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November 19, 2013

Sent VIA OVERNIGHT DELIVERY

"DRC-2013-003539"

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

Re: Transmittal of 3rd Quarter 2013 Routine Chloroform Monitoring Report
UDEQ Docket No. UGW-20-01 White Mesa Uranium Mill

Dear Mr. Lundberg:

Enclosed are two copies of the White Mesa Uranium Mill Chloroform Monitoring Report for the 3rd Quarter of 2013 as required by the Notice of Violation and Groundwater Corrective Action Order, UDEQ Docket No. UGW-20-01 as well as two CDs each containing a word searchable electronic copy of the report.

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

Yours very truly,

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

CC: David C. Frydenlund
Harold R. Roberts
David E. Turk
Dan Hillsten
Jo Ann Tischler
Central Files

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White Mesa Uranium Mill

Chloroform Monitoring Report

State of Utah
Notice of Violation and Groundwater Corrective Action Order UDEQ
Docket No. UGW-20-01

3rd Quarter
(July through September)
2013

Prepared by:

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

November 19, 2013

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1.0 INTRODUCTION

The presence of chloroform was initially identified in groundwater at the White Mesa Mill (the "Mill") as a result of split sampling performed in May 1999. The discovery resulted in the issuance of State of Utah Notice of Violation ("NOV") and Groundwater Corrective Action Order ("CAO") State of Utah Department of Environmental Quality ("UDEQ") Docket No. UGW-20-01, which required that Energy Fuels Resources (USA) Inc. ("EFRI") submit a Contamination Investigation Plan and Report pursuant to the provisions of UAC R317-6-6.15(D).

The frequency of chloroform sampling, which was initially performed on a monthly basis, was modified on November 8, 2003. Since that time all chloroform contaminant investigation wells have been sampled on a quarterly basis.

This is the Quarterly Chloroform Monitoring Report for the third quarter of 2013 as required under the NOV and CAO. This Report also includes the Operations Report for the Long Term Pump Test at MW-4, TW4-19, MW-26, TW4-20, and TW4-4 for the quarter.

2.0 CHLOROFORM MONITORING

2.1 Samples and Measurements Taken During the Quarter

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

2.1.1 TW4-32, TW4-33, and TW4-34

Installation of four new perched groundwater monitoring wells, TW4-28, TW4-29, TW4-30, and TW4-31 was completed on March 6, 2013 as required by the February 14, 2013 DRC Confirmatory Action Letter. TW4-28, TW4-29, TW4-30, and TW4-31 were installed to provide additional information regarding the nitrate concentrations in TW4-12 and TW4-27 which have exceeded the State of Utah groundwater quality standard of 10 mg/L. Pursuant to the agreements made with UDEQ, as documented in correspondence from UDEQ dated February 14, 2013, TW4-28, TW4-29, TW4-30, and TW4-31 were installed, developed, hydraulically tested, and sampled by the end of the second quarter 2013. TW4-28, TW4-29, TW4-30, and TW4-31 were also sampled during the regularly scheduled third quarter sampling event and the data are included in this report.

The second quarter 2013 data for TW4-28, TW4-29, TW4-30, and TW4-31 indicate that nitrate results in TW4-29, TW4-30, and TW4-31 were all below the State of Utah groundwater quality standard of 10 mg/L. However, TW4-29 had a chloroform result of 242 ug/L. A repeat sampling of TW4-29 for confirmation produced a result of 262 ug/L, indicating that the chloroform contamination does not appear to be bounded in the vicinity of TW4-29. The repeat sampling data were included in the second quarter 2013 report. The nitrate result in TW4-28 of

14.9 mg/L was above the nitrate standard of 10 mg/L, indicating that nitrate contamination is not bounded downgradient (southeast) of TW4-28. Based on the second quarter 2013 results for TW4-28, TW4-29, TW4-30, and TW4-31, and as discussed with UDEQ via telephone on July 25, 2013 and approved by UDEQ via letter dated August 2, 2013, EFRI added one additional monitoring well in the vicinity of TW4-28 and two additional monitoring wells in the vicinity of TW4-29. Installation of three new perched groundwater monitoring wells, TW4-32, TW4-33, and TW4-34 was completed the week of September 9, 2013 as discussed with UDEQ via telephone on July 25, 2013 and approved by UDEQ via letter dated August 2, 2013.

The DRC letter of February 14, 2013 required that a separate Contamination Investigation Report ("CIR") be prepared and submitted within 60 days of receipt of the analytical data for TW4-28, TW4-29, TW4-30, and TW4-31. Based on the second quarter 2013 data, as agreed to by UDEQ in the July 25, 2013 telephone call, it was considered premature to prepare a CIR based on the second quarter 2013 information only. As discussed, EFRI will collect hydraulic and contaminant concentration data from TW4-32, TW4-33, and TW4-34 in order to understand the dynamics of the chloroform contamination in the vicinity of TW4-29 and the nitrate contamination in the vicinity of TW4-28. Pursuant to the August 2, 2013 DRC letter, EFRI will sample the three new wells in the fourth quarter of 2013 and prepare a CIR within 60 days of receipt of the analytical data for the fourth quarter 2013.

2.1.2 Chloroform Monitoring

Quarterly sampling for chloroform monitoring parameters is currently required in the following wells:

TW4-1	TW4-10	TW4-21	TW4-28
TW4-2	TW4-11	TW4-22	TW4-29
TW4-3	TW4-12	TW4-23	TW4-30
TW4-4	TW4-13	TW4-24	TW4-31
TW4-5	TW4-14	TW4-25	TW4-32*
TW4-6	TW4-16	MW-4	TW4-33*
TW4-7	TW4-18	MW-26 (formerly TW4-15)	TW4-34*
TW4-8	TW4-19	MW-32 (formerly TW4-17)	
TW4-9	TW4-20	TW4-26	
		TW4-27	

* Commencing in the fourth quarter 2013.

Table 1 provides an overview of all wells sampled during the quarter, along with the date samples were collected from each well, and the date(s) which analytical data were received from the contract laboratory. Table 1 also identifies equipment rinsate samples collected, as well as sample numbers associated with the deionized field blank ("DIFB") and any required duplicates.

As indicated in Table 1, chloroform monitoring was performed in all of the required chloroform monitoring wells.

2.1.3 Parameters Analyzed

Wells sampled during this reporting period were analyzed for the following constituents:

- Chloroform
- Chloromethane
- Carbon tetrachloride
- Methylene chloride
- Chloride
- Nitrate plus Nitrite as Nitrogen

Use of analytical methods is consistent with the requirements of the Chloroform Investigation Monitoring Quality Assurance Program (the "Chloroform QAP") attached as Appendix A to the White Mesa Uranium Mill Groundwater Monitoring QAP Revision 7.2, dated June 6, 2012.

2.1.4 Groundwater Head Monitoring

Depth to groundwater was measured in the following wells and/or piezometers, pursuant to Part I.E.3 of the Groundwater Discharge Permit (the "GWDP"):

- The quarterly groundwater compliance monitoring wells
- 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
- MW-20 and MW-22
- Nitrate monitoring wells
- The DR piezometers which were installed during the Southwest Hydrologic 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.

Weekly and monthly depth to groundwater measurements were taken in the chloroform pumping wells MW-4, MW-26, TW4-19, TW4-20, and TW4-4, and the nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-2. In addition, monthly water level measurements were taken in non-pumping wells MW-27, MW-30, MW-31, TW4-21, TWN-1, TWN-3, TWN-4, TWN-7, and TWN-18 as required by the Nitrate Corrective Action Plan ("CAP"), dated May 7, 2012.

2.2 Sampling Methodology and Equipment and Decontamination Procedures

EFRI completed, and transmitted to UDEQ on May 25, 2006, a revised QAP for sampling under the Mill's Groundwater Discharge Permit ("GWDP"). While the water sampling conducted for chloroform investigation purposes has conformed to the general principles set out in the QAP, some of the requirements in the QAP were not fully implemented prior to UDEQ's approval, for reasons set out in correspondence to UDEQ dated December 8, 2006. Subsequent to the delivery of the December 8, 2006 letter, EFRI discussed the issues brought forward in the letter with UDEQ and has received correspondence from UDEQ about those issues. In response to UDEQ's

letter and subsequent discussions with UDEQ, EFRI has incorporated changes in chloroform Quality Assurance ("QA") procedures in the form of the Chloroform QAP. The Chloroform QAP describes the requirements of the chloroform investigation program and identifies where they differ from the Groundwater QAP. On June 20, 2009 the Chloroform QAP was modified to require that the quarterly chloroform reports include additional items specific to EFRI's ongoing pump testing and chloroform capture efforts. The Groundwater QAP as well as the Chloroform QAP were revised again on June 6, 2012. The revised Groundwater QAP and Chloroform QAP, Revision 7.2 were approved by DRC on June 7, 2012.

The sampling methodology, equipment and decontamination procedures that were used for the chloroform contaminant investigation, as summarized below, are consistent with the approved QAP Revision 7.2 and the Chloroform QAP.

2.2.1 Well Purging and Depth to Groundwater

The wells are purged prior to sampling by means of a portable pump. A list of the wells in order of increasing chloroform concentration is generated quarterly. The order for purging is thus established. The list is included with the Field Data Worksheets under Tab B. Mill personnel start purging with all of the non-detect wells and then move to the wells with detectable chloroform concentrations staring with the lowest concentration and proceeding to the wells with highest concentration.

Samples are collected by means of disposable bailer(s) the day following the purging. The disposable bailer is used only for the collection of a sample from an individual well and disposed subsequent to the sampling. As noted in the approved QAP, Revision 7.2, sampling will generally follow the same order as purging; however; the sampling order may deviate slightly from the generated list. This practice does not affect the samples for these reasons: any wells sampled in slightly different order either have dedicated pumps or are sampled via a disposable bailer. This practice does not affect the quality or usability of the data as there will be no cross-contamination resulting from sampling order.

Before leaving the Mill office, the portable pump and hose are rinsed with deionized ("DI") water. Where portable (non-dedicated) sampling equipment is used, a rinsate sample will be collected at a frequency of one rinsate sample per 20 field samples. Well depth measurements are taken and the one casing volume is calculated for those wells which do not have a dedicated pump as described in Attachment 2-3 of the QAP. Purging is completed to remove stagnant water from the casing and to assure that representative samples of formation water are collected for analysis. There are three purging strategies that will be 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 specific conductivity, turbidity, pH, redox potential, and water temperature
2. Purging two casing volumes with stable field parameters for specific conductivity, turbidity, pH, redox potential, and water temperature (within 10% Relative Percent Difference ["RPD"])
3. Purging a well to dryness and stability (within 10% RPD) of field parameters for pH, specific conductivity, and water temperature only after recovery

If the well has a dedicated pump, it is pumped on a set schedule per the remediation plan and is considered sufficiently evacuated to immediately collect a sample; however, if a pumping well has been out of service for 48 hours or more, EFRI will follow the purging requirements outlined in Attachment 2-3 of the QAP. The dedicated pump is used to collect parameters and to collect the samples as described below. If the well does not have a dedicated pump, a Grundfos pump (9 - 10 gpm pump) is then lowered to the screened interval in the well and purging is started. The purge rate is measured for the well by using a calibrated 5 gallon bucket. This purging process is repeated at each well location moving from least contaminated to the most contaminated well. All wells are capped and secured prior to leaving the sampling location.

Wells with dedicated pumps are sampled when the pump is in the pumping mode. If the pump is not pumping at the time of sampling, it is manually switched on by the Mill Personnel. The well is pumped for approximately 5 to 10 minutes prior to the collection of the field parameters. Per the approved QAP, one set of parameters is collected. Samples are collected following the measurement of one set of field parameters. The pump is turned off and allowed to resume its timed schedule.

2.2.2 Sample Collection

Prior to sampling, a cooler with ice is prepared. The trip blank is also gathered at that time (the trip blank for these events is provided by the Analytical Laboratory). Once Mill Personnel arrive at the well sites, labels are filled out for the various samples to be collected. All personnel involved with the collection of water and samples are then outfitted with disposable gloves. Chloroform investigation samples are collected by means of disposable bailers.

Mill personnel use a disposable bailer to sample each well that does not have a dedicated pump. The bailer is attached to a reel of approximately 150 feet of nylon rope and then lowered into the well. After coming into contact with the water, the bailer is allowed to sink into the water in order to fill. Once full, the bailer is reeled up out of the well and the sample bottles are filled as follows:

- Volatile Organic Compound ("VOC") samples are collected first. This sample consists of three 40 ml vials provided by the Analytical Laboratory. The VOC sample is not filtered and is preserved with HCl;

- A sample for nitrate/nitrite is then collected. This sample consists of one 250 ml. bottle which is provided by the Analytical Laboratory. The nitrate/nitrite sample is not filtered and is preserved with H_2SO_4;

- A sample for chloride is then collected. This sample consists of one 500 ml. bottle which is provided by the Analytical Laboratory. The chloride sample is not filtered and is not chemically preserved.

After the samples have been collected for a particular well, the bailer is disposed of and the samples are placed into the cooler that contains ice. The well is then recapped and Mill personnel proceed to the next well.

2.3 Field Data

Attached under Tab B are copies of all Field Data Worksheets that were completed during the quarter for the chloroform contaminant investigation monitoring wells identified in paragraph 2.1.1 above, and Table 1.

2.4 Depth to Groundwater Data and Water Table Contour Map

Attached under Tab C are copies of the Depth to Water Sheets for the weekly monitoring of MW-4, MW-26, TW4-19, TW4-20, TW4-4, TW4-22, TW4-24, TW4-25, and TWN-2 as well as the monthly depth to groundwater data for chloroform contaminant investigation wells and the non-pumped wells measured during the quarter. Depth to groundwater measurements which were utilized for groundwater contours are included on the Quarterly Depth to Water Worksheet at Tab D of this report, along with the kriged groundwater contour map for the current quarter generated from this data. A copy of the kriged groundwater contour map generated from the previous quarter's data is provided under Tab E.

2.5 Laboratory Results

2.5.1 Copy of Laboratory Results

All analytical results were provided by American West Analytical Laboratories ("AWAL"). Table 1 lists the dates when analytical results were reported to the QA Manager for each sample.

Results from analysis of samples collected for this quarter's chloroform contaminant investigation are provided under Tab H of this Report. Also included under Tab H are the results of analyses for duplicate samples, the DIFB, and rinsate samples for this sampling effort, as identified in Table 1, as well as results for trip blank analyses required by the Chloroform QAP.

2.5.2 Regulatory Framework

As discussed in Section 1.0, above, the NOV and requirements of the CAO triggered a series of actions on EFRI's part. In addition to the monitoring program, EFRI has equipped nine wells with pumps to recover impacted groundwater, and has initiated recovery of chloroform from the perched zone.

Sections 4 and 5, below, interpret the groundwater level and flow information, contaminant analytical results, and pump test data to assess effectiveness of EFRI's chloroform capture program.

3.0 QUALITY ASSURANCE AND DATA VALIDATION

The QA Manager performed a QA/Quality Control ("QC") review to confirm compliance of the monitoring program with requirements of the QAP. As required in the QAP, data QA includes preparation and analysis of QC samples in the field, review of field procedures, an analyte completeness review, and QC review of laboratory methods and data. Identification of field QC

samples collected and analyzed is provided in Section 3.1. Discussion of adherence to Mill sampling Standard Operating Procedures ("SOPs") is provided in Section 3.2. Analytical completeness review results are provided in Section 3.3. The steps and tests applied to check laboratory data QA/QC are discussed in Sections 3.4.4 through 3.4.9 below.

The analytical laboratory has 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 Tab H. Results of review of the laboratory QA/QC information are provided under Tab I and are discussed in Section 3.4, below.

3.1 Field QC Samples

The following 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.

Field QC samples for the chloroform investigation program consist of one field duplicate sample for each 20 samples, a trip blank for each shipped cooler which contains VOCs, one DIFB and rinsate samples.

During this quarter, two duplicate samples were collected as indicated in Table 1. The duplicates were sent blind to the analytical laboratory and analyzed for the same parameters as the chloroform wells.

Four trip blanks were provided by American West Analytical Laboratories ("AWAL") and returned with the quarterly chloroform monitoring samples.

Two rinsate blank samples were collected at a frequency of one rinsate per twenty samples per QAP Section 4.3.2 and as indicated on Table 1. Rinsate samples were labeled with the name of the subsequently purged well with a terminal letter "R" added (e.g. TW4-7R). The results of these analyses are included with the routine analyses under Tab H.

In addition, one DIFB, while not required by the Chloroform QAP, was collected and analyzed for the same constituents as the well samples and rinsate blank samples.

3.2 Adherence to Mill Sampling SOPs

The QA Manager review of Mill Personnel's adherence to the existing SOPs, confirmed that the QA/QC requirements established in the QAP and Chloroform QAP were met.

3.3 Analyte Completeness Review

All analyses required by the CAO for chloroform monitoring for the period were performed.

3.4 Data Validation

The QAP and GWDP identify the data validation steps and data QC checks required for the chloroform monitoring program. Consistent with these requirements, the QA Manager performed the following evaluations: a field data QA/QC evaluation, a holding time check, a receipt temperature check, an analytical method check, a reporting limit evaluation, a trip blank check, a QA/QC evaluation of sample duplicates, a QC Control Limit check for analyses and blanks including the DIFB and a rinsate sample check. Each evaluation is discussed in the following sections. Data check tables indicating the results of each test are provided under Tab I.

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 measurement of field parameters based on the requirements discussed in section 2.2.1 above. The purging technique employed determines the requirements for field parameter measurement and whether stability criteria are applied. Review of the Depth to Water data confirms that all depth measurements used for development of groundwater contour maps were conducted within a five-day period as indicated by the measurement dates in the summary sheet under Tab D. The results of this quarter's review of field data are provided under Tab I.

Based upon the review of the field data sheets, all wells conformed to the QAP purging and field measurement requirements. A summary of the purging techniques employed and field measurements taken is described below:

Purging Two Casing Volumes with Stable Field Parameters (within 10% RPD)
Wells TW4-01, TW4-05, TW4-08, TW4-09, TW4-11, TW4-12, TW4-16, MW-32, TW4-18, TW4-21, TW4-23, and TW4-28 were sampled after two casing volumes were removed. Field parameters pH, specific conductivity, turbidity, water temperature, and redox potential were measured during purging. All field parameters for this requirement were stable within 10% RPD.

Purging a Well to Dryness and Stability of a Limited List of Field Parameters
Wells TW4-2, TW4-3, TW4-6, TW4-07, TW4-10, TW4-13, TW4-14, TW4-26, TW4-27, TW4-29, TW4-29 resample, TW4-30, and TW4-31 were pumped to dryness before two casing volumes were evacuated. After well recovery, one set of measurements were taken, the samples were collected, and another set of measurements were taken. Stabilization of pH, conductivity and temperature are required within 10% RPD under the QAP, Revision 7.2. The QAP requirements for stabilization were met.

Continuously Pumped Wells
Wells MW-04, TW4-04, MW-26, TW4-19, TW4-20, TW4-22, TW4-24, and TW4-25 are continuously pumped wells. These wells are pumped on a set schedule per the remediation plan and are considered sufficiently evacuated to immediately collect a sample.

During review of the field data sheets, the QA Manager confirmed that sampling personnel consistently recorded depth to water to the nearest 0.01 foot.

The review of the field sheets for compliance with QAP, Revision 7.2 requirements resulted in the observations noted below. The QAP requirements in Attachment 2-3 specifically state that field parameters must be stabilized to within 10% over at least 2 consecutive measurements for wells purged to 2 casing volumes or purged to dryness. 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 below regarding turbidity measurements greater than 5 NTU are included for information purposes only.

Wells TW4-01, TW4-05, TW4-08, TW4-09, TW4-11, TW4-16, MW-32, TW4-18, TW4-21, TW4-23 and TW4-28 exceeded the QAP's 5 NTU goal. EFRI's letter to DRC of March 26, 2010 discusses further why turbidity does not appear to be an appropriate parameter for assessing well stabilization. In response to DRC's subsequent correspondence dated June 1, 2010 and June 24, 2010, EFRI has completed a monitoring well redevelopment program. The redevelopment report was submitted to DRC on September 30, 2011. DRC responded to the redevelopment report via letter on November 15, 2012. Per the DRC letter dated November 15, 2012, the field data generated this quarter are compliant with the turbidity requirements of the approved QAP.

3.4.2 Holding Time Evaluation

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

3.4.3 Receipt Temperature Evaluation

Chain of Custody sheets were reviewed to confirm compliance with the QAP requirement which specifies that samples be received at 6°C or lower. Sample temperatures checks are provided in Tab I. All samples were received within the required temperature limit.

3.4.4 Analytical Method Checklist

All analytical methods reported by the laboratory were checked against the required methods enumerated in the Chloroform QAP. Analytical method checks are provided in Tab I. All methods were consistent with the requirements of the Chloroform QAP.

3.4.5 Reporting Limit Evaluation

All analytical method reporting limits reported by the laboratory were checked against the reporting limits enumerated in the Chloroform QAP. Reporting Limit Checks are provided under Tab I. All analytes were measured and reported to the required reporting limits; several sets of 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.

3.4.6 Receipt pH Evaluation

Appendix A of the QAP states that all volatile samples are required to be preserved and arrive at the laboratory with a pH less than 2. A review of the laboratory data revealed that all volatile samples were received at the laboratory with a pH less than 2.

3.4.7 Trip Blank Evaluation

Trip blank results were reviewed to identify any VOC contamination resulting from transport of the samples. Trip blank checks are provided in Tab I. All trip blank results were less than the reporting limit for all VOCs.

3.4.8 QA/QC Evaluation for Sample Duplicates

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

All analytical results for the sample/duplicate pairs were within the 20% acceptance limits. The results of the RPD test are provided in Tab I.

3.4.9 Rinsate Sample Check

Rinsate blank sample checks are provided in Tab I. The rinsate blank sample concentration levels were compared to the QAP requirements i.e., that rinsate sample concentrations be one order of magnitude lower than that of the actual well. All of the rinsate blank sample results were nondetect for this quarter.

While not required by the Chloroform QAP, DIFB samples are collected to analyze the quality of the DI water system at the Mill, which is also used to collect rinsate samples. A review of the analytical results reported for the DIFB sample indicated the sample results were nondetect.

3.4.10 Other Laboratory QA/QC

Section 9.2 of the QAP requires that the laboratory's QA/QC Manager check the following items in developing data reports: (1) sample preparation information is correct and complete, (2) analysis information is correct and complete, (3) appropriate analytical laboratory procedures are followed, (4) analytical results are correct and complete, (5) QC samples are within established control limits, (6) blanks are within QC limits, (7) special sample preparation and analytical requirements have been met, and (8) documentation is complete. In addition to other laboratory checks described above, EFRI's QA Manager rechecks QC samples and blanks (items (5) and

(6)) to confirm that the percent recovery for spikes and the relative percent difference for spike duplicates are within the method-specified acceptance limits, or that the case narrative sufficiently explains any deviation from these limits. Results of this quantitative check are provided in Tab I.

All lab QA/QC results met these specified acceptance limits except as noted below.

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

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

The QAP specifies that surrogate compounds shall be employed for all organic analyses, but the QAP does not specify acceptance limits for surrogate recoveries. The analytical data associated with the routine quarterly sampling met the requirement specified in the QAP. The information from the Laboratory QA/QC Summary Reports indicates that the surrogate recoveries for all quarterly chloroform samples were within acceptable laboratory limits for all surrogate compounds. The requirement in the QAP to analyze a surrogate compounds was met and the data are compliant with the QAP. Furthermore, there are no QAP requirements for surrogate recoveries.

The information from the Laboratory QA/QC Summary Reports indicates that all LCS recoveries were within acceptable laboratory limits for all LCS compounds.

3.4.11 Rejected Data

The QA Manager performs a reasonableness check of analytical data upon receipt. This review compares current analytical results against historic results. During this review the QA Manager noted that the results from newly installed TW4-29 did not agree with the previous two sample results. The chloroform results for the June and July 2013 samples from TW4-29 were 242 ug/L to 262 ug/L respectively. The chloroform result from the September 12, 2013 sample was reported as non-detect. Additionally, the chloride and nitrate data were not in agreement and were, in fact, orders of magnitude different from the previous results. TW4-29 was resampled on

September 26, 2013, within the quarter, and expedited turnaround of analyses completed by the laboratory so that results would be available in time for this report. The resample data are in agreement with the June and July 2013 results. As a result, the QA Manager has rejected from use the data resulting from the September 12, 2013 sampling event. The data are included for information purposes but have been removed from any future use or data management activities. The QA Manager determined that a sample switch in the analytical laboratory is the cause of the anomalous results. The anomalous data are not the result of a field sample switch because there are no other data from the September 12, 2013 sampling event that are anomalous when compared to historic concentrations, hence the switch must have occurred in the laboratory. The laboratory has been alerted and has started an internal QA investigation into their sample custody processes.

4.0 INTERPRETATION OF DATA

4.1 Interpretation of Groundwater Levels, Gradients and Flow Directions.

4.1.1 Current Site Groundwater Contour Map

The water level contour maps (See Tab D) indicate that perched water flow ranges from generally southwesterly beneath the Mill site and tailings cells to generally southerly along the eastern and western margins of White Mesa. Water level patterns northeast of the Mill site appear slightly different this quarter compared to last quarter due to the reduced number of water level measurements resulting from abandonment of several of the TWN-series wells.

Perched water mounding associated with the wildlife ponds locally changes the generally southerly perched water flow patterns. For example, northeast of the Mill site, mounding associated with wildlife ponds results in locally northerly flow near PIEZ-1. The impact of the mounding associated with the northern ponds, to which water has not been delivered since March 2012, is diminishing and is expected to continue to diminish as the mound decays due to reduced recharge.

Not only has recharge from the wildlife ponds impacted perched water elevations and flow directions at the site, but the cessation of water delivery to the northern ponds, which are generally upgradient of the nitrate and chloroform plumes at the site, has resulted in changing conditions that are expected to impact constituent concentrations and migration rates within the plumes. Specifically, past recharge from the ponds has helped limit many constituent concentrations within the plumes by dilution while the associated groundwater mounding has increased hydraulic gradients and contributed to plume migration. Since use of the northern wildlife ponds ceased in March 2012, the reduction in recharge and decay of the associated groundwater mound are expected to increase many constituent concentrations within the plumes while reducing hydraulic gradients and acting to reduce rates of plume migration. EFRI and its consultants have raised the issues and potential effects associated with cessation of water delivery to the northern wildlife ponds during discussions with DRC in March 2012 and May 2013.

The impacts associated with cessation of water delivery to the northern ponds are expected to propagate downgradient (south and southwest) over time. Wells close to the ponds are generally

expected to be impacted sooner than wells farther downgradient of the ponds. Therefore, constituent concentrations are generally expected to increase in downgradient wells close to the ponds before increases are detected in wells farther downgradient of the ponds. Although such increases are anticipated to result from reduced dilution, the magnitude and timing of the increases are difficult to predict due to the complex permeability distribution at the site and factors such as pumping and the rate of decay of the groundwater mound. The potential exists for some wells completed in higher permeability materials to be impacted sooner than some wells completed in lower permeability materials even though the wells completed in lower permeability materials may be closer to the ponds.

Localized increases in concentrations of constituents such as nitrate and chloride within and near the nitrate plume may occur even when the nitrate plume is under control based on the Nitrate CAP requirements. Ongoing mechanisms that can be expected to increase the concentrations of nitrate and chloride locally as a result of reduced wildlife pond recharge include but are not limited to:

1) Reduced dilution - the mixing of low constituent concentration pond recharge into existing perched groundwater will be reduced over time.
2) Reduced saturated thicknesses – dewatering of higher permeability layers receiving primarily low constituent concentration pond water will result in wells intercepting these layers receiving a smaller proportion of the low constituent concentration water.

The combined impact of the above two mechanisms may be especially evident at chloroform pumping wells MW-4, MW-26, TW4-4, TW4-19, and TW4-20; nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-2; and non-pumped wells adjacent to the pumped wells. The overall impact is expected to be generally higher constituent concentrations in these wells over time until mass reduction resulting from pumping and natural attenuation eventually reduce concentrations. Short-term changes in concentrations at pumping wells and wells adjacent to pumping wells are also expected to result from changes in pumping conditions.

In addition to changes in the flow regime caused by wildlife pond recharge, perched flow directions are also locally influenced by operation of the chloroform and nitrate pumping wells. Well defined cones of depression are evident in the vicinity of all chloroform pumping wells except TW4-4, which began pumping in the first quarter of 2010. Although operation of chloroform pumping well TW4-4 has depressed the water table in the vicinity of TW4-4, a well-defined cone of depression is not clearly evident. The lack of a well-defined cone of depression near TW4-4 likely results from 1) variable permeability conditions in the vicinity of TW4-4, and 2) persistent relatively low water levels at adjacent well TW4-14. Well-defined cones of depression are also not clearly evident near nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-2, which started pumping during the first quarter of 2013, most likely because they have not had sufficient time to develop. Water level patterns near these wells are expected to be influenced by the presence of, and the decay of, the groundwater mound associated with the northern wildlife ponds, and by the persistently low water level elevation at TWN-7. Although operation of the nitrate pumping system has not yet produced a well-defined impact on water levels, continued operation of the system is expected to produce a well-defined capture zone that will merge with and enhance the capture associated with the chloroform pumping system. The

actual impact of nitrate pumping on the chloroform pumping system cannot be evaluated until more data are collected as part of routine monitoring.

As discussed above, variable permeability conditions is one likely reason for the lack of a well-defined cone of depression near chloroform pumping well TW4-4. Changes in water levels at wells immediately south of TW4-4 resulting from TW4-4 pumping are expected to be muted because TW4-4 is located at a transition from relatively high to relatively low permeability conditions south (downgradient) of TW4-4. The permeability of the perched zone at TW4-6 and TW4-26 (and recently installed well TW4-29) is approximately two orders of magnitude lower than at TW4-4. Any drawdown of water levels at wells immediately south of TW4-4 resulting from TW4-4 pumping is also difficult to determine because of the general, long-term increase in water levels in this area due to recharge from the wildlife ponds.

Water levels at TW4-4 and TW4-6 increased by nearly 2.7 and 2.9 feet, respectively, between the fourth quarter of 2007 and the fourth quarter of 2009 (just prior to TW4-4 pumping) at rates of approximately 1.2 feet/year and 1.3 feet/year, respectively. However, the increase in water level at TW4-6 has been reduced since the start of pumping at TW4-4 (first quarter of 2010) to approximately 0.5 feet/year suggesting that TW4-6 is within the hydraulic influence of TW4-4. Water level elevations at these wells are eventually expected to be influenced by cessation of water delivery to the northern wildlife ponds as discussed above. Recharge from the southern wildlife pond is expected to continue to have an effect on water levels near TW4-4, but the effects related to recharge from the northern ponds is expected to diminish over time as water is no longer delivered to the northern ponds.

The lack of a well-defined cone of depression at TW4-4 is also influenced by the persistent, relatively low water level at non-pumping well TW4-14, located east of TW4-4 and TW4-6. For the current quarter, the water level at TW4-14 (approximately 5527.7 feet above mean sea level [ft amsl]) is approximately 12 feet lower than the water level at TW4-6 (approximately 5539.6 ft amsl) and 17 feet lower than at TW4-4 (approximately 5544.6 ft amsl) even though TW4-4 is pumping.

Well TW4-27 (installed south of TW4-14 in the fourth quarter of 2011) has a static water level of approximately 5527.0 ft amsl, similar to TW4-14 (approximately 5527.7 ft amsl). TW4-27 was positioned at a location considered likely to detect any chloroform present and/or to bound the chloroform plume to the southeast and east (respectively) of TW4-4 and TW4-6. As will be discussed below, groundwater data collected since installation indicates that TW4-27 does indeed bound the chloroform plume to the southeast and east of TW4-4 and TW4-6 (respectively), however chloroform exceeding 70 µg/L was detected at recently installed temporary perched well TW4-29, located south of TW4-27, during the previous and current quarters.

Prior to the installation of TW4-27, the persistently low water level at TW4-14 was considered anomalous because it appeared to be downgradient of all three wells TW4-4, TW4-6, and TW4-26, yet chloroform was not detected at TW4-14. Chloroform had apparently migrated from TW4-4 to TW4-6 and from TW4-6 to TW4-26 which suggested that TW4-26 was actually downgradient of TW4-6, and TW4-6 was actually downgradient of TW4-4, regardless of the

flow direction implied by the low water level at TW4-14. The water level at TW4-26 (5538.9 feet amsl) is, however, lower than water levels at adjacent wells TW4-6 (5539.6 feet amsl), and TW4-23 (5543.1 feet amsl)

Hydraulic tests conducted in November, 2011 indicate that the permeability at TW4-27 is an order of magnitude lower than at TW4-6 and three orders of magnitude lower than at TW4-4. The similar water levels at TW4-14 and TW4-27, and the low permeability estimate at TW4-27 suggest that both wells are completed in materials having lower permeability than nearby wells. The low permeability condition likely reduces the rate of long-term water level increase at TW4-14 and TW4-27 compared to nearby wells, yielding water levels that appear anomalously low. This behavior is consistent with hydraulic test data collected from recently installed wells TW4-29, TW4-30, and TW4-31 last quarter which indicate that the permeability of these wells is similar to that of TW4-6 and TW4-26, but an order of magnitude higher than that of TW4-27. The low permeability at TW4-14 and TW4-27 is expected to retard the transport of chloroform to these wells (compared to nearby wells). As will be discussed in Section 4.2.3, third quarter, 2013 chloroform concentrations at TW4-26 and TW4-27 are 2.8 ug/L and non-detect, respectively and both wells are outside the chloroform plume.

Although chloroform exceeding 70 µg/L was detected at recently installed well TW4-29 (located south of TW4-27), chloroform was not detected at recently installed well TW4-30, located east of TW4-29, nor at recently installed well TW4-31, located east of TW4-27. The detection at TW4-29 suggests the possibility that chloroform migrated southeast from the vicinity of TW4-4 to TW4-29 in a direction nearly cross-gradient with respect to the direction of groundwater flow implied by the groundwater elevations. Such migration is possible because the water level at TW4-29 is lower than the water level at TW4-4 (and TW4-6). The hydraulic conductivities of TW4-29, TW4-30, and TW4-31, based on hydraulic tests during the previous quarter, are similar to those of TW4-6 and TW4-26, but two orders of magnitude lower than the conductivity of TW4-4, and an order of magnitude higher than the conductivity of TW4-27. The permeability and water level distributions are generally consistent with the apparent nearly cross-gradient migration of chloroform around the low permeability zone defined by TW4-14 and TW4-27, although the two order of magnitude decrease in permeability from TW4-4 to TW4-29 does not support a high permeability connection between TW4-4 and TW4-29. If, however, the chloroform at TW4-29 migrated from the vicinity of TW4-4, then pumping at TW4-4 is expected to influence, and eventually reduce, concentrations at TW4-29 by analogy with the water level and concentration behavior of nearby wells TW4-6 and TW4-26.

4.1.2 Comparison of Current Groundwater Contour Maps to Groundwater Contour Maps for Previous Quarter

The groundwater contour map for the Mill site for the second quarter of 2013, as submitted with the Chloroform Monitoring Report for the second quarter of 2013, is attached under Tab E.

A comparison of the water table contour maps for the current (third) quarter of 2013 to the water table contour maps for the previous quarter (second quarter of 2013) indicates similar patterns of drawdown related to operation of chloroform pumping wells MW-4, MW-26, TW4-4, TW4-19 and TW4-20. Although nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-2 (brought

into operation during the first quarter of 2013) are acting to change water level distributions, water levels and water level contours for the site have not changed significantly since the last quarter, except for a few locations. As discussed in Section 4.1.1, pumping at TW4-4, which began in the first quarter of 2010, has depressed the water table near TW4-4, but a well-defined cone of depression is not clearly evident, likely due to variable permeability conditions near TW4-4 and the persistently low water level at adjacent well TW4-14.

Reported decreases in water levels (increases in drawdown) of approximately 3 feet and nearly 2 feet occurred in chloroform pumping well MW-26 and nitrate pumping well TW4-25, respectively, and increases in water levels (decreases in drawdown) of approximately 2 feet occurred in chloroform pumping wells MW-4 and TW4-19, and of approximately 5 feet occurred in nitrate pumping well TW4-24. Changes in water levels at other pumping wells (chloroform pumping wells TW4-4 and TW4-20 and nitrate pumping wells TW4-22 and TWN-2) were less than 2 feet. Water level fluctuations at pumping wells typically occur in part because of fluctuations in pumping conditions just prior to and at the time the measurements are taken.

The decrease in water level (increase in drawdown) at chloroform pumping well MW-26 has slightly increased the apparent capture of this well relative to other pumping wells. Overall, the combined capture of chloroform pumping wells MW-4, MW-26, TW4-4, TW4-19, and TW4-20 is nearly the same as last quarter.

Water level decreases ranging from approximately 0.8 to 2.6 feet at Piezometers 2 and 3, and TWN-4, likely result from cessation of water delivery to the northern wildlife ponds as discussed in Section 4.1.1 and the consequent continuing decay of the associated perched water mound. The water level decrease of approximately 0.7 feet reported for TWN-1 is likely related to both decay of the perched water mound and operation of nitrate pumping well TW4-25.

At the southwest corner of the site, water level increases of nearly 4 feet occurred at MW-20 and approximately 6 feet at piezometer DR-21. Water was also reported to be present at the bottom of formerly dry piezometer DR-22.

4.1.3 Hydrographs

Attached under Tab F are hydrographs showing groundwater elevation in each chloroform contaminant investigation monitor well over time.

4.1.4 Depth to Groundwater Measured and Groundwater Elevation

Attached under Tab G are tables showing depth to groundwater measured and groundwater elevation over time for each of the wells listed in Section 2.1.1 above.

4.1.5 Evaluation of the Effectiveness of Hydraulic Capture

Perched water containing chloroform has been removed from the subsurface by operating chloroform pumping wells MW-4, MW-26, TW4-4, TW4-19, and TW4-20. The primary purpose of the pumping is to reduce total chloroform mass in the perched zone as rapidly as is practical. Pumping wells upgradient of TW4-4 were chosen because 1) they are located in areas

of the perched zone having relatively high permeability and saturated thickness, and 2) high concentrations of chloroform were detected at these locations. The relatively high transmissivity of the perched zone in the vicinity of these pumping wells results in the wells having a relatively high productivity. The combination of relatively high productivity and high chloroform concentrations allows a high rate of chloroform mass removal. TW4-4 is located in a downgradient area having relatively high chloroform concentrations but relatively small saturated thickness, and at a transition from relatively high to relatively low permeability conditions downgradient of TW4-4. As with the other chloroform pumping wells, pumping TW4-4 helps to reduce the rate of chloroform migration in downgradient portions of the plume.

The impact of chloroform pumping is indicated by the water level contour maps attached under Tabs D and E. Cones of depression are evident in the vicinity of MW-4, MW-26, TW4-19, and TW4-20 which continue to remove significant quantities of chloroform from the perched zone. The water level contour maps indicate effective capture of water containing high chloroform concentrations in the vicinities of these pumping wells. Overall, the combined capture of MW-4, MW-26, TW4-19, and TW4-20 remains about the same as last quarter, and the impact of nitrate pumping on the capture associated with chloroform pumping is not clearly evident. However, continued operation of the nitrate pumping system is expected to produce a capture zone that will merge with and enhance the capture zone associated with the chloroform pumping system. As discussed in Section 4.1.1, the drawdown associated with chloroform pumping well TW4-4 is likely less apparent due to variable permeability conditions near TW4-4 and the persistently low water level at adjacent well TW4-14.

Chloroform concentrations exceeding 70 µg/L have occurred in the past at some locations downgradient of pumping wells (for example, at TW4-6, located immediately south of TW4-4), where the lower permeability and relatively small saturated thickness of the perched zone significantly limits the rate at which chloroform mass can be removed by pumping. By removing mass and reducing hydraulic gradients, thereby reducing the rate of downgradient chloroform migration, and allowing natural attenuation to be more effective, pumping at the productive, upgradient locations has a beneficial effect on this downgradient chloroform. Pumping at TW4-4 was implemented during the first quarter of 2010 to improve capture in this downgradient area to the extent allowable by the lower productivity conditions presumed to exist in this area. The beneficial effect of pumping TW4-4 is demonstrated by the decrease in chloroform concentrations at TW4-6 from 1,000 µg/L to 5.9 µg/L, and at TW4-26 from 13 µg/L to 2.8 µg/L since pumping began at TW4-4. Concentrations at these wells have decreased substantially even though they do not unambiguously appear to be within the hydraulic capture of TW4-4. As discussed in Section 4.1.1, however, the decrease in the long-term rate of water level rise at TW4-6 since pumping began at TW4-4 does suggest that TW4-6 is within the hydraulic influence of TW4-4. Regardless of whether TW4-6 can be demonstrated to be within hydraulic capture of TW4-4, pumping TW4-4 reduces chloroform migration to TW4-6 and TW4-26 by the mechanisms discussed above.

Chloroform exceeding 70 µg/L was detected at recently installed well TW4-29, located south of TW4-27 and east of TW4-26, and generally cross-gradient of TW4-4 and TW4-6 with respect to the groundwater flow directions implied by groundwater elevations in the area. As discussed in Section 4.1.1, this may represent chloroform migrating around the low permeability area defined

by TW4-27 and TW4-14. If the TW4-29 chloroform migrated from the area of TW4-4, it is also likely to be within the hydraulic influence of TW4-4 by analogy with the water level and concentration behavior of nearby wells TW4-6 and TW4-26. Therefore, by analogy with TW4-6 and TW4-26, continued pumping at TW4-4 is expected to influence, and eventually reduce, concentrations at TW4-29.

4.2 Review of Analytical Results

4.2.1 Current Chloroform Isoconcentration Map

Included under Tab J of this Report is a current chloroform isoconcentration map for the Mill site.

4.2.2 Chloroform Concentration Trend Data and Graphs

Attached under Tab K are tables summarizing values for all required parameters, chloride, nitrate/nitrite, carbon tetrachloride, chloroform, chloromethane, and methylene chloride, for each well over time.

Attached under Tab L are graphs showing chloroform concentration trends in each monitor well over time.

4.2.3 Interpretation of Analytical Data

Comparing the chloroform analytical results to those of the previous quarter, as summarized in the table included under Tab K, the following observations can be made:

a) Chloroform concentrations have increased by more than 20% in the following wells compared to last quarter: MW-26, TW4-10, TW4-19, TW4-24, and TW4-26;

b) Chloroform concentrations have decreased by more than 20% in the following wells compared to last quarter: TW4-21and TW4-22;

c) Chloroform concentrations have remained within 20% in the following wells compared to last quarter: MW-4, TW4-1, TW4-2, TW4-4, TW4-5, TW4-6, TW4-7, TW4-11, TW4-18, TW4-20, and TW4-29;

d) MW-32, TW4-3, TW4-8, TW4-9, TW4-12, TW4-13, TW4-14, TW4-16, TW4-23, TW4-25 and TW4-27 remained non-detect; and.

e) Chloroform was not detected in recently installed wells TW4-28, TW4-30 and TW4-31.

As indicated, chloroform concentrations at many of the wells with detected chloroform were within 20% of the values reported for the wells during the previous quarter, suggesting that variations are within the range typical for sampling and analytical error. Wells MW-26, TW4-10, TW4-19, TW4-21, TW4-22, TW4-24 and TW4-26 had changes in concentration greater than 20%. Of the latter, MW-26 and TW4-19 are chloroform pumping wells, and TW4-22 and TW4-

24 are nitrate pumping wells. TW4-10 is located adjacent to chloroform pumping well MW-26 and TW4-21 is located adjacent to chloroform pumping well TW4-19. Fluctuations in concentrations at pumping wells and wells adjacent to pumping wells likely result in part from changes in pumping at both chloroform and nitrate pumping wells.

Chloroform pumping well TW4-20 had the highest detected chloroform concentration. Since the last quarter, the chloroform concentration in TW4-20 increased slightly from 26,300 µg/L to 26,800 µg/L, the concentration in adjacent pumping well TW4-19 increased from 2,070 µg/L to 8,100 µg/L, and the concentration in nearby well TW4-21 decreased from 328 to 244 µg/L. The chloroform concentration in nitrate pumping well TW4-22 decreased from 12,500 µg/L to 9,640 µg/L. Wells TW4-23 and TW4-25 remained non-detect for chloroform. The chloroform concentration in nitrate pumping well TW4-24 increased from 17.4 µg/L to 21.8 µg/L. TW4-24, located west of TW4-22, and TW4-25, located north of TW4-21, bound the chloroform plume to the west and north. In addition, the plume boundary remains between TW4-4 and TW4-6 (located just north of temporary well TW4-26), but the concentration of 246 µg/L at recently installed well TW4-29 (located east of TW4-26 and south of TW4-27) indicates that either there is an extension of the plume from the area of TW4-4 to TW4-29, or that a separate plume is present at TW4-29. If the plume extends from TW4-4 southeast to TW4-29, the extension would be narrow as it is bounded to the west by TW4-6 and TW4-26, to the east by recently installed well TW4-30, and to the north by TW4-27. Fourth quarter, 2013 data to be collected from new well TW4-33, located between TW4-4 and TW4-29, is expected to resolve this issue.

The chloroform concentration in TW4-6 increased from 4.9 µg/L to 5.9 µg/L, and, as discussed above, is outside the chloroform plume boundary. Since initiation of pumping of TW4-4 in the first quarter of 2010, concentrations at TW4-6 have decreased from 1,000 µg/L to 5.9 µg/L. TW4-6, installed in the second quarter of 2000, was the most downgradient temporary perched well prior to installation of temporary well TW4-23 in 2007 and temporary well TW4-26 in the second quarter of 2010. TW4-6 remained outside the chloroform plume between the second quarter of 2000 and the fourth quarter of 2008. TW4-6 likely remained outside the chloroform plume during this time due to a combination of 1) slow rates of downgradient chloroform migration in this area due to low permeability conditions and the effects of upgradient chloroform removal by pumping, and 2) natural attenuation.

The slow rate of chloroform migration in the vicinity of TW4-6 is demonstrated by comparing the rate of increase in chloroform at this well to the rate of increase in the nearest upgradient well TW4-4. Concentrations at TW4-4 increased from non-detect to more than 2,200 µg/L within only 2 quarters whereas 16 quarters were required for concentrations in TW4-6 to increase from non-detect to only 81 µg/L. This behavior is consistent with hydraulic tests performed at TW4-4, TW4-6, and TW4-26 during the third quarter of 2010 that indicate a nearly two order of magnitude decrease in permeability south (downgradient) of TW4-4. Chloroform migration rates in the vicinity of well TW4-26 and recently installed well TW4-29 are also expected to be relatively slow due to upgradient pumping and low permeability conditions.

However, chloroform appears to have migrated from the vicinity of TW4-4 southeast to recently installed well TW4-29. The southern portion of the plume is currently bounded to the south and southwest by TW4-6 and TW4-23 and to the east by TW4-8, TW4-12, TW4-13, TW4-14, TW4-

27, and recently installed wells TW4-30 and TW4-31. If the plume extends from TW4-4 southeast to TW4-29, the extension would be narrow as it is bounded to the west by TW4-6 and TW4-26, to the east by recently installed well TW4-30, and to the north by TW4-27. The nature and extent of the chloroform detected at TW4-29 is expected to be resolved by fourth quarter, 2013 sampling of new wells TW4-33 (located between TW4-4 and TW4-29) and TW4-34 (located south of TW4-29).

Furthermore, because the permeability of the perched zone at TW4-29 is similar to that of TW4-6, chloroform migration rates at TW4-29 are also expected to be slow. In addition, because of the influence of TW4-4 pumping, and by analogy with the water level and concentration behavior of nearby wells TW4-6 and TW4-26, chloroform concentrations at TW4-29 are expected to eventually trend downward.

Although changes in concentration have occurred in wells within the chloroform plume, the boundaries of the plume have not changed significantly since the last quarter, even under the influence of the nitrate pumping. Nitrate pumping has, however, caused the boundary of the northern portion of the chloroform plume to continue to move slightly to the west toward TW4-24. Continued operation of the nitrate pumping system is expected to produce a capture zone that will merge with and enhance the capture zone associated with the chloroform pumping system.

4.2.4 TW4-27

Installation of the perched groundwater monitoring well, TW4-27, was completed on November 8, 2011, as required by the May 26, 2011 DRC Request for Additional Information ("RFI"), and as delineated in the Final EFRI Work Plan and Schedule to Drill and Install Well TW4-27 (the "Plan"), submitted to DRC on October 3, 2011.

Per section 1.2 of the Plan, water level and chloroform concentration data will be collected from existing wells, as well as TW4-27, to determine if TW4-27 satisfies the stipulated criteria. TW4-27 will satisfy the stipulated criteria if the 70 ug/L chloroform isoconcentration line remains hydraulically upgradient of TW4-27, and groundwater contour lines show that TW4-27 is hydraulically downgradient of TW4-4 and TW4-6.

In addition to the criteria in section 1.2, section 1.3 of the Plan states that if water level data from TW4-27 indicates that the water level at TW4-14 is anomalous, TW4-14 will be abandoned, with the approval of the Director of the Division of Radiation Control. The water level at TW4-14 will be considered anomalous if the water level at TW4-27 is comparable to the water level at TW4-6.

Water level and analytical data collected from TW4-27 in 2012 and third quarter 2013 indicate that the 70 ug/L chloroform isoconcentration line remains hydraulically upgradient of TW4-27, and that TW4-27 is hydraulically downgradient of TW4-4 and TW4-6, satisfying the criteria described above. Furthermore, because the water level at TW4-27 is similar to the water level at TW4-14, but is approximately 13 feet lower than the water level at TW4-6, the water level at TW4-14 is not considered anomalous, and the section 1.3 abandonment criteria are not met.

The requirements of both the May 26, 2011 DRC RFI, and the October 3, 2011 Plan have been met, and no further action is required on the part of EFRI. Specific discussions related to TW4-27 will be removed from this quarterly report commencing with the fourth quarter 2013 quarterly report unless otherwise requested by DRC.

5.0 LONG TERM PUMP TEST AT MW-4, MW-26, TW4-19, TW4-20, AND TW4-4 OPERATIONS REPORT

5.1 Introduction

As a part of the investigation of chloroform contamination at the Mill site, EFRI has been conducting a Long Term Pump Test on MW-4, TW4-19, MW-26, and TW4-20, and, since January 31, 2010, TW4-4. The purpose of the test is to serve as an interim action that will remove a significant amount of chloroform-contaminated water while gathering additional data on hydraulic properties in the area of investigation.

Beginning in January 2013, EFRI began long term pumping of TW4-22, TW4-24, TW4-25, and TWN-02 as required by the Nitrate CAP, dated May 7, 2012 and the SCO dated December 12, 2012. Because wells TW4-22, TW4-24, and TW4-25 are chloroform program wells, they will be included in this report and any chloroform removal realized as part of this pumping will be calculated and included in this and all future chloroform quarterly reports.

The following information documents the operational activities during the quarter.

5.2 Pump Test Data Collection

The long term pump test for MW-4 was started on April 14, 2003, followed by the start of pumping from TW4-19 on April 30, 2003, from MW-26 on August 8, 2003, from TW4-20 on August 4, 2005, from TW4-4 on January 31, 2010, from TW4-22, TW4-24, and TW4-25 on January 26, 2013. Personnel from Hydro Geo Chem, Inc. were on site to conduct the first phase of the pump test and collect the initial two days of monitoring data for MW-4. EFRI personnel have gathered subsequent water level and pumping data.

Analyses of hydraulic parameters and discussions of perched zone hydrogeology near MW-4 has been provided by Hydro Geo Chem in a separate report, dated November 12, 2001, and in the May 26, 2004 *Final Report on the Long Term Pumping Test.*

Data collected during the quarter included the following:

- Measurement of water levels at MW-4, TW4-19, MW-26, and TW4-20 and, commencing regularly on March 1, 2010, TW4-4, on a weekly basis, and at selected temporary wells and permanent monitoring wells on a monthly basis.
- Measurement of pumping history, including:
  - pumping rates
  - total pumped volume
  - operational and non-operational periods.

- Periodic sampling of pumped water for chloroform and nitrate/nitrite analysis and other constituents
- Measurement of water levels weekly at TW4-22, TW4-24, TW4-25, and TWN-02 commencing January 28, 2013, and on a monthly basis for selected temporary wells and permanent monitoring wells.

5.3 Water Level Measurements

Beginning August 16, 2003, the frequency of water level measurements from MW-4, MW-26, and TW4-19 was reduced to weekly. From commencement of pumping TW4-20, and regularly after March 1, 2010 for TW4-4, water levels in these wells have been measured weekly. From commencement of pumping, water levels in wells TW4-22, TW4-24, TW4-25, and TWN-02 have been measured weekly. Depth to groundwater in all other chloroform contaminant investigation wells is monitored monthly. Copies of the weekly Depth to Water monitoring sheets for MW-4, MW-26, TW4-19, TW4-20, TW4-4, TW4-22, TW4-24, TW4-25 and TWN-02 and the monthly Depth to Water monitoring sheets for all of the chloroform contaminant investigation wells and the selected temporary wells and permanent monitoring wells are included under Tab C. Monthly depth to water measurements for the quarter are recorded in the Field Data Worksheets included under Tab D.

5.4 Pumping Rates and Volumes

Table 2 summarizes the recovered mass of chloroform by well per quarter and historically since the inception of the chloroform recovery program for the active pumping wells. It is important to note that TWN-02 is a nitrate program well and is sampled only for nitrate and chloride as required by the nitrate program. Because TWN-02 is not sampled or analyzed for chloroform, the mass of chloroform recovered is not calculated.

The pumping wells do not pump continuously, but are on a delay device. The wells purge for a set amount of time and then shut off to allow the well to recharge. Water from the pumping wells is transferred to a holding tank. The water in the holding tank is used in the Mill processes. The pumping rates and volumes for each of the pumping wells are shown in Table 3. No operational problems were observed with the wells or pumping equipment during the quarter, however, two items were noted during the quarter as described below.

5.4.1 Weather Event of September 18, 2013

The Mill experienced combined rainstorm/hailstorms on September 17 and 18, 2013. During the September 18, 2013 storm, the Mill received nearly the highest daily precipitation in its history, specifically 0.76 inches of rainfall and hail within 10 minutes, as measured by the Mill's on-site meteorological station. The September 17 and 18, 2013 rainfall was accompanied by hail ranging up to 4 centimeters in diameter. As a result of damage and flooding to the electrical substation, power to the Mill was interrupted for less than 24 hours. The power outage ultimately interrupted pumping of all chloroform and nitrate pumping wells for less than 24 hours. EFRI provided an informal notification to DRC on September 19, 2013 to alert them to the potential that the chloroform and nitrate pumping equipment was out of service due to power loss. The power was restored in less than 24 hours, and notifications to DRC were not required.

5.4.2 TW4-20 and TW4-24

During the weekly check of the pumping wells on July 2, 2013 the Mill Environmental Staff noted a decreased flow rate in pumping wells TW4-20 and TW4-24 due to multiple wells pumping at the same time. Mill Environmental Staff noted that they changed the timer on TW4-24 so that the well pumps at different times from other wells in the pumping network to maximize the pumping efficiency of the pumping network. Based on observed flow rates in subsequent weeks, the timer change was effective in maintaining historical flow rates and no further actions were necessary. Notifications to DRC were not required.

5.5 Mass Removed

Chloroform removal was estimated as of the first quarter 2007. Since that estimation, the mass removed by well for each quarter has been compiled in Table 2, which shows the pounds of chloroform that have been removed to date.

5.6 Inspections

All of the required inspections were completed and the inspection forms are included in Tab C.

5.7 Conditions That May Affect Water Levels in Piezometers

No water was added to the any of the wildlife ponds during the quarter.

6.0 CORRECTIVE ACTION REPORT

There are no corrective actions required during the current monitoring period.

6.1 Assessment of Previous Quarter's Corrective Actions

There were no corrective actions required during the previous monitoring period.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The water level contour maps for the third quarter, 2013 indicate effective capture of water containing high chloroform concentrations in the vicinity of chloroform pumping wells MW-4, MW-26, TW4-19, and TW4-20. Well-defined capture zones related to start-up of nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-2 are not clearly evident. A well-defined capture zone is also not evident at chloroform pumping well TW4-4. The capture zone associated with TW4-4 is likely obscured by the low water level at adjacent well TW4-14 and the two orders of magnitude decrease in permeability south of TW4-4. However, the decrease in chloroform concentrations at TW4-6 (located downgradient of TW4-4) and the decrease in rate of water level rise since the fourth quarter of 2009 are likely related to TW4-4 pumping.

Third quarter, 2013 chloroform concentrations at many of the wells with detected chloroform were within 20% of the values reported during the previous quarter, suggesting that variations are within the range typical for sampling and analytical error. Changes in concentration greater

than 20% occurred in wells MW-26, TW4-10, TW4-19, TW4-21, TW4-22, TW4-24 and TW4-26.

Of the wells showing changes in concentration greater than 20%, MW-26 and TW4-19 are chloroform pumping wells, and TW4-22 and TW4-24 are nitrate pumping wells. TW4-10 is located adjacent to chloroform pumping well MW-26, and TW4-21 is located adjacent to chloroform pumping well TW4-19. Fluctuations in concentrations at pumping wells and wells adjacent to pumping wells likely result in part from changes in pumping at both chloroform and nitrate pumping wells. Changes in concentration at chloroform wells are also expected to result from continued operation of nitrate pumping wells as the capture zone associated with the nitrate pumping system develops and merges with the capture zone associated with the chloroform pumping system.

Between the current and previous quarters, the concentration in downgradient temporary well TW4-26 increased from approximately 2 µg/L to approximately 3 µg/L. Changes in concentrations at TW4-26 (and TW4-6) are likely the result of their location near the downgradient edge of the plume where changes in upgradient pumping are expected to affect concentrations.

The highest chloroform concentration (26,800 µg/L) was detected at chloroform pumping well TW4-20. Since the last quarter, the chloroform concentration in TW4-20 increased slightly from 26,300 µg/L to 26,800 µg/L, the concentration in adjacent pumping well TW4-19 increased from 2,070 µg/L to 8,100 µg/L, and the concentration in nearby well TW4-21 decreased from 328 to 244 µg/L. The chloroform concentration in nitrate pumping well TW4-22 decreased from 12,500 µg/L to 9,640 µg/L. Fluctuations in concentrations in wells near TW4-20 are likely related to their location near the suspected former office leach field source area in addition to variations in pumping in TW4-20 and nearby wells. Regardless of these measured fluctuations in chloroform concentrations, sampling of temporary wells TW4-24 (located west of TW4-22) and TW4-25 (located north of TW4-21), indicates these wells remain outside the chloroform plume and thus bound the plume to the west and north. Chloroform was not detected at TW4-25 and was detected at a concentration of 21.8 µg/L at TW4-24. Wells TW4-23 and TW4-25 remained non-detect for chloroform.

The chloroform concentration at well TW4-6 increased slightly from 4.9 µg/L to 5.9 µg/L. This well has been outside the chloroform plume boundary since the fourth quarter of 2010. In the past, TW4-6 has been both within and outside the plume. From the first quarter of 2009 through the fourth quarter of 2010, TW4-6 was within the plume. Prior to that time, between the time of well installation in the second quarter of 2000 and the fourth quarter of 2008, TW4-6 was outside the plume. Although fluctuations in concentrations have occurred, this well likely remained outside the plume between installation in 2000 and the fourth quarter of 2008 due to a combination of 1) slow rates of downgradient chloroform migration in this area due to low permeability conditions and the effects of upgradient chloroform removal by pumping, and 2) natural attenuation. The decreases in concentrations at TW4-6 since the fourth quarter of 2009 are likely the result of upgradient pumping, in particular operation of adjacent chloroform pumping well TW4-4 (which commenced in the first quarter of 2010). Chloroform remained non-detect at downgradient temporary well TW4-23. The southern portion of the chloroform

plume is bounded to the southwest and south (respectively) by TW4-23 and TW4-6 (with a chloroform concentration of 5.9 µg/L) and to the east by TW4-8, TW4-12, TW4-13, TW4-14, TW4-27, and recently installed wells TW4-30 and TW4-31.

However, chloroform appears to have migrated from the vicinity of TW4-4 southeast to recently installed well TW4-29, and the extent of the plume to the south/southeast of TW4-29 is not currently known. If the plume extends from TW4-4 southeast to TW4-29, the extension would be narrow as it is bounded to the west by TW4-6 and TW4-26, to the east by recently installed well TW4-30, and to the north by TW4-27. The nature and extent of the chloroform detected at TW4-29 is expected to be resolved by fourth quarter, 2013 sampling of new wells TW4-33 (located between TW4-4 and TW4-29) and TW4-34 (located south of TW4-29). Furthermore, because the hydraulic conductivity of the perched zone at TW4-29 is similar to that of TW4-6, chloroform migration rates at TW4-29 are also expected to be low.

Although changes in concentration have occurred in wells within the chloroform plume, boundaries of the plume have not changed significantly since the last quarter, even under the influence of the nitrate pumping. Nitrate pumping has, however, caused the boundary of the northern portion of the chloroform plume to continue to move slightly to the west toward TW4-24.

Continued operation of chloroform pumping wells MW-4, MW-26, TW4-19, and TW4-20 is recommended. Pumping these wells, regardless of any short term fluctuations in concentrations detected at the wells (such as at TW4-20), helps to reduce downgradient chloroform migration by removing chloroform mass and reducing average hydraulic gradients, thereby allowing natural attenuation to be more effective. Continued operation of chloroform pumping well TW4-4 is also recommended to improve capture of chloroform to the extent practical in the southern portion of the plume. The general decrease in chloroform concentrations at TW4-6 from 1,000 µg/L to 5.9 µg/L since the first quarter of 2010 is likely related to pumping at TW4-4. The decrease in the long-term rate of water level rise at TW4-6 since TW4-4 pumping began, which suggests that TW4-6 is within the hydraulic influence of TW4-4, is consistent with the decrease in chloroform concentrations at TW4-6. Furthermore, because of the influence of TW4-4 pumping, and by analogy with the water level and concentration behavior of nearby wells TW4-6 and TW4-26, chloroform concentrations at TW4-29 are expected to eventually trend downward. Several more quarters of data will be likely be required before trends at TW4-29 can be properly evaluated.

While past recharge from the ponds has helped limit many constituent concentrations within the chloroform and nitrate plumes by dilution, the associated groundwater mounding has increased hydraulic gradients and contributed to plume migration. Since use of the northern wildlife ponds ceased in March 2012, the reduction in recharge and decay of the associated groundwater mound are expected to increase many constituent concentrations within the plumes while reducing hydraulic gradients and acting to reduce rates of plume migration. EFRI and its consultants have raised the issues and potential effects associated with cessation of water delivery to the northern wildlife ponds during discussions with DRC in March 2012 and May 2013.

The impacts associated with cessation of water delivery to the northern ponds are expected to propagate downgradient (south and southwest) over time. Wells close to the ponds are generally expected to be impacted sooner than wells farther downgradient of the ponds. Therefore, constituent concentrations are generally expected to increase in downgradient wells close to the ponds before increases are detected in wells farther downgradient of the ponds. Although such increases are anticipated to result from reduced dilution, the magnitude and timing of the increases are difficult to predict due to the complex permeability distribution at the site and factors such as pumping and the rate of decay of the groundwater mound. The potential exists for some wells completed in higher permeability materials to be impacted sooner than some wells completed in lower permeability materials even though the wells completed in lower permeability materials may be closer to the ponds.

Localized increases in concentrations of constituents such as nitrate and chloride within and near the nitrate plume may occur even when the nitrate plume is under control based on the Nitrate CAP requirements. Ongoing mechanisms that can be expected to increase the concentrations of nitrate and chloride locally as a result of reduced wildlife pond recharge include but are not limited to:

1) Reduced dilution - the mixing of low constituent concentration pond recharge into existing perched groundwater will be reduced over time.
2) Reduced saturated thicknesses – dewatering of higher permeability layers receiving primarily low constituent concentration pond water will result in wells intercepting these layers receiving a smaller proportion of the low constituent concentration water.

The combined impact of the above two mechanisms may be especially evident at chloroform and nitrate pumping wells and non-pumped wells adjacent to the pumped wells. The overall impact is expected to be generally higher constituent concentrations in these wells over time until mass reduction resulting from pumping and natural attenuation eventually reduce concentrations.

8.0 ELECTRONIC DATA FILES AND FORMAT

EFRI has provided to the Executive Secretary an electronic copy of all laboratory results for groundwater quality monitoring conducted under the chloroform contaminant investigation during the quarter, in Comma Separated Values format. A copy of the transmittal e-mail is included under Tab M.

9.0 SIGNATURE AND CERTIFICATION

This document was prepared by Energy Fuels Resources (USA) Inc. on November 19, 2013.

Energy Fuels Resources (USA) Inc.

By: 

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

Certification:

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

Tables

Table 1: Summary of Well Sampling for the Period

Well	Sample Date	Date of Lab Report
MW-04	9/3/2013	9/18/2013
TW4-01	9/12/2013	9/24/2013
TW4-02	9/12/2013	9/24/2013
TW4-03	8/29/2013	9/11/2013
TW4-03R	8/28/2013	9/11/2013
TW4-04	9/3/2013	9/18/2013
TW4-05	9/5/2013	9/18/2013
TW4-05R	9/4/2013	9/18/2013
TW4-06	9/5/2013	9/18/2013
TW4-07	9/12/2013	9/24/2013
TW4-08	9/5/2013	9/18/2013
TW4-09	9/5/2013	9/18/2013
TW4-10	9/12/2013	9/24/2013
TW4-11	9/12/2013	9/24/2013
TW4-12	8/29/2013	9/11/2013
TW4-13	8/29/2013	9/11/2013
TW4-14	8/29/2013	9/11/2013
MW-26	9/3/2013	9/18/2013
TW4-16	9/5/2013	9/18/2013
MW-32	9/4/2013	9/18/2013
TW4-18	9/5/2013	9/18/2013
TW4-19	9/3/2013	9/18/2013
TW4-20	9/3/2013	9/18/2013
TW4-21	9/12/2013	9/24/2013
TW4-22	9/3/2013	9/18/2013
TW4-23	9/5/2013	9/18/2013
TW4-24	9/3/2013	9/18/2013
TW4-25	9/3/2013	9/18/2013
TW4-26	9/5/2013	9/18/2013
TW4-27	8/29/2013	9/11/2013
TW4-28	8/29/2013	9/11/2013
TW4-29	9/12/2013	9/24/2013
TW4-29 Resample	9/26/2013	9/30/2013
TW4-30	8/29/2013	9/11/2013
TW4-31	9/5/2013	9/18/2013
TW4-60	9/12/2013	9/24/2013
TW4-65	8/29/2013	9/11/2013
TW4-70	9/5/2013	9/18/2013

All sample locations were sampled for Chloroform, Carbon Tetrachloride, Chloromethane, Methylene Chloride, Chloride and Nitrogen

"R" following a well number deisgnates a rinsate sample collected prior to purging of the well of that number.

TW4-60 is a DI Field Blank, TW4-65 is a duplicate of TW4-03, and TW4-70 is a duplicate of TW4-08.

Highlighted wells are continuously pumped.

Table 2 Chloroform Mass Removal Per Well Per Quarter

Quarter	MW-4 (lbs.)	TW4-15 (MW-26) (lbs.)	TW4-19 (lbs.)	TW4-20 (lbs.)	TW4-4 (lbs.)	TW4-22 (lbs.)	TW4-24 (lbs.)	TW4-25 (lbs.)	Quarter Totals (lbs.)
Q1 2007*	36.8	12.9	150.2	87.0	NA	NA	NA	NA	286.9
Q2 2007	1.4	0.1	0.0	2.5	NA	NA	NA	NA	4.0
Q3 2007	2.2	0.8	2.9	3.1	NA	NA	NA	NA	9.0
Q4 2007	1.7	1.0	3.1	4.8	NA	NA	NA	NA	10.6
Q1 2008	1.7	0.4	4.6	7.2	NA	NA	NA	NA	13.8
Q2 2008	1.3	0.5	3.2	9.9	NA	NA	NA	NA	14.8
Q3 2008	1.2	0.3	15.9	9.3	NA	NA	NA	NA	26.8
Q4 2008	1.3	0.3	20.7	0.4	NA	NA	NA	NA	22.7
Q1 2009	1.7	0.4	4.3	3.6	NA	NA	NA	NA	10.0
Q2 2009	6.8	0.2	3.7	2.8	NA	NA	NA	NA	13.5
Q3 2009	1.5	0.4	11.1	5.5	NA	NA	NA	NA	18.5
Q4 2009	4.8	0.6	17.8	26.1	NA	NA	NA	NA	49.4
Q1 2010	0.9	0.4	2.7	0.4	NA	NA	NA	NA	4.5
Q2 2010	1.5	1.0	6.8	5.9	1.4	NA	NA	NA	16.5
Q3 2010	1.3	1.2	2.0	4.9	1.3	NA	NA	NA	10.6
Q4 2010	1.1	0.5	7.7	7.4	1.2	NA	NA	NA	17.9
Q1 2011	1.1	0.2	12.9	9.6	1.1	NA	NA	NA	24.9
Q2 2011	1.2	0.8	5.3	4.6	1.1	NA	NA	NA	13.1
Q3 2011	1.2	0.4	1.1	4.1	1.2	NA	NA	NA	8.1
Q4 2011	1.2	0.8	2.7	4.8	1.4	NA	NA	NA	10.9
Q1 2012	1.1	0.6	0.8	7.0	1.0	NA	NA	NA	10.5
Q2 2012	1.1	0.6	0.7	6.9	1.1	NA	NA	NA	10.4
Q3 2012	1.1	0.7	1.4	2.4	1.1	NA	NA	NA	6.7
Q4 2012	0.9	0.3	2.0	3.2	0.9	NA	NA	NA	7.3
Q1 2013	0.9	0.4	7.4	2.8	0.7	1.5	0.0	0.0	13.7
Q2 2013	0.9	0.9	3.9	4.4	0.7	2.7	0.0	0.0	13.5
Q3 2013	**0.9**	**0.6**	**22.3**	**4.4**	**0.7**	**2.1**	**0.05**	**0.0**	**31.1**
Well Totals (pounds)	78.7	27.3	317.1	234.9	15.0	6.3	0.1	0.0	**679.6**

* Q1 2007 represents the cumulative total prior to and including Q1 2007.

Table 3 Chloroform Well Pumping Rates and Volumes

Pumping Well Name	Volume of Water Pumped during the quarter (gals)	Average Pump Rate (gpm)
MW-4	72,898.8	3.5
MW-26	25,763.0	10.3
TW4-4	63,515.4	8.1
TW4-19	329,460.1	14.0
TW4-20	19,731.0	9.7
TW4-22	25,592.9	18.2
TW4-24	267,703.5	17.5
TW4-25	145,840.9	18.2
TWN-2	50,036.5	18.6

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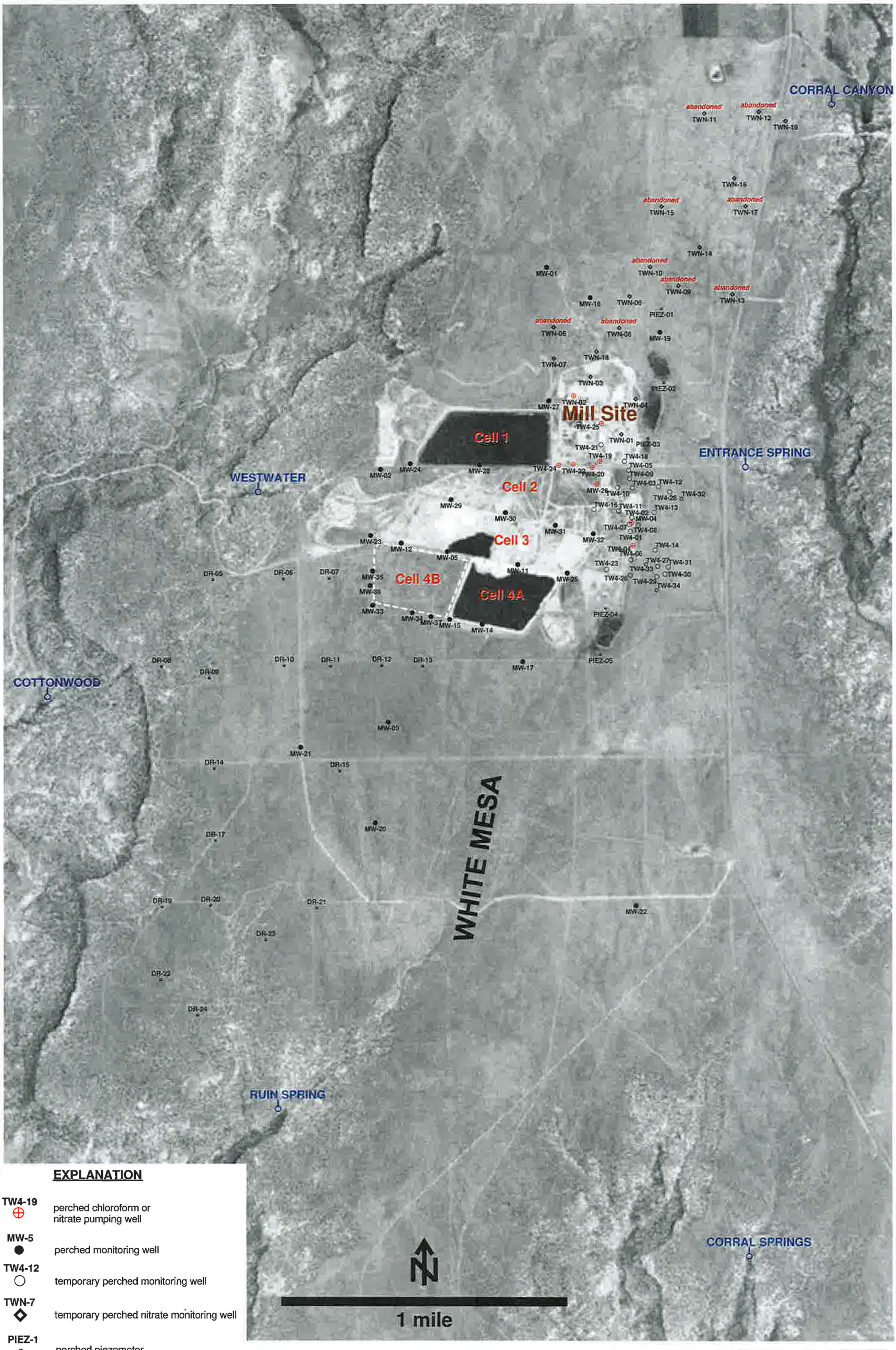
Tab A

Site Plan and Perched Well Locations White Mesa Site



EXPLANATION

TW4-19 ⊕	perched chloroform or nitrate pumping well
MW-5 ●	perched monitoring well
TW4-12 ○	temporary perched monitoring well
TWN-7 ◇	temporary perched nitrate monitoring well
PIEZ-1 ◒	perched piezometer
TW4-32 ☼	temporary perched monitoring well installed September, 2013
RUIN SPRING	seep or spring

HYDRO GEO CHEM, INC.

SITE PLAN SHOWING PERCHED WELL AND PIEZOMETER LOCATIONS WHITE MESA SITE

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

Tab B

Order of Sampling and Field Data Worksheets

Order of Contamination for 3rd Quarter 2013 Chloroform Purging Event

Well	Sample time	Chloroform Levels	Rinsate date/time	Water level	Well Depth	
TW4-03	8/29/13 0700	ND			141	TW4-03R 8/28/13 0933
TW4-12	0715	ND			101.5	
TW4-13	0721	ND			102.5	
TW4-14	0729	ND			93	
TW4-27	0735	ND			96	
TW4-28	0743	ND			107	
TW4-30	0751	ND			92.5	
TW4-31	9/5/13 0655	ND			106	
MW-32	9/4/13 1240	ND			130.6	Bladder pump
TW4-23	9/5/13 0704	ND			114	
TW4-08	9/5/13 0710	ND			125	
TW4-09	9/5/13 0723	ND			120	
TW4-16	9/5/13 0729	ND			142	
TW4-25	9/3/13 1240	ND			134.8	Cont. Pumping
TW4-26	9/5/13 0748	2.12			86	
TW4-06	9/5/13 0757	4.86			97.5	
TW4-05	9/5/13 0805	11.2			120	TW4-05R_09042013 1407
TW4-24	9/3/13 1255	17.4			112.5	Cont. Pumping
TW4-18	9/5/13 0815	37.9			137.5	
TW4-29	9/12/13 0657	242			93.5	
TW4-21	9/12/13 0711	328			121	
TW4-10	9/12/13 0723	486			111	
TW4-11	9/12/13 0747	788			100	
TW4-07	9/12/13 0753	953			120	
TW4-01	9/12/13 0800	1100			110	
TW4-04	9/3/13 ~~1325~~ 1347	1330			112	Cont. Pumping
MW-04	9/3/13 1335	1490			124	Cont. Pumping
TW4-02	9/12/13 0807	3110			120	
TW4-19	9/3/13 1030	2070			125	Cont. Pumping
MW-26	9/3/13 1325	4030			122.5	Cont. Pumping
TW4-22	9/3/13 1305	12500			113.5	Cont. Pumping
TW4-20	9/3/13 1315	26300			106	Cont. Pumping

TW4-60	D.I. Blank	9/12/13	0845
TW4-65	Duplicate	8/29/13	0700
TW4-70	Duplicate	9/5/13	0710

Comments:

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): MW-04

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-04_09032013

Date and Time for Purging: 9/3/2013 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

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

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 124.00

Depth to Water Before Purging: 69.71

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 19.92 (.367h)

Conductance (avg): 1916

pH of Water (avg): 7.15

Well Water Temp. (avg): 15.63

Redox Potential (Eh): 259

Turbidity: 2.5

Weather Cond.: Cloudy

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

Time	1334	Gal. Purged	0
Conductance	1916	pH	7.15
Temp. °C	15.63		
Redox Potential Eh (mV)	259		
Turbidity (NTU)	2.7		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 3.3

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6

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

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

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

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

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

Final Depth: 74.95 Sample Time: 1335

See instruction

Comment

Arrived on site at 1330. Tanner and Garrin present to collect samples
samples collected at 1335. water was Clear
Left site at 1339

Continuous Pumping Well

MW-04 09-03-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-01

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-01_09122013

Date and Time for Purging: 9/11/2013 and Sampling (if different): 9/12/2013

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-07

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: 64.35

Casing Volume (V) 4" Well: 29.80 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 2129

pH of Water (avg): 6.22

Well Water Temp. (avg): 14.93

Redox Potential (Eh): 308

Turbidity: 75

Weather Cond.: Partly Cloudy

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

Time	1209	Gal. Purged	33
Conductance	2126	pH	6.20
Temp. °C	14.93		
Redox Potential Eh (mV)	309		
Turbidity (NTU)	75		

Time	1210	Gal. Purged	44
Conductance	2135	pH	6.24
Temp. °C	14.94		
Redox Potential Eh (mV)	308		
Turbidity (NTU)	76		

Time	1211	Gal. Purged	55
Conductance	2131	pH	6.25
Temp. °C	14.94		
Redox Potential Eh (mV)	308		
Turbidity (NTU)	77		

Time	1212	Gal. Purged	66
Conductance	2124	pH	6.22
Temp. °C	14.94		
Redox Potential Eh (mV)	308		
Turbidity (NTU)	75		

Volume of Water Purged [66] gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [5.41]

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

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

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

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

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

Final Depth [106.88] Sample Time [0800]

See instruction

Comment

Arrived on site at 1203 Tanner and Garrin present for purge. Purge began at 1206 Purged well for a total of 6 minutes. Purge ended at 1212. water was a little murky. left site at 1214
Arrived on site at 0755 Tanner and Garrin present to collect samples. Depth to water was 64.46 Samples bailed and collected at 0800 Left site at 0802

[TW4-01 09-11-2013] Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-02

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4 02_09122013

Date and Time for Purging: 9/11/2013 and Sampling (if different): 9/12/2013

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-01

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: 65.60

Casing Volume (V) 4" Well: 35.52 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3466

pH of Water (avg): 6.54

Well Water Temp. (avg): 15.12

Redox Potential (Eh): 289

Turbidity: 64

Weather Cond.: Partly Cloudy

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

Time	1242	Gal. Purged	63
Conductance	3466	pH	6.54
Temp. °C	15.12		
Redox Potential Eh (mV)	289		
Turbidity (NTU)	64		

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

Time	0807	Gal. Purged	0
Conductance	3070	pH	6.73
Temp. °C	14.46		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	0809	Gal. Purged	0
Conductance	3110	pH	6.72
Temp. °C	14.49		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged Before: 63 gallon(s) After

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.45

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

If well evacuated to dryness, number of gallons evacuated: 63

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

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

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

Final Depth: 117.83 Sample Time: 0807

See instruction

Comment

Arrived on site at 1232. Tanner and Garrin present for purge. Purge began at 1236. Purged well for a total of 5 minutes and 45 seconds, Purge ended at 1242. water was a little murky. Left site at 1245
Arrived on site at 0802 Tanner and Garrin present to collect samples. Depth to water was 65.69 Samples bailed at 0807 Left site at 0809

TW4-02 09-11-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-03

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-03_08292013

Date and Time for Purging: 8/28/2013 and Sampling (if different): 8/29/2013

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-03R

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 141.00

Depth to Water Before Purging: 51.70

Casing Volume (V) 4" Well: 58.31 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 1640

pH of Water (avg): 6.81

Well Water Temp. (avg): 14.78

Redox Potential (Eh): 272

Turbidity: 14.6

Weather Cond.: Partly Cloudy

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

Time	0953	Gal. Purged	91
Conductance	1640	pH	6.81
Temp. °C	14.78		
Redox Potential Eh (mV)	272		
Turbidity (NTU)	14.6		

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

Time	0659	Gal. Purged	0
Conductance	1630	pH	7.00
Temp. °C	15.98		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	0701	Gal. Purged	0
Conductance	1635	pH	6.97
Temp. °C	15.95		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged Before [91] gallon(s) After

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [10.60]

Number of casing volumes evacuated (if other than two) [1.56]

If well evacuated to dryness, number of gallons evacuated [91]

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

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

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

Final Depth [139.83] Sample Time [0700]

See instruction

Comment

Arrived on site at 0940. Tanner and Garrin Present for purge. Purge began at 0945 Purged well for a total of 8 minutes and 20 seconds. water was clear. Purged well Dry!. Purge ended at 0953. Left site at 0957
Arrived on site at 0655 Tanner and Garrin Present to collect samples. Depth to water was 51.93 samples bailed and collected at 0700 Left site at 0703

TW4-03 08-28-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-03R

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: TW4-03R_08282013

Date and Time for Purging: 8/28/2013 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

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): 0

Depth to Water Before Purging: 0

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

Conductance (avg): 1.4

pH of Water (avg): 8.70

Well Water Temp. (avg): 22.61

Redox Potential (Eh): 286

Turbidity: 0.3

Weather Cond.: Partly Cloudy

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

Time	0932	Gal. Purged	132
Conductance	1.4	pH	8.70
Temp. °C	22.61		
Redox Potential Eh (mV)	286		
Turbidity (NTU)	0.3		

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)			

Volume of Water Purged: 150 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

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

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

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

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

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

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

Final Depth: 0

Sample Time: 0933

See instruction

Comment

Arrived on site at 0918 Tanner and Garrin Present for Rinsate. Rinsate began at 0920 Pumped 50 Gallons of soap DI water and 100 Gallons of DI water. Rinsate ended and samples were collected at 0933 Left site at 0937

TW4-03R 08-28-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-04

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-04_09032013

Date and Time for Purging: 9/3/2013 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: MW-04

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: 68.04

Casing Volume (V) 4" Well: 28.70 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 2303

pH of Water (avg): 6.96

Well Water Temp. (avg): 16.91

Redox Potential (Eh): 268

Turbidity: 3.0

Weather Cond.: Cloudy

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

Time	1316	Gal. Purged	0
Conductance	2303	pH	6.96
Temp. °C	16.91		
Redox Potential Eh (mV)	268		
Turbidity (NTU)	3.0		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 8.0

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

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

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

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

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

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

Final Depth: 72.44 Sample Time: 1347

See instruction

Comment

Arrived on site at 1340. Tanner and Garrin present to collect samples
Samples collected at 1347, Left site at 1351.
water was clear

Continuous Pumping Well

TW4-04 09-03-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-05

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-05_09052013

Date and Time for Purging: 9/4/2013 and Sampling (if different): 9/5/2013

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-05R

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: 59.42

Casing Volume (V) 4" Well: 39.55 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 1492

pH of Water (avg): 6.58

Well Water Temp. (avg): 15.55

Redox Potential (Eh): 292

Turbidity: 672

Weather Cond.: Partly Cloudy

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

Time	1431	Gal. Purged	77
Conductance	1495	pH	6.58
Temp. °C	15.51		
Redox Potential Eh (mV)	293		
Turbidity (NTU)	666		

Time	1432	Gal. Purged	88
Conductance	1500	pH	6.58
Temp. °C	15.55		
Redox Potential Eh (mV)	292		
Turbidity (NTU)	667		

Time	1433	Gal. Purged	99
Conductance	1486	pH	6.58
Temp. °C	15.54		
Redox Potential Eh (mV)	292		
Turbidity (NTU)	675		

Time	1434	Gal. Purged	110
Conductance	1490	pH	6.58
Temp. °C	15.55		
Redox Potential Eh (mV)	291		
Turbidity (NTU)	680		

Volume of Water Purged: 110 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.19

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

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

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

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: 60.36 Sample Time: 0805

See instruction

Comment

Arrived on site at 1420. Tanner and Garrin present for purge. Purge began at 1424
Purged well for a total of 10 minutes, water was a milky white color.
Purge ended at 1434. Left site at 1438
Arrived on site at 0801 Tanner and Garrin present to collect samples. Depth to water was 59.56 samples bailed and collected at 0805 Left site at 0807

TW4-05 09-04-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-05R

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-05R_09042013

Date and Time for Purging: 9/4/2013 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-06

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 0

Depth to Water Before Purging: 0

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

Conductance (avg): 25.1

pH of Water (avg): 6.21

Well Water Temp. (avg): 23.94

Redox Potential (Eh): 272

Turbidity: 0

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): ~~4~~ 30°
30°

Time	1405	Gal. Purged	110
Conductance	25.1	pH	6.21
Temp. °C	23.94		
Redox Potential Eh (mV)	272		
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: 150 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

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

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

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

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

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

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

Final Depth: 0

Sample Time: 1407

See instruction

Comment

Arrived on site at 1354. Rinsate began at 1355. Pumped 50 Gallons of soap, DI water and 100 Gallons of D.I. water. Rinsate ended at 1408. samples collected at 1407. Left site at 1410

TW4-05R 09-04-2013 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-06

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-06_09052013

Date and Time for Purging: 9/4/2013 and Sampling (if different): 9/5/2013

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-26

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 97.50

Depth to Water Before Purging: 69.25

Casing Volume (V) 4" Well: 18.44 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 4004

pH of Water (avg): 6.75

Well Water Temp. (avg): 16.04

Redox Potential (Eh): 251

Turbidity: 306

Weather Cond.: Sunny

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

Time	1347	Gal. Purged	25
Conductance	4004	pH	6.75
Temp. °C	16.04		
Redox Potential Eh (mV)	251		
Turbidity (NTU)	306		

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

Time	0757	Gal. Purged	0
Conductance	4000	pH	6.11
Temp. °C	15.63		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	0758	Gal. Purged	0
Conductance	4006	pH	6.14
Temp. °C	15.67		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged (Before) 25 gallon(s) (After)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.35

Number of casing volumes evacuated (if other than two) 1.35

If well evacuated to dryness, number of gallons evacuated 25

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 95.45 Sample Time 0757

See instruction

Comment

Arrived on site at 1342 Tanner and Garrin present for purge. Purge began at 1345 Purged well for a total of 2 minutes and 20 seconds. Purged well dry! water was a little dirty, sand particles and light brown in color. Purge ended at 1347 Left site at 1350
Arrived on site at 0752 Tanner and Garrin present to collect samples. Depth to water was 69.55 Samples bailed and collected at 0757 Left site at 0759

TW4-06 09-04-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-07

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: TW4-07_09122013

Date and Time for Purging: 9/11/2013 and Sampling (if different): 9/12/2013

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-11

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: 65.20

Casing Volume (V) 4" Well: 35.78 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 1574

pH of Water (avg): 6.90

Well Water Temp. (avg): 14.98

Redox Potential (Eh): 245

Turbidity: 47

Weather Cond.: Partly Cloudy

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

Time	0936	Gal. Purged	66
Conductance	1574	pH	6.90
Temp. °C	14.98		
Redox Potential Eh (mV)	245		
Turbidity (NTU)	47		

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

Time	0753	Gal. Purged	0
Conductance	1564	pH	6.83
Temp. °C	14.41		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	0754	Gal. Purged	0
Conductance	1567	pH	6.85
Temp. °C	14.45		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged — Before: 66 gallon(s) — After: 66

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.50

Number of casing volumes evacuated (if other than two): 1.84

If well evacuated to dryness, number of gallons evacuated: 66

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

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

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

Final Depth: 117.95 Sample Time: 0753

See instruction

Comment

Arrived on site at 0928 Tanner and Garrin present to ~~collect~~ Purge well. Purge began at 0930. Purged well for 6 minutes. Purged well dry. water was mostly clear. Left site at 0938

Arrived on site at 0749 Tanner and Garrin present to collect samples. Depth to water was 66.15 samples bailed at 0753 Left site at 0755

TW4-07 09-11-2013 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-08

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-08_09052013

Date and Time for Purging: 9/4/2013 and Sampling (if different): 9/5/2013

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-23

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 125.00

Depth to Water Before Purging: 65.04

Casing Volume (V) 4" Well: 39.15 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3277

pH of Water (avg): 6.83

Well Water Temp. (avg): 15.03

Redox Potential (Eh): 140

Turbidity: 257

Weather Cond.: Cloudy

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

Time	0828	Gal. Purged	66
Conductance	3288	pH	6.83
Temp. °C	15.04		
Redox Potential Eh (mV)	141		
Turbidity (NTU)	250		

Time	0821	Gal. Purged	77
Conductance	3274	pH	6.83
Temp. °C	15.04		
Redox Potential Eh (mV)	140		
Turbidity (NTU)	253		

Time	0830	Gal. Purged	88
Conductance	3276	pH	6.83
Temp. °C	15.04		
Redox Potential Eh (mV)	140		
Turbidity (NTU)	260		

Time	0831	Gal. Purged	99
Conductance	3271	pH	6.84
Temp. °C	15.03		
Redox Potential Eh (mV)	140		
Turbidity (NTU)	265		

Volume of Water Purged [99] gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [7.11]

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

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

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

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

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

Final Depth [75.25] Sample Time [0710]

See instruction

Comment

Arrived on site at 0820 Tanner and Garrin present for purge. Purge began at 0822. Purged well for 9 minutes. Water was murky with a light white coloration. Purge ended at 0831. Left site at 0834
Arrived on site at 0706 Tanner and Garrin present to collect samples. Depth to water was 65.51 Samples bailed and collected at 0710 Left site at 0712

[TW4-08 09-04-2013] Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-09

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-09_09052013

Date and Time for Purging: 9/4/2013 and Sampling (if different): 9/5/2013

Well Purging Equip Used: ☑ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-08

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: 57.26

Casing Volume (V) 4" Well: 40.96 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 2340

pH of Water (avg): 6.40

Well Water Temp. (avg): 15.06

Redox Potential (Eh): 307

Turbidity: 294

Weather Cond.: Partly Cloudy

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

Time	0922	Gal. Purged	66
Conductance	2338	pH	6.40
Temp. °C	15.07		
Redox Potential Eh (mV)	308		
Turbidity (NTU)	285		

Time	0923	Gal. Purged	11
Conductance	2341	pH	6.41
Temp. °C	15.06		
Redox Potential Eh (mV)	307		
Turbidity (NTU)	290		

Time	0924	Gal. Purged	88
Conductance	2341	pH	6.41
Temp. °C	15.06		
Redox Potential Eh (mV)	307		
Turbidity (NTU)	297		

Time	0925	Gal. Purged	99
Conductance	2340	pH	6.40
Temp. °C	15.06		
Redox Potential Eh (mV)	306		
Turbidity (NTU)	304		

Volume of Water Purged [99] gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [7.44]

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

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

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

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

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

Final Depth [75.50] Sample Time [0723]

See instruction

Comment

Arrived on site at 0912 Tanner and Garrin present for purge. Purge began at 0916 Purged well for a total of 9 minutes. water was a little Murky with a white coloration Purge ended at 0925
Arrived on site at 0718 Tanner and Garrin present to collect samples. Depth to water was 57.32 samples bailed and collected at 0723 Left site at 0725

[TW4-09 09-04-2013] Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-10

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-10_09122013

Date and Time for Purging: 9/11/2013 and Sampling (if different): 9/12/2013

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-21

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 111.00

Depth to Water Before Purging: 57.61

Casing Volume (V) 4" Well: 34.86 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 2569

pH of Water (avg): 6.20

Well Water Temp. (avg): 15.03

Redox Potential (Eh): 323

Turbidity: 67

Weather Cond.: Cloudy

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

Time	0824	Gal. Purged	52
Conductance	2569	pH	6.20
Temp. °C	15.03		
Redox Potential Eh (mV)	323		
Turbidity (NTU)	67		

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

Time	0723	Gal. Purged	0
Conductance	2418	pH	6.00
Temp. °C	14.95		
Redox Potential Eh (mV)	2		
Turbidity (NTU)			

Time	0724	Gal. Purged	0
Conductance	2420	pH	6.03
Temp. °C	14.97		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before / After

Volume of Water Purged: 52 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.33

Number of casing volumes evacuated (if other than two): 1.49

If well evacuated to dryness, number of gallons evacuated: 52

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

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

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

Final Depth: 109.34 Sample Time: 0723

See instruction

Comment

Arrived on site at 0815 Tanner and Garrin present to purge well. Purge began at 0819. Purged well for a total of 4 minutes and 45 seconds. Purged well dry! Purge ended at 0824. water was a little murky. Left site at 0827
Arrived on site at 0718 Tanner and Garrin present to collect samples. Depth to water was 57.77 Samples bailed at 0723 Left site at 0725

TW4-10 09-11-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-11_09122013

Date and Time for Purging: 9/11/2013 and Sampling (if different): 9/12/2013

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-10

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 100.00

Depth to Water Before Purging: 57.70

Casing Volume (V) 4" Well: 27.62 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 1625

pH of Water (avg): 6.64

Well Water Temp. (avg): 14.49

Redox Potential (Eh): 303

Turbidity: 13.70

Weather Cond.: Partly Cloudy

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

Time	0903	Gal. Purged	33
Conductance	1622	pH	6.64
Temp. °C	14.50		
Redox Potential Eh (mV)	303		
Turbidity (NTU)	13.5		

Time	0904	Gal. Purged	44
Conductance	1625	pH	6.65
Temp. °C	14.49		
Redox Potential Eh (mV)	303		
Turbidity (NTU)	13.5		

Time	0905	Gal. Purged	55
Conductance	1627	pH	6.65
Temp. °C	14.48		
Redox Potential Eh (mV)	303		
Turbidity (NTU)	13.8		

Time	0906	Gal. Purged	66
Conductance	1627	pH	6.65
Temp. °C	14.50		
Redox Potential Eh (mV)	303		
Turbidity (NTU)	14.0		

Volume of Water Purged: 66 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 5.02

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

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

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

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: 97.66 Sample Time: 0747

See instruction

Comment

Arrived on site at 0856 Tanner and garrin present for purge. Purge began at 0900 Purged well for a total of 6 minutes. Purge ended at 0906, water was clear. Left site at 0909
Arrived on site at 0743 Tanner and Garrin present to collect samples. Depth to water was 58.48 samples bailed at 0747 Left site at 0749

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-12

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-12_08292013

Date and Time for Purging: 8/28/2013 and Sampling (if different): 8/29/2013

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-03

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 101.50

Depth to Water Before Purging: 42.08

Casing Volume (V) 4" Well: 38.80 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 1189

pH of Water (avg): 7.13

Well Water Temp. (avg): 15.03

Redox Potential (Eh): 260

Turbidity: 3.1

Weather Cond.: Sunny

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

Time	1030	Gal. Purged	55
Conductance	1191	pH	7.12
Temp. °C	15.02		
Redox Potential Eh (mV)	262		
Turbidity (NTU)	3.1		

Time	1031	Gal. Purged	66
Conductance	1190	pH	7.12
Temp. °C	Ø 15.03		
Redox Potential Eh (mV)	261		
Turbidity (NTU)	3.1		

Time	1032	Gal. Purged	77
Conductance	1189	pH	7.14
Temp. °C	15.04		
Redox Potential Eh (mV)	260		
Turbidity (NTU)	3.2		

Time	1033	Gal. Purged	88
Conductance	1189	pH	7.14
Temp. °C	15.04		
Redox Potential Eh (mV)	260		
Turbidity (NTU)	3.2		

Volume of Water Purged: 88 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.05

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

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

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

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

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

Final Depth: 61.25 Sample Time: 0715

See instruction

Comment

Arrived on site at 1021 Tanner and Garrin present for purge. Purge began at 1025 Purged well for a total of 8 minutes. water was clear. Purge ended at 1033. Left site at 1036
Arrived on site at 0711 Tanner and Garrin present to collect samples. Depth to water was 42.11 samples bailed and collected at 0715 Left site at 0716

TW4-12 08-28-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-13

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID ~~TW4-13_0828~~ TW4-13_08292013 TW4-13_08292013

Date and Time for Purging 8/28/2013 and Sampling (if different) 8/29/2013

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

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event TW4-12

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm Well Depth(0.01ft): 102.50

Depth to Water Before Purging 47.30 Casing Volume (V) 4" Well: 36.04 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 1754 pH of Water (avg) 7.14

Well Water Temp. (avg) 15.32 Redox Potential (Eh) 266 Turbidity 10.3

Weather Cond. Sunny Ext'l Amb. Temp. °C (prior sampling event) 23°

Time	1206	Gal. Purged	55
Conductance	1754	pH	7.14
Temp. °C	15.32		
Redox Potential Eh (mV)	266		
Turbidity (NTU)	10.3		

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

Time	0720	Gal. Purged	0
Conductance	1735	pH	7.17
Temp. °C	15.30		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	0722	Gal. Purged	0
Conductance	1739	pH	7.17
Temp. °C	15.36		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged (Before) 55 gallon(s) (After)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.55

Number of casing volumes evacuated (if other than two) 1.52

If well evacuated to dryness, number of gallons evacuated 55

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 100.35 Sample Time 0721

See instruction

Comment

Arrived on site at 1158 Tanner and Garrin present for purge. Purge began at 1201 Purged well for a total of 5 minutes. Purged well dry. water was clear. Purge ended at 1206. Left site at 1209

Arrived on site at 0717 Tanner and Garrin present to collect samples. Depth to water was 47.40 samples bailed and collected at 0721 Left site at 0723

TW4-13 08-28-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-14_08292013

Date and Time for Purging: 8/28/2013 and Sampling (if different): 8/29/2013

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-13

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 93.00

Depth to Water Before Purging: 85.36

Casing Volume (V) 4" Well: 4.98 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 4753

pH of Water (avg): 6.90

Well Water Temp. (avg): 19 30

Redox Potential (Eh): 269

Turbidity: 98

Weather Cond.: Sunny

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

Time	1233	Gal. Purged	5.5
Conductance	4753	pH	6.90
Temp. °C	19.30		
Redox Potential Eh (mV)	269		
Turbidity (NTU)	98		

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

Time	0728	Gal. Purged	0
Conductance	1265	pH	7.15
Temp. °C	15.45		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	0730	Gal. Purged	0
Conductance	1282	pH	7.12
Temp. °C	15.51		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged Before 5.5 gallon(s) After

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = .90

Number of casing volumes evacuated (if other than two) 1.10

If well evacuated to dryness, number of gallons evacuated 5.5

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 91.34 Sample Time 0729

See instruction

Comment

Arrived on site at 1230 Tanner and Garrin present for purge. Purge began at 1233 Purged well for a total of 30 seconds. Purged well dry! water was murky. Purge ended at 1233. Left site at 1237.
Arrived on site at 0724 Tanner and Garrin present to collect samples. Depth to water was 85.58 samples bailed and collected at 0729 Left site at 0731

TW4-14 08-28-2013 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_09032013

Date and Time for Purging: 9/3/2013 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-20

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 122.50

Depth to Water Before Purging: 63.30

Casing Volume (V) 4" Well: 38.65 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3351

pH of Water (avg): 6.95

Well Water Temp. (avg): 15.97

Redox Potential (Eh): 236

Turbidity: 1.5

Weather Cond.: Cloudy

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

Time	1324	Gal. Purged	0
Conductance	3351	pH	6.95
Temp. °C	15.97		
Redox Potential Eh (mV)	236		
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 = [10.4]

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

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

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

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

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

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

Final Depth [68.94] Sample Time [1325]

See instruction

Comment

Arrived on site at 1318. Tanner and Garrin Present to collect samples.
Samples collected at 1325. Left site at 1328.
water was Clear
Continuous Pumping Well

MW-26 09-03-2013 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-16

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-16_09052013

Date and Time for Purging: 9/4/2013 and Sampling (if different): 9/5/2013

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-09

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 142.00

Depth to Water Before Purging: 61.24

Casing Volume (V) 4" Well: 52.73 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3496

pH of Water (avg): 6.40

Well Water Temp. (avg): 14.95

Redox Potential (Eh): 180

Turbidity: 32

Weather Cond.: Partly Cloudy

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

Time	0956	Gal. Purged	109
Conductance	3499	pH	6.41
Temp. °C	14.96		
Redox Potential Eh (mV)	179		
Turbidity (NTU)	30		

Time	0957	Gal. Purged	120
Conductance	3499	pH	6.39
Temp. °C	14.95		
Redox Potential Eh (mV)	181		
Turbidity (NTU)	32		

Time	0958	Gal. Purged	121
Conductance	3494	pH	~~15~~ 6.41
Temp. °C	14.94		
Redox Potential Eh (mV)	181		
Turbidity (NTU)	33		

Time	0959	Gal. Purged	132
Conductance	3495	pH	6.41
Temp. °C	14.95		
Redox Potential Eh (mV)	182		
Turbidity (NTU)	33		

Volume of Water Purged: 132 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 9.58

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

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

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

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

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

Final Depth: 137.91 Sample Time: 0729

See instruction

Comment

Arrived on site at 0944 Tanner and Garrin present to ~~collect samples~~. Purge. Purge began at 0947. Purged well for a total of 12 minutes, water
Purge ended at 0959. Left site at 1003
Arrived on site at 0725 Tanner and Garrin present to collect samples. Depth to water was 61.55 Samples bailed and collected at 0729 Left site at 0731

Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): MW-32

Sampler Name and initials: Tanner Holliday / TH

Field Sample ID: MW-32_09042013

Date and Time for Purging: 9/4/2013 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-04

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 132.50

Depth to Water Before Purging: 74.04

Casing Volume (V) 4" Well: 38.17 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3853

pH of Water (avg): 6.61

Well Water Temp. (avg): 15.09

Redox Potential (Eh): 170

Turbidity: 91

Weather Cond.: Cloudy

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

Time	1237	Gal. Purged	77.46
Conductance	3864	pH	6.73
Temp. °C	15.08		
Redox Potential Eh (mV)	171		
Turbidity (NTU)	90		

Time	1238	Gal. Purged	77.68
Conductance	3850	pH	6.61
Temp. °C	15.09		
Redox Potential Eh (mV)	171		
Turbidity (NTU)	91		

Time	1239	Gal. Purged	77.90
Conductance	3856	pH	6.59
Temp. °C	15.09		
Redox Potential Eh (mV)	171		
Turbidity (NTU)	91		

Time	1240	Gal. Purged	78.12
Conductance	3845	pH	6.53
Temp. °C	15.10		
Redox Potential Eh (mV)	170		
Turbidity (NTU)	94		

Volume of Water Purged: 78.12 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 351.83

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

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

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

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

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

Final Depth: 78.96 Sample Time: 1240

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 360 minutes. water was a little murky with a light brown coloration. Purge ended at 1240. Left site at 1246

MW-32 09-04-2013 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-18

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-18_09052013

Date and Time for Purging: 9/4/2013 and Sampling (if different): 9/5/2013

Well Purging Equip Used: ☐ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-05

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 137.50

Depth to Water Before Purging: 60.15

Casing Volume (V) 4" Well: 50.50 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 1635

pH of Water (avg): 6.40

Well Water Temp. (avg): 15.64

Redox Potential (Eh): 299

Turbidity: 526

Weather Cond.: Partly Cloudy

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

Time	1503	Gal. Purged	88
Conductance	1651	pH	6.38
Temp. °C	15.65		
Redox Potential Eh (mV)	301		
Turbidity (NTU)	520		

Time	1504	Gal. Purged	99
Conductance	1648	pH	6.42
Temp. °C	15.65		
Redox Potential Eh (mV)	299		
Turbidity (NTU)	529		

Time	1505	Gal. Purged	110
Conductance	1630	pH	6.41
Temp. °C	15.65		
Redox Potential Eh (mV)	298		
Turbidity (NTU)	537		

Time	1506	Gal. Purged	121
Conductance	1611	pH	6.40
Temp. °C	15.64		
Redox Potential Eh (mV)	298		
Turbidity (NTU)	521		

Volume of Water Purged: 121 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 9.18

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

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

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

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

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

Final Depth: 68.61 Sample Time: 0815

See instruction

Comment

Arrived on site at 1453 Tanner and Garrin Present for purge. Purge began at 1455
Purged well for a total of 11 minutes. water was
Purge ended at 1506. Left site at 1510
Arrived on site at 0810 Tanner and Garrin present to collect samples. Depth to water was 60.25 samples bailed and collected at 0815 Left site at 0817

TW4-18 09-04-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-19

Sampler Name and initials: Tanner Holliday

Field Sample ID: TW4-19_09032013

Date and Time for Purging: 9/3/2013 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): Continuous

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-30

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 125.00

Depth to Water Before Purging: 59.22

Casing Volume (V) 4" Well: ~~42.94~~ (.653h) 42.95
3" Well: 0 (.367h)

Conductance (avg): 3205

pH of Water (avg): 6.80

Well Water Temp. (avg): 16.15

Redox Potential (Eh): 400

Turbidity: 0

Weather Cond.: Cloudy

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

Time	1028	Gal. Purged	0
Conductance	3205	pH	6.80
Temp. °C	16.15		
Redox Potential Eh (mV)	400		
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 = [14.0]

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

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

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

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

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

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

Final Depth [75.97] Sample Time [1030]

See instruction

Comment

Arrived on site at 1023. Tanner and Garrin present to collect samples.
Samples collected at 1030, water was clear
Left site at 1033

Continuous Pumping Well

TW4-19 09-03-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-20

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-20_09032013

Date and Time for Purging: 9/3/2013 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): Continuous

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-22

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 106.00

Depth to Water Before Purging: 61.30

Casing Volume (V) 4" Well: 29.18 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3960

pH of Water (avg): 6.97

Well Water Temp. (avg): 17.07

Redox Potential (Eh): 225

Turbidity: 4.0

Weather Cond.: Cloudy

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

Time	1314	Gal. Purged	0
Conductance	3960	pH	6.97
Temp. °C	17.07		
Redox Potential Eh (mV)	225		
Turbidity (NTU)	4.0		

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 = 9.6

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

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

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

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

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

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

Final Depth: 64.99 Sample Time: 1315.

See instruction

Comment

Arrived on site at 1309. Tanner and Garrin Present to collect samples.
Samples collected at 1315. Left site at 1317
water was clear

Continuous Pumping Well

TW4-20 09-03-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-21

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-21_09122013

Date and Time for Purging: 9/11/2013 and Sampling (if different): 9/12/2013

Well Purging Equip Used: ☑ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☑ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-29

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 121.00

Depth to Water Before Purging: 59.75

Casing Volume (V) 4" Well: 39.99 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3792

pH of Water (avg): 6.76

Well Water Temp. (avg): 16.10

Redox Potential (Eh): 291

Turbidity: 6.6

Weather Cond.: Cloudy

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

Time	0735	Gal. Purged	66
Conductance	3784	pH	6.75
Temp. °C	16.11		
Redox Potential Eh (mV)	291		
Turbidity (NTU)	6.6		

Time	0736	Gal. Purged	77
Conductance	3790	pH	6.83
Temp. °C	16.10		
Redox Potential Eh (mV)	291		
Turbidity (NTU)	6.7		

Time	0737	Gal. Purged	88
Conductance	3802	pH	6.74
Temp. °C	16.10		
Redox Potential Eh (mV)	292		
Turbidity (NTU)	6.6		

Time	0738	Gal. Purged	99
Conductance	3795	pH	6.75
Temp. °C	16.10		
Redox Potential Eh (mV)	292		
Turbidity (NTU)	6.5		

Volume of Water Purged: 99 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.27

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

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

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

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: 68.50 Sample Time: 0711

See instruction

Comment

Arrived on site at 0725 Tanner and Garrin present for purge. Purge began at 0729 Purged well for a total of 9 minutes, water was clear. Purge ended at 0738. Left site at 0740
Arrived on site at 0707 Tanner and Garrin present to collect samples. Depth to water was 59.80 samples bailed and collected at 0711 Left site at 0713

TW4-21 09-11-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-22

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-22_09032013

Date and Time for Purging: 9/3/2013 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-24

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 113.50

Depth to Water Before Purging: 57.50

Casing Volume (V) 4" Well: 36.56 (.653h)
3" Well: J (.367h)

Conductance (avg): 6097

pH of Water (avg): 6.94

Well Water Temp. (avg): 17.10

Redox Potential (Eh): 254

Turbidity: 0.5

Weather Cond.: Cloudy

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

Time	1304	Gal. Purged	0
Conductance	6097	pH	6.94
Temp. °C	17.10		
Redox Potential Eh (mV)	254		
Turbidity (NTU)	0.5		

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 = 18.50

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

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

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

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

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

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

Final Depth: 73.41

Sample Time: ~~1205~~ 1305

See instruction

Comment

Arrived on site at 1259. Tanner and Garrin Present ~~for pu~~ to collect samples. Samples collected at ~~1205~~ 1305. Left site at 1307. water was clear

Continuous Pumping Well

TW4-22 09-03-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-23

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-23_09052013

Date and Time for Purging: 9/4/2013 and Sampling (if different): 9/5/2013

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-31

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: 64.40

Casing Volume (V) 4" Well: 32.38 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3652

pH of Water (avg): 6.17

Well Water Temp. (avg): 14.35

Redox Potential (Eh): 208

Turbidity: 69

Weather Cond.: Cloudy

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

Time	0753	Gal. Purged	55
Conductance	3663	pH	6.21
Temp. °C	14.35		
Redox Potential Eh (mV)	201		
Turbidity (NTU)	70		

Time	0754	Gal. Purged	66
Conductance	3659	pH	6.16
Temp. °C	14.36		
Redox Potential Eh (mV)	207		
Turbidity (NTU)	71		

Time	0755	Gal. Purged	77
Conductance	3645	pH	6.15
Temp. °C	14.36		
Redox Potential Eh (mV)	211		
Turbidity (NTU)	69		

Time	0756	Gal. Purged	88
Conductance	3644	pH	6.17
Temp. °C	14.36		
Redox Potential Eh (mV)	213		
Turbidity (NTU)	67		

Volume of Water Purged: 88 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 5.88

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

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

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

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

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

Final Depth: 84.50 Sample Time: 0704

See instruction

Comment

Arrived on site at 0745 Tanner and Garrin present for purge. Purge began at 0748 Purged well for a total of 8 minutes. water had a slight orange coloration. Purge ended at 0756. Left site at 0800

Arrived on site at 0659 Tanner and Garrin present to collect samples. Depth to water was 64.48 samples bailed and collected at 0704 Left site at 0706

TW4-23 09-04-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-24

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-24_09032013

Date and Time for Purging: 9/3/2013 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): Continuous

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-25

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 112.50

Depth to Water Before Purging: 65.70

Casing Volume (V) 4" Well: 30.56 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 8247

pH of Water (avg): 6.73

Well Water Temp. (avg): 17.11

Redox Potential (Eh): 254

Turbidity: 0

Weather Cond.: Cloudy

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

Time	1254	Gal. Purged	5
Conductance	8247	pH	6.73
Temp. °C	17.11		
Redox Potential Eh (mV)	254		
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 = [18.4]

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

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

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

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

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

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

Final Depth [68.13] Sample Time [1255]

See instruction

Comment

Arrived on site at 1248. Tanner and Garrin present to collect samples.
samples collected at 1255. Left site at 1257. water was clear

Continuous Pumping well

TW4-24 09-03-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-25_09032013

Date and Time for Purging: 9/3/2013 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-19

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 134.80

Depth to Water Before Purging: 65.90

Casing Volume (V) 4" Well: 44.99 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 2895

pH of Water (avg): 7.27

Well Water Temp. (avg): 16.97

Redox Potential (Eh): 275

Turbidity: 0.8

Weather Cond.: Cloudy

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

Time	1239	Gal. Purged	0
Conductance	2895	pH	7.27
Temp. °C	16.97		
Redox Potential Eh (mV)	275		
Turbidity (NTU)	0.8		

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 = 18.0

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

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

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

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

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

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

Final Depth: 75.91 Sample Time: 1240

See instruction

Comment

Arrived on site at 1233. Tanner and Garrin Present to collect samples.
samples collected at 1240 water was clear Left site at 1242

Continuous Pumping Well

TW4-25 09-03-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-26

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: TW4-26_09052013

Date and Time for Purging: 9/4/2013 and Sampling (if different): 9/5/2013

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-16

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 86.00

Depth to Water Before Purging: 62.86

Casing Volume (V) 4" Well: 15.1 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 6405

pH of Water (avg): 4.00

Well Water Temp. (avg): 15.76

Redox Potential (Eh): 442

Turbidity: 75

Weather Cond.: Sunny

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

Time	1029	Gal. Purged	18
Conductance	6405	pH	4.00
Temp. °C	15.76		
Redox Potential Eh (mV)	442		
Turbidity (NTU)	75		

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

Time	0741	Gal. Purged	0
Conductance	6307	pH	4.22
Temp. °C	16.01		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	0749	Gal. Purged	0
Conductance	6291	pH	4.25
Temp. °C	16.00		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged Before: 18 gallon(s) After

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 2.74

Number of casing volumes evacuated (if other than two): 1.25

If well evacuated to dryness, number of gallons evacuated: 18

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

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

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

Final Depth: 84.45

Sample Time: 0748

0748

See instruction

Comment

Arrived on site at 1025 Tanner and Garrin present for purge. Purge began at 1028 Purged well for a total of 1 minute 45 seconds. Purged well dry. water was murky Purge ended at 1030. Left site at 1033.
Arrived on site at 0743 Tanner and Garrin present to collect samples. Depth to water was 62.96 Samples bailed and collected at 0748 Left site at 0750

TW4-26 09-04-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-27

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-27_08292013

Date and Time for Purging: 8/28/2013 and Sampling (if different): 8/29/2013

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-14

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 96.00

Depth to Water Before Purging: 81.30

Casing Volume (V) 4" Well: 9.59 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 5375

pH of Water (avg): 7.00

Well Water Temp. (avg): 16 86

Redox Potential (Eh): 264

Turbidity: 157

Weather Cond.: Sunny

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

Time	1303	Gal. Purged	11
Conductance	5375	pH	7.00
Temp. °C	16.86		
Redox Potential Eh (mV)	264		
Turbidity (NTU)	157		

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

Time	0734	Gal. Purged	0
Conductance	5375	pH	6.81
Temp. °C	15.27		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	0736	Gal. Purged	0
Conductance	5367	pH	6.84
Temp. °C	15.29		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged: Before [11] gallon(s) After

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [1.74]

Number of casing volumes evacuated (if other than two) [1.14]

If well evacuated to dryness, number of gallons evacuated [11]

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

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

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

Final Depth [94.34] Sample Time [0735]

See instruction

Comment

Arrived on site at 1259 Tanner and Garrin present for purge. Purge began at 1302 Purged well for a total of 1 minute. Purged well dry! water was a milky white color. Purge ended at 1303. Left site at 1306
Arrived on site at 0731 Tanner and Garrin present to collect samples. Depth to water was 81.75 samples bailed and collected at 0735 Left site at 0737

TW4-27 08-28-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-28

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-28_08292013

Date and Time for Purging: 8/28/2013 and Sampling (if different): 8/29/2013

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-27

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 107.00

Depth to Water Before Purging: 36.75

Casing Volume (V) 4" Well: 45.87 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 1163

pH of Water (avg): 7.23

Well Water Temp. (avg): 16.64

Redox Potential (Eh): 292

Turbidity: 18.7

Weather Cond.: Sunny

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

Time	1337	Gal. Purged	66
Conductance	1158	pH	7.24
Temp. °C	16.72		
Redox Potential Eh (mV)	295		
Turbidity (NTU)	18.9		

Time	1338	Gal. Purged	77
Conductance	1171	pH	7.24
Temp. °C	16.60		
Redox Potential Eh (mV)	294		294
Turbidity (NTU)	19		19

Time	1339	Gal. Purged	88
Conductance	1165	pH	7.25
Temp. °C	16.63		
Redox Potential Eh (mV)	291		
Turbidity (NTU)	19		

Time	1340	Gal. Purged	99
Conductance	1161	pH	7.22
Temp. °C	16.64		
Redox Potential Eh (mV)	290		
Turbidity (NTU)	18.2		

Volume of Water Purged [99] gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [8.34]

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 Labs [AWAL]

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

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

Final Depth [103.02] Sample Time [0743]

See instruction

Comment

Arrived on site at 1328 Tanner and Garrin present for purge. Purge began at 1331 Purged well for a total of 9 minutes. water was a little murky. Purge ended at 1340. Left site at 1344

Arrived on site at 0739 Tanner and Garrin present to collect samples. Depth to water was 36.83 samples bailed and collected at 0743 Left site at 0745

TW4-28 08-28-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-29

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: ~~TW4-[illegible]~~ TW4-29_09122013

Date and Time for Purging: 9/11/2013 and Sampling (if different): 9/12/2013

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-18

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 93.50

Depth to Water Before Purging: 81.25

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

Conductance (avg): 5304

pH of Water (avg): 6.36

Well Water Temp. (avg): 15.43

Redox Potential (Eh): 386

Turbidity: 29.6

Weather Cond.: Cloudy

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

Time	0700	Gal. Purged	11
Conductance	5304	pH	6.36
Temp. °C	15.43		
Redox Potential Eh (mV)	386		
Turbidity (NTU)	29.6		

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

Time	0659	Gal. Purged	0
Conductance	5295	pH	6.72
Temp. °C	15.38		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	0658	Gal. Purged	0
Conductance	5285	pH	6.69
Temp. °C	15.37		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged Before [11] gallon(s) After

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [1.45]

Number of casing volumes evacuated (if other than two) [1.37]

If well evacuated to dryness, number of gallons evacuated [11]

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

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

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

Final Depth [92.03] Sample Time [0657]

See instruction

Comment

Arrived on site at 0655 Tanner and Garrin present for purge. Purge began at 0659. Purged well for 1 minute. Purged well dry. water was mostly clear. Purge ended at 0700. Left site at 0703
Arrived on site at 0653 Tanner and Garrin present to collect samples, Depth to water was 81.56 Samples bailed at 0657 Left site at 0659

TW4-29 09-11-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013 Resample

Location (well name): TW4-29

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: TW4-29_09262013

Date and Time for Purging: 9/25/2013 and Sampling (if different): 9/26/2013

Well Purging Equip Used: [X] pump or [ ] bailer Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform 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): 93.50

Depth to Water Before Purging: 71.78 Casing Volume (V) 4" Well: 14.18 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 9307 pH of Water (avg): 6.64

Well Water Temp. (avg): 15.24 Redox Potential (Eh): 248 Turbidity: 44

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

Time	0906	Gal. Purged	18
Conductance	4307	pH	6.64
Temp. °C	15.24		
Redox Potential Eh (mV)	248		
Turbidity (NTU)	44		

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

Time	0713	Gal. Purged	0
Conductance	4258	pH	6.26
Temp. °C	15.32		
Redox Potential Eh (mV)	~~437~~.		
Turbidity (NTU)			

Before

Time	0714	Gal. Purged	0
Conductance	4251	pH	6.31
Temp. °C	15.35		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 18 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 2.57

Number of casing volumes evacuated (if other than two): 1.26

If well evacuated to dryness, number of gallons evacuated: 18

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

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

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

Final Depth: 92.01 Sample Time: 0713

See instruction

Comment

Arrived on site at 0900 Tanner, Garrin and David present for purge. Purge began at 0905 Purged well for a total of 1 minute 40 seconds, water was murky. Purged well dry! Purge ended at 0906. Left site at 0909 Arrived on site at 0708 Tanner and Garrin Present to collect samples. Depth to water was 71.70 samples bailed and collected at 0713 Left site at 0715

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

See instruction

Description of Sampling Event: 3rd Qu.-ter Chloroform 2013

Location (well name): TW4-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-30_08292013

Date and Time for Purging: 8/28/2013 and Sampling (if different): 8/29/2013

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-28

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 92.50

Depth to Water Before Purging: 77.66

Casing Volume (V) 4" Well: 9.69 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 4405

pH of Water (avg): 5.75

Well Water Temp. (avg): 16.78

Redox Potential (Eh): 339

Turbidity: 36

Weather Cond.: Sunny

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

Time	1429	Gal. Purged	11
Conductance	4405	pH	5.45
Temp. °C	16.78		
Redox Potential Eh (mV)	339		
Turbidity (NTU)	36		

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

Time	0751	Gal. Purged	0
Conductance	4458	pH	5.55
Temp. °C	15.97		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	0753	Gal. Purged	0
Conductance	4429	pH	5.54
Temp. °C	15.96		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged Before [11] gallon(s) After

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [1.76]

Number of casing volumes evacuated (if other than two) [1.13]

If well evacuated to dryness, number of gallons evacuated [11]

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

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

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

Final Depth [90.31] Sample Time [0751]

See instruction

Comment

Arrived on site at 1424 Tanner and Garrin present for purge. Purge began at 1428 Purged well for 1 minute. Purged well dry! water was a little murky. Purge ended at 1429. Left site at 1434

Arrived on site at 0747 Tanner and Garrin present to collect samples. Depth to water was 77.80 samples bailed and collected at 0751 Left site at 0754

TW4-30 08-28-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter chloroform 2013

Location (well name): TW4-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-31_09052013

Date and Time for Purging: 9/4/2013 and Sampling (if different): 9/5/2013

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

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): 106.00

Depth to Water Before Purging: 83.76

Casing Volume (V) 4" Well: 14.52 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 4969

pH of Water (avg): 6.97

Well Water Temp. (avg): 15.75

Redox Potential (Eh): 332

Turbidity: 365

Weather Cond.: Cloudy

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

Time	0718	Gal. Purged	18
Conductance	4969	pH	6.97
Temp. °C	15.75		
Redox Potential Eh (mV)	332		
Turbidity (NTU)	365		

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

Time	0654	Gal. Purged	0
Conductance	4795	pH	6.93
Temp. °C	15.91		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	0656	Gal. Purged	0
Conductance	4803	pH	6.92
Temp. °C	15.98		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged Before: 18 gallon(s) After

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 2.64

Number of casing volumes evacuated (if other than two) 1.23

If well evacuated to dryness, number of gallons evacuated 18

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 104.58 Sample Time 0655

See instruction

Comment

Arrived on site at 0711 Tanner and Garrin present for purge, Purge began at 0716 Purge well for a total of 1 minute and 40 seconds. Purged well dry. Purge ended at 0718. Left site at 0720. water had small sand particles floating and a little murky. Arrived on site at 0651 Tanner and Garrin present to collect samples. Depth to water was 83.80 samples bailed and collected at 0655 Left site at 0657

TW4-31 09-04-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-60

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-60_09122013

Date and Time for Purging: 9/12/2013 and Sampling (if different): N/A

Well Purging Equip Used: ☐ pump or ☐ bailer Well Pump (if other than Bennet): N/A

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform Prev. Well Sampled in Sampling Event: TW4-02

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm Well Depth(0.01ft): 0

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

Conductance (avg): 0.5 pH of Water (avg): 7.83

Well Water Temp. (avg): 23.23 Redox Potential (Eh): 161 Turbidity: 0

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

Time: 0844	Gal. Purged: 0	Time:	Gal. Purged:
Conductance: 0.5	pH: 7.83	Conductance:	pH:
Temp. °C: 23.23		Temp. °C:	
Redox Potential Eh (mV): 161		Redox Potential Eh (mV):	
Turbidity (NTU): 0		Turbidity (NTU):	
Time:	Gal. Purged:	Time:	Gal. Purged:
Conductance:	pH:	Conductance:	pH:
Temp. °C:		Temp. °C:	
Redox Potential Eh (mV):		Redox Potential Eh (mV):	
Turbidity (NTU):		Turbidity (NTU):	

Volume of Water Purged [0] gallon(s)

Pumping Rate Calculation

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

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

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

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

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

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

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

Final Depth [0] Sample Time [0845]

See instruction

Comment

D.I. Blank

TW4-60 09-12-2013 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-65_08292013

Date and Time for Purging: 8/28/2013 and Sampling (if different): 8/29/2013

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

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): 141.00

Depth to Water Before Purging: ~~1640~~ 51.70

Casing Volume (V) 4" Well: 58.31 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 1640

pH of Water (avg): 6.81

Well Water Temp. (avg): 14.78

Redox Potential (Eh): 272

Turbidity: 14.6

Weather Cond.: Partly Cloudy

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

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

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

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

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

Volume of Water Purged: 91 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 10.60

Number of casing volumes evacuated (if other than two): 1.56

If well evacuated to dryness, number of gallons evacuated: 91

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

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

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

Final Depth: 139.83 Sample Time: 0700

See instruction

Comment

Duplicate of TW4-03

TW4-65 08-28-2013 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Chloroform 2013

Location (well name): TW4-70

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-70_09052013

Date and Time for Purging: 9/4/2013 and Sampling (if different): 9/5/2013

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-23

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 125.00

Depth to Water Before Purging: 65.04

Casing Volume (V): 4" Well: 39.15 (.653h); 3" Well: 0 (.367h)

Conductance (avg): 3277

pH of Water (avg): 6.83

Well Water Temp. (avg): 15.03

Redox Potential (Eh): 140

Turbidity: 257

Weather Cond.: Cloudy

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

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

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

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

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

Volume of Water Purged: 99 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.11

Number of casing volumes evacuated (if other than two): 3

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

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

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

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

Final Depth: 72 · 75.25

Sample Time: 0710

See instruction

Comment

Duplicate of TW4-08

TW4-70 09-04-2013 Do not touch this cell (SheetName)

Tab C

Weekly and Monthly Depth to Water Data

Weekly Inspection Form

Date 7/2/13 **Name** Garrin / Tanner

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1326	MW-4	74.48	Flow 4.3 GPM	(Yes) No
			Meter 135075.20	(Yes) No
1322	MW-26	61.60	Flow 10.6 GPM	(Yes) No
			Meter 338555.37	(Yes) No
1405	TW4-19	64.72	Flow 14.0 GPM	(Yes) No
			Meter 1272809.03	(Yes) No
1317	TW4-20	59.86	Flow 8.5 GPM	(Yes) No
			Meter 573332.21	(Yes) No
1329	TW4-4	70.86	Flow 8.3 GPM	(Yes) No
			Meter 129096.50	(Yes) No
1300	TWN-2	31.70	Flow 18.6 GPM	(Yes) No
			Meter 94281.50	(Yes) No
1313	TW4-22	56.54	Flow 18.0 GPM	(Yes) No
			Meter 44201.40	(Yes) No
1308	TW4-24	70.02	Flow 10.2 GPM	(Yes) No
			Meter 355368.02	(Yes) No
1252	TW4-25	60.70	Flow 18.2 GPM	(Yes) No
			Meter 267987.50	(Yes) No

Operational Problems (Please list well number): TW4-24, TW4-20 Flow rate dropped from previous weeks because multiple wells were pumping at the same time.

Corrective Action(s) Taken (Please list well number): changed timer on TW4-24, will continue to monitor flow rates.

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 7/8/13 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0949	MW-4	67.76	Flow 4.3	(Yes) No
			Meter 1393683.1	(Yes) No
0945	MW-26	62.90	Flow 10.2	(Yes) No
			Meter 340135.41	(Yes) No
1030	TW4-19	70.02	Flow 14.0 GPM	(Yes) No
			Meter 1297686.00	(Yes) No
0940	TW4-20	60.65	Flow 9.8	(Yes) No
			Meter 5745650.60	(Yes) No
0953	TW4-4	~~70.90~~	Flow 8.0	(Yes) No
		67.65	Meter 132891.90	(Yes) No
0927	TWN-2	34.70	Flow 18.5	(Yes) No
			Meter 87258.30	(Yes) No
0936	TW4-22	56.86	Flow 18.2	(Yes) No
			Meter 45818.60	(Yes) No
0932	TW4-24	64.40	Flow 18.1	(Yes) No
			Meter 3705207.0	(Yes) No
0922	TW4-25	75.88	Flow 18.2	(Yes) No
			Meter 267029.40	(Yes) No

Operational Problems (Please list well number): _____

Corrective Action(s) Taken (Please list well number): _____

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 7/15/13 **Name** Garrin Palmer

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1314	MW-4	76.15	Flow 4.3 GPM	(Yes) No
			Meter 144860.68	(Yes) No
1309	MW-26	62.52	Flow 10.0 GPM	(Yes) No
			Meter 342107.98	(Yes) No
1345	TW4-19	61.14	Flow 14.00 GPM	(Yes) No
			Meter 1327592.06	(Yes) No
1306	TW4-20	60.71	Flow 8.4 GPM	(Yes) No
			Meter 576053.01	(Yes) No
1317	TW4-4	71.40	Flow 7.5 GPM	(Yes) No
			Meter 137591.00	(Yes) No
1254	TWN-2	32.00	Flow 19.1 GPM	(Yes) No
			Meter 90991.30	(Yes) No
1302	TW4-22	56.75	Flow 18.4 GPM	(Yes) No
			Meter 47973.60	(Yes) No
1258	TW4-24	64.20	Flow 18.6 GPM	(Yes) No
			Meter 390788.20	(Yes) No
1250	TW4-25	61.15	Flow 18.8 GPM	(Yes) No
			Meter 278026.04	(Yes) No

Operational Problems (Please list well number): _____

Corrective Action(s) Taken (Please list well number): _____

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 7/23/13 **Name** Garrin Palmer

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1310	MW-4	72.63	Flow 3.1 GPM	(Yes) No
			Meter 150968.83	(Yes) No
1306	MW-26	63.20	Flow 10.0 GPM	(Yes) No
			Meter 344368.20	(Yes) No
1425	TW4-19	66.37	Flow 14.0 GPM	(Yes) No
			Meter 1361881.09	(Yes) No
1301	TW4-20	61.20	Flow 8.9 GPM	(Yes) No
			Meter 577710.41	(Yes) No
1315	TW4-4	82.60	Flow 8.0 GPM	(Yes) No
			Meter 142828.50	(Yes) No
1240	TWN-2	32.65	Flow 18.7 GPM	(Yes) No
			Meter 95031.90	(Yes) No
1255	TW4-22	57.00	Flow 17.6 GPM	(Yes) No
			Meter 50065.10	(Yes) No
1249	TW4-24	64.60	Flow 18.0 GPM	(Yes) No
			Meter 413128.70	(Yes) No
1233	TW4-25	65.17	Flow 18.0 GPM	(Yes) No
			Meter 290318.80	(Yes) No

Operational Problems (Please list well number): _____

Corrective Action(s) Taken (Please list well number): _____

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 7/29/13 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1234	MW-4	67.79	Flow 3.2 GPM	(Yes) No
			Meter 155420.64	(Yes) No
1230	MW-26	67.17	Flow 10.2 GPM	(Yes) No
			Meter 345972.90	(Yes) No
1307 ~~1237~~	TW4-19	~~76.43~~ ~~70.43~~	Flow 14.0 GPM	(Yes) No
			Meter 1386264.00	(Yes) No
1226	TW4-20	61.80	Flow 9.8 GPM	(Yes) No
			Meter 578073.90	(Yes) No
1237	TW4-4	70.10	Flow 8.0 GPM	(Yes) No
			Meter 146845.34	(Yes) No
1213	TWN-2	59.03	Flow 18.6 GPM	(Yes) No
			Meter 98247.70	(Yes) No
1222	TW4-22	57.13	Flow 18.0 GPM	(Yes) No
			Meter 51615.84	(Yes) No
1218	TW4-24	64.98	Flow 18.0 GPM	(Yes) No
			Meter 429975.36	(Yes) No
1209	TW4-25	68.90	Flow 18.1 GPM	(Yes) No
			Meter 299418.40	(Yes) No

Operational Problems (Please list well number): _____

Corrective Action(s) Taken (Please list well number): _____

* Depth is measured to the nearest 0.01 feet.

Monthly Depth Check Form

Date 7/30/13 **Name** Garnin Palmer, Tanner Halliday

Time	Well	Depth*	Time	Well	Depth*
0636	MW-4	67.76	0631	TWN-1	56.11
0639	TW4-1	64.35	0639	TWN-2	37.24
0635	TW4-2	65.60	0641	TWN-3	37.56
0712	TW4-3	51.65	0646	TWN-4	48.22
0641	TW4-4	69.82	0653	TWN-7	87.00
0716	TW4-5	59.35	0643	TWN-18	58.62
0642	TW4-6	69.35	0650	MW-27	52.51
0637	TW4-7	65.16	0719	MW-30	75.35
0710	TW4-8	65.12	0715	MW-31	67.45
0714	TW4-9	57.09	0651	TW4-28	36.78
0718	TW4-10	57.42	0659	TW4-29	72.15
0633	TW4-11	57.11	0702	TW4-30	77.90
0649	TW4-12	42.10		TW4-31	84.01
0653	TW4-13	47.50			
0655	TW4-14	85.60			
0708	TW4-15	63.21			
0710	TW4-16	60.60			
0712	TW4-17	73.92			
0633	TW4-18	59.96			
0730	TW4-19	60.30			
0705	TW4-20	61.25			
0637	TW4-21	59.64			
0702	TW4-22	57.15			
0708	TW4-23	64.36			
0658	TW4-24	64.01			
0628	TW4-25	57.13			
0644	TW4-26	62.84			
0657	TW4-27	81.52			

Comments: (Please note the well number for any comments)

Some times may be the same because depths were taken simultaneously.

* Depth is measured to the nearest 0.01 feet

Weekly Inspection Form

Date 8/5/13 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1259	MW-4	68.01	Flow 3.2 GPM	(Yes) No
			Meter 160969.65	(Yes) No
1256	MW-26	75.74	Flow 10.5 GPM	(Yes) No
			Meter 347880.63	(Yes) No
1316	TW4-19	60.44	Flow 14.0 GPM	(Yes) No
			Meter 1412339.00	(Yes) No
1252	TW4-20	62.86	Flow 10.4 GPM	(Yes) No
			Meter ~~580463.08~~ 580463.08	(Yes) No
1303	TW4-4	70.04	Flow 8.2 GPM	(Yes) No
			Meter 151513.00	(Yes) No
1440	TWN-2	32.19	Flow 18.6 GPM	(Yes) No
			Meter 101856.60	(Yes) No
1448	TW4-22	57.55	Flow 18.4 GPM	(Yes) No
			Meter 53667.30	(Yes) No
1445	TW4-24	65.10	Flow 18.0 GPM	(Yes) No
			Meter 449282.10	(Yes) No
1428	TW4-25	57.95	Flow 18.6 GPM	(Yes) No
			Meter 310252.90	(Yes) No

Operational Problems (Please list well number): _____

Corrective Action(s) Taken (Please list well number): _____

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 8/12/13 **Name** Garrin Palmer, Paul Halliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1246	MW-4	67.84	Flow 3.3 GPM	(Yes) No
			Meter 166100.21	(Yes) No
1243	MW-26	65.68	Flow 10.1 GPM	(Yes) No
			Meter 349648.06	(Yes) No
1325	TW4-19	66.42	Flow 14.0 GPM	(Yes) No
			Meter 1440777.00	(Yes) No
1240	TW4-20	62.13	Flow 10.5 GPM	(Yes) No
			Meter 581902.16	(Yes) No
1250	TW4-4	70.42	Flow 8.0 GPM	(Yes) No
			Meter 156111.20	(Yes) No
1227	TWN-2	35.70	Flow 18.6 GPM	(Yes) No
			Meter 105458.30	(Yes) No
1236	TW4-22	57.35	Flow 18.4 GPM	(Yes) No
			Meter 55053	(Yes) No
1232	TW4-24	65.19	Flow 18.0 GPM	(Yes) No
			Meter 468224.80	(Yes) No
1223	TW4-25	73.30	Flow 18.4 GPM	(Yes) No
			Meter 320963.90	(Yes) No

Operational Problems (Please list well number): _____

Corrective Action(s) Taken (Please list well number): _____

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 8/19/2013 **Name** Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1355	MW-4	68.01	Flow 3.4	(Yes) No
			Meter 171561.92	(Yes) No
1350	MW-26	[illegible]	Flow 10.5	(Yes) No
		70.13	Meter 351525.82	(Yes) No
1415	TW4-19	67.13	Flow 14.0	(Yes) No
			Meter 1469844.04	(Yes) No
1345	TW4-20	62.45	Flow 10.3	(Yes) No
			Meter 583345.08	(Yes) No
1358	TW4-4	69.93	Flow 8.0	(Yes) No
			Meter 160983.4	(Yes) No
1409	TWN-2	33.21	Flow 18.5	(Yes) No
			Meter 105953.8	(Yes) No
3342	TW4-22	65.15	Flow 18.4	(Yes) No
			Meter 57377.9	(Yes) No
1339	TW4-24	64.03	Flow 18.0	(Yes) No
			Meter 487124.7	(Yes) No
1405	TW4-25	60.53	Flow 18.3	(Yes) No
			Meter 331320.2	(Yes) No

Operational Problems (Please list well number): _____

Corrective Action(s) Taken (Please list well number): _____

* Depth is measured to the nearest 0.01 feet.

Monthly Depth Check Form

Date 8/23/13 **Name** Garrin Palmer

Time	Well	Depth*	Time	Well	Depth*
1016	MW-4	76.70	0934	TWN-1	56.33
1019	TW4-1	64.35	0954	TWN-2	33.13
1048	TW4-2	65.55	0931	TWN-3	37.57
1012	TW4-3	51.65	0925	TWN-4	48.50
1020	TW4-4	71.38	1253	TWN-7	87.04
1009	TW4-5	59.50	0927	TWN-18	58.64
1021	TW4-6	69.20	1250	MW-27	52.50
1017	TW4-7	65.20	1300	MW-30	75.32
1014	TW4-8	65.05	1302	MW-31	67.31
1011	TW4-9	57.22	1037	TW4-28	36.74
1007	TW4-10	57.55	1028	TW4-29	72.00
1047	TW4-11	57.55	1029	TW4-30	77.70
1039	TW4-12	42.07	1031	TW4-31	83.77
1035	TW4-13	47.21			
1033	TW4-14	85.36			
1005	TW4-15	63.78			
1305	TW4-16	60.90			
1308	TW4-17	73.90			
0936	TW4-18	60.21			
1100	TW4-19	68.60			
1003	TW4-20	62.35			
0938	TW4-21	60.20			
1002	TW4-22	57.03			
1043	TW4-23	64.30			
1000	TW4-24	65.28			
0941	TW4-25	63.32			
1022	TW4-26	62.76			
1026	TW4-27	81.30			

Comments: (Please note the well number for any comments)

* Depth is measured to the nearest 0.01 feet

Weekly Inspection Form

Date 8/26/13 **Name** Garrin Palmer, Tanner Halliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1344	MW-4	69.20	Flow 3.1 GPM	(Yes) No
			Meter 176934.09	(Yes) No
1340	MW-26	63.39	Flow 10.4 GPM	(Yes) No
			Meter 353425.74	(Yes) No
1440	TW4-19	64.86	Flow 14.0 GPM	(Yes) No
			Meter 1499215.00	(Yes) No
1338	TW4-20	62.34	Flow 10.0 GPM	(Yes) No
			Meter 584883.25	(Yes) No
1348	TW4-4	71.46	Flow 8.1 GPM	(Yes) No
			Meter 165672.10	(Yes) No
1320	TWN-2	32.80	Flow 18.6 GPM	(Yes) No
			Meter 112530.30	(Yes) No
1333	TW4-22	57.34	Flow 18.4 GPM	(Yes) No
			Meter 58729.40	(Yes) No
1328	TW4-24	75.10	Flow 17.9 GPM	(Yes) No
			Meter 502614.00	(Yes) No
1300	TW4-25	60.15	Flow 18.0 GPM	(Yes) No
			Meter 341824.80	(Yes) No

Operational Problems (Please list well number): _____

Corrective Action(s) Taken (Please list well number): _____

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 9/3/13 **Name** Corrin Palmer

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1332	MW-4	69.71	Flow 3.3 GPM	(Yes) No
			Meter ~~3.3 GPM~~ GD 182330.60	(Yes) No
1325	MW-26	63.30	Flow 10.4 GPM	(Yes) No
			Meter 355245.76	(Yes) No
1140	TW4-19	59.22	Flow 14.0 GPM	(Yes) No
			Meter 1506246.00	(Yes) No
1312	TW4-20	61.30	Flow 9.6 GPM	(Yes) No
			Meter 586204.75	(Yes) No
1339	TW4-4	68.04	Flow 8.0 GPM	(Yes) No
			Meter 170393.70	(Yes) No
1245	TWN-2	30.20	Flow 18.7 GPM	(Yes) No
			Meter 116725.0	(Yes) No
1303	TW4-22	57.50	Flow 18.5	(Yes) No
			Meter 60602.00	(Yes) No
1252	TW4-24	65.70	Flow 18.4 GPM	(Yes) No
			Meter 524637.00	(Yes) No
1235	TW4-25	65.90	Flow 18.0 GPM	(Yes) No
			Meter 353884.76	(Yes) No

Operational Problems (Please list well number): _____

Corrective Action(s) Taken (Please list well number): _____

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 9/9/13 **Name** Garrin Palmer

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1223	MW-4	67.98	Flow 3.4 GPM	(Yes) No
			Meter 186847.91	(Yes) No
1231	MW-26	66.72	Flow 10.1 GPM	(Yes) No
			Meter 356982.86	(Yes) No
1308	TW4-19	65.96	Flow 14.0 GPM	(Yes) No
			Meter 1533900.00	(Yes) No
1236	TW4-20	61.85	Flow 9.8 GPM	(Yes) No
			Meter 587563.47	(Yes) No
1226	TW4-4	69.10	Flow 8.6 GPM	(Yes) No
			Meter 174228.40	(Yes) No
1200	TWN-2	29.60	Flow 18.5 GPM	(Yes) No
			Meter 119042.30	(Yes) No
1242	TW4-22	57.50	Flow 18.1 GPM	(Yes) No
			Meter 62381.40	(Yes) No
1247	TW4-24	65.60	Flow 18.0 GPM	(Yes) No
			Meter 542200.10	(Yes) No
1152	TW4-25	57.85	Flow 18.0 GPM	(Yes) No
			Meter 362699.80	(Yes) No

Operational Problems (Please list well number): _____

Corrective Action(s) Taken (Please list well number): _____

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 9/17/13 **Name** Garrin Palmer

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1027	MW-4	70.52	Flow 3.4 GPM	(Yes) No
			Meter 193118.14	(Yes) No
1022	MW-26	62.48	Flow 10.5 GPM	(Yes) No
			Meter 359096.11	(Yes) No
1500	TW4-19	59.64	Flow 14.0 GPM	(Yes) No
			Meter 1543673.00	(Yes) No
1018	TW4-20	61.11	Flow 9.6 GPM	(Yes) No
			Meter 589192.80	(Yes) No
1031	TW4-4	69.20	Flow 8.0 GPM	(Yes) No
			Meter 179735.30	(Yes) No
1248	TWN-2	32.12	Flow 18.5 GPM	(Yes) No
			Meter 124170.60	(Yes) No
1014	TW4-22	57.70	Flow 18.2 GPM	(Yes) No
			Meter 64429.10	(Yes) No
1010	TW4-24	68.98	Flow 18.0 GPM	(Yes) No
			Meter 564631.00	(Yes) No
1243	TW4-25	70.62	Flow 18.3 GPM	(Yes) No
			Meter 374768.90	(Yes) No

Operational Problems (Please list well number): Breaker was tripped on TW4-19.

Corrective Action(s) Taken (Please list well number): Breaker was re-set and well is pumping normally.

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

4.3
3/2/16

Date 9/23/13 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1239	MW-4	67.45	Flow 3.3 GPM	(Yes) No
			Meter 196953.83	(Yes) No
1236	MW-26	66.70	Flow 10.2 GPM	(Yes) No
			Meter 360821.30	(Yes) No
1301	TW4-19	70.32	Flow 14.0 GPM	(Yes) No
			Meter 156157.00	(Yes) No
1232	TW4-20	61.30	Flow 10.4 GPM	(Yes) No
			Meter 590149.26	(Yes) No
1244	TW4-4	69.04	Flow 8.0 GPM	(Yes) No
			Meter 183021.50	(Yes) No
1218	TWN-2	28.50	Flow 18.7 GPM	(Yes) No
			Meter 126886.40	(Yes) No
1229	TW4-22	57.78	Flow 18.4 GPM	(Yes) No
			Meter 65899.70	(Yes) No
1225	TW4-24	66.04	Flow 18.0 GPM	(Yes) No
			Meter 580019.40	(Yes) No
1213	TW4-25	101.46	Flow 18.0 GPM	(Yes) No
			Meter 382255.00	(Yes) No

Operational Problems (Please list well number): _____

Corrective Action(s) Taken (Please list well number): _____

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 9/30/2013 **Name** Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1314	MW-4	68.01	Flow 3.4	Yes No
			Meter 202592.15	Yes No
1310	MW-26	75.69	Flow 10.1	Yes No
			Meter 362324.24	Yes No
1400	TW4-19	72.55	Flow 14.0	Yes No
			Meter 1570324.05	Yes No
1306	TW4-20	60.15	Flow 10.4	Yes No
			Meter 591621.36	Yes No
1317	TW4-4	70.03	Flow 8.0	Yes No
			Meter 187835.60	Yes No
1255	TWN-2	34.39	Flow 18.5	Yes No
			Meter 13062520	Yes No
1303	TW4-22	59.11	Flow 18.4	Yes No
			Meter 67793.50	Yes No
1300	TW4-24	64.13	Flow 18.0	Yes No
			Meter 600055.40	Yes No
1250	TW4-25	66.23	Flow 18.0	Yes No
			Meter 392521.22	Yes No

Operational Problems (Please list well number): _____

Corrective Action(s) Taken (Please list well number): _____

* Depth is measured to the nearest 0.01 feet.

Tab D

Kriged Current Quarter Groundwater Contour Map, Details Map, and Depth to Water Summary

Name: Garrin Palmer, Tanner Holliday
Date: 9/27/2013

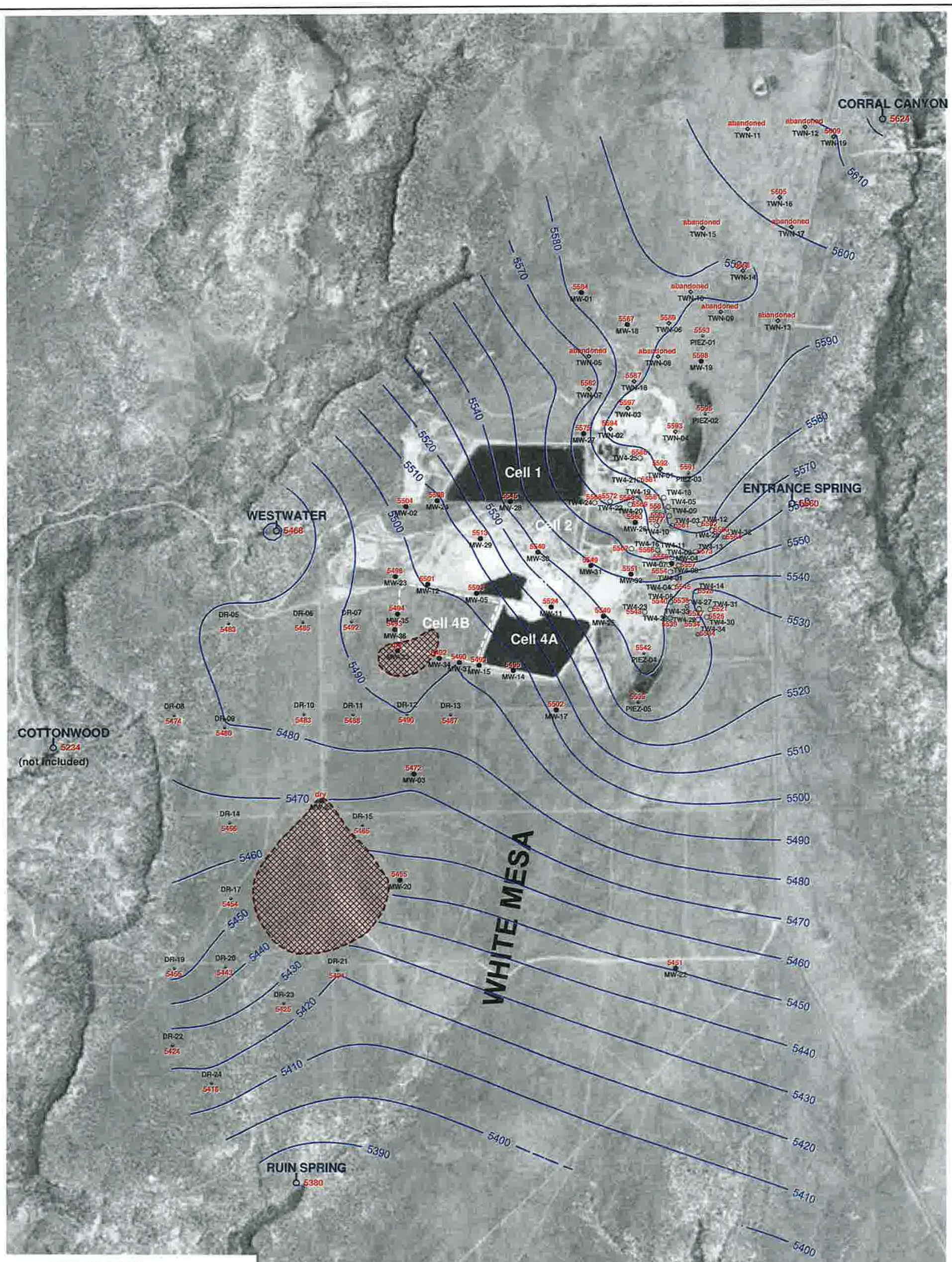
TIME	WELL	Static level
1339	MW-1	63.78
1416	MW-2	109.50
1356	MW-3	82.77
1357	MW-3A	84.79
800	MW-5	106.46
805	MW-11	87.28
823	MW-12	108.55
757	MW-14	103.60
815	MW-15	106.48
1352	MW-17	72.96
1342	MW-18	70.39
1347	MW-19	57.25
950	MW-20	85.20
921	MW-22	66.78
1059	MW-23	114.28
1413	MW-24	113.70
807	MW-25	73.26
1317	MW-26	65.33
1334	MW-27	52.38
1409	MW-28	75.70
1419	MW-29	101.33
1422	MW-30	74.90
1425	MW-31	67.15
1338	MW-32	73.89
1415	MW-33	DRY
830	MW-34	108.11
1420	MW-35	112.30
1417	MW-36	110.35
833	MW-37	109.41

TIME	WELL	Static Level
1331	MW-4	69.78
1332	TW4-1	64.21
1206	TW4-2	65.46
1323	TW4-3	51.65
1345	TW4-4	68.90
1320	TW4-5	59.35
1343	TW4-6	69.16
1329	TW4-7	64.98
1325	TW4-8	64.80
1321	TW4-9	57.09
1318	TW4-10	57.47
1203	TW4-11	57.70
1215	TW4-12	41.99
1217	TW4-13	46.48
1219	TW4-14	85.09
1317	TW4-15	65.33
1336	TW4-16	61.75
1338	TW4-17	73.89
1327	TW4-18	59.90
1205	TW4-19	63.02
1315	TW4-20	61.00
1329	TW4-21	58.46
1230	TW4-22	56.75
1210	TW4-23	64.25
1232	TW4-24	57.82
1331	TW4-25	59.00
1347	TW4-26	62.74
1237	TW4-27	80.90
1234	TW4-28	36.65
1240	TW4-29	71.77
1242	TW4-30	77.27
1244	TW4-31	83.36
1247	TW4-32	47.41
1250	TW4-33	70.30
1252	TW4-34	69.30

TIME	WELL	Static Level
1350	PIEZ-1	62.61
1359	PIEZ-2	32.43
1322	PIEZ-3	46.90
1429	PIEZ-4	49.12
1432	PIEZ-5	45.75
1405	TWN-1	56.44
1312	TWN-2	32.31
1315	TWN-3	37.14
1320	TWN-4	48.54
NA	TWN-5	Abandon
1344	TWN-6	75.95
1336	TWN-7	86.85
NA	TWN-8	Abandon
NA	TWN-9	Abandon
NA	TWN-10	Abandon
NA	TWN-11	Abandon
NA	TWN-12	Abandon
NA	TWN-13	Abandon
1352	TWN-14	61.81
NA	TWN-15	Abandon
1355	TWN-16	47.31
NA	TWN-17	Abandon
1317	TWN-18	58.43
1041	TWN-19	52.44

TIME	WELL	Static Level
NA	DR-1	Abandon
NA	DR-2	Abandon
1017	DR-5	82.96
1020	DR-6	94.21
1236	DR-7	92.21
1012	DR-8	51
1009	DR-9	86.4
1006	DR-10	77.97
1026	DR-11	98.1
1028	DR-12	89.62
1031	DR-13	69.76
959	DR-14	76.29
955	DR-15	92.8
NA	DR-16	Abandon
1002	DR-17	64.82
NA	DR-18	Abandon
939	DR-19	62.97
941	DR-20	55.35
924	DR-21	101.19
935	DR-22	60.65
945	DR-23	70.56
932	DR-24	43.85
NA	DR-25	Abandon

We split up to complete checks so some times may be the same.



EXPLANATION

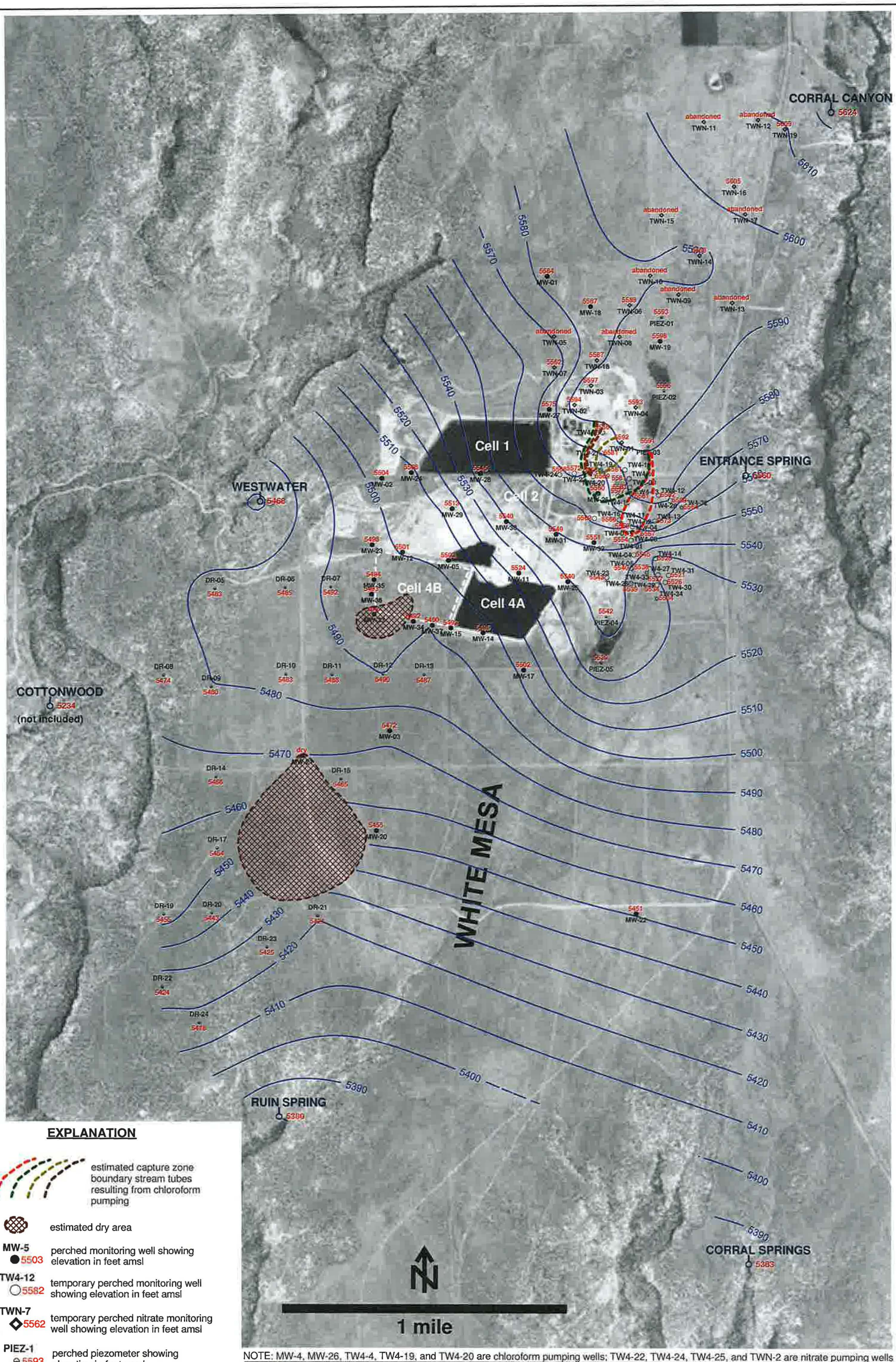
- estimated dry area
- **MW-5** 5503 — perched monitoring well showing elevation in feet amsl
- **TW4-12** 5582 — temporary perched monitoring well showing elevation in feet amsl
- **TWN-7** 5562 — temporary perched nitrate monitoring well showing elevation in feet amsl
- **PIEZ-1** 5593 — perched piezometer showing elevation in feet amsl
- **TW4-32** 5564 — temporary perched monitoring well installed September, 2013 showing approximate 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 chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells

HYDRO GEO CHEM, INC.

KRIGED 3rd QUARTER, 2013 WATER LEVELS WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov13/Uwl0913.srf	D-1



EXPLANATION

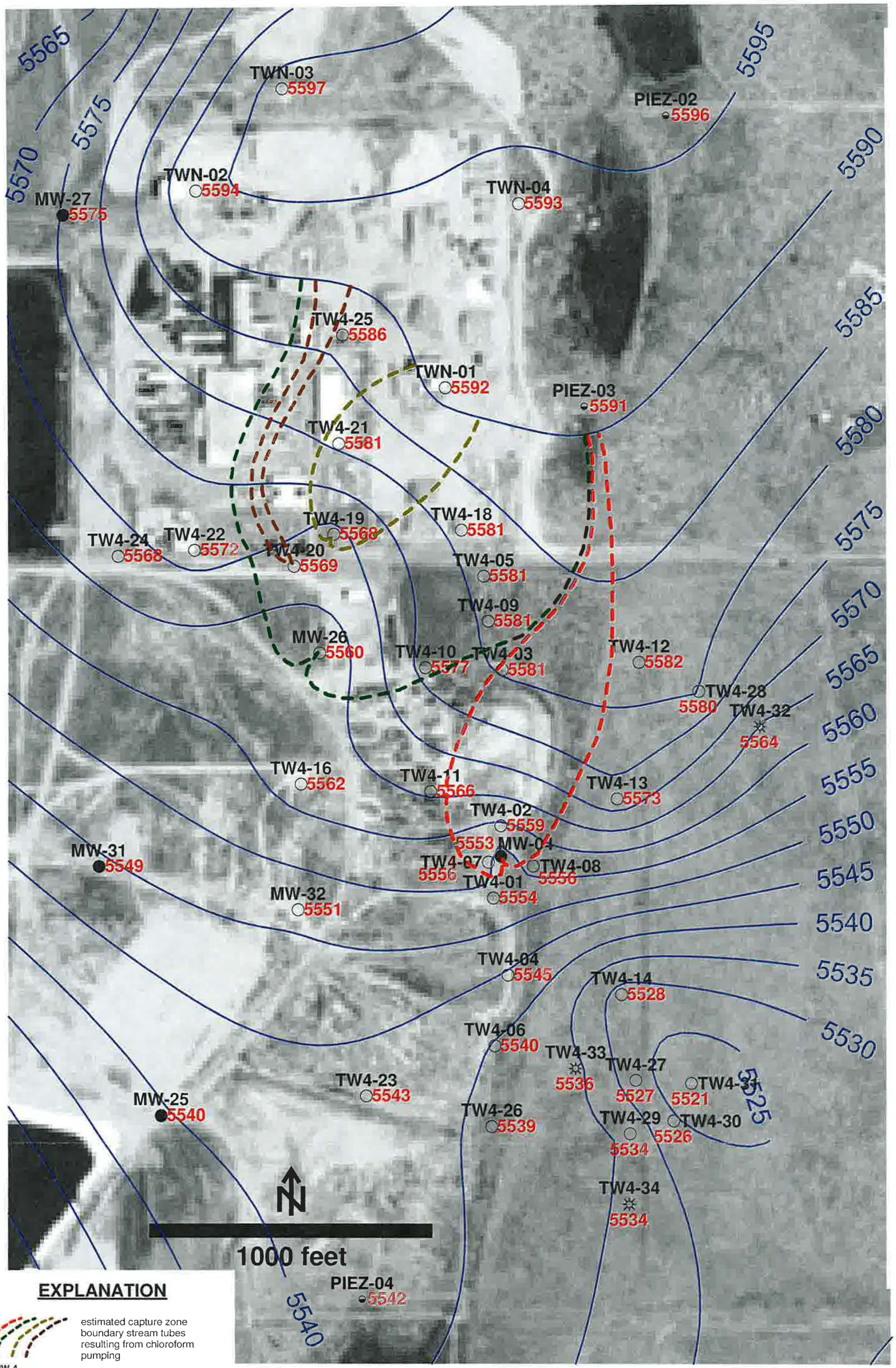
- estimated capture zone boundary stream tubes resulting from chloroform pumping
- estimated dry area
- **MW-5** ● 5503 — perched monitoring well showing elevation in feet amsl
- **TW4-12** ○ 5582 — temporary perched monitoring well showing elevation in feet amsl
- **TWN-7** ◇ 5562 — temporary perched nitrate monitoring well showing elevation in feet amsl
- **PIEZ-1** ⊖ 5593 — perched piezometer showing elevation in feet amsl
- **TW4-32** ☼ 5564 — temporary perched monitoring well installed September, 2013 showing approximate 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 chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells

HYDRO GEO CHEM, INC.

KRIGED 3rd QUARTER, 2013 WATER LEVELS AND ESTIMATED CHLOROFORM CAPTURE ZONES WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov13/Uwl0913cz2.srf	D-2



EXPLANATION

- estimated capture zone boundary stream tubes resulting from chloroform pumping
- MW-4 ● 5553 — perched monitoring well showing elevation in feet amsl
- TW4-1 ○ 5554 — temporary perched monitoring well showing elevation in feet amsl
- PIEZ-2 ◒ 5596 — perched piezometer showing elevation in feet amsl
- TW4-32 ☼ 5564 — temporary perched monitoring well installed September, 2013 showing elevation in feet amsl

NOTE: MW-4, MW-26, TW4-4, TW4-19, and TW4-20 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells

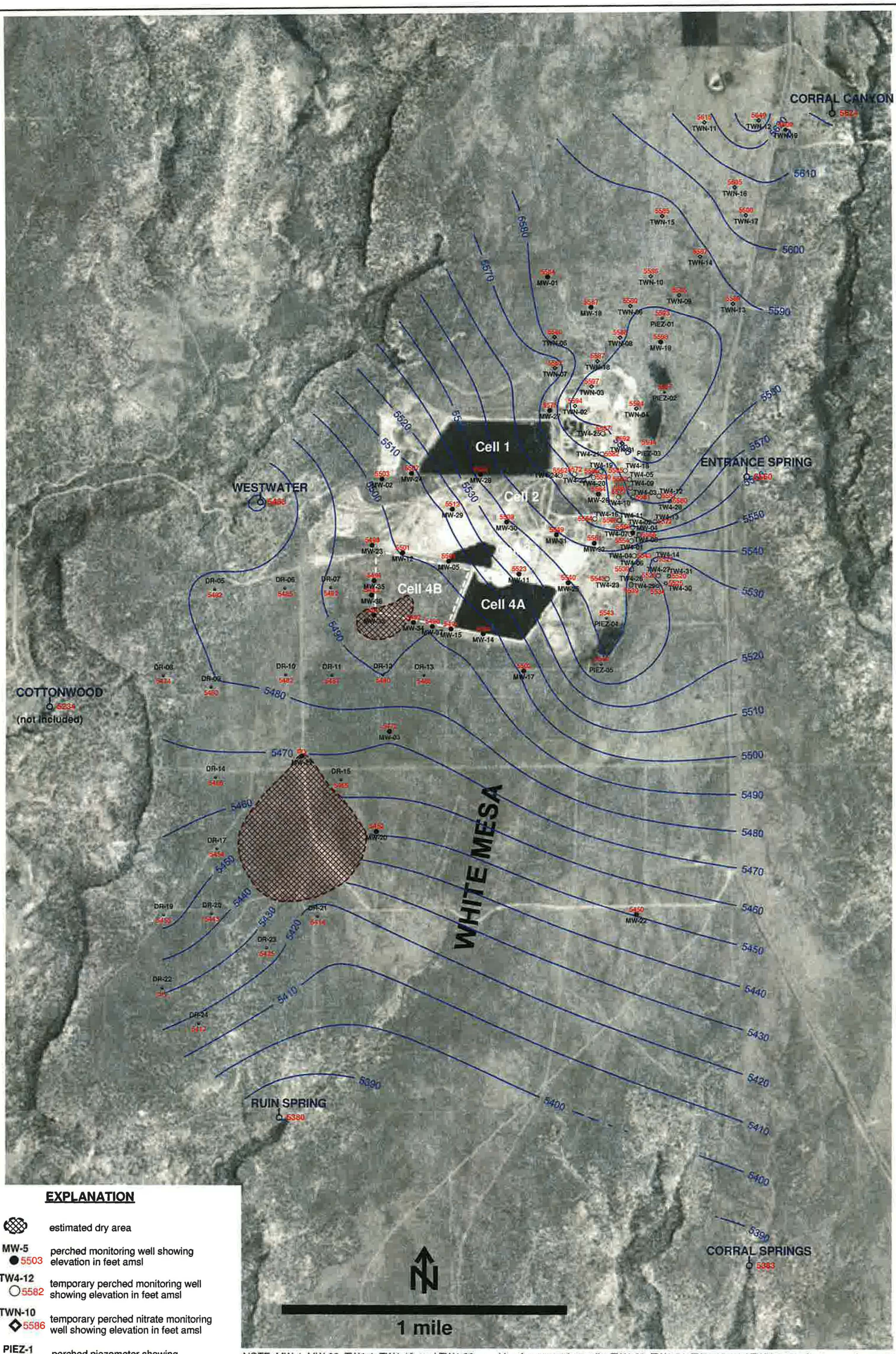
HYDRO GEO CHEM, INC.

KRIGED 3rd QUARTER, 2013 WATER LEVELS AND ESTIMATED CHLOROFORM CAPTURE ZONES WHITE MESA SITE
(detail map)

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov13/Uwl0913cz.srf	D-3

Tab E

Kriged Previous Quarter Groundwater Contour Map



EXPLANATION

- estimated dry area
- **MW-5** ● 5503 — perched monitoring well showing elevation in feet amsl
- **TW4-12** ○ 5582 — temporary perched monitoring well showing elevation in feet amsl
- **TWN-10** ◇ 5586 — temporary perched nitrate monitoring well showing elevation in feet amsl
- **PIEZ-1** ⊖ 5593 — perched piezometer showing elevation in feet amsl
- **TW4-28** ☼ 5580 — temporary perched monitoring well installed March, 2013 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 chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells

HYDRO GEO CHEM, INC.

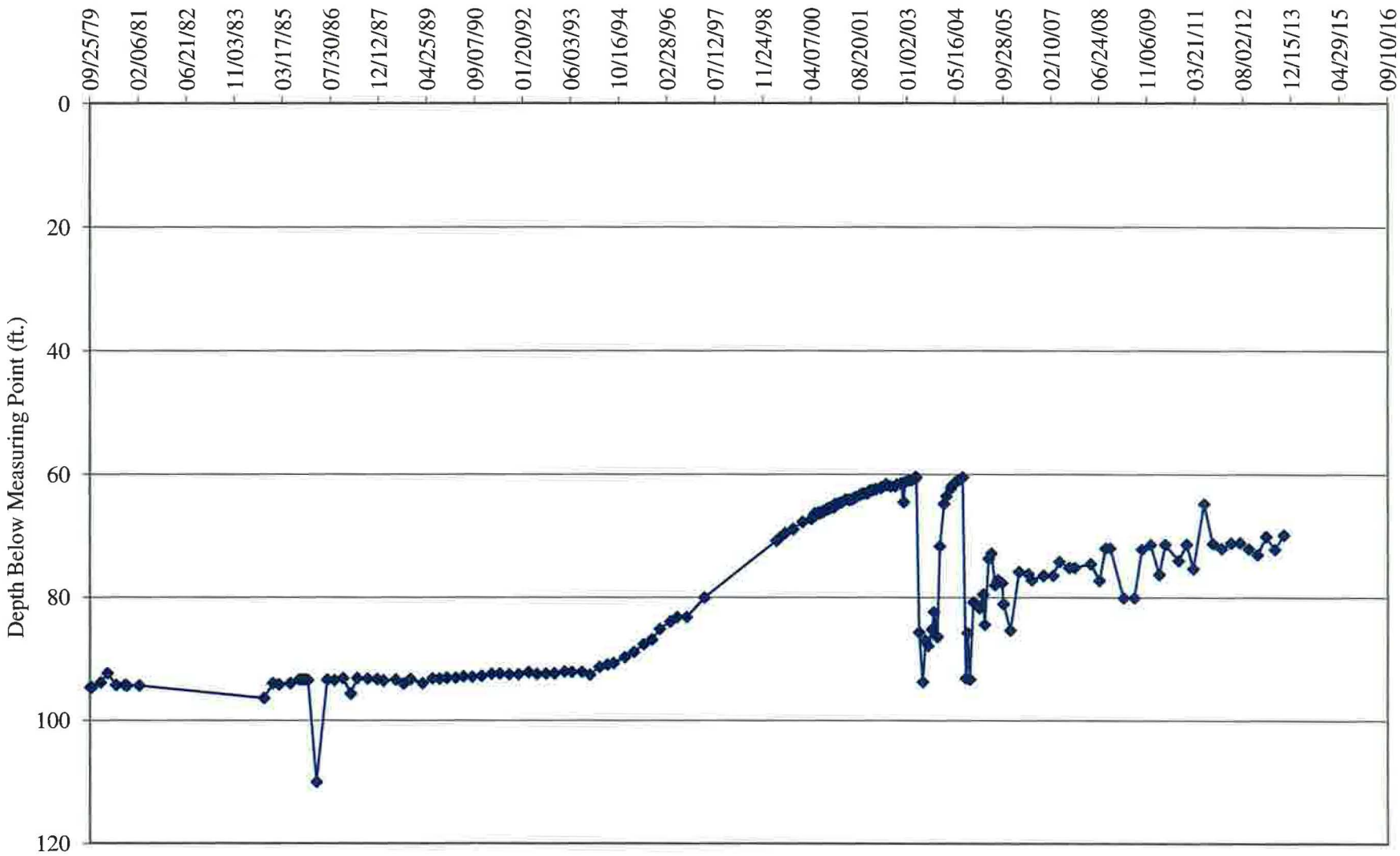
KRIGED 2nd QUARTER, 2013 WATER LEVELS WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/aug13/Uwl0613.srf	E-1

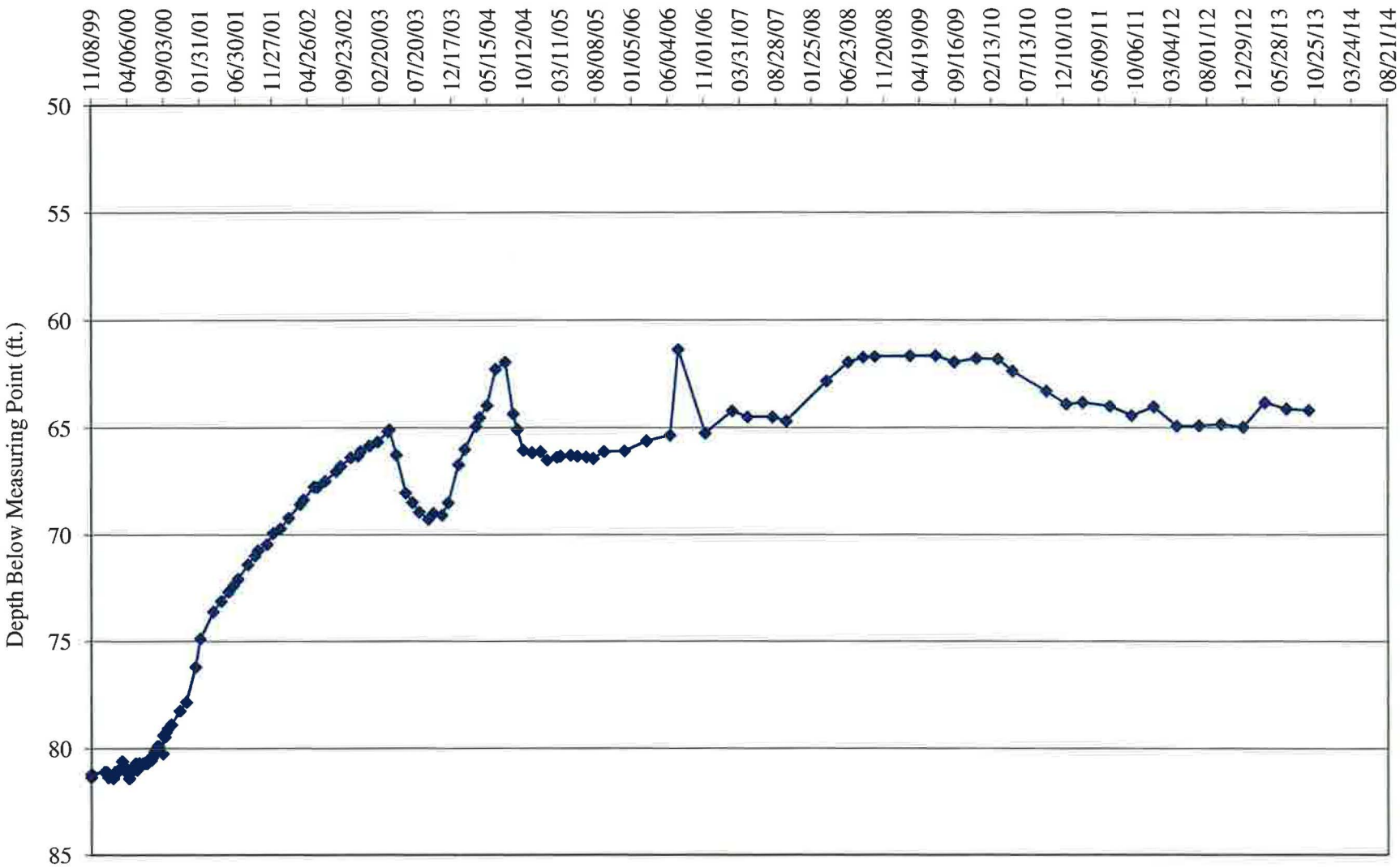
Tab F

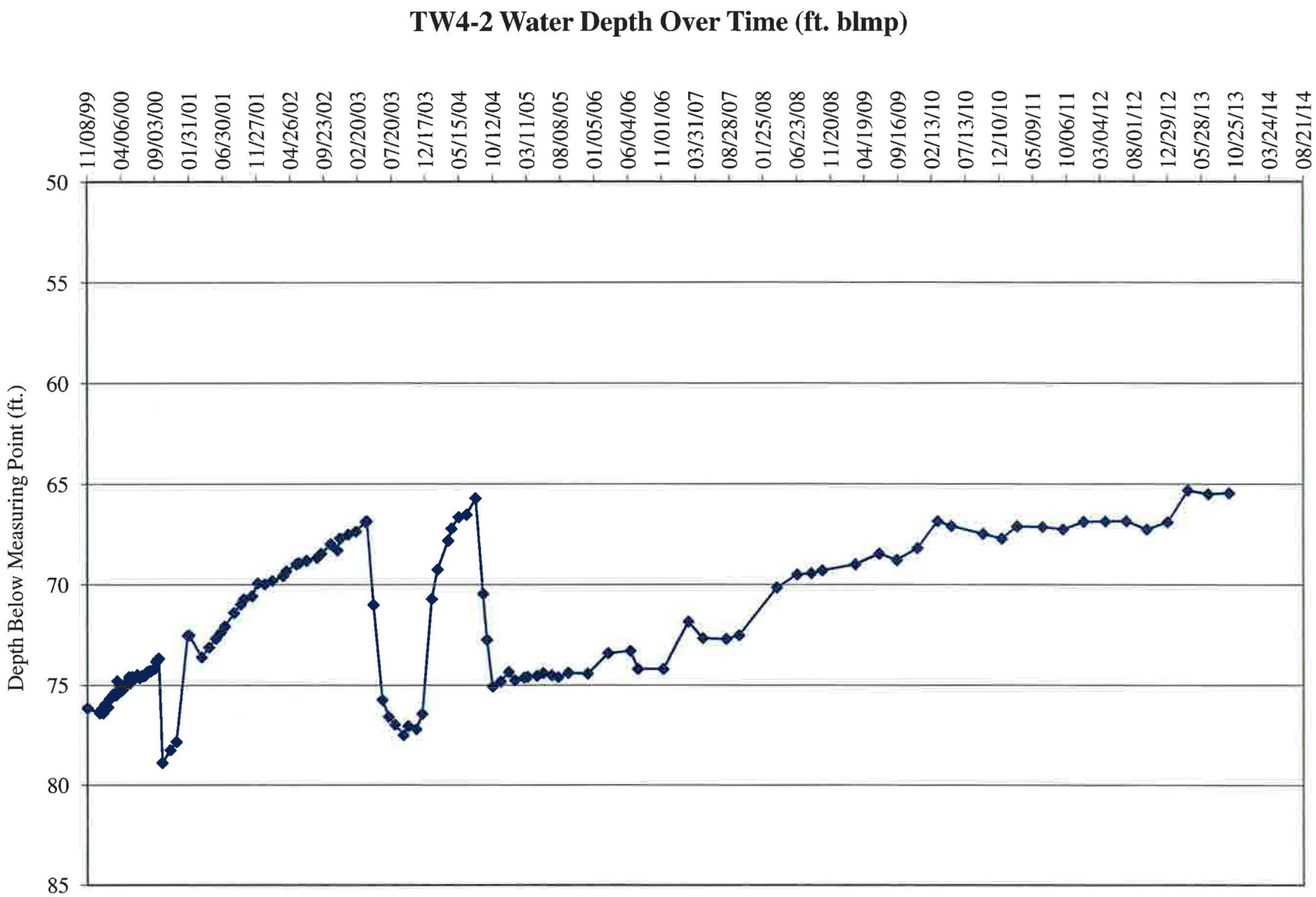
Hydrographs of Groundwater Elevations Over Time for Chloroform Monitoring Wells

MW 4 Water Depth Over Time (ft. blmp)

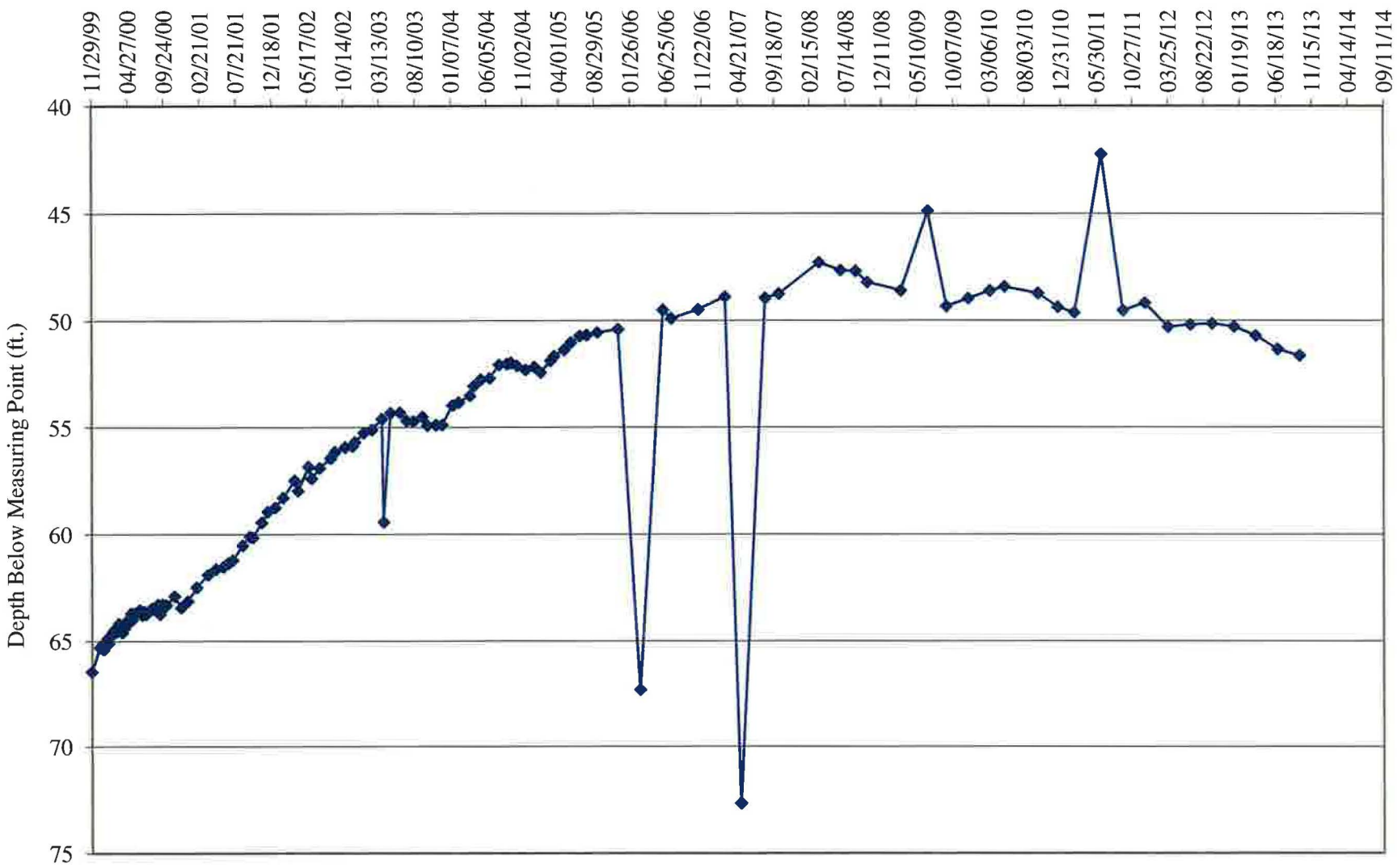


TW4-1 Water Depth Over Time (ft. blmp)

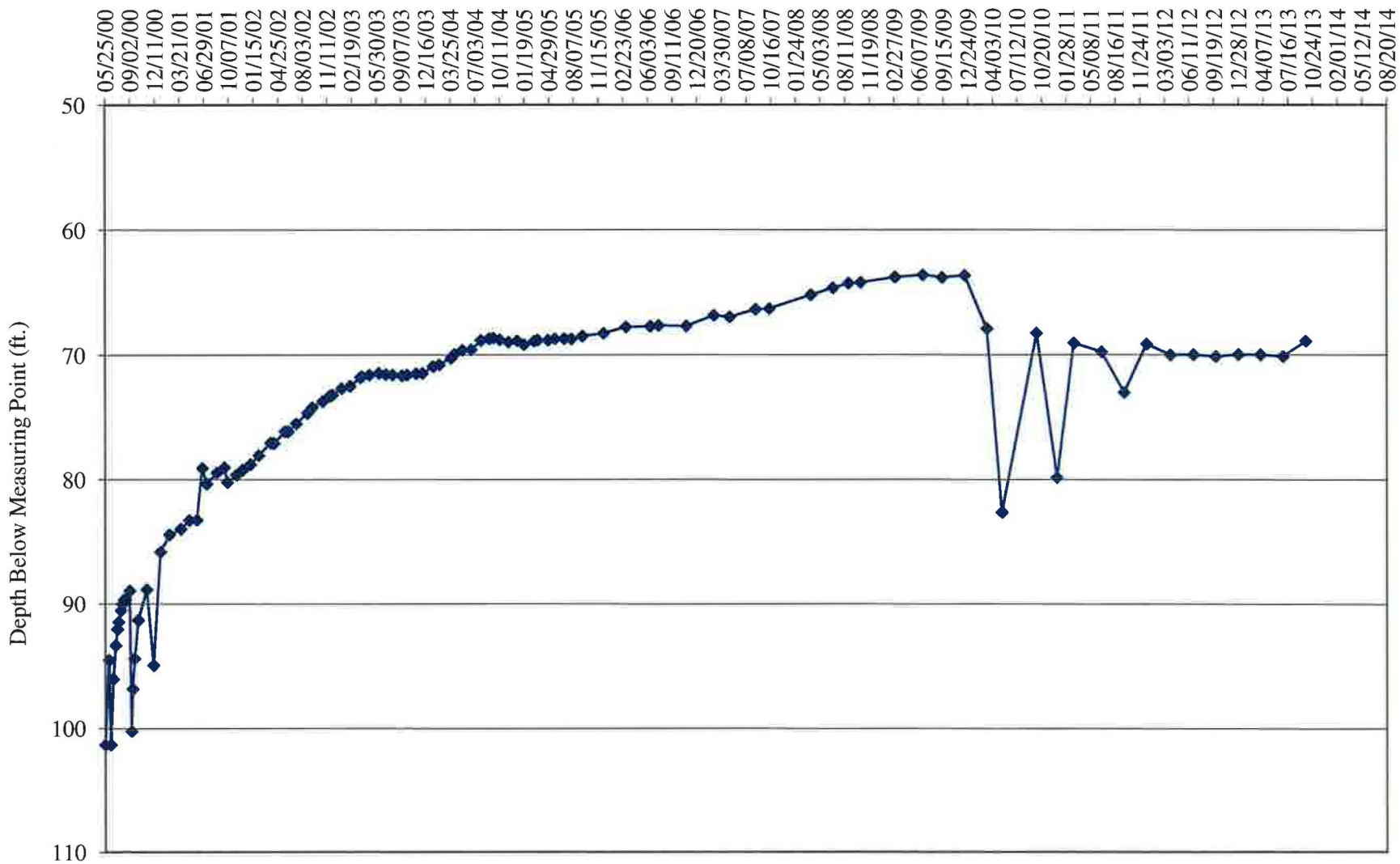



TW4-2 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
50
55
60
65
70
75
80
85
11/08/99
04/06/00
09/03/00
01/31/01
06/30/01
11/27/01
04/26/02
09/23/02
02/20/03
07/20/03
12/17/03
05/15/04
10/12/04
03/11/05
08/08/05
01/05/06
06/04/06
11/01/06
03/31/07
08/28/07
01/25/08
06/23/08
11/20/08
04/19/09
09/16/09
02/13/10
07/13/10
12/10/10
05/09/11
10/06/11
03/04/12
08/01/12
12/29/12
05/28/13
10/25/13
03/24/14
08/21/14

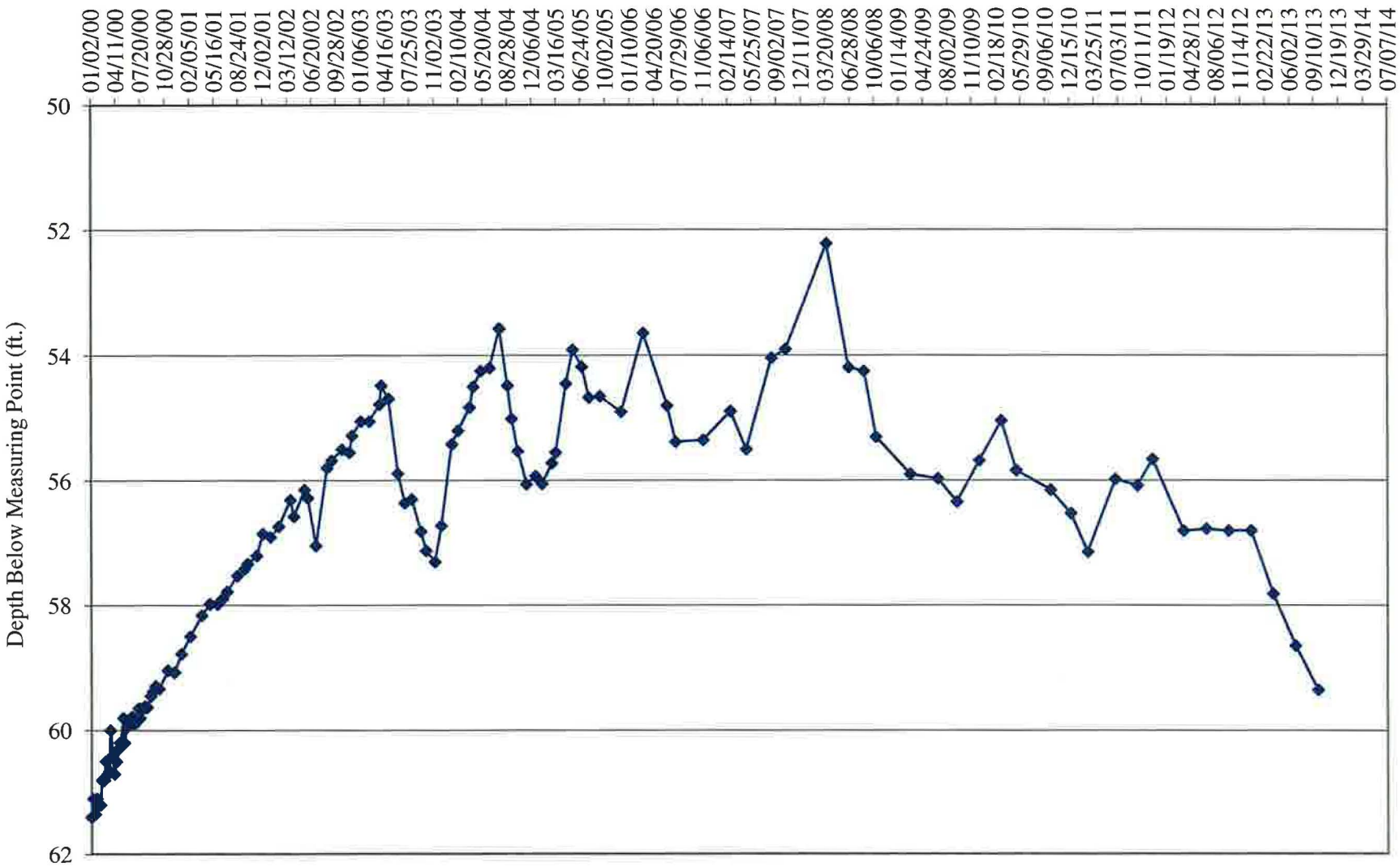
TW4-3 Water Depth Over Time (ft. blmp)



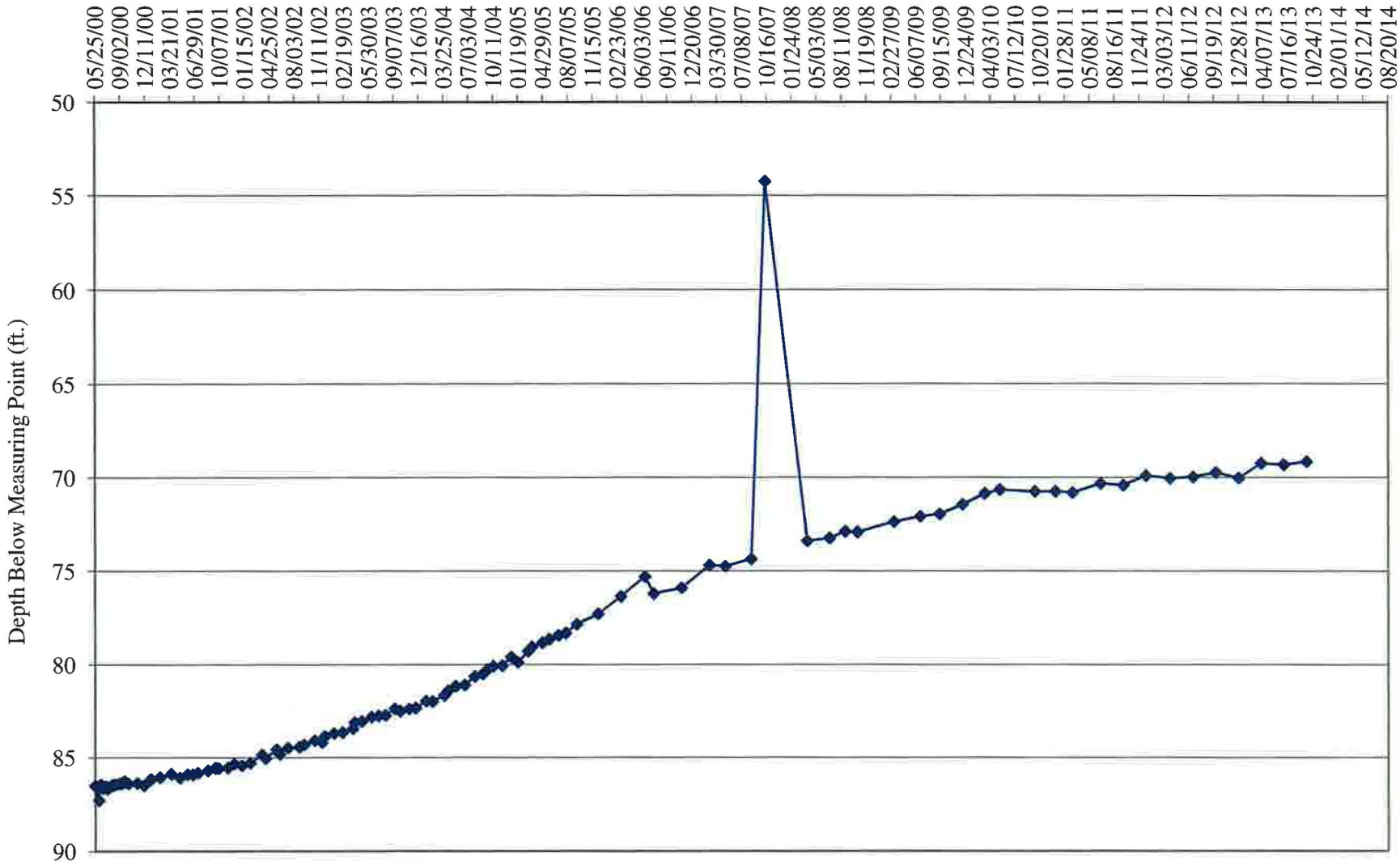
TW4-4 Water Depth Over Time (ft. blmp)



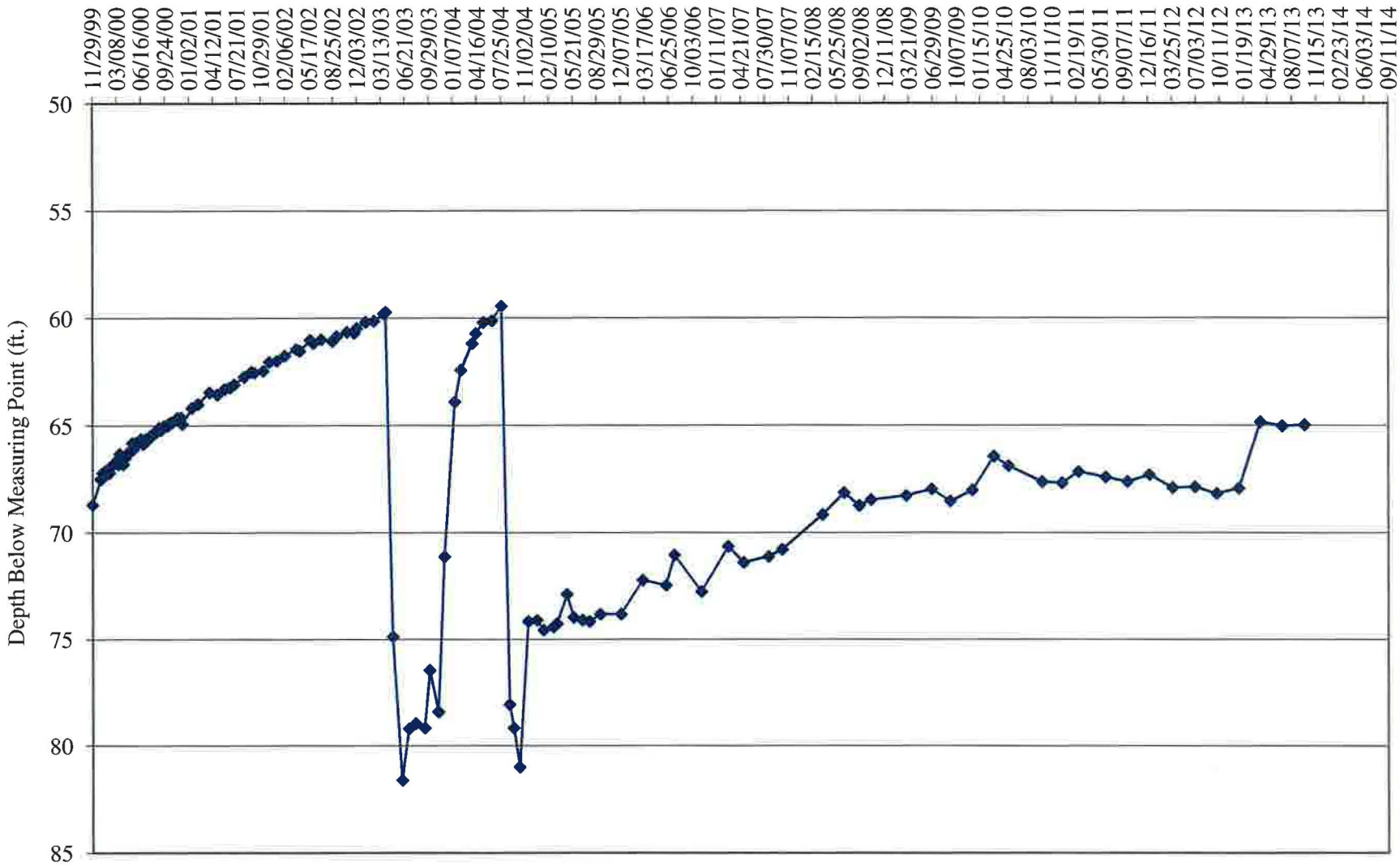
TW4-5 Water Depth Over Time (ft. blmp)



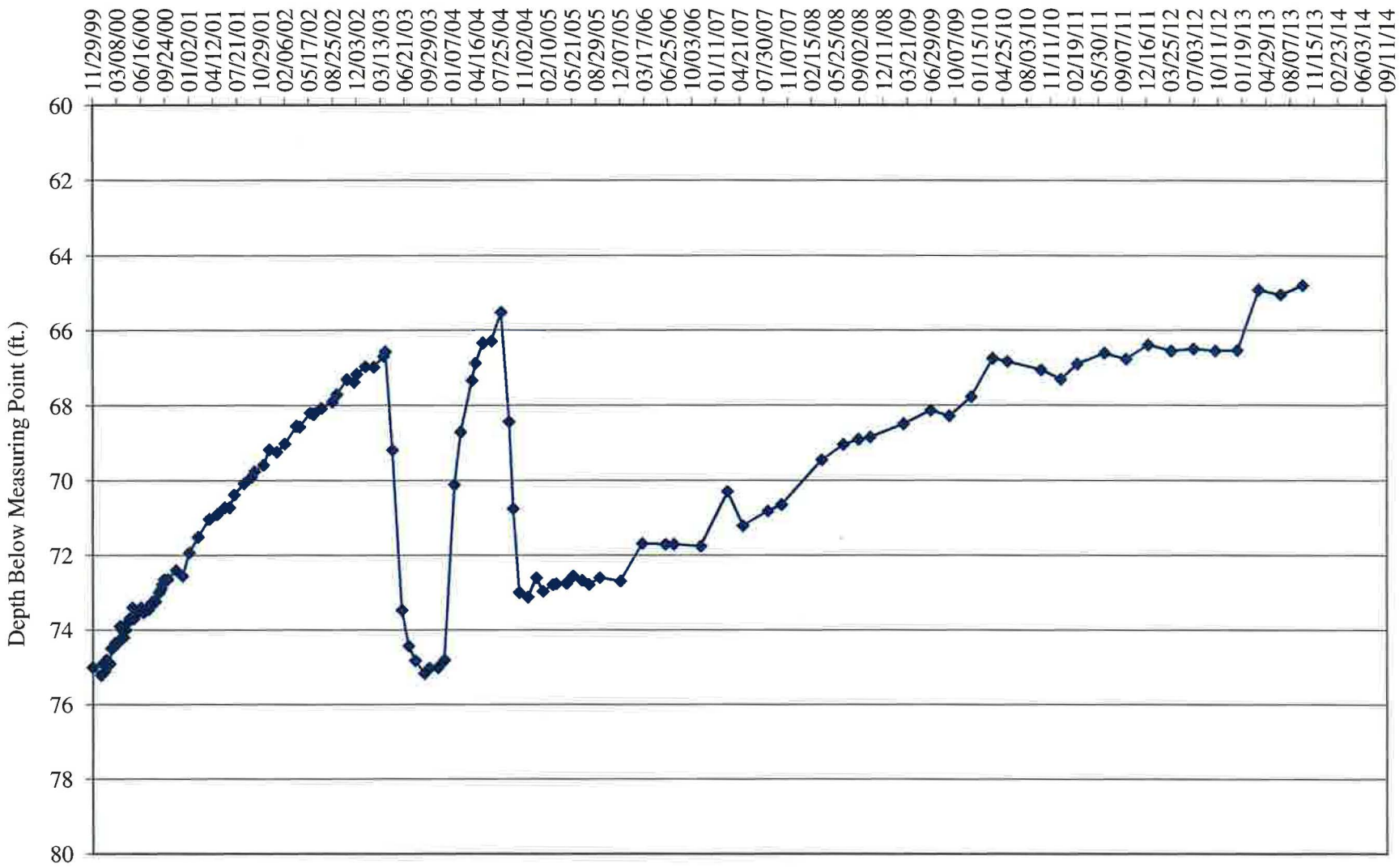
TW4-6 Water Depth Over Time (ft. blmp)



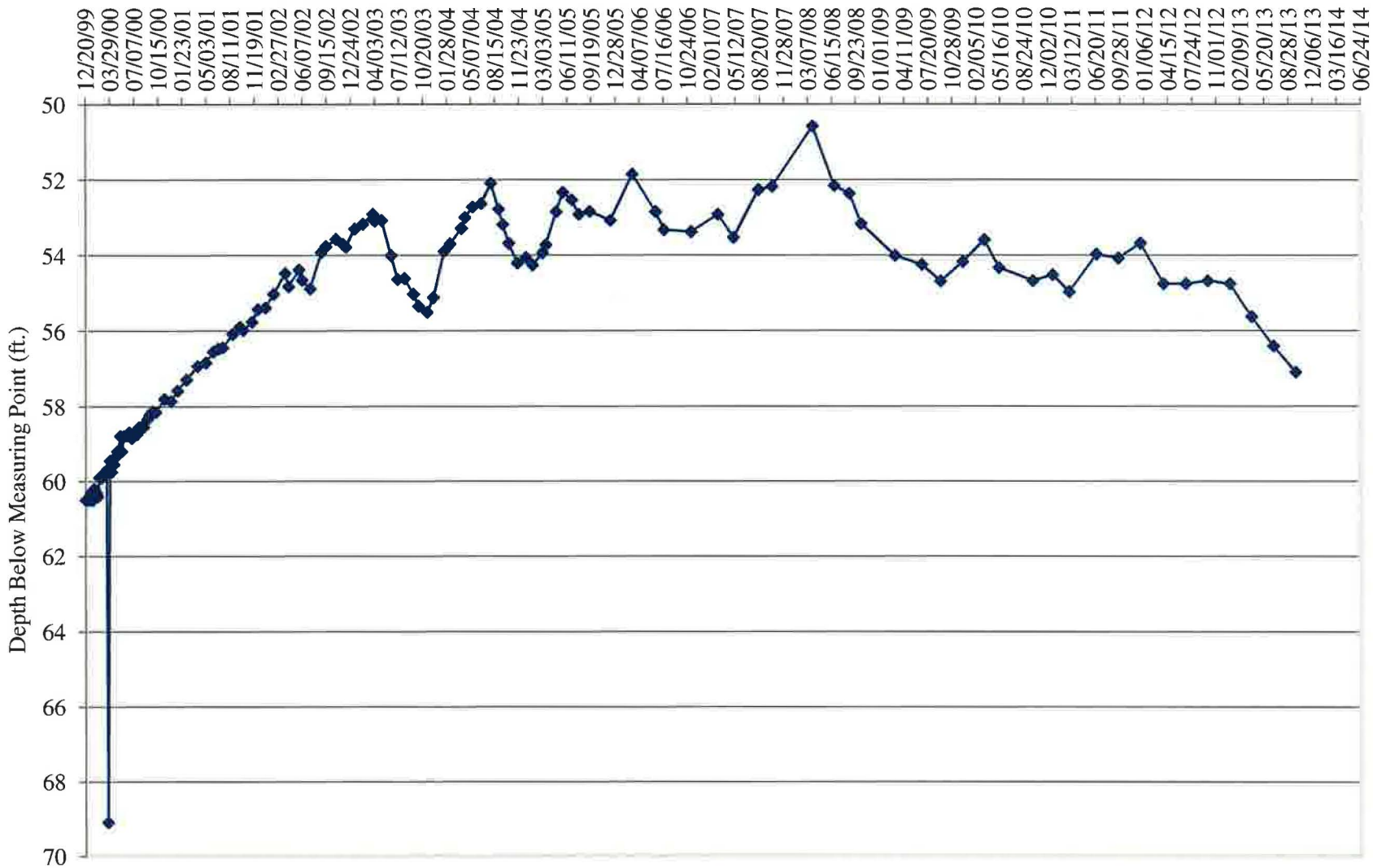
TW4-7 Water Depth Over Time (ft. blmp)

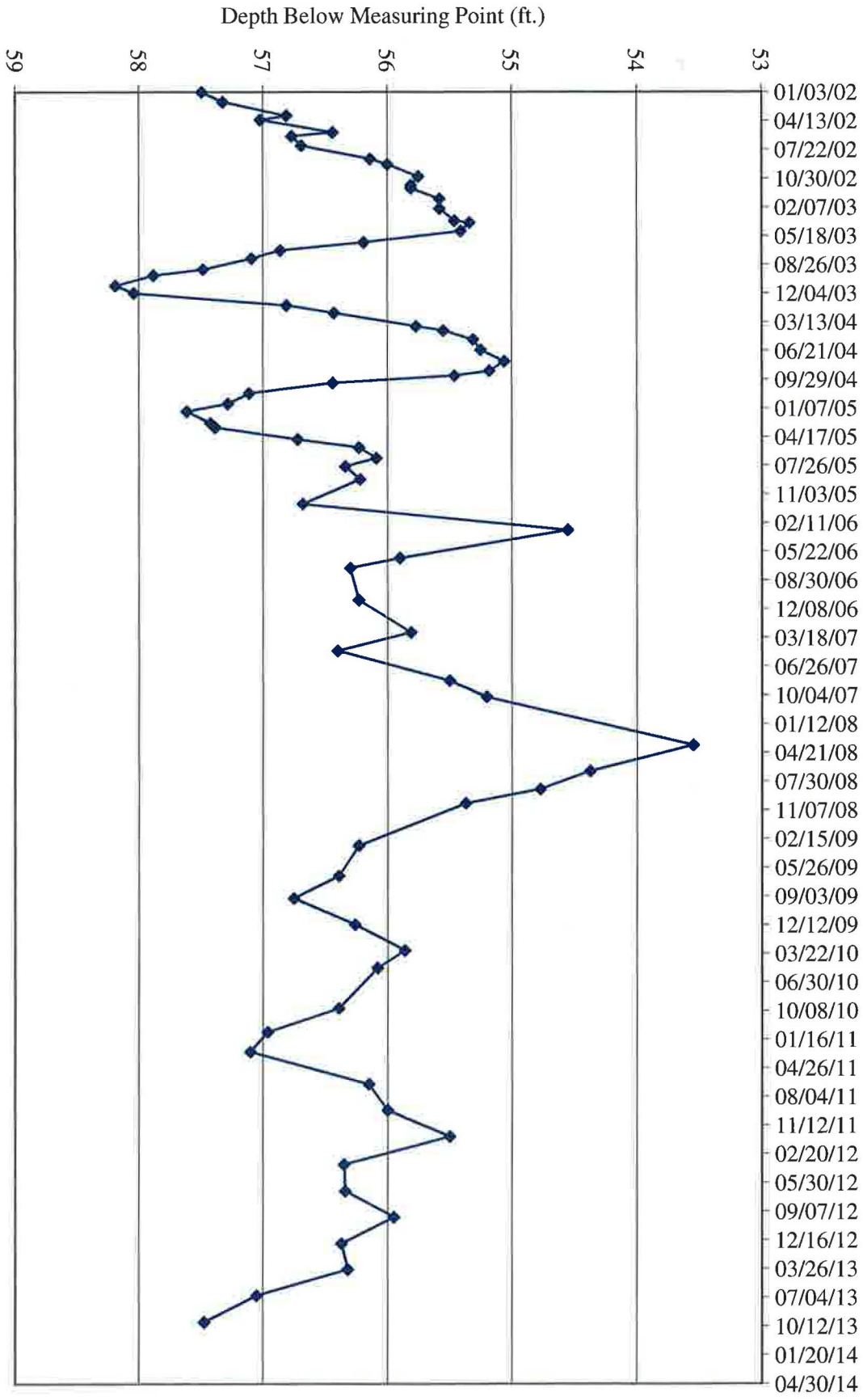


TW4-8 Water Depth Over Time (ft. blmp)



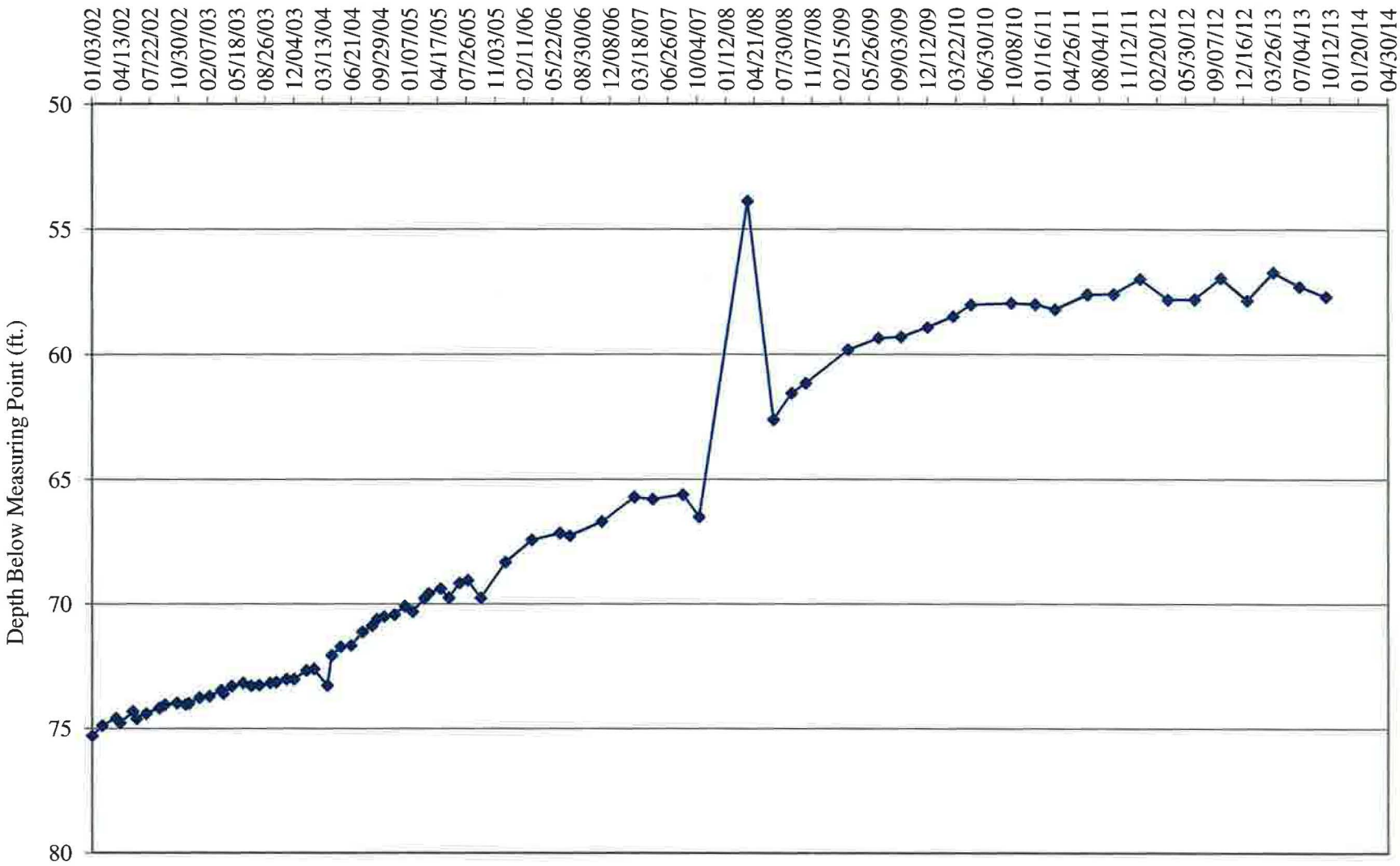
TW4-9 Water Depth Over Time (ft. blmp)



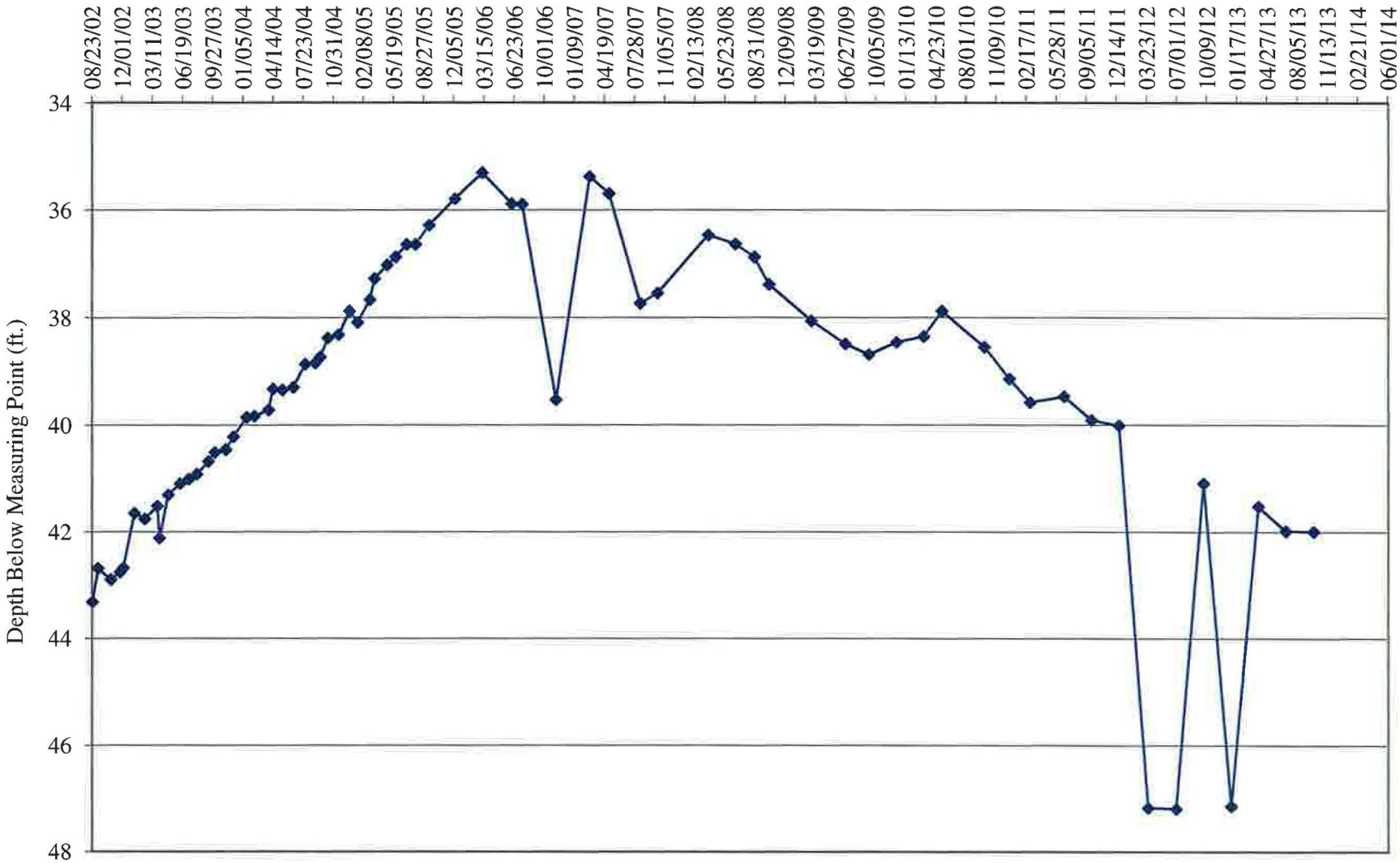


TW4-10 Water Depth Over Time (ft. blmp)

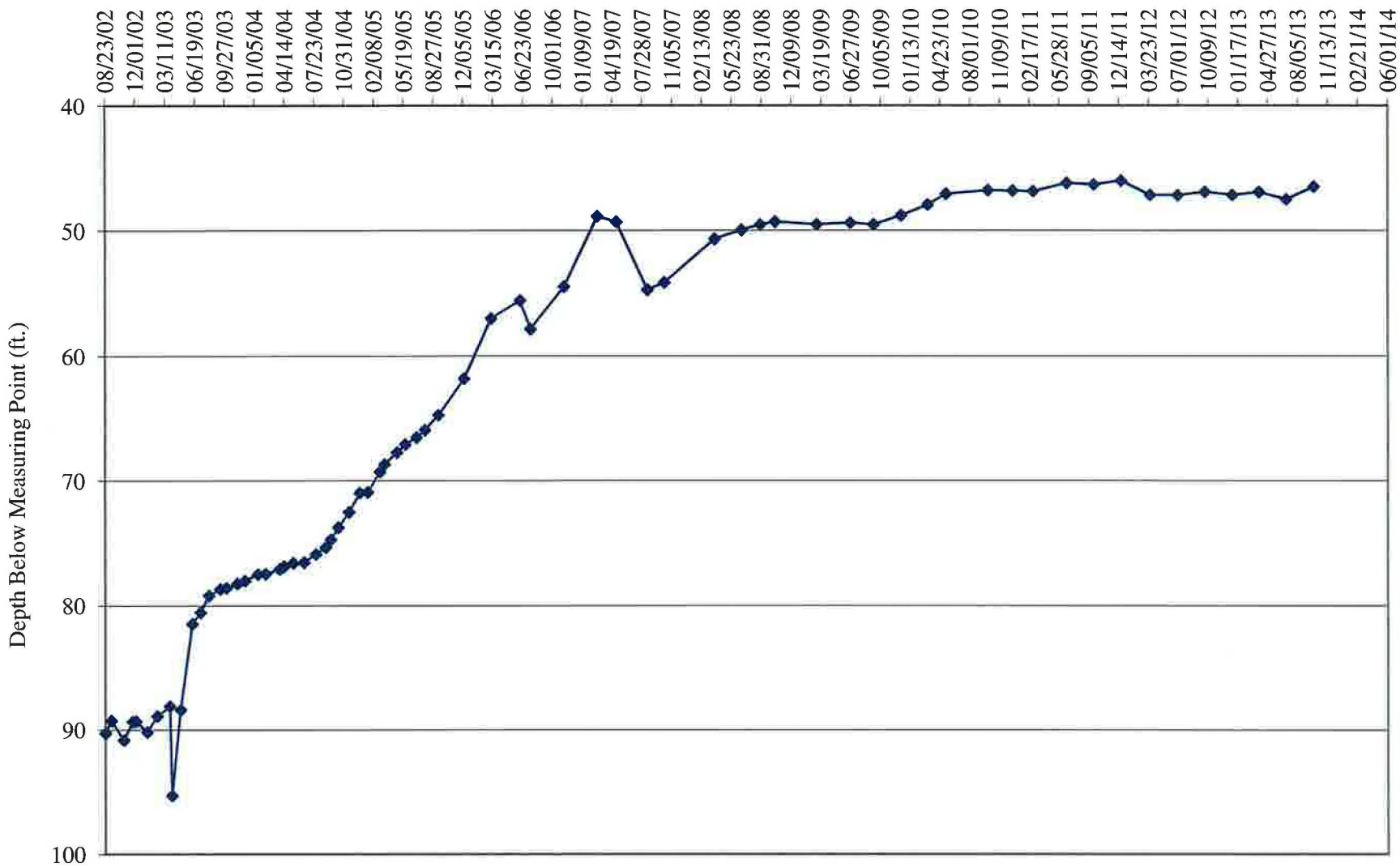
TW4-11 Water Depth Over Time (ft. blmp)



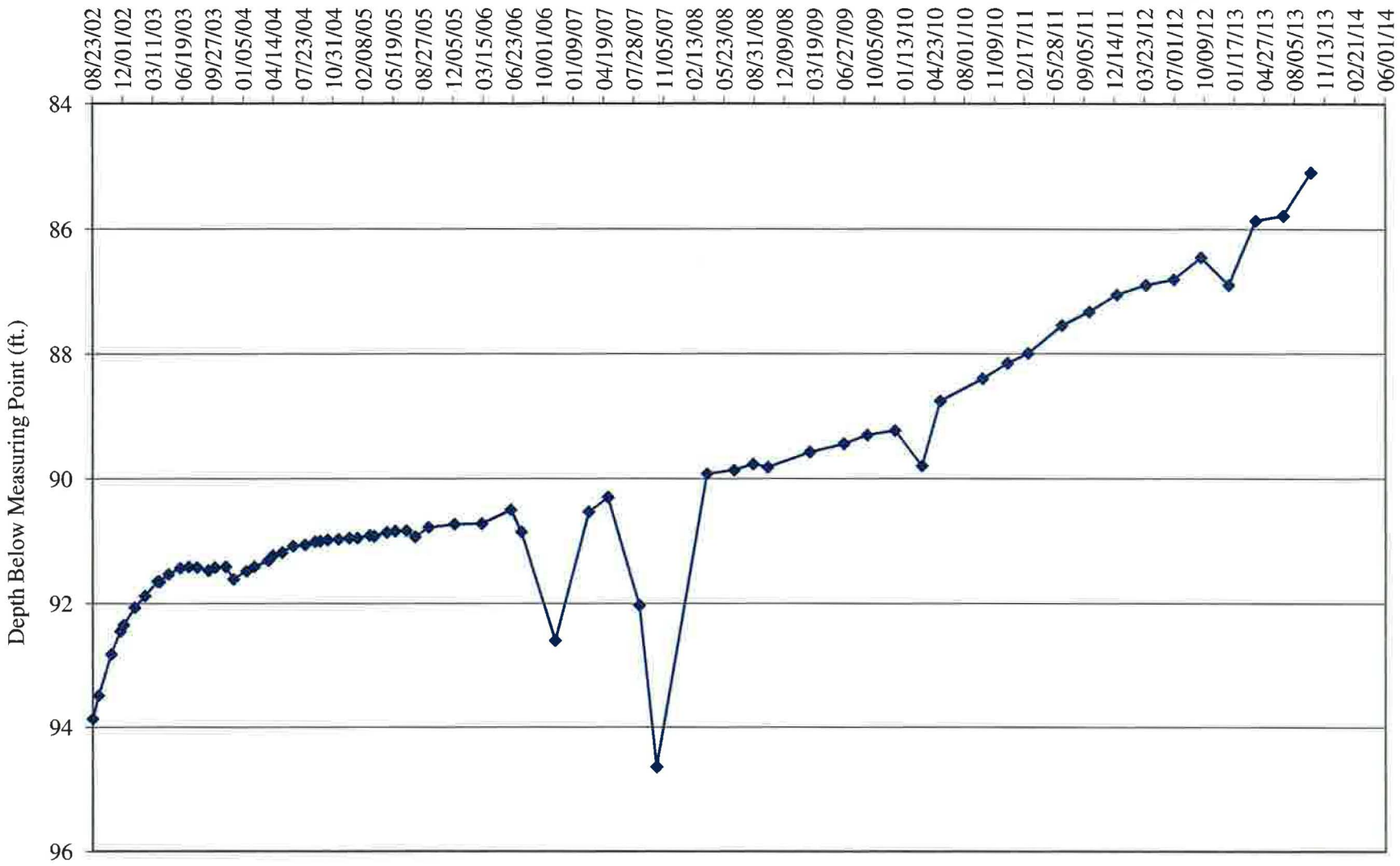
TW4-12 Water Depth Over Time (ft. blmp)



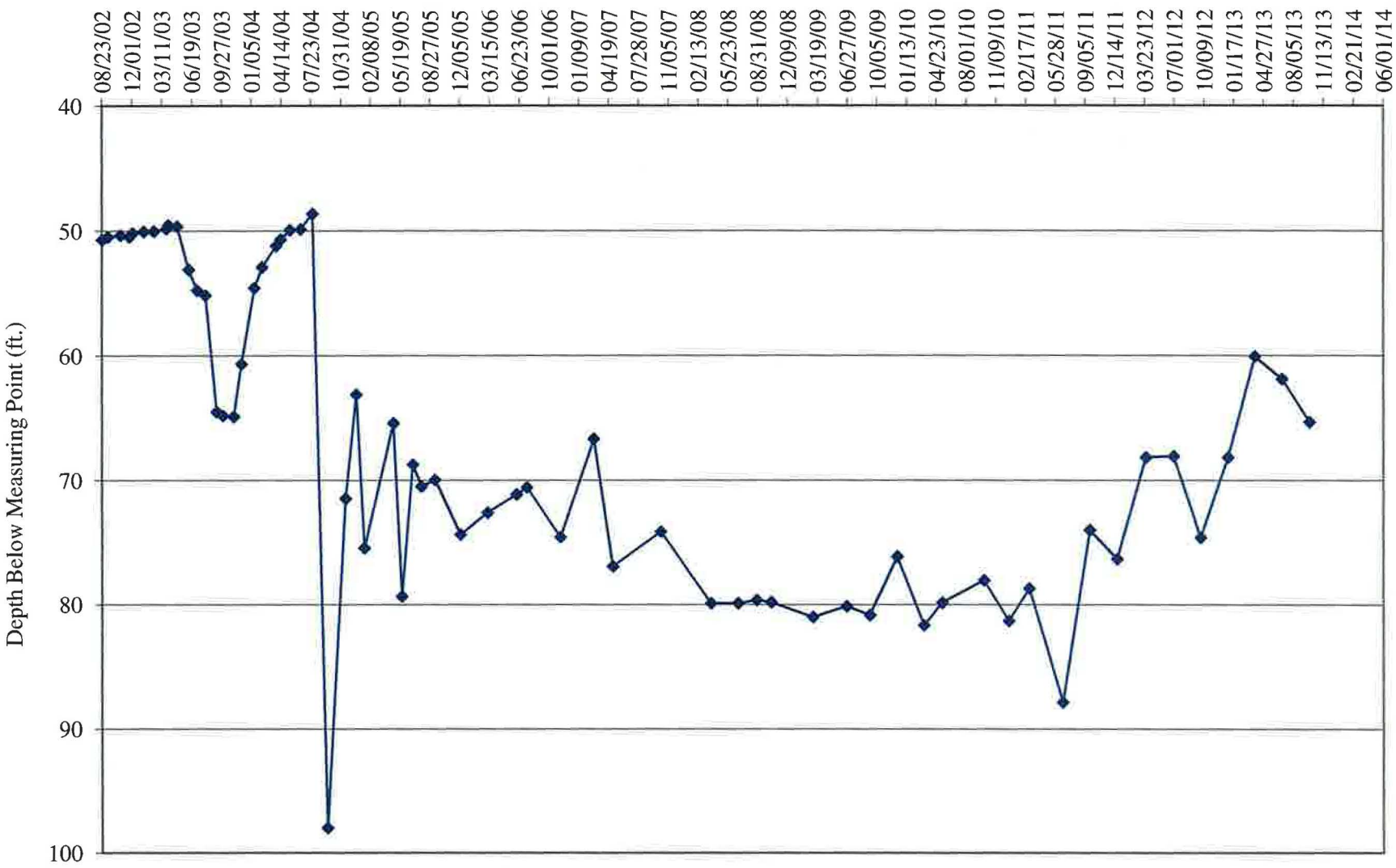
TW4-13 Water Depth Over Time (ft. blmp)



TW4-14 Water Depth Over Time (ft. blmp)

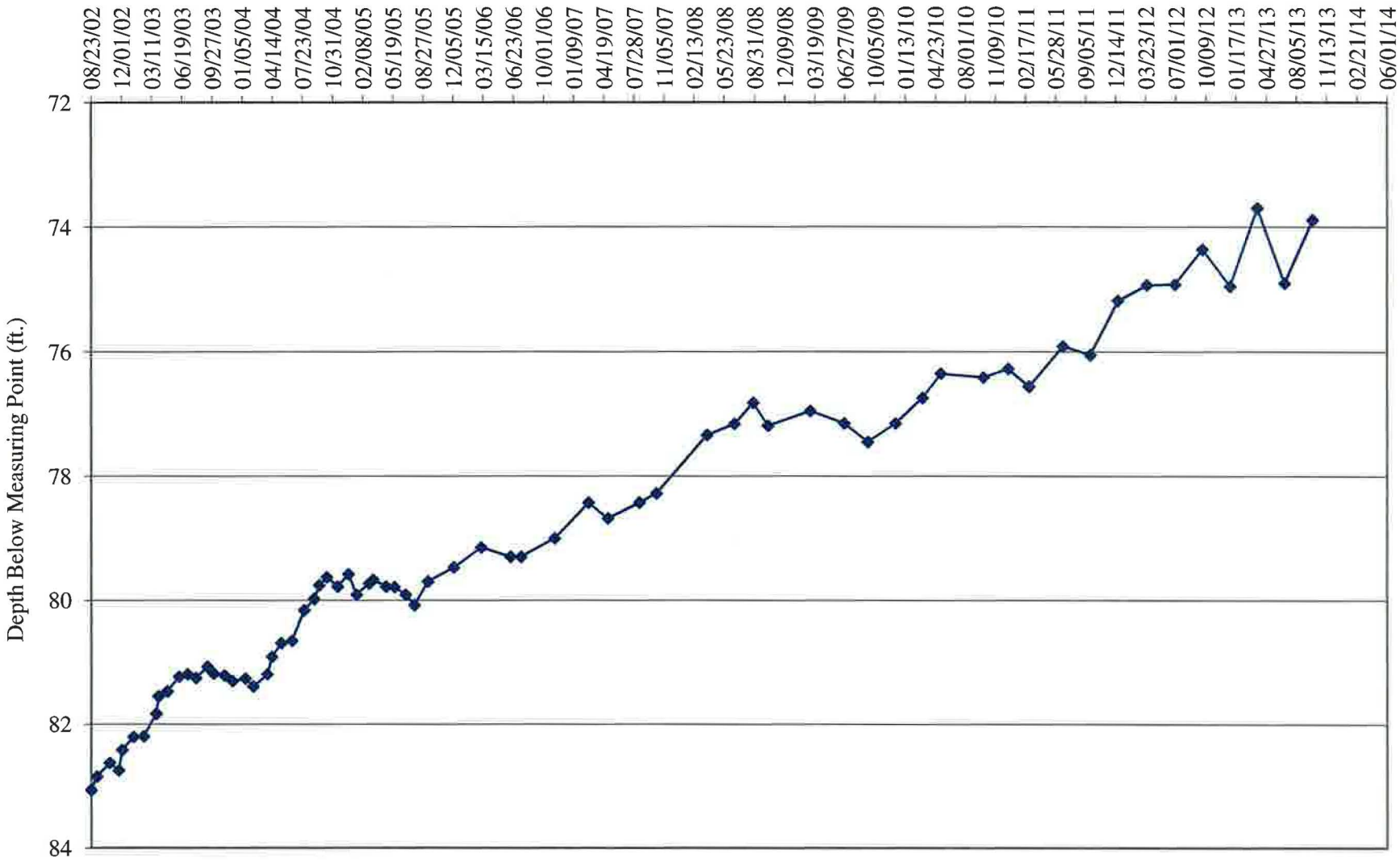


MW-26 Water Depth Over Time (ft. blmp)

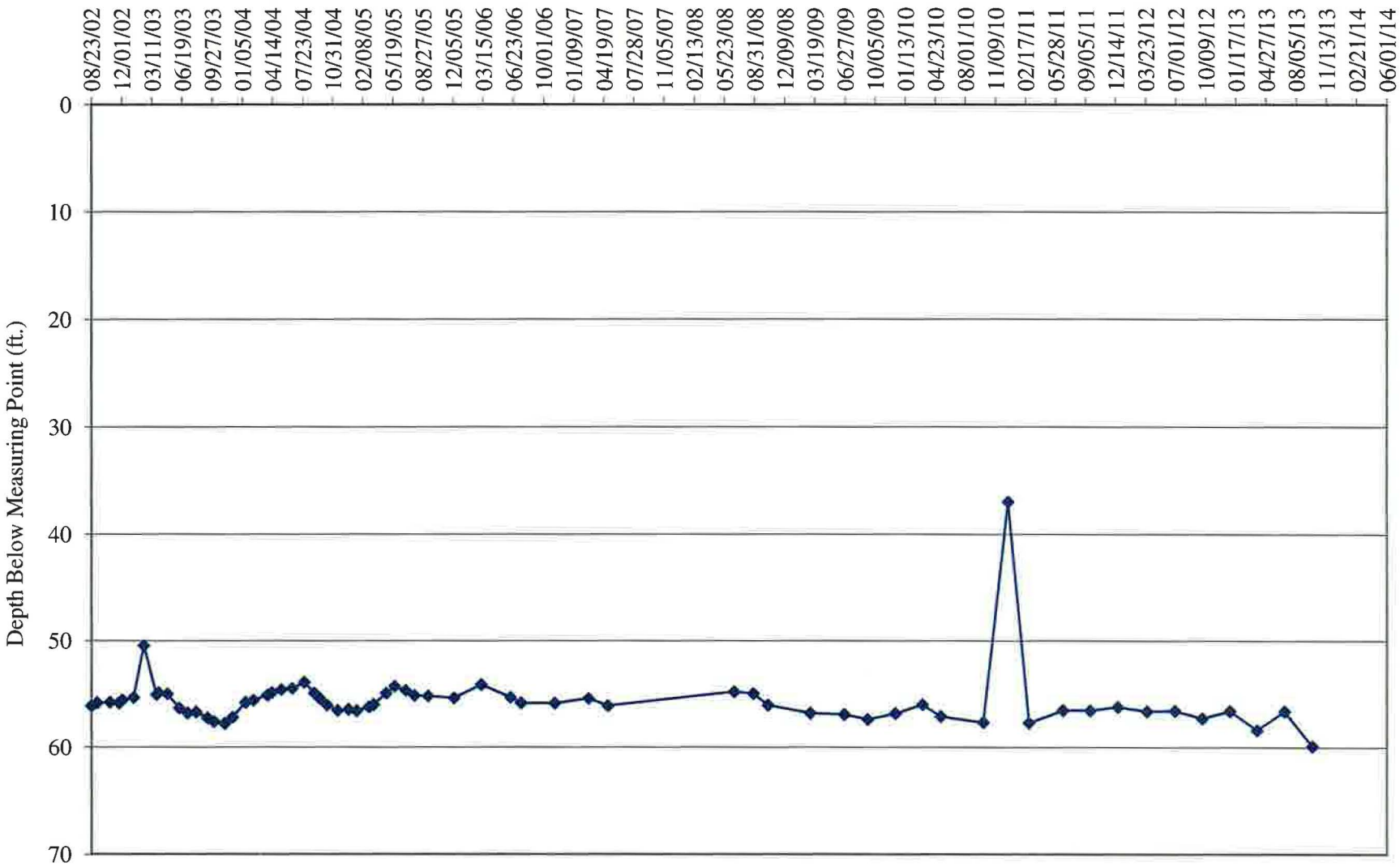


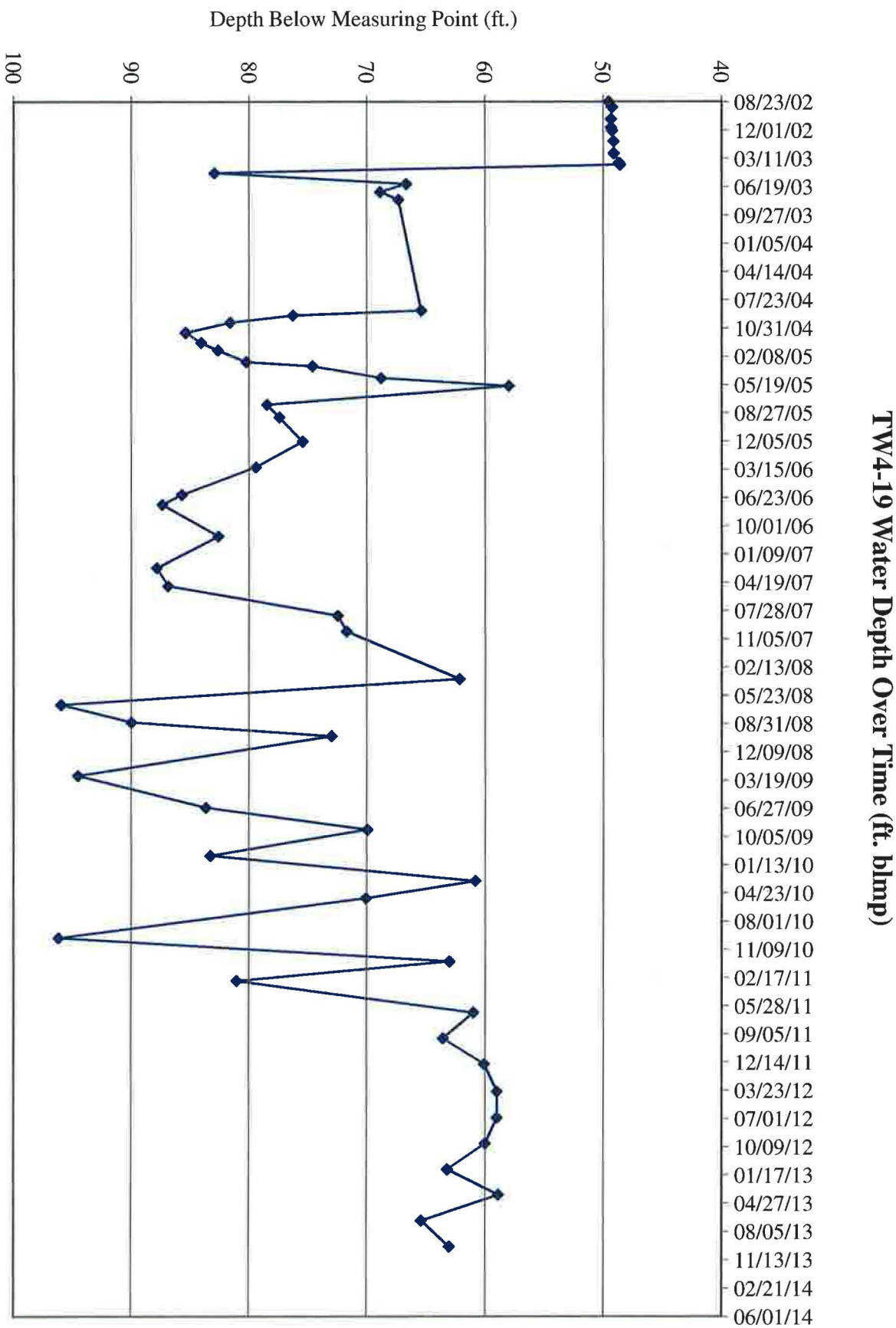
TW4-16 Water Depth Over Time (ft. blmp)

MW-32 Water Depth Over Time (ft. blmp)



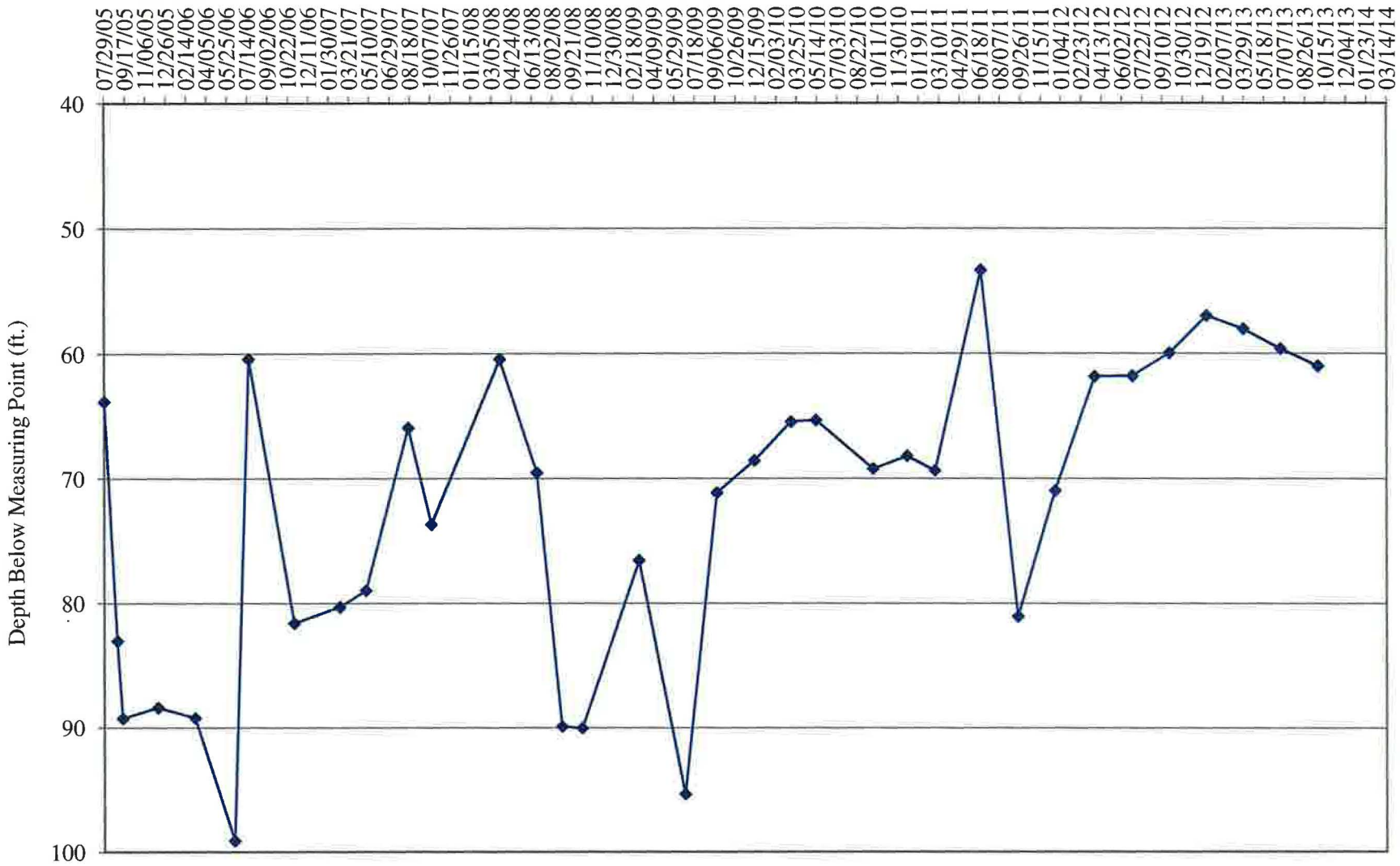
TW4-18 Water Depth Over Time (ft. blmp)



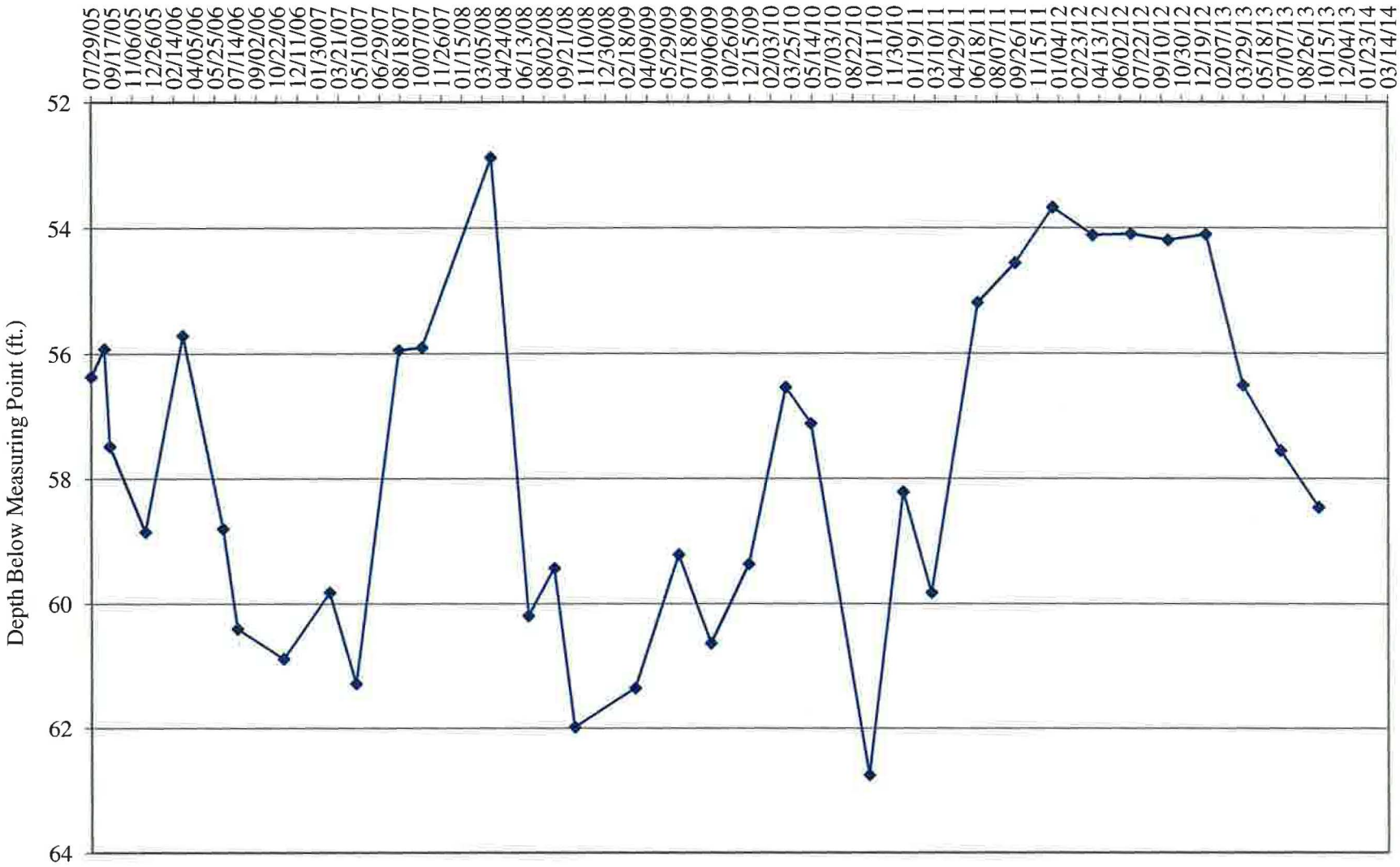


TW4-19 Water Depth Over Time (ft. blmp)

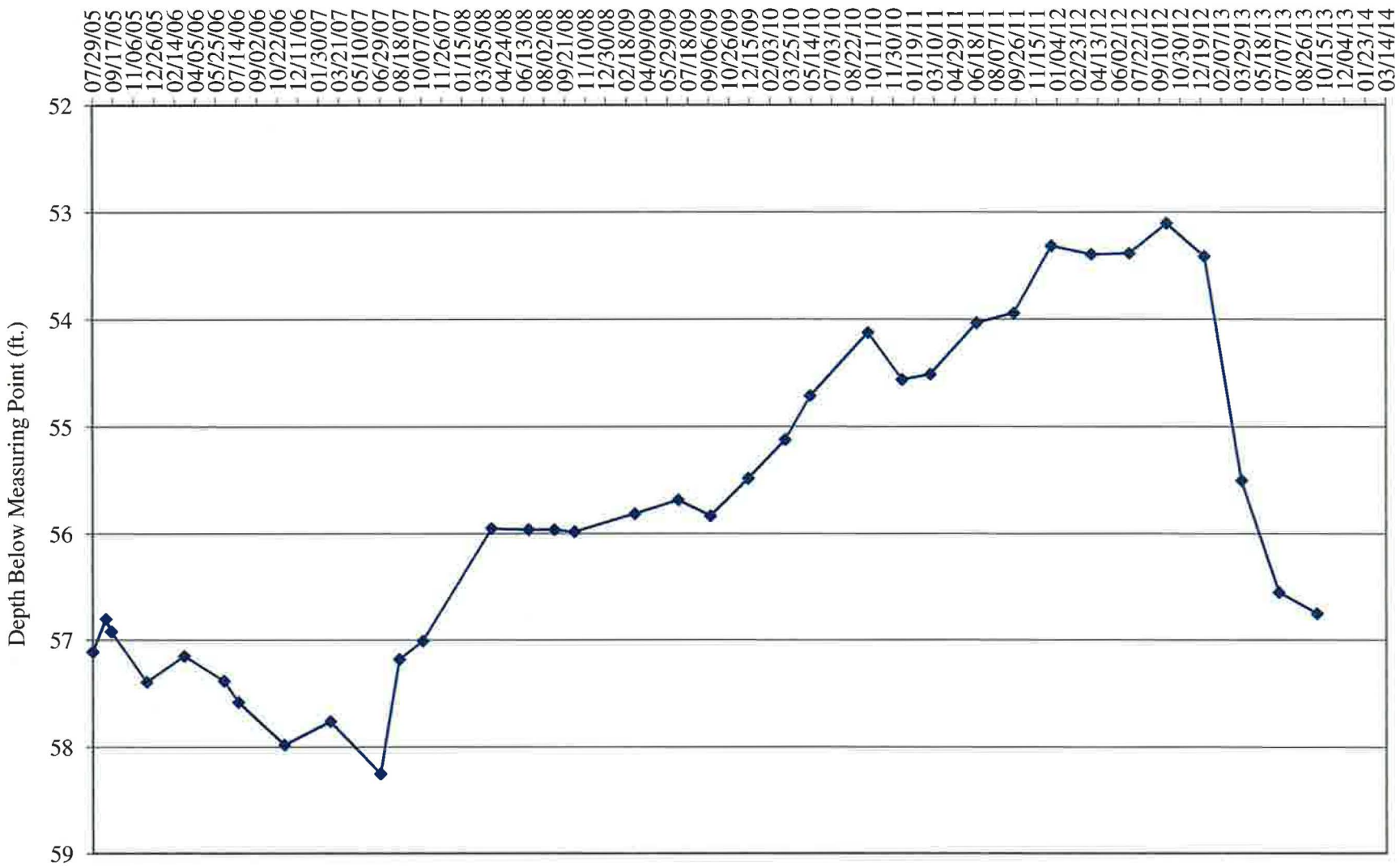
TW4-20 Water Depth Over Time (ft. blmp)



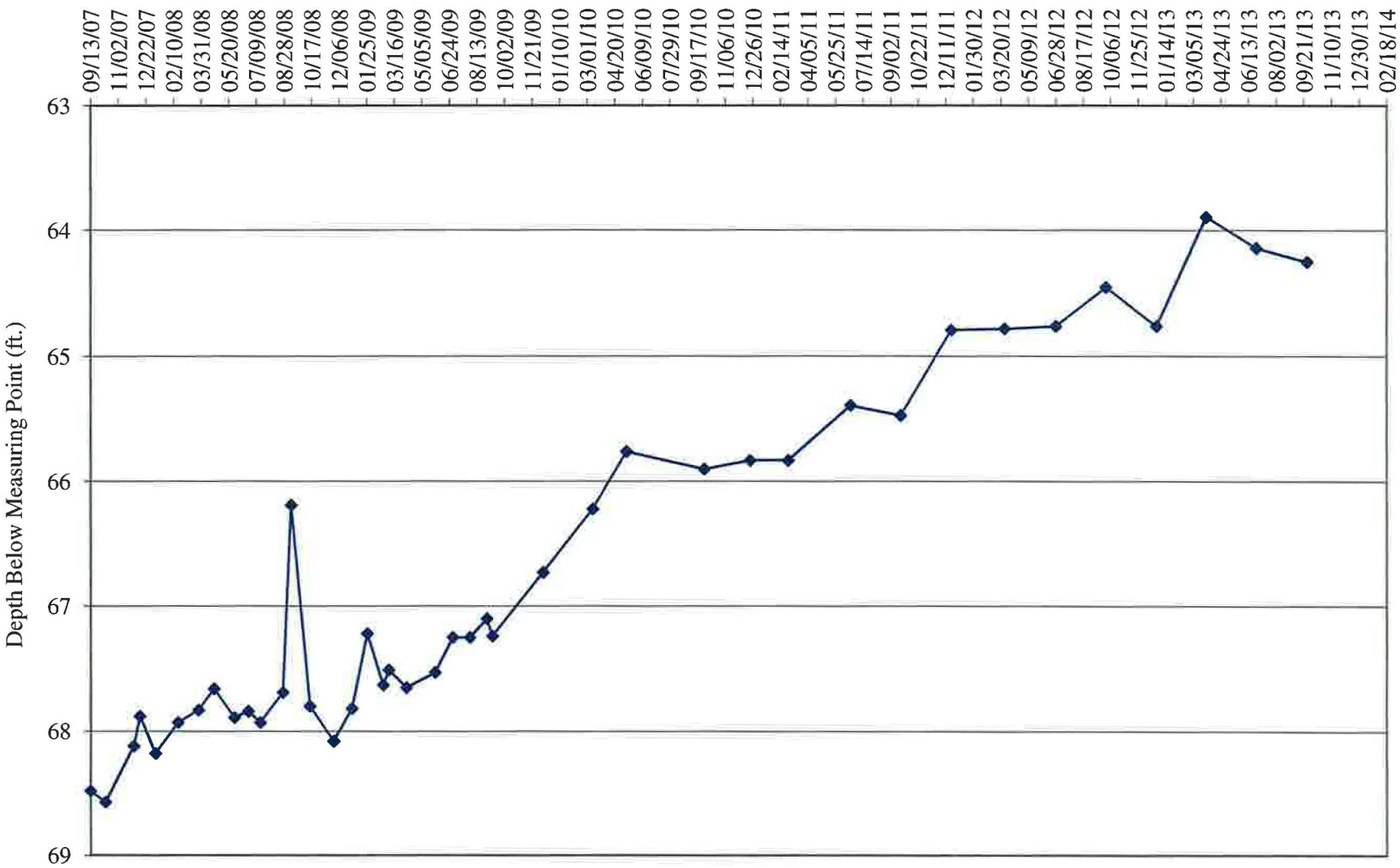
TW4-21 Water Depth Over Time (ft. blmp)



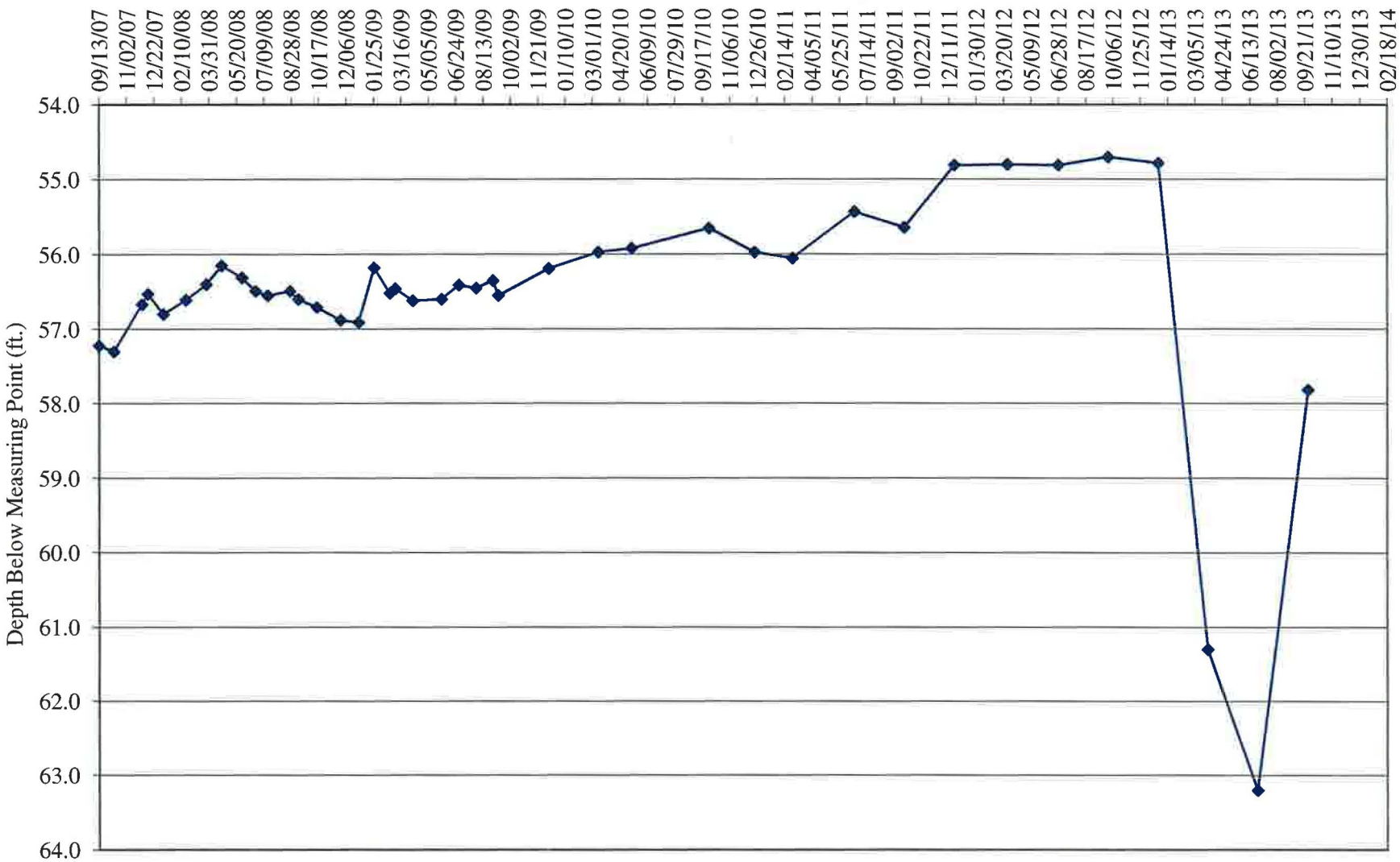
TW4-22 Water Depth Over Time (ft. blmp)



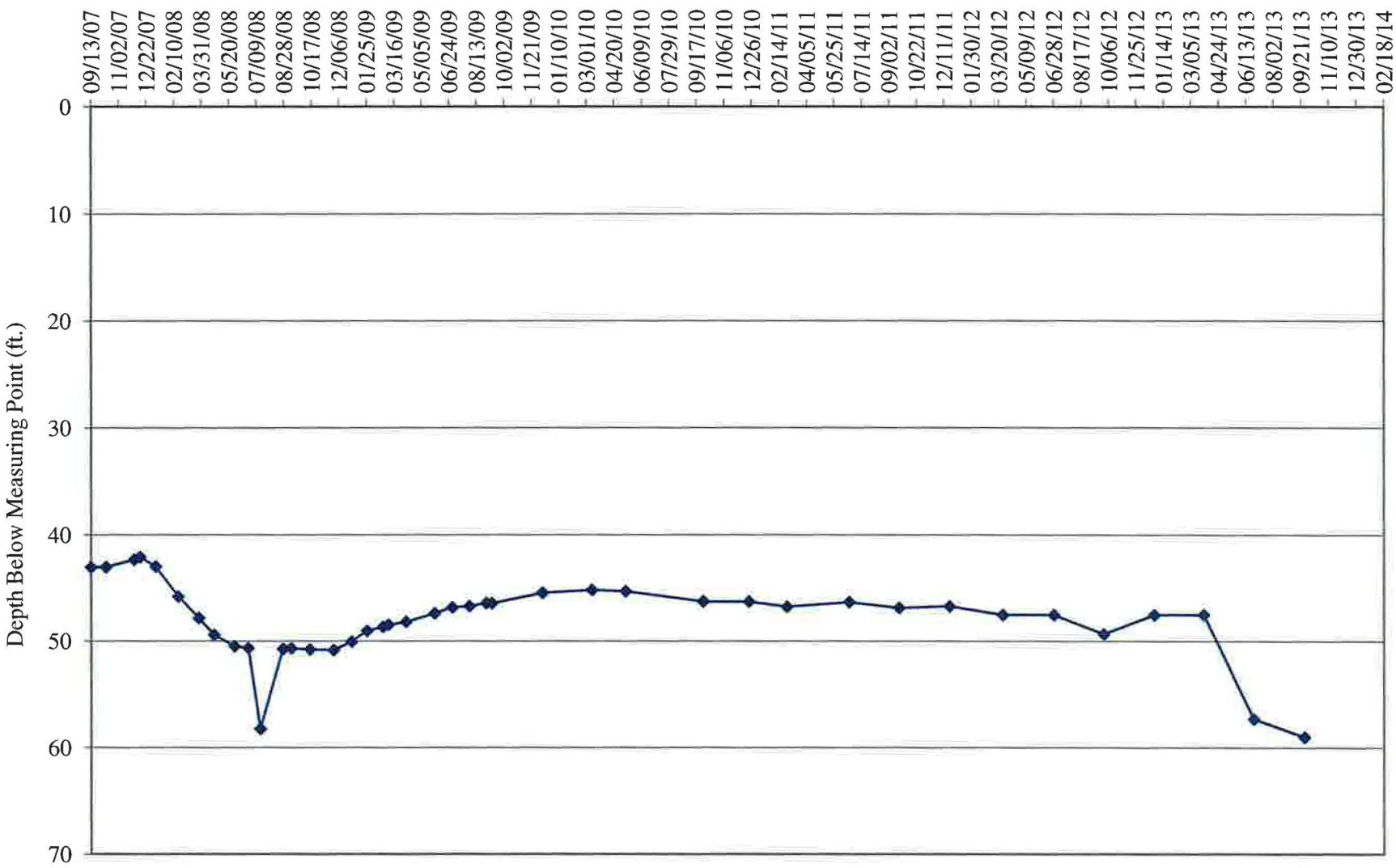
TW4-23 Water Depth Over Time (ft. blmp)

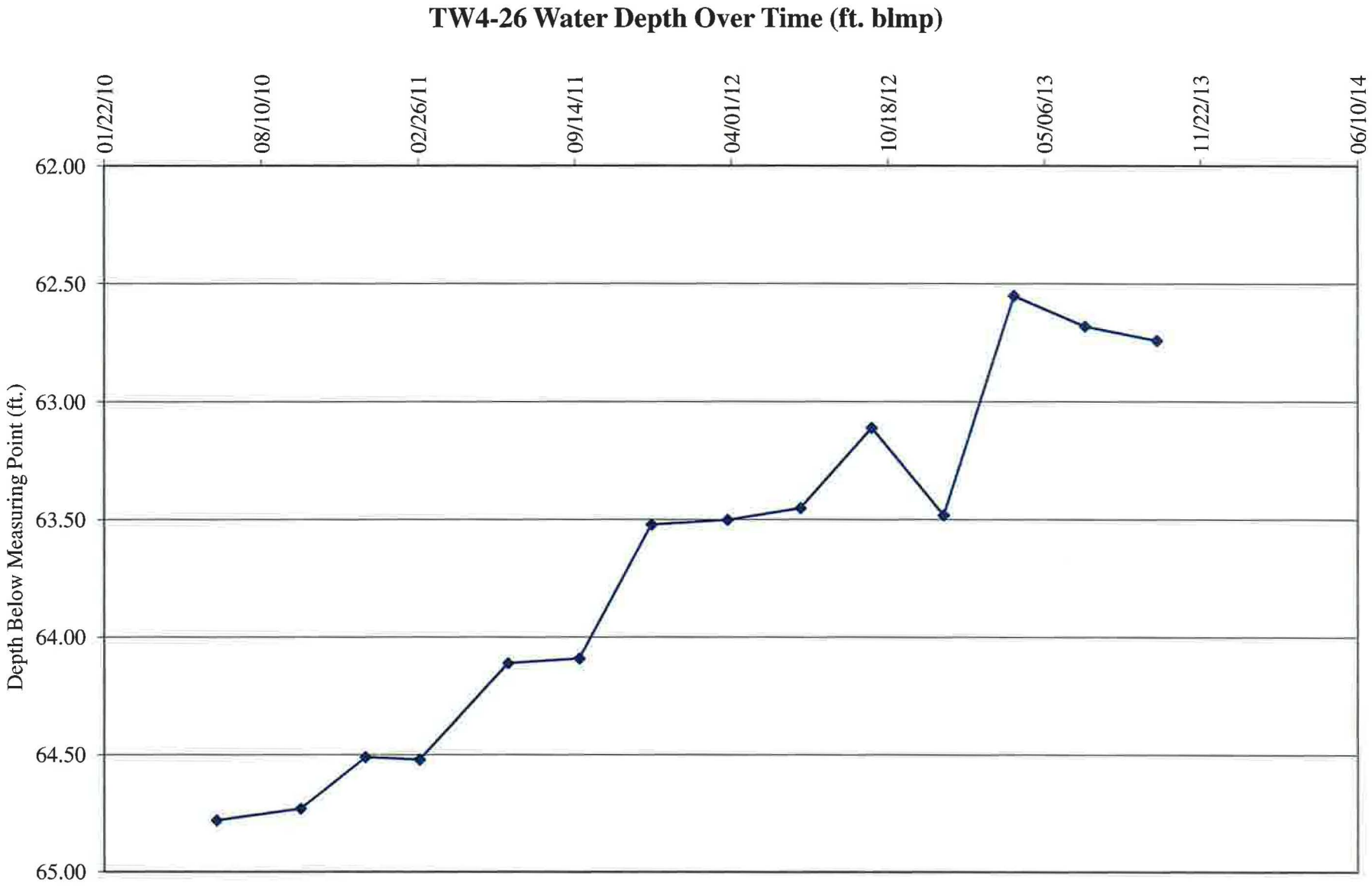


TW4-24 Water Depth Over Time (ft. blmp)

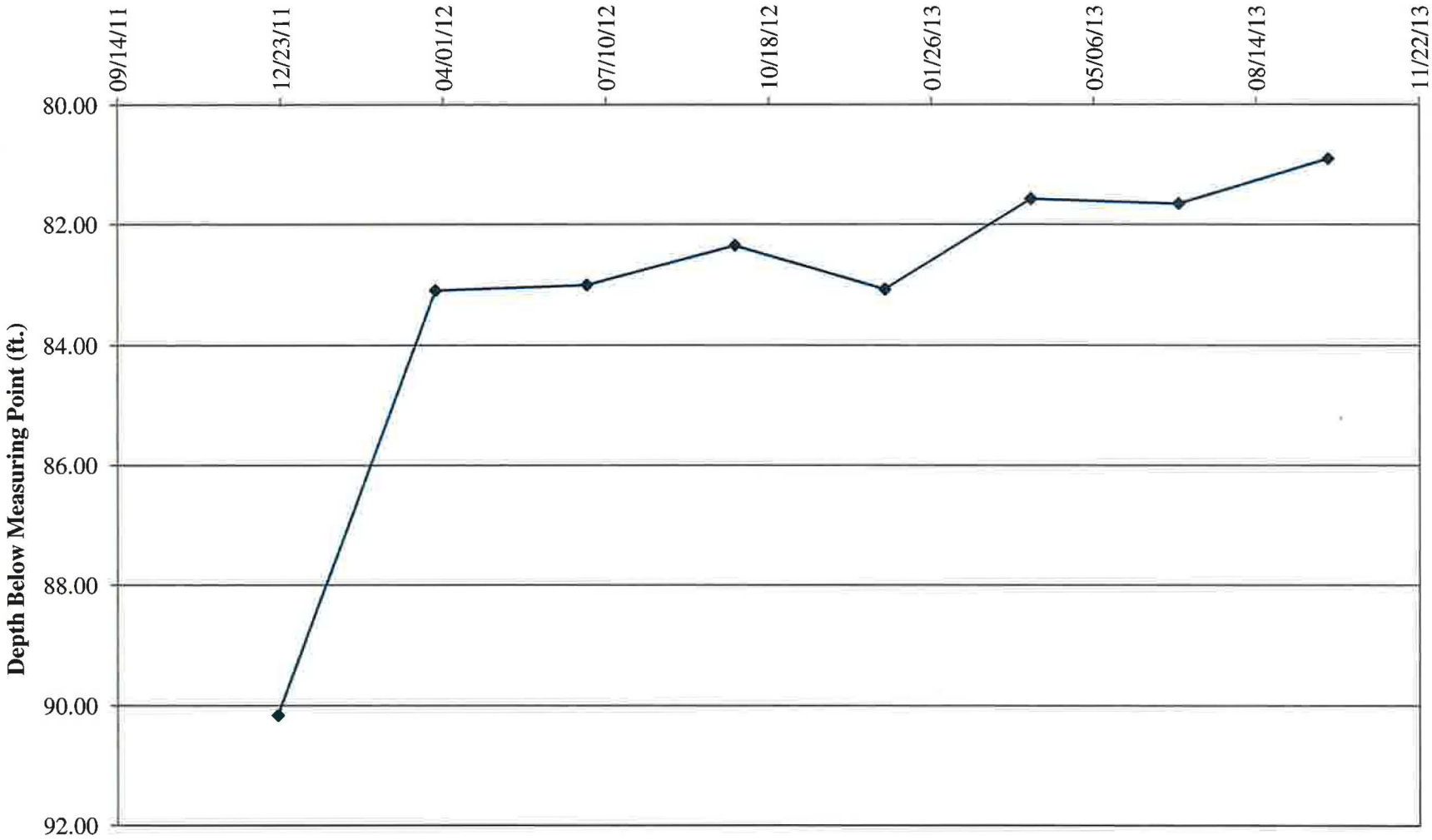


TW4-25 Water Depth Over Time (ft. blmp)

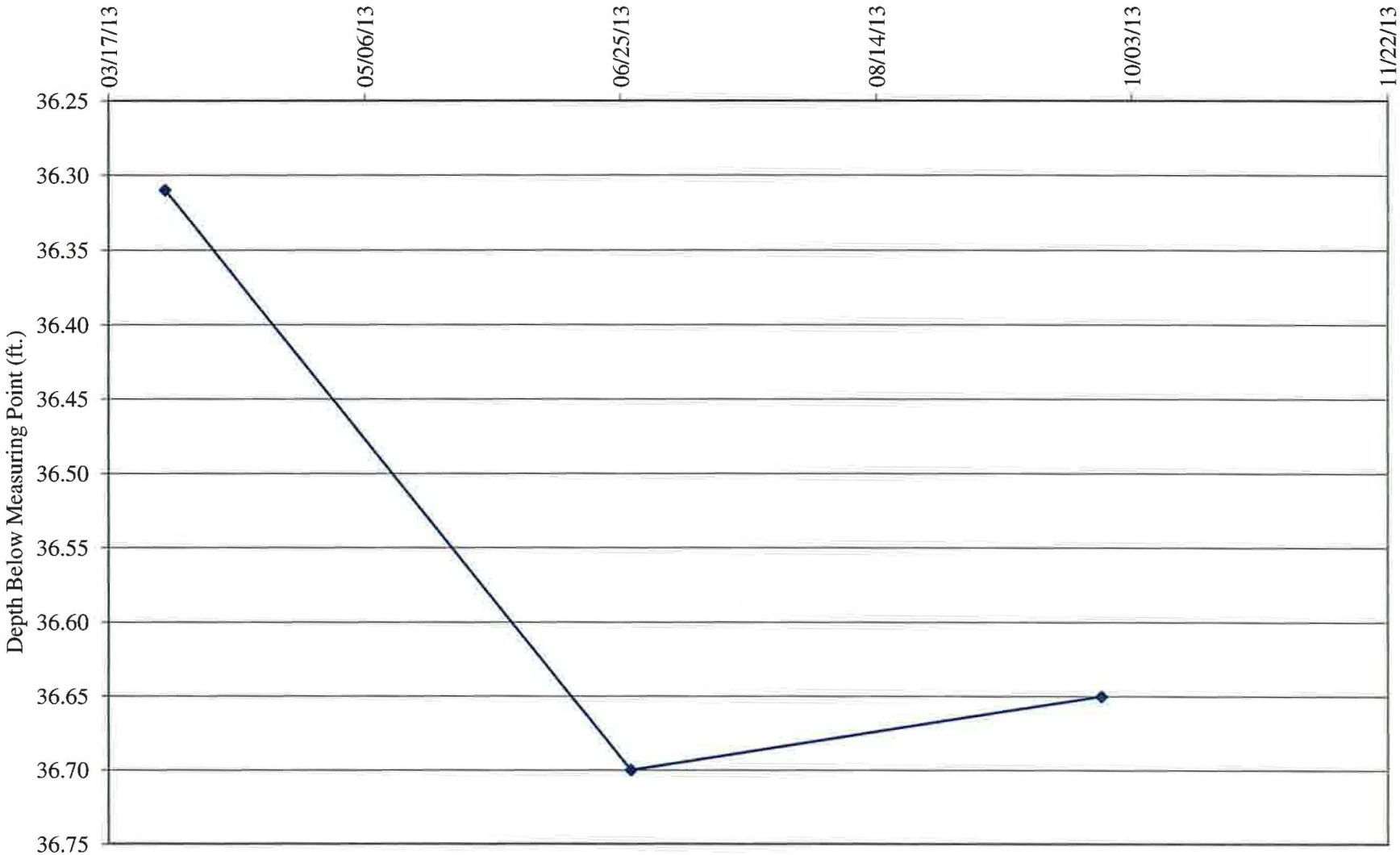



TW4-26 Water Depth Over Time (ft. blmp)
01/22/10
08/10/10
02/26/11
09/14/11
04/01/12
10/18/12
05/06/13
11/22/13
06/10/14
62.00
62.50
63.00
63.50
64.00
64.50
65.00
Depth Below Measuring Point (ft.)

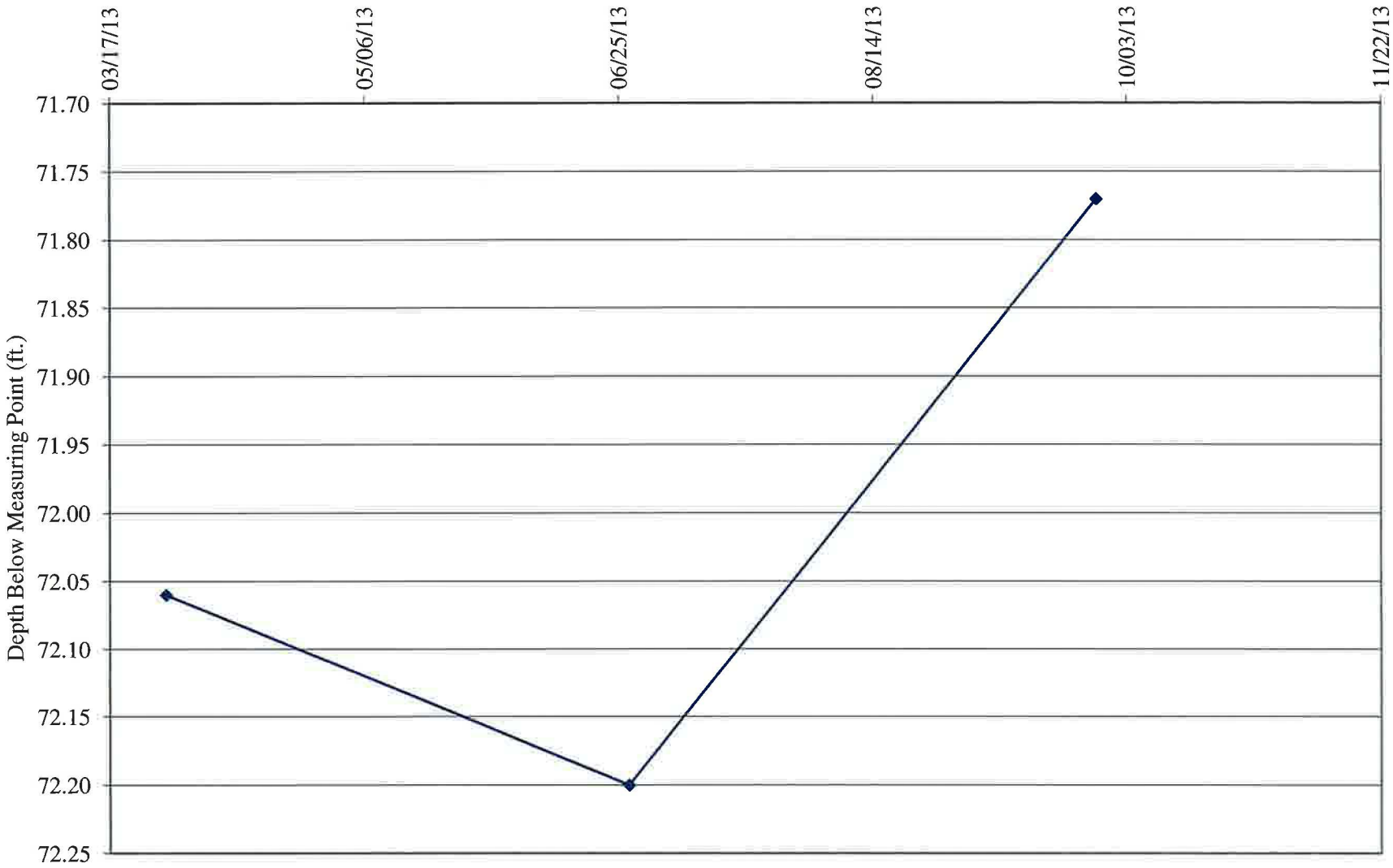
TW4-27 Water Depth Over Time (ft. blmp)



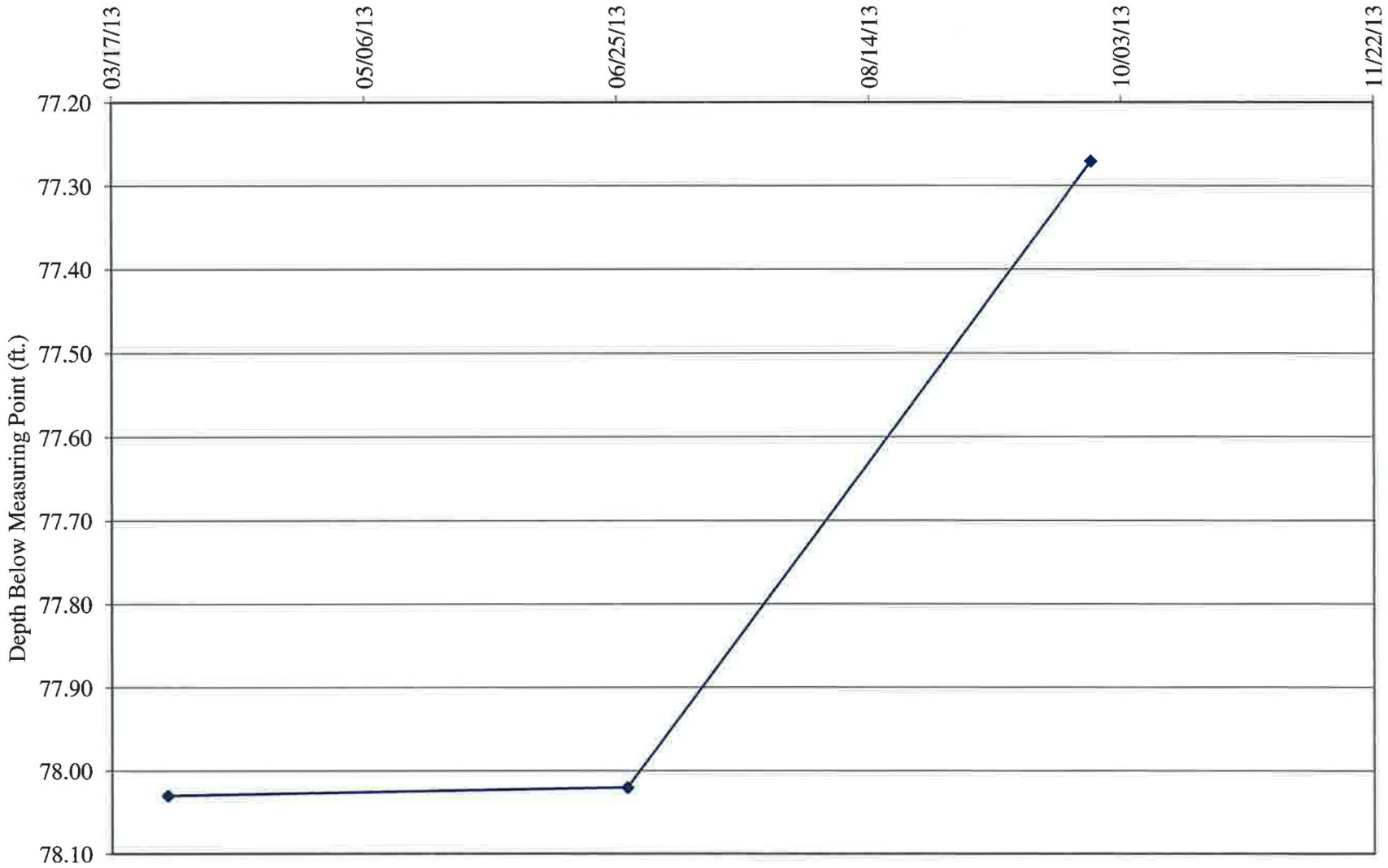
TW4-28 Water Depth Over Time (ft. blmp)



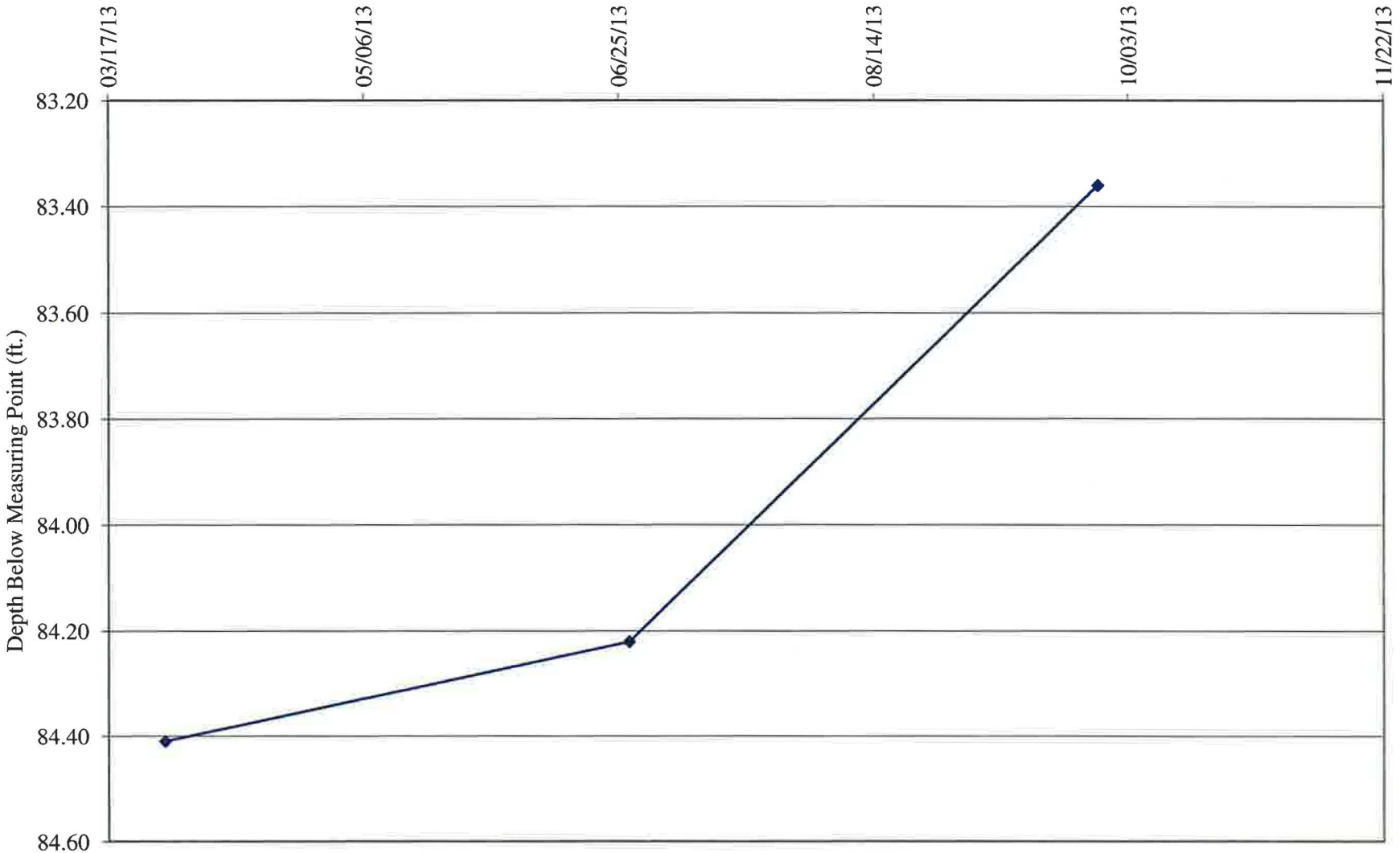
TW4-29 Water Depth Over Time (ft. blmp)



TW4-30 Water Depth Over Time (ft. blmp)



TW4-31 Water Depth Over Time (ft. blmp)



Tab G

Depths to Groundwater and Elevations Over Time for Chloroform Monitoring Wells

Water Levels and Data over Time
White Mesa Mill - Well MW4

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,527.63				09/25/79	94.70	93.14	
5,527.63				10/10/79	94.70	93.14	
5,528.43				01/10/80	93.90	92.34	
5,529.93				03/20/80	92.40	90.84	
5,528.03				06/17/80	94.30	92.74	
5,528.03				09/15/80	94.30	92.74	
5,527.93				10/08/80	94.40	92.84	
5,527.93				02/12/81	94.40	92.84	
5,525.93				09/01/84	96.40	94.84	
5,528.33				12/01/84	94.00	92.44	
5,528.13				02/01/85	94.20	92.64	
5,528.33				06/01/85	94.00	92.44	
5,528.93				09/01/85	93.40	91.84	
5,528.93				10/01/85	93.40	91.84	
5,528.93				11/01/85	93.40	91.84	
5,528.83				12/01/85	93.50	91.94	
5,512.33				03/01/86	110.00	108.44	
5,528.91				06/19/86	93.42	91.86	
5,528.83				09/01/86	93.50	91.94	
5,529.16				12/01/86	93.17	91.61	
5,526.66				02/20/87	95.67	94.11	
5,529.16				04/28/87	93.17	91.61	
5,529.08				08/14/87	93.25	91.69	
5,529.00				11/20/87	93.33	91.77	
5,528.75				01/26/88	93.58	92.02	
5,528.91				06/01/88	93.42	91.86	
5,528.25				08/23/88	94.08	92.52	
5,529.00				11/02/88	93.33	91.77	
5,528.33				03/09/89	94.00	92.44	
5,529.10				06/21/89	93.23	91.67	
5,529.06				09/01/89	93.27	91.71	
5,529.21				11/15/89	93.12	91.56	
5,529.22				02/16/90	93.11	91.55	
5,529.43				05/08/90	92.90	91.34	
5,529.40				08/07/90	92.93	91.37	
5,529.53				11/13/90	92.80	91.24	
5,529.86				02/27/91	92.47	90.91	
5,529.91				05/21/91	92.42	90.86	
5,529.77				08/27/91	92.56	91.00	
5,529.79				12/03/91	92.54	90.98	
5,530.13				03/17/92	92.20	90.64	
5,529.85				06/11/92	92.48	90.92	
5,529.90				09/13/92	92.43	90.87	

Water Levels and Data over Time
White Mesa Mill - Well MW4

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,529.92				12/09/92	92.41	90.85	
5,530.25				03/24/93	92.08	90.52	
5,530.20				06/08/93	92.13	90.57	
5,530.19				09/22/93	92.14	90.58	
5,529.75				12/14/93	92.58	91.02	
5,530.98				03/24/94	91.35	89.79	
5,531.35				06/15/94	90.98	89.42	
5,531.62				08/18/94	90.71	89.15	
5,532.58				12/13/94	89.75	88.19	
5,533.42				03/16/95	88.91	87.35	
5,534.70				06/27/95	87.63	86.07	
5,535.44				09/20/95	86.89	85.33	
5,537.16				12/11/95	85.17	83.61	
5,538.37				03/28/96	83.96	82.40	
5,539.10				06/07/96	83.23	81.67	
5,539.13				09/16/96	83.20	81.64	
5,542.29				03/20/97	80.04	78.48	
5,551.58				04/07/99	70.75	69.19	
5,552.08				05/11/99	70.25	68.69	
5,552.83				07/06/99	69.50	67.94	
5,553.47				09/28/99	68.86	67.30	
5,554.63				01/03/00	67.70	66.14	
5,555.13				04/04/00	67.20	65.64	
5,555.73				05/02/00	66.60	65.04	
5,556.03				05/11/00	66.30	64.74	
5,555.73				05/15/00	66.60	65.04	
5,555.98				05/25/00	66.35	64.79	
5,556.05				06/09/00	66.28	64.72	
5,556.18				06/16/00	66.15	64.59	
5,556.05				06/26/00	66.28	64.72	
5,556.15				07/06/00	66.18	64.62	
5,556.18				07/13/00	66.15	64.59	
5,556.17				07/18/00	66.16	64.60	
5,556.26				07/25/00	66.07	64.51	
5,556.35				08/02/00	65.98	64.42	
5,556.38				08/09/00	65.95	64.39	
5,556.39				08/15/00	65.94	64.38	
5,556.57				08/31/00	65.76	64.20	
5,556.68				09/08/00	65.65	64.09	
5,556.73				09/13/00	65.60	64.04	
5,556.82				09/20/00	65.51	63.95	
5,556.84				09/29/00	65.49	63.93	
5,556.81				10/05/00	65.52	63.96	

Water Levels and Data over Time
White Mesa Mill - Well MW4

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,556.89				10/12/00	65.44	63.88	
5,556.98				10/19/00	65.35	63.79	
5,557.01				10/23/00	65.32	63.76	
5,557.14				11/09/00	65.19	63.63	
5,557.17				11/14/00	65.16	63.60	
5,556.95				11/21/00	65.38	63.82	
5,557.08				11/30/00	65.25	63.69	
5,557.55				12/07/00	64.78	63.22	
5,557.66				01/14/01	64.67	63.11	
5,557.78				02/09/01	64.55	62.99	
5,558.28				03/29/01	64.05	62.49	
5,558.23				04/30/01	64.10	62.54	
5,558.31				05/31/01	64.02	62.46	
5,558.49				06/22/01	63.84	62.28	
5,558.66				07/10/01	63.67	62.11	
5,559.01				08/20/01	63.32	61.76	
5,559.24				09/19/01	63.09	61.53	
5,559.26				10/02/01	63.07	61.51	
5,559.27				11/08/01	63.06	61.50	
5,559.77				12/03/01	62.56	61.00	
5,559.78				01/03/02	62.55	60.99	
5,559.96				02/06/02	62.37	60.81	
5,560.16				03/26/02	62.17	60.61	
5,560.28				04/09/02	62.05	60.49	
5,560.76				05/23/02	61.57	60.01	
5,560.58				06/05/02	61.75	60.19	
5,560.43				07/08/02	61.90	60.34	
5,560.44				08/23/02	61.89	60.33	
5,560.71				09/11/02	61.62	60.06	
5,560.89				10/23/02	61.44	59.88	
5,557.86				11/22/02	64.47	62.91	
5,561.10				12/03/02	61.23	59.67	
5,561.39				01/09/03	60.94	59.38	
5,561.41				02/12/03	60.92	59.36	
5,561.93				03/26/03	60.40	58.84	
5,561.85				04/02/03	60.48	58.92	
5,536.62				05/01/03	85.71	84.15	
5,528.56				06/09/03	93.77	92.21	
5,535.28				07/07/03	87.05	85.49	
5,534.44				08/04/03	87.89	86.33	
5,537.10				09/11/03	85.23	83.67	
5,539.96				10/02/03	82.37	80.81	
5,535.91				11/07/03	86.42	84.86	

Water Levels and Data over Time
White Mesa Mill - Well MW4

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,550.70				12/03/03	71.63	70.07	
5,557.58				01/15/04	64.75	63.19	
5,558.80				02/10/04	63.53	61.97	
5,560.08				03/28/04	62.25	60.69	
5,560.55				04/12/04	61.78	60.22	
5,561.06				05/13/04	61.27	59.71	
5,561.48				06/18/04	60.85	59.29	
5,561.86				07/28/04	60.47	58.91	
5,529.17				08/30/04	93.16	91.60	
5,536.55				09/16/04	85.78	84.22	
5,529.00				10/11/04	93.33	91.77	
5,541.55				11/16/04	80.78	79.22	
5,541.12				12/22/04	81.21	79.65	
5,540.59				01/18/05	81.74	80.18	
5,542.85				02/28/05	79.48	77.92	
5,537.91				03/15/05	84.42	82.86	
5,548.67				04/26/05	73.66	72.10	
5,549.53				05/24/05	72.80	71.24	
5,544.36				06/30/05	77.97	76.41	
5,545.16				07/29/05	77.17	75.61	
5,544.67				09/12/05	77.66	76.10	
5,541.28				09/27/05	81.05	79.49	
5,536.96				12/07/05	85.37	83.81	
5,546.49				03/08/06	75.84	74.28	
5,546.15				06/13/06	76.18	74.62	
5,545.15				07/18/06	77.18	75.62	
5,545.91				11/17/06	76.42	74.86	
5,545.90				02/27/07	76.43	74.87	
5,548.16				05/02/07	74.17	72.61	
5,547.20				08/13/07	75.13	73.57	
5,547.20				10/10/07	75.13	73.57	
5,547.79				03/26/08	74.54	72.98	
5,545.09				06/25/08	77.24	75.68	
5,550.36				08/26/08	71.97	70.41	
5,550.39				10/14/08	71.94	70.38	
5,542.25				03/03/09	80.08	78.52	
5,542.25				06/24/09	80.08	78.52	
5,550.19				09/10/09	72.14	70.58	
5,550.94				12/11/09	71.39	69.83	
5,546.08				03/11/10	76.25	74.69	
5,550.98				05/11/10	71.35	69.79	
5,548.33				09/29/10	74.00	72.44	
5,551.01				12/21/10	71.32	69.76	

Water Levels and Data over Time
White Mesa Mill - Well MW4

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,547.00				02/28/11	75.33	73.77	
5,557.54				06/21/11	64.79	63.23	
5,551.14				09/20/11	71.19	69.63	
5,550.32				12/21/11	72.01	70.45	
5,551.22				03/27/12	71.11	69.55	
5,551.29				06/28/12	71.04	69.48	
5,550.29				09/27/12	72.04	70.48	
5,549.31				12/28/12	73.02	71.46	
5,552.30				03/28/13	70.03	68.47	
5,550.18				06/27/13	72.15	70.59	
5,552.55				09/27/13	69.78	68.22	

Water Levels and Data over Time
White Mesa Mill - Well TW4-1

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
z	5,620.77	5,618.58	1.02				111.04
5,537.23				11/08/99	81.35	80.33	
5,537.38				11/09/99	81.20	80.18	
5,537.48				01/02/00	81.10	80.08	
5,537.48				01/10/00	81.10	80.08	
5,537.23				01/17/00	81.35	80.33	
5,537.28				01/24/00	81.30	80.28	
5,537.28				02/01/00	81.30	80.28	
5,537.18				02/07/00	81.40	80.38	
5,537.48				02/14/00	81.10	80.08	
5,537.48				02/23/00	81.10	80.08	
5,537.58				03/01/00	81.00	79.98	
5,537.68				03/08/00	80.90	79.88	
5,537.98				03/15/00	80.60	79.58	
5,537.68				03/20/00	80.90	79.88	
5,537.68				03/29/00	80.90	79.88	
5,537.43				04/04/00	81.15	80.13	
5,537.18				04/13/00	81.40	80.38	
5,537.48				04/21/00	81.10	80.08	
5,537.68				04/28/00	80.90	79.88	
5,537.58				05/01/00	81.00	79.98	
5,537.88				05/11/00	80.70	79.68	
5,537.58				05/15/00	81.00	79.98	
5,537.88				05/25/00	80.70	79.68	
5,537.88				06/09/00	80.70	79.68	
5,537.90				06/16/00	80.68	79.66	
5,537.88				06/26/00	80.70	79.68	
5,538.10				07/06/00	80.48	79.46	
5,538.04				07/13/00	80.54	79.52	
5,538.16				07/18/00	80.42	79.40	
5,538.42				07/27/00	80.16	79.14	
5,538.56				08/02/00	80.02	79.00	
5,538.68				08/09/00	79.90	78.88	
5,538.66				08/15/00	79.92	78.90	
5,538.33				08/31/00	80.25	79.23	
5,539.18				09/01/00	79.40	78.38	
5,539.12				09/08/00	79.46	78.44	
5,539.34				09/13/00	79.24	78.22	
5,539.50				09/20/00	79.08	78.06	
5,539.69				10/05/00	78.89	77.87	
5,540.33				11/09/00	78.25	77.23	
5,540.74				12/06/00	77.84	76.82	
5,542.39				01/14/01	76.19	75.17	
5,543.69				02/02/01	74.89	73.87	

Water Levels and Data over Time
White Mesa Mill - Well TW4-1

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
z	5,620.77	5,618.58	1.02				111.04
5,544.96				03/29/01	73.62	72.60	
5,545.45				04/30/01	73.13	72.11	
5,545.89				05/31/01	72.69	71.67	
5,546.19				06/21/01	72.39	71.37	
5,546.50				07/10/01	72.08	71.06	
5,547.18				08/20/01	71.40	70.38	
5,547.59				09/19/01	70.99	69.97	
5,547.84				10/02/01	70.74	69.72	
5,548.12				11/08/01	70.46	69.44	
5,548.65				12/03/01	69.93	68.91	
5,548.87				01/03/02	69.71	68.69	
5,549.37				02/06/02	69.21	68.19	
5,550.00				03/26/02	68.58	67.56	
5,550.22				04/09/02	68.36	67.34	
5,550.81				05/23/02	67.77	66.75	
5,550.79				06/05/02	67.79	66.77	
5,551.08				07/08/02	67.50	66.48	
5,551.54				08/23/02	67.04	66.02	
5,551.79				09/11/02	66.79	65.77	
5,552.19				10/23/02	66.39	65.37	
5,552.27				11/22/02	66.31	65.29	
5,552.48				12/03/02	66.10	65.08	
5,552.74				01/09/03	65.84	64.82	
5,552.92				02/12/03	65.66	64.64	
5,553.40				03/26/03	65.18	64.16	
5,553.48				04/02/03	65.10	64.08	
5,552.32				05/01/03	66.26	65.24	
5,550.53				06/09/03	68.05	67.03	
5,550.09				07/07/03	68.49	67.47	
5,549.64				08/04/03	68.94	67.92	
5,549.31				09/11/03	69.27	68.25	
5,549.58				10/02/03	69.00	67.98	
5,549.50				11/07/03	69.08	68.06	
5,550.07				12/03/03	68.51	67.49	
5,551.86				01/15/04	66.72	65.70	
5,552.57				02/10/04	66.01	64.99	
5,553.63				03/28/04	64.95	63.93	
5,554.04				04/12/04	64.54	63.52	
5,554.60				05/13/04	63.98	62.96	
5,556.28				06/18/04	62.30	61.28	
5,556.61				07/28/04	61.97	60.95	
5,554.21				08/30/04	64.37	63.35	
5,553.49				09/16/04	65.09	64.07	

Water Levels and Data over Time
White Mesa Mill - Well TW4-1

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
z	5,620.77	5,618.58	1.02				111.04
5,552.53				10/11/04	66.05	65.03	
5,552.42				11/16/04	66.16	65.14	
5,552.46				12/22/04	66.12	65.10	
5,552.07				01/18/05	66.51	65.49	
5,552.21				02/28/05	66.37	65.35	
5,552.26				03/15/05	66.32	65.30	
5,552.30				04/26/05	66.28	65.26	
5,552.25				05/24/05	66.33	65.31	
5,552.22				06/30/05	66.36	65.34	
5,552.15				07/29/05	66.43	65.41	
5,552.47				09/12/05	66.11	65.09	
5,552.50				12/07/05	66.08	65.06	
5,552.96				03/08/06	65.62	64.60	
5,553.23				06/14/06	65.35	64.33	
5,557.20				07/18/06	61.38	60.36	
5,553.32				11/07/06	65.26	64.24	
5,554.35				02/27/07	64.23	63.21	
5,554.07				05/02/07	64.51	63.49	
5,554.07				08/14/07	64.51	63.49	
5,553.88				10/10/07	64.70	63.68	
5,555.73				03/26/08	62.85	61.83	
5,556.60				06/24/08	61.98	60.96	
5,556.83				08/26/08	61.75	60.73	
5,556.87				10/14/08	61.71	60.69	
5,556.90				03/10/09	61.68	60.66	
5,556.91				06/24/09	61.67	60.65	
5,556.61				09/10/09	61.97	60.95	
5,556.78				12/11/09	61.8	60.78	
5,556.75				03/11/10	61.83	60.81	
5,556.19				05/11/10	62.39	61.37	
5,555.26				09/29/10	63.32	62.30	
5,554.66				12/21/10	63.92	62.90	
5,554.74				02/28/11	63.84	62.82	
5,554.57				06/21/11	64.01	62.99	
5,554.13				09/20/11	64.45	63.43	
5,554.54				12/21/11	64.04	63.02	
5,553.64				03/27/12	64.94	63.92	
5,553.66				06/28/12	64.92	63.90	
5,553.73				09/27/12	64.85	63.83	
5,553.59				12/28/12	64.99	63.97	
5,554.73				03/28/13	63.85	62.83	
5,554.44				06/27/13	64.14	63.12	
5,554.37				09/27/13	64.21	63.19	

Water Levels and Data over Time
White Mesa Mill - Well TW4-2

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.10	5,624.72	1.62				121.125
5,548.57				11/08/99	76.15	74.53	
5,548.57				11/09/99	76.15	74.53	
5,548.32				01/02/00	76.40	74.78	
5,548.52				01/10/00	76.20	74.58	
5,548.32				01/17/00	76.40	74.78	
5,548.72				01/24/00	76.00	74.38	
5,548.62				02/01/00	76.10	74.48	
5,548.62				02/07/00	76.10	74.48	
5,549.02				02/14/00	75.70	74.08	
5,549.12				02/23/00	75.60	73.98	
5,549.22				03/01/00	75.50	73.88	
5,549.32				03/08/00	75.40	73.78	
5,549.22				03/15/00	75.50	73.88	
5,549.92				03/20/00	74.80	73.18	
5,549.72				03/29/00	75.00	73.38	
5,549.42				04/04/00	75.30	73.68	
5,549.52				04/13/00	75.20	73.58	
5,549.72				04/21/00	75.00	73.38	
5,549.82				04/28/00	74.90	73.28	
5,549.82				05/01/00	74.90	73.28	
5,550.12				05/11/00	74.60	72.98	
5,549.82				05/15/00	74.90	73.28	
5,550.12				05/25/00	74.60	72.98	
5,550.12				06/09/00	74.60	72.98	
5,550.22				06/16/00	74.50	72.88	
5,550.07				06/26/00	74.65	73.03	
5,550.17				07/06/00	74.55	72.93	
5,550.17				07/13/00	74.55	72.93	
5,550.18				07/18/00	74.54	72.92	
5,550.33				07/27/00	74.39	72.77	
5,550.38				08/02/00	74.34	72.72	
5,550.40				08/09/00	74.32	72.70	
5,550.42				08/15/00	74.30	72.68	
5,550.54				08/31/00	74.18	72.56	
5,550.87				09/08/00	73.85	72.23	
5,550.97				09/13/00	73.75	72.13	
5,551.04				09/20/00	73.68	72.06	
5,545.83				10/05/00	78.89	77.27	
5,546.47				11/09/00	78.25	76.63	
5,546.88				12/06/00	77.84	76.22	
5,552.18				01/26/01	72.54	70.92	
5,552.20				02/02/01	72.52	70.90	
5,551.10				03/29/01	73.62	72.00	

Water Levels and Data over Time
White Mesa Mill - Well TW4-2

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.10	5,624.72	1.62				121.125
5,551.59				04/30/01	73.13	71.51	
5,552.03				05/31/01	72.69	71.07	
5,552.33				06/21/01	72.39	70.77	
5,552.64				07/10/01	72.08	70.46	
5,553.32				08/20/01	71.40	69.78	
5,553.73				09/19/01	70.99	69.37	
5,553.98				10/02/01	70.74	69.12	
5,554.14				11/08/01	70.58	68.96	
5,554.79				12/03/01	69.93	68.31	
5,554.74				01/03/02	69.98	68.36	
5,554.91				02/06/02	69.81	68.19	
5,555.15				03/26/02	69.57	67.95	
5,555.39				04/09/02	69.33	67.71	
5,555.73				05/23/02	68.99	67.37	
5,555.79				06/05/02	68.93	67.31	
5,555.91				07/08/02	68.81	67.19	
5,556.04				08/23/02	68.68	67.06	
5,556.25				09/11/02	68.47	66.85	
5,556.72				10/23/02	68.00	66.38	
5,556.42				11/22/02	68.30	66.68	
5,557.01				12/03/02	67.71	66.09	
5,557.20				01/09/03	67.52	65.90	
5,557.35				02/12/03	67.37	65.75	
5,557.83				03/26/03	66.89	65.27	
5,557.87				04/02/03	66.85	65.23	
5,553.71				05/01/03	71.01	69.39	
5,548.98				06/09/03	75.74	74.12	
5,548.14				07/07/03	76.58	74.96	
5,547.75				08/04/03	76.97	75.35	
5,547.22				09/11/03	77.50	75.88	
5,547.68				10/02/03	77.04	75.42	
5,547.52				11/07/03	77.20	75.58	
5,548.29				12/03/03	76.43	74.81	
5,554.00				01/15/04	70.72	69.10	
5,555.46				02/10/04	69.26	67.64	
5,556.90				03/28/04	67.82	66.20	
5,557.49				04/12/04	67.23	65.61	
5,558.07				05/13/04	66.65	65.03	
5,558.19				06/18/04	66.53	64.91	
5,559.00				07/28/04	65.72	64.10	
5,554.26				08/30/04	70.46	68.84	
5,551.97				09/16/04	72.75	71.13	
5,549.65				10/11/04	75.07	73.45	

Water Levels and Data over Time
White Mesa Mill - Well TW4-2

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.10	5,624.72	1.62				121.125
5,549.89				11/16/04	74.83	73.21	
5,550.37				12/22/04	74.35	72.73	
5,549.95				01/18/05	74.77	73.15	
5,550.09				02/28/05	74.63	73.01	
5,550.13				03/15/05	74.59	72.97	
5,550.18				04/26/05	74.54	72.92	
5,550.32				05/24/05	74.40	72.78	
5,550.21				06/30/05	74.51	72.89	
5,550.11				07/29/05	74.61	72.99	
5,550.33				09/12/05	74.39	72.77	
5,550.29				12/07/05	74.43	72.81	
5,551.30				03/08/06	73.42	71.80	
5,551.42				06/14/06	73.3	71.68	
5,550.52				07/18/06	74.20	72.58	
5550.52				11/07/06	74.20	72.58	
5552.89				02/27/07	71.83	70.21	
5,552.06				05/02/07	72.66	71.04	
5,552.02				08/14/07	72.7	71.08	
5,552.20				10/10/07	72.52	70.90	
5,554.58				03/26/08	70.14	68.52	
5,555.23				06/24/08	69.49	67.87	
5,555.29				08/26/08	69.43	67.81	
5,555.43				10/14/08	69.29	67.67	
5,555.73				03/10/09	68.99	67.37	
5,556.25				06/24/09	68.47	66.85	
5,555.94				09/10/09	68.78	67.16	
5,556.53				12/11/09	68.19	66.57	
5,557.87				03/11/10	66.85	65.23	
5,557.63				05/11/10	67.09	65.47	
5,557.24				09/29/10	67.48	65.86	
5,557.00				12/21/10	67.72	66.10	
5,557.61				02/28/11	67.11	65.49	
5,557.58				06/21/11	67.14	65.52	
5,557.46				09/20/11	67.26	65.64	
5,557.84				12/21/11	66.88	65.26	
5,557.86				03/27/12	66.86	65.24	
5,557.87				06/28/12	66.85	65.23	
5,557.46				09/27/12	67.26	65.64	
5,557.82				12/28/12	66.9	65.28	
5,559.39				03/28/13	65.33	63.71	
5,559.21				06/27/13	65.51	63.89	
5,559.26				09/27/13	65.46	63.84	

Water Levels and Data over Time
White Mesa Mill - Well TW4-3

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.21	5,632.23	1.02				141
5,565.78				11/29/99	66.45	65.43	
5,566.93				01/02/00	65.30	64.28	
5,567.03				01/10/00	65.20	64.18	
5,566.83				01/17/00	65.40	64.38	
5,567.13				01/24/00	65.10	64.08	
5,567.33				02/01/00	64.90	63.88	
5,567.13				02/07/00	65.10	64.08	
5,567.43				02/14/00	64.80	63.78	
5,567.63				02/23/00	64.60	63.58	
5,567.73				03/01/00	64.50	63.48	
5,567.83				03/08/00	64.40	63.38	
5,567.70				03/15/00	64.53	63.51	
5,568.03				03/20/00	64.20	63.18	
5,567.93				03/29/00	64.30	63.28	
5,567.63				04/04/00	64.60	63.58	
5,567.83				04/13/00	64.40	63.38	
5,568.03				04/21/00	64.20	63.18	
5,568.23				04/28/00	64.00	62.98	
5,568.13				05/01/00	64.10	63.08	
5,568.53				05/11/00	63.70	62.68	
5,568.23				05/15/00	64.00	62.98	
5,568.53				05/25/00	63.70	62.68	
5,568.61				06/09/00	63.62	62.60	
5,568.69				06/16/00	63.54	62.52	
5,568.45				06/26/00	63.78	62.76	
5,568.61				07/06/00	63.62	62.60	
5,568.61				07/06/00	63.62	62.60	
5,568.49				07/13/00	63.74	62.72	
5,568.55				07/18/00	63.68	62.66	
5,568.65				07/27/00	63.58	62.56	
5,568.73				08/02/00	63.50	62.48	
5,568.77				08/09/00	63.46	62.44	
5,568.76				08/16/00	63.47	62.45	
5,568.95				08/31/00	63.28	62.26	
5,568.49				09/08/00	63.74	62.72	
5,568.67				09/13/00	63.56	62.54	
5,568.96				09/20/00	63.27	62.25	
5,568.93				10/05/00	63.3	62.28	
5,569.34				11/09/00	62.89	61.87	
5,568.79				12/06/00	63.44	62.42	
5,569.11				01/03/01	63.12	62.10	
5,569.75				02/09/01	62.48	61.46	
5,570.34				03/28/01	61.89	60.87	

Water Levels and Data over Time
White Mesa Mill - Well TW4-3

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.21	5,632.23	1.02				141
5,570.61				04/30/01	61.62	60.60	
5,570.70				05/31/01	61.53	60.51	
5,570.88				06/21/01	61.35	60.33	
5,571.02				07/10/01	61.21	60.19	
5,571.70				08/20/01	60.53	59.51	
5,572.12				09/19/01	60.11	59.09	
5,572.08				10/02/01	60.15	59.13	
5,572.78				11/08/01	59.45	58.43	
5,573.27				12/03/01	58.96	57.94	
5,573.47				01/03/02	58.76	57.74	
5,573.93				02/06/02	58.30	57.28	
5,574.75				03/26/02	57.48	56.46	
5,574.26				04/09/02	57.97	56.95	
5,575.39				05/23/02	56.84	55.82	
5,574.84				06/05/02	57.39	56.37	
5,575.33				07/08/02	56.90	55.88	
5,575.79				08/23/02	56.44	55.42	
5,576.08				09/11/02	56.15	55.13	
5,576.30				10/23/02	55.93	54.91	
5,576.35				11/22/02	55.88	54.86	
5,576.54				12/03/02	55.69	54.67	
5,576.96				01/09/03	55.27	54.25	
5,577.11				02/12/03	55.12	54.10	
5,577.61				03/26/03	54.62	53.60	
5,572.80				04/02/03	59.43	58.41	
5,577.89				05/01/03	54.34	53.32	
5,577.91				06/09/03	54.32	53.30	
5,577.53				07/07/03	54.70	53.68	
5,577.50				08/04/03	54.73	53.71	
5,577.71				09/11/03	54.52	53.50	
5,577.31				10/02/03	54.92	53.90	
5,577.33				11/07/03	54.90	53.88	
5,577.34				12/03/03	54.89	53.87	
5,578.24				01/15/04	53.99	52.97	
5,578.38				02/10/04	53.85	52.83	
5,578.69				03/28/04	53.54	52.52	
5,579.15				04/12/04	53.08	52.06	
5,579.47				05/13/04	52.76	51.74	
5,579.53				06/18/04	52.70	51.68	
5,580.17				07/28/04	52.06	51.04	
5,580.20				08/30/04	52.03	51.01	
5,580.26				09/16/04	51.97	50.95	
5,580.12				10/11/04	52.11	51.09	

Water Levels and Data over Time
White Mesa Mill - Well TW4-3

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.21	5,632.23	1.02				141
5,579.93				11/16/04	52.30	51.28	
5,580.07				12/22/04	52.16	51.14	
5,579.80				01/18/05	52.43	51.41	
5,580.35				02/28/05	51.88	50.86	
5,580.57				03/15/05	51.66	50.64	
5,580.86				04/26/05	51.37	50.35	
5,581.20				05/24/05	51.03	50.01	
5,581.51				06/30/05	50.72	49.70	
5,581.55				07/29/05	50.68	49.66	
5,581.68				09/12/05	50.55	49.53	
5,581.83				12/07/05	50.4	49.38	
5,564.92				03/08/06	67.31	66.29	
5,582.73				06/13/06	49.50	48.48	
5,582.33				07/18/06	49.90	48.88	
5,582.75				11/07/06	49.48	48.46	
5583.35				02/27/07	48.88	47.86	
5,559.57				05/02/07	72.66	71.64	
5,583.29				08/14/07	48.94	47.92	
5,583.49				10/10/07	48.74	47.72	
5,584.95				03/26/08	47.28	46.26	
5,584.59				06/24/08	47.64	46.62	
5,584.55				08/26/08	47.68	46.66	
5,584.03				10/14/08	48.2	47.18	
5,583.64				03/03/09	48.59	47.57	
5,587.34				06/24/09	44.89	43.87	
5,582.90				09/10/09	49.33	48.31	
5,583.27				12/11/09	48.96	47.94	
5,583.63				03/11/10	48.6	47.58	
5,583.82				05/11/10	48.41	47.39	
5,583.51				09/29/10	48.72	47.70	
5,582.86				12/21/10	49.37	48.35	
5,582.60				02/28/11	49.63	48.61	
5,590.00				06/21/11	42.23	41.21	
5,582.70				09/20/11	49.53	48.51	
5,583.05				12/21/11	49.18	48.16	
5,581.93				03/27/12	50.30	49.28	
5,582.03				06/28/12	50.20	49.18	
5,582.08				09/27/12	50.15	49.13	
5,581.94				12/28/12	50.29	49.27	
5,581.52				03/28/13	50.71	49.69	
5,580.88				06/27/13	51.35	50.33	

Water Levels and Data over Time
White Mesa Mill - Well TW4-4

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,612.301	5,613.485	1.184				114.5
5,512.145				05/25/00	101.34	100.16	
5,518.985				06/09/00	94.50	93.32	
5,512.145				06/16/00	101.34	100.16	
5,517.465				06/26/00	96.02	94.84	
5,520.145				07/06/00	93.34	92.16	
5,521.435				07/13/00	92.05	90.87	
5,522.005				07/18/00	91.48	90.30	
5,522.945				07/27/00	90.54	89.36	
5,523.485				08/02/00	90.00	88.82	
5,523.845				08/09/00	89.64	88.46	
5,523.885				08/15/00	89.60	88.42	
5,524.555				09/01/00	88.93	87.75	
5,513.235				09/08/00	100.25	99.07	
5,516.665				09/13/00	96.82	95.64	
5,519.085				09/20/00	94.40	93.22	
5,522.165				10/05/00	91.32	90.14	
5,524.665				11/09/00	88.82	87.64	
5,518.545				12/06/00	94.94	93.76	
5,527.695				01/03/01	85.79	84.61	
5,529.085				02/09/01	84.40	83.22	
5,529.535				03/27/01	83.95	82.77	
5,530.235				04/30/01	83.25	82.07	
5,530.265				05/31/01	83.22	82.04	
5,534.405				06/22/01	79.08	77.90	
5,533.145				07/10/01	80.34	79.16	
5,534.035				08/20/01	79.45	78.27	
5,534.465				09/19/01	79.02	77.84	
5,533.285				10/02/01	80.20	79.02	
5,533.865				11/08/01	79.62	78.44	
5,534.275				12/03/01	79.21	78.03	
5,534.715				01/03/02	78.77	77.59	
5,535.435				02/06/02	78.05	76.87	
5,536.445				03/26/02	77.04	75.86	
5,536.405				04/09/02	77.08	75.90	
5,537.335				05/23/02	76.15	74.97	
5,537.325				06/05/02	76.16	74.98	
5,537.975				07/08/02	75.51	74.33	
5,538.825				08/23/02	74.66	73.48	
5,539.275				09/11/02	74.21	73.03	
5,539.765				10/23/02	73.72	72.54	
5,540.205				11/22/02	73.28	72.10	
5,540.295				12/03/02	73.19	72.01	
5,540.795				01/09/03	72.69	71.51	

Water Levels and Data over Time
White Mesa Mill - Well TW4-4

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,612.301	5,613.485	1.184				114.5
5,540.985				02/12/03	72.50	71.32	
5,541.675				03/26/03	71.81	70.63	
5,541.765				04/02/03	71.72	70.54	
5,541.885				05/01/03	71.60	70.42	
5,542.025				06/09/03	71.46	70.28	
5,541.925				07/07/03	71.56	70.38	
5,541.885				08/04/03	71.60	70.42	
5,541.825				09/11/03	71.66	70.48	
5,541.885				10/02/03	71.60	70.42	
5,541.995				11/07/03	71.49	70.31	
5,542.005				12/03/03	71.48	70.30	
5,542.555				01/15/04	70.93	69.75	
5,542.705				02/10/04	70.78	69.60	
5,543.225				03/28/04	70.26	69.08	
5,543.555				04/12/04	69.93	68.75	
5,543.865				05/13/04	69.62	68.44	
5,543.915				06/18/04	69.57	68.39	
5,544.655				07/28/04	68.83	67.65	
5,544.795				08/30/04	68.69	67.51	
5,544.845				09/16/04	68.64	67.46	
5,544.705				10/11/04	68.78	67.60	
5,544.525				11/16/04	68.96	67.78	
5,544.625				12/22/04	68.86	67.68	
5,544.305				01/18/05	69.18	68.00	
5,544.585				02/28/05	68.90	67.72	
5,544.685				03/15/05	68.80	67.62	
5,544.675				04/26/05	68.81	67.63	
5,544.785				05/24/05	68.70	67.52	
5,544.795				06/30/05	68.69	67.51	
5,544.775				07/29/05	68.71	67.53	
5,545.005				09/12/05	68.48	67.30	
5,545.225				12/07/05	68.26	67.08	
5,545.735				03/08/06	67.75	66.57	
5,545.785				06/14/06	67.70	66.52	
5,545.855				07/18/06	67.63	66.45	
5,545.805				11/07/06	67.68	66.50	
5546.675				02/27/07	66.81	65.63	
5,546.535				05/02/07	66.95	65.77	
5,547.155				08/15/07	66.33	65.15	
5,547.215				10/10/07	66.27	65.09	
5,548.305				03/26/08	65.18	64.00	
5,548.865				06/24/08	64.62	63.44	
5,549.235				08/26/08	64.25	63.07	

Water Levels and Data over Time
White Mesa Mill - Well TW4-4

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,612.301	5,613.485	1.184				114.5
5,549.305				10/14/08	64.18	63.00	
5,549.725				03/03/09	63.76	62.58	
5,549.905				06/24/09	63.58	62.40	
5,549.695				09/10/09	63.79	62.61	
5,549.865				12/11/09	63.62	62.44	
5,545.60				03/11/10	67.89	66.71	
5,530.88				05/11/10	82.61	81.43	
5,545.24				09/29/10	68.25	67.07	
5,533.66				12/21/10	79.83	78.65	
5,544.44				02/28/11	69.05	67.87	
5,543.73				06/21/11	69.76	68.58	
5,540.48				09/20/11	73.01	71.83	
5,544.36				12/21/11	69.13	67.95	
5,543.48				03/27/12	70.01	68.83	
5,543.49				06/28/12	70.00	68.82	
5,543.36				09/27/12	70.13	68.95	
5,543.51				12/28/12	69.98	68.80	
5,543.49				03/28/13	70.00	68.82	
5,543.36				06/27/13	70.13	68.95	
5,544.59				09/27/13	68.90	67.72	

Water Levels and Data over Time
White Mesa Mill - Well TW4-5

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.75	5,640.70	1.95				121.75
5,579.30				01/02/00	61.40	59.45	
5,579.60				01/10/00	61.10	59.15	
5,579.35				01/17/00	61.35	59.40	
5,579.60				01/24/00	61.10	59.15	
5,579.50				02/01/00	61.20	59.25	
5,579.50				02/07/00	61.20	59.25	
5,579.90				02/14/00	60.80	58.85	
5,579.90				02/23/00	60.80	58.85	
5,580.20				03/01/00	60.50	58.55	
5,580.00				03/08/00	60.70	58.75	
5,580.04				03/15/00	60.66	58.71	
5,580.70				03/20/00	60.00	58.05	
5,580.30				03/29/00	60.40	58.45	
5,580.00				04/04/00	60.70	58.75	
5,580.20				04/13/00	60.50	58.55	
5,580.40				04/21/00	60.30	58.35	
5,580.50				04/28/00	60.20	58.25	
5,580.50				05/01/00	60.20	58.25	
5,580.90				05/11/00	59.80	57.85	
5,580.50				05/15/00	60.20	58.25	
5,580.75				05/25/00	59.95	58.00	
5,580.80				06/09/00	59.90	57.95	
5,580.92				06/16/00	59.78	57.83	
5,580.80				06/26/00	59.90	57.95	
5,580.90				07/06/00	59.80	57.85	
5,581.05				07/13/00	59.65	57.70	
5,580.90				07/18/00	59.80	57.85	
5,581.05				07/27/00	59.65	57.70	
5,581.06				08/02/00	59.64	57.69	
5,581.08				08/09/00	59.62	57.67	
5,581.07				08/16/00	59.63	57.68	
5,581.25				08/31/00	59.45	57.50	
5,581.32				09/08/00	59.38	57.43	
5,581.34				09/13/00	59.36	57.41	
5,581.41				09/20/00	59.29	57.34	
5,581.37				10/05/00	59.33	57.38	
5,581.66				11/09/00	59.04	57.09	
5,581.63				12/06/00	59.07	57.12	
5,581.92				01/03/01	58.78	56.83	
5,582.20				02/09/01	58.50	56.55	
5,582.54				03/28/01	58.16	56.21	
5,582.72				04/30/01	57.98	56.03	
5,582.72				05/31/01	57.98	56.03	

Water Levels and Data over Time
White Mesa Mill - Well TW4-5

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.75	5,640.70	1.95				121.75
5,582.81				06/22/01	57.89	55.94	
5,582.92				07/10/01	57.78	55.83	
5,583.17				08/20/01	57.53	55.58	
5,583.28				09/19/01	57.42	55.47	
5,583.36				10/02/01	57.34	55.39	
5,583.49				11/08/01	57.21	55.26	
5,583.84				12/03/01	56.86	54.91	
5,583.79				01/03/02	56.91	54.96	
5,583.96				02/06/02	56.74	54.79	
5,584.39				03/26/02	56.31	54.36	
5,584.12				04/09/02	56.58	54.63	
5,584.55				05/23/02	56.15	54.20	
5,584.42				06/05/02	56.28	54.33	
5,583.65				07/08/02	57.05	55.10	
5,584.90				08/23/02	55.80	53.85	
5,585.02				09/11/02	55.68	53.73	
5,585.20				10/23/02	55.50	53.55	
5,585.15				11/22/02	55.55	53.60	
5,585.42				12/03/02	55.28	53.33	
5,585.65				01/09/03	55.05	53.10	
5,585.65				02/12/03	55.05	53.10	
5,585.92				03/26/03	54.78	52.83	
5,586.22				04/02/03	54.48	52.53	
5,586.01				05/01/03	54.69	52.74	
5,584.81				06/09/03	55.89	53.94	
5,584.34				07/07/03	56.36	54.41	
5,584.40				08/04/03	56.30	54.35	
5,583.88				09/11/03	56.82	54.87	
5,583.57				10/02/03	57.13	55.18	
5,583.39				11/07/03	57.31	55.36	
5,583.97				12/03/03	56.73	54.78	
5,585.28				01/15/04	55.42	53.47	
5,585.50				02/10/04	55.20	53.25	
5,585.87				03/28/04	54.83	52.88	
5,586.20				04/12/04	54.50	52.55	
5,586.45				05/13/04	54.25	52.30	
5,586.50				06/18/04	54.20	52.25	
5,587.13				07/28/04	53.57	51.62	
5,586.22				08/30/04	54.48	52.53	
5,585.69				09/16/04	55.01	53.06	
5,585.17				10/11/04	55.53	53.58	
5,584.64				11/16/04	56.06	54.11	
5,584.77				12/22/04	55.93	53.98	

Water Levels and Data over Time
White Mesa Mill - Well TW4-5

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.75	5,640.70	1.95				121.75
5,584.65				01/18/05	56.05	54.10	
5,584.98				02/28/05	55.72	53.77	
5,585.15				03/15/05	55.55	53.60	
5,586.25				04/26/05	54.45	52.50	
5,586.79				05/24/05	53.91	51.96	
5,586.52				06/30/05	54.18	52.23	
5,586.03				07/29/05	54.67	52.72	
5,586.05				09/12/05	54.65	52.70	
5,585.80				12/07/05	54.90	52.95	
5,587.06				03/08/06	53.64	51.69	
5,585.90				06/13/06	54.80	52.85	
5,585.32				07/18/06	55.38	53.43	
5,585.35				11/07/06	55.35	53.40	
5585.81				02/27/07	54.89	52.94	
5,585.20				05/02/07	55.50	53.55	
5,586.66				08/14/07	54.04	52.09	
5,586.80				10/10/07	53.90	51.95	
5,588.48				03/26/08	52.22	50.27	
5,586.51				06/24/08	54.19	52.24	
5,586.45				08/26/08	54.25	52.30	
5,585.40				10/14/08	55.3	53.35	
5,584.80				03/03/09	55.9	53.95	
5,584.73				06/24/09	55.97	54.02	
5,584.36				09/10/09	56.34	54.39	
5,585.02				12/11/09	55.68	53.73	
5,585.66				03/11/10	55.04	53.09	
5,584.86				05/11/10	55.84	53.89	
5,584.55				09/29/10	56.15	54.20	
5,584.17				12/21/10	56.53	54.58	
5,583.55				02/28/11	57.15	55.20	
5,584.72				06/21/11	55.98	54.03	
5,584.62				09/20/11	56.08	54.13	
5,585.04				11/21/11	55.66	53.71	
5,583.89				03/27/12	56.81	54.86	
5,583.92				06/28/12	56.78	54.83	
5,583.89				09/27/12	56.81	54.86	
5,583.89				12/28/12	56.81	54.86	

Water Levels and Data over Time
White Mesa Mill - Well TW4-6

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,607.33	5,608.78	1.450				98.55
5,522.28				05/25/00	86.50	85.05	
5,521.51				06/09/00	87.27	85.82	
5,522.35				06/16/00	86.43	84.98	
5,522.14				06/26/00	86.64	85.19	
5,522.25				07/06/00	86.53	85.08	
5,522.13				07/13/00	86.65	85.20	
5,522.17				07/18/00	86.61	85.16	
5,522.26				07/25/00	86.52	85.07	
5,522.31				08/02/00	86.47	85.02	
5,522.33				08/09/00	86.45	85.00	
5,522.35				08/15/00	86.43	84.98	
5,522.40				08/31/00	86.38	84.93	
5,522.40				09/08/00	86.38	84.93	
5,522.45				09/13/00	86.33	84.88	
5,522.53				09/20/00	86.25	84.80	
5,522.39				10/05/00	86.39	84.94	
5,522.42				11/09/00	86.36	84.91	
5,522.29				12/06/00	86.49	85.04	
5,522.63				01/03/01	86.15	84.70	
5,522.72				02/09/01	86.06	84.61	
5,522.90				03/26/01	85.88	84.43	
5,522.70				04/30/01	86.08	84.63	
5,522.89				05/31/01	85.89	84.44	
5,522.88				06/20/01	85.90	84.45	
5,522.96				07/10/01	85.82	84.37	
5,523.10				08/20/01	85.68	84.23	
5,523.23				09/19/01	85.55	84.10	
5,523.21				10/02/01	85.57	84.12	
5,523.25				11/08/01	85.53	84.08	
5,523.46				12/03/01	85.32	83.87	
5,523.36				01/03/02	85.42	83.97	
5,523.50				02/06/02	85.28	83.83	
5,523.94				03/26/02	84.84	83.39	
5,523.75				04/09/02	85.03	83.58	
5,524.23				05/23/02	84.55	83.10	
5,523.98				06/05/02	84.80	83.35	
5,524.31				07/08/02	84.47	83.02	
5,524.36				08/23/02	84.42	82.97	
5,524.49				09/11/02	84.29	82.84	
5,524.71				10/23/02	84.07	82.62	
5,524.60				11/22/02	84.18	82.73	
5,524.94				12/03/02	83.84	82.39	
5,525.10				01/09/03	83.68	82.23	

Water Levels and Data over Time
White Mesa Mill - Well TW4-6

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,607.33	5,608.78	1.450				98.55
5,525.15				02/12/03	83.63	82.18	
5,525.35				03/26/03	83.43	81.98	
5,525.68				04/02/03	83.10	81.65	
5,525.74				05/01/03	83.04	81.59	
5,525.98				06/09/03	82.80	81.35	
5,526.04				07/07/03	82.74	81.29	
5,526.07				08/04/03	82.71	81.26	
5,526.42				09/11/03	82.36	80.91	
5,526.30				10/02/03	82.48	81.03	
5,526.41				11/07/03	82.37	80.92	
5,526.46				12/03/03	82.32	80.87	
5,526.83				01/15/04	81.95	80.50	
5,526.81				02/10/04	81.97	80.52	
5,527.14				03/28/04	81.64	80.19	
5,527.39				04/12/04	81.39	79.94	
5,527.64				05/13/04	81.14	79.69	
5,527.70				06/18/04	81.08	79.63	
5,528.16				07/28/04	80.62	79.17	
5,528.30				08/30/04	80.48	79.03	
5,528.52				09/16/04	80.26	78.81	
5,528.71				10/11/04	80.07	78.62	
5,528.74				11/16/04	80.04	78.59	
5,529.20				12/22/04	79.58	78.13	
5,528.92				01/18/05	79.86	78.41	
5,529.51				02/28/05	79.27	77.82	
5,529.74				03/15/05	79.04	77.59	
5,529.96				04/26/05	78.82	77.37	
5,530.15				05/24/05	78.63	77.18	
5,530.35				06/30/05	78.43	76.98	
5,530.47				07/29/05	78.31	76.86	
5,530.95				09/12/05	77.83	76.38	
5,531.50				12/07/05	77.28	75.83	
5,532.43				03/08/06	76.35	74.90	
5,533.49				06/13/06	75.29	73.84	
5,532.58				07/18/06	76.20	74.75	
5,532.88				11/07/06	75.90	74.45	
5534.09				02/27/07	74.69	73.24	
5,534.04				05/02/07	74.74	73.29	
5,534.43				08/14/07	74.35	72.90	
5,554.54				10/10/07	54.24	52.79	
5,535.40				03/26/08	73.38	71.93	
5,535.55				06/24/08	73.23	71.78	
5,535.90				08/26/08	72.88	71.43	

Water Levels and Data over Time
White Mesa Mill - Well TW4-6

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,607.33	5,608.78	1.450				98.55
5,535.87				10/14/08	72.91	71.46	
5,536.42				03/10/09	72.36	70.91	
5,536.71				06/24/09	72.07	70.62	
5,536.83				09/10/09	71.95	70.50	
5,537.35				12/11/09	71.43	69.98	
5,537.93				03/11/10	70.85	69.40	
5,538.14				05/11/10	70.64	69.19	
5,538.03				09/29/10	70.75	69.30	
5,538.04				12/21/10	70.74	69.29	
5,537.98				02/28/11	70.8	69.35	
5,538.46				06/21/11	70.32	68.87	
5,538.37				09/20/11	70.41	68.96	
5,538.87				12/21/11	69.91	68.46	
5,538.73				03/27/12	70.05	68.60	
5,538.80				06/28/12	69.98	68.53	
5,539.04				09/27/12	69.74	68.29	
5,538.74				12/28/12	70.04	68.59	
5,539.53				03/28/13	69.25	67.80	
5,539.46				06/27/13	69.32	67.87	
5,539.62				09/27/13	69.16	67.71	

Water Levels and Data over Time
White Mesa Mill - Well TW4-7

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,619.87	5,621.07	1.20				119.8
5,552.37				11/29/99	68.70	67.50	
5,553.57				01/02/00	67.50	66.30	
5,553.87				01/10/00	67.20	66.00	
5,553.72				01/17/00	67.35	66.15	
5,553.97				01/24/00	67.10	65.90	
5,553.87				02/01/00	67.20	66.00	
5,553.87				02/07/00	67.20	66.00	
5,554.17				02/14/00	66.90	65.70	
5,554.27				02/23/00	66.80	65.60	
5,554.37				03/01/00	66.70	65.50	
5,554.37				03/08/00	66.70	65.50	
5,554.27				03/15/00	66.80	65.60	
5,554.77				03/20/00	66.30	65.10	
5,554.57				03/29/00	66.50	65.30	
5,554.27				04/04/00	66.80	65.60	
5,554.57				04/13/00	66.50	65.30	
5,554.77				04/21/00	66.30	65.10	
5,554.87				04/28/00	66.20	65.00	
5,554.87				05/01/00	66.20	65.00	
5,555.27				05/11/00	65.80	64.60	
5,554.97				05/15/00	66.10	64.90	
5,555.27				05/25/00	65.80	64.60	
5,555.33				06/09/00	65.74	64.54	
5,555.45				06/16/00	65.62	64.42	
5,555.22				06/26/00	65.85	64.65	
5,555.45				07/06/00	65.62	64.42	
5,555.40				07/13/00	65.67	64.47	
5,555.45				07/18/00	65.62	64.42	
5,555.59				07/27/00	65.48	64.28	
5,555.65				08/02/00	65.42	64.22	
5,555.70				08/09/00	65.37	64.17	
5,555.74				08/16/00	65.33	64.13	
5,555.96				08/31/00	65.11	63.91	
5,555.87				09/08/00	65.20	64.00	
5,555.95				09/13/00	65.12	63.92	
5,556.05				09/20/00	65.02	63.82	
5,556.06				10/05/00	65.01	63.81	
5,556.17				10/12/00	64.90	63.70	
5,556.20				10/19/00	64.87	63.67	
5,556.22				10/23/00	64.85	63.65	
5,556.36				11/09/00	64.71	63.51	
5,556.42				11/14/00	64.65	63.45	
5,556.45				11/30/00	64.62	63.42	

Water Levels and Data over Time
White Mesa Mill - Well TW4-7

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,619.87	5,621.07	1.20				119.8
5,556.15				12/06/00	64.92	63.72	
5,556.89				01/14/01	64.18	62.98	
5,557.07				02/09/01	64.00	62.80	
5,557.62				03/29/01	63.45	62.25	
5,557.51				04/30/01	63.56	62.36	
5,557.77				05/31/01	63.30	62.10	
5,557.84				06/21/01	63.23	62.03	
5,557.98				07/10/01	63.09	61.89	
5,558.33				08/20/01	62.74	61.54	
5,558.57				09/19/01	62.50	61.30	
5,558.53				10/02/01	62.54	61.34	
5,558.62				11/08/01	62.45	61.25	
5,559.03				12/03/01	62.04	60.84	
5,559.08				01/03/02	61.99	60.79	
5,559.32				02/06/02	61.75	60.55	
5,559.63				03/26/02	61.44	60.24	
5,559.55				04/09/02	61.52	60.32	
5,560.06				05/23/02	61.01	59.81	
5,559.91				06/05/02	61.16	59.96	
5,560.09				07/08/02	60.98	59.78	
5,560.01				08/23/02	61.06	59.86	
5,560.23				09/11/02	60.84	59.64	
5,560.43				10/23/02	60.64	59.44	
5,560.39				11/22/02	60.68	59.48	
5,560.61				12/03/02	60.46	59.26	
5,560.89				01/09/03	60.18	58.98	
5,560.94				02/12/03	60.13	58.93	
5,561.28				03/26/03	59.79	58.59	
5,561.35				04/02/03	59.72	58.52	
5,546.20				05/01/03	74.87	73.67	
5,539.47				06/09/03	81.60	80.40	
5,541.87				07/07/03	79.20	78.00	
5,542.12				08/04/03	78.95	77.75	
5,541.91				09/11/03	79.16	77.96	
5,544.62				10/02/03	76.45	75.25	
5,542.67				11/07/03	78.40	77.20	
5,549.96				12/03/03	71.11	69.91	
5,557.17				01/15/04	63.90	62.70	
5,558.65				02/10/04	62.42	61.22	
5,559.90				03/28/04	61.17	59.97	
5,560.36				04/12/04	60.71	59.51	
5,560.87				05/13/04	60.20	59.00	
5,560.95				06/18/04	60.12	58.92	

Water Levels and Data over Time
White Mesa Mill - Well TW4-7

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,619.87	5,621.07	1.20				119.8
5,561.64				07/28/04	59.43	58.23	
5,543.00				08/30/04	78.07	76.87	
5,541.91				09/16/04	79.16	77.96	
5,540.08				10/11/04	80.99	79.79	
5,546.92				11/16/04	74.15	72.95	
5,546.97				12/22/04	74.10	72.90	
5,546.51				01/18/05	74.56	73.36	
5,546.66				02/28/05	74.41	73.21	
5,546.81				03/15/05	74.26	73.06	
5,548.19				04/26/05	72.88	71.68	
5,547.11				05/24/05	73.96	72.76	
5,546.98				06/30/05	74.09	72.89	
5,546.92				07/29/05	74.15	72.95	
5,547.26				09/12/05	73.81	72.61	
5,547.26				12/07/05	73.81	72.61	
5,548.86				03/08/06	72.21	71.01	
5,548.62				06/13/06	72.45	71.25	
5,550.04				07/18/06	71.03	69.83	
5,548.32				11/07/06	72.75	71.55	
5,550.44				02/27/07	70.63	69.43	
5,549.69				05/02/07	71.38	70.18	
5,549.97				08/14/07	71.10	69.90	
5,550.30				10/10/07	70.77	69.57	
5,551.92				03/26/08	69.15	67.95	
5,552.94				06/24/08	68.13	66.93	
5,552.34				08/26/08	68.73	67.53	
5,552.61				10/14/08	68.46	67.26	
5,552.81				03/10/09	68.26	67.06	
5,553.11				06/24/09	67.96	66.76	
5,552.55				09/10/09	68.52	67.32	
5,553.06				12/11/09	68.01	66.81	
5,554.64				03/11/10	66.43	65.23	
5,554.20				05/11/10	66.87	65.67	
5,553.45				09/29/10	67.62	66.42	
5,553.40				12/21/10	67.67	66.47	
5,553.93				02/28/11	67.14	65.94	
5,553.67				06/21/11	67.4	66.20	
5,553.46				09/20/11	67.61	66.41	
5,553.78				12/21/11	67.29	66.09	
5,553.17				03/27/12	67.90	66.70	
5,553.21				06/28/12	67.86	66.66	
5,552.90				09/27/12	68.17	66.97	
5,553.15				12/28/12	67.92	66.72	

Water Levels and Data over Time
White Mesa Mill - Well TW4-7

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,619.87	5,621.07	1.20				119.8
5,556.23				03/28/13	64.84	63.64	
5,556.04				06/27/13	65.03	63.83	
5,556.09				09/27/13	64.98	63.78	

Water Levels and Data over Time
White Mesa Mill - Well TW4-8

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,616.80	5,621.40	4.60				126.00
5,546.40				11/29/99	75.00	70.40	
5,546.20				01/02/00	75.20	70.60	
5,546.50				01/10/00	74.90	70.30	
5,546.30				01/17/00	75.10	70.50	
5,546.60				01/24/00	74.80	70.20	
5,546.50				02/01/00	74.90	70.30	
5,546.50				02/07/00	74.90	70.30	
5,546.90				02/14/00	74.50	69.90	
5,546.95				02/23/00	74.45	69.85	
5,547.05				03/01/00	74.35	69.75	
5,547.05				03/08/00	74.35	69.75	
5,547.10				03/15/00	74.30	69.70	
5,547.50				03/20/00	73.90	69.30	
5,547.40				03/29/00	74.00	69.40	
5,547.20				04/04/00	74.20	69.60	
5,547.40				04/13/00	74.00	69.40	
5,547.60				04/21/00	73.80	69.20	
5,547.70				04/28/00	73.70	69.10	
5,547.70				05/01/00	73.70	69.10	
5,548.00				05/11/00	73.40	68.80	
5,547.70				05/15/00	73.70	69.10	
5,547.90				05/25/00	73.50	68.90	
5,547.90				06/09/00	73.50	68.90	
5,548.00				06/16/00	73.40	68.80	
5,547.87				06/26/00	73.53	68.93	
5,547.95				07/06/00	73.45	68.85	
5,547.96				07/13/00	73.44	68.84	
5,547.95				07/18/00	73.45	68.85	
5,548.11				07/27/00	73.29	68.69	
5,548.15				08/02/00	73.25	68.65	
5,548.17				08/09/00	73.23	68.63	
5,548.16				08/15/00	73.24	68.64	
5,548.40				08/31/00	73.00	68.40	
5,548.50				09/08/00	72.90	68.30	
5,548.62				09/13/00	72.78	68.18	
5,548.75				09/20/00	72.65	68.05	
5,548.76				10/05/00	72.64	68.04	
5,549.00				11/09/00	72.40	67.80	
5,548.85				12/06/00	72.55	67.95	
5,549.47				01/03/01	71.93	67.33	
5,549.89				02/09/01	71.51	66.91	
5,550.37				03/27/01	71.03	66.43	
5,550.50				04/30/01	70.90	66.30	

Water Levels and Data over Time
White Mesa Mill - Well TW4-8

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,616.80	5,621.40	4.60				126.00
5,550.68				05/31/01	70.72	66.12	
5,550.68				06/20/01	70.72	66.12	
5,551.02				07/10/01	70.38	65.78	
5,551.32				08/20/01	70.08	65.48	
5,551.49				09/19/01	69.91	65.31	
5,551.64				10/02/01	69.76	65.16	
5,551.81				11/08/01	69.59	64.99	
5,552.22				12/03/01	69.18	64.58	
5,552.16				01/03/02	69.24	64.64	
5,552.38				02/06/02	69.02	64.42	
5,552.85				03/26/02	68.55	63.95	
5,552.83				04/09/02	68.57	63.97	
5,553.20				05/23/02	68.20	63.60	
5,553.16				06/05/02	68.24	63.64	
5,553.32				07/08/02	68.08	63.48	
5,553.49				08/23/02	67.91	63.31	
5,553.69				09/11/02	67.71	63.11	
5,554.09				10/23/02	67.31	62.71	
5,554.02				11/22/02	67.38	62.78	
5,554.23				12/03/02	67.17	62.57	
5,554.43				01/09/03	66.97	62.37	
5,554.42				02/12/03	66.98	62.38	
5,554.71				03/26/03	66.69	62.09	
5,554.83				04/02/03	66.57	61.97	
5,552.21				05/01/03	69.19	64.59	
5,547.93				06/09/03	73.47	68.87	
5,546.97				07/07/03	74.43	69.83	
5,546.58				08/04/03	74.82	70.22	
5,546.24				09/11/03	75.16	70.56	
5,546.38				10/02/03	75.02	70.42	
5,546.40				11/07/03	75.00	70.40	
5,546.59				12/03/03	74.81	70.21	
5,551.29				01/15/04	70.11	65.51	
5,552.69				02/10/04	68.71	64.11	
5,554.06				03/28/04	67.34	62.74	
5,554.52				04/12/04	66.88	62.28	
5,555.06				05/13/04	66.34	61.74	
5,555.11				06/18/04	66.29	61.69	
5,555.88				07/28/04	65.52	60.92	
5,552.97				08/30/04	68.43	63.83	
5,550.65				09/16/04	70.75	66.15	
5,548.40				10/11/04	73.00	68.40	
5,548.28				11/16/04	73.12	68.52	

Water Levels and Data over Time
White Mesa Mill - Well TW4-8

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,616.80	5,621.40	4.60				126.00
5,548.80				12/22/04	72.60	68.00	
5,548.43				01/18/05	72.97	68.37	
5,548.61				02/28/05	72.79	68.19	
5,548.64				03/15/05	72.76	68.16	
5,548.65				04/26/05	72.75	68.15	
5,548.85				05/24/05	72.55	67.95	
5,548.73				06/30/05	72.67	68.07	
5,548.62				07/29/05	72.78	68.18	
5,548.80				09/12/05	72.60	68.00	
5,548.71				12/07/05	72.69	68.09	
5,549.72				03/08/06	71.68	67.08	
5,549.70				06/13/06	71.70	67.10	
5,549.70				07/18/06	71.70	67.10	
5,549.65				11/07/06	71.75	67.15	
5,551.11				02/27/07	70.29	65.69	
5,550.20				05/02/07	71.20	66.60	
5,550.59				08/14/07	70.81	66.21	
5,550.76				10/10/07	70.64	66.04	
5,551.95				03/26/08	69.45	64.85	
5,552.36				06/24/08	69.04	64.44	
5,552.50				08/26/08	68.9	64.30	
5,552.56				10/14/08	68.84	64.24	
5,552.91				03/03/09	68.49	63.89	
5,553.27				06/24/09	68.13	63.53	
5,553.12				09/10/09	68.28	63.68	
5,553.63				12/11/09	67.77	63.17	
5,554.65				03/11/10	66.75	62.15	
5,554.57				05/11/10	66.83	62.23	
5,554.34				09/29/10	67.06	62.46	
5,554.09				12/21/10	67.31	62.71	
5,554.50				02/28/11	66.9	62.30	
5,554.79				06/21/11	66.61	62.01	
5,554.63				09/20/11	66.77	62.17	
5,555.01				12/21/11	66.39	61.79	
5,554.85				03/27/12	66.55	61.95	
5,554.90				06/28/12	66.50	61.90	
5,554.85				09/27/12	66.55	61.95	
5,554.86				12/28/12	66.54	61.94	
5,556.48				03/28/13	64.92	60.32	
5,556.35				06/27/13	65.05	60.45	
5,556.60				09/27/13	64.8	60.20	

Water Levels and Data over Time
White Mesa Mill - Well TW4-9

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,636.11	5,637.59	1.48				121.33
5,577.09				12/20/99	60.50	59.02	
5,577.09				01/02/00	60.50	59.02	
5,577.29				01/10/00	60.30	58.82	
5,577.09				01/17/00	60.50	59.02	
5,577.39				01/24/00	60.20	58.72	
5,577.29				02/01/00	60.30	58.82	
5,577.19				02/07/00	60.40	58.92	
5,577.69				02/14/00	59.90	58.42	
5,577.69				02/23/00	59.90	58.42	
5,577.79				03/01/00	59.80	58.32	
5,577.79				03/08/00	59.80	58.32	
5,577.89				03/15/00	59.70	58.22	
5,568.49				03/20/00	69.10	67.62	
5,578.14				03/29/00	59.45	57.97	
5,577.84				04/04/00	59.75	58.27	
5,578.04				04/13/00	59.55	58.07	
5,578.24				04/21/00	59.35	57.87	
5,578.39				04/28/00	59.20	57.72	
5,578.39				05/01/00	59.20	57.72	
5,578.79				05/11/00	58.80	57.32	
5,578.39				05/15/00	59.20	57.72	
5,578.79				05/25/00	58.80	57.32	
5,578.81				06/09/00	58.78	57.30	
5,578.89				06/16/00	58.70	57.22	
5,578.74				06/26/00	58.85	57.37	
5,578.86				07/06/00	58.73	57.25	
5,578.87				07/13/00	58.72	57.24	
5,578.84				07/18/00	58.75	57.27	
5,579.03				07/27/00	58.56	57.08	
5,579.03				08/02/00	58.56	57.08	
5,579.05				08/09/00	58.54	57.06	
5,579.04				08/15/00	58.55	57.07	
5,579.25				08/31/00	58.34	56.86	
5,579.35				09/08/00	58.24	56.76	
5,579.40				09/13/00	58.19	56.71	
5,579.46				09/20/00	58.13	56.65	
5,579.44				10/05/00	58.15	56.67	
5,579.79				11/09/00	57.80	56.32	
5,579.73				12/06/00	57.86	56.38	
5,580.01				01/03/01	57.58	56.10	
5,580.30				02/09/01	57.29	55.81	
5,580.66				03/27/01	56.93	55.45	
5,580.75				04/30/01	56.84	55.36	

Water Levels and Data over Time
White Mesa Mill - Well TW4-9

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,636.11	5,637.59	1.48				121.33
5,581.04				05/31/01	56.55	55.07	
5,581.12				06/21/01	56.47	54.99	
5,581.15				07/10/01	56.44	54.96	
5,581.51				08/20/01	56.08	54.60	
5,581.70				09/19/01	55.89	54.41	
5,581.61				10/02/01	55.98	54.50	
5,581.83				11/08/01	55.76	54.28	
5,582.17				12/03/01	55.42	53.94	
5,582.21				01/03/02	55.38	53.90	
5,582.57				02/06/02	55.02	53.54	
5,583.12				03/26/02	54.47	52.99	
5,582.77				04/09/02	54.82	53.34	
5,583.21				05/23/02	54.38	52.90	
5,582.94				06/05/02	54.65	53.17	
5,582.71				07/08/02	54.88	53.40	
5,583.67				08/23/02	53.92	52.44	
5,583.82				09/11/02	53.77	52.29	
5,584.01				10/23/02	53.58	52.10	
5,583.88				11/22/02	53.71	52.23	
5,583.81				12/03/02	53.78	52.30	
5,584.28				01/09/03	53.31	51.83	
5,584.41				02/12/03	53.18	51.70	
5,584.68				03/26/03	52.91	51.43	
5,584.49				04/02/03	53.10	51.62	
5,584.51				05/01/03	53.08	51.60	
5,583.59				06/09/03	54.00	52.52	
5,582.96				07/07/03	54.63	53.15	
5,582.98				08/04/03	54.61	53.13	
5,582.57				09/11/03	55.02	53.54	
5,582.25				10/02/03	55.34	53.86	
5,582.09				11/07/03	55.50	54.02	
5,582.48				12/03/03	55.11	53.63	
5,583.69				01/15/04	53.90	52.42	
5,583.89				02/10/04	53.70	52.22	
5,584.30				03/28/04	53.29	51.81	
5,584.59				04/12/04	53.00	51.52	
5,584.87				05/13/04	52.72	51.24	
5,584.96				06/18/04	52.63	51.15	
5,585.50				07/28/04	52.09	50.61	
5,584.81				08/30/04	52.78	51.30	
5,584.40				09/16/04	53.19	51.71	
5,583.91				10/11/04	53.68	52.20	
5,583.39				11/16/04	54.20	52.72	

Water Levels and Data over Time
White Mesa Mill - Well TW4-9

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,636.11	5,637.59	1.48				121.33
5,583.54				12/22/04	54.05	52.57	
5,583.34				01/18/05	54.25	52.77	
5,583.66				02/28/05	53.93	52.45	
5,583.87				03/15/05	53.72	52.24	
5,584.74				04/26/05	52.85	51.37	
5,585.26				05/24/05	52.33	50.85	
5,585.06				06/30/05	52.53	51.05	
5,584.67				07/29/05	52.92	51.44	
5,584.75				09/12/05	52.84	51.36	
5,584.51				12/07/05	53.08	51.60	
5,585.74				03/08/06	51.85	50.37	
5,584.74				06/13/06	52.85	51.37	
5,584.26				07/18/06	53.33	51.85	
5,584.21				11/07/06	53.38	51.90	
5,584.67				02/27/07	52.92	51.44	
5,584.06				05/02/07	53.53	52.05	
5,585.33				08/14/07	52.26	50.78	
5,585.42				10/10/07	52.17	50.69	
5,587.01				03/26/08	50.58	49.10	
5,585.44				06/24/08	52.15	50.67	
5,585.23				08/26/08	52.36	50.88	
5,584.42				10/14/08	53.17	51.69	
5,583.59				03/03/09	54.00	52.52	
5,583.35				06/24/09	54.24	52.76	
5,582.91				09/10/09	54.68	53.20	
5,583.43				12/11/09	54.16	52.68	
5,584.00				03/11/10	53.59	52.11	
5,583.27				05/11/10	54.32	52.84	
5,582.92				09/29/10	54.67	53.19	
5,583.08				12/21/10	54.51	53.03	
5,582.63				02/28/11	54.96	53.48	
5,583.62				06/21/11	53.97	52.49	
5,583.52				09/20/11	54.07	52.59	
5,583.91				12/21/11	53.68	52.20	
5,582.84				03/27/12	54.75	53.27	
5,582.84				06/28/12	54.75	53.27	
5,582.92				09/27/12	54.67	53.19	
5,582.84				12/28/12	54.75	53.27	
5,581.97				03/28/13	55.62	54.14	
5,581.19				06/27/13	56.40	54.92	
5,580.50				09/27/13	57.09	55.61	

Water Levels and Data over Time
White Mesa Mill - Well TW4-10

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.99	5,634.24	2.25				111
5,576.75				01/03/02	57.49	55.24	
5,576.92				02/06/02	57.32	55.07	
5,577.43				03/26/02	56.81	54.56	
5,577.22				04/09/02	57.02	54.77	
5,577.80				05/23/02	56.44	54.19	
5,577.47				06/05/02	56.77	54.52	
5,577.55				07/08/02	56.69	54.44	
5,578.10				08/23/02	56.14	53.89	
5,578.24				09/11/02	56.00	53.75	
5,578.49				10/23/02	55.75	53.50	
5,578.43				11/22/02	55.81	53.56	
5,578.43				12/03/02	55.81	53.56	
5,578.66				01/09/03	55.58	53.33	
5,578.66				02/12/03	55.58	53.33	
5,578.78				03/26/03	55.46	53.21	
5,578.90				04/02/03	55.34	53.09	
5,578.83				05/01/03	55.41	53.16	
5,578.05				06/09/03	56.19	53.94	
5,577.38				07/07/03	56.86	54.61	
5,577.15				08/04/03	57.09	54.84	
5,576.76				09/11/03	57.48	55.23	
5,576.36				10/02/03	57.88	55.63	
5,576.05				11/07/03	58.19	55.94	
5,576.20				12/03/03	58.04	55.79	
5,577.43				01/15/04	56.81	54.56	
5,577.81				02/10/04	56.43	54.18	
5,578.47				03/28/04	55.77	53.52	
5,578.69				04/12/04	55.55	53.30	
5,578.93				05/13/04	55.31	53.06	
5,578.99				06/18/04	55.25	53.00	
5,579.18				07/28/04	55.06	52.81	
5,579.06				08/30/04	55.18	52.93	
5,578.78				09/16/04	55.46	53.21	
5,577.80				10/11/04	56.44	54.19	
5,577.13				11/16/04	57.11	54.86	
5,576.96				12/22/04	57.28	55.03	
5,576.63				01/18/05	57.61	55.36	
5,576.82				02/28/05	57.42	55.17	
5,576.86				03/15/05	57.38	55.13	
5,577.52				04/26/05	56.72	54.47	
5,578.01				05/24/05	56.23	53.98	
5,578.15				06/30/05	56.09	53.84	
5,577.90				07/29/05	56.34	54.09	

Water Levels and Data over Time
White Mesa Mill - Well TW4-10

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.99	5,634.24	2.25				111
5,578.02				09/12/05	56.22	53.97	
5,577.56				12/07/05	56.68	54.43	
5,579.69				03/08/06	54.55	52.30	
5,578.34				06/13/06	55.90	53.65	
5,577.94				07/18/06	56.30	54.05	
5,578.01				11/07/06	56.23	53.98	
5578.43				02/27/07	55.81	53.56	
5,577.84				05/02/07	56.40	54.15	
5,578.74				08/14/07	55.50	53.25	
5,579.04				10/10/07	55.20	52.95	
5,580.69				03/26/08	53.55	51.30	
5,579.87				06/24/08	54.37	52.12	
5,579.47				08/26/08	54.77	52.52	
5,578.87				10/14/08	55.37	53.12	
5,578.01				03/10/09	56.23	53.98	
5,577.85				06/24/09	56.39	54.14	
5,577.49				09/10/09	56.75	54.50	
5,577.98				12/11/09	56.26	54.01	
5,578.38				03/11/10	55.86	53.61	
5,578.16				05/11/10	56.08	53.83	
5,577.85				09/29/10	56.39	54.14	
5,577.28				12/21/10	56.96	54.71	
5,577.14				02/28/11	57.1	54.85	
5,578.09				06/21/11	56.15	53.90	
5,578.24				09/20/11	56	53.75	
5,578.74				12/21/11	55.5	53.25	
5,577.89				03/27/12	56.35	54.10	
5,577.90				06/28/12	56.34	54.09	
5,578.29				09/27/12	55.95	53.70	
5,577.87				12/28/12	56.37	54.12	
5,577.92				03/28/13	56.32	54.07	
5,577.19				06/27/13	57.05	54.80	
5,576.77				09/27/13	57.47	55.22	

Water Levels and Data over Time
White Mesa Mill - Well TW4-11

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,621.92	5,623.62	1.70				100
5,548.32				01/03/02	75.30	73.60	
5,548.73				02/06/02	74.89	73.19	
5,549.03				03/26/02	74.59	72.89	
5,548.84				04/09/02	74.78	73.08	
5,549.30				05/23/02	74.32	72.62	
5,549.01				06/05/02	74.61	72.91	
5,549.22				07/08/02	74.40	72.70	
5,549.44				08/23/02	74.18	72.48	
5,549.57				09/11/02	74.05	72.35	
5,549.64				10/23/02	73.98	72.28	
5,549.58				11/22/02	74.04	72.34	
5,549.62				12/03/02	74.00	72.30	
5,549.85				01/09/03	73.77	72.07	
5,549.91				02/12/03	73.71	72.01	
5,550.15				03/26/03	73.47	71.77	
5,550.01				04/02/03	73.61	71.91	
5,550.31				05/01/03	73.31	71.61	
5,550.44				06/09/03	73.18	71.48	
5,550.33				07/07/03	73.29	71.59	
5,550.35				08/04/03	73.27	71.57	
5,550.44				09/11/03	73.18	71.48	
5,550.47				10/02/03	73.15	71.45	
5,550.60				11/07/03	73.02	71.32	
5,550.60				12/03/03	73.02	71.32	
5,550.94				01/15/04	72.68	70.98	
5,551.00				02/10/04	72.62	70.92	
5,550.34				03/28/04	73.28	71.58	
5,551.54				04/12/04	72.08	70.38	
5,551.89				05/13/04	71.73	70.03	
5,551.94				06/18/04	71.68	69.98	
5,552.49				07/28/04	71.13	69.43	
5,552.74				08/30/04	70.88	69.18	
5,553.01				09/16/04	70.61	68.91	
5,553.11				10/11/04	70.51	68.81	
5,553.19				11/16/04	70.43	68.73	
5,553.53				12/22/04	70.09	68.39	
5,553.31				01/18/05	70.31	68.61	
5,553.84				02/28/05	69.78	68.08	
5,554.04				03/15/05	69.58	67.88	
5,554.23				04/26/05	69.39	67.69	
5,553.87				05/24/05	69.75	68.05	
5,554.46				06/30/05	69.16	67.46	
5,554.57				07/29/05	69.05	67.35	

Water Levels and Data over Time
White Mesa Mill - Well TW4-11

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,621.92	5,623.62	1.70				100
5,553.86				09/12/05	69.76	68.06	
5,555.30				12/07/05	68.32	66.62	
5,556.20				03/08/06	67.42	65.72	
5,556.48				06/14/06	67.14	65.44	
5,556.37				07/18/06	67.25	65.55	
5,556.94				11/07/06	66.68	64.98	
5557.92				02/27/07	65.70	64	
5,557.84				05/02/07	65.78	64.08	
5,558.02				08/15/07	65.60	63.90	
5,557.13				10/10/07	66.49	64.79	
5,569.74				03/26/08	53.88	52.18	
5,561.01				06/24/08	62.61	60.91	
5,562.07				08/26/08	61.55	59.85	
5,562.47				10/14/08	61.15	59.45	
5,563.80				03/10/09	59.82	58.12	
5,564.27				06/24/09	59.35	57.65	
5,564.32				09/10/09	59.30	57.60	
5,564.70				12/11/09	58.92	57.22	
5,565.14				03/11/10	58.48	56.78	
5,565.61				05/11/10	58.01	56.31	
5,565.67				09/29/10	57.95	56.25	
5,565.62				12/21/10	58.00	56.30	
5,565.42				02/28/11	58.20	56.50	
5,566.01				06/21/11	57.61	55.91	
5,566.03				09/20/11	57.59	55.89	
5,566.63				12/21/11	56.99	55.29	
5,565.81				03/27/12	57.81	56.11	
5,565.82				06/28/12	57.80	56.10	
5,566.66				09/27/12	56.96	55.26	
5,565.77				12/28/12	57.85	56.15	
5,566.89				03/28/13	56.73	55.03	
5,566.32				06/27/13	57.30	55.60	
5,565.92				09/27/13	57.70	56.00	

Water Levels and Data over Time
White Mesa Mill - Well TW4-12

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,622.38	5,624.23	1.85				101.5
5,580.91				08/23/02	43.32	41.47	
5,581.54				09/11/02	42.69	40.84	
5,581.33				10/23/02	42.90	41.05	
5,581.47				11/22/02	42.76	40.91	
5,581.55				12/03/02	42.68	40.83	
5,582.58				01/09/03	41.65	39.80	
5,582.47				02/12/03	41.76	39.91	
5,582.71				03/26/03	41.52	39.67	
5,582.11				04/02/03	42.12	40.27	
5,582.92				05/01/03	41.31	39.46	
5,583.13				06/09/03	41.10	39.25	
5,583.21				07/07/03	41.02	39.17	
5,583.31				08/04/03	40.92	39.07	
5,583.55				09/11/03	40.68	38.83	
5,583.72				10/02/03	40.51	38.66	
5,583.77				11/07/03	40.46	38.61	
5,584.01				12/03/03	40.22	38.37	
5,584.37				01/15/04	39.86	38.01	
5,584.39				02/10/04	39.84	37.99	
5,584.51				03/28/04	39.72	37.87	
5,584.90				04/12/04	39.33	37.48	
5,584.88				05/13/04	39.35	37.50	
5,584.93				06/18/04	39.30	37.45	
5,585.36				07/28/04	38.87	37.02	
5,585.38				08/30/04	38.85	37.00	
5,585.49				09/16/04	38.74	36.89	
5,585.85				10/11/04	38.38	36.53	
5,585.91				11/16/04	38.32	36.47	
5,586.35				12/22/04	37.88	36.03	
5,586.14				01/18/05	38.09	36.24	
5,586.56				02/28/05	37.67	35.82	
5,586.95				03/15/05	37.28	35.43	
5,587.20				04/26/05	37.03	35.18	
5,587.35				05/24/05	36.88	35.03	
5,587.58				06/30/05	36.65	34.80	
5,587.58				07/29/05	36.65	34.80	
5,587.94				09/12/05	36.29	34.44	
5,588.43				12/07/05	35.80	33.95	
5,588.92				03/08/06	35.31	33.46	
5,588.34				06/13/06	35.89	34.04	
5,588.33				07/18/06	35.90	34.05	
5,584.70				11/07/06	39.53	37.68	
5588.85				02/27/07	35.38	33.53	

Water Levels and Data over Time
White Mesa Mill - Well TW4-12

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,622.38	5,624.23	1.85				101.5
5,588.53				05/02/07	35.70	33.85	
5,586.49				08/14/07	37.74	35.89	
5,586.68				10/10/07	37.55	35.70	
5,587.76				03/26/08	36.47	34.62	
5,587.59				06/24/08	36.64	34.79	
5,587.35				08/26/08	36.88	35.03	
5,586.84				10/14/08	37.39	35.54	
5,586.17				03/03/09	38.06	36.21	
5,585.74				06/24/09	38.49	36.64	
5,585.54				09/10/09	38.69	36.84	
5,585.77				12/11/09	38.46	36.61	
5,585.88				03/11/10	38.35	36.50	
5,586.35				05/11/10	37.88	36.03	
5,585.68				09/29/10	38.55	36.70	
5,585.09				12/21/10	39.14	37.29	
5,584.65				02/28/11	39.58	37.73	
5,584.76				06/21/11	39.47	37.62	
5,584.32				09/20/11	39.91	38.06	
5,584.22				12/21/11	40.01	38.16	
5,577.07				03/27/12	47.16	45.31	
5,577.05				06/28/12	47.18	45.33	
5,583.14				09/27/12	41.09	39.24	
5,577.10				12/28/12	47.13	45.28	
5,582.71				03/28/13	41.52	39.67	
5,582.25				06/27/13	41.98	40.13	

Water Levels and Data over Time
White Mesa Mill - Well TW4-13

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,618.09	5,619.94	1.85				102.5
5,529.66				08/23/02	90.28	88.43	
5,530.66				09/11/02	89.28	87.43	
5,529.10				10/23/02	90.84	88.99	
5,530.58				11/22/02	89.36	87.51	
5,530.61				12/03/02	89.33	87.48	
5,529.74				01/09/03	90.20	88.35	
5,531.03				02/12/03	88.91	87.06	
5,531.82				03/26/03	88.12	86.27	
5,524.63				04/02/03	95.31	93.46	
5,531.54				05/01/03	88.40	86.55	
5,538.46				06/09/03	81.48	79.63	
5,539.38				07/07/03	80.56	78.71	
5,540.72				08/04/03	79.22	77.37	
5,541.25				09/11/03	78.69	76.84	
5,541.34				10/02/03	78.60	76.75	
5,541.69				11/07/03	78.25	76.40	
5,541.91				12/03/03	78.03	76.18	
5,542.44				01/15/04	77.50	75.65	
5,542.47				02/10/04	77.47	75.62	
5,542.84				03/28/04	77.10	75.25	
5,543.08				04/12/04	76.86	75.01	
5,543.34				05/13/04	76.60	74.75	
5,543.40				06/18/04	76.54	74.69	
5,544.06				07/28/04	75.88	74.03	
5,544.61				08/30/04	75.33	73.48	
5,545.23				09/16/04	74.71	72.86	
5,546.20				10/11/04	73.74	71.89	
5,547.43				11/16/04	72.51	70.66	
5,548.96				12/22/04	70.98	69.13	
5,549.02				01/18/05	70.92	69.07	
5,550.66				02/28/05	69.28	67.43	
5,551.26				03/15/05	68.68	66.83	
5,552.23				04/26/05	67.71	65.86	
5,552.87				05/24/05	67.07	65.22	
5,553.42				06/30/05	66.52	64.67	
5,554.00				07/29/05	65.94	64.09	
5,555.21				09/12/05	64.73	62.88	
5,558.13				12/07/05	61.81	59.96	
5,562.93				03/08/06	57.01	55.16	
5,564.39				06/13/06	55.55	53.70	
5,562.09				07/18/06	57.85	56.00	
5,565.49				11/07/06	54.45	52.60	
5571.08				02/27/07	48.86	47.01	

Water Levels and Data over Time
White Mesa Mill - Well TW4-13

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,618.09	5,619.94	1.85				102.5
5,570.63				05/02/07	49.31	47.46	
5,565.24				08/14/07	54.70	52.85	
5,565.83				10/10/07	54.11	52.26	
5,569.29				03/26/08	50.65	48.80	
5,570.00				06/24/08	49.94	48.09	
5,570.41				08/26/08	49.53	47.68	
5,570.64				10/14/08	49.30	47.45	
5,570.43				03/03/09	49.51	47.66	
5,570.56				06/24/09	49.38	47.53	
5,570.42				09/10/09	49.52	47.67	
5,571.15				12/11/09	48.79	46.94	
5,572.01				03/11/10	47.93	46.08	
5,572.88				05/11/10	47.06	45.21	
5,573.17				09/29/10	46.77	44.92	
5,573.14				12/21/10	46.80	44.95	
5,573.10				02/28/11	46.84	44.99	
5,573.75				06/21/11	46.19	44.34	
5,573.63				09/20/11	46.31	44.46	
5,573.94				12/21/11	46.00	44.15	
5,572.79				03/27/12	47.15	45.30	
5,572.77				06/28/12	47.17	45.32	
5,573.04				09/27/12	46.90	45.05	
5,572.79				12/28/12	47.15	45.30	
5,573.03				03/28/13	46.91	45.06	
5,572.44				06/27/13	47.50	45.65	
5,573.46				09/27/13	46.48	44.63	

Water Levels and Data over Time
White Mesa Mill - Well TW4-14

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,610.92	5,612.77	1.85				93
5,518.90				08/23/02	93.87	92.02	
5,519.28				09/11/02	93.49	91.64	
5,519.95				10/23/02	92.82	90.97	
5,520.32				11/22/02	92.45	90.60	
5,520.42				12/03/02	92.35	90.50	
5,520.70				01/09/03	92.07	90.22	
5,520.89				02/12/03	91.88	90.03	
5,521.12				03/26/03	91.65	89.80	
5,521.12				04/02/03	91.65	89.80	
5,521.24				05/01/03	91.53	89.68	
5,521.34				06/09/03	91.43	89.58	
5,521.36				07/07/03	91.41	89.56	
5,521.35				08/04/03	91.42	89.57	
5,521.30				09/11/03	91.47	89.62	
5,521.35				10/02/03	91.42	89.57	
5,521.36				11/07/03	91.41	89.56	
5,521.16				12/03/03	91.61	89.76	
5,521.29				01/15/04	91.48	89.63	
5,521.36				02/10/04	91.41	89.56	
5,521.46				03/28/04	91.31	89.46	
5,521.54				04/12/04	91.23	89.38	
5,521.59				05/13/04	91.18	89.33	
5,521.69				06/18/04	91.08	89.23	
5,521.71				07/28/04	91.06	89.21	
5,521.76				08/30/04	91.01	89.16	
5,521.77				09/16/04	91.00	89.15	
5,521.79				10/11/04	90.98	89.13	
5,521.80				11/16/04	90.97	89.12	
5,521.82				12/22/04	90.95	89.10	
5,521.82				01/18/05	90.95	89.10	
5,521.86				02/28/05	90.91	89.06	
5,521.85				03/15/05	90.92	89.07	
5,521.91				04/26/05	90.86	89.01	
5,521.93				05/24/05	90.84	88.99	
5,521.94				06/30/05	90.83	88.98	
5,521.84				07/29/05	90.93	89.08	
5,521.99				09/12/05	90.78	88.93	
5,522.04				12/07/05	90.73	88.88	
5,522.05				03/08/06	90.72	88.87	
5,522.27				06/13/06	90.50	88.65	
5,521.92				07/18/06	90.85	89.00	
5,520.17				11/07/06	92.60	90.75	
5522.24				02/27/07	90.53	88.68	

Water Levels and Data over Time
White Mesa Mill - Well TW4-14

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,610.92	5,612.77	1.85				93
5,522.47				05/02/07	90.30	88.45	
5,520.74				08/14/07	92.03	90.18	
5,518.13				10/10/07	94.64	92.79	
5,522.85				03/26/08	89.92	88.07	
5,522.91				06/24/08	89.86	88.01	
5,523.01				08/26/08	89.76	87.91	
5,522.96				10/14/08	89.81	87.96	
5,523.20				03/03/09	89.57	87.72	
5,523.33				06/24/09	89.44	87.59	
5,523.47				09/10/09	89.30	87.45	
5,523.54				12/11/09	89.23	87.38	
5,522.98				03/11/10	89.79	87.94	
5,524.01				05/11/10	88.76	86.91	
5,524.37				09/29/10	88.40	86.55	
5,524.62				12/21/10	88.15	86.30	
5,524.78				02/28/11	87.99	86.14	
5,525.23				06/21/11	87.54	85.69	
5,525.45				09/20/11	87.32	85.47	
5,525.72				12/21/11	87.05	85.20	
5,525.88				03/27/12	86.89	85.04	
5,525.97				06/28/12	86.80	84.95	
5,526.32				09/27/12	86.45	84.60	
5,525.88				12/28/12	86.89	85.04	
5,526.91				03/28/13	85.86	84.01	
5,526.99				06/27/13	85.78	83.93	
5,527.68				09/27/13	85.09	83.24	

Water Levels and Data over Time
White Mesa Mill - Well MW-26

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,624.15	5,625.45	1.30				121.33
5,574.75				08/23/02	50.70	49.40	
5,574.97				09/11/02	50.48	49.18	
5,575.10				10/23/02	50.35	49.05	
5,574.99				11/22/02	50.46	49.16	
5,575.28				12/03/02	50.17	48.87	
5,575.41				01/09/03	50.04	48.74	
5,575.43				02/12/03	50.02	48.72	
5,575.63				03/26/03	49.82	48.52	
5,575.91				04/02/03	49.54	48.24	
5,575.81				05/01/03	49.64	48.34	
5,572.36				06/09/03	53.09	51.79	
5,570.70				07/07/03	54.75	53.45	
5,570.29				08/04/03	55.16	53.86	
5,560.94				09/11/03	64.51	63.21	
5,560.63				10/02/03	64.82	63.52	
5,560.56				11/07/03	64.89	63.59	
5,564.77				12/03/03	60.68	59.38	
5,570.89				01/15/04	54.56	53.26	
5,572.55				02/10/04	52.90	51.60	
5,574.25				03/28/04	51.20	49.90	
5,574.77				04/12/04	50.68	49.38	
5,575.53				05/13/04	49.92	48.62	
5,575.59				06/18/04	49.86	48.56	
5,576.82				07/28/04	48.63	47.33	
5,527.47				09/16/04	97.98	96.68	
5,553.97				11/16/04	71.48	70.18	
5,562.33				12/22/04	63.12	61.82	
5,550.00				01/18/05	75.45	74.15	
5,560.02				04/26/05	65.43	64.13	
5,546.11				05/24/05	79.34	78.04	
5,556.71				06/30/05	68.74	67.44	
5,554.95				07/29/05	70.50	69.20	
5,555.48				09/12/05	69.97	68.67	
5,551.09				12/07/05	74.36	73.06	
5,552.85				03/08/06	72.60	71.30	
5,554.30				06/13/06	71.15	69.85	
5,554.87				07/18/06	70.58	69.28	
5,550.88				11/07/06	74.57	73.27	
5558.77				02/27/07	66.68	65.38	
5,548.54				05/02/07	76.91	75.61	
5,551.33				10/10/07	74.12	72.82	
5,545.56				03/26/08	79.89	78.59	
5,545.56				06/25/08	79.89	78.59	

Water Levels and Data over Time
White Mesa Mill - Well MW-26

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,624.15	5,625.45	1.30				121.33
5,545.82				08/26/08	79.63	78.33	
5,545.64				10/14/08	79.81	78.51	
5,544.45				03/03/09	81.00	79.70	
5,545.32				06/24/09	80.13	78.83	
5,544.61				09/10/09	80.84	79.54	
5,549.33				12/11/09	76.12	74.82	
5,543.78				03/11/10	81.67	80.37	
5,545.61				05/11/10	79.84	78.54	
5,547.43				09/29/10	78.02	76.72	
5,544.14				12/21/10	81.31	80.01	
5,546.77				02/28/11	78.68	77.38	
5,537.60				06/21/11	87.85	86.55	
5,551.46				09/20/11	73.99	72.69	
5,549.12				12/21/11	76.33	75.03	
5,557.30				03/27/12	68.15	66.85	
5,557.38				06/28/12	68.07	66.77	
5,550.86				09/27/12	74.59	73.29	
5,557.30				12/28/12	68.15	66.85	
5,565.37				03/28/13	60.08	58.78	
5,563.55				06/27/13	61.90	60.60	
5,560.12				09/27/13	65.33	64.03	

Water Levels and Data over Time
White Mesa Mill - Well TW4-16

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,622.19	5,624.02	1.83				142
5,562.91				08/23/02	61.11	59.28	
5,563.45				09/11/02	60.57	58.74	
5,563.75				10/23/02	60.27	58.44	
5,563.68				11/22/02	60.34	58.51	
5,563.68				12/03/02	60.34	58.51	
5,564.16				01/09/03	59.86	58.03	
5,564.25				02/12/03	59.77	57.94	
5,564.53				03/26/03	59.49	57.66	
5,564.46				04/02/03	59.56	57.73	
5,564.79				05/01/03	59.23	57.40	
5,564.31				06/09/03	59.71	57.88	
5,563.29				07/07/03	60.73	58.90	
5,562.76				08/04/03	61.26	59.43	
5,561.73				09/11/03	62.29	60.46	
5,561.04				10/02/03	62.98	61.15	
5,560.39				11/07/03	63.63	61.80	
5,559.79				12/03/03	64.23	62.40	
5,561.02				01/15/04	63.00	61.17	
5,561.75				02/10/04	62.27	60.44	
5,562.98				03/28/04	61.04	59.21	
5,563.29				04/12/04	60.73	58.90	
5,564.03				05/13/04	59.99	58.16	
5,564.09				06/18/04	59.93	58.10	
5,565.08				07/28/04	58.94	57.11	
5,564.56				08/30/04	59.46	57.63	
5,563.55				09/16/04	60.47	58.64	
5,561.79				10/11/04	62.23	60.40	
5,560.38				11/16/04	63.64	61.81	
5,559.71				12/22/04	64.31	62.48	
5,559.14				01/18/05	64.88	63.05	
5,558.65				02/28/05	65.37	63.54	
5,558.54				03/15/05	65.48	63.65	
5,558.22				04/26/05	65.80	63.97	
5,558.54				05/24/05	65.48	63.65	
5,559.24				06/30/05	64.78	62.95	
5,559.38				07/29/05	64.64	62.81	
5,559.23				09/12/05	64.79	62.96	
5,557.67				12/07/05	66.35	64.52	
5,557.92				03/08/06	66.10	64.27	
5,558.47				06/13/06	65.55	63.72	
5,558.42				07/18/06	65.60	63.77	
5,558.09				11/07/06	65.93	64.10	
5557.34				02/27/07	66.68	64.85	

Water Levels and Data over Time
White Mesa Mill - Well TW4-16

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,622.19	5,624.02	1.83				142
5,547.11				05/02/07	76.91	75.08	
5,558.52				08/14/07	65.50	63.67	
5,559.02				10/10/07	65.00	63.17	
5,561.04				03/26/08	62.98	61.15	
5,560.06				06/24/08	63.96	62.13	
5,559.32				08/26/08	64.70	62.87	
5,558.89				10/14/08	65.13	63.30	
5,558.40				03/03/09	65.62	63.79	
5,558.32				06/24/09	65.70	63.87	
5,558.03				09/10/09	65.99	64.16	
5,558.81				12/11/09	65.21	63.38	
5,559.80				03/11/10	64.22	62.39	
5,559.85				05/11/10	64.17	62.34	
5,560.54				09/29/10	63.48	61.65	
5,558.65				12/21/10	65.37	63.54	
5,559.26				02/28/11	64.76	62.93	
5,560.48				06/21/11	63.54	61.71	
5,561.52				09/20/11	62.50	60.67	
5,562.95				12/21/11	61.07	59.24	
5,563.76				03/27/12	60.26	58.43	
5,563.90				06/28/12	60.12	58.29	
5,564.65				09/27/12	59.37	57.54	
5,563.77				12/28/12	60.25	58.42	
5,564.74				03/28/13	59.28	57.45	
5,563.66				06/27/13	60.36	58.53	
5,562.27				09/27/13	61.75	59.92	

Water Levels and Data over Time
White Mesa Mill - Well MW-32

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.41	5,625.24	1.83				130.6
5,542.17				08/23/02	83.07	81.24	
5,542.39				09/11/02	82.85	81.02	
5,542.61				10/23/02	82.63	80.80	
5,542.49				11/22/02	82.75	80.92	
5,542.82				12/03/02	82.42	80.59	
5,543.03				01/09/03	82.21	80.38	
5,543.04				02/12/03	82.20	80.37	
5,543.41				03/26/03	81.83	80.00	
5,543.69				04/02/03	81.55	79.72	
5,543.77				05/01/03	81.47	79.64	
5,544.01				06/09/03	81.23	79.40	
5,544.05				07/07/03	81.19	79.36	
5,543.99				08/04/03	81.25	79.42	
5,544.17				09/11/03	81.07	79.24	
5,544.06				10/02/03	81.18	79.35	
5,544.03				11/07/03	81.21	79.38	
5,543.94				12/03/03	81.30	79.47	
5,543.98				01/15/04	81.26	79.43	
5,543.85				02/10/04	81.39	79.56	
5,544.05				03/28/04	81.19	79.36	
5,544.33				04/12/04	80.91	79.08	
5,544.55				05/13/04	80.69	78.86	
5,544.59				06/18/04	80.65	78.82	
5,545.08				07/28/04	80.16	78.33	
5,545.26				08/30/04	79.98	78.15	
5,545.48				09/16/04	79.76	77.93	
5,545.61				10/11/04	79.63	77.80	
5,545.46				11/16/04	79.78	77.95	
5,545.66				12/22/04	79.58	77.75	
5,545.33				01/18/05	79.91	78.08	
5,545.51				02/28/05	79.73	77.90	
5,545.57				03/15/05	79.67	77.84	
5,545.46				04/26/05	79.78	77.95	
5,545.45				05/24/05	79.79	77.96	
5,545.33				06/30/05	79.91	78.08	
5,545.16				07/29/05	80.08	78.25	
5,545.54				09/12/05	79.70	77.87	
5,545.77				12/07/05	79.47	77.64	
5,546.09				03/08/06	79.15	77.32	
5,545.94				06/13/06	79.30	77.47	
5,545.94				07/18/06	79.30	77.47	
5,546.24				11/07/06	79.00	77.17	
5546.81				02/27/07	78.43	76.6	

Water Levels and Data over Time
White Mesa Mill - Well MW-32

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.41	5,625.24	1.83				130.6
5546.56				05/02/07	78.68	76.85	
5546.81				08/15/07	78.43	76.6	
5546.96				10/10/07	78.28	76.45	
5547.9				03/26/08	77.34	75.51	
5548.08				06/25/08	77.16	75.33	
5548.42				08/26/08	76.82	74.99	
5548.05				10/14/08	77.19	75.36	
5548.29				03/03/09	76.95	75.12	
5548.09				06/24/09	77.15	75.32	
5547.79				09/10/09	77.45	75.62	
5548.09				12/11/09	77.15	75.32	
5,548.50				03/11/10	76.74	74.91	
5,548.89				05/11/10	76.35	74.52	
5,548.83				09/29/10	76.41	74.58	
5,548.97				12/21/10	76.27	74.44	
5,548.68				02/28/11	76.56	74.73	
5,549.33				06/21/11	75.91	74.08	
5,549.19				09/20/11	76.05	74.22	
5,550.06				12/21/11	75.18	73.35	
5,550.31				03/27/12	74.93	73.10	
5,550.32				06/28/12	74.92	73.09	
5,550.88				09/27/12	74.36	72.53	
5,550.29				12/28/12	74.95	73.12	
5,551.54				03/28/13	73.70	71.87	
5,550.34				06/27/13	74.90	73.07	
5,551.35				09/27/13	73.89	72.06	

Water Levels and Data over Time
White Mesa Mill - Well TW4-18

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,639.13	5,641.28	2.15				137.5
5,585.13				08/23/02	56.15	54.00	
5,585.41				09/11/02	55.87	53.72	
5,585.47				10/23/02	55.81	53.66	
5,585.40				11/22/02	55.88	53.73	
5,585.68				12/03/02	55.60	53.45	
5,585.90				01/09/03	55.38	53.23	
5,590.79				02/12/03	50.49	48.34	
5,586.18				03/26/03	55.10	52.95	
5,586.36				04/02/03	54.92	52.77	
5,586.24				05/01/03	55.04	52.89	
5,584.93				06/09/03	56.35	54.20	
5,584.46				07/07/03	56.82	54.67	
5,584.55				08/04/03	56.73	54.58	
5,584.01				09/11/03	57.27	55.12	
5,583.67				10/02/03	57.61	55.46	
5,583.50				11/07/03	57.78	55.63	
5,584.08				12/03/03	57.20	55.05	
5,585.45				01/15/04	55.83	53.68	
5,585.66				02/10/04	55.62	53.47	
5,586.13				03/28/04	55.15	53.00	
5,586.39				04/12/04	54.89	52.74	
5,586.66				05/13/04	54.62	52.47	
5,586.77				06/18/04	54.51	52.36	
5,587.35				07/28/04	53.93	51.78	
5,586.34				08/30/04	54.94	52.79	
5,585.85				09/16/04	55.43	53.28	
5,585.22				10/11/04	56.06	53.91	
5,584.70				11/16/04	56.58	54.43	
5,584.81				12/22/04	56.47	54.32	
5,584.68				01/18/05	56.60	54.45	
5,585.02				02/28/05	56.26	54.11	
5,585.25				03/15/05	56.03	53.88	
5,586.31				04/26/05	54.97	52.82	
5,586.97				05/24/05	54.31	52.16	
5,586.58				06/30/05	54.70	52.55	
5,586.10				07/29/05	55.18	53.03	
5,586.05				09/12/05	55.23	53.08	
5,585.86				12/07/05	55.42	53.27	
5,587.13				03/08/06	54.15	52.00	
5,585.93				06/13/06	55.35	53.20	
5,585.40				07/18/06	55.88	53.73	
5,585.38				11/07/06	55.90	53.75	
5585.83				02/27/07	55.45	53.30	

Water Levels and Data over Time
White Mesa Mill - Well TW4-18

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,639.13	5,641.28	2.15				137.5
5585.15				05/02/07	56.13	53.98	
5586.47				06/24/08	54.81	52.66	
5586.3				08/26/08	54.98	52.83	
5585.21				10/14/08	56.07	53.92	
5584.47				03/03/09	56.81	54.66	
5584.35				06/24/09	56.93	54.78	
5583.88				09/10/09	57.4	55.25	
5584.43				12/11/09	56.85	54.70	
5,585.26				03/11/10	56.02	53.87	
5,584.17				05/11/10	57.11	54.96	
5,583.61				09/29/10	57.67	55.52	
5,604.29				12/21/10	36.99	34.84	
5,583.56				02/28/11	57.72	55.57	
5,584.73				06/21/11	56.55	54.40	
5,584.71				09/20/11	56.57	54.42	
5,585.03				12/21/11	56.25	54.10	
5,584.63				03/27/12	56.65	54.50	
5,584.67				06/28/12	56.61	54.46	
5,583.98				09/27/12	57.30	55.15	
5,584.65				12/28/12	56.63	54.48	
5,582.88				03/28/13	58.40	56.25	
5,584.63				06/27/13	56.65	54.50	
5,581.38				09/27/13	59.90	57.75	

Water Levels and Data over Time
White Mesa Mill - Well TW4-19

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,629.53	5,631.39	1.86				121.33
5,581.88				08/23/02	49.51	47.65	
5,582.14				09/11/02	49.25	47.39	
5,582.06				10/23/02	49.33	47.47	
5,582.07				11/22/02	49.32	47.46	
5,582.16				12/03/02	49.23	47.37	
5,582.28				01/09/03	49.11	47.25	
5,582.29				02/21/03	49.10	47.24	
5,582.74				03/26/03	48.65	46.79	
5,582.82				04/02/03	48.57	46.71	
5,548.47				05/01/03	82.92	81.06	
5,564.76				06/09/03	66.63	64.77	
5,562.53				07/07/03	68.86	67.00	
5,564.10				08/04/03	67.29	65.43	
5,566.01				08/30/04	65.38	63.52	
5,555.16				09/16/04	76.23	74.37	
5,549.80				10/11/04	81.59	79.73	
5,546.04				11/16/04	85.35	83.49	
5,547.34				12/22/04	84.05	82.19	
5,548.77				01/18/05	82.62	80.76	
5,551.18				02/28/05	80.21	78.35	
5,556.81				03/15/05	74.58	72.72	
5,562.63				04/26/05	68.76	66.90	
5,573.42				05/24/05	57.97	56.11	
5,552.94				07/29/05	78.45	76.59	
5,554.00				09/12/05	77.39	75.53	
5,555.98				12/07/05	75.41	73.55	
5,552.00				03/08/06	79.39	77.53	
5,545.74				06/13/06	85.65	83.79	
5,544.06				07/18/06	87.33	85.47	
5,548.81				11/07/06	82.58	80.72	
5543.59				02/27/07	87.80	85.94	
5544.55				05/02/07	86.84	84.98	
5558.97				08/15/07	72.42	70.56	
5559.73				10/10/07	71.66	69.8	
5569.26				03/26/08	62.13	60.27	
5535.47				06/25/08	95.92	94.06	
5541.41				08/26/08	89.98	88.12	
5558.45				10/14/08	72.94	71.08	
5536.9				03/03/09	94.49	92.63	
5547.76				06/24/09	83.63	81.77	
5561.48				09/10/09	69.91	68.05	
5548.14				12/11/09	83.25	81.39	
5,570.58				03/11/10	60.81	58.95	

Water Levels and Data over Time
White Mesa Mill - Well TW4-19

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,629.53	5,631.39	1.86				121.33
5,561.35				05/11/10	70.04	68.18	
5,535.26				09/29/10	96.13	94.27	
5,568.40				12/21/10	62.99	61.13	
5,550.36				02/28/11	81.03	79.17	
5,570.41				06/21/11	60.98	59.12	
5,567.84				09/20/11	63.55	61.69	
5,571.32				12/21/11	60.07	58.21	
5,572.40				03/27/12	58.99	57.13	
5,572.39				06/28/12	59.00	57.14	
5,571.40				09/27/12	59.99	58.13	
5,568.21				12/28/12	63.18	61.32	
5,572.51				03/28/13	58.88	57.02	
5,566.00				06/27/13	65.39	63.53	
5,568.37				09/27/13	63.02	61.16	

Water Levels and Data over Time
White Mesa Mill - Well TW4-20

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,628.52	5,629.53	1.01				106.0
5,565.70				07/29/05	63.83	62.82	
5,546.53				08/30/05	83.00	81.99	
5,540.29				09/12/05	89.24	88.23	
5,541.17				12/07/05	88.36	87.35	
5,540.33				03/08/06	89.20	88.19	
5,530.43				06/13/06	99.10	98.09	
5,569.13				07/18/06	60.40	59.39	
5,547.95				11/07/06	81.58	80.57	
5,549.25				02/27/07	80.28	79.27	
5,550.58				05/02/07	78.95	77.94	
5,563.60				08/14/07	65.93	64.92	
5,555.85				10/10/07	73.68	72.67	
5,569.10				03/26/08	60.43	59.42	
5,560.00				06/25/08	69.53	68.52	
5,539.64				08/26/08	89.89	88.88	
5,539.51				10/14/08	90.02	89.01	
5,553.00				03/03/09	76.53	75.52	
5,534.18				06/24/09	95.35	94.34	
5,558.39				09/10/09	71.14	70.13	
5,560.99				12/11/09	68.54	67.53	
5,564.09				03/11/10	65.44	64.43	
5,564.22				05/11/10	65.31	64.30	
5,560.33				09/29/10	69.20	68.19	
5,561.35				12/21/10	68.18	67.17	
5,560.18				02/28/11	69.35	68.34	
5,576.23				06/21/11	53.30	52.29	
5,548.50				09/20/11	81.03	80.02	
5,558.58				12/21/11	70.95	69.94	
5,567.73				03/27/12	61.80	60.79	
5,567.77				06/28/12	61.76	60.75	
5,569.58				09/27/12	59.95	58.94	
5,572.58				12/28/12	56.95	55.94	
5,571.52				03/28/13	58.01	57.00	

Water Levels and Data over Time
White Mesa Mill - Well TW4-21

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.20	5,639.35	1.15				120.92
5,582.98				07/29/05	56.37	55.22	
5,583.43				08/30/05	55.92	54.77	
5,581.87				09/12/05	57.48	56.33	
5,580.50				12/07/05	58.85	57.70	
5,583.64				03/08/06	55.71	54.56	
5,580.55				06/13/06	58.80	57.65	
5,578.95				07/18/06	60.40	59.25	
5,578.47				11/07/06	60.88	59.73	
5,579.53				02/27/07	59.82	58.67	
5,578.07				05/02/07	61.28	60.13	
5,583.41				08/15/07	55.94	54.79	
5,583.45				10/10/07	55.90	54.75	
5,586.47				03/26/08	52.88	51.73	
5,579.16				06/24/08	60.19	59.04	
5,579.92				08/26/08	59.43	58.28	
5,577.37				10/14/08	61.98	60.83	
5,578.00				03/10/09	61.35	60.20	
5,580.14				06/24/09	59.21	58.06	
5,578.72				09/10/09	60.63	59.48	
5,579.99				12/11/09	59.36	58.21	
5,582.81				03/11/10	56.54	55.39	
5,582.23				05/11/10	57.12	55.97	
5,576.60				09/29/10	62.75	61.60	
5,581.14				12/21/10	58.21	57.06	
5,579.53				02/28/11	59.82	58.67	
5,584.17				06/21/11	55.18	54.03	
5,584.80				09/20/11	54.55	53.40	
5,585.68				12/21/11	53.67	52.52	
5,585.24				03/27/12	54.11	52.96	
5,585.26				06/28/12	54.09	52.94	
5,585.16				09/27/12	54.19	53.04	
5,585.25				12/28/12	54.10	52.95	
5,582.84				03/28/13	56.51	55.36	
5,581.79				06/27/13	57.56	56.41	
5,580.89				09/27/13	58.46	57.31	

Water Levels and Data over Time
White Mesa Mill - Well TW4-22

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,627.83	5,629.00	1.17				113.5
5,571.89				07/29/05	57.11	55.94	
5,572.20				08/30/05	56.80	55.63	
5,572.08				09/12/05	56.92	55.75	
5,571.61				12/07/05	57.39	56.22	
5,571.85				03/08/06	57.15	55.98	
5,571.62				06/13/06	57.38	56.21	
5,571.42				07/18/06	57.58	56.41	
5,571.02				11/07/06	57.98	56.81	
5571.24				02/27/07	57.76	56.59	
5,570.75				06/29/07	58.25	57.08	
5,571.82				08/14/07	57.18	56.01	
5,571.99				10/10/07	57.01	55.84	
5,573.05				03/26/08	55.95	54.78	
5,573.04				06/24/08	55.96	54.79	
5,573.04				08/26/08	55.96	54.79	
5,573.02				10/14/08	55.98	54.81	
5,573.19				03/10/09	55.81	54.64	
5,573.32				06/24/09	55.68	54.51	
5,573.17				09/10/09	55.83	54.66	
5,573.52				12/11/09	55.48	54.31	
5,573.88				03/11/10	55.12	53.95	
5,574.29				05/11/10	54.71	53.54	
5,574.88				09/29/10	54.12	52.95	
5,574.44				12/21/10	54.56	53.39	
5,574.49				02/28/11	54.51	53.34	
5,574.97				06/21/11	54.03	52.86	
5,575.06				09/20/11	53.94	52.77	
5,575.69				12/21/11	53.31	52.14	
5,575.61				03/27/12	53.39	52.22	
5,575.62				06/28/12	53.38	52.21	
5,575.90				09/27/12	53.10	51.93	
5,575.59				12/28/12	53.41	52.24	
5,573.50				03/28/13	55.50	54.33	
5,572.45				06/27/13	56.55	55.38	
5,572.25				09/27/13	56.75	55.58	

Water Levels and Data over Time
White Mesa Mill - Well TW4-23

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,605.77	5,607.37	1.60				113.5
5,538.89				09/13/07	68.48	66.88	
5,538.80				10/10/07	68.57	66.97	
5,539.25				11/30/07	68.12	66.52	
5,539.49				12/11/07	67.88	66.28	
5,539.19				01/08/08	68.18	66.58	
5,539.44				02/18/08	67.93	66.33	
5,539.54				03/26/08	67.83	66.23	
5,539.71				04/23/08	67.66	66.06	
5539.48				05/30/08	67.89	66.29	
5,539.53				06/24/08	67.84	66.24	
5,539.44				07/16/08	67.93	66.33	
5,539.68				08/26/08	67.69	66.09	
5,541.18				09/10/08	66.19	64.59	
5,539.57				10/14/08	67.80	66.20	
5,539.29				11/26/08	68.08	66.48	
5,539.55				12/29/08	67.82	66.22	
5,540.15				01/26/09	67.22	65.62	
5,539.74				02/24/09	67.63	66.03	
5,539.86				03/06/09	67.51	65.91	
5,539.72				04/07/09	67.65	66.05	
5,539.84				05/29/09	67.53	65.93	
5,540.12				06/30/09	67.25	65.65	
5,540.12				07/31/09	67.25	65.65	
5,540.27				08/31/09	67.10	65.50	
5,540.13				09/10/09	67.24	65.64	
5,540.64				12/11/09	66.73	65.13	
5,541.15				03/11/10	66.22	64.62	
5,541.61				05/11/10	65.76	64.16	
5,541.47				09/29/10	65.90	64.30	
5,541.54				12/21/10	65.83	64.23	
5,541.54				02/28/11	65.83	64.23	
5,541.98				06/21/11	65.39	63.79	
5,541.90				09/20/11	65.47	63.87	
5,542.58				12/21/11	64.79	63.19	
5,542.59				03/27/12	64.78	63.18	
5,542.61				06/28/12	64.76	63.16	
5,542.92				09/27/12	64.45	62.85	
5,542.61				12/28/12	64.76	63.16	
5,543.48				03/28/13	63.89	62.29	

Water Levels and Data over Time
White Mesa Mill - Well TW4-24

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,625.70	5,627.83	2.13				113.5
5,570.61				09/13/07	57.22	55.09	
5,570.53				10/10/07	57.30	55.17	
5,571.16				11/30/07	56.67	54.54	
5,571.30				12/11/07	56.53	54.40	
5,571.03				01/08/08	56.80	54.67	
5,571.22				02/18/08	56.61	54.48	
5,571.43				03/26/08	56.40	54.27	
5,571.68				04/23/08	56.15	54.02	
5571.52				05/30/08	56.31	54.18	
5,571.34				06/24/08	56.49	54.36	
5,571.28				07/16/08	56.55	54.42	
5,571.34				08/26/08	56.49	54.36	
5,571.23				09/10/08	56.60	54.47	
5,571.12				10/14/08	56.71	54.58	
5,570.95				11/26/08	56.88	54.75	
5,570.92				12/29/08	56.91	54.78	
5,571.65				01/26/09	56.18	54.05	
5,571.31				02/24/09	56.52	54.39	
5,571.37				03/06/09	56.46	54.33	
5,571.21				04/07/09	56.62	54.49	
5,571.23				05/29/09	56.60	54.47	
5,571.42				06/30/09	56.41	54.28	
5,571.38				07/31/09	56.45	54.32	
5,571.48				08/31/09	56.35	54.22	
5,571.28				09/10/09	56.55	54.42	
5,571.64				12/11/09	56.19	54.06	
5,571.86				03/11/10	55.97	53.84	
5,571.91				05/11/10	55.92	53.79	
5,572.18				09/29/10	55.65	53.52	
5,571.86				12/21/10	55.97	53.84	
5,571.78				02/28/11	56.05	53.92	
5,572.40				06/21/11	55.43	53.30	
5,572.19				09/20/11	55.64	53.51	
5,573.02				12/21/11	54.81	52.68	
5,573.03				03/27/12	54.80	52.67	
5,573.02				06/28/12	54.81	52.68	
5,573.13				09/27/12	54.70	52.57	
5,573.05				12/28/12	54.78	52.65	
5,566.53				03/28/13	61.30	59.17	
5,564.63				06/27/13	63.20	61.07	
5,570.01				09/27/13	57.82	55.69	

Water Levels and Data over Time
White Mesa Mill - Well TW4-25

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,627.83	5,644.91	17.08				134.8
5,601.86				09/13/07	43.05	25.97	
5,601.89				10/10/07	43.02	25.94	
5,602.57				11/30/07	42.34	25.26	
5,602.82				12/11/07	42.09	25.01	
5,601.94				01/08/08	42.97	25.89	
5,599.13				02/18/08	45.78	28.70	
5,597.11				03/26/08	47.80	30.72	
5,595.51				04/23/08	49.40	32.32	
5594.42				05/30/08	50.49	33.41	
5,594.26				06/24/08	50.65	33.57	
5,586.67				07/16/08	58.24	41.16	
5,594.17				08/26/08	50.74	33.66	
5,594.23				09/10/08	50.68	33.60	
5,594.12				10/14/08	50.79	33.71	
5,594.06				11/26/08	50.85	33.77	
5,594.87				12/29/08	50.04	32.96	
5,595.89				01/26/09	49.02	31.94	
5,596.27				02/24/09	48.64	31.56	
5,596.47				03/06/09	48.44	31.36	
5,596.74				04/07/09	48.17	31.09	
5,597.55				05/29/09	47.36	30.28	
5,598.11				06/30/09	46.80	29.72	
5,598.22				07/31/09	46.69	29.61	
5,598.52				08/31/09	46.39	29.31	
5,598.49				09/10/09	46.42	29.34	
5,599.48				12/11/09	45.43	28.35	
5,599.75				03/11/10	45.16	28.08	
5,599.63				05/11/10	45.28	28.20	
5,598.68				09/29/10	46.23	29.15	
5,598.66				12/21/10	46.25	29.17	
5,598.18				02/28/11	46.73	29.65	
5,598.61				06/21/11	46.30	29.22	
5,598.08				09/20/11	46.83	29.75	
5,598.23				12/21/11	46.68	29.60	
5,597.41				03/27/12	47.50	30.42	
5,597.41				06/28/12	47.50	30.42	
5,595.60				09/27/12	49.31	32.23	
5,597.41				12/28/12	47.50	30.42	

Water Levels and Data over Time
White Mesa Mill - Well TW4-26

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,599.98	5,601.68	1.70				86
5,536.90				06/14/10	64.78	63.08	
5,536.95				09/29/10	64.73	63.03	
5,537.17				12/21/10	64.51	62.81	
5,537.16				02/28/11	64.52	62.82	
5,537.57				06/21/11	64.11	62.41	
5,537.59				09/20/11	64.09	62.39	
5,538.16				12/21/11	63.52	61.82	
5,538.18				03/27/12	63.50	61.80	
5538.23				06/28/12	63.45	61.75	
5,538.57				09/27/12	63.11	61.41	
5,538.20				12/28/12	63.48	61.78	
5,539.13				03/28/13	62.55	60.85	
5,539.00				06/27/13	62.68	60.98	
5,538.94				09/27/13	62.74	61.04	

Water Levels and Data over Time
White Mesa Mill - Well TW4-27

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,606.19	5,607.94	1.75				96
5,517.78				12/21/11	90.16	88.41	
5,524.84				03/27/12	83.10	81.35	
5,524.93				06/28/12	83.01	81.26	
5,525.59				09/27/12	82.35	80.60	
5,524.86				12/28/12	83.08	81.33	
5,526.37				03/28/13	81.57	79.82	
5,526.29				06/27/13	81.65	79.90	
5,527.04				09/27/13	80.90	79.15	

Water Levels and Data over Time
White Mesa Mill - Well TW4-28

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,613.52	5,617.00	3.48				105
5,580.69				03/28/13	36.31	32.83	
5,580.30				06/27/13	36.70	33.22	
5,580.35				09/27/13	36.65	33.17	

Water Levels and Data over Time
White Mesa Mill - Well TW4-29

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,602.56	5,606.04	3.48				105
5,533.98				03/28/13	72.06	68.58	
5,533.84				06/27/13	72.20	68.72	
5,534.27				09/27/13	71.77	68.29	

Water Levels and Data over Time
White Mesa Mill - Well TW4-30

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,599.33	5,602.81	3.48				105
5,524.78				03/28/13	78.03	74.55	
5,524.79				06/27/13	78.02	74.54	
5,525.54				09/27/13	77.27	73.79	

Water Levels and Data over Time
White Mesa Mill - Well TW4-31

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,601.10	5,604.58	3.48				105
5,520.17				03/28/13	84.41	80.93	
5,520.36				06/27/13	84.22	80.74	
5,521.22				09/27/13	83.36	79.88	

Tab H

Laboratory Analytical Reports

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-004
Client Sample ID: MW-04_09032013
Collection Date: 9/3/2013 1335h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 1419h	E300.0	10.0	**41.4**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1858h	E353.2	1.00	**4.89**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-004C
Client Sample ID: MW-04_09032013
Collection Date: 9/3/2013 1335h
Received Date: 9/6/2013 1145h

Test Code: 8260-W

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

Analyzed: 9/9/2013 2044h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**1,520**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	1,120	1,000	112	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	936	1,000	93.6	80-128	
Surr: Dibromofluoromethane	1868-53-7	1,070	1,000	107	80-124	
Surr: Toluene-d8	2037-26-5	944	1,000	94.4	77-129	

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

Analyzed: 9/9/2013 1045h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**1.13**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.9	50.00	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	45.1	50.00	90.1	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.0	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	47.2	50.00	94.4	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-006
Client Sample ID: TW4-01_09122013
Collection Date: 9/12/2013 0800h
Received Date: 9/13/2013 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Nitrate/Nitrite (as N)	mg/L		9/17/2013 2105h	E353.2	1.00	**7.12**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309328-001
Client Sample ID: TW4-01_09122013
Collection Date: 9/12/2013 0800h
Received Date: 9/18/2013 0930h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/19/2013 1829h	E300.0	10.0	**37.6**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-006C
Client Sample ID: TW4-01_09122013
Collection Date: 9/12/2013 0800h
Received Date: 9/13/2013 1015h
Test Code: 8260-W

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

Analyzed: 9/17/2013 1431h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**1,150**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	552	500.0	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	513	500.0	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	521	500.0	104	80-124	
Surr: Toluene-d8	2037-26-5	501	500.0	100	77-129	

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

Analyzed: 9/16/2013 2150h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.5	50.00	113	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.6	50.00	101	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.8	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	49.5	50.00	99.0	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-007
Client Sample ID: TW4-02_09122013
Collection Date: 9/12/2013 0807h
Received Date: 9/13/2013 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/18/2013 2155h	E300.0	10.0	**44.9**	
Nitrate/Nitrite (as N)	mg/L		9/17/2013 2106h	E353.2	1.00	**9.30**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-007C
Client Sample ID: TW4-02_09122013
Collection Date: 9/12/2013 0807h
Received Date: 9/13/2013 1015h
Test Code: 8260-W

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

Analyzed: 9/17/2013 1450h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**3,480**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	1,120	1,000	112	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	1,030	1,000	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	1,040	1,000	104	80-124	
Surr: Toluene-d8	2037-26-5	994	1,000	99.4	77-129	

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

Analyzed: 9/16/2013 2209h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**2.41**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.4	50.00	115	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.3	50.00	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.5	50.00	109	80-124	
Surr: Toluene-d8	2037-26-5	50.4	50.00	101	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-009
Client Sample ID: TW4-03_08292013
Collection Date: 8/29/2013 0700h
Received Date: 8/30/2013 0945h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/3/2013 2125h	E300.0	5.00	**24.0**	
Nitrate/Nitrite (as N)	mg/L		8/30/2013 1645h	E353.2	1.00	**6.26**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-009C
Client Sample ID: TW4-03_08292013
Collection Date: 8/29/2013 0700h
Received Date: 8/30/2013 0945h

Test Code: 8260-W

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

Analyzed: 8/30/2013 1644h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.6	50.00	115	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.3	50.00	98.6	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.8	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	49.6	50.00	99.1	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-001
Client Sample ID: TW4-03R_08282013
Collection Date: 8/28/2013 0933h
Received Date: 8/30/2013 0945h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/3/2013 1622h	E300.0	1.00	< 1.00	
Nitrate/Nitrite (as N)	mg/L		8/30/2013 1629h	E353.2	0.100	< 0.100	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-001C
Client Sample ID: TW4-03R_08282013
Collection Date: 8/28/2013 0933h
Received Date: 8/30/2013 0945h

Test Code: 8260-W

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

Analyzed: 8/30/2013 1331h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.4	50.00	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.9	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.1	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	50.9	50.00	102	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-003
Client Sample ID: TW4-04_09032013
Collection Date: 9/3/2013 1347h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 1354h	E300.0	10.0	**38.8**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1856h	E353.2	1.00	**7.22**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-003C
Client Sample ID: TW4-04_09032013
Collection Date: 9/3/2013 1347h
Received Date: 9/6/2013 1145h
Test Code: 8260-W

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

Analyzed: 9/9/2013 2025h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**1,380**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	568	500.0	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	482	500.0	96.5	80-128	
Surr: Dibromofluoromethane	1868-53-7	545	500.0	109	80-124	
Surr: Toluene-d8	2037-26-5	479	500.0	95.7	77-129	

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

Analyzed: 9/9/2013 1026h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.5	50.00	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	44.2	50.00	88.5	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.4	50.00	109	80-124	
Surr: Toluene-d8	2037-26-5	47.2	50.00	94.4	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-019
Client Sample ID: TW4-05_09052013
Collection Date: 9/5/2013 0805h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/13/2013 0003h	E300.0	10.0	**39.1**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1929h	E353.2	1.00	**7.79**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-019C
Client Sample ID: TW4-05_09052013
Collection Date: 9/5/2013 0805h
Received Date: 9/6/2013 1145h

Test Code: 8260-W

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

Analyzed: 9/9/2013 1947h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	**11.6**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.5	50.00	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.4	50.00	94.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.3	50.00	105	80-124	
Surr: Toluene-d8	2037-26-5	46.2	50.00	92.5	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-010
Client Sample ID: TW4-05R_09042013
Collection Date: 9/4/2013 1407h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 1809h	E300.0	1.00	< 1.00	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1913h	E353.2	0.100	< 0.100	

J - Estimated value between the MDL and the reporting limit (PQL).

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-010C
Client Sample ID: TW4-05R_09042013
Collection Date: 9/4/2013 1407h
Received Date: 9/6/2013 1145h

Test Code: 8260-W

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

Analyzed: 9/9/2013 2239h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.2	50.00	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.2	50.00	96.5	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.0	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	47.4	50.00	94.8	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-018
Client Sample ID: TW4-06_09052013
Collection Date: 9/5/2013 0757h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 2337h	E300.0	10.0	**40.6**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1928h	E353.2	0.100	**0.157**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-018C
Client Sample ID: TW4-06_09052013
Collection Date: 9/5/2013 0757h
Received Date: 9/6/2013 1145h
Test Code: 8260-W

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

Analyzed: 9/9/2013 1928h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	**5.93**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.7	50.00	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.5	50.00	96.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.6	50.00	105	80-124	
Surr: Toluene-d8	2037-26-5	47.5	50.00	95.1	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-005
Client Sample ID: TW4-07_09122013
Collection Date: 9/12/2013 0753h
Received Date: 9/13/2013 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/18/2013 2131h	E300.0	10.0	**36.4**	
Nitrate/Nitrite (as N)	mg/L		9/17/2013 2104h	E353.2	1.00	**4.17**	1

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

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-005C
Client Sample ID: TW4-07_09122013
Collection Date: 9/12/2013 0753h
Received Date: 9/13/2013 1015h
Test Code: 8260-W

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

Analyzed: 9/17/2013 1413h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**1,040**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	555	500.0	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	518	500.0	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	522	500.0	104	80-124	
Surr: Toluene-d8	2037-26-5	504	500.0	101	77-129	

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

Analyzed: 9/16/2013 2132h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.5	50.00	115	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.4	50.00	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.9	50.00	110	80-124	
Surr: Toluene-d8	2037-26-5	51.1	50.00	102	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-014
Client Sample ID: TW4-08_09052013
Collection Date: 9/5/2013 0710h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 2040h	E300.0	10.0	**47.5**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1919h	E353.2	0.100	< 0.100	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-014C
Client Sample ID: TW4-08_09052013
Collection Date: 9/5/2013 0710h
Received Date: 9/6/2013 1145h

Test Code: 8260-W

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

Analyzed: 9/9/2013 1811h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.2	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.4	50.00	94.7	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.0	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	48.2	50.00	96.4	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-015
Client Sample ID: TW4-09_09052013
Collection Date: 9/5/2013 0723h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 2221h	E300.0	5.00	**22.7**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1920h	E353.2	1.00	**4.03**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-015C
Client Sample ID: TW4-09_09052013
Collection Date: 9/5/2013 0723h
Received Date: 9/6/2013 1145h

Test Code: 8260-W

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

Analyzed: 9/9/2013 1830h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.0	50.00	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.7	50.00	95.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.3	50.00	105	80-124	
Surr: Toluene-d8	2037-26-5	48.1	50.00	96.2	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-003
Client Sample ID: TW4-10_09122013
Collection Date: 9/12/2013 0723h
Received Date: 9/13/2013 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/18/2013 1935h	E300.0	10.0	**67.9**	
Nitrate/Nitrite (as N)	mg/L		9/17/2013 2101h	E353.2	1.00	**13.0**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-003C
Client Sample ID: TW4-10_09122013
Collection Date: 9/12/2013 0723h
Received Date: 9/13/2013 1015h
Test Code: 8260-W

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

Analyzed: 9/17/2013 1336h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**1,160**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	547	500.0	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	517	500.0	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	524	500.0	105	80-124	
Surr: Toluene-d8	2037-26-5	511	500.0	102	77-129	

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

Analyzed: 9/16/2013 2055h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.2	50.00	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.8	50.00	106	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.8	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	50.2	50.00	100	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-004
Client Sample ID: TW4-11_09122013
Collection Date: 9/12/2013 0747h
Received Date: 9/13/2013 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/18/2013 1958h	E300.0	10.0	**46.6**	
Nitrate/Nitrite (as N)	mg/L		9/17/2013 2102h	E353.2	1.00	**7.80**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-004C
Client Sample ID: TW4-11_09122013
Collection Date: 9/12/2013 0747h
Received Date: 9/13/2013 1015h

Test Code: 8260-W

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

Analyzed: 9/17/2013 1354h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**865**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	544	500.0	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	517	500.0	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	514	500.0	103	80-124	
Surr: Toluene-d8	2037-26-5	507	500.0	101	77-129	

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

Analyzed: 9/16/2013 2113h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.5	50.00	113	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.7	50.00	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.8	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	50.1	50.00	100	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-002
Client Sample ID: TW4-12_08292013
Collection Date: 8/29/2013 0715h
Received Date: 8/30/2013 0945h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/3/2013 1732h	E300.0	5.00	**41.7**	
Nitrate/Nitrite (as N)	mg/L		8/30/2013 1631h	E353.2	1.00	**17.4**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-002C
Client Sample ID: TW4-12_08292013
Collection Date: 8/29/2013 0715h
Received Date: 8/30/2013 0945h

Test Code: 8260-W

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

Analyzed: 8/30/2013 1429h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.8	50.00	112	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.2	50.00	96.5	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.8	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	49.4	50.00	98.9	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-003
Client Sample ID: TW4-13_08292013
Collection Date: 8/29/2013 0721h
Received Date: 8/30/2013 0945h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/3/2013 1755h	E300.0	10.0	**63.5**	
Nitrate/Nitrite (as N)	mg/L		8/30/2013 1632h	E353.2	1.00	**7.16**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-003C
Client Sample ID: TW4-13_08292013
Collection Date: 8/29/2013 0721h
Received Date: 8/30/2013 0945h

Test Code: 8260-W

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

Analyzed: 8/30/2013 1448h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.5	50.00	113	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.7	50.00	97.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.2	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	49.8	50.00	99.6	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-004
Client Sample ID: TW4-14_08292013
Collection Date: 8/29/2013 0729h
Received Date: 8/30/2013 0945h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/3/2013 1818h	E300.0	5.00	**37.6**	
Nitrate/Nitrite (as N)	mg/L		8/30/2013 1634h	E353.2	1.00	**4.51**	1

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

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-004C
Client Sample ID: TW4-14_08292013
Collection Date: 8/29/2013 0729h
Received Date: 8/30/2013 0945h

Test Code: 8260-W

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

Analyzed: 8/30/2013 1507h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.3	50.00	113	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.4	50.00	101	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.8	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	49.6	50.00	99.2	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-006
Client Sample ID: MW-26_09032013
Collection Date: 9/3/2013 1325h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 1510h	E300.0	10.0	**60.5**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1932h	E353.2	0.100	**1.18**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-006C
Client Sample ID: MW-26_09032013
Collection Date: 9/3/2013 1325h
Received Date: 9/6/2013 1145h
Test Code: 8260-W

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

Analyzed: 9/9/2013 2122h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**2,940**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	1,130	1,000	113	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	957	1,000	95.7	80-128	
Surr: Dibromofluoromethane	1868-53-7	1,100	1,000	110	80-124	
Surr: Toluene-d8	2037-26-5	957	1,000	95.7	77-129	

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

Analyzed: 9/9/2013 1124h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	**33.2**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.0	50.00	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	44.5	50.00	89.0	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.6	50.00	107	80-124	
Surr: Toluene-d8	2037-26-5	47.1	50.00	94.3	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-016
Client Sample ID: TW4-16_09052013
Collection Date: 9/5/2013 0729h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 2247h	E300.0	10.0	**54.4**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1921h	E353.2	0.100	< 0.100	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-016C
Client Sample ID: TW4-16_09052013
Collection Date: 9/5/2013 0729h
Received Date: 9/6/2013 1145h

Test Code: 8260-W

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

Analyzed: 9/9/2013 1849h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.8	50.00	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.9	50.00	97.8	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.2	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	49.4	50.00	98.9	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-009
Client Sample ID: MW-32_09042013
Collection Date: 9/4/2013 1240h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 1743h	E300.0	10.0	**33.0**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1912h	E353.2	0.100	< 0.100	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-009C
Client Sample ID: MW-32_09042013
Collection Date: 9/4/2013 1240h
Received Date: 9/6/2013 1145h
Test Code: 8260-W

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

Analyzed: 9/9/2013 2220h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.7	50.00	113	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.6	50.00	95.2	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.1	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	46.2	50.00	92.3	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-020
Client Sample ID: TW4-18_09052013
Collection Date: 9/5/2013 0815h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/13/2013 0028h	E300.0	5.00	**36.2**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1931h	E353.2	1.00	**12.1**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-020C
Client Sample ID: TW4-18_09052013
Collection Date: 9/5/2013 0815h
Received Date: 9/6/2013 1145h

Test Code: 8260-W

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

Analyzed: 9/9/2013 2006h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	**41.0**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.5	50.00	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.9	50.00	93.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.0	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	46.7	50.00	93.4	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-005
Client Sample ID: TW4-19_09032013
Collection Date: 9/3/2013 1030h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 1445h	E300.0	50.0	**179**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1859h	E353.2	1.00	**17.6**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-005C
Client Sample ID: TW4-19_09032013
Collection Date: 9/3/2013 1030h
Received Date: 9/6/2013 1145h

Test Code: 8260-W

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

Analyzed: 9/9/2013 2103h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**8,100**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,820	2,500	113	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,340	2,500	93.7	80-128	
Surr: Dibromofluoromethane	1868-53-7	2,720	2,500	109	80-124	
Surr: Toluene-d8	2037-26-5	2,340	2,500	93.8	77-129	

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

Analyzed: 9/9/2013 1105h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**20.7**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.0	50.00	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	44.6	50.00	89.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.1	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	47.0	50.00	94.1	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-008
Client Sample ID: TW4-20_09032013
Collection Date: 9/3/2013 1315h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 1717h	E300.0	50.0	**260**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1911h	E353.2	1.00	**8.65**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-008C
Client Sample ID: TW4-20_09032013
Collection Date: 9/3/2013 1315h
Received Date: 9/6/2013 1145h
Test Code: 8260-W

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

Analyzed: 9/10/2013 1657h
Units: µg/L **Dilution Factor:** 500 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	500	**26,800**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	28,500	25,000	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	23,600	25,000	94.4	80-128	
Surr: Dibromofluoromethane	1868-53-7	27,000	25,000	108	80-124	
Surr: Toluene-d8	2037-26-5	23,800	25,000	95.3	77-129	

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

Analyzed: 9/9/2013 1259h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**25.7**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	**2.14**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.6	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.4	50.00	92.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	45.0	50.00	90.0	80-124	
Surr: Toluene-d8	2037-26-5	48.9	50.00	97.8	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-002
Client Sample ID: TW4-21_09122013
Collection Date: 9/12/2013 0711h
Received Date: 9/13/2013 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/18/2013 1912h	E300.0	50.0	**207**	
Nitrate/Nitrite (as N)	mg/L		9/17/2013 2059h	E353.2	1.00	**10.3**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-002C
Client Sample ID: TW4-21_09122013
Collection Date: 9/12/2013 0711h
Received Date: 9/13/2013 1015h
Test Code: 8260-W

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

Analyzed: 9/16/2013 2037h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**2.13**	
Chloroform	67-66-3	1.00	**244**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.1	50.00	112	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.4	50.00	101	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.3	50.00	107	80-124	
Surr: Toluene-d8	2037-26-5	49.7	50.00	99.5	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-007
Client Sample ID: TW4-22_09032013
Collection Date: 9/3/2013 1305h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 1651h	E300.0	100	**487**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1933h	E353.2	10.0	**29.7**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-007C
Client Sample ID: TW4-22_09032013
Collection Date: 9/3/2013 1305h
Received Date: 9/6/2013 1145h
Test Code: 8260-W

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

Analyzed: 9/9/2013 0851h
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	**9,640**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	5,410	5,000	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	4,590	5,000	91.8	80-128	
Surr: Dibromofluoromethane	1868-53-7	5,290	5,000	106	80-124	
Surr: Toluene-d8	2037-26-5	4,780	5,000	95.6	77-129	

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

Analyzed: 9/9/2013 0813h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**3.25**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.0	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	45.2	50.00	90.4	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.6	50.00	99.2	80-124	
Surr: Toluene-d8	2037-26-5	48.0	50.00	95.9	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-013
Client Sample ID: TW4-23_09052013
Collection Date: 9/5/2013 0704h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 2015h	E300.0	10.0	**48.0**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1917h	E353.2	0.100	< 0.100	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-013C
Client Sample ID: TW4-23_09052013
Collection Date: 9/5/2013 0704h
Received Date: 9/6/2013 1145h

Test Code: 8260-W

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

Analyzed: 9/9/2013 1454h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.7	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	44.9	50.00	89.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.1	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	46.0	50.00	92.0	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-002
Client Sample ID: TW4-24_09032013
Collection Date: 9/3/2013 1255h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 1329h	E300.0	100	**998**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1855h	E353.2	10.0	**32.6**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-002C
Client Sample ID: TW4-24_09032013
Collection Date: 9/3/2013 1255h
Received Date: 9/6/2013 1145h
Test Code: 8260-W

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

Analyzed: 9/9/2013 1007h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	**21.8**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.1	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	45.1	50.00	90.2	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.7	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	47.2	50.00	94.3	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-001
Client Sample ID: TW4-25_09032013
Collection Date: 9/3/2013 1240h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 1213h	E300.0	50.0	**119**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1853h	E353.2	1.00	**5.69**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-001C
Client Sample ID: TW4-25_09032013
Collection Date: 9/3/2013 1240h
Received Date: 9/6/2013 1145h

Test Code: 8260-W

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

Analyzed: 9/9/2013 2201h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.2	50.00	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.7	50.00	97.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.8	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	47.5	50.00	95.0	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-017
Client Sample ID: TW4-26_09052013
Collection Date: 9/5/2013 0748h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 2312h	E300.0	5.00	**17.6**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1926h	E353.2	1.00	**11.7**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-017C
Client Sample ID: TW4-26_09052013
Collection Date: 9/5/2013 0748h
Received Date: 9/6/2013 1145h

Test Code: 8260-W

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

Analyzed: 9/9/2013 1908h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	**2.81**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.4	50.00	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.2	50.00	94.5	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.0	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	47.4	50.00	94.8	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-005
Client Sample ID: TW4-27_08292013
Collection Date: 8/29/2013 0735h
Received Date: 8/30/2013 0945h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/3/2013 1842h	E300.0	5.00	**19.0**	
Nitrate/Nitrite (as N)	mg/L		8/30/2013 1635h	E353.2	10.0	**27.2**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-005C
Client Sample ID: TW4-27_08292013
Collection Date: 8/29/2013 0735h
Received Date: 8/30/2013 0945h

Test Code: 8260-W

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

Analyzed: 8/30/2013 1527h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.2	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.8	50.00	93.7	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.5	50.00	99.0	80-124	
Surr: Toluene-d8	2037-26-5	47.6	50.00	95.2	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-006
Client Sample ID: TW4-28_08292013
Collection Date: 8/29/2013 0743h
Received Date: 8/30/2013 0945h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/3/2013 1905h	E300.0	10.0	**45.3**	
Nitrate/Nitrite (as N)	mg/L		8/30/2013 1636h	E353.2	1.00	**17.3**	

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-006C
Client Sample ID: TW4-28_08292013
Collection Date: 8/29/2013 0743h
Received Date: 8/30/2013 0945h

Test Code: 8260-W

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

Analyzed: 8/30/2013 1546h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.0	50.00	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.5	50.00	99.0	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.6	50.00	103	80-124	
Surr: Toluene-d8	2037-26-5	49.2	50.00	98.3	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-001
Client Sample ID: TW4-29_09122013
Collection Date: 9/12/2013 0657h
Received Date: 9/13/2013 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/18/2013 1848h	E300.0	10.0	**20.5**	
Nitrate/Nitrite (as N)	mg/L		9/17/2013 2115h	E353.2	5.00	**31.1**	

Rejected

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-001C
Client Sample ID: TW4-29_09122013
Collection Date: 9/12/2013 0657h
Received Date: 9/13/2013 1015h

Test Code: 8260-W

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

Analyzed: 9/16/2013 2018h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.7	50.00	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.2	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.8	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	49.5	50.00	98.9	77-129	

Rejected

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform Re-Sample
Lab Sample ID: 1309526-001
Client Sample ID: TW4-29_09262013
Collection Date: 9/26/2013 713h
Received Date: 9/27/2013 1010h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/27/2013 1544h	E300.0	5.00	**41.4**	
Nitrate/Nitrite (as N)	mg/L		9/27/2013 1857h	E353.2	1.00	**4.18**	'

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

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform Re-Sample
Lab Sample ID: 1309526-001C
Client Sample ID: TW4-29_09262013
Collection Date: 9/26/2013 713h
Received Date: 9/27/2013 1010h

Test Code: 8260-W

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

Analyzed: 9/27/2013 1307h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**246**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	523	500.0	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	562	500.0	112	80-128	
Surr: Dibromofluoromethane	1868-53-7	542	500.0	108	80-124	
Surr: Toluene-d8	2037-26-5	547	500.0	109	77-129	

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

Analyzed: 9/27/2013 1158h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.0	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	56.8	50.00	114	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.6	50.00	109	80-124	
Surr: Toluene-d8	2037-26-5	56.0	50.00	112	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-007
Client Sample ID: TW4-30_08292013
Collection Date: 8/29/2013 0751h
Received Date: 8/30/2013 0945h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/3/2013 2038h	E300.0	5.00	**36.3**	
Nitrate/Nitrite (as N)	mg/L		8/30/2013 1638h	E353.2	0.100	**0.952**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-007C
Client Sample ID: TW4-30_08292013
Collection Date: 8/29/2013 0751h
Received Date: 8/30/2013 0945h

Test Code: 8260-W

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

Analyzed: 8/30/2013 1605h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.9	50.00	116	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.9	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.0	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	49.6	50.00	99.2	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-012
Client Sample ID: TW4-31_09052013
Collection Date: 9/5/2013 0655h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 1950h	E300.0	5.00	**29.4**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1916h	E353.2	0.100	**1.10**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-012C
Client Sample ID: TW4-31_09052013
Collection Date: 9/5/2013 0655h
Received Date: 9/6/2013 1145h

Test Code: 8260-W

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

Analyzed: 9/9/2013 1435h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.2	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.0	50.00	93.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.3	50.00	103	80-124	
Surr: Toluene-d8	2037-26-5	47.2	50.00	94.4	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-008
Client Sample ID: TW4-60_ 09122013
Collection Date: 9/12/2013 0845h
Received Date: 9/13/2013 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/18/2013 2218h	E300.0	1.00	< 1.00	
Nitrate/Nitrite (as N)	mg/L		9/17/2013 2108h	E353.2	0.100	< 0.100	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-008C
Client Sample ID: TW4-60_ 09122013
Collection Date: 9/12/2013 0845h
Received Date: 9/13/2013 1015h
Test Code: 8260-W

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

Analyzed: 9/17/2013 1508h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.4	50.00	113	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.4	50.00	107	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.5	50.00	103	80-124	
Surr: Toluene-d8	2037-26-5	50.7	50.00	101	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-008
Client Sample ID: TW4-65_08292013
Collection Date: 8/29/2013 0700h
Received Date: 8/30/2013 0945h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/3/2013 2101h	E300.0	10.0	**24.2**	
Nitrate/Nitrite (as N)	mg/L		8/30/2013 1643h	E353.2	1.00	**5.98**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-008C
Client Sample ID: TW4-65_08292013
Collection Date: 8/29/2013 0700h
Received Date: 8/30/2013 0945h

Test Code: 8260-W

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

Analyzed: 8/30/2013 1625h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.8	50.00	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.2	50.00	98.4	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.1	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	49.0	50.00	98.0	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-011
Client Sample ID: TW4-70_09052013
Collection Date: 9/5/2013 0710h
Received Date: 9/6/2013 1145h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2013 1924h	E300.0	5.00	**47.7**	
Nitrate/Nitrite (as N)	mg/L		9/12/2013 1935h	E353.2	0.100	< 0.100	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-011C
Client Sample ID: TW4-70_09052013
Collection Date: 9/5/2013 0710h
Received Date: 9/6/2013 1145h

Test Code: 8260-W

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

Analyzed: 9/9/2013 2258h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.1	50.00	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.0	50.00	94.0	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.9	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	47.5	50.00	95.0	77-129	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309103-021A
Client Sample ID: Trip Blank
Collection Date: 9/3/2013
Received Date: 9/6/2013 1145h

Test Code: 8260-W

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

Analyzed: 9/9/2013 2317h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.7	50.00	115	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.0	50.00	95.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.4	50.00	107	80-124	
Surr: Toluene-d8	2037-26-5	47.6	50.00	95.2	77-129	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1309255-009A
Client Sample ID: Trip Blank
Collection Date: 9/12/2013
Received Date: 9/13/2013 1015h **Test Code:** 8260-W

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

Analyzed: 9/16/2013 2245h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.1	50.00	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.1	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.3	50.00	105	80-124	
Surr: Toluene-d8	2037-26-5	50.1	50.00	100	77-129	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform Re-Sample
Lab Sample ID: 1309526-002A
Client Sample ID: Trip Blank
Collection Date: 9/26/2013
Received Date: 9/27/2013 1010h **Test Code:** 8260-W

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

Analyzed: 9/27/2013 1140h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.9	50.00	99.7	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	57.4	50.00	115	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.5	50.00	107	80-124	
Surr: Toluene-d8	2037-26-5	56.0	50.00	112	77-129	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Sample ID: 1308555-010A
Client Sample ID: Trip Blank
Collection Date: 8/28/2013
Received Date: 8/30/2013 0945h

Test Code: 8260-W

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

Analyzed: 8/30/2013 1703h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.4	50.00	115	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.7	50.00	99.4	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.4	50.00	105	80-124	
Surr: Toluene-d8	2037-26-5	49.5	50.00	99.0	77-129	

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Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 3rd Quarter Chloroform 2013

Dear Garrin Palmer: Lab Set ID: 1309103

American West Analytical Laboratories received 21 sample(s) on 9/6/2013 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Kyle F. Gross
Digitally signed by Kyle F. Gross
DN: cn=Kyle F. Gross, o=AWAL, ou=AWAL-Laboratory Director, email=kyle@awal-labs.com, c=US
Date: 2013.09.18 14:00:04 -06'00'

Laboratory Director or designee

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Jose Rocha
QA Officer

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Set ID: 1309103
Date Received: 9/6/2013 1145h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1309103-001A	TW4-25_09032013	9/3/2013	1240h	Aqueous	Anions, E300.0
1309103-001B	TW4-25_09032013	9/3/2013	1240h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-001C	TW4-25_09032013	9/3/2013	1240h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-002A	TW4-24_09032013	9/3/2013	1255h	Aqueous	Anions, E300.0
1309103-002B	TW4-24_09032013	9/3/2013	1255h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-002C	TW4-24_09032013	9/3/2013	1255h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-003A	TW4-04_09032013	9/3/2013	1347h	Aqueous	Anions, E300.0
1309103-003B	TW4-04_09032013	9/3/2013	1347h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-003C	TW4-04_09032013	9/3/2013	1347h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-004A	MW-04_09032013	9/3/2013	1335h	Aqueous	Anions, E300.0
1309103-004B	MW-04_09032013	9/3/2013	1335h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-004C	MW-04_09032013	9/3/2013	1335h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-005A	TW4-19_09032013	9/3/2013	1030h	Aqueous	Anions, E300.0
1309103-005B	TW4-19_09032013	9/3/2013	1030h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-005C	TW4-19_09032013	9/3/2013	1030h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-006A	MW-26_09032013	9/3/2013	1325h	Aqueous	Anions, E300.0
1309103-006B	MW-26_09032013	9/3/2013	1325h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-006C	MW-26_09032013	9/3/2013	1325h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-007A	TW4-22_09032013	9/3/2013	1305h	Aqueous	Anions, E300.0
1309103-007B	TW4-22_09032013	9/3/2013	1305h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-007C	TW4-22_09032013	9/3/2013	1305h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-008A	TW4-20_09032013	9/3/2013	1315h	Aqueous	Anions, E300.0
1309103-008B	TW4-20_09032013	9/3/2013	1315h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-008C	TW4-20_09032013	9/3/2013	1315h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-009A	MW-32_09042013	9/4/2013	1240h	Aqueous	Anions, E300.0
1309103-009B	MW-32_09042013	9/4/2013	1240h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-009C	MW-32_09042013	9/4/2013	1240h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-010A	TW4-05R_09042013	9/4/2013	1407h	Aqueous	Anions, E300.0
1309103-010B	TW4-05R_09042013	9/4/2013	1407h	Aqueous	Nitrite/Nitrate (as N), E353.2

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Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Set ID: 1309103
Date Received: 9/6/2013 1145h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1309103-010C	TW4-05R_09042013	9/4/2013	1407h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-011A	TW4-70_09052013	9/5/2013	0710h	Aqueous	Anions, E300.0
1309103-011B	TW4-70_09052013	9/5/2013	0710h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-011C	TW4-70_09052013	9/5/2013	0710h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-012A	TW4-31_09052013	9/5/2013	0655h	Aqueous	Anions, E300.0
1309103-012B	TW4-31_09052013	9/5/2013	0655h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-012C	TW4-31_09052013	9/5/2013	0655h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-013A	TW4-23_09052013	9/5/2013	0704h	Aqueous	Anions, E300.0
1309103-013B	TW4-23_09052013	9/5/2013	0704h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-013C	TW4-23_09052013	9/5/2013	0704h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-014A	TW4-08_09052013	9/5/2013	0710h	Aqueous	Anions, E300.0
1309103-014B	TW4-08_09052013	9/5/2013	0710h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-014C	TW4-08_09052013	9/5/2013	0710h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-015A	TW4-09_09052013	9/5/2013	0723h	Aqueous	Anions, E300.0
1309103-015B	TW4-09_09052013	9/5/2013	0723h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-015C	TW4-09_09052013	9/5/2013	0723h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-016A	TW4-16_09052013	9/5/2013	0729h	Aqueous	Anions, E300.0
1309103-016B	TW4-16_09052013	9/5/2013	0729h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-016C	TW4-16_09052013	9/5/2013	0729h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-017A	TW4-26_09052013	9/5/2013	0748h	Aqueous	Anions, E300.0
1309103-017B	TW4-26_09052013	9/5/2013	0748h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-017C	TW4-26_09052013	9/5/2013	0748h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-018A	TW4-06_09052013	9/5/2013	0757h	Aqueous	Anions, E300.0
1309103-018B	TW4-06_09052013	9/5/2013	0757h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-018C	TW4-06_09052013	9/5/2013	0757h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-019A	TW4-05_09052013	9/5/2013	0805h	Aqueous	Anions, E300.0
1309103-019B	TW4-05_09052013	9/5/2013	0805h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309103-019C	TW4-05_09052013	9/5/2013	0805h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-020A	TW4-18_09052013	9/5/2013	0815h	Aqueous	Anions, E300.0
1309103-020B	TW4-18_09052013	9/5/2013	0815h	Aqueous	Nitrite/Nitrate (as N), E353.2

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Set ID: 1309103
Date Received: 9/6/2013 1145h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1309103-020C	TW4-18_09052013	9/5/2013	0815h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309103-021A	Trip Blank	9/3/2013		Aqueous	VOA by GC/MS Method 8260C/5030C

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Jose Rocha
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Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Chloroform 2013
Lab Set ID:	1309103

Sample Receipt Information:

Date of Receipt:	9/6/2013
Date(s) of Collection:	9/3, 9/4, & 9/5/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Corrective Action: None required.

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Jose Rocha
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Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Chloroform 2013
Lab Set ID:	1309103

Sample Receipt Information:

Date of Receipt:	9/6/2013
Date(s) of Collection:	9/3, 9/4, & 9/5/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309103
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R59066 Date Analyzed: 09/12/2013 1148h													
Test Code: 300.0-W													
Chloride	5.02	mg/L	E300.0	0.0114	1.00	5.000	0	100	90 - 110				
Lab Sample ID: LCS-R59048 Date Analyzed: 09/12/2013 1852h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.969	mg/L	E353.2	0.00252	0.100	1.000	0	96.9	90 - 110				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309103
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R59066 Date Analyzed: 09/12/2013 1122h													
Test Code: 300.0-W													
Chloride	< 1.00	mg/L	E300.0	0.0114	1.00								
Lab Sample ID: MB-R59048 Date Analyzed: 09/12/2013 1851h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.100	mg/L	E353.2	0.00252	0.100								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309103
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1309103-001AMS Date Analyzed: 09/12/2013 1238h													
Test Code: 300.0-W													
Chloride	2,540	mg/L	E300.0	5.70	500	2,500	119	96.9	90 - 110				
Lab Sample ID: 1309103-010AMS Date Analyzed: 09/12/2013 1834h													
Test Code: 300.0-W													
Chloride	4.96	mg/L	E300.0	0.0114	1.00	5.000	0.043	98.4	90 - 110				
Lab Sample ID: 1309103-001BMS Date Analyzed: 09/12/2013 1902h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	16.6	mg/L	E353.2	0.0252	1.00	10.00	5.69	110	90 - 110				
Lab Sample ID: 1309103-015BMS Date Analyzed: 09/12/2013 1936h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	14.8	mg/L	E353.2	0.0252	1.00	10.00	4.03	107	90 - 110				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309103
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1309103-001AMSD Date Analyzed: 09/12/2013 1304h Test Code: 300.0-W													
Chloride	2,520	mg/L	E300.0	5.70	500	2,500	119	96.1	90 - 110	2540	0.778	20	
Lab Sample ID: 1309103-010AMSD Date Analyzed: 09/12/2013 1859h Test Code: 300.0-W													
Chloride	5.11	mg/L	E300.0	0.0114	1.00	5.000	0.043	101	90 - 110	4.96	2.98	20	
Lab Sample ID: 1309103-001BMSD Date Analyzed: 09/12/2013 1903h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	16.1	mg/L	E353.2	0.0252	1.00	10.00	5.69	104	90 - 110	16.6	3.49	10	
Lab Sample ID: 1309103-015BMSD Date Analyzed: 09/12/2013 1937h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	14.5	mg/L	E353.2	0.0252	1.00	10.00	4.03	105	90 - 110	14.8	1.57	10	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309103
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOC 090913A Date Analyzed: 09/09/2013 0715h													
Test Code: 8260-W													
Chloroform	20.2	µg/L	SW8260C	0.277	2.00	20.00	0	101	67 - 132				
Methylene chloride	20.9	µg/L	SW8260C	0.155	2.00	20.00	0	105	32 - 185				
Surr: 1,2-Dichloroethane-d4	52.2	µg/L	SW8260C			50.00		104	76 - 138				
Surr: 4-Bromofluorobenzene	47.6	µg/L	SW8260C			50.00		95.1	77 - 121				
Surr: Dibromofluoromethane	51.6	µg/L	SW8260C			50.00		103	67 - 128				
Surr: Toluene-d8	48.4	µg/L	SW8260C			50.00		96.8	81 - 135				
Lab Sample ID: LCS VOC 090913B Date Analyzed: 09/09/2013 1611h													
Test Code: 8260-W													
Chloroform	19.1	µg/L	SW8260C	0.277	2.00	20.00	0	95.4	67 - 132				
Methylene chloride	20.4	µg/L	SW8260C	0.155	2.00	20.00	0	102	32 - 185				
Surr: 1,2-Dichloroethane-d4	52.8	µg/L	SW8260C			50.00		106	76 - 138				
Surr: 4-Bromofluorobenzene	45.6	µg/L	SW8260C			50.00		91.3	77 - 121				
Surr: Dibromofluoromethane	52.2	µg/L	SW8260C			50.00		104	67 - 128				
Surr: Toluene-d8	48.4	µg/L	SW8260C			50.00		96.8	81 - 135				
Lab Sample ID: LCS VOC 091013A Date Analyzed: 09/10/2013 0740h													
Test Code: 8260-W													
Chloroform	20.8	µg/L	SW8260C	0.277	2.00	20.00	0	104	67 - 132				
Methylene chloride	23.0	µg/L	SW8260C	0.155	2.00	20.00	0	115	32 - 185				
Surr: 1,2-Dichloroethane-d4	53.0	µg/L	SW8260C			50.00		106	76 - 138				
Surr: 4-Bromofluorobenzene	45.9	µg/L	SW8260C			50.00		91.8	77 - 121				
Surr: Dibromofluoromethane	52.0	µg/L	SW8260C			50.00		104	67 - 128				
Surr: Toluene-d8	47.0	µg/L	SW8260C			50.00		94.0	81 - 135				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309103
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB VOC 090913A Date Analyzed: 09/09/2013 0754h													
Test Code: 8260-W													
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.137	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.277	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.127	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.155	1.00								
Surr: 1,2-Dichloroethane-d4	55.8	µg/L	SW8260C			50.00		112	76 - 138				
Surr: 4-Bromofluorobenzene	46.2	µg/L	SW8260C			50.00		92.4	77 - 121				
Surr: Dibromofluoromethane	52.4	µg/L	SW8260C			50.00		105	67 - 128				
Surr: Toluene-d8	48.7	µg/L	SW8260C			50.00		97.3	81 - 135				
Lab Sample ID: MB VOC 090913B Date Analyzed: 09/09/2013 1650h													
Test Code: 8260-W													
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.137	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.277	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.127	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.155	1.00								
Surr: 1,2-Dichloroethane-d4	54.7	µg/L	SW8260C			50.00		109	76 - 138				
Surr: 4-Bromofluorobenzene	47.4	µg/L	SW8260C			50.00		94.8	77 - 121				
Surr: Dibromofluoromethane	51.7	µg/L	SW8260C			50.00		103	67 - 128				
Surr: Toluene-d8	48.4	µg/L	SW8260C			50.00		96.8	81 - 135				
Lab Sample ID: MB VOC 091013A Date Analyzed: 09/10/2013 0818h													
Test Code: 8260-W													
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.137	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.277	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.127	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.155	1.00								
Surr: 1,2-Dichloroethane-d4	56.6	µg/L	SW8260C			50.00		113	76 - 138				
Surr: 4-Bromofluorobenzene	47.6	µg/L	SW8260C			50.00		95.1	77 - 121				
Surr: Dibromofluoromethane	53.0	µg/L	SW8260C			50.00		106	67 - 128				
Surr: Toluene-d8	47.8	µg/L	SW8260C			50.00		95.7	81 - 135				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309103
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1309103-007CMS Date Analyzed: 09/09/2013 0910h													
Test Code: 8260-W													
Chloroform	12,100	µg/L	SW8260C	27.7	200	2,000	9640	124	50 - 146				
Methylene chloride	2,320	µg/L	SW8260C	15.5	200	2,000	0	116	30 - 192				
Surr: 1,2-Dichloroethane-d4	5,480	µg/L	SW8260C			5,000		110	72 - 151				
Surr: 4-Bromofluorobenzene	4,380	µg/L	SW8260C			5,000		87.6	80 - 128				
Surr: Dibromofluoromethane	5,280	µg/L	SW8260C			5,000		106	80 - 124				
Surr: Toluene-d8	4,720	µg/L	SW8260C			5,000		94.4	77 - 129				
Lab Sample ID: 1309103-014CMS Date Analyzed: 09/10/2013 0015h													
Test Code: 8260-W													
Chloroform	20.9	µg/L	SW8260C	0.277	2.00	20.00	0	105	50 - 146				
Methylene chloride	23.3	µg/L	SW8260C	0.155	2.00	20.00	0	117	30 - 192				
Surr: 1,2-Dichloroethane-d4	55.7	µg/L	SW8260C			50.00		111	72 - 151				
Surr: 4-Bromofluorobenzene	45.5	µg/L	SW8260C			50.00		91.0	80 - 128				
Surr: Dibromofluoromethane	53.1	µg/L	SW8260C			50.00		106	80 - 124				
Surr: Toluene-d8	46.4	µg/L	SW8260C			50.00		92.7	77 - 129				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309103
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1309103-007CMSD Date Analyzed: 09/09/2013 0929h													
Test Code: 8260-W													
Chloroform	11,600	µg/L	SW8260C	27.7	200	2,000	9640	98.2	50 - 146	12100	4.34	25	
Methylene chloride	2,240	µg/L	SW8260C	15.5	200	2,000	0	112	30 - 192	2320	3.60	25	
Surr: 1,2-Dichloroethane-d4	5,360	µg/L	SW8260C			5,000		107	72 - 151				
Surr: 4-Bromofluorobenzene	4,350	µg/L	SW8260C			5,000		87.0	80 - 128				
Surr: Dibromofluoromethane	5,220	µg/L	SW8260C			5,000		104	80 - 124				
Surr: Toluene-d8	4,670	µg/L	SW8260C			5,000		93.4	77 - 129				
Lab Sample ID: 1309103-014CMSD Date Analyzed: 09/10/2013 0034h													
Test Code: 8260-W													
Chloroform	22.1	µg/L	SW8260C	0.277	2.00	20.00	0	111	50 - 146	20.9	5.71	25	
Methylene chloride	24.6	µg/L	SW8260C	0.155	2.00	20.00	0	123	30 - 192	23.3	5.30	25	
Surr: 1,2-Dichloroethane-d4	56.0	µg/L	SW8260C			50.00		112	72 - 151				
Surr: 4-Bromofluorobenzene	45.5	µg/L	SW8260C			50.00		91.0	80 - 128				
Surr: Dibromofluoromethane	53.5	µg/L	SW8260C			50.00		107	80 - 124				
Surr: Toluene-d8	46.4	µg/L	SW8260C			50.00		92.8	77 - 129				

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1309103**

Client: Energy Fuels Resources, Inc. Due Date: 9/17/2013

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **3rd Quarter Chloroform 2013** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). RL of 1 ppm for Chloride and VOC and 0.1 ppm for NO2/NO3. Expected levels provided by client - see Jenn. J-flag what we can't meet. EIM Locus and EDD-Denison. Email Group.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1309103-001A	**TW4-25_09032013**	9/3/2013 1240h	9/6/2013 1145h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1309103-001B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1309103-001C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1309103-002A	**TW4-24_09032013**	9/3/2013 1255h	9/6/2013 1145h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1309103-002B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1309103-002C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1309103-003A	**TW4-04_09032013**	9/3/2013 1347h	9/6/2013 1145h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1309103-003B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1309103-003C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1309103-004A	**MW-04_09032013**	9/3/2013 1335h	9/6/2013 1145h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1309103-004B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1309103-004C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1309103-005A	**TW4-19_09032013**	9/3/2013 1030h	9/6/2013 1145h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1309103-005B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1309103-005C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1309103-006A	**MW-26_09032013**	9/3/2013 1325h	9/6/2013 1145h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				

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WORK ORDER Summary

Work Order: **1309103**

Client: Energy Fuels Resources, Inc. Due Date: 9/17/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1309103-006B	**MW-26_09032013**	9/3/2013 1325h	9/6/2013 1145h	**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*	Aqueous	☑	df - no2/no3	1
1309103-006C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309103-007A	**TW4-22_09032013**	9/3/2013 1305h	9/6/2013 1145h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309103-007B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309103-007C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309103-008A	**TW4-20_09032013**	9/3/2013 1315h	9/6/2013 1145h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309103-008B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309103-008C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309103-009A	**MW-32_09042013**	9/4/2013 1240h	9/6/2013 1145h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309103-009B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309103-009C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309103-010A	**TW4-05R_09042013**	9/4/2013 1407h	9/6/2013 1145h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309103-010B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309103-010C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309103-011A	**TW4-70_09052013**	9/5/2013 0710h	9/6/2013 1145h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309103-011B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309103-011C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309103-012A	**TW4-31_09052013**	9/5/2013 0655h	9/6/2013 1145h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309103-012B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309103-012C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3

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WORK ORDER Summary

Work Order: **1309103**

Client: Energy Fuels Resources, Inc. Due Date: 9/17/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1309103-013A	**TW4-23_09052013**	9/5/2013 0704h	9/6/2013 1145h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309103-013B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309103-013C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309103-014A	**TW4-08_09052013**	9/5/2013 0710h	9/6/2013 1145h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309103-014B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309103-014C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309103-015A	**TW4-09_09052013**	9/5/2013 0723h	9/6/2013 1145h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309103-015B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309103-015C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309103-016A	**TW4-16_09052013**	9/5/2013 0729h	9/6/2013 1145h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309103-016B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309103-016C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309103-017A	**TW4-26_09052013**	9/5/2013 0748h	9/6/2013 1145h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309103-017B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309103-017C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309103-018A	**TW4-06_09052013**	9/5/2013 0757h	9/6/2013 1145h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309103-018B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309103-018C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309103-019A	**TW4-05_09052013**	9/5/2013 0805h	9/6/2013 1145h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309103-019B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	

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WORK ORDER Summary

Work Order: **1309103**

Client: Energy Fuels Resources, Inc. Due Date: 9/17/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1309103-019C	**TW4-05_09052013**	9/5/2013 0805h	9/6/2013 1145h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1309103-020A	**TW4-18_09052013**	9/5/2013 0815h	9/6/2013 1145h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1309103-020B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1309103-020C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1309103-021A	**Trip Blank**	9/3/2013	9/6/2013 1145h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				

AMERICAN WEST ANALYTICAL LABORATORIES

463 W. 3600 S. SALT LAKE CITY, UT 84115
PHONE # (801) 263-8686 TOLL FREE # (888) 263-8686
FAX # (801) 263-8687 EMAIL AWAL@AWAL-LABS.COM
WWW.AWAL-LABS.COM

CHAIN OF CUSTODY

ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION.

1309103
AWAL LAB SAMPLE SET #
PAGE 1 OF 2

QC LEVEL:	TURN AROUND TIME:	UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE.	DUE DATE:
3	STANDARD		

CLIENT: Energy Fuels Resources, Inc.
ADDRESS: 6425 S. Hwy. 191
Blanding, UT 84511
CONTACT: Garrin Palmer
PHONE #: (435) 678-2221 CELL #:
EMAIL: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
PROJECT NAME: 3rd quarter Chloroform 2013
PROJECT #:
PO #:
SAMPLER NAME: Tanner Holliday, Garrin Palmer

X INCLUDE EDD:
LOCUS UPLOAD
EXCEL
FIELD FILTERED FOR:

FOR COMPLIANCE WITH:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ NON-COMPLIANCE
☐ OTHER:

	SAMPLE ID:	DATE SAMPLED	TIME SAMPLED	# OF CONTAINERS	SAMPLE MATRIX	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)	KNOWN HAZARDS & SAMPLE COMMENTS
1	TW4-25_09032013	9/3/2013	1240	5	W	X	X	X	
2	TW4-24_09032013	9/3/2013	1255	5	W	X	X	X	
3	TW4-04_09032013	9/3/2013	1347	5	W	X	X	X	
4	MW-04_09032013	9/3/2013	1335	5	W	X	X	X	
5	TW4-19_09032013	9/3/2013	1030	5	W	X	X	X	
6	MW-26_09032013	9/3/2013	1325	5	W	X	X	X	
7	TW4-22_09032013	9/3/2013	1305	5	W	X	X	X	*two vials Broke
8	TW4-20_09032013	9/3/2013	1315	5	W	X	X	X	*one vial Broken
9	MW-32_09042013	9/4/2013	1240	5	W	X	X	X	
10	TW4-05R_09042013	9/4/2013	1407	5	W	X	X	X	
	TW4-70_09052013	9/5/2013	710	5	W	X	X	X	
11	TW4-31_09052013	9/5/2013	655	5	W	X	X	X	
12	TW4-23_09052013	9/5/2013	704	5	W	X	X	X	

LABORATORY USE ONLY

SAMPLES WERE: Fed X
1 SHIPPED OR HAND DELIVERED
2 AMBIENT OR CHILLED
3 TEMPERATURE 3.9 °C
4 RECEIVED BROKEN/LEAKING (IMPROPERLY SEALED) Y * N see comments
5 PROPERLY PRESERVED Y N
CHECKED AT BENCH Y N
6 RECEIVED WITHIN HOLDING TIMES Y N

COC TAPE WAS:
1 PRESENT ON OUTER PACKAGE Y N NA
2 UNBROKEN ON OUTER PACKAGE Y N NA
3 PRESENT ON SAMPLE Y N NA
4 UNBROKEN ON SAMPLE Y N NA

DISCREPANCIES BETWEEN SAMPLE LABELS AND COC RECORD? Y N

RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE	DATE:
PRINT NAME: Tanner Holliday	TIME: 1100	PRINT NAME:	TIME:
RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE	DATE: 9-6-13
PRINT NAME:	TIME:	PRINT NAME: Elena Hayden	TIME: 1145
RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE	DATE:
PRINT NAME:	TIME:	PRINT NAME:	TIME:
RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE	DATE:
PRINT NAME:	TIME:	PRINT NAME:	TIME:

SPECIAL INSTRUCTIONS:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

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CHAIN OF CUSTODY

1307 13

AWAL LAB SAMPLE SET #

PAGE 2 OF 2

ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION.

QC LEVEL:	TURN AROUND TIME:	UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE.	DUE DATE:
3	STANDARD		

CLIENT: Energy Fuels Resources, Inc.
ADDRESS: 6425 S. Hwy. 191
Blanding, UT 84511
CONTACT: Garrin Palmer
PHONE #: (435) 678-2221 CELL #:
EMAIL: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
PROJECT NAME: 3rd quarter Chloroform 2013
PROJECT #:
PO #:
SAMPLER NAME: Tanner Holliday, Garrin Palmer

X INCLUDE EDD:
LOCUS UPLOAD
EXCEL
FIELD FILTERED FOR:

FOR COMPLIANCE WITH:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ NON-COMPLIANCE
☐ OTHER:

SAMPLE ID:	DATE SAMPLED	TIME SAMPLED	# OF CONTAINERS	SAMPLE MATRIX	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)	KNOWN HAZARDS & SAMPLE COMMENTS
TW4-08_09052013	9/5/2013	710	5	w	x	x	x	
TW4-09_09052013	9/5/2013	723	5	w	x	x	x	
TW4-16_09052013	9/5/2013	729	5	w	x	x	x	
TW4-26_09052013	9/5/2013	748	5	w	x	x	x	
TW4-06_09052013	9/5/2013	757	5	w	x	x	x	
TW4-05_09052013	9/5/2013	805	5	w	x	x	x	
TW4-18_09052013,	9/5/2013	815	5	w	x	x	x	
TRIP BLANK	9/3/2013		3	w			x	
TEMP BLANK	9/5/2013		1	w				

LABORATORY USE ONLY

SAMPLES WERE: Fed X
1 SHIPPED OR HAND DELIVERED
2 AMBIENT OR CHILLED
3 TEMPERATURE 3.9 °C
4 RECEIVED BROKEN/LEAKING (IMPROPERLY SEALED) Y N
5 PROPERLY PRESERVED Y N
CHECKED AT BENCH Y N
6 RECEIVED WITHIN HOLDING TIMES Y N

COC TAPE WAS:
1 PRESENT ON OUTER PACKAGE Y N NA
2 UNBROKEN ON OUTER PACKAGE Y N NA
3 PRESENT ON SAMPLE Y N NA
4 UNBROKEN ON SAMPLE Y N NA

DISCREPANCIES BETWEEN SAMPLE LABELS AND COC RECORD? Y N

RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE	DATE:
PRINT NAME: Tanner Holliday	TIME: 1100	PRINT NAME:	TIME:
RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE Elma Hyde	DATE: 9-6-13
PRINT NAME:	TIME:	PRINT NAME: Elma Hyde	TIME: 1145
RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE	DATE:
PRINT NAME:	TIME:	PRINT NAME:	TIME:
RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE	DATE:
PRINT NAME:	TIME:	PRINT NAME:	TIME:

SPECIAL INSTRUCTIONS:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
General Inorganics					
Chloride	A4500-Cl B or A4500-Cl E or E300.0	1 mg/L	28 days	None	≤ 6°C
Sulfate	A4500-SO4 E or E300.0	1 mg/L	28 days	None	≤ 6°C
Carbonate as CO3	A2320 B	1 mg/L	14 days	None	≤ 6°C
Bicarbonate as HCO3	A2320 B	1 mg/L	14 days	None	
Volatile Organic Compounds –Chloroform Program					
Carbon Tetrachloride	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloroform	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Dichloromethane (Methylene Chloride)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloromethane	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
SVOCs – Tailings Impoundment Samples Only					
1,2,4-Trichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,2-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,3-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,4-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,5-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,6-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dimethylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrophenol	SW8270D	<20 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,6-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chloronaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Nitrophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3&4-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3,3´-Dichlorobenzidine	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
4,6-Dinitro-2-methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C

Lab Set ID: 1309103

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	2
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	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	~~yes~~	~~y~~
O & G	pH <2 HCL																				
Phenols	pH <2 H_2SO_4																				
Sulfide	pH > 9NaOH, Zn Acetate																				
TKN	pH <2 H_2SO_4																				
T PO_4	pH <2 H_2SO_4																				

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved

▲ The Sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference

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Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 3rd Quarter Chloroform 2013

Dear Garrin Palmer: Lab Set ID: 1309255

American West Analytical Laboratories received 9 sample(s) on 9/13/2013 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Kyle F. Gross
Digitally signed by Kyle F. Gross
DN: cn=Kyle F. Gross, o=AWAL, ou=AWAL-Laboratory Director, email=kyle@awal-labs.com, c=US
Date: 2013.09.24 14:41:07 -06'00'

Laboratory Director or designee

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Set ID: 1309255
Date Received: 9/13/2013 1015h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1309255-001A	TW4-29_09122013	9/12/2013 0657h	Aqueous	Anions, E300.0
1309255-001B	TW4-29_09122013	9/12/2013 0657h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309255-001C	TW4-29_09122013	9/12/2013 0657h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309255-002A	TW4-21_09122013	9/12/2013 0711h	Aqueous	Anions, E300.0
1309255-002B	TW4-21_09122013	9/12/2013 0711h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309255-002C	TW4-21_09122013	9/12/2013 0711h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309255-003A	TW4-10_09122013	9/12/2013 0723h	Aqueous	Anions, E300.0
1309255-003B	TW4-10_09122013	9/12/2013 0723h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309255-003C	TW4-10_09122013	9/12/2013 0723h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309255-004A	TW4-11_09122013	9/12/2013 0747h	Aqueous	Anions, E300.0
1309255-004B	TW4-11_09122013	9/12/2013 0747h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309255-004C	TW4-11_09122013	9/12/2013 0747h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309255-005A	TW4-07_09122013	9/12/2013 0753h	Aqueous	Anions, E300.0
1309255-005B	TW4-07_09122013	9/12/2013 0753h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309255-005C	TW4-07_09122013	9/12/2013 0753h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309255-006B	TW4-01_09122013	9/12/2013 0800h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309255-006C	TW4-01_09122013	9/12/2013 0800h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309255-007A	TW4-02_09122013	9/12/2013 0807h	Aqueous	Anions, E300.0
1309255-007B	TW4-02_09122013	9/12/2013 0807h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309255-007C	TW4-02_09122013	9/12/2013 0807h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309255-008A	TW4-60_09122013	9/12/2013 0845h	Aqueous	Anions, E300.0
1309255-008B	TW4-60_09122013	9/12/2013 0845h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309255-008C	TW4-60_09122013	9/12/2013 0845h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309255-009A	Trip Blank	9/12/2013	Aqueous	VOA by GC/MS Method 8260C/5030C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Chloroform 2013
Lab Set ID:	1309255

Sample Receipt Information:

Date of Receipt:	9/13/2013
Date of Collection:	9/12/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions: The MS and MSD percent recoveries for nitrate/nitrite were outside of control limits on sample 1309255-005B due to sample matrix interference.

Corrective Action: None required.

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Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Chloroform 2013
Lab Set ID:	1309255

Sample Receipt Information:

Date of Receipt:	9/13/2013
Date of Collection:	9/12/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309255
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R59272 Date Analyzed: 09/18/2013 1211h Test Code: 300.0-W													
Chloride	4.50	mg/L	E300.0	0.0114	0.100	5.000	0	90.1	90 - 110				
Lab Sample ID: LCS-R59208 Date Analyzed: 09/17/2013 2038h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.02	mg/L	E353.2	0.00252	0.100	1.000	0	102	90 - 110				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309255
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R59272 Date Analyzed: 09/18/2013 1148h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								
Lab Sample ID: MB-R59208 Date Analyzed: 09/17/2013 2037h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.100	mg/L	E353.2	0.00252	0.100								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309255
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1309253-001AMS Date Analyzed: 09/18/2013 1802h Test Code: 300.0-W													
Chloride	467	mg/L	E300.0	1.14	10.0	500.0	7.94	91.8	90 - 110				
Lab Sample ID: 1309255-008AMS Date Analyzed: 09/18/2013 2241h Test Code: 300.0-W													
Chloride	4.83	mg/L	E300.0	0.0114	0.100	5.000	0.029	96.0	90 - 110				
Lab Sample ID: 1309253-001BMS Date Analyzed: 09/17/2013 2045h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.36	mg/L	E353.2	0.00252	0.100	1.000	0.413	94.8	90 - 110				
Lab Sample ID: 1309255-005BMS Date Analyzed: 09/17/2013 2117h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	16.2	mg/L	E353.2	0.0252	1.00	10.00	4.17	120	90 - 110				J

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

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309255
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1309253-001AMSD Date Analyzed: 09/18/2013 1825h Test Code: 300.0-W													
Chloride	459	mg/L	E300.0	1.14	10.0	500.0	7.94	90.2	90 - 110	467	1.73	20	
Lab Sample ID: 1309255-008AMSD Date Analyzed: 09/18/2013 2304h Test Code: 300.0-W													
Chloride	4.86	mg/L	E300.0	0.0114	0.100	5.000	0.029	96.6	90 - 110	4.83	0.660	20	
Lab Sample ID: 1309253-001BMSD Date Analyzed: 09/17/2013 2047h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.31	mg/L	E353.2	0.00252	0.100	1.000	0.413	89.7	90 - 110	1.36	3.77	10	§
Lab Sample ID: 1309255-005BMSD Date Analyzed: 09/17/2013 2118h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	15.6	mg/L	E353.2	0.0252	1.00	10.00	4.17	115	90 - 110	16.2	3.32	10	'

§ - QC limits are set with an accuracy of two significant figures, therefore the recovery rounds to an acceptable value within the control limits.
' - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309255
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOA 091613B Date Analyzed: 09/16/2013 1904h													
Test Code: 8260-W													
Chloroform	20.2	µg/L	SW8260C	0.277	2.00	20.00	0	101	67 - 132				
Methylene chloride	17.9	µg/L	SW8260C	0.155	2.00	20.00	0	89.3	32 - 185				
Surr: 1,2-Dichloroethane-d4	53.5	µg/L	SW8260C			50.00		107	76 - 138				
Surr: 4-Bromofluorobenzene	47.8	µg/L	SW8260C			50.00		95.5	77 - 121				
Surr: Dibromofluoromethane	51.9	µg/L	SW8260C			50.00		104	67 - 128				
Surr: Toluene-d8	48.6	µg/L	SW8260C			50.00		97.3	81 - 135				
Lab Sample ID: LCS VOA 091713A Date Analyzed: 09/17/2013 1057h													
Test Code: 8260-W													
Chloroform	21.1	µg/L	SW8260C	0.277	2.00	20.00	0	106	67 - 132				
Methylene chloride	18.4	µg/L	SW8260C	0.155	2.00	20.00	0	91.9	32 - 185				
Surr: 1,2-Dichloroethane-d4	53.6	µg/L	SW8260C			50.00		107	76 - 138				
Surr: 4-Bromofluorobenzene	48.2	µg/L	SW8260C			50.00		96.5	77 - 121				
Surr: Dibromofluoromethane	51.8	µg/L	SW8260C			50.00		104	67 - 128				
Surr: Toluene-d8	48.6	µg/L	SW8260C			50.00		97.1	81 - 135				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309255
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB VOA 091613B Date Analyzed: 09/16/2013 1941h													
Test Code: 8260-W													
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.137	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.277	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.127	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.155	1.00								
Surr: 1,2-Dichloroethane-d4	55.5	µg/L	SW8260C			50.00		111	76 - 138				
Surr: 4-Bromofluorobenzene	52.5	µg/L	SW8260C			50.00		105	77 - 121				
Surr: Dibromofluoromethane	51.5	µg/L	SW8260C			50.00		103	67 - 128				
Surr: Toluene-d8	50.3	µg/L	SW8260C			50.00		101	81 - 135				
Lab Sample ID: MB VOA 091713A Date Analyzed: 09/17/2013 1134h													
Test Code: 8260-W													
Carbon tetrachloride	< 2.00	µg/L	SW8260C	0.137	2.00								
Chloroform	< 2.00	µg/L	SW8260C	0.277	2.00								
Chloromethane	< 3.00	µg/L	SW8260C	0.127	3.00								
Methylene chloride	< 2.00	µg/L	SW8260C	0.155	2.00								
Surr: 1,2-Dichloroethane-d4	56.2	µg/L	SW8260C			50.00		112	76 - 138				
Surr: 4-Bromofluorobenzene	52.6	µg/L	SW8260C			50.00		105	77 - 121				
Surr: Dibromofluoromethane	52.7	µg/L	SW8260C			50.00		105	67 - 128				
Surr: Toluene-d8	51.6	µg/L	SW8260C			50.00		103	81 - 135				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309255
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1309253-001CMS Date Analyzed: 09/17/2013 0017h													
Test Code: 8260-W													
Chloroform	18.4	µg/L	SW8260C	0.277	2.00	20.00	0	92.2	50 - 146				
Methylene chloride	16.0	µg/L	SW8260C	0.155	2.00	20.00	0	80.2	30 - 192				
Surr: 1,2-Dichloroethane-d4	56.3	µg/L	SW8260C			50.00		113	72 - 151				
Surr: 4-Bromofluorobenzene	47.6	µg/L	SW8260C			50.00		95.3	80 - 128				
Surr: Dibromofluoromethane	52.8	µg/L	SW8260C			50.00		106	80 - 124				
Surr: Toluene-d8	48.8	µg/L	SW8260C			50.00		97.7	77 - 129				
Lab Sample ID: 1309255-001CMS Date Analyzed: 09/17/2013 0054h													
Test Code: 8260-W													
Chloroform	19.7	µg/L	SW8260C	0.277	2.00	20.00	0	98.4	50 - 146				
Methylene chloride	17.1	µg/L	SW8260C	0.155	2.00	20.00	0	85.6	30 - 192				
Surr: 1,2-Dichloroethane-d4	55.7	µg/L	SW8260C			50.00		111	72 - 151				
Surr: 4-Bromofluorobenzene	49.7	µg/L	SW8260C			50.00		99.4	80 - 128				
Surr: Dibromofluoromethane	53.3	µg/L	SW8260C			50.00		107	80 - 124				
Surr: Toluene-d8	49.4	µg/L	SW8260C			50.00		98.8	77 - 129				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309255
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1309253-001CMSD Date Analyzed: 09/17/2013 0036h													
Test Code: 8260-W													
Chloroform	17.1	µg/L	SW8260C	0.277	2.00	20.00	0	85.7	50 - 146	18.4	7.37	25	
Methylene chloride	15.2	µg/L	SW8260C	0.155	2.00	20.00	0	75.8	30 - 192	16	5.58	25	
Surr: 1,2-Dichloroethane-d4	55.8	µg/L	SW8260C			50.00		112	72 - 151				
Surr: 4-Bromofluorobenzene	47.8	µg/L	SW8260C			50.00		95.7	80 - 128				
Surr: Dibromofluoromethane	52.7	µg/L	SW8260C			50.00		105	80 - 124				
Surr: Toluene-d8	48.7	µg/L	SW8260C			50.00		97.3	77 - 129				
Lab Sample ID: 1309255-001CMSD Date Analyzed: 09/17/2013 0113h													
Test Code: 8260-W													
Chloroform	21.0	µg/L	SW8260C	0.277	2.00	20.00	0	105	50 - 146	19.7	6.44	25	
Methylene chloride	18.2	µg/L	SW8260C	0.155	2.00	20.00	0	90.9	30 - 192	17.1	6.06	25	
Surr: 1,2-Dichloroethane-d4	56.3	µg/L	SW8260C			50.00		113	72 - 151				
Surr: 4-Bromofluorobenzene	49.2	µg/L	SW8260C			50.00		98.3	80 - 128				
Surr: Dibromofluoromethane	52.6	µg/L	SW8260C			50.00		105	80 - 124				
Surr: Toluene-d8	48.6	µg/L	SW8260C			50.00		97.1	77 - 129				

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1309255**

Client: Energy Fuels Resources, Inc. Due Date: 9/24/2013

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **3rd Quarter Chloroform 2013** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). RL of 1 ppm for Chloride and VOC and 0.1 ppm for NO2/NO3. Expected levels provided by client - see Jenn. J-flag what we can't meet. EIM Locus and EDD-Denison. Email Group.;

DB

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1309255-001A	**TW4-29_09122013**	9/12/2013 0657h	9/13/2013 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309255-001B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309255-001C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309255-002A	**TW4-21_09122013**	9/12/2013 0711h	9/13/2013 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309255-002B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309255-002C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309255-003A	**TW4-10_09122013**	9/12/2013 0723h	9/13/2013 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309255-003B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309255-003C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309255-004A	**TW4-11_09122013**	9/12/2013 0747h	9/13/2013 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309255-004B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309255-004C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309255-005A	**TW4-07_09122013**	9/12/2013 0753h	9/13/2013 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1309255-005B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1309255-005C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1309255-006A	**TW4-01_09122013**	9/12/2013 0800h	9/13/2013 1015h		Aqueous	☐	Cl not received	1
1309255-006B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	

Printed: 9/13/2013 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☑ RT ☑ CN ☑ TAT ☑ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed DB 9/13/13

WORK ORDER Summary

Work Order: **1309255**

Client: Energy Fuels Resources, Inc. Due Date: 9/24/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1309255-006C	**TW4-01_09122013**	9/12/2013 0800h	9/13/2013 1015h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1309255-007A	**TW4-02_09122013**	9/12/2013 0807h	9/13/2013 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1309255-007B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1309255-007C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1309255-008A	**TW4-60_ 09122013**	9/12/2013 0845h	9/13/2013 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1309255-008B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1309255-008C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1309255-009A	**Trip Blank**	9/12/2013	9/13/2013 1015h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				

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WWW.AWAL-LABS.COM

CHAIN OF CUSTODY

ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION.

1309255
AWAL LAB SAMPLE SET #
PAGE 1 OF 1

QC LEVEL:	TURN AROUND TIME:	UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE.	DUE DATE:
3	STANDARD		

CLIENT: Energy Fuels Resources, Inc.
ADDRESS: 6425 S. Hwy. 191
Blanding, UT 84511
CONTACT: Garrin Palmer
PHONE #: (435) 678-2221 CELL #:
EMAIL: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
PROJECT NAME: 3rd Quarter Chloroform 2013
PROJECT #:
PO #:
SAMPLER NAME: Tanner Holliday, Garrin Palmer

X INCLUDE EDD:
LOCUS UPLOAD
EXCEL
FIELD FILTERED FOR:

FOR COMPLIANCE WITH:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ NON-COMPLIANCE
☐ OTHER:

	SAMPLE ID:	DATE SAMPLED	TIME SAMPLED	# OF CONTAINERS	SAMPLE MATRIX	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)	KNOWN HAZARDS & SAMPLE COMMENTS
1	TW4-29_09122013	9/12/2013	657	5	W	X	X	X	
2	TW4-21_09122013	9/12/2013	711	5	W	X	X	X	
3	TW4-10_09122013	9/12/2013	723	5	W	X	X	X	
4	TW4-11_09122013	9/12/2013	747	5	W	X	X	X	
5	TW4-07_09122013	9/12/2013	753	5	W	X	X	X	
6	TW4-01_09122013	9/12/2013	800	5	W	X	~~X~~	X	*. Bottle for Cl not received-DB 9/13/13
7	TW4-02_09122013	9/12/2013	807	5	W	X	X	X	
8	TW4-60_09122013	9/12/2013	845	5	W	X	X	X	
9	TRIP BLANK	9/12/2013		3	W			X	
#	TEMP BLANK	9/12/2013							
11									
12									
13									

LABORATORY USE ONLY

SAMPLES WERE: Fed Ex
1 (SHIPPED) OR HAND DELIVERED
2 AMBIENT OR (CHILLED)
3 TEMPERATURE 2.6 °C
4 RECEIVED BROKEN/LEAKING (IMPROPERLY SEALED) Y (N)
5 (PROPERLY) PRESERVED Y N
CHECKED AT BENCH Y N
6 RECEIVED WITHIN HOLDING TIMES (Y) N

COC TAPE WAS:
1 (PRESENT) ON OUTER PACKAGE (Y) N NA
2 (UNBROKEN) ON OUTER PACKAGE (Y) N NA
3 PRESENT ON SAMPLE Y N (NA)
4 UNBROKEN ON SAMPLE Y N (NA)

DISCREPANCIES BETWEEN SAMPLE LABELS AND COC RECORD? Y (N)

RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE	DATE:
PRINT NAME: Tanner Holliday	TIME: 1100	PRINT NAME:	TIME:
RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE	DATE:
PRINT NAME:	TIME:	PRINT NAME:	TIME:
RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE	DATE:
PRINT NAME:	TIME:	PRINT NAME:	TIME:
RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE Denise Bruun	DATE: 9/13/13
PRINT NAME:	TIME:	PRINT NAME: Denise Bruun	TIME: 10:15

SPECIAL INSTRUCTIONS:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
General Inorganics					
Chloride	A4500-Cl B or A4500-Cl E or E300.0	1 mg/L	28 days	None	≤ 6°C
Sulfate	A4500-SO4 E or E300.0	1 mg/L	28 days	None	≤ 6°C
Carbonate as CO3	A2320 B	1 mg/L	14 days	None	≤ 6°C
Bicarbonate as HCO3	A2320 B	1 mg/L	14 days	None	
Volatile Organic Compounds – Chloroform Program					
Carbon Tetrachloride	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloroform	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Dichloromethane (Methylene Chloride)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloromethane	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
SVOCs – Tailings Impoundment Samples Only					
1,2,4-Trichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,2-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,3-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,4-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,5-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,6-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dimethylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrophenol	SW8270D	<20 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,6-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chloronaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Nitrophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3&4-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3,3'-Dichlorobenzidine	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
4,6-Dinitro-2-methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C

Lab Set ID: 1309255

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	-001	-002	-003	-004	-005	-006	-007	-008										
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	yes	yes	yes	yes	yes	yes	yes	yes										
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved

▲ The Sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 3rd Quarter Chloroform 2013

Dear Garrin Palmer: Lab Set ID: 1309328

American West Analytical Laboratories received 1 sample(s) on 9/18/2013 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Kyle F. Gross
Digitally signed by Kyle F. Gross
DN: cn=Kyle F. Gross, o=AWAL, ou=AWAL-Laboratory Director, email=kyle@awal-labs.com, c=US
Date: 2013.09.24 15:07:31 -06'00'

Laboratory Director or designee

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Set ID: 1309328
Date Received: 9/18/2013 0930h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1309328-001A	TW4-01_09122013	9/12/2013 0800h	Aqueous	Anions, E300.0

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Chloroform 2013
Lab Set ID:	1309328

Sample Receipt Information:

Date of Receipt:	9/18/2013
Date of Collection:	9/12/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309328
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R59331 Date Analyzed: 09/19/2013 0454h													
Test Code: 300.0-W													
Chloride	4.57	mg/L	E300.0	0.0114	0.100	5.000	0	91.5	90 - 110				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309328
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R59331 Date Analyzed: 09/19/2013 0431h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309328
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1309328-001AMS**	Date Analyzed:	09/19/2013 1853h											
Test Code:	300.0-W													
Chloride		502	mg/L	E300.0	1.14	10.0	500.0	37.6	92.8	90 - 110				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309328
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1309328-001AMSD Date Analyzed: 09/19/2013 1916h													
Test Code: 300.0-W													
Chloride	493	mg/L	E300.0	1.14	10.0	500.0	37.6	91.1	90 - 110	502	1.78	20	

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1309328**

Client: Energy Fuels Resources, Inc.

Due Date: 9/27/2013

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **3rd Quarter Chloroform 2013** **QC Level:** III

WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). RL of 1 ppm for Chloride . EIM Locus and EDD-Denison. Email Group.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1309328-001A	**TW4-01_09122013**	9/12/2013 0800h	9/18/2013 0930h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				

Printed: 9/18/2013 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed 9/18/13

American West Analytical Laboratories

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CHAIN OF CUSTODY

1309328
AWAL Lab Sample Set #
Page 1 of 1

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **3rd quarter chloroform 2013**
Project #:
PO #:
Sampler Name: **Tanner Holliday, Garrin Palmer**

X Include EDD:
LOCUS UPLOAD
EXCEL
Field Filtered For:

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 4.5 °C
4 Received Broken/Leaking (Improperly Sealed) Y (N)
5 Properly Preserved (Y) N
Checked at bench Y N
6 Received Within Holding Times (Y) N

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)	Known Hazards & Sample Comments
1	TW4-01_09122013	9/12/2013	800	1	w		x		
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

COC Tape Was:
1 Present on Outer Package Y N (NA)
2 Unbroken on Outer Package Y N (NA)
3 Present on Sample Y N (NA)
4 Unbroken on Sample Y N (NA)

Discrepancies Between Sample Labels and COC Record? Y (N)

Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name: Garrin Palmer	Time: 1200	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date: 9/18/13
Print Name:	Time:	Print Name: Emma Hayes	Time: 930
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

American West
ANALYTICAL LABORATORIES

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 3rd Quarter Chloroform Re-Sample

Dear Garrin Palmer: Lab Set ID: 1309526

American West Analytical Laboratories received 2 sample(s) on 9/27/2013 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou=Quality Assurance Officer, email=jose@awal-labs.com, c=US
Date: 2013.09.30 12:59:09 -06'00'

Laboratory Director or designee

American West
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform Re-Sample
Lab Set ID: 1309526
Date Received: 9/27/2013 1010h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1309526-001A	TW4-29_09262013	9/26/2013 713h	Aqueous	Anions, E300.0
1309526-001B	TW4-29_09262013	9/26/2013 713h	Aqueous	Nitrite/Nitrate (as N), E353.2
1309526-001C	TW4-29_09262013	9/26/2013 713h	Aqueous	VOA by GC/MS Method 8260C/5030C
1309526-002A	Trip Blank	9/26/2013	Aqueous	VOA by GC/MS Method 8260C/5030C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Chloroform Re-Sample
Lab Set ID:	1309526

Sample Receipt Information:

Date of Receipt:	9/27/2013
Date of Collection:	9/26/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exception: On sample 1309526-001B, the MS/MSD percent recoveries for Nitrate/Nitrite (as N) were outside of their control limits due to sample matrix interference.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Chloroform Re-Sample
Lab Set ID:	1309526

Sample Receipt Information:

Date of Receipt:	9/27/2013
Date(s) of Collection:	9/26/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Chloroform was detected above reporting limits on sample 1309526-001C.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309526
Project: 3rd Quarter Chloroform Re-Sample

Contact: Garrin Palmer
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R59595 Date Analyzed: 09/27/2013 1520h													
Test Code: 300.0-W													
Chloride	4.62	mg/L	E300.0	0.0114	0.100	5.000	0	92.4	90 - 110				
Lab Sample ID: LCS-R59593 Date Analyzed: 09/27/2013 1856h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.01	mg/L	E353.2	0.00252	0.100	1.000	0	101	90 - 110				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309526
Project: 3rd Quarter Chloroform Re-Sample

Contact: Garrin Palmer
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R59595 Date Analyzed: 09/27/2013 1457h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								
Lab Sample ID: MB-R59593 Date Analyzed: 09/27/2013 1853h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.100	mg/L	E353.2	0.00252	0.100								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309526
Project: 3rd Quarter Chloroform Re-Sample

Contact: Garrin Palmer
Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1309526-001AMS Date Analyzed: 09/27/2013 1607h													
Test Code: 300.0-W													
Chloride	89.5	mg/L	E300.0	0.114	1.00	50.00	41.4	96.3	90 - 110				
Lab Sample ID: 1309526-001BMS NO3 Date Analyzed: 09/27/2013 1917h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	16.7	mg/L	E353.2	0.0252	1.00	10.00	4.18	125	90 - 110				'

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309526
Project: 3rd Quarter Chloroform Re-Sample

Contact: Garrin Palmer
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1309526-001AMSD Date Analyzed: 09/27/2013 1630h													
Test Code: 300.0-W													
Chloride	87.0	mg/L	E300.0	0.114	1.00	50.00	41.4	91.3	90 - 110	89.5	2.83	20	
Lab Sample ID: 1309526-001BMSD NO3 Date Analyzed: 09/27/2013 1919h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	18.1	mg/L	E353.2	0.0252	1.00	10.00	4.18	139	90 - 110	16.7	7.80	10	'

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

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309526
Project: 3rd Quarter Chloroform Re-Sample

Contact: Garrin Palmer
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOC 092713A Date Analyzed: 09/27/2013 659h													
Test Code: 8260-W													
Chloroform	21.9	µg/L	SW8260C	0.277	2.00	20.00	0	109	67 - 132				
Methylene chloride	19.8	µg/L	SW8260C	0.155	2.00	20.00	0	98.8	32 - 185				
Surr: 1,2-Dichloroethane-d4	49.1	µg/L	SW8260C			50.00		98.1	76 - 138				
Surr: 4-Bromofluorobenzene	54.2	µg/L	SW8260C			50.00		108	77 - 121				
Surr: Dibromofluoromethane	53.4	µg/L	SW8260C			50.00		107	67 - 128				
Surr: Toluene-d8	54.3	µg/L	SW8260C			50.00		109	81 - 135				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309526
Project: 3rd Quarter Chloroform Re-Sample

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB VOC 092713A Date Analyzed: 09/27/2013 735h													
Test Code: 8260-W													
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.137	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.277	1.00								
Chloromethane	< 3.00	µg/L	SW8260C	0.127	3.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.155	1.00								
Surr: 1,2-Dichloroethane-d4	50.5	µg/L	SW8260C			50.00		101	76 - 138				
Surr: 4-Bromofluorobenzene	57.2	µg/L	SW8260C			50.00		114	77 - 121				
Surr: Dibromofluoromethane	52.8	µg/L	SW8260C			50.00		106	67 - 128				
Surr: Toluene-d8	56.5	µg/L	SW8260C			50.00		113	81 - 135				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309526
Project: 3rd Quarter Chloroform Re-Sample

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1309526-001CMS Date Analyzed: 09/27/2013 1348h													
Test Code: 8260-W													
Chloroform	453	µg/L	SW8260C	2.77	20.0	200.0	246	104	50 - 146				
Methylene chloride	199	µg/L	SW8260C	1.55	20.0	200.0	0	99.4	30 - 192				
Surr: 1,2-Dichloroethane-d4	521	µg/L	SW8260C			500.0		104	72 - 151				
Surr: 4-Bromofluorobenzene	532	µg/L	SW8260C			500.0		106	80 - 128				
Surr: Dibromofluoromethane	548	µg/L	SW8260C			500.0		110	80 - 124				
Surr: Toluene-d8	526	µg/L	SW8260C			500.0		105	77 - 129				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1309526
Project: 3rd Quarter Chloroform Re-Sample

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1309526-001CMSD Date Analyzed: 09/27/2013 1406h													
Test Code: 8260-W													
Chloroform	472	µg/L	SW8260C	2.77	20.0	200.0	246	113	50 - 146	453	4.02	25	
Methylene chloride	208	µg/L	SW8260C	1.55	20.0	200.0	0	104	30 - 192	199	4.77	25	
Surr: 1,2-Dichloroethane-d4	529	µg/L	SW8260C			500.0		106	72 - 151				
Surr: 4-Bromofluorobenzene	545	µg/L	SW8260C			500.0		109	80 - 128				
Surr: Dibromofluoromethane	545	µg/L	SW8260C			500.0		109	80 - 124				
Surr: Toluene-d8	527	µg/L	SW8260C			500.0		105	77 - 129				

American West Analytical Laboratories

RUSH

UL
Denison

WORK ORDER Summary

Work Order: **1309526**

Client: Energy Fuels Resources, Inc. Due Date: 9/30/2013

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **3rd Quarter Chloroform Re-Sample** **QC Level:** III WO Type: Project

Comments: Next Day Rush. QC 3 (Summary/No chromatograms). RL of 1 ppm for Chloride and VOC and 0.1 ppm for NO2/NO3. Expected levels provided by client - see Jenn. J-flag what we can't meet. EIM Locus and EDD-Denison. Email Group.;

DB

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1309526-001A	**TW4-29_09262013**	9/26/2013 0713h	9/27/2013 1010h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1309526-001B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1309526-001C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1309526-002A	**Trip Blank**	9/26/2013	9/27/2013 1010h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				

Printed: 9/27/2013 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☑ RT ☑ CN ☐ TAT ☑ QC ☑ HOK_____ HOK_____ HOK_____ COC Emailed_____

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CHAIN OF CUSTODY

1309526
AWAL Lab Sample Set #
Page 1 of 1

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level: 3

Turn Around Time: Next Day Rush per Kathy Weinel ~~Standard~~ - DB 9/27/13

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Due Date:

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **3rd Quarter Chloroform Re-Sample**
Project #:
PO #:
Sampler Name: **Garrin Palmer, Tanner Holliday**

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)	Known Hazards & Sample Comments
1	**TW4-29_09262013**	**9/26/2013**	**713**	5	w	x	x	x	
2	**Trip Blank**	**9/26/2013**		3	w			x	
3	**Temp Blank**			1	w				
4									
5									
6									
7									
8									
9									
10									
11									
12									DB 9/27/13

X Include EDD:
LOCUS UPLOAD
EXCEL
Field Filtered For:

For Compliance With:
- ☐ NELAP
- ☐ RCRA
- ☐ CWA
- ☐ SDWA
- ☐ ELAP / A2LA
- ☐ NLLAP
- ☐ Non-Compliance
- ☐ Other:

Laboratory Use Only

Samples Were:
1. Shipped or hand delivered
2. Ambient or Chilled
3. Temperature 0.9° °C
4. Received Broken/Leaking (Improperly Sealed) Y (N)
5. Properly Preserved (Y) N; Checked at bench Y N
6. Received Within Holding Times (Y) N

COC Tape Was:
1. Present on Outer Package (Y) N NA
2. Unbroken on Outer Package (Y) N NA
3. Present on Sample Y N (NA)
4. Unbroken on Sample Y N (NA)

Discrepancies Between Sample Labels and COC Record? Y (N)

Relinquished by: Signature	Garrin Palmer	Date: 9/26/13	Received by: Signature		Date:
Print Name:	Garrin Palmer	Time: 1300	Print Name:		Time:
Relinquished by: Signature		Date:	Received by: Signature		Date:
Print Name:		Time:	Print Name:		Time:
Relinquished by: Signature		Date:	Received by: Signature		Date:
Print Name:		Time:	Print Name:		Time:
Relinquished by: Signature		Date:	Received by: Signature	Denise Brown	Date: 9/27/13
Print Name:		Time:	Print Name:	Denise Brown	Time: 10:10

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
General Inorganics					
Chloride	A4500-Cl B or A4500-Cl E or E300.0	1 mg/L	28 days	None	≤ 6°C
Sulfate	A4500-SO4 E or E300.0	1 mg/L	28 days	None	≤ 6°C
Carbonate as CO3	A2320 B	1 mg/L	14 days	None	≤ 6°C
Bicarbonate as HCO3	A2320 B	1 mg/L	14 days	None	
Volatile Organic Compounds –Chloroform Program					
Carbon Tetrachloride	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloroform	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Dichloromethane (Methylene Chloride)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloromethane	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
SVOCs – Tailings Impoundment Samples Only					
1,2,4-Trichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,2-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,3-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,4-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,5-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,6-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dimethylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrophenol	SW8270D	<20 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,6-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chloronaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Nitrophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3&4-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3,3'-Dichlorobenzidine	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
4,6-Dinitro-2-methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C

Lab Set ID: 1309526

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	001																	
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	YES																	
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved

▲ The Sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference

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Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 3rd Quarter Chloroform 2013

Dear Garrin Palmer: Lab Set ID: 1308555

American West Analytical Laboratories received 10 sample(s) on 8/30/2013 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou=Quality Assurance Officer, email=jose@awal-labs.com, c=US
Date: 2013.09.11 14:32:02 -06'00'

Laboratory Director or designee

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Chloroform 2013
Lab Set ID: 1308555
Date Received: 8/30/2013 0945h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1308555-001A	TW4-03R_08282013	8/28/2013 0933h	Aqueous	Anions, E300.0
1308555-001B	TW4-03R_08282013	8/28/2013 0933h	Aqueous	Nitrite/Nitrate (as N), E353.2
1308555-001C	TW4-03R_08282013	8/28/2013 0933h	Aqueous	VOA by GC/MS Method 8260C/5030C
1308555-002A	TW4-12_08292013	8/29/2013 0715h	Aqueous	Anions, E300.0
1308555-002B	TW4-12_08292013	8/29/2013 0715h	Aqueous	Nitrite/Nitrate (as N), E353.2
1308555-002C	TW4-12_08292013	8/29/2013 0715h	Aqueous	VOA by GC/MS Method 8260C/5030C
1308555-003A	TW4-13_08292013	8/29/2013 0721h	Aqueous	Anions, E300.0
1308555-003B	TW4-13_08292013	8/29/2013 0721h	Aqueous	Nitrite/Nitrate (as N), E353.2
1308555-003C	TW4-13_08292013	8/29/2013 0721h	Aqueous	VOA by GC/MS Method 8260C/5030C
1308555-004A	TW4-14_08292013	8/29/2013 0729h	Aqueous	Anions, E300.0
1308555-004B	TW4-14_08292013	8/29/2013 0729h	Aqueous	Nitrite/Nitrate (as N), E353.2
1308555-004C	TW4-14_08292013	8/29/2013 0729h	Aqueous	VOA by GC/MS Method 8260C/5030C
1308555-005A	TW4-27_08292013	8/29/2013 0735h	Aqueous	Anions, E300.0
1308555-005B	TW4-27_08292013	8/29/2013 0735h	Aqueous	Nitrite/Nitrate (as N), E353.2
1308555-005C	TW4-27_08292013	8/29/2013 0735h	Aqueous	VOA by GC/MS Method 8260C/5030C
1308555-006A	TW4-28_08292013	8/29/2013 0743h	Aqueous	Anions, E300.0
1308555-006B	TW4-28_08292013	8/29/2013 0743h	Aqueous	Nitrite/Nitrate (as N), E353.2
1308555-006C	TW4-28_08292013	8/29/2013 0743h	Aqueous	VOA by GC/MS Method 8260C/5030C
1308555-007A	TW4-30_08292013	8/29/2013 0751h	Aqueous	Anions, E300.0
1308555-007B	TW4-30_08292013	8/29/2013 0751h	Aqueous	Nitrite/Nitrate (as N), E353.2
1308555-007C	TW4-30_08292013	8/29/2013 0751h	Aqueous	VOA by GC/MS Method 8260C/5030C
1308555-008A	TW4-65_08292013	8/29/2013 0700h	Aqueous	Anions, E300.0
1308555-008B	TW4-65_08292013	8/29/2013 0700h	Aqueous	Nitrite/Nitrate (as N), E353.2
1308555-008C	TW4-65_08292013	8/29/2013 0700h	Aqueous	VOA by GC/MS Method 8260C/5030C
1308555-009A	TW4-03_08292013	8/29/2013 0700h	Aqueous	Anions, E300.0
1308555-009B	TW4-03_08292013	8/29/2013 0700h	Aqueous	Nitrite/Nitrate (as N), E353.2
1308555-009C	TW4-03_08292013	8/29/2013 0700h	Aqueous	VOA by GC/MS Method 8260C/5030C
1308555-010A	Trip Blank	8/28/2013	Aqueous	VOA by GC/MS Method 8260C/5030C

Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Chloroform 2013
Lab Set ID:	1308555

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	8/30/2013
Date(s) of Collection:	8/28 & 8/29/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions: The MS and MSD percent recoveries for nitrate/nitrite were outside of control limits on sample 1308555-004B due to sample matrix interference.

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.

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Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Chloroform 2013
Lab Set ID:	1308555

Sample Receipt Information:

Date of Receipt:	8/30/2013
Date(s) of Collection:	8/28 & 8/29/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: No target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1308555
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R58689 Date Analyzed: 09/03/2013 1559h													
Test Code: 300.0-W													
Chloride	4.73	mg/L	E300.0	0.0114	0.100	5.000	0	94.6	90 - 110				
Lab Sample ID: LCS-R58608 Date Analyzed: 08/30/2013 1609h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.06	mg/L	E353.2	0.00252	0.100	1.000	0	106	90 - 110				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1308555
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R58689 Date Analyzed: 09/03/2013 1535h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								
Lab Sample ID: MB-R58608 Date Analyzed: 08/30/2013 1607h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.100	mg/L	E353.2	0.00252	0.100								

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1308555
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1308555-001AMS Date Analyzed: 09/03/2013 1645h													
Test Code: 300.0-W													
Chloride	5.24	mg/L	E300.0	0.0114	0.100	5.000	0.022	104	90 - 110				
Lab Sample ID: 1308555-009AMS Date Analyzed: 09/03/2013 2148h													
Test Code: 300.0-W													
Chloride	250	mg/L	E300.0	0.570	5.00	250.0	24	90.6	90 - 110				
Lab Sample ID: 1308555-004BMS Date Analyzed: 08/30/2013 1646h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	17.5	mg/L	E353.2	0.0252	1.00	10.00	4.51	130	90 - 110				1

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

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1308555
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1308555-001AMSD Date Analyzed: 09/03/2013 1708h													
Test Code: 300.0-W													
Chloride	5.25	mg/L	E300.0	0.0114	0.100	5.000	0.022	105	90 - 110	5.24	0.191	20	
Lab Sample ID: 1308555-009AMSD Date Analyzed: 09/03/2013 2211h													
Test Code: 300.0-W													
Chloride	268	mg/L	E300.0	0.570	5.00	250.0	24	97.7	90 - 110	250	6.86	20	
Lab Sample ID: 1308555-004BMSD Date Analyzed: 08/30/2013 1647h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	16.4	mg/L	E353.2	0.0252	1.00	10.00	4.51	119	90 - 110	17.5	6.57	10	1

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

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1308555
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOC 083013A Date Analyzed: 08/30/2013 0922h													
Test Code: 8260-W													
Chloroform	19.0	µg/L	SW8260C	0.277	2.00	20.00	0	95.0	67 - 132				
Methylene chloride	16.3	µg/L	SW8260C	0.155	2.00	20.00	0	81.4	32 - 185				
Surr: 1,2-Dichloroethane-d4	52.8	µg/L	SW8260C			50.00		106	76 - 138				
Surr: 4-Bromofluorobenzene	48.7	µg/L	SW8260C			50.00		97.3	77 - 121				
Surr: Dibromofluoromethane	51.3	µg/L	SW8260C			50.00		103	67 - 128				
Surr: Toluene-d8	50.5	µg/L	SW8260C			50.00		101	81 - 135				

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1308555
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB VOC 083013A Date Analyzed: 08/30/2013 1001h													
Test Code: 8260-W													
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.137	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.277	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.127	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.155	1.00								
Surr: 1,2-Dichloroethane-d4	55.5	µg/L	SW8260C			50.00		111	76 - 138				
Surr: 4-Bromofluorobenzene	49.9	µg/L	SW8260C			50.00		99.8	77 - 121				
Surr: Dibromofluoromethane	51.0	µg/L	SW8260C			50.00		102	67 - 128				
Surr: Toluene-d8	51.0	µg/L	SW8260C			50.00		102	81 - 135				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1308555
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1308555-001CMS Date Analyzed: 08/30/2013 1723h													
Test Code: 8260-W													
Chloroform	22.5	µg/L	SW8260C	0.277	2.00	20.00	0	113	50 - 146				
Methylene chloride	18.6	µg/L	SW8260C	0.155	2.00	20.00	0	92.9	30 - 192				
Surr: 1,2-Dichloroethane-d4	56.6	µg/L	SW8260C			50.00		113	72 - 151				
Surr: 4-Bromofluorobenzene	47.2	µg/L	SW8260C			50.00		94.4	80 - 128				
Surr: Dibromofluoromethane	52.6	µg/L	SW8260C			50.00		105	80 - 124				
Surr: Toluene-d8	47.6	µg/L	SW8260C			50.00		95.2	77 - 129				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1308555
Project: 3rd Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1308555-001CMSD Date Analyzed: 08/30/2013 1742h													
Test Code: 8260-W													
Chloroform	21.2	µg/L	SW8260C	0.277	2.00	20.00	0	106	50 - 146	22.5	5.94	25	
Methylene chloride	17.7	µg/L	SW8260C	0.155	2.00	20.00	0	88.6	30 - 192	18.6	4.74	25	
Surr: 1,2-Dichloroethane-d4	56.8	µg/L	SW8260C			50.00		114	72 - 151				
Surr: 4-Bromofluorobenzene	48.8	µg/L	SW8260C			50.00		97.5	80 - 128				
Surr: Dibromofluoromethane	53.3	µg/L	SW8260C			50.00		107	80 - 124				
Surr: Toluene-d8	48.2	µg/L	SW8260C			50.00		96.4	77 - 129				

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1308555**

Client: Energy Fuels Resources, Inc. Due Date: 9/11/2013

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **3rd Quarter Chloroform 2013** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). RL of 1 ppm for Chloride and VOC and 0.1 ppm for NO2/NO3. Expected levels provided by client - see Jenn. J-flag what we can't meet. EIM Locus and EDD-Denison. Email Group.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1308555-001A	**TW4-03R_08282013**	8/28/2013 0933h	8/30/2013 0945h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1308555-001B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1308555-001C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1308555-002A	**TW4-12_08292013**	8/29/2013 0715h	8/30/2013 0945h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1308555-002B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1308555-002C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1308555-003A	**TW4-13_08292013**	8/29/2013 0721h	8/30/2013 0945h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1308555-003B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1308555-003C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1308555-004A	**TW4-14_08292013**	8/29/2013 0729h	8/30/2013 0945h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1308555-004B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1308555-004C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1308555-005A	**TW4-27_08292013**	8/29/2013 0735h	8/30/2013 0945h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1308555-005B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1308555-005C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1308555-006A	**TW4-28_08292013**	8/29/2013 0743h	8/30/2013 0945h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				

Printed: 8/30/2013 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☑ RT ☑ CN ☐ TAT ☑ QC ☐ HOK DB HOK AR HOK____ COC Emailed 8/30/13

WORK ORDER Summary

Work Order: **1308555**

Client: Energy Fuels Resources, Inc.

Due Date: 9/11/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1308555-006B	**TW4-28_08292013**	8/29/2013 0743h	8/30/2013 0945h	**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*	Aqueous	☑	df - no2/no3	1
1308555-006C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1308555-007A	**TW4-30_08292013**	8/29/2013 0751h	8/30/2013 0945h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1308555-007B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1308555-007C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1308555-008A	**TW4-65_08292013**	8/29/2013 0700h	8/30/2013 0945h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1308555-008B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1308555-008C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1308555-009A	**TW4-03_08292013**	8/29/2013 0700h	8/30/2013 0945h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1308555-009B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1308555-009C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1308555-010A	**Trip Blank**	8/28/2013	8/30/2013 0945h	**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*	Aqueous	☑	VOCFridge	3

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
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Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

1308555
AWAL Lab Sample Set #
Page 1 of 1

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: ~~2nd Quarter Chloroform 2013~~ 3rd Quarter Chloroform 2013
Project #:
PO #:
Sampler Name: **Garrin Palmer**

X Include EDD:
LOCUS UPLOAD
EXCEL
Field Filtered For:

For Compliance With:
- ☐ NELAP
- ☐ RCRA
- ☐ CWA
- ☐ SDWA
- ☐ ELAP / A2LA
- ☐ NLLAP
- ☐ Non-Compliance
- ☐ Other:

Known Hazards & Sample Comments

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)
1	TW4-03R_08282013	8/28/2013	933	5	w	x	x	x
2	TW4-12_08292013	8/29/2013	715	5	w	x	x	x
3	TW4-13_08292013	8/29/2013	721	5	w	x	x	x
4	TW4-14_08292013	8/29/2013	729	5	w	x	x	x
5	TW4-27_08292013	8/29/2013	735	5	w	x	x	x
6	TW4-28_08292013	8/29/2013	743	5	w	x	x	x
7	TW4-30_08292013	8/29/2013	751	5	w	x	x	x
8	TW4-65_08292013	8/29/2013	700	5	w	x	x	x
9	TW4-03_08292013	8/29/2013	700	5	w	x	x	x
10	Trip Blank	8/28/13		3	w			X
	Temp Blank							
11								
12								

Laboratory Use Only

Samples Were: Fed X
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 0.8 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name: Garrin Palmer	Time: 1200	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date: 9/45
Print Name:	Time:	Print Name: Elena Hayden	Time: 8/30/13
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
General Inorganics					
Chloride	A4500-Cl B or A4500-Cl E or E300.0	1 mg/L	28 days	None	≤ 6°C
Sulfate	A4500-SO4 E or E300.0	1 mg/L	28 days	None	≤ 6°C
Carbonate as CO3	A2320 B	1 mg/L	14 days	None	≤ 6°C
Bicarbonate as HCO3	A2320 B	1 mg/L	14 days	None	
Volatile Organic Compounds –Chloroform Program					
Carbon Tetrachloride	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloroform	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Dichloromethane (Methylene Chloride)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloromethane	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
SVOCs – Tailings Impoundment Samples Only					
1,2,4-Trichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,2-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,3-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,4-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,5-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,6-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dimethylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrophenol	SW8270D	<20 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,6-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chloronaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Nitrophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3&4-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3,3'-Dichlorobenzidine	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
4,6-Dinitro-2-methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C

Lab Set ID: 1308555

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7	8	9									
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	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes									
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved

▲ The Sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference

Tab I

Quality Assurance and Data Validation Tables

I-1: Field QA/QC Evaluation

Location	1x Casing Volume	Volume Pumped	2x Casing Volume	Volume Check	Conductivity		RPD	pH		RPD	Temp		RPD	Redox Potential		RPD	Turbidity		RPD
MW-4	NA	Continuously pumped well	--		1916		N/A	7.15		N/A	15.63		N/A	259		N/A	2.7		N/A
TW4-01	29.80	66.00	60	OK	2131	2124	0.33	6.25	6.22	0.48	14.94	14.94	0.00	308	308	0.00	77	75	2.63
TW4-02	35.52	63.00	71	Pumped Dry	3070	3110	1.29	6.73	6.72	0.15	14.46	14.49	0.21	NM		NC	NM		NC
TW4-03	58.31	91.00	117	Pumped Dry	1630	1635	0.31	7.00	6.97	0.43	15.98	15.95	0.19	NM		NC	NM		NC
TW4-04	NA	Continuously pumped well	--		2303		N/A	6.96		N/A	16.91		N/A	268		N/A	3.0		N/A
TW4-05	39.55	110.00	79	OK	1486	1490	0.27	6.58	6.58	0.00	15.54	15.55	0.06	292	291	0.34	675	680	0.74
TW4-06	18.44	25.00	37	Pumped Dry	4000	4006	0.15	6.11	6.14	0.49	15.63	15.67	0.26	NM		NC	NM		NC
TW4-07	35.78	66.00	72	Pumped Dry	1564	1567	0.19	6.83	6.85	0.29	14.41	14.45	0.28	NM		NC	NM		NC
TW4-08	39.15	99.00	78	OK	3276	3271	0.15	6.83	6.84	0.15	15.04	15.03	0.07	140	140	0.00	260	265	1.90
TW4-09	40.96	99.00	82	OK	2341	2340	0.04	6.41	6.40	0.16	15.06	15.06	0.00	307	306	0.33	297	304	2.33
TW4-10	34.86	52.00	70	Pumped Dry	2418	2420	0.08	6.00	6.03	0.50	14.95	14.97	0.13	NM		NC	NM		NC
TW4-11	27.62	66.00	55	OK	1627	1627	0.00	6.65	6.65	0.00	14.48	14.50	0.14	303	303	0.00	13.8	14.0	0.00
TW4-12	38.80	88.00	78	OK	1189	1189	0.00	7.14	7.14	0.00	15.04	15.04	0.00	260	260	0.00	3.2	3.2	0.00
TW4-13	36.04	55.00	72	Pumped Dry	1735	1739	0.23	7.17	7.17	0.00	15.30	15.36	0.39	NM		NC	NM		NC
TW4-14	4.98	5.50	10	Pumped Dry	1265	1282	1.33	7.15	7.12	0.42	15.45	15.51	0.39	NM		NC	NM		NC
MW-26	NA	Continuously pumped well	--		3351		N/A	6.95		N/A	15.97		N/A	236		N/A	1.50		N/A
TW4-16	52.73	132.00	105	OK	3494	3495	0.03	6.41	6.41	0.00	14.94	14.95	0.07	181	182	0.55	33	33	0.00
MW-32	38.17	78.12	76	OK	3856	3845	0.29	6.59	6.53	0.91	15.09	15.10	0.07	171	170	0.59	91	94	3.24
TW4-18	50.50	121.00	101	OK	1630	1611	1.17	6.41	6.40	0.16	15.65	15.64	0.06	298	298	0.00	537	521	3.02
TW4-19	NA	Continuously pumped well	--		3205		N/A	6.80		N/A	16.15		N/A	400		N/A	0.0		N/A
TW4-20	NA	Continuously pumped well	--		3960		N/A	6.97		N/A	17.07		N/A	225		N/A	4.0		N/A
TW4-21	39.99	99.00	80	OK	3802	3795	0.18	6.74	6.75	0.15	16.10	16.10	0.00	292	292	0.00	6.6	6.5	0.00
TW4-22	NA	Continuously pumped well	--		6097		N/A	6.94		N/A	17.10		N/A	254		N/A	0.5		N/A
TW4-23	32.38	88.00	65	OK	3645	3644	0.03	6.15	6.17	0.32	14.36	14.36	0.00	211	213	0.94	69	67	2.94
TW4-24	NA	Continuously pumped well	--		8247		N/A	6.73		N/A	17.11		N/A	254		N/A	0		N/A
TW4-25	NA	Continuously pumped well	--		2895		N/A	7.27		N/A	16.97		N/A	275		N/A	0.80		N/A
TW4-26	15.11	18.00	30	Pumped Dry	6307	6297	0.16	4.22	4.25	0.71	16.01	16.00	0.06	NM		NC	NM		NC
TW4-27	9.59	11.00	19	Pumped Dry	5375	5367	0.15	6.81	6.84	0.44	15.27	15.29	0.13	NM		NC	NM		NC
TW4-28	45.87	99.00	92	OK	1165	1161	0.34	7.25	7.22	0.41	16.63	16.64	0.06	291	290	0.34	19	18.2	4.30
TW4-29	7.99	11.00	16	Pumped Dry	5295	5285	0.19	6.72	6.69	0.45	15.38	15.37	0.07	NM		NC	NM		NC
TW4-29 Resample	14.18	18.00	28	Pumped Dry	4258	4251	0.16	6.26	6.31	0.80	15.32	15.35	0.20	NM		NC	NM		NC
TW4-30	9.69	11.00	19	Pumped Dry	4458	4429	0.65	5.55	5.54	0.18	15.47	15.46	0.06	NM		NC	NM		NC
TW4-31	14.52	18.00	29	Pumped Dry	4795	4803	0.17	6.93	6.92	0.14	15.91	15.98	0.44	NM		NC	NM		NC

MW-4, TW4-4, MW-26, TW4-19, TW4-20, TW4-22, TW4-24, and TW4-25 are continually pumped wells. TW4-22, TW4-24, and TW4-25 are pumped under the nitrate program.

TW4-02, TW4-03, TW4-06, TW4-07, TW4-10, TW4-13, TW4-14, TW4-26, TW4-27, TW4-29, TW4-30, and TW4-31 were pumped dry and sampled after recovery.

NM = Not Measured. The QAP does not require the measurement of redox potential or turbidity in wells that were purged to dryness.

RPD = Relative Percent Difference

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.

I-2: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
Trip Blank	Carbon tetrachloride	8/28/2013	8/30/2013	2	14	OK
Trip Blank	Chloroform	8/28/2013	8/30/2013	2	14	OK
Trip Blank	Chloromethane	8/28/2013	8/30/2013	2	14	OK
Trip Blank	Methylene chloride	8/28/2013	8/30/2013	2	14	OK
Trip Blank	Carbon tetrachloride	9/3/2013	9/9/2013	6	14	OK
Trip Blank	Chloroform	9/3/2013	9/9/2013	6	14	OK
Trip Blank	Chloromethane	9/3/2013	9/9/2013	6	14	OK
Trip Blank	Methylene chloride	9/3/2013	9/9/2013	6	14	OK
Trip Blank	Carbon tetrachloride	9/12/2013	9/16/2013	4	14	OK
Trip Blank	Chloroform	9/12/2013	9/16/2013	4	14	OK
Trip Blank	Chloromethane	9/12/2013	9/16/2013	4	14	OK
Trip Blank	Methylene chloride	9/12/2013	9/16/2013	4	14	OK
Trip Blank	Carbon tetrachloride	9/26/2013	9/27/2013	1	14	OK
Trip Blank	Chloroform	9/26/2013	9/27/2013	1	14	OK
Trip Blank	Chloromethane	9/26/2013	9/27/2013	1	14	OK
Trip Blank	Methylene chloride	9/26/2013	9/27/2013	1	14	OK
MW-04	Carbon tetrachloride	9/3/2013	9/9/2013	6	14	OK
MW-04	Chloride	9/3/2013	9/12/2013	9	28	OK
MW-04	Chloroform	9/3/2013	9/9/2013	6	14	OK
MW-04	Chloromethane	9/3/2013	9/9/2013	6	14	OK
MW-04	Methylene chloride	9/3/2013	9/9/2013	6	14	OK
MW-04	Nitrate/Nitrite (as N)	9/3/2013	9/12/2013	9	28	OK
TW4-01	Carbon tetrachloride	9/12/2013	9/16/2013	4	14	OK
TW4-01	Chloride	9/12/2013	9/19/2013	7	28	OK
TW4-01	Chloroform	9/12/2013	9/17/2013	5	14	OK
TW4-01	Chloromethane	9/12/2013	9/16/2013	4	14	OK
TW4-01	Methylene chloride	9/12/2013	9/16/2013	4	14	OK
TW4-01	Nitrate/Nitrite (as N)	9/12/2013	9/17/2013	5	28	OK
TW4-02	Carbon tetrachloride	9/12/2013	9/16/2013	4	14	OK
TW4-02	Chloride	9/12/2013	9/18/2013	6	28	OK
TW4-02	Chloroform	9/12/2013	9/17/2013	5	14	OK
TW4-02	Chloromethane	9/12/2013	9/16/2013	4	14	OK
TW4-02	Methylene chloride	9/12/2013	9/16/2013	4	14	OK
TW4-02	Nitrate/Nitrite (as N)	9/12/2013	9/17/2013	5	28	OK
TW4-03	Carbon tetrachloride	8/29/2013	8/30/2013	1	14	OK
TW4-03	Chloride	8/29/2013	9/3/2013	5	28	OK
TW4-03	Chloroform	8/29/2013	8/30/2013	1	14	OK
TW4-03	Chloromethane	8/29/2013	8/30/2013	1	14	OK
TW4-03	Methylene chloride	8/29/2013	8/30/2013	1	14	OK
TW4-03	Nitrate/Nitrite (as N)	8/29/2013	8/30/2013	1	28	OK
TW4-03R	Carbon tetrachloride	8/28/2013	8/30/2013	2	14	OK
TW4-03R	Chloride	8/28/2013	9/3/2013	6	28	OK
TW4-03R	Chloroform	8/28/2013	8/30/2013	2	14	OK
TW4-03R	Chloromethane	8/28/2013	8/30/2013	2	14	OK
TW4-03R	Methylene chloride	8/28/2013	8/30/2013	2	14	OK
TW4-03R	Nitrate/Nitrite (as N)	8/28/2013	8/30/2013	2	28	OK
TW4-04	Carbon tetrachloride	9/3/2013	9/9/2013	6	14	OK
TW4-04	Chloride	9/3/2013	9/12/2013	9	28	OK
TW4-04	Chloroform	9/3/2013	9/9/2013	6	14	OK
TW4-04	Chloromethane	9/3/2013	9/9/2013	6	14	OK
TW4-04	Methylene chloride	9/3/2013	9/9/2013	6	14	OK
TW4-04	Nitrate/Nitrite (as N)	9/3/2013	9/12/2013	9	28	OK
TW4-05	Carbon tetrachloride	9/5/2013	9/9/2013	4	14	OK
TW4-05	Chloride	9/5/2013	9/13/2013	8	28	OK

I-2: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-05	Chloroform	9/5/2013	9/9/2013	4	14	OK
TW4-05	Chloromethane	9/5/2013	9/9/2013	4	14	OK
TW4-05	Methylene chloride	9/5/2013	9/9/2013	4	14	OK
TW4-05	Nitrate/Nitrite (as N)	9/5/2013	9/12/2013	7	28	OK
TW4-05R	Carbon tetrachloride	9/4/2013	9/9/2013	5	14	OK
TW4-05R	Chloride	9/4/2013	9/12/2013	8	28	OK
TW4-05R	Chloroform	9/4/2013	9/9/2013	5	14	OK
TW4-05R	Chloromethane	9/4/2013	9/9/2013	5	14	OK
TW4-05R	Methylene chloride	9/4/2013	9/9/2013	5	14	OK
TW4-05R	Nitrate/Nitrite (as N)	9/4/2013	9/12/2013	8	28	OK
TW4-06	Carbon tetrachloride	9/5/2013	9/9/2013	4	14	OK
TW4-06	Chloride	9/5/2013	9/12/2013	7	28	OK
TW4-06	Chloroform	9/5/2013	9/9/2013	4	14	OK
TW4-06	Chloromethane	9/5/2013	9/9/2013	4	14	OK
TW4-06	Methylene chloride	9/5/2013	9/9/2013	4	14	OK
TW4-06	Nitrate/Nitrite (as N)	9/5/2013	9/12/2013	7	28	OK
TW4-07	Carbon tetrachloride	9/12/2013	9/16/2013	4	14	OK
TW4-07	Chloride	9/12/2013	9/18/2013	6	28	OK
TW4-07	Chloroform	9/12/2013	9/17/2013	5	14	OK
TW4-07	Chloromethane	9/12/2013	9/16/2013	4	14	OK
TW4-07	Methylene chloride	9/12/2013	9/16/2013	4	14	OK
TW4-07	Nitrate/Nitrite (as N)	9/12/2013	9/17/2013	5	28	OK
TW4-08	Carbon tetrachloride	9/5/2013	9/9/2013	4	14	OK
TW4-08	Chloride	9/5/2013	9/12/2013	7	28	OK
TW4-08	Chloroform	9/5/2013	9/9/2013	4	14	OK
TW4-08	Chloromethane	9/5/2013	9/9/2013	4	14	OK
TW4-08	Methylene chloride	9/5/2013	9/9/2013	4	14	OK
TW4-08	Nitrate/Nitrite (as N)	9/5/2013	9/12/2013	7	28	OK
TW4-09	Carbon tetrachloride	9/5/2013	9/9/2013	4	14	OK
TW4-09	Chloride	9/5/2013	9/12/2013	7	28	OK
TW4-09	Chloroform	9/5/2013	9/9/2013	4	14	OK
TW4-09	Chloromethane	9/5/2013	9/9/2013	4	14	OK
TW4-09	Methylene chloride	9/5/2013	9/9/2013	4	14	OK
TW4-09	Nitrate/Nitrite (as N)	9/5/2013	9/12/2013	7	28	OK
TW4-10	Carbon tetrachloride	9/12/2013	9/16/2013	4	14	OK
TW4-10	Chloride	9/12/2013	9/18/2013	6	28	OK
TW4-10	Chloroform	9/12/2013	9/17/2013	5	14	OK
TW4-10	Chloromethane	9/12/2013	9/16/2013	4	14	OK
TW4-10	Methylene chloride	9/12/2013	9/16/2013	4	14	OK
TW4-10	Nitrate/Nitrite (as N)	9/12/2013	9/17/2013	5	28	OK
TW4-11	Carbon tetrachloride	9/12/2013	9/16/2013	4	14	OK
TW4-11	Chloride	9/12/2013	9/18/2013	6	28	OK
TW4-11	Chloroform	9/12/2013	9/17/2013	5	14	OK
TW4-11	Chloromethane	9/12/2013	9/16/2013	4	14	OK
TW4-11	Methylene chloride	9/12/2013	9/16/2013	4	14	OK
TW4-11	Nitrate/Nitrite (as N)	9/12/2013	9/17/2013	5	28	OK
TW4-12	Carbon tetrachloride	8/29/2013	8/30/2013	1	14	OK
TW4-12	Chloride	8/29/2013	9/3/2013	5	28	OK
TW4-12	Chloroform	8/29/2013	8/30/2013	1	14	OK
TW4-12	Chloromethane	8/29/2013	8/30/2013	1	14	OK
TW4-12	Methylene chloride	8/29/2013	8/30/2013	1	14	OK
TW4-12	Nitrate/Nitrite (as N)	8/29/2013	8/30/2013	1	28	OK
TW4-13	Carbon tetrachloride	8/29/2013	8/30/2013	1	14	OK
TW4-13	Chloride	8/29/2013	9/3/2013	5	28	OK

I-2: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-13	Chloroform	8/29/2013	8/30/2013	1	14	OK
TW4-13	Chloromethane	8/29/2013	8/30/2013	1	14	OK
TW4-13	Methylene chloride	8/29/2013	8/30/2013	1	14	OK
TW4-13	Nitrate/Nitrite (as N)	8/29/2013	8/30/2013	1	28	OK
TW4-14	Carbon tetrachloride	8/29/2013	8/30/2013	1	14	OK
TW4-14	Chloride	8/29/2013	9/3/2013	5	28	OK
TW4-14	Chloroform	8/29/2013	8/30/2013	1	14	OK
TW4-14	Chloromethane	8/29/2013	8/30/2013	1	14	OK
TW4-14	Methylene chloride	8/29/2013	8/30/2013	1	14	OK
TW4-14	Nitrate/Nitrite (as N)	8/29/2013	8/30/2013	1	28	OK
MW-26	Carbon tetrachloride	9/3/2013	9/9/2013	6	14	OK
MW-26	Chloride	9/3/2013	9/12/2013	9	28	OK
MW-26	Chloroform	9/3/2013	9/9/2013	6	14	OK
MW-26	Chloromethane	9/3/2013	9/9/2013	6	14	OK
MW-26	Methylene chloride	9/3/2013	9/9/2013	6	14	OK
MW-26	Nitrate/Nitrite (as N)	9/3/2013	9/12/2013	9	28	OK
TW4-16	Carbon tetrachloride	9/5/2013	9/9/2013	4	14	OK
TW4-16	Chloride	9/5/2013	9/12/2013	7	28	OK
TW4-16	Chloroform	9/5/2013	9/9/2013	4	14	OK
TW4-16	Chloromethane	9/5/2013	9/9/2013	4	14	OK
TW4-16	Methylene chloride	9/5/2013	9/9/2013	4	14	OK
TW4-16	Nitrate/Nitrite (as N)	9/5/2013	9/12/2013	7	28	OK
MW-32	Carbon tetrachloride	9/4/2013	9/9/2013	5	14	OK
MW-32	Chloride	9/4/2013	9/12/2013	8	28	OK
MW-32	Chloroform	9/4/2013	9/9/2013	5	14	OK
MW-32	Chloromethane	9/4/2013	9/9/2013	5	14	OK
MW-32	Methylene chloride	9/4/2013	9/9/2013	5	14	OK
MW-32	Nitrate/Nitrite (as N)	9/4/2013	9/12/2013	8	28	OK
TW4-18	Carbon tetrachloride	9/5/2013	9/9/2013	4	14	OK
TW4-18	Chloride	9/5/2013	9/13/2013	8	28	OK
TW4-18	Chloroform	9/5/2013	9/9/2013	4	14	OK
TW4-18	Chloromethane	9/5/2013	9/9/2013	4	14	OK
TW4-18	Methylene chloride	9/5/2013	9/9/2013	4	14	OK
TW4-18	Nitrate/Nitrite (as N)	9/5/2013	9/12/2013	7	28	OK
TW4-19	Carbon tetrachloride	9/3/2013	9/9/2013	6	14	OK
TW4-19	Chloride	9/3/2013	9/12/2013	9	28	OK
TW4-19	Chloroform	9/3/2013	9/9/2013	6	14	OK
TW4-19	Chloromethane	9/3/2013	9/9/2013	6	14	OK
TW4-19	Methylene chloride	9/3/2013	9/9/2013	6	14	OK
TW4-19	Nitrate/Nitrite (as N)	9/3/2013	9/12/2013	9	28	OK
TW4-20	Carbon tetrachloride	9/3/2013	9/9/2013	6	14	OK
TW4-20	Chloride	9/3/2013	9/12/2013	9	28	OK
TW4-20	Chloroform	9/3/2013	9/10/2013	7	14	OK
TW4-20	Chloromethane	9/3/2013	9/9/2013	6	14	OK
TW4-20	Methylene chloride	9/3/2013	9/9/2013	6	14	OK
TW4-20	Nitrate/Nitrite (as N)	9/3/2013	9/12/2013	9	28	OK
TW4-21	Carbon tetrachloride	9/12/2013	9/16/2013	4	14	OK
TW4-21	Chloride	9/12/2013	9/18/2013	6	28	OK
TW4-21	Chloroform	9/12/2013	9/16/2013	4	14	OK
TW4-21	Chloromethane	9/12/2013	9/16/2013	4	14	OK
TW4-21	Methylene chloride	9/12/2013	9/16/2013	4	14	OK
TW4-21	Nitrate/Nitrite (as N)	9/12/2013	9/17/2013	5	28	OK
TW4-22	Carbon tetrachloride	9/3/2013	9/9/2013	6	14	OK
TW4-22	Chloride	9/3/2013	9/12/2013	9	28	OK

I-2: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-22	Chloroform	9/3/2013	9/9/2013	6	14	OK
TW4-22	Chloromethane	9/3/2013	9/9/2013	6	14	OK
TW4-22	Methylene chloride	9/3/2013	9/9/2013	6	14	OK
TW4-22	Nitrate/Nitrite (as N)	9/3/2013	9/12/2013	9	28	OK
TW4-23	Carbon tetrachloride	9/5/2013	9/9/2013	4	14	OK
TW4-23	Chloride	9/5/2013	9/12/2013	7	28	OK
TW4-23	Chloroform	9/5/2013	9/9/2013	4	14	OK
TW4-23	Chloromethane	9/5/2013	9/9/2013	4	14	OK
TW4-23	Methylene chloride	9/5/2013	9/9/2013	4	14	OK
TW4-23	Nitrate/Nitrite (as N)	9/5/2013	9/12/2013	7	28	OK
TW4-24	Carbon tetrachloride	9/3/2013	9/9/2013	6	14	OK
TW4-24	Chloride	9/3/2013	9/12/2013	9	28	OK
TW4-24	Chloroform	9/3/2013	9/9/2013	6	14	OK
TW4-24	Chloromethane	9/3/2013	9/9/2013	6	14	OK
TW4-24	Methylene chloride	9/3/2013	9/9/2013	6	14	OK
TW4-24	Nitrate/Nitrite (as N)	9/3/2013	9/12/2013	9	28	OK
TW4-25	Carbon tetrachloride	9/3/2013	9/9/2013	6	14	OK
TW4-25	Chloride	9/3/2013	9/12/2013	9	28	OK
TW4-25	Chloroform	9/3/2013	9/9/2013	6	14	OK
TW4-25	Chloromethane	9/3/2013	9/9/2013	6	14	OK
TW4-25	Methylene chloride	9/3/2013	9/9/2013	6	14	OK
TW4-25	Nitrate/Nitrite (as N)	9/3/2013	9/12/2013	9	28	OK
TW4-26	Carbon tetrachloride	9/5/2013	9/9/2013	4	14	OK
TW4-26	Chloride	9/5/2013	9/12/2013	7	28	OK
TW4-26	Chloroform	9/5/2013	9/9/2013	4	14	OK
TW4-26	Chloromethane	9/5/2013	9/9/2013	4	14	OK
TW4-26	Methylene chloride	9/5/2013	9/9/2013	4	14	OK
TW4-26	Nitrate/Nitrite (as N)	9/5/2013	9/12/2013	7	28	OK
TW4-27	Carbon tetrachloride	8/29/2013	8/30/2013	1	14	OK
TW4-27	Chloride	8/29/2013	9/3/2013	5	28	OK
TW4-27	Chloroform	8/29/2013	8/30/2013	1	14	OK
TW4-27	Chloromethane	8/29/2013	8/30/2013	1	14	OK
TW4-27	Methylene chloride	8/29/2013	8/30/2013	1	14	OK
TW4-27	Nitrate/Nitrite (as N)	8/29/2013	8/30/2013	1	28	OK
TW4-28	Carbon tetrachloride	8/29/2013	8/30/2013	1	14	OK
TW4-28	Chloride	8/29/2013	9/3/2013	5	28	OK
TW4-28	Chloroform	8/29/2013	8/30/2013	1	14	OK
TW4-28	Chloromethane	8/29/2013	8/30/2013	1	14	OK
TW4-28	Methylene chloride	8/29/2013	8/30/2013	1	14	OK
TW4-28	Nitrate/Nitrite (as N)	8/29/2013	8/30/2013	1	28	OK
TW4-29	Carbon tetrachloride	9/12/2013	9/16/2013	4	14	OK
TW4-29	Chloride	9/12/2013	9/18/2013	6	28	OK
TW4-29	Chloroform	9/12/2013	9/16/2013	4	14	OK
TW4-29	Chloromethane	9/12/2013	9/16/2013	4	14	OK
TW4-29	Methylene chloride	9/12/2013	9/16/2013	4	14	OK
TW4-29	Nitrate/Nitrite (as N)	9/12/2013	9/17/2013	5	28	OK
TW4-29	Carbon tetrachloride	9/26/2013	9/27/2013	1	14	OK
TW4-29	Chloride	9/26/2013	9/27/2013	1	28	OK
TW4-29	Chloroform	9/26/2013	9/27/2013	1	14	OK
TW4-29	Chloromethane	9/26/2013	9/27/2013	1	14	OK
TW4-29	Methylene chloride	9/26/2013	9/27/2013	1	14	OK
TW4-29	Nitrate/Nitrite (as N)	9/26/2013	9/27/2013	1	28	OK
TW4-30	Carbon tetrachloride	8/29/2013	8/30/2013	1	14	OK
TW4-30	Chloride	8/29/2013	9/3/2013	5	28	OK

I-2: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-30	Chloroform	8/29/2013	8/30/2013	1	14	OK
TW4-30	Chloromethane	8/29/2013	8/30/2013	1	14	OK
TW4-30	Methylene chloride	8/29/2013	8/30/2013	1	14	OK
TW4-30	Nitrate/Nitrite (as N)	8/29/2013	8/30/2013	1	28	OK
TW4-31	Carbon tetrachloride	9/5/2013	9/9/2013	4	14	OK
TW4-31	Chloride	9/5/2013	9/12/2013	7	28	OK
TW4-31	Chloroform	9/5/2013	9/9/2013	4	14	OK
TW4-31	Chloromethane	9/5/2013	9/9/2013	4	14	OK
TW4-31	Methylene chloride	9/5/2013	9/9/2013	4	14	OK
TW4-31	Nitrate/Nitrite (as N)	9/5/2013	9/12/2013	7	28	OK
TW4-60	Carbon tetrachloride	9/12/2013	9/17/2013	5	14	OK
TW4-60	Chloride	9/12/2013	9/18/2013	6	28	OK
TW4-60	Chloroform	9/12/2013	9/17/2013	5	14	OK
TW4-60	Chloromethane	9/12/2013	9/17/2013	5	14	OK
TW4-60	Methylene chloride	9/12/2013	9/17/2013	5	14	OK
TW4-60	Nitrate/Nitrite (as N)	9/12/2013	9/17/2013	5	28	OK
TW4-65	Carbon tetrachloride	8/29/2013	8/30/2013	1	14	OK
TW4-65	Chloride	8/29/2013	9/3/2013	5	28	OK
TW4-65	Chloroform	8/29/2013	8/30/2013	1	14	OK
TW4-65	Chloromethane	8/29/2013	8/30/2013	1	14	OK
TW4-65	Methylene chloride	8/29/2013	8/30/2013	1	14	OK
TW4-65	Nitrate/Nitrite (as N)	8/29/2013	8/30/2013	1	28	OK
TW4-70	Carbon tetrachloride	9/5/2013	9/9/2013	4	14	OK
TW4-70	Chloride	9/5/2013	9/12/2013	7	28	OK
TW4-70	Chloroform	9/5/2013	9/9/2013	4	14	OK
TW4-70	Chloromethane	9/5/2013	9/9/2013	4	14	OK
TW4-70	Methylene chloride	9/5/2013	9/9/2013	4	14	OK
TW4-70	Nitrate/Nitrite (as N)	9/5/2013	9/12/2013	7	28	OK

Table I-3 Recipt Temperature Check

Sample Batch	Wells in Batch	Temperature
1308555	TW4-03, TW4-03R, TW4-12, TW4-13, TW4-14, TW4-27, TW4-28, TW4-30, TW4-65, Trip Blank	0.8 °C
1309103	MW-04, TW4-04, TW4-05, TW4-05R, TW4-06, TW4-08, TW4-09, TW4-16, TW4-18, TW4-19, MW-26, MW-32, TW4-20, TW4-22, TW4-23, TW4-24, TW4-25, TW4-26, TW4-31, TW4-70, Trip Blank	3.9 °C
1309255	TW4-01, TW4-02, TW4-07, TW4-10, TW4-11, TW4-21, TW4-29, TW4-60, Trip Blank	2.6 °C
1309328	TW4-01 (Chloride)	4.5 °C
1309526	TW4-29 resample, Trip Blank	0.9 °C

I-4 Analytical Method Check

Parameter	Method	Method Used by Lab
Carbon Tetrachloride	SW8260B or SW8260C	SW8260C
Chloride	A4500-Cl B or A4500-Cl E or E300.0	E300.0
Chloroform	SW8260B or SW8260C	SW8260C
Chloromethane	SW8260B or SW8260C	SW8260C
Methylene chloride	SW8260B or SW8260C	SW8260C
Nitrogen	E353.1 or E353.2	E353.2

All parameters were analyzed using the reporting method specificied in the QAP

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	RL Check	DILUTION FACTOR
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	OK	1
Trip Blank	Chloroform	1	ug/L	U	1	OK	1
Trip Blank	Chloromethane	1	ug/L	U	1	OK	1
Trip Blank	Methylene chloride	1	ug/L	U	1	OK	1
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	OK	1
Trip Blank	Chloroform	1	ug/L	U	1	OK	1
Trip Blank	Chloromethane	1	ug/L	U	1	OK	1
Trip Blank	Methylene chloride	1	ug/L	U	1	OK	1
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	OK	1
Trip Blank	Chloroform	1	ug/L	U	1	OK	1
Trip Blank	Chloromethane	1	ug/L	U	1	OK	1
Trip Blank	Methylene chloride	1	ug/L	U	1	OK	1
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	OK	1
Trip Blank	Chloroform	1	ug/L	U	1	OK	1
Trip Blank	Chloromethane	1	ug/L	U	1	OK	1
Trip Blank	Methylene chloride	1	ug/L	U	1	OK	1
MW-04	Carbon tetrachloride	1	ug/L		1	OK	1
MW-04	Chloride	10	mg/L		1	OK	10
MW-04	Chloroform	20	ug/L		1	OK	20
MW-04	Chloromethane	1	ug/L	U	1	OK	1
MW-04	Methylene chloride	1	ug/L	U	1	OK	1
MW-04	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-01	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-01	Chloride	10	mg/L		1	OK	10
TW4-01	Chloroform	10	ug/L		1	OK	10
TW4-01	Chloromethane	1	ug/L	U	1	OK	1
TW4-01	Methylene chloride	1	ug/L	U	1	OK	1
TW4-01	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-02	Carbon tetrachloride	1	ug/L		1	OK	1
TW4-02	Chloride	10	mg/L		1	OK	10
TW4-02	Chloroform	20	ug/L		1	OK	20
TW4-02	Chloromethane	1	ug/L	U	1	OK	1
TW4-02	Methylene chloride	1	ug/L	U	1	OK	1
TW4-02	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-03	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-03	Chloride	5	mg/L		1	OK	5
TW4-03	Chloroform	1	ug/L	U	1	OK	1
TW4-03	Chloromethane	1	ug/L	U	1	OK	1
TW4-03	Methylene chloride	1	ug/L	U	1	OK	1
TW4-03	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-03R	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-03R	Chloride	1	mg/L	U	1	OK	1
TW4-03R	Chloroform	1	ug/L	U	1	OK	1
TW4-03R	Chloromethane	1	ug/L	U	1	OK	1
TW4-03R	Methylene chloride	1	ug/L	U	1	OK	1
TW4-03R	Nitrate/Nitrite (as N)	0.1	mg/L	U	0.1	OK	1
TW4-04	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-04	Chloride	10	mg/L		1	OK	10
TW4-04	Chloroform	10	ug/L		1	OK	10
TW4-04	Chloromethane	1	ug/L	U	1	OK	1
TW4-04	Methylene chloride	1	ug/L	U	1	OK	1
TW4-04	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-05	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-05	Chloride	10	mg/L		1	OK	10

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	RL Check	DILUTION FACTOR
TW4-05	Chloroform	1	ug/L		1	OK	1
TW4-05	Chloromethane	1	ug/L	U	1	OK	1
TW4-05	Methylene chloride	1	ug/L	U	1	OK	1
TW4-05	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-05R	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-05R	Chloride	1	mg/L	U	1	OK	1
TW4-05R	Chloroform	1	ug/L	U	1	OK	1
TW4-05R	Chloromethane	1	ug/L	U	1	OK	1
TW4-05R	Methylene chloride	1	ug/L	U	1	OK	1
TW4-05R	Nitrate/Nitrite (as N)	0.1	mg/L	U	0.1	OK	1
TW4-06	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-06	Chloride	10	mg/L		1	OK	10
TW4-06	Chloroform	1	ug/L		1	OK	1
TW4-06	Chloromethane	1	ug/L	U	1	OK	1
TW4-06	Methylene chloride	1	ug/L	U	1	OK	1
TW4-06	Nitrate/Nitrite (as N)	0.1	mg/L		0.1	OK	1
TW4-07	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-07	Chloride	10	mg/L		1	OK	10
TW4-07	Chloroform	10	ug/L		1	OK	10
TW4-07	Chloromethane	1	ug/L	U	1	OK	1
TW4-07	Methylene chloride	1	ug/L	U	1	OK	1
TW4-07	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-08	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-08	Chloride	10	mg/L		1	OK	10
TW4-08	Chloroform	1	ug/L	U	1	OK	1
TW4-08	Chloromethane	1	ug/L	U	1	OK	1
TW4-08	Methylene chloride	1	ug/L	U	1	OK	1
TW4-08	Nitrate/Nitrite (as N)	0.1	mg/L	U	0.1	OK	1
TW4-09	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-09	Chloride	5	mg/L		1	OK	5
TW4-09	Chloroform	1	ug/L	U	1	OK	1
TW4-09	Chloromethane	1	ug/L	U	1	OK	1
TW4-09	Methylene chloride	1	ug/L	U	1	OK	1
TW4-09	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-10	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-10	Chloride	10	mg/L		1	OK	10
TW4-10	Chloroform	10	ug/L		1	OK	10
TW4-10	Chloromethane	1	ug/L	U	1	OK	1
TW4-10	Methylene chloride	1	ug/L	U	1	OK	1
TW4-10	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-11	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-11	Chloride	10	mg/L		1	OK	10
TW4-11	Chloroform	10	ug/L		1	OK	10
TW4-11	Chloromethane	1	ug/L	U	1	OK	1
TW4-11	Methylene chloride	1	ug/L	U	1	OK	1
TW4-11	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-12	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-12	Chloride	5	mg/L		1	OK	5
TW4-12	Chloroform	1	ug/L	U	1	OK	1
TW4-12	Chloromethane	1	ug/L	U	1	OK	1
TW4-12	Methylene chloride	1	ug/L	U	1	OK	1
TW4-12	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-13	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-13	Chloride	10	mg/L		1	OK	10

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	RL Check	DILUTION FACTOR
TW4-13	Chloroform	1	ug/L	U	1	OK	1
TW4-13	Chloromethane	1	ug/L	U	1	OK	1
TW4-13	Methylene chloride	1	ug/L	U	1	OK	1
TW4-13	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-14	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-14	Chloride	5	mg/L		1	OK	5
TW4-14	Chloroform	1	ug/L	U	1	OK	1
TW4-14	Chloromethane	1	ug/L	U	1	OK	1
TW4-14	Methylene chloride	1	ug/L	U	1	OK	1
TW4-14	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
MW-26	Carbon tetrachloride	1	ug/L	U	1	OK	1
MW-26	Chloride	10	mg/L		1	OK	10
MW-26	Chloroform	20	ug/L		1	OK	20
MW-26	Chloromethane	1	ug/L	U	1	OK	1
MW-26	Methylene chloride	1	ug/L		1	OK	1
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		0.1	OK	1
TW4-16	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-16	Chloride	10	mg/L		1	OK	10
TW4-16	Chloroform	1	ug/L	U	1	OK	1
TW4-16	Chloromethane	1	ug/L	U	1	OK	1
TW4-16	Methylene chloride	1	ug/L	U	1	OK	1
TW4-16	Nitrate/Nitrite (as N)	0.1	mg/L	U	0.1	OK	1
MW-32	Carbon tetrachloride	1	ug/L	U	1	OK	1
MW-32	Chloride	10	mg/L		1	OK	10
MW-32	Chloroform	1	ug/L	U	1	OK	1
MW-32	Chloromethane	1	ug/L	U	1	OK	1
MW-32	Methylene chloride	1	ug/L	U	1	OK	1
MW-32	Nitrate/Nitrite (as N)	0.1	mg/L	U	0.1	OK	1
TW4-18	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-18	Chloride	5	mg/L		1	OK	5
TW4-18	Chloroform	1	ug/L		1	OK	1
TW4-18	Chloromethane	1	ug/L	U	1	OK	1
TW4-18	Methylene chloride	1	ug/L	U	1	OK	1
TW4-18	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-19	Carbon tetrachloride	1	ug/L		1	OK	1
TW4-19	Chloride	50	mg/L		1	OK	50
TW4-19	Chloroform	50	ug/L		1	OK	50
TW4-19	Chloromethane	1	ug/L	U	1	OK	1
TW4-19	Methylene chloride	1	ug/L	U	1	OK	1
TW4-19	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-20	Carbon tetrachloride	1	ug/L		1	OK	1
TW4-20	Chloride	50	mg/L		1	OK	50
TW4-20	Chloroform	500	ug/L		1	OK	500
TW4-20	Chloromethane	1	ug/L	U	1	OK	1
TW4-20	Methylene chloride	1	ug/L		1	OK	1
TW4-20	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-21	Carbon tetrachloride	1	ug/L		1	OK	1
TW4-21	Chloride	50	mg/L		1	OK	50
TW4-21	Chloroform	1	ug/L		1	OK	1
TW4-21	Chloromethane	1	ug/L	U	1	OK	1
TW4-21	Methylene chloride	1	ug/L	U	1	OK	1
TW4-21	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-22	Carbon tetrachloride	1	ug/L		1	OK	1
TW4-22	Chloride	100	mg/L		1	OK	100

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	RL Check	DILUTION FACTOR
TW4-22	Chloroform	100	ug/L		1	OK	100
TW4-22	Chloromethane	1	ug/L	U	1	OK	1
TW4-22	Methylene chloride	1	ug/L	U	1	OK	1
TW4-22	Nitrate/Nitrite (as N)	10	mg/L		0.1	OK	100
TW4-23	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-23	Chloride	10	mg/L		1	OK	10
TW4-23	Chloroform	1	ug/L	U	1	OK	1
TW4-23	Chloromethane	1	ug/L	U	1	OK	1
TW4-23	Methylene chloride	1	ug/L	U	1	OK	1
TW4-23	Nitrate/Nitrite (as N)	0.1	mg/L	U	0.1	OK	1
TW4-24	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-24	Chloride	100	mg/L		1	OK	100
TW4-24	Chloroform	1	ug/L		1	OK	1
TW4-24	Chloromethane	1	ug/L	U	1	OK	1
TW4-24	Methylene chloride	1	ug/L	U	1	OK	1
TW4-24	Nitrate/Nitrite (as N)	10	mg/L		0.1	OK	100
TW4-25	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-25	Chloride	50	mg/L		1	OK	50
TW4-25	Chloroform	1	ug/L	U	1	OK	1
TW4-25	Chloromethane	1	ug/L	U	1	OK	1
TW4-25	Methylene chloride	1	ug/L	U	1	OK	1
TW4-25	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-26	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-26	Chloride	5	mg/L		1	OK	5
TW4-26	Chloroform	1	ug/L		1	OK	1
TW4-26	Chloromethane	1	ug/L	U	1	OK	1
TW4-26	Methylene chloride	1	ug/L	U	1	OK	1
TW4-26	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-27	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-27	Chloride	5	mg/L		1	OK	5
TW4-27	Chloroform	1	ug/L	U	1	OK	1
TW4-27	Chloromethane	1	ug/L	U	1	OK	1
TW4-27	Methylene chloride	1	ug/L	U	1	OK	1
TW4-27	Nitrate/Nitrite (as N)	10	mg/L		0.1	OK	100
TW4-28	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-28	Chloride	10	mg/L		1	OK	10
TW4-28	Chloroform	1	ug/L	U	1	OK	1
TW4-28	Chloromethane	1	ug/L	U	1	OK	1
TW4-28	Methylene chloride	1	ug/L	U	1	OK	1
TW4-28	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-29	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-29	Chloride	10	mg/L		1	OK	10
TW4-29	Chloroform	1	ug/L	U	1	OK	1
TW4-29	Chloromethane	1	ug/L	U	1	OK	1
TW4-29	Methylene chloride	1	ug/L	U	1	OK	1
TW4-29	Nitrate/Nitrite (as N)	5	mg/L		0.1	OK	50
TW4-29	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-29	Chloride	5	mg/L		1	OK	5
TW4-29	Chloroform	10	ug/L		1	OK	10
TW4-29	Chloromethane	1	ug/L	U	1	OK	1
TW4-29	Methylene chloride	1	ug/L	U	1	OK	1
TW4-29	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-30	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-30	Chloride	5	mg/L		1	OK	5

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	RL Check	DILUTION FACTOR
TW4-30	Chloroform	1	ug/L	U	1	OK	1
TW4-30	Chloromethane	1	ug/L	U	1	OK	1
TW4-30	Methylene chloride	1	ug/L	U	1	OK	1
TW4-30	Nitrate/Nitrite (as N)	0.1	mg/L		0.1	OK	1
TW4-31	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-31	Chloride	5	mg/L		1	OK	5
TW4-31	Chloroform	1	ug/L	U	1	OK	1
TW4-31	Chloromethane	1	ug/L	U	1	OK	1
TW4-31	Methylene chloride	1	ug/L	U	1	OK	1
TW4-31	Nitrate/Nitrite (as N)	0.1	mg/L		0.1	OK	1
TW4-60	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-60	Chloride	1	mg/L	U	1	OK	1
TW4-60	Chloroform	1	ug/L	U	1	OK	1
TW4-60	Chloromethane	1	ug/L	U	1	OK	1
TW4-60	Methylene chloride	1	ug/L	U	1	OK	1
TW4-60	Nitrate/Nitrite (as N)	0.1	mg/L	U	0.1	OK	1
TW4-65	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-65	Chloride	10	mg/L		1	OK	10
TW4-65	Chloroform	1	ug/L	U	1	OK	1
TW4-65	Chloromethane	1	ug/L	U	1	OK	1
TW4-65	Methylene chloride	1	ug/L	U	1	OK	1
TW4-65	Nitrate/Nitrite (as N)	1	mg/L		0.1	OK	10
TW4-70	Carbon tetrachloride	1	ug/L	U	1	OK	1
TW4-70	Chloride	5	mg/L		1	OK	5
TW4-70	Chloroform	1	ug/L	U	1	OK	1
TW4-70	Chloromethane	1	ug/L	U	1	OK	1
TW4-70	Methylene chloride	1	ug/L	U	1	OK	1
TW4-70	Nitrate/Nitrite (as N)	0.1	mg/L	U	0.1	OK	1

U = The value was reported by the laboratory as nondetect

I-6 Trip Blank Evaluation

Lab Report	Constituent	Result
1308555	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L
1309103	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L
1309255	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L
1309526	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L

I-7 QA/QC Evaluation for Sample Duplicates

Constituent	TW4-03	TW4-65	%RPD
Chloride (mg/L)	24	24.2	1
Nitrate + Nitrite (as N)	6.26	5.98	5
Carbon Tetrachloride	ND	ND	NC
Chloroform	ND	ND	NC
Chloromethane	ND	ND	NC
Dichloromethane (Methylene Chloride)	ND	ND	NC

Constituent	TW4-08	TW4-70	%RPD
Chloride (mg/L)	47.5	47.7	0.42
Nitrate + Nitrite (as N)	ND	ND	NC
Carbon Tetrachloride	ND	ND	NC
Chloroform	ND	ND	NC
Chloromethane	ND	ND	NC
Dichloromethane (Methylene Chloride)	ND	ND	NC

RPD = Relative Percent Difference

I-8 QC Control Limits for Analysis and Blanks

Method Blank Detections

All Method Blanks for the quarter were non-detect.

Matrix Spike % Recovery Comparison

Lab Report	Lab Sample ID	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD
1308555	1308555-004BMS	TW4-14	Nitrate	130	119	90 - 110	6.57
1309255	1309255-005BMS	TW4-07	Nitrate	120	115	90 - 110	3.32
1309526	1309526-001BMS	TW4-29	Nitrate	125	139	90 - 110	7.80

Laboratory Control Sample

All Laboratory Control Samples were within acceptance limits for the quarter.

Surrogate % Recovery

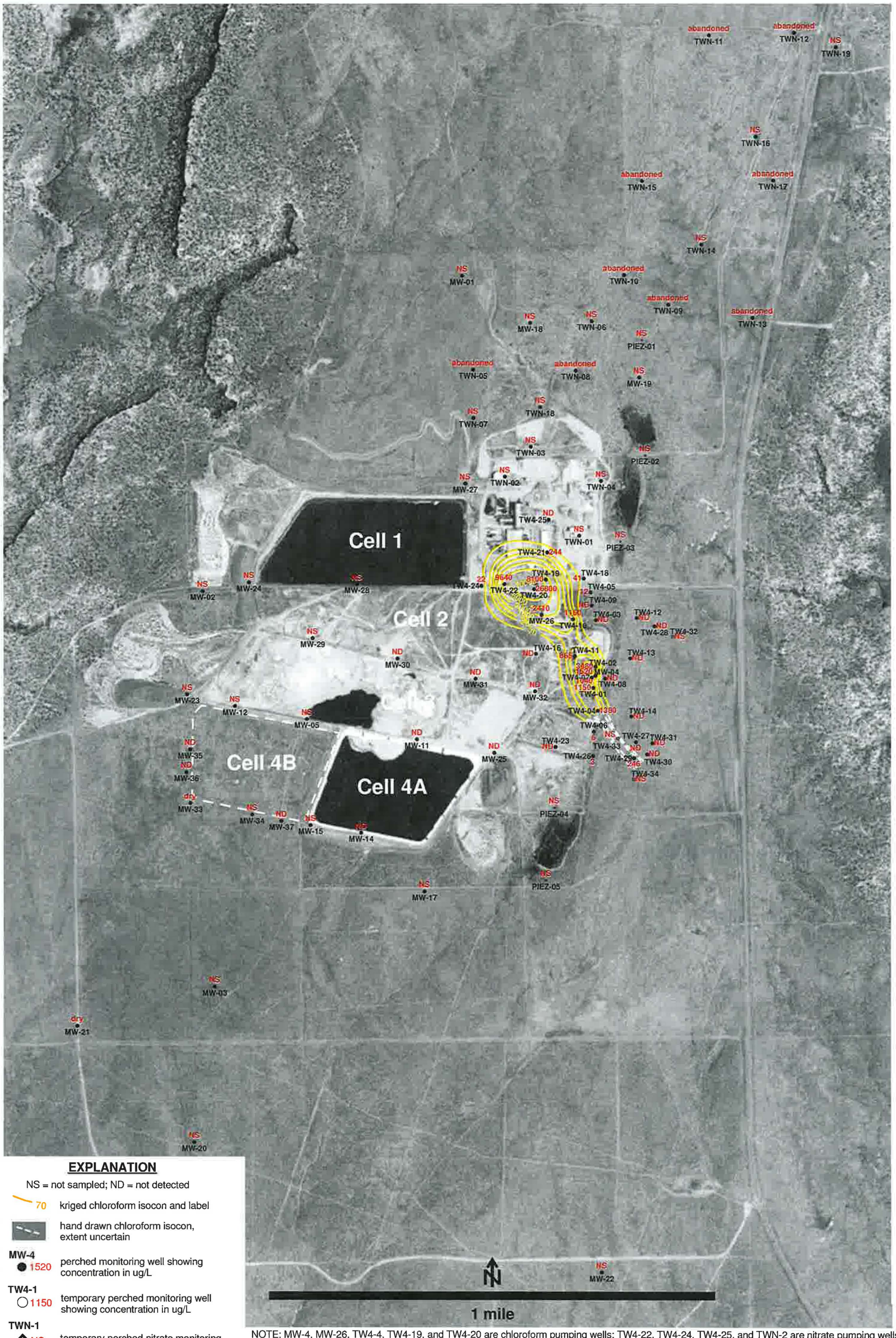
All Surrogate recoveries were within acceptance limits for the quarter.

I-9 Rinsate Evaluation

All rinsate samples for the quarter were non-detect.

Tab J

Kriged Current Quarter Chloroform Isoconcentration Map



EXPLANATION

NS = not sampled; ND = not detected

- 70 — kriged chloroform isocon and label
- hand drawn chloroform isocon, extent uncertain
- MW-4 ● 1520 — perched monitoring well showing concentration in ug/L
- TW4-1 ○ 1150 — temporary perched monitoring well showing concentration in ug/L
- TWN-1 ◇ NS — temporary perched nitrate monitoring well (not sampled)
- PIEZ-1 ◒ NS — perched piezometer (not sampled)
- TW4-32 ☼ NS — temporary perched monitoring well installed September, 2013 (not sampled)

NOTE: MW-4, MW-26, TW4-4, TW4-19, and TW4-20 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells

HYDRO GEO CHEM, INC.

KRIGED 3rd QUARTER, 2013 CHLOROFORM (ug/L) WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov13/Uchl0913h.srf	J-1

Tab K

Analyte Concentrations Over Time

MW-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
28-Sep-99	6200					
28-Sep-99	5820					
28-Sep-99	6020					
15-Mar-00	5520					
15-Mar-00	5430					
2-Sep-00	5420				9.63	
30-Nov-00	6470				9.37	
29-Mar-01	4360				8.77	
22-Jun-01	6300				9.02	
20-Sep-01	5300				9.45	
8-Nov-01	5200				8	
26-Mar-02	4700				8.19	
22-May-02	4300				8.21	
12-Sep-02	6000				8.45	
24-Nov-02	2500				8.1	
28-Mar-03	2000				8.3	
30-Apr-03	3300				NA	
30-May-03	3400				8.2	
23-Jun-03	4300				8.2	
30-Jul-03	3600				8.1	
29-Aug-03	4100				8.4	
12-Sep-03	3500				8.5	
15-Oct-03	3800				8.1	
8-Nov-03	3800				8	
29-Mar-04	NA				NA	
22-Jun-04	NA				NA	
17-Sep-04	3300				6.71	
17-Nov-04	4300				7.5	
16-Mar-05	2900				6.3	
25-May-05	3170	NA	NA	NA	7.1	NA
31-Aug-05	3500	<10	<10	<10	7.0	NA
1-Dec-05	3000	<50	<50	<50	7.0	NA
9-Mar-06	3100	<50	<50	50	6	49
14-Jun-06	3000	<50	<50	50	6	49
20-Jul-06	2820	<50	<50	<50	1.2	48
9-Nov-06	2830	2.1	1.4	<1	6.4	50
28-Feb-07	2300	1.6	<1	<1	6.3	47
27-Jun-07	2000	1.8	<1	<1	7	45
15-Aug-07	2600	1.9	<1	<1	6.2	47
10-Oct-07	2300	1.7	<1	<1	6.2	45
26-Mar-08	2400	1.7	<1	<1	5.8	42
25-Jun-08	2500	1.6	<1	<1	6.09	42
10-Sep-08	1800	1.8	<1	<1	6.36	35
15-Oct-08	2100	1.7	<1	<1	5.86	45
4-Mar-09	2200	1.5	<1	<1	5.7	37

MW-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
23-Jun-09	1800	1.3	<1	<1	5.2	34
14-Sep-09	2000	1.4	<1	<1	5.3	43
14-Dec-09	1800	1.6	ND	ND	5.8	44
17-Feb-10	1600	1.2	ND	ND	4	45
14-Jun-10	2100	1.2	ND	ND	5.1	41
16-Aug-10	1900	1.5	ND	ND	4.8	38
11-Oct-10	1500	1.4	ND	ND	4.9	41
23-Feb-11	1700	1.5	ND	ND	4.6	40
1-Jun-11	1700	1.4	ND	ND	4.9	35
17-Aug-11	1700	1.1	ND	ND	4.9	41
16-Nov-11	1600	1.3	ND	ND	5.1	40
23-Jan-12	1500	1	ND	ND	4.8	41
6-Jun-12	1400	1.2	ND	ND	4.9	39
4-Sep-12	1500	1.5	ND	ND	5	41
4-Oct-12	1300	1	ND	ND	4.8	42
11-Feb-13	1670	1.49	ND	ND	4.78	37.8
5-Jun-13	1490	1.31	ND	ND	4.22	44
3-Sep-13	1520	1.13	ND	ND	4.89	41.4

TW4-1	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
28-Jun-99	1700				7.2	
10-Nov-99	5.8					
15-Mar-00	1100					
10-Apr-00	1490					
6-Jun-00	1530					
2-Sep-00	2320				5.58	
30-Nov-00	3440				7.79	
29-Mar-01	2340				7.15	
22-Jun-01	6000				8.81	
20-Sep-01					12.8	
8-Nov-01	3200				12.4	
26-Mar-02	3200				13.1	
22-May-02	2800				12.7	
12-Sep-02	3300				12.8	
24-Nov-02	3500				13.6	
28-Mar-03	3000				12.4	
23-Jun-03	3600				12.5	
12-Sep-03	2700				12.5	
8-Nov-03	3400				11.8	
29-Mar-04	3200				11	
22-Jun-04	3100				8.78	
17-Sep-04	2800				10.8	
17-Nov-04	3000				11.1	
16-Mar-05	2700				9.1	
25-May-05	3080	NA	NA	NA	10.6	NA
31-Aug-05	2900	<10	<10	<10	9.8	NA
1-Dec-05	2400	<50	<50	<50	9.7	NA
9-Mar-06	2700	<50	<50	<50	9.4	49
14-Jun-06	2200	<50	<50	<50	9.8	48
20-Jul-06	2840	<50	<50	<50	9.7	51
8-Nov-06	2260	1.4	<1	<1	9.4	47
28-Feb-07	1900	1.2	<1	<1	8.9	47
27-Jun-07	1900	1.4	<1	<1	9	45
15-Aug-07	2300	1.3	<1	<1	8.4	43
10-Oct-07	2000	1.3	<1	<1	7.8	43
26-Mar-08	2000	1.3	<1	<1	7.6	39
25-Jun-08	1900	1.1	<1	<1	8.68	39
10-Sep-08	1700	1.3	<1	<1	8.15	35
15-Oct-08	1700	1.3	<1	<1	9.3	41

TW4-1	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
11-Mar-09	1700	1.1	<1	<1	7.5	37
24-Jun-09	1500	1	<1	<1	6.9	37
15-Sep-09	1700	<1	<1	<1	7.3	36
29-Dec-09	1400	<1	<1	<1	6.8	41
3-Mar-10	1300	<1	<1	<1	7.1	35
15-Jun-10	1600	1.2	<1	<1	6.8	40
24-Aug-10	1500	<1	<1	<1	6.8	35
14-Oct-10	1500	<1	<1	<1	6.6	40
24-Feb-11	1300	ND	ND	ND	6.6	41
1-Jun-11	1200	ND	ND	ND	7	35
18-Aug-11	1300	ND	ND	ND	6.8	36
29-Nov-11	1300	ND	ND	ND	6.6	37
19-Jan-12	1300	ND	ND	ND	6.8	38
14-Jun-12	1000	ND	ND	ND	7.1	42
13-Sep-12	1000	ND	ND	ND	5	39
4-Oct-12	1100	ND	ND	ND	6.5	40
13-Feb-13	1320	3.66	ND	ND	6.99	37.6
19-Jun-13	1100	ND	ND	ND	6.87	39.1
12-Sep-13	1150	ND	ND	ND	7.12	37.6

TW4-2	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
10-Nov-99	2510					
2-Sep-00	5220					
28-Nov-00	4220				10.7	
29-Mar-01	3890				10.2	
22-Jun-01	5500				9.67	
20-Sep-01	4900				11.4	
8-Nov-01	5300				10.1	
26-Mar-02	5100				9.98	
23-May-02	4700				9.78	
12-Sep-02	6000				9.44	
24-Nov-02	5400				10.4	
28-Mar-03	4700				9.5	
23-Jun-03	5100				9.6	
12-Sep-03	3200				8.6	
8-Nov-03	4700				9.7	
29-Mar-04	4200				9.14	
22-Jun-04	4300				8.22	
17-Sep-04	4100				8.4	
17-Nov-04	4500				8.6	
16-Mar-05	3700				7.7	
25-May-05	3750				8.6	
31-Aug-05	3900	<10	<10	<10	8	NA
1-Dec-05	3500	<50	<50	<50	7.8	NA
9-Mar-06	3800	<50	<50	<50	7.5	56
14-Jun-06	3200	<50	<50	<50	7.1	56
20-Jul-06	4120	<50	<50	<50	7.4	54
8-Nov-06	3420	2.3	<1	<1	7.6	55
28-Feb-07	2900	1.8	<1	<1	7.3	54
27-Jun-07	3000	2.5	<1	<1	7.8	50
15-Aug-07	340	2.2	<1	<1	7.3	49
10-Oct-07	3200	2.1	<1	<1	6.9	51
26-Mar-08	3300	2.3	<1	<1	6.9	48
25-Jun-08	3100	2.2	<1	<1	7.44	46
10-Sep-08	2800	2.4	<1	<1	7.1	42
15-Oct-08	3200	2.4	<2	<2	7.99	47
11-Mar-09	3100	2.2	<1	<1	6.5	46
24-Jun-09	2800	2	<1	<1	6.4	44
15-Sep-09	3000	2	<1	<1	6.6	43
29-Dec-09	1600	2	<1	<1	6.4	46

TW4-2	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
3-Mar-10	2600	2	<1	<1	6.8	42
15-Jun-10	3300	2.6	<1	<1	6.7	43
16-Aug-10	3300	2.5	<1	<1	6.6	43
14-Oct-10	3000	2.1	<1	<1	6.5	41
24-Feb-11	3100	2.4	ND	ND	7	46
2-Jun-11	3000	2.2	ND	ND	6.8	42
17-Aug-11	2400	1.6	ND	ND	6	48
29-Nov-11	3900	2.8	ND	ND	7	49
24-Jan-12	2500	2	ND	ND	7.1	49
14-Jun-12	2500	2.1	ND	ND	7.7	52
13-Sep-12	2900	1.8	ND	ND	4	76
4-Oct-12	3100	2	ND	ND	7.6	49
13-Feb-13	3580	5.17	ND	ND	8.1	46
19-Jun-13	3110	2.65	ND	ND	7.51	46.9
12-Sep-13	3480	2.41	ND	ND	9.3	44.9

TW4-3	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
28-Jun-99	3500				7.6	
29-Nov-99	702					
15-Mar-00	834					
2-Sep-00	836				1.56	
29-Nov-00	836				1.97	
27-Mar-01	347				1.85	
21-Jun-01	390				2.61	
20-Sep-01	300				3.06	
7-Nov-01	170				3.6	
26-Mar-02	11				3.87	
21-May-02	204				4.34	
12-Sep-02	203				4.32	
24-Nov-02	102				4.9	
28-Mar-03	0				4.6	
23-Jun-03	0				4.8	
12-Sep-03	0				4.3	
8-Nov-03	0				4.8	
29-Mar-04	0				4.48	
22-Jun-04	0				3.68	
17-Sep-04	0				3.88	
17-Nov-04	0				4.1	
16-Mar-05	0				3.5	
25-May-05	<1	NA	NA	NA	3.7	NA
31-Aug-05	<1	<1	6.4	<1	3.5	NA
1-Dec-05	<1	<1	2.3	<1	3.3	NA
9-Mar-06	<1	<1	2.2	<1	3.3	26
14-Jun-06	<1	<1	<1	<1	3.2	26
20-Jul-06	<1	<1	1.6	<1	2.9	26
8-Nov-06	<1	<1	<1	<1	1.5	23
28-Feb-07	<1	<1	<1	<1	3.1	22
27-Jun-07	<1	<1	<1	<1	3.3	23
15-Aug-07	<1	<1	<1	<1	3.1	24
10-Oct-07	<1	<1	<1	<1	2.8	27
26-Mar-08	<1	<1	<1	<1	2.8	21
25-Jun-08	<1	<1	<1	<1	2.85	19
10-Sep-08	<1	<1	<1	<1	2.66	19
15-Oct-08	<1	<1	<1	<1	2.63	22
4-Mar-09	<1	<1	<1	<1	2.5	21
24-Jun-09	<1	<1	<1	<1	2.9	20

TW4-3	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
15-Sep-09	<1	<1	<1	<1	2.8	21
16-Dec-09	<1	<1	<1	<1	2.5	22
23-Feb-10	<1	<1	<1	<1	2.8	23
8-Jun-10	<1	<1	<1	<1	3	24
10-Aug-10	<1	<1	<1	<1	3.1	22
5-Oct-10	<1	<1	<1	<1	3.3	26
15-Feb-11	ND	ND	ND	ND	3.5	23
25-May-11	ND	ND	ND	ND	3.7	23
16-Aug-11	ND	ND	ND	ND	4	23
15-Nov-11	ND	ND	ND	ND	4.4	23
17-Jan-12	ND	ND	ND	ND	4.3	21
31-May-12	ND	ND	ND	ND	4.4	24
29-Aug-12	ND	ND	ND	ND	4.9	25
3-Oct-12	ND	ND	ND	ND	4.8	25
7-Feb-13	ND	ND	ND	ND	5.05	23.7
29-May-13	ND	ND	ND	ND	5.83	23.8
29-Aug-13	ND	ND	ND	ND	6.26	24.0

TW4-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
6-Jun-00	0					
2-Sep-00	0					
28-Nov-00	3.9					
28-Mar-01	2260				1.02	
20-Jun-01	3100				14.5	
20-Sep-01	3200				14	
8-Nov-01	2900				14.8	
26-Mar-02	3400				15	
22-May-02	3200				13.2	
12-Sep-02	4000				13.4	
24-Nov-02	3800				12.6	
28-Mar-03	3300				13.4	
23-Jun-03	3600				12.8	
12-Sep-03	2900				12.3	
8-Nov-03	3500				12.3	
29-Mar-04	3200				12.2	
22-Jun-04	3500				12.1	
17-Sep-04	3100				11.1	
17-Nov-04	3600				10.8	
16-Mar-05	3100				11.6	
25-May-05	2400	NA	NA	NA	11.3	NA
31-Aug-05	3200	<10	<10	<10	9.9	NA
1-Dec-05	2800	<50	<50	<50	10.2	NA
9-Mar-06	2900	<50	<50	<50	9.5	51
14-Jun-06	2600	<50	<50	<50	8.6	48
20-Jul-06	2850	<50	<50	<50	9.7	50
8-Nov-06	2670	1.7	<1	<1	10.1	49
28-Feb-07	2200	1.5	<1	<1	9	49
27-Jun-07	2400	1.7	<1	<1	9.4	47
15-Aug-07	2700	1.5	<1	<1	9.5	45
10-Oct-07	2500	1.5	<1	<1	9.5	47
26-Mar-08	2800	1.6	<1	<1	9.2	43
25-Jun-08	2500	1.5	<1	<1	10.8	42
10-Sep-08	2200	1.4	<1	<1	8.83	39
15-Oct-08	2500	2	<2	<2	10.1	44
4-Mar-09	2200	1.2	<1	<1	10.2	37
24-Jun-09	1800	1.2	<1	<1	8.2	34
15-Sep-09	2000	1.1	<1	<1	8.4	39
29-Dec-09	950	1.1	<1	<1	7.6	41

TW4-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
17-Feb-10	1700	1	<1	<1	6.6	48
10-Jun-10	2000	1.2	<1	<1	7.6	35
16-Aug-10	2100	1.3	<1	<1	7.3	36
11-Oct-10	1700	1.3	<1	<1	7.1	38
23-Feb-11	1800	1.4	ND	ND	7	41
1-Jun-11	1700	1.2	ND	ND	7	35
17-Aug-11	1500	ND	ND	ND	6.6	40
16-Nov-11	1500	1	ND	ND	7	39
23-Jan-12	1200	ND	ND	ND	7.1	38
6-Jun-12	1500	ND	ND	ND	7.1	43
4-Sep-12	1600	1.2	ND	ND	7.1	39
3-Oct-12	1400	1	ND	ND	7	38
11-Feb-13	1460	1.12	ND	ND	7.36	39
5-Jun-13	1330	ND	ND	ND	6.3	39.6
3-Sep-13	1380	ND	ND	ND	7.22	38.8

TW4-5	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
20-Dec-99	29.5					
15-Mar-00	49.0					
2-Sep-00	124					
29-Nov-00	255					
28-Mar-01	236					
20-Jun-01	240					
20-Sep-01	240					
7-Nov-01	260					
26-Mar-02	260					
22-May-02	300					
12-Sep-02	330					
24-Nov-02	260					
28-Mar-03	240					
23-Jun-03	290					
12-Sep-03	200					
8-Nov-03	240					
29-Mar-04	210					
22-Jun-04	200					
17-Sep-04	150					
17-Nov-04	180					
16-Mar-05	120					
25-May-05	113	NA	NA	NA	3.7	NA
31-Aug-05	82.0	<2.5	5.8	<2.5	6	NA
1-Dec-05	63.0	<2.5	2.5	<2.5	6	NA
9-Mar-06	66.0	<2.5	3.1	<2.5	6	52
14-Jun-06	51.0	<1	<2.5	<2.5	5.9	51
20-Jul-06	53.7	<1	<1	<1	6.7	54
8-Nov-06	47.1	<1	<1	<1	2.9	55
28-Feb-07	33.0	<1	<1	<1	7.8	57
27-Jun-07	26.0	<1	<1	<1	7	45
15-Aug-07	9.2	<1	<1	<1	7.7	38
10-Oct-07	9.4	<1	<1	<1	8.2	39
26-Mar-08	11.0	<1	<1	<1	7.4	36
25-Jun-08	9.3	<1	<1	<1	8.7	37
10-Sep-08	11.0	<1	<1	<1	7.91	34
15-Oct-08	10.0	<1	<1	<1	9.3	37
4-Mar-09	12.0	<1	<1	<1	7.9	34
24-Jun-09	13.0	<1	<1	<1	7.5	37
15-Sep-09	12.0	<1	<1	<1	8.3	48

TW4-5	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
22-Dec-09	8.5	<1	<1	<1	7.5	41
25-Feb-10	13.0	<1	<1	<1	6.8	43
9-Jun-10	12.0	<1	<1	<1	7.1	28
11-Aug-10	12.0	<1	<1	<1	7	38
13-Oct-10	11.0	<1	<1	<1	7.2	41
22-Feb-11	10.0	ND	ND	ND	7	34
26-May-11	9.0	ND	ND	ND	7.2	35
17-Aug-11	10.0	ND	ND	ND	7.5	37
7-Dec-11	7.9	ND	ND	ND	6	30
18-Jan-12	7.6	ND	ND	ND	5.8	22
6-Jun-12	8.4	ND	ND	ND	8	39
11-Sep-12	12.0	ND	ND	ND	8.1	37
3-Oct-12	8.0	ND	ND	ND	7.7	38
13-Feb-13	10.8	ND	ND	ND	8.24	34.3
13-Jun-13	11.2	ND	ND	ND	10.7	36.5
5-Sep-13	11.6	ND	ND	ND	7.79	39.1

TW4-6	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
6-Jun-00	0					
2-Sep-00	0					
28-Nov-00	0				ND	
26-Mar-01	0				0.13	
20-Jun-01	0				ND	
20-Sep-01	4				ND	
7-Nov-01	1				ND	
26-Mar-02	0				ND	
21-May-02	0				ND	
12-Sep-02	0				ND	
24-Nov-02	0				ND	
28-Mar-03	0				0.1	
23-Jun-03	0				ND	
12-Sep-03	0				ND	
8-Nov-03	0				ND	
29-Mar-04	0				ND	
22-Jun-04	0				ND	
17-Sep-04	0				ND	
17-Nov-04	0				ND	
16-Mar-05	0				0.2	
25-May-05	2.5	NA	NA	NA	0.4	NA
31-Aug-05	10.0	<1	2.8	<1	0.8	NA
1-Dec-05	17.0	<1	1.3	<1	0.9	NA
9-Mar-06	31.0	<1	<1	<1	1.2	31
14-Jun-06	19.0	<1	<1	<1	1	30
20-Jul-06	11.0	<1	<1	<1	0.6	37
8-Nov-06	42.8	<1	<1	<1	1.4	65
28-Feb-07	46.0	<1	<1	<1	1.5	32
27-Jun-07	11.0	<1	<1	<1	0.6	38
15-Aug-07	18.0	<1	<1	<1	0.7	36
10-Oct-07	18.0	<1	<1	<1	0.8	38
26-Mar-08	52.0	<1	<1	<1	1.1	33
25-Jun-08	24.0	<1	<1	<1	0.9	35
10-Sep-08	39.0	<1	<1	<1	1.14	35
15-Oct-08	37.0	<1	<1	<1	1.01	33
11-Mar-09	81.0	<1	<1	<1	2.2	35
24-Jun-09	120	<1	<1	<1	2.7	37
15-Sep-09	280	<1	<1	<1	5.0	37
22-Dec-09	250	<1	<1	<1	6.1	41
25-Feb-10	1000	<1	<1	<1	1.6	45
10-Jun-10	590	<1	<1	<1	2.5	33
12-Aug-10	630	<1	<1	<1	3.9	31
13-Oct-10	420	<1	<1	<1	4.3	41
23-Feb-11	47	ND	ND	ND	0.7	40

TW4-6	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
26-May-11	10	ND	ND	ND	0.3	42
17-Aug-11	16	ND	ND	ND	0.3	39
7-Dec-11	21	ND	ND	ND	0.8	36
18-Jan-12	38	ND	ND	ND	0.7	38
13-Jun-12	4.7	ND	ND	ND	0.2	40
11-Sep-12	6.9	ND	ND	ND	0.1	21
3-Oct-12	9.0	ND	ND	ND	0.2	41
13-Feb-13	6.9	ND	ND	ND	0.154	40.4
13-Jun-13	4.9	ND	ND	ND	0.155	37.9
5-Sep-13	5.9	ND	ND	ND	0.157	40.6

TW4-7	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Nov-99	256					
15-Mar-00	616					
2-Sep-00	698					
29-Nov-00	684				1.99	
28-Mar-01	747				2.46	
20-Jun-01	1100				2.65	
20-Sep-01	1200				3.38	
8-Nov-01	1100				2.5	
26-Mar-02	1500				3.76	
23-May-02	1600				3.89	
12-Sep-02	1500				3.18	
24-Nov-02	2300				4.6	
28-Mar-03	1800				4.8	
23-Jun-03	5200				7.6	
12-Sep-03	3600				7.6	
8-Nov-03	4500				7.1	
29-Mar-04	2500				4.63	
22-Jun-04	2900				4.83	
17-Sep-04	3100				5.59	
17-Nov-04	3800				6	
16-Mar-05	3100				5.2	
25-May-05	2700	NA	NA	NA	5.4	NA
31-Aug-05	3100	<10	<10	<10	5.2	NA
1-Dec-05	2500	<50	<50	<50	5.3	NA
9-Mar-06	1900	<50	<50	<50	1	48
14-Jun-06	2200	<50	<50	<50	4.5	47
20-Jul-06	2140	<50	<50	<50	4.7	51
8-Nov-06	2160	1.5	<1	<1	4.6	49
28-Feb-07	1800	1.1	<1	<1	5	47
27-Jun-07	2600	1.5	<1	<1	5.1	45
14-Aug-07	2300	1.4	<1	<1	4.7	44
10-Oct-07	1900	1.2	<1	<1	4.7	45
26-Mar-08	2200	1.3	<1	<1	4.2	43
25-Jun-08	1800	1.3	<1	<1	4.8	43
10-Sep-08	1600	1.4	<1	<1	4.16	35
15-Oct-08	1900	<2	<2	<2	4.01	40
11-Mar-09	1800	1.2	<1	<1	3.7	35
24-Jun-09	1400	<1	<1	<1	3.8	37
15-Sep-09	1500	1.0	<1	<1	4.1	37

TW4-7	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Dec-09	1300	<1	<1	<1	4.2	37
3-Mar-10	1200	<1	<1	<1	3.8	36
10-Jun-10	1100	<1	<1	<1	3.9	31
18-Aug-10	1500	1.1	<1	<1	3.9	36
13-Oct-10	1100	1.1	<1	<1	4	38
23-Feb-11	1300	ND	ND	ND	3.6	45
1-Jun-11	1200	ND	ND	ND	4	35
18-Aug-11	1200	ND	ND	ND	4.1	37
29-Nov-11	1000	ND	ND	ND	3.8	37
19-Jan-12	1000	ND	ND	ND	3.9	37
14-Jun-12	790	ND	ND	ND	4	41
13-Sep-12	870	ND	ND	ND	3.8	40
4-Oct-12	940	ND	ND	ND	3.8	41
13-Feb-13	1080	3.51	ND	ND	3.9	37.7
18-Jun-13	953	ND	ND	ND	4.04	39.3
12-Sep-13	1040	ND	ND	ND	4.17	36.4

TW4-8	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Nov-99	0					
15-Mar-00	21.8					
2-Sep-00	102					
29-Nov-00	107				ND	
26-Mar-01	116				ND	
20-Jun-01	180				ND	
20-Sep-01	180				0.35	
7-Nov-01	180				ND	
26-Mar-02	190				0.62	
22-May-02	210				0.77	
12-Sep-02	300				ND	
24-Nov-02	450				ND	
28-Mar-03	320				0.8	
23-Jun-03	420				ND	
12-Sep-03	66.0				ND	
8-Nov-03	21.0				0.1	
29-Mar-04	24.0				0.65	
22-Jun-04	110				0.52	
17-Sep-04	120				ND	
17-Nov-04	120				ND	
16-Mar-05	10.0				ND	
25-May-05	<1	NA	NA	NA	0.2	NA
31-Aug-05	1.1	<1	1.7	<1	<0.1	NA
30-Nov-05	<1	<1	<1	<1	<0.1	NA
9-Mar-06	1.3	<1	2.1	<1	0.3	39
14-Jun-06	1.0	<1	1.8	<1	<0.1	37
20-Jul-06	<1	<1	<1	<1	0.1	39
8-Nov-06	<1	<1	<1	<1	<0.1	40
28-Feb-07	2.5	<1	<1	<1	0.7	39
27-Jun-07	2.5	<1	<1	<1	0.2	42
15-Aug-07	1.5	<1	<1	<1	<0.1	42
10-Oct-07	3.5	<1	<1	<1	0.5	43
26-Mar-08	<1	<1	<1	<1	0.1	46
25-Jun-08	<1	<1	<1	<1	<0.05	45
10-Sep-08	<1	<1	<1	<1	<0.05	39
15-Oct-08	<1	<1	<1	<1	<0.05	44
4-Mar-09	<1	<1	<1	<1	<0.1	42
24-Jun-09	<1	<1	<1	<1	<0.1	44
15-Sep-09	<1	<1	<1	<1	<1	44

TW4-8	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
17-Dec-09	<1	<1	<1	<1	<0.1	51
24-Feb-10	<1	<1	<1	<1	<0.1	57
9-Jun-10	<1	<1	<1	<1	<0.1	42
11-Aug-10	<1	<1	<1	<1	<0.1	45
5-Oct-10	<1	<1	<1	<1	<0.1	46
16-Feb-11	ND	ND	ND	ND	ND	52
25-May-11	ND	ND	ND	ND	0.1	45
16-Aug-11	ND	ND	ND	ND	0.1	46
7-Dec-11	ND	ND	ND	ND	0.2	45
18-Jan-12	ND	ND	ND	ND	0.3	45
31-May-12	ND	ND	ND	ND	0.2	44
29-Aug-12	ND	ND	ND	ND	0.1	48
3-Oct-12	ND	ND	ND	ND	ND	47
7-Feb-13	ND	ND	ND	ND	0.411	46.6
30-May-13	ND	ND	ND	ND	ND	45.5
5-Sep-13	ND	ND	ND	ND	ND	47.5

TW4-9	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
20-Dec-99	4.2					
15-Mar-00	1.9					
2-Sep-00	14.2					
29-Nov-00	39.4				ND	
27-Mar-01	43.6				ND	
20-Jun-01	59.0				0.15	
20-Sep-01	19.0				0.4	
7-Nov-01	49.0				0.1	
26-Mar-02	41.0				0.5	
22-May-02	38.0				0.65	
12-Sep-02	49.0				0.2	
24-Nov-02	51.0				0.6	
28-Mar-03	34.0				0.6	
23-Jun-03	33.0				0.8	
12-Sep-03	32.0				1.1	
8-Nov-03	46.0				1.1	
29-Mar-04	48.0				0.82	
22-Jun-04	48.0				0.75	
17-Sep-04	39.0				0.81	
17-Nov-04	26.0				1.2	
16-Mar-05	3.8				1.3	
25-May-05	1.2	NA	NA	NA	1.3	NA
31-Aug-05	<1	<1	2.9	<1	1.3	NA
1-Dec-05	<1	<1	<1	<1	1.3	NA
9-Mar-06	<1	<1	2.6	<1	1.5	38
14-Jun-06	<1	<1	2.7	<1	1.5	39
20-Jul-06	<1	<1	<1	<1	0.9	41
8-Nov-06	<1	<1	<1	<1	0.7	44
28-Feb-07	<1	<1	<1	<1	0.6	44
27-Jun-07	21	<1	<1	<1	1.3	42
15-Aug-07	9.5	<1	<1	<1	1.8	38
10-Oct-07	8.7	<1	<1	<1	2	40
26-Mar-08	1.3	<1	<1	<1	2.1	35
25-Jun-08	1.0	<1	<1	<1	2.3	35
10-Sep-08	<1	<1	<1	<1	2.79	28
15-Oct-08	<1	<1	<1	<1	1.99	58
4-Mar-09	<1	<1	<1	<1	2.5	30
24-Jun-09	<1	<1	<1	<1	2.3	30
15-Sep-09	<1	<1	<1	<1	2.5	30

TW4-9	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
17-Dec-09	<1	<1	<1	<1	1.7	37
23-Feb-10	<1	<1	<1	<1	1.7	47
9-Jun-10	<1	<1	<1	<1	1.5	33
11-Aug-10	<1	<1	<1	<1	1.2	40
6-Oct-10	<1	<1	<1	<1	1.8	34
17-Feb-11	ND	ND	ND	ND	1.3	41
25-May-11	ND	ND	ND	ND	3.4	38
16-Aug-11	ND	ND	ND	ND	4	21
7-Dec-11	ND	ND	ND	ND	2.3	38
18-Jan-12	ND	ND	ND	ND	2.3	28
31-May-12	ND	ND	ND	ND	4	23
30-Aug-12	ND	ND	ND	ND	3.9	22
3-Oct-12	ND	ND	ND	ND	3.8	21
7-Feb-13	ND	ND	ND	ND	4.12	20.6
30-May-13	ND	ND	ND	ND	4.49	21.4
5-Sep-13	ND	ND	ND	ND	4.03	22.7

TW4-10	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
21-Jan-02	14					
26-Mar-02	16				0.14	
21-May-02	17				0.11	
12-Sep-02	6				ND	
24-Nov-02	14				ND	
28-Mar-03	29				0.2	
23-Jun-03	110				0.4	
12-Sep-03	74				0.4	
8-Nov-03	75				0.3	
29-Mar-04	22				0.1	
22-Jun-04	32				ND	
17-Sep-04	63				0.46	
17-Nov-04	120				0.4	
16-Mar-05	140				1.6	
25-May-05	62.4	NA	NA	NA	0.8	NA
31-Aug-05	110	<2.5	6.2	<2.5	1.1	NA
1-Dec-05	300	<2.5	<2.5	<2.5	3.3	NA
9-Mar-06	190	<5	<50	<50	2.4	50
14-Jun-06	300	<5	<50	<50	3.5	54
20-Jul-06	504	<5	<50	<50	6.8	61
8-Nov-06	452	<1	1.6	1	5.7	58
28-Feb-07	500	<1	<1	1	7.6	62
27-Jun-07	350	<1	<1	1	5.1	54
15-Aug-07	660	<1	<1	1	7.3	59
10-Oct-07	470	<1	<1	1	6.7	59
26-Mar-08	620	<1	<1	1	7.3	55
25-Jun-08	720	<1	<1	1	9.91	58
10-Sep-08	680	<1	<1	1	9.23	51
15-Oct-08	1200	<2	<2	2	10.5	61
11-Mar-09	1100	<1	<1	1	11.6	64
24-Jun-09	1200	<1	<1	1	9.8	62
15-Sep-09	910	<1	<1	1	8.1	51
22-Dec-09	300	<1	<1	<1	3.5	51
3-Mar-10	460	<1	<1	<1	5	49
10-Jun-10	220	<1	<1	<1	1.6	42
12-Aug-10	100	<1	<1	<1	0.8	38
13-Oct-10	1100	<1	<1	<1	11	52
23-Feb-11	620	ND	ND	ND	9	62
1-Jun-11	280	ND	ND	ND	3.3	42

TW4-10	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
17-Aug-11	180	ND	ND	ND	1.9	41
16-Nov-11	110	ND	ND	ND	1.1	45
19-Jan-12	76	ND	ND	ND	0.9	40
13-Jun-12	79	ND	ND	ND	0.8	46
12-Sep-12	130	ND	ND	ND	1.0	44
3-Oct-12	140	ND	ND	ND	1.6	45
13-Feb-13	154	ND	ND	ND	1.2	49.1
13-Jun-13	486	ND	ND	ND	5.6	51.5
12-Sep-13	1160	ND	ND	ND	13.0	67.9

TW4-11	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
21-Jan-02	4700					
26-Mar-02	4900				9.6	
22-May-02	5200				9.07	
12-Sep-02	6200				8.84	
24-Nov-02	5800				9.7	
28-Mar-03	5100				9.7	
23-Jun-03	5700				9.4	
12-Sep-03	4600				9.9	
8-Nov-03	5200				9.3	
29-Mar-04	5300				9.07	
22-Jun-04	5700				8.74	
17-Sep-04	4800				8.75	
17-Nov-04	5800				9.7	
16-Mar-05	4400				8.7	
25-May-05	3590	NA	NA	NA	10.3	NA
31-Aug-05	4400	<10	<10	<10	9.4	NA
1-Dec-05	4400	<100	<100	<100	9.4	NA
9-Mar-06	4400	<50	<50	<50	9.2	56
14-Jun-06	4300	<50	<50	<50	10	56
20-Jul-06	4080	<50	<50	<50	10	55
8-Nov-06	3660	1.7	2.7	1.3	10	55
28-Feb-07	3500	1.3	<1	1.6	10.1	54
27-Jun-07	3800	1.6	<1	1.1	10.6	53
15-Aug-07	4500	1.7	<1	1.1	10.2	53
10-Oct-07	4400	1.6	<1	1.2	9.8	53
26-Mar-08	340	<1	<1	<1	7.7	63
25-Jun-08	640	<1	<1	<1	7.28	46
10-Sep-08	900	<1	<1	<1	7.93	42
15-Oct-08	1000	<2	<2	<2	9.46	47
11-Mar-09	1100	<1	<1	<1	7.3	49
24-Jun-09	980	<1	<1	<1	6.8	44
15-Sep-09	1000	<1	<1	<1	7	49
29-Dec-09	860	<1	<1	<1	6.6	46
3-Mar-10	820	<1	<1	<1	6.8	42
10-Jun-10	820	<1	<1	<1	6.9	40
12-Aug-10	800	<1	<1	<1	6.7	43
13-Oct-10	720	<1	<1	<1	6.4	49
23-Feb-11	1000	ND	ND	ND	6.5	46
1-Jun-11	930	ND	ND	ND	7.3	49

TW4-11	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
17-Aug-11	820	ND	ND	ND	7.1	48
16-Nov-11	1500	ND	ND	ND	7.1	46
24-Jan-12	610	ND	ND	ND	6.8	43
13-Jun-12	660	ND	ND	ND	6.7	52
13-Sep-12	740	ND	ND	ND	3	49
4-Oct-12	730	ND	ND	ND	7	50
13-Feb-13	867	3.23	ND	ND	6.83	47.3
18-Jun-13	788	ND	ND	ND	7.42	49.7
12-Sep-13	865	ND	ND	ND	7.8	46.6

TW4-12	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	2				2.54	
24-Nov-02	0				2.2	
28-Mar-03	0				1.9	
23-Jun-03	0				1.8	
12-Sep-03	0				1.8	
9-Nov-03	0				1.6	
29-Mar-04	0				1.58	
22-Jun-04	0				1.4	
17-Sep-04	0				1.24	
17-Nov-04	0				1.5	
16-Mar-05	0				1.4	
25-May-05	<1	NA	NA	NA	1.6	NA
31-Aug-05	<1	<1	5.8	<1	1.5	NA
1-Dec-05	<1	<1	1.9	<2	1.4	NA
9-Mar-06	<1	<1	2.6	<1	1.3	19
14-Jun-06	<1	<1	1.4	<1	1.4	16
20-Jul-06	<1	<1	<1	<1	1.4	16
8-Nov-06	<1	<1	<1	<1	1.4	16
28-Feb-07	<1	<1	<1	<1	1.5	16
27-Jun-07	<1	<1	<1	<1	1,5	18
15-Aug-07	<1	<1	<1	<1	1.4	29
10-Oct-07	<1	<1	<1	<1	1.4	16
26-Mar-08	<1	<1	<1	<1	1.6	16
25-Jun-08	<1	<1	<1	<1	2.69	19
10-Sep-08	<1	<1	<1	<1	2.65	18
15-Oct-08	<1	<1	<1	<1	2.47	22
4-Mar-09	<1	<1	<1	<1	2.4	23
24-Jun-09	<1	<1	<1	<1	3.8	22
15-Sep-09	<1	<1	<1	<1	5.1	22
16-Dec-09	<1	<1	<1	<1	3.6	23
23-Feb-10	<1	<1	<1	<1	4	22
8-Jun-10	<1	<1	<1	<1	11	29
10-Aug-10	<1	<1	<1	<1	9	35
5-Oct-10	<1	<1	<1	<1	8	31
15-Feb-11	ND	ND	ND	ND	6.5	31
25-May-11	ND	ND	ND	ND	7	32
16-Aug-11	ND	ND	ND	ND	6.8	31
15-Nov-11	ND	ND	ND	ND	8	30
17-Jan-12	ND	ND	ND	ND	7.7	28

TW4-12	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
31-May-12	ND	ND	ND	ND	10	34
29-Aug-12	ND	ND	ND	ND	13	39
3-Oct-12	ND	ND	ND	ND	13	39
7-Feb-13	ND	ND	ND	ND	12.6	36.7
29-May-13	ND	ND	ND	ND	14.2	38.6
29-Aug-13	ND	ND	ND	ND	17.4	41.7

TW4-13	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	ND				ND	
24-Nov-02	ND				ND	
28-Mar-03	ND				0.2	
23-Jun-03	ND				0.2	
12-Sep-03	ND				ND	
9-Nov-03	ND				0.9	
29-Mar-04	ND				0.12	
22-Jun-04	ND				0.17	
17-Sep-04	ND				4.43	
17-Nov-04	ND				4.7	
16-Mar-05	ND				4.2	
25-May-05	<1	NA	NA	NA	4.3	NA
31-Aug-05	<1	<1	3.1	<1	4.6	NA
1-Dec-05	<1	<1	<1	<1	4.3	NA
9-Mar-06	<1	<1	1.7	<1	4.2	67
14-Jun-06	<1	<1	1.4	<1	4.9	66
20-Jul-06	<1	<1	<1	<1	4.3	65
8-Nov-06	<1	<1	<1	<1	0.8	33
28-Feb-07	<1	<1	<1	<1	4	59
27-Jun-07	<1	<1	<1	<1	4.6	59
15-Aug-07	<1	<1	<1	<1	4.4	58
10-Oct-07	<1	<1	<1	<1	4.1	58
26-Mar-08	<1	<1	<1	<1	3.8	54
25-Jun-08	<1	<1	<1	<1	4.24	58
10-Sep-08	<1	<1	<1	<1	4.26	50
15-Oct-08	<1	<1	<1	<1	4.63	58
4-Mar-09	<1	<1	<1	<1	3.7	58
24-Jun-09	<1	<1	<1	<1	1.2	57
15-Sep-09	<1	<1	<1	<1	4.7	63
16-Dec-09	<1	<1	<1	<1	4.1	60
24-Feb-10	<1	<1	<1	<1	4.3	53
8-Jun-10	<1	<1	<1	<1	5.2	52
10-Aug-10	<1	<1	<1	<1	5.6	55
5-Oct-10	<1	<1	<1	<1	5.8	55
15-Feb-11	ND	ND	ND	ND	5.5	60
25-May-11	ND	ND	ND	ND	5.4	56
16-Aug-11	ND	ND	ND	ND	5.2	60
15-Nov-11	ND	ND	ND	ND	5.9	54
17-Jan-12	ND	ND	ND	ND	5.5	55
31-May-12	ND	ND	ND	ND	6	59
29-Aug-12	ND	ND	ND	ND	6.2	60
3-Oct-12	ND	ND	ND	ND	5.9	60

TW4-13	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
7-Feb-13	ND	ND	ND	ND	6.31	59.3
29-May-13	ND	ND	ND	ND	6.84	56
29-Aug-13	ND	ND	ND	ND	7.16	63.5

TW4-14	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
8-Nov-06	<1	<1	<1	<1	2.4	37
28-Feb-07	<1	<1	<1	<1	2.3	38
27-Jun-07	<1	<1	<1	<1	1.4	38
15-Aug-07	<1	<1	<1	<1	1.1	36
10-Oct-07	<1	<1	<1	<1	0.8	36
26-Mar-08	<1	<1	<1	<1	0.04	57
25-Jun-08	<1	<1	<1	<1	1.56	35
10-Sep-08	<1	<1	<1	<1	1.34	34
15-Oct-08	<1	<1	<1	<1	0.76	40
4-Mar-09	<1	<1	<1	<1	1.6	35
24-Jun-09	<1	<1	<1	<1	1.4	36
15-Sep-09	<1	<1	<1	<1	1.5	38
16-Dec-09	<1	<1	<1	<1	1.4	34
3-Mar-10	<1	<1	<1	<1	2.5	33
8-Jun-10	<1	<1	<1	<1	2.9	49
10-Aug-10	<1	<1	<1	<1	2.8	35
6-Oct-10	<1	<1	<1	<1	2.9	29
15-Feb-11	ND	ND	ND	ND	1.8	25
16-Aug-11	ND	ND	ND	ND	2.6	33
15-Nov-11	ND	ND	ND	ND	1.7	15
17-Jan-12	ND	ND	ND	ND	1.9	20
31-May-12	ND	ND	ND	ND	3.3	35
29-Aug-12	ND	ND	ND	ND	3.9	37
3-Oct-12	ND	ND	ND	ND	4.2	37
7-Feb-13	ND	ND	ND	ND	4.63	35.2
30-May-13	ND	ND	ND	ND	4.37	38.6
29-Aug-13	ND	ND	ND	ND	4.51	37.6

MW-26	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	3				ND	
24-Nov-02	0				ND	
28-Mar-03	0				0.1	
23-Jun-03	7800				14.5	
15-Aug-03	7400				16.8	
12-Sep-03	2500				2.7	
25-Sep-03	2600				2.5	
29-Oct-03	3100				3.1	
8-Nov-03	3000				2.8	
29-Mar-04	NA				NA	
22-Jun-04	NA				NA	
17-Sep-04	1400				0.53	
17-Nov-04	300				0.2	
16-Mar-05	310				0.3	
30-Mar-05	230				0.2	
25-May-05	442	NA	NA	NA	0.2	NA
31-Aug-05	960	<5	5.4	<5	0.2	NA
1-Dec-05	1000	<50	<50	<50	0.3	NA
9-Mar-06	1100	<50	<50	<50	0.2	52
14-Jun-06	830	<50	<50	<50	0.2	52
20-Jul-06	2170	<50	<50	<50	1.4	65
8-Nov-06	282	<1	<1	2.8	0.3	54
28-Feb-07	570	<1	<1	5.5	0.5	56
27-Jun-07	300	<1	<1	13	0.4	49
15-Aug-07	1400	<1	<1	36	1	57
10-Oct-07	2000	<1	<1	14	0.6	57
26-Mar-08	930	<1	<1	40	0.1	49
25-Jun-08	1300	<1	<1	53	0.56	57
10-Sep-08	630	<1	<1	24	0.24	44
15-Oct-08	1700	<1	<1	100	0.65	64
4-Mar-09	950	<1	<1	51	0.4	49
24-Jun-09	410	<1	<1	12	0.2	48
15-Sep-09	850	<1	<1	30	0.1	46
14-Dec-09	1100	<1	<1	40	2.3	60
17-Feb-10	780	<1	<1	19	0.2	57
9-Jun-10	1900	<1	<1	28	1.1	58
16-Aug-10	2200	<1	<1	21	0.6	49
11-Oct-10	970	<1	<1	6.5	0.7	65
23-Feb-11	450	ND	ND	3.6	0.5	57

MW-26	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
31-May-11	1800	ND	ND	1.3	0.4	88
17-Aug-11	720	ND	ND	7.2	0.9	58
5-Dec-11	1800	ND	ND	2.9	2	69
7-Feb-12	2400	ND	ND	16	1.7	98
6-Jun-12	3000	ND	ND	21	2.5	73
4-Sep-12	3100	ND	ND	31	2.6	73
4-Oct-12	1200	ND	ND	4	1.8	68
11-Feb-13	2120	ND	ND	9.34	2.27	81.9
5-Jun-13	4030	ND	ND	52.4	2.11	77.9
3-Sep-13	2940	ND	ND	33.2	1.18	60.5

TW4-16	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	140				ND	
24-Nov-02	200				ND	
28-Mar-03	260				ND	
23-Jun-03	370				ND	
12-Sep-03	350				ND	
8-Nov-03	400				ND	
29-Mar-04	430				ND	
22-Jun-04	530				ND	
17-Sep-04	400				ND	
17-Nov-04	350				ND	
16-Mar-05	240				ND	
25-May-05	212	NA	NA	NA	<0.1	NA
31-Aug-05	85	<1	3.2	43	<0.1	NA
1-Dec-05	14	<2.5	2.6	5.9	1.4	NA
9-Mar-06	39.0	<1	1.1	21	3	60
14-Jun-06	13.0	<1	2.4	8.9	1.9	55
20-Jul-06	5.2	<1	<1	2.7	2.7	60
8-Nov-06	13.6	<1	<1	9.2	5.6	62
28-Feb-07	8.7	<1	<1	6.5	12.3	79
27-Jun-07	2.6	<1	<1	1.8	9.9	75
15-Aug-07	7.1	<1	<1	5.1	5.4	66
10-Oct-07	1.4	<1	<1	<1	4.4	69
26-Mar-08	11.0	<1	<1	26	ND	52
25-Jun-08	<1	<1	<1	<1	1.46	58
10-Sep-08	10	<1	<1	14	10.5	71
15-Oct-08	3.9	<1	<1	6.6	9.82	89
4-Mar-09	<1	<1	<1	<1	9.6	78
24-Jun-09	<1	<1	<1	<1	8.9	76
15-Sep-09	<1	<1	<1	<1	8.8	79
17-Dec-09	<1	<1	<1	<1	5.2	76
24-Feb-10	<1	<1	<1	<1	4.2	77
9-Jun-10	2.1	<1	<1	<1	4.7	64
24-Aug-10	4.3	<1	<1	<1	4.6	72
6-Oct-10	3.0	<1	<1	<1	3.3	72
22-Feb-11	15.0	ND	ND	ND	7	86
26-May-11	16.0	ND	ND	ND	5	81
17-Aug-11	9.2	ND	ND	ND	1.7	63
16-Nov-11	ND	ND	ND	1.4	0.4	38
18-Jan-12	ND	ND	ND	1.7	0.1	48

TW4-16	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
31-May-12	ND	ND	ND	ND	ND	53
30-Aug-12	ND	ND	ND	ND	ND	59
3-Oct-12	ND	ND	ND	3	ND	53
7-Feb-13	ND	ND	ND	3	ND	58.1
30-May-13	ND	ND	ND	4.21	ND	49.8
5-Sep-13	ND	ND	ND	ND	ND	54.4

MW-32	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	1.6				ND	
24-Nov-02	ND				ND	
28-Mar-03	ND				ND	
23-Jun-03	ND				ND	
12-Sep-03	ND				ND	
8-Nov-03	ND				ND	
29-Mar-04	ND				ND	
22-Jun-04	ND				ND	
17-Sep-04	ND				ND	
17-Nov-04	ND				ND	
16-Mar-05	ND				ND	
30-Mar-05	ND				ND	
25-May-05	<1	NA	NA	NA	<0.1	NA
31-Aug-05	<1	<1	3.2	<1	<0.1	NA
1-Dec-05	<1	<1	<1	<1	<0.1	NA
9-Mar-06	<1	<1	<1	<1	<0.1	32
14-Jun-06	<1	<1	3.5	<1	<0.1	30
20-Jul-06	<1	<1	1.8	<1	<0.1	32
8-Nov-06	<1	<1	1.5	<1	<0.1	31
28-Feb-07	<1	<1	<1	<1	<0.1	32
27-Jun-07	<1	<1	<1	<1	<0.1	32
15-Aug-07	<1	<1	<1	<1	<0.1	31
10-Oct-07	<1	<1	<1	<1	<0.1	32
26-Mar-08	<1	<1	<1	<1	<0.1	31
25-Jun-08	<1	<1	<1	<1	<0.05	29
10-Sep-08	<1	<1	<1	<1	<0.05	30
15-Oct-08	<1	<1	<1	<1	<0.05	26
4-Mar-09	<1	<1	<1	<1	<0.1	30
24-Jun-09	<1	<1	<1	<1	<0.1	31
15-Sep-09	<1	<1	<1	<1	<0.1	33
16-Dec-09	<1	<1	<1	<1	<0.1	34
17-Feb-10	<1	<1	<1	<1	<0.1	38
14-Jun-10	<1	<1	<1	<1	<0.1	32
16-Aug-10	<1	<1	<1	<1	<0.1	28
6-Oct-10	<1	<1	<1	<1	<0.1	24
23-Feb-11	ND	ND	ND	ND	ND	40
25-May-11	ND	ND	ND	ND	ND	31
16-Aug-11	ND	ND	ND	ND	ND	33
6-Dec-11	ND	ND	ND	ND	ND	32

MW-32	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
18-Jan-12	ND	ND	ND	ND	ND	21
4-Jun-12	ND	ND	ND	ND	ND	32
5-Sep-12	ND	ND	ND	ND	ND	33
10-Oct-12	ND	ND	ND	ND	ND	35
13-Feb-13	ND	ND	ND	ND	ND	34.3
18-Jun-13	ND	ND	ND	ND	ND	34.9
4-Sep-13	ND	ND	ND	ND	ND	33

TW4-18	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	440				1.49	
24-Nov-02	240				13.3	
28-Mar-03	160				13.1	
23-Jun-03	110				19	
12-Sep-03	68.0				19.9	
9-Nov-03	84.0				20.7	
29-Mar-04	90.0				14	
22-Jun-04	82.0				12.2	
17-Sep-04	38.0				14.5	
17-Nov-04	51.0				17.3	
16-Mar-05	38.0				14.1	
25-May-05	29.8	NA	NA	NA	12.9	NA
31-Aug-05	39	<1	2.8	<1	13.3	NA
1-Dec-05	14	<1	1.1	<1	7.3	NA
9-Mar-06	12.0	<1	1.1	<1	5.9	5.9
14-Jun-06	12.0	<1	1.6	<1	4.7	35
20-Jul-06	10.8	<1	2.7	<1	6.1	35
8-Nov-06	139	<1	<1	<1	8.7	34
28-Feb-07	9.2	<1	<1	<1	5.1	30
27-Jun-07	8.0	<1	<1	<1	4.9	28
15-Aug-07	8.9	<1	<1	<1	5	32
10-Oct-07	7.4	<1	<1	<1	4.4	27
26-Mar-08	6.4	<1	<1	<1	0.7	23
25-Jun-08	5.7	<1	<1	<1	4.55	23
10-Sep-08	8.0	<1	<1	<1	4.68	26
15-Oct-08	9.4	<1	<1	<1	5,15	30
4-Mar-09	11.0	<1	<1	<1	5.2	29
24-Jun-09	16.0	<1	<1	<1	6.2	30
15-Sep-09	13.0	<1	<1	<1	5.9	26
22-Dec-09	8.2	<1	<1	<1	5.4	30
24-Feb-10	69.0	<1	<1	<1	5.1	41
9-Jun-10	29.0	<1	<1	<1	9	35
12-Aug-10	29.0	<1	<1	<1	9	37
13-Oct-10	30.0	<1	<1	<1	10	50
22-Feb-11	39.0	ND	ND	ND	10	52
26-May-11	26.0	ND	ND	ND	9	36
17-Aug-11	29.0	ND	ND	ND	4.6	23
7-Dec-11	28.0	ND	ND	ND	6.3	23
19-Jan-12	25.0	ND	ND	ND	4.4	18

TW4-18	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
13-Jun-12	24.0	ND	ND	ND	6.6	30
11-Sep-12	38.0	ND	ND	ND	6.6	26
3-Oct-12	30.0	ND	ND	ND	6	27
13-Feb-13	34.9	ND	ND	ND	5.58	23.1
13-Jun-13	37.9	ND	ND	ND	8.86	22.9
5-Sep-13	41.0	ND	ND	ND	12.1	36.2

TW4-19	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	7700				47.6	
24-Nov-02	5400				42	
28-Mar-03	4200				61.4	
15-May-03	4700				NA	
23-Jun-03	4500				11.4	
15-Jul-03	2400				6.8	
15-Aug-03	2600				4	
12-Sep-03	2500				5.7	
25-Sep-03	4600				9.2	
29-Oct-03	4600				7.7	
9-Nov-03	2600				4.8	
29-Mar-04	NA				NA	
22-Jun-04	NA				NA	
16-Aug-04	7100				9.91	
17-Sep-04	2600				4.5	
17-Nov-04	1800				3.6	
16-Mar-05	2200				5.3	
25-May-05	1200				5.7	
31-Aug-05	1400	<5	<5	<5	4.6	NA
1-Dec-05	2800	<50	<50	<50	<0.1	NA
9-Mar-06	1200	<50	<50	<50	4	86
14-Jun-06	1100	<50	<50	<50	5.2	116
20-Jul-06	1120	<50	<50	<50	4.3	123
8-Nov-06	1050	1.6	2.6	<1	4.6	134
28-Feb-07	1200	1.3	<1	<1	4	133
27-Jun-07	1800				2.3	
15-Aug-07	1100	1.9	<1	<1	4.1	129
10-Oct-07	1100	1.9	<1	<1	4	132
26-Mar-08	1800	2.9	<1	<1	2.2	131
25-Jun-08	1000	1	<1	<1	2.81	128
10-Sep-08	3600	8.6	<1	<1	36.2	113
15-Oct-08	4200	12	<1	<1	47.8	124
4-Mar-09	1100	1.2	<1	<1	3.2	127
24-Jun-09	990	1.2	<1	<1	2.4	132
15-Sep-09	6600	15	<1	<1	0.1	43
14-Dec-09	4700	16	<1	<1	26.7	124
17-Feb-10	940	1.3	<1	<1	2	144
9-Jun-10	1800	4.2	<1	<1	4.4	132
16-Aug-10	2000	4.9	<1	<1	5.9	142

TW4-19	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
11-Oct-10	1200	1.3	<1	<1	2.7	146
17-Feb-11	3400	17	ND	ND	17	135
7-Jun-11	4000	8.3	ND	ND	12	148
17-Aug-11	970	2.1	ND	ND	3	148
5-Dec-11	2200	5.4	ND	ND	5	148
23-Jan-12	650	1.5	ND	ND	0.6	138
6-Jun-12	460	1.1	ND	ND	2.4	149
5-Sep-12	950	3.5	ND	ND	2.5	149
3-Oct-12	1500	4	ND	ND	4.1	150
11-Feb-13	4210	5.15	ND	ND	7.99	164
5-Jun-13	2070	5.15	ND	ND	2.95	148
3-Sep-13	8100	20.7	ND	ND	17.6	179

TW4-20	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
25-May-05	39000	NA	NA	NA	10.1	NA
31-Aug-05	3800	<10	<10	<10	2.9	NA
1-Dec-05	19000	<250	<250	<250	1.8	NA
9-Mar-06	9200	<500	<500	<500	3.8	120
14-Jun-06	61000	<500	<500	<500	9.4	235
20-Jul-06	5300	<1000	<1000	<1000	2.9	134
8-Nov-06	11000	7.1	1.9	2.2	3.5	124
28-Feb-07	4400	3.1	<1	1.1	4.2	124
27-Jun-07	1800	2.2	<1	<1	2.3	112
15-Aug-07	5200	3.5	<1	1.8	2.1	117
10-Oct-07	9000	6.8	<1	1.9	5.6	170
26-Mar-08	13000	9	<1	1.5	0.9	132
25-Jun-08	30000	13	<1	1.2	7.96	191
10-Sep-08	21000	15	<1	3.7	4.44	156
15-Oct-08	NA	NA	NA	NA	5.51	166
4-Mar-09	8200	5.7	<1	5.2	5.1	164
24-Jun-09	6800	4.9	<2	4.2	2.9	164
15-Sep-09	13000	8.4	<2	4.4	3.3	153
14-Dec-09	15000	14	<1	3	5.3	187
17-Feb-10	3500	2.7	<1	3.2	2	179
14-Jun-10	18000	11	<1	3.7	5.6	200
16-Aug-10	15000	12	<1	2.2	5.3	196
11-Oct-10	24000	20	<1	5.5	4.6	203
23-Feb-11	31000	27	ND	19	4.4	220
1-Jun-11	8100	10	ND	2.1	4.8	177
17-Aug-11	6800	7.3	ND	3.1	6.5	207
16-Nov-11	7900	7.2	ND	2.5	4.2	186
23-Jan-12	11000	10	ND	1.3	7.9	207
6-Jun-12	36000	33	ND	ND	11	262
4-Sep-12	13000	26	ND	ND	10.8	289
3-Oct-12	19000	22	ND	ND	11	302
11-Feb-13	18500	19.6	ND	1.21	9.07	252
5-Jun-13	26300	32.5	ND	1.13	9.76	250
3-Sep-13	26800	25.7	ND	2.14	8.65	260

TW4-21	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
25-May-05	192	NA	NA	NA	14.6	NA
31-Aug-05	78	<5	<5	<5	10.1	NA
1-Dec-05	86	<1	1.0	<1	9.6	NA
9-Mar-06	120	<2.5	<2.5	<2.5	8.5	347
14-Jun-06	130	<2.5	<2.5	<2.5	10.2	318
20-Jul-06	106	<2.5	<2.5	<2.5	8.9	357
8-Nov-06	139	2	<1	<1	8.7	296
28-Feb-07	160	1.8	<1	<1	8.7	306
27-Jun-07	300	5.8	<1	<1	8.6	327
15-Aug-07	140	<1	<1	<1	8.6	300
10-Oct-07	120	<1	<1	<1	8.3	288
26-Mar-08	380	7	<1	<1	14.3	331
25-Jun-08	160	1.7	<1	<1	8.81	271
10-Sep-08	120	1.6	<1	<1	7.57	244
15-Oct-08	170	2	<1	<2	8.00	284
11-Mar-09	180	<1	<1	<1	8.3	279
24-Jun-09	200	<1	<1	<1	8.1	291
15-Sep-09	140	<1	<1	<1	9.2	281
22-Dec-09	160	<1	<1	<1	8.4	256
25-Feb-10	170	<1	<1	<1	8.4	228
10-Jun-10	210	1.2	<1	<1	12	266
12-Aug-10	390	9.2	<1	<1	14	278
13-Oct-10	200	1.2	<1	<1	7	210
22-Feb-11	230	1.2	ND	ND	9	303
28-Jun-11	290	4.8	ND	ND	12	290
17-Aug-11	460	6.3	ND	ND	14	287
7-Dec-11	390	6.7	ND	ND	13	276
19-Jan-12	420	6.4	ND	ND	15	228
13-Jun-12	400	5.4	ND	ND	11	285
13-Sep-12	410	6	ND	ND	13	142
4-Oct-12	390	7	ND	ND	14	270
13-Jan-13	282	5.25	ND	ND	11.8	221
18-Jun-13	328	3.49	ND	ND	13.8	243
12-Sep-13	244	2.13	ND	ND	10.3	207

TW4-22	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
25-May-05	340	NA	NA	NA	18.2	NA
31-Aug-05	290	<5	<5	<5	15.7	NA
1-Dec-05	320	<5	<5	<5	15.1	NA
9-Mar-06	390	<10	<10	<10	15.3	236
14-Jun-06	280	<10	<10	<10	14.3	221
20-Jul-06	864	<10	<10	<10	14.5	221
8-Nov-06	350	<1	1.6	<1	15.9	236
28-Feb-07	440	<1	<1	<1	20.9	347
27-Jun-07	740	<1	<1	<1	19.3	273
15-Aug-07	530	<1	<1	<1	19.3	259
10-Oct-07	440	<1	<1	<1	18.8	238
26-Mar-08	1400	<1	<1	<1	39.1	519
25-Jun-08	1200	<1	<1	<1	41.9	271
10-Sep-08	6300	1.3	<1	<1	38.7	524
15-Oct-08	630	<2	<2	<2	36.3	539
11-Mar-09	390	<1	<1	<1	20.7	177
24-Jun-09	730	<1	<1	<1	20.6	177
15-Sep-09	2300	<1	<1	<1	40.3	391
29-Dec-09	380	<1	<1	<1	17.8	175
3-Mar-10	2200	<1	<1	<1	36.6	427
15-Jun-10	540	<1	<1	<1	19	134
24-Aug-10	340	<1	<1	<1	15	130
13-Oct-10	340	<1	<1	<1	16	134
23-Feb-11	1300	ND	ND	ND	18	114
1-Jun-11	210	ND	ND	ND	17	138
17-Aug-11	450	ND	ND	ND	15	120
7-Dec-11	400	ND	ND	ND	19	174
19-Jan-12	200	ND	ND	ND	14	36
13-Jun-12	120	ND	ND	ND	12.8	35
12-Sep-12	940	ND	ND	ND	7	121
4-Oct-12	330	ND	ND	ND	14	130
11-Feb-13	10600	3.24	ND	ND	58	635
5-Jun-13	12500	3.35	ND	ND	50.2	586
3-Sep-13	9640	3.25	ND	ND	29.7	487

TW4-23	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Jun-07	<1	<1	<1	<1	<0.1	47
15-Aug-07	<1	<1	<1	<1	<0.1	46
10-Oct-07	<1	<1	<1	<1	<0.1	43
26-Mar-08	<1	<1	<1	<1	<0.1	41
25-Jun-08	<1	<1	<1	<1	<0.05	41
10-Sep-08	<1	<1	<1	<1	<0.05	35
15-Oct-08	<2	<2	<2	<2	<0.05	51
4-Mar-09	<1	<1	<1	<1	<0.1	41
24-Jun-09	<1	<1	<1	<1	<0.1	43
15-Sep-09	<1	<1	<1	<1	<0.1	43
16-Dec-09	<1	<1	<1	<1	<0.1	37
24-Feb-10	<1	<1	<1	<1	<0.1	45
8-Jun-10	<1	<1	<1	<1	<0.1	40
10-Aug-10	<1	<1	<1	<1	<0.1	40
5-Oct-10	<1	<1	<1	<1	<0.1	34
16-Feb-11	ND	ND	ND	ND	ND	44
25-May-11	ND	ND	ND	ND	ND	44
16-Aug-11	ND	ND	ND	ND	ND	41
15-Nov-11	ND	ND	ND	ND	ND	43
17-Jan-12	ND	ND	ND	ND	ND	40
31-May-12	ND	ND	ND	ND	ND	44
29-Aug-12	ND	ND	ND	ND	ND	46
3-Oct-12	ND	ND	ND	ND	ND	45
7-Feb-13	ND	ND	ND	ND	ND	43.6
30-May-13	ND	ND	ND	ND	0.116	44.7
5-Sep-13	ND	ND	ND	ND	ND	48.0

TW4-24	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Jun-07	2.6	<1	<1	<1	26.1	770
15-Aug-07	2.2	<1	<1	<1	29	791
10-Oct-07	1.5	<1	<1	<1	24.7	692
26-Mar-08	1.5	<1	<1	<1	24.4	740
25-Jun-08	1.4	<1	<1	<1	45.3	834
10-Sep-08	2.9	<1	<1	<1	38.4	1180
15-Oct-08	<2	<2	<2	<2	44.6	1130
4-Mar-09	1.4	<1	<1	<1	30.5	1010
24-Jun-09	1.5	<1	<1	<1	30.4	759
15-Sep-09	1.4	<1	<1	<1	30.7	618
17-Dec-09	1.2	<1	<1	<1	28.3	1080
25-Feb-10	1.3	<1	<1	<1	33.1	896
9-Jun-10	1.7	<1	<1	<1	30	639
24-Aug-10	1.8	<1	<1	<1	31	587
6-Oct-10	1.4	<1	<1	<1	31	522
17-Feb-11	1.8	ND	ND	ND	31	1100
26-May-11	1.1	ND	ND	ND	35	1110
17-Aug-11	1.7	ND	ND	ND	34	967
7-Dec-11	1.2	ND	ND	ND	35	608
18-Jan-12	ND	ND	ND	ND	37	373
6-Jun-12	ND	ND	ND	ND	37	355
30-Aug-12	1.1	ND	ND	ND	37	489
3-Oct-12	1.0	ND	ND	ND	38	405
11-Feb-13	5.7	ND	ND	ND	35.9	1260
5-Jun-13	17.4	ND	ND	ND	23.7	916
3-Sep-13	21.8	ND	ND	ND	32.6	998

TW4-25	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Jun-07	<1	<1	<1	<1	17.1	395
15-Aug-07	<1	<1	<1	<1	16.7	382
10-Oct-07	<1	<1	<1	<1	17	356
26-Mar-08	<1	<1	<1	<1	18.7	374
25-Jun-08	<1	<1	<1	<1	22.1	344
10-Sep-08	<1	<1	<1	<1	18.8	333
15-Oct-08	<2	<2	<2	<2	21.3	366
4-Mar-09	<1	<1	<1	<1	15.3	332
24-Jun-09	<1	<1	<1	<1	15.3	328
15-Sep-09	<1	<1	<1	<1	3.3	328
16-Dec-09	<1	<1	<1	<1	14.2	371
23-Feb-10	<1	<1	<1	<1	14.4	296
8-Jun-10	<1	<1	<1	<1	16	306
10-Aug-10	<1	<1	<1	<1	14	250
5-Oct-10	<1	<1	<1	<1	15	312
16-Feb-11	ND	ND	ND	ND	15	315
25-May-11	ND	ND	ND	ND	16	321
16-Aug-11	ND	ND	ND	ND	16	276
15-Nov-11	ND	ND	ND	ND	16	294
18-Jan-12	ND	ND	ND	ND	16	304
31-May-12	ND	ND	ND	ND	16	287
11-Sep-12	ND	ND	ND	ND	17	334
3-Oct-12	ND	ND	ND	ND	17	338
11-Feb-13	ND	ND	ND	ND	9.04	190
5-Jun-13	ND	ND	ND	ND	5.24	136
3-Sep-13	ND	ND	ND	ND	5.69	119

TW4-26	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
15-Jun-10	13	<1	<1	<1	7.9	33
11-Aug-10	5	<1	<1	<1	9	17
6-Oct-10	5.4	<1	<1	<1	9.6	22
22-Feb-11	2.0	ND	ND	ND	10	30
26-May-11	2.9	ND	ND	ND	10	15
17-Aug-11	2.8	ND	ND	ND	11	19
7-Dec-11	5.2	ND	ND	ND	10	26
18-Jan-12	7.0	ND	ND	ND	11	17
6-Jun-12	4.1	ND	ND	ND	12	19
11-Sep-12	4.9	ND	ND	ND	9	19
3-Oct-12	6.0	ND	ND	ND	12	19
7-Feb-13	5.0	ND	ND	ND	12.5	16.6
13-Jun-13	2.1	ND	ND	ND	13.6	14.5
5-Sep-13	2.8	ND	ND	ND	11.7	17.6

TW4-27	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
24-Jan-12	9	ND	ND	ND	24	11
13-Jun-12	ND	ND	ND	ND	41	17
30-Aug-12	ND	ND	ND	ND	37	21
3-Oct-12	ND	ND	ND	ND	36	18
7-Feb-13	ND	ND	ND	ND	31.2	18.8
30-May-13	ND	ND	ND	ND	29.4	20.3
29-Aug-13	ND	ND	ND	ND	27.2	19

TW4-28	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-13	ND	ND	ND	ND	14.9	44.6
29-Aug-13	ND	ND	ND	ND	17.3	45.3

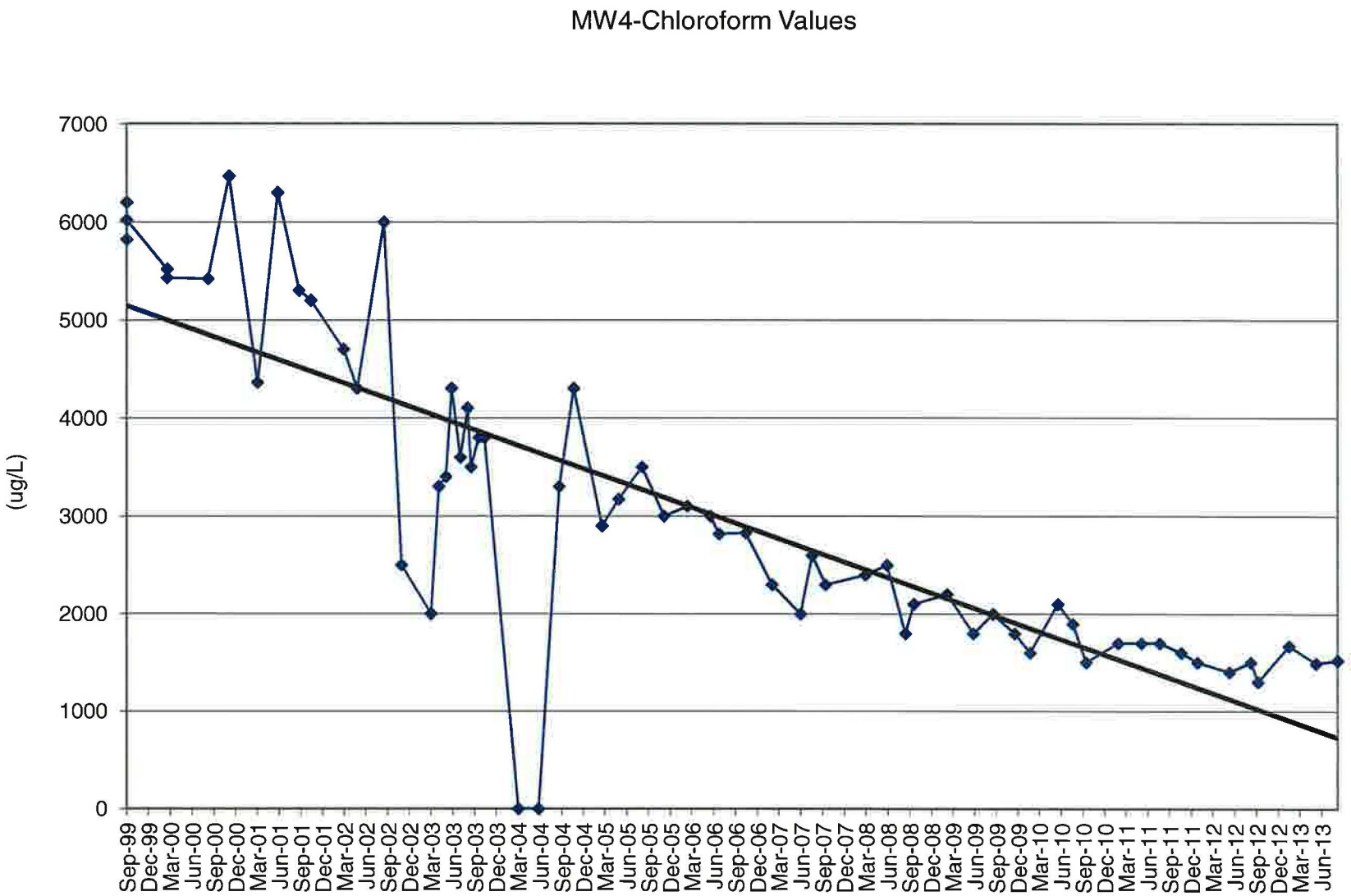
TW4-29	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-13	242	ND	ND	ND	4.63	44.8
11-Jul-13	262	ND	ND	ND	3.52	37.7
26-Sep-13	246	ND	ND	ND	4.18	41.4

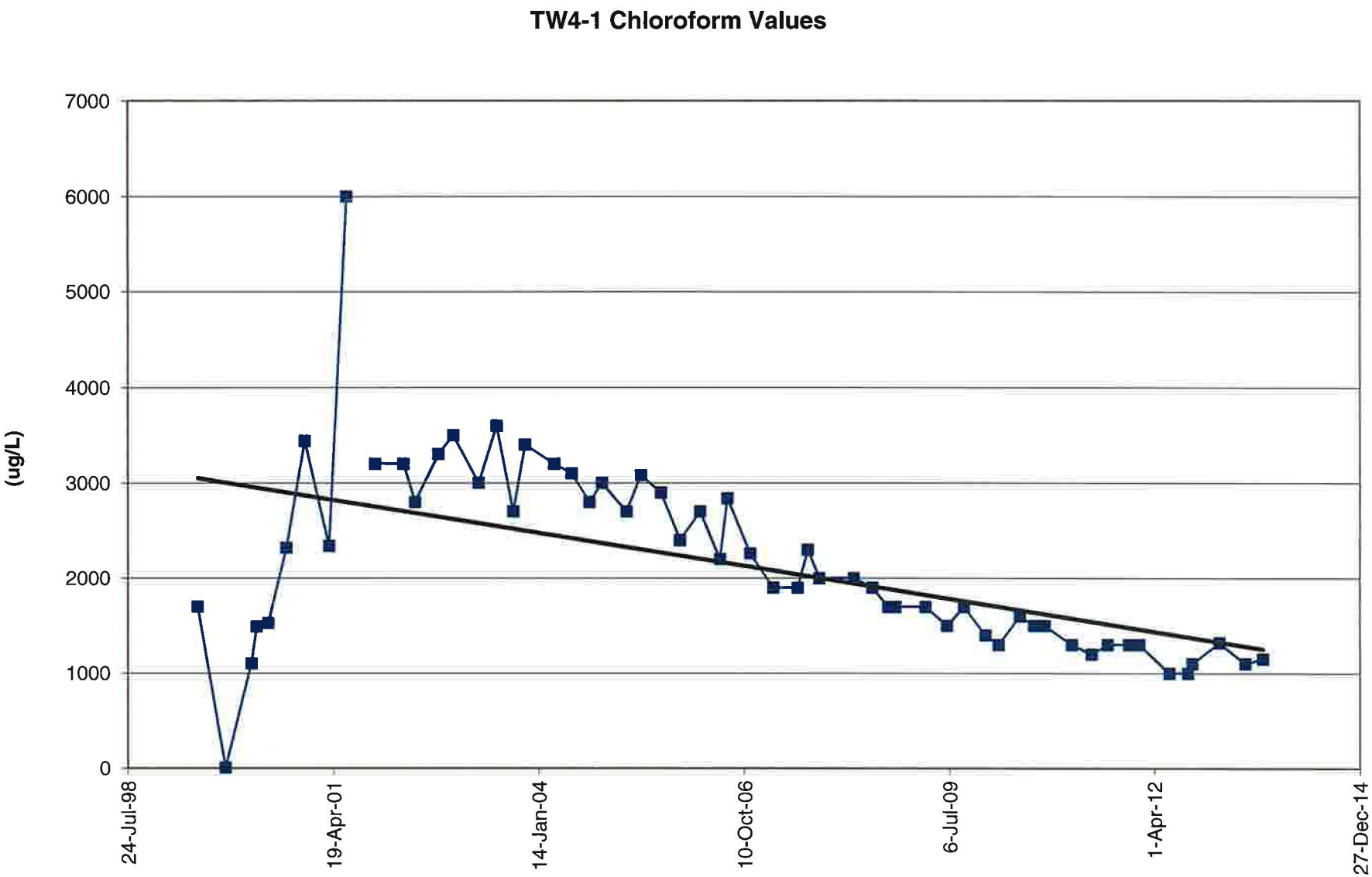
TW4-30	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-13	ND	ND	ND	ND	0.948	36
29-Aug-13	ND	ND	ND	ND	0.952	36.3

TW4-31	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-13	ND	ND	ND	ND	1.26	28.4
5-Sep-13	ND	ND	ND	ND	1.1	29.4

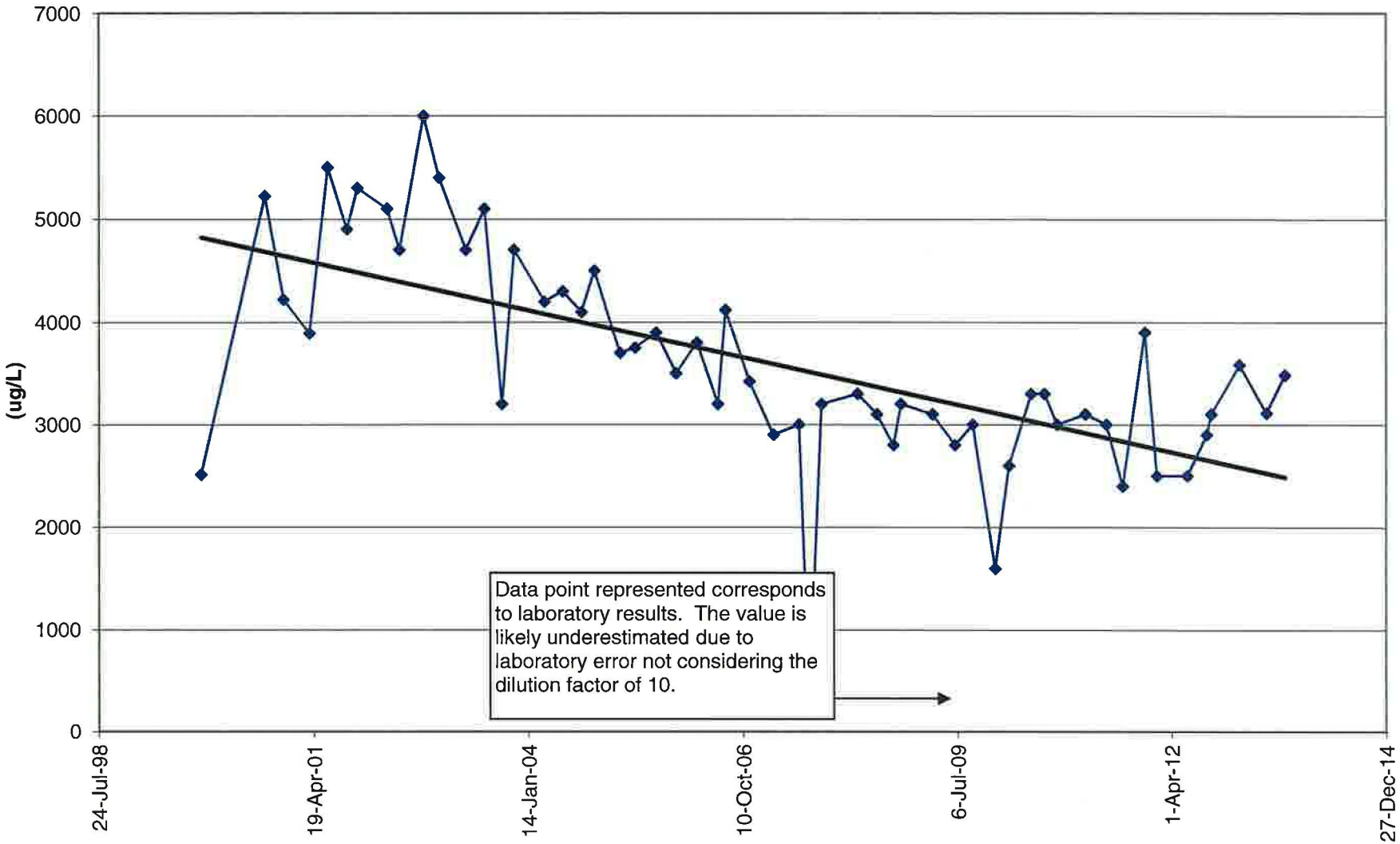
Tab L

Chloroform Concentration Trend Graphs

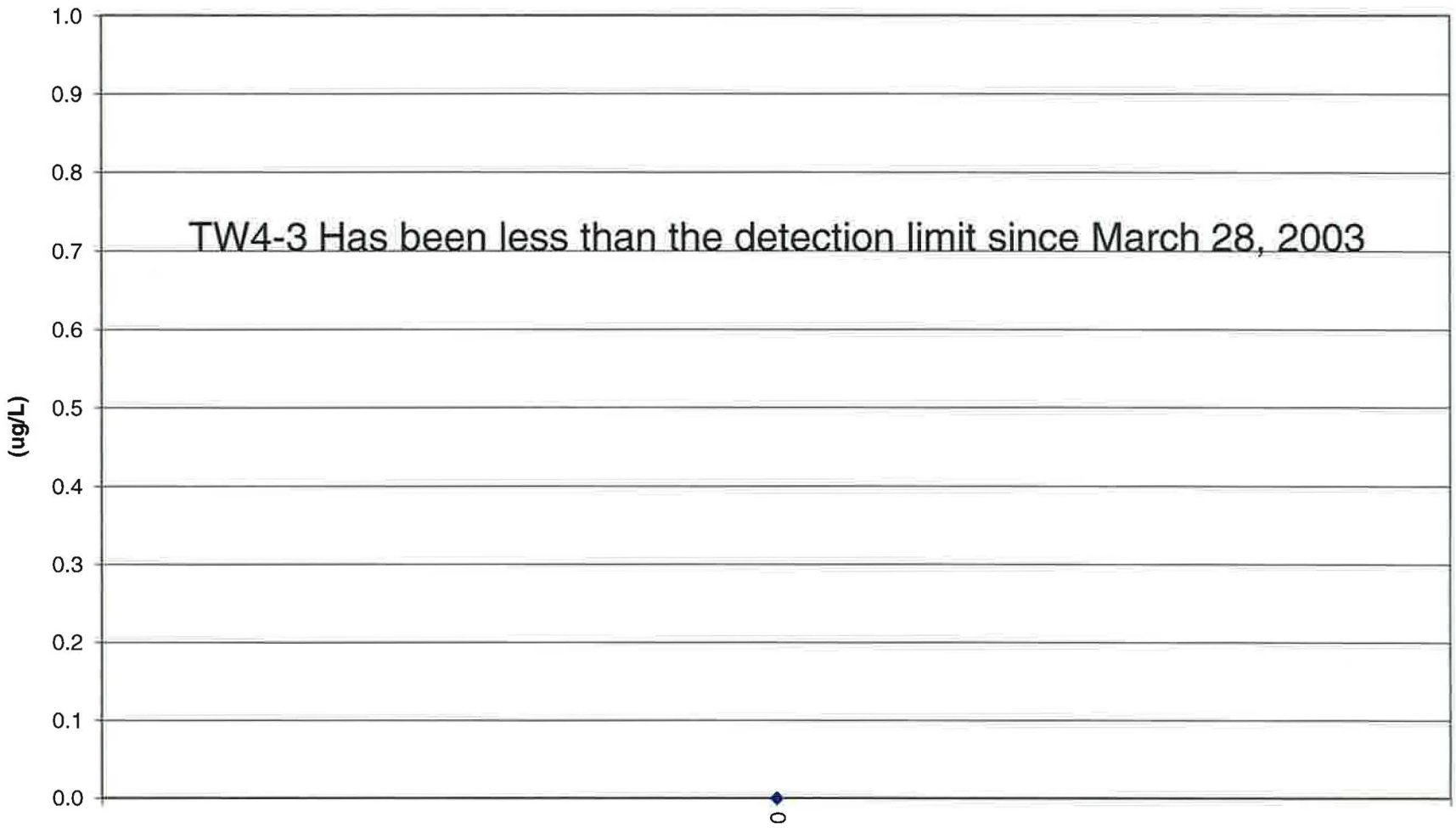

MW4-Chloroform Values
(ug/L)
7000
6000
5000
4000
3000
2000
1000
0
Sep-99
Dec-99
Mar-00
Jun-00
Sep-00
Dec-00
Mar-01
Jun-01
Sep-01
Dec-01
Mar-02
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Mar-06
Jun-06
Sep-06
Dec-06
Mar-07
Jun-07
Sep-07
Dec-07
Mar-08
Jun-08
Sep-08
Dec-08
Mar-09
Jun-09
Sep-09
Dec-09
Mar-10
Jun-10
Sep-10
Dec-10
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12
Jun-12
Sep-12
Dec-12
Mar-13
Jun-13

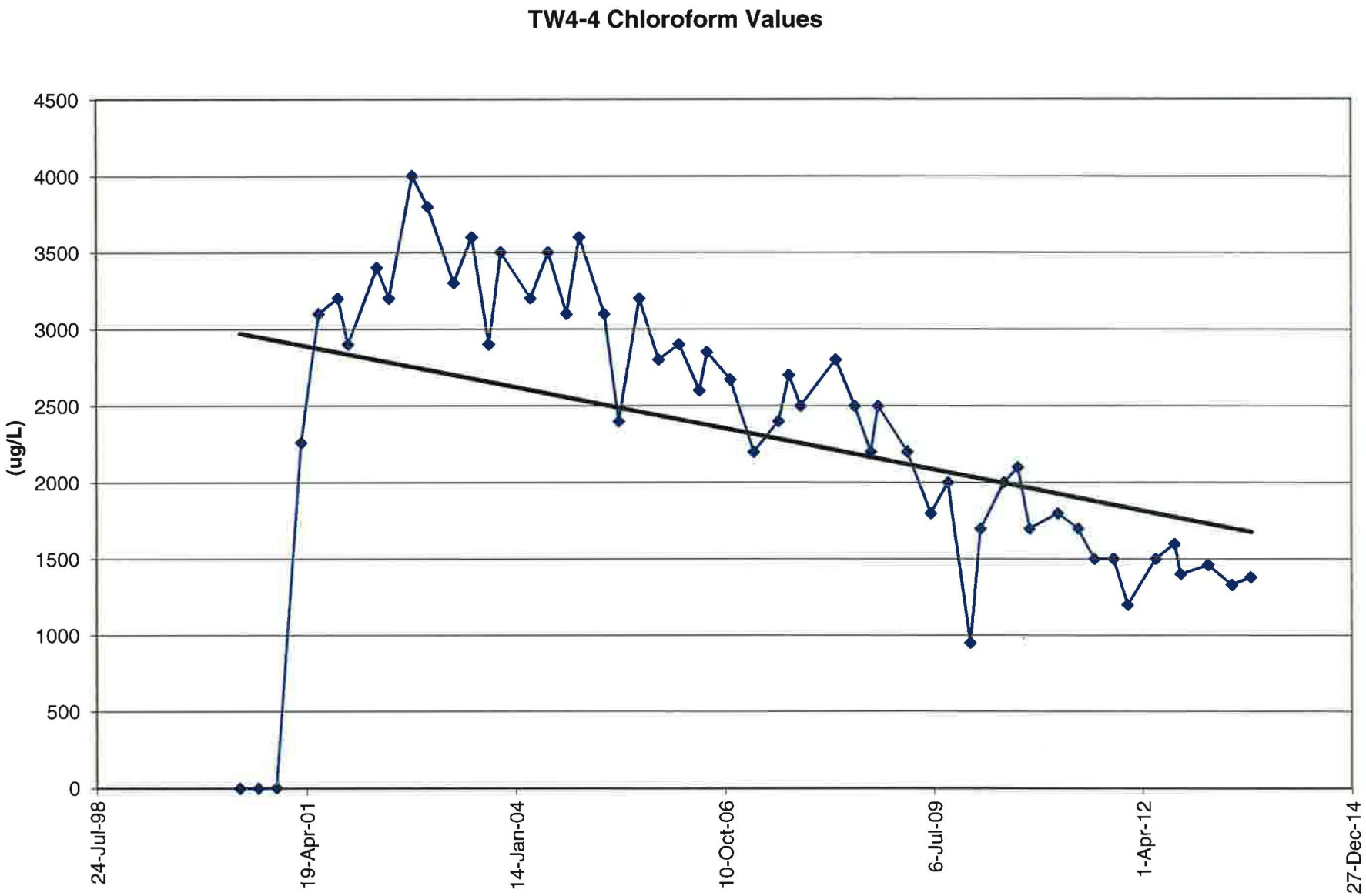

TW4-1 Chloroform Values
(ug/L)
7000
6000
5000
4000
3000
2000
1000
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14

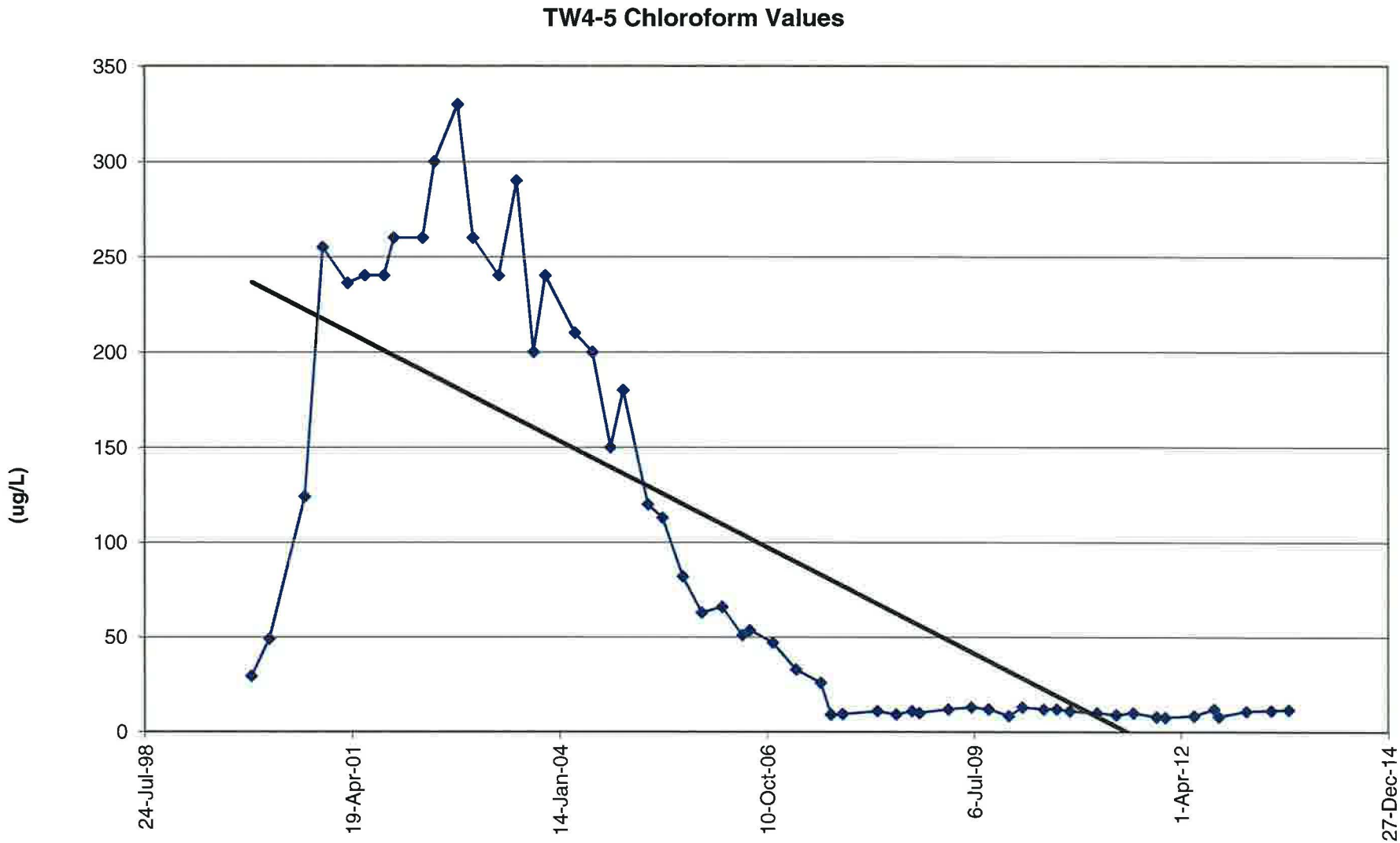
TW4-2 Chloroform Values

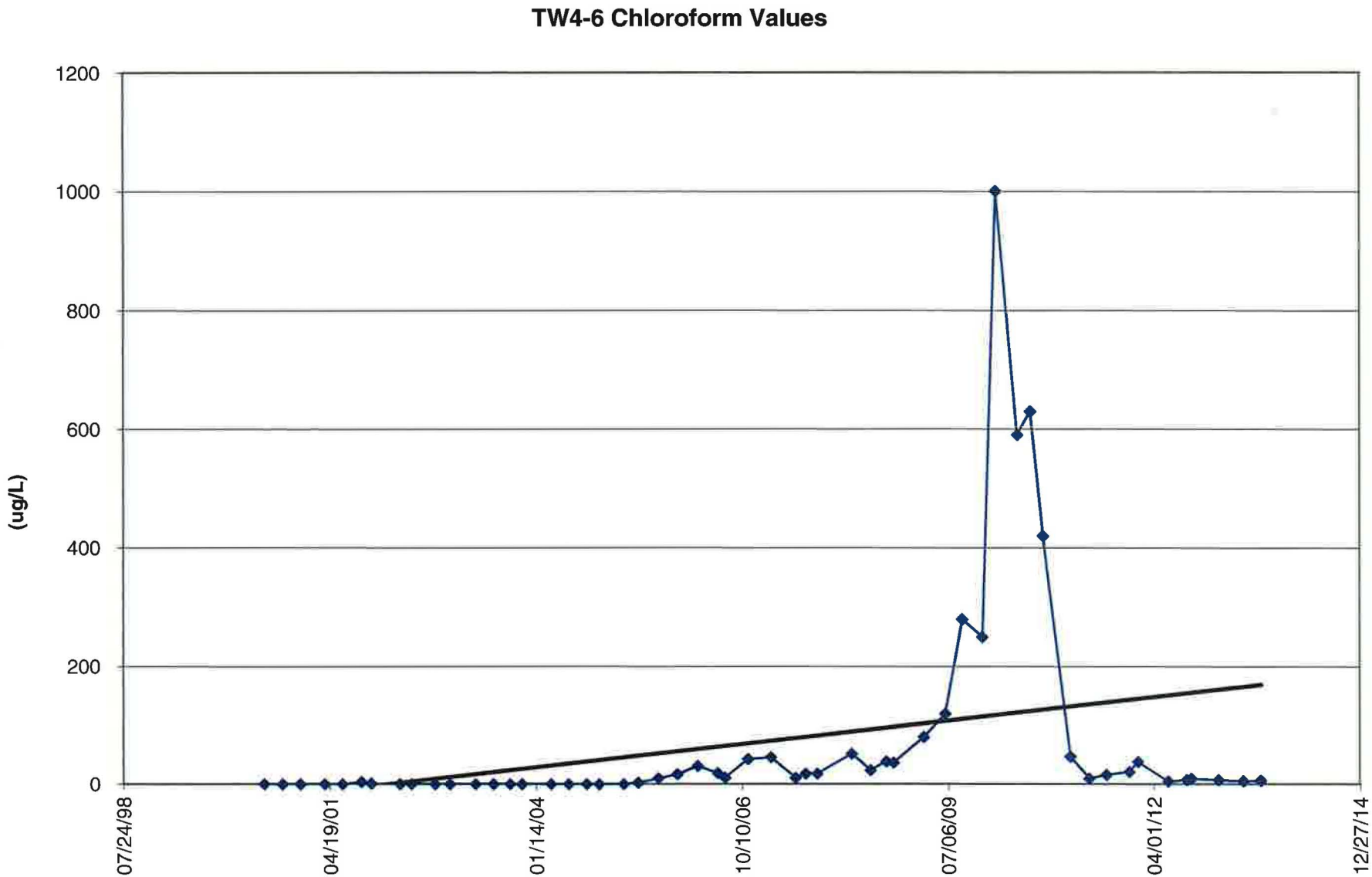


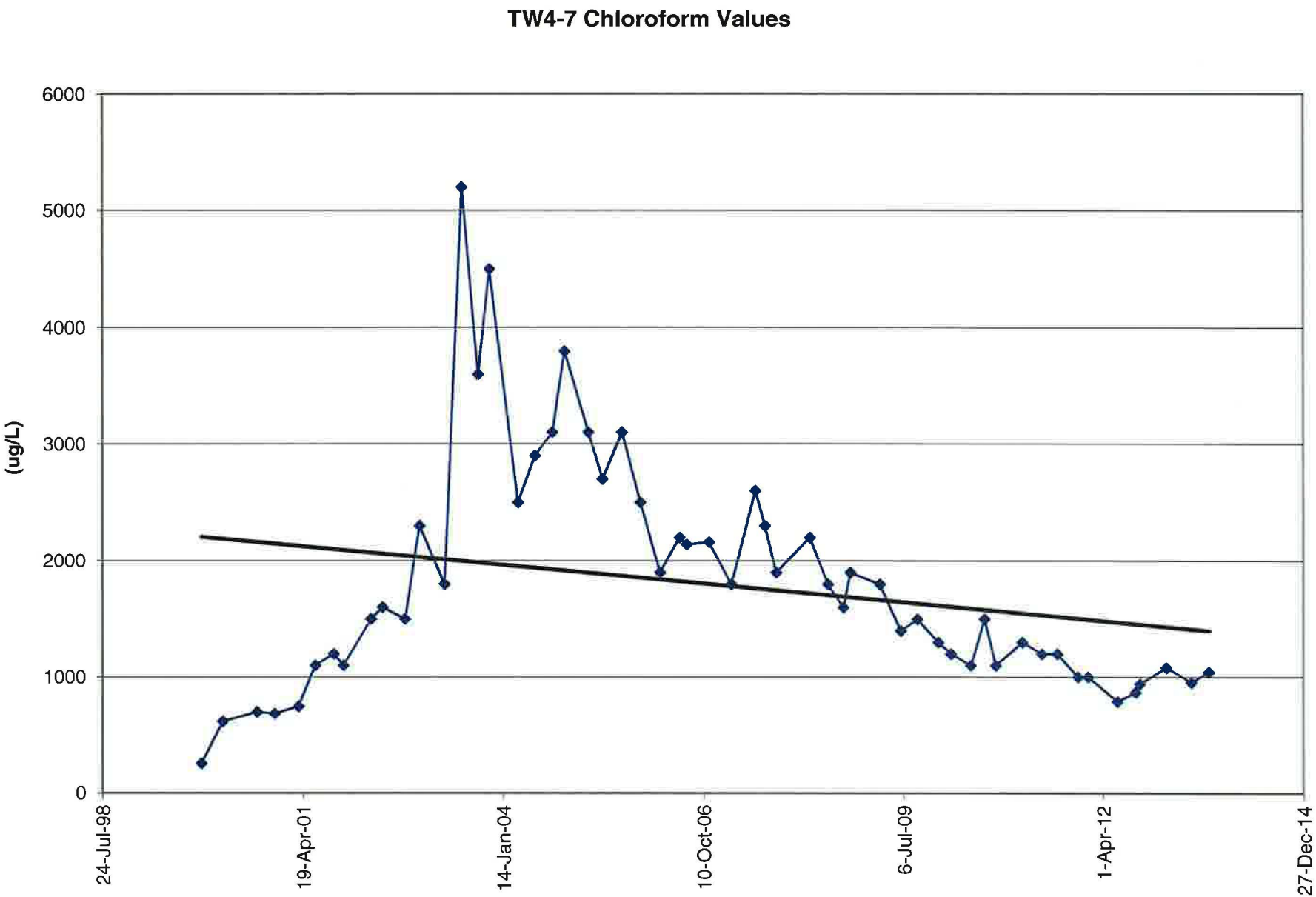
TW-4-3 Chloroform Values

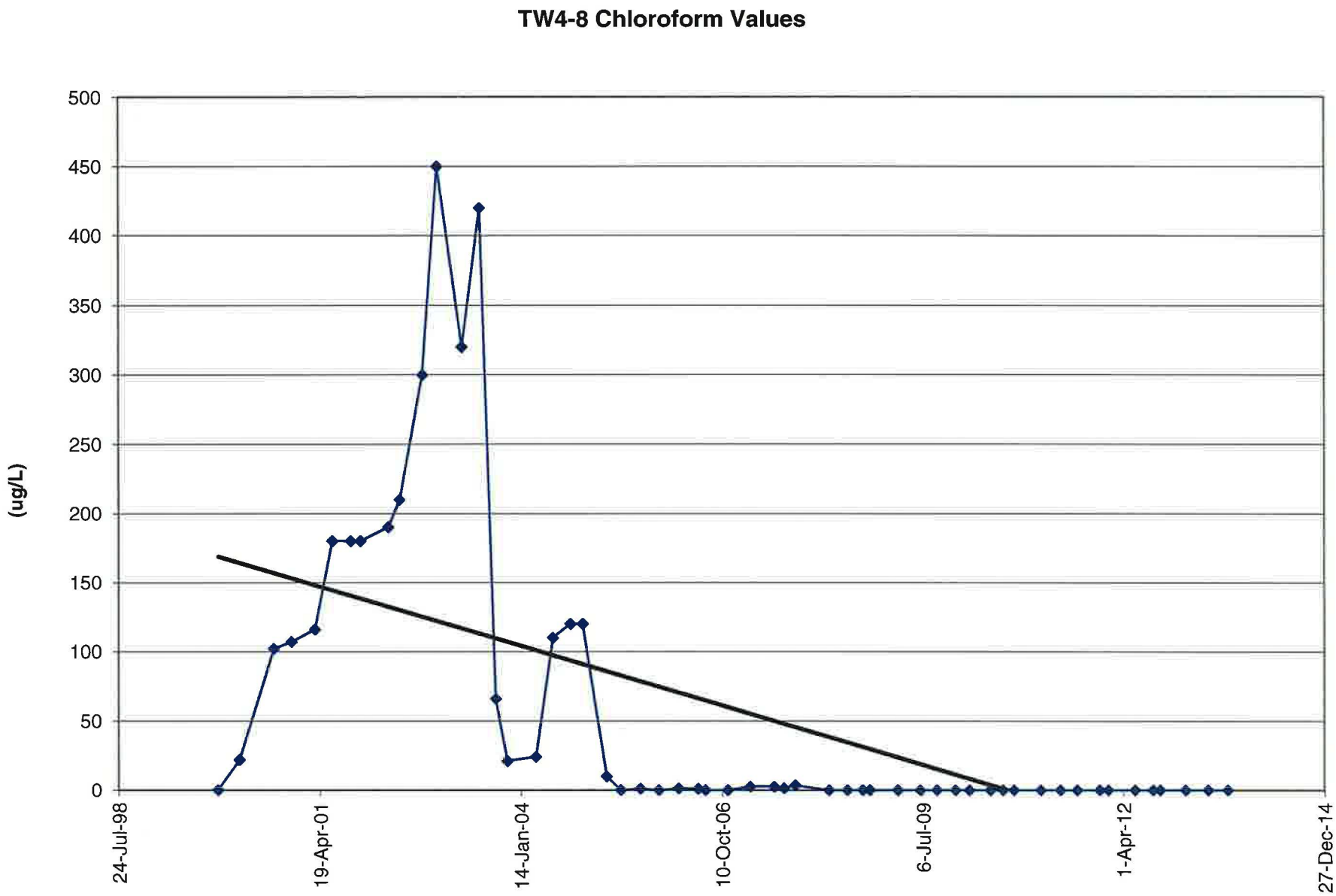



TW4-4 Chloroform Values
4500
4000
3500
3000
2500
2000
1500
1000
500
0
(ug/L)
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14

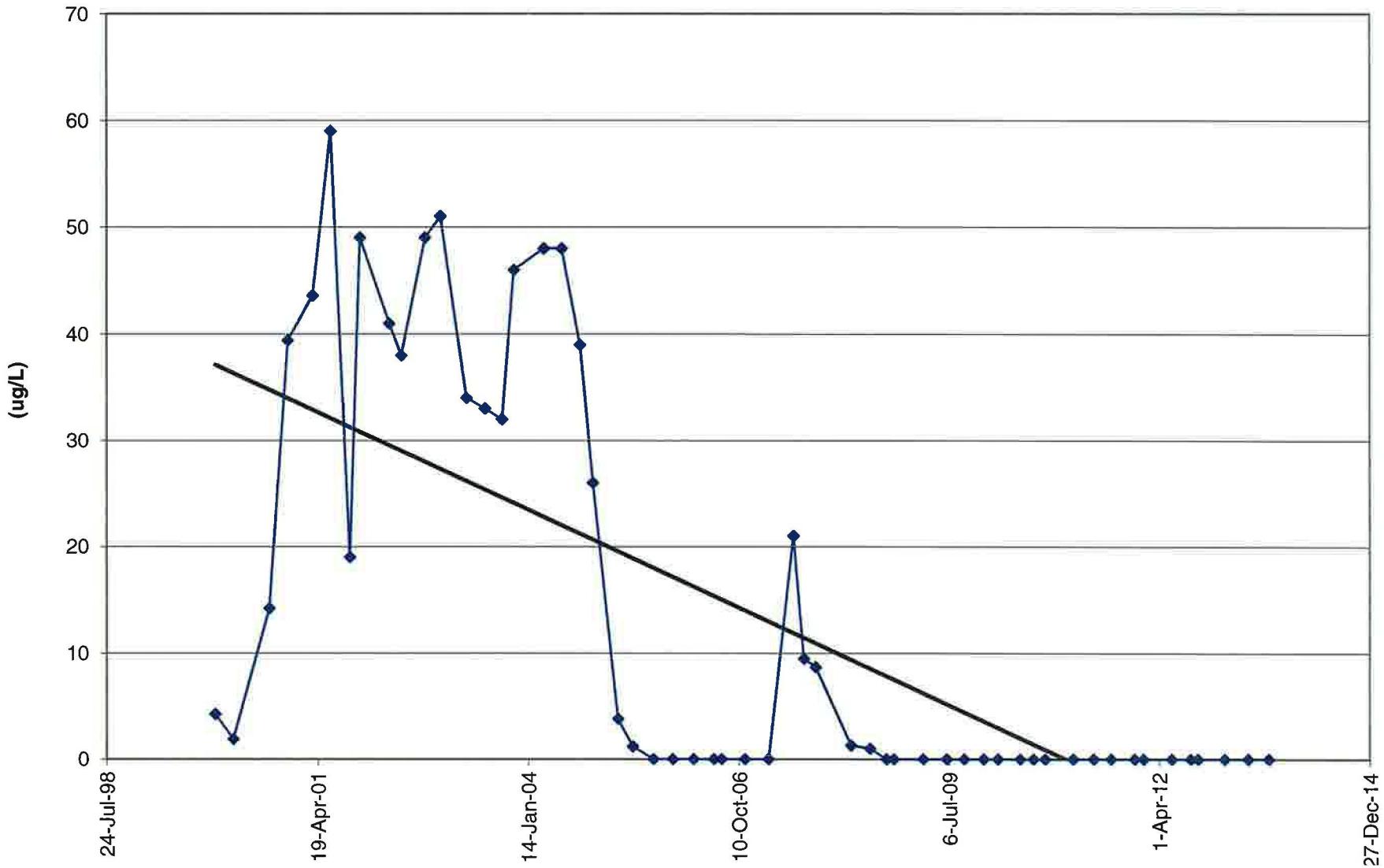

TW4-5 Chloroform Values
(ug/L)
350
300
250
200
150
100
50
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14

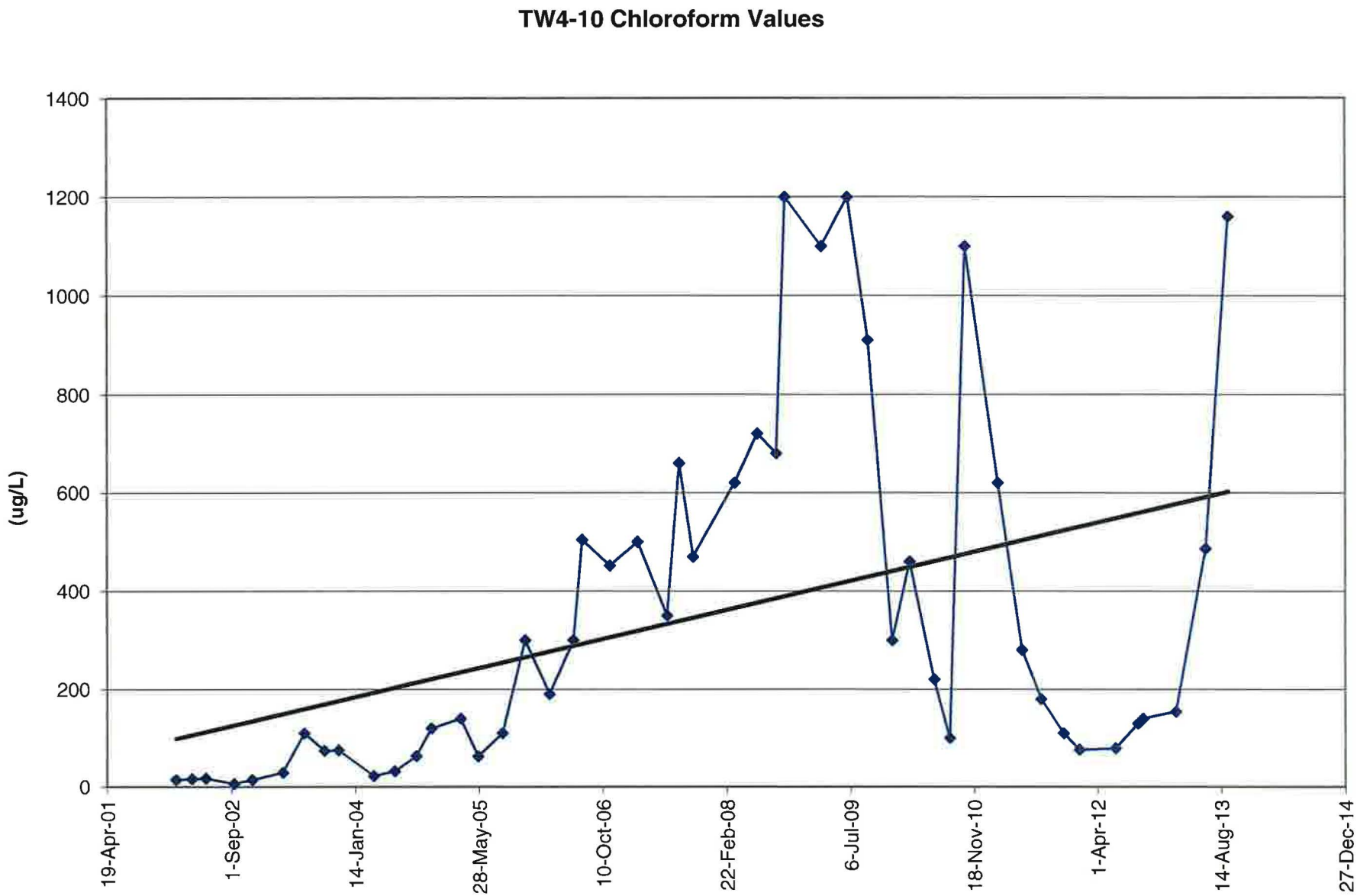

TW4-6 Chloroform Values
1200
1000
800
600
400
200
0
(ug/L)
07/24/98
04/19/01
01/14/04
10/10/06
07/06/09
04/01/12
12/27/14

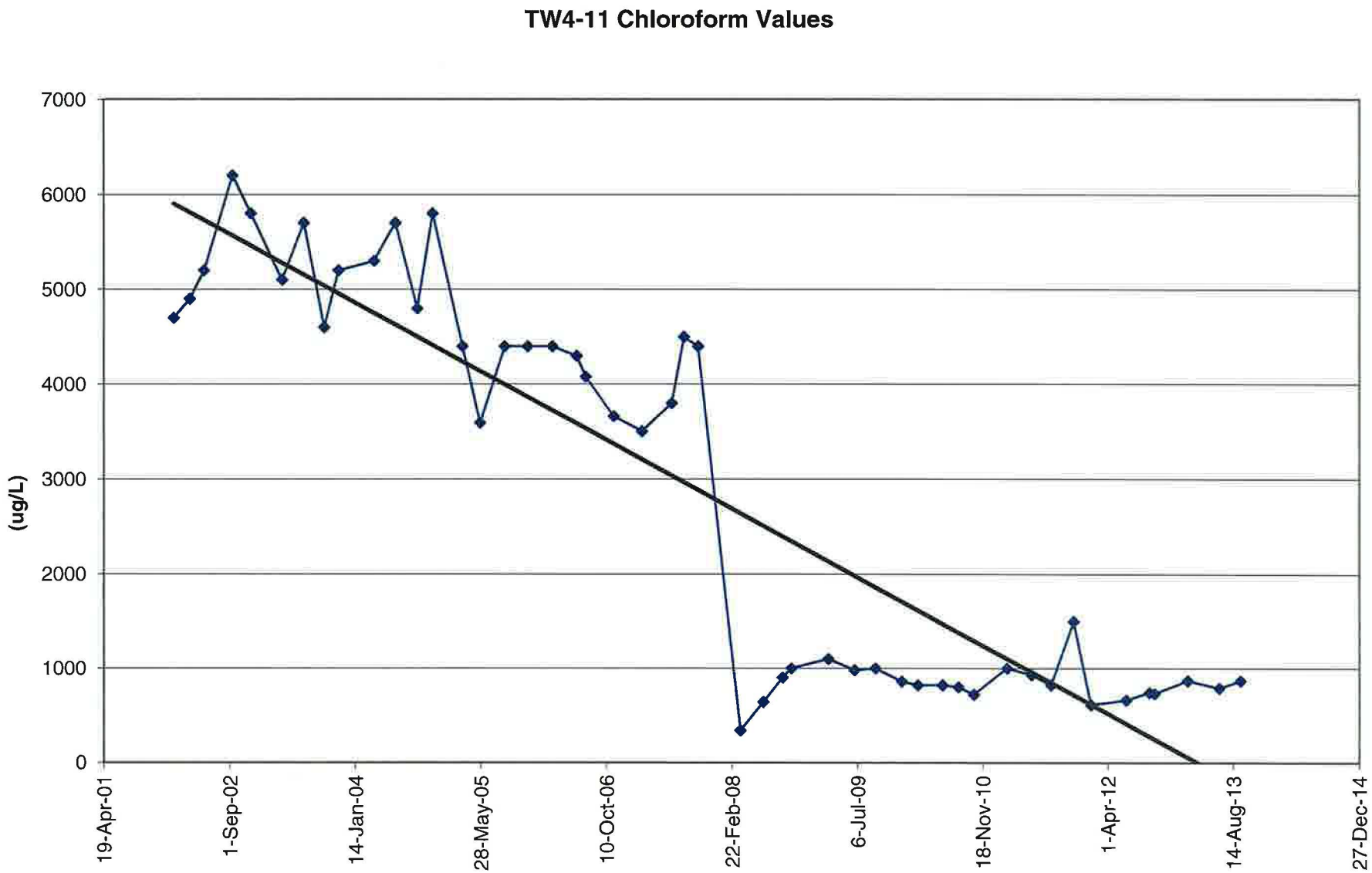

TW4-7 Chloroform Values
6000
5000
4000
3000
2000
1000
0
(ug/L)
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14


TW4-8 Chloroform Values
(ug/L)
500
450
400
350
300
250
200
150
100
50
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14

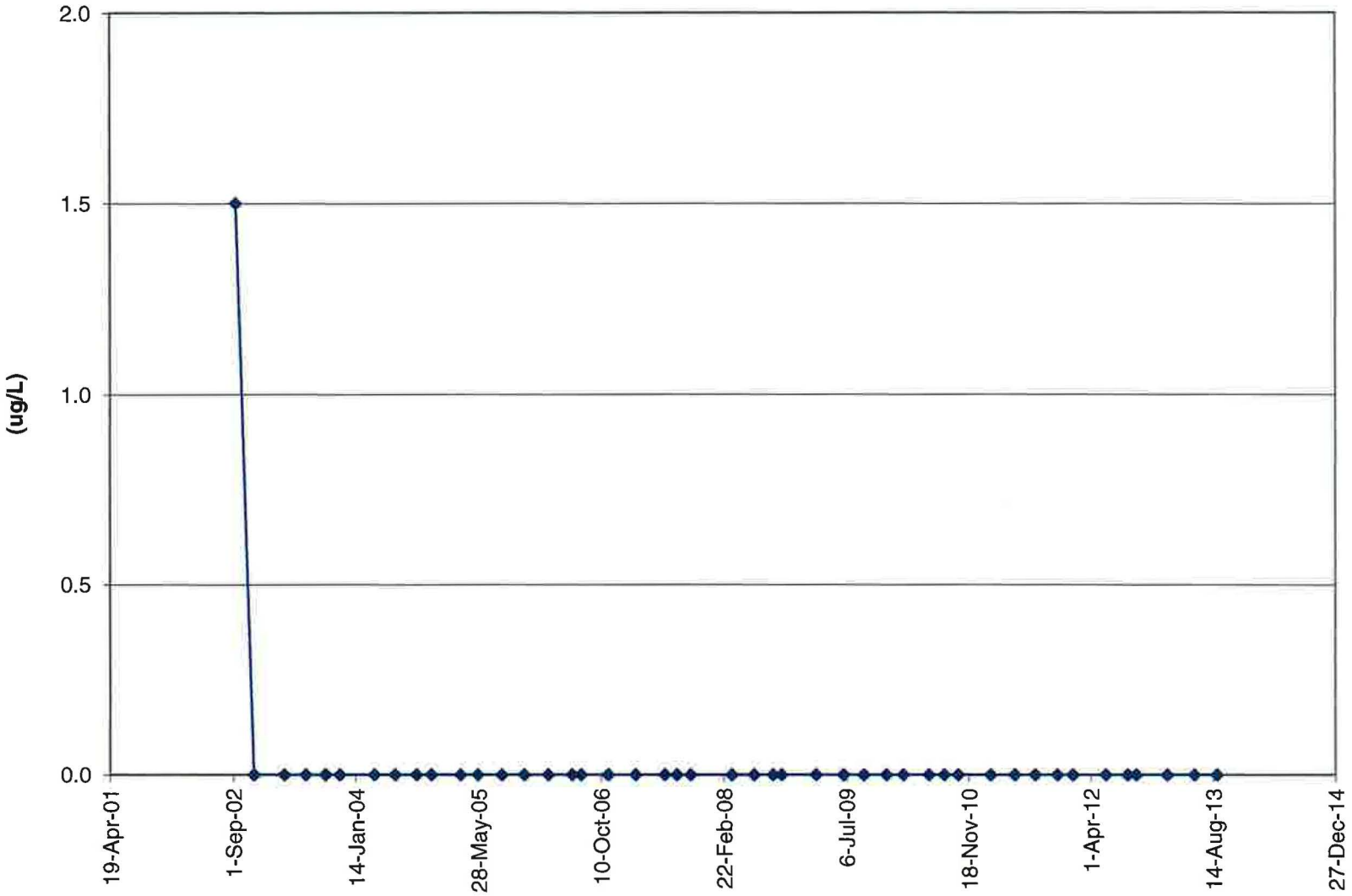
TW4-9 Chloroform Values

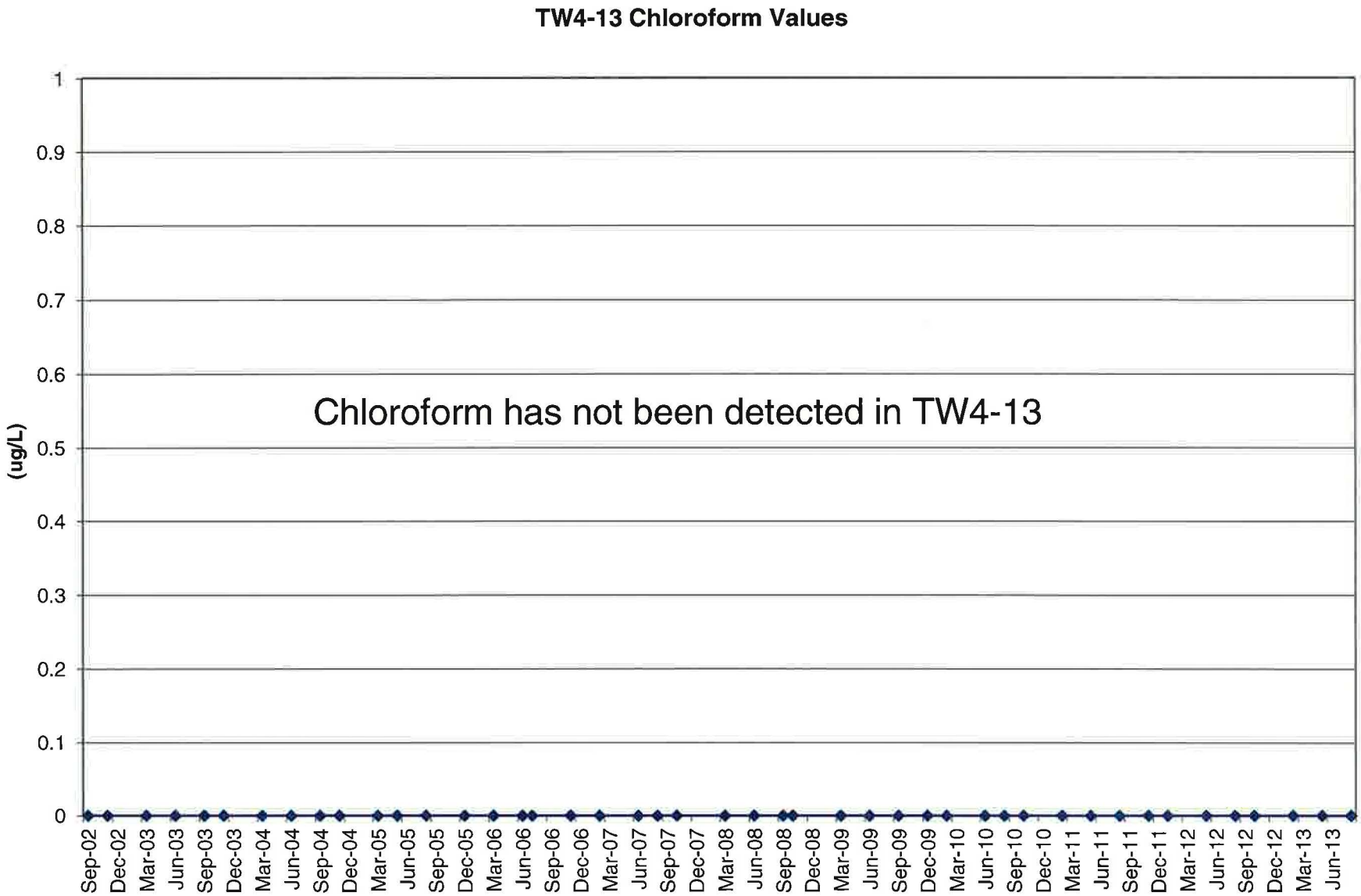



TW4-10 Chloroform Values
(ug/L)
1400
1200
1000
800
600
400
200
0
19-Apr-01
1-Sep-02
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

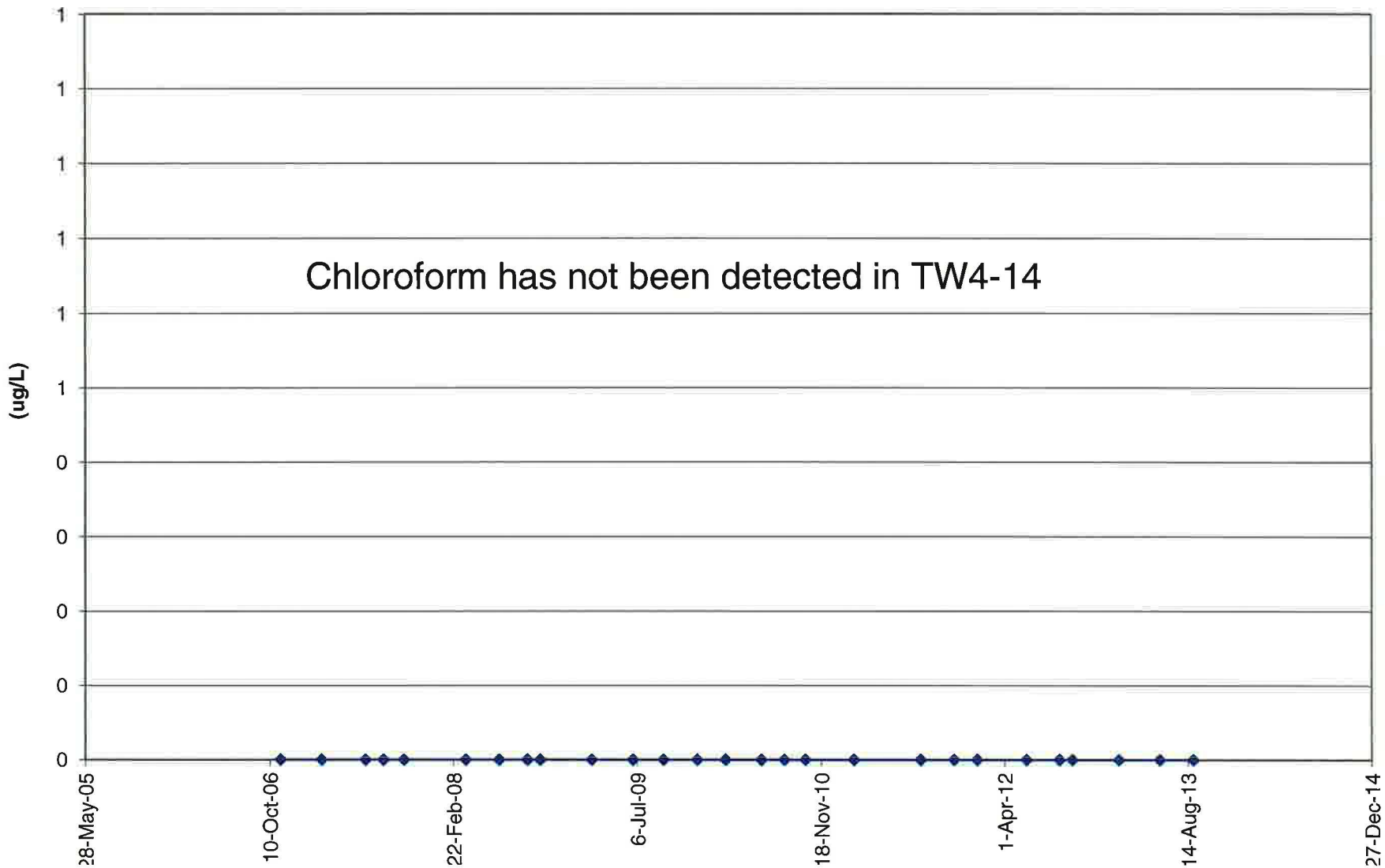

TW4-11 Chloroform Values
(ug/L)
7000
6000
5000
4000
3000
2000
1000
0
19-Apr-01
1-Sep-02
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

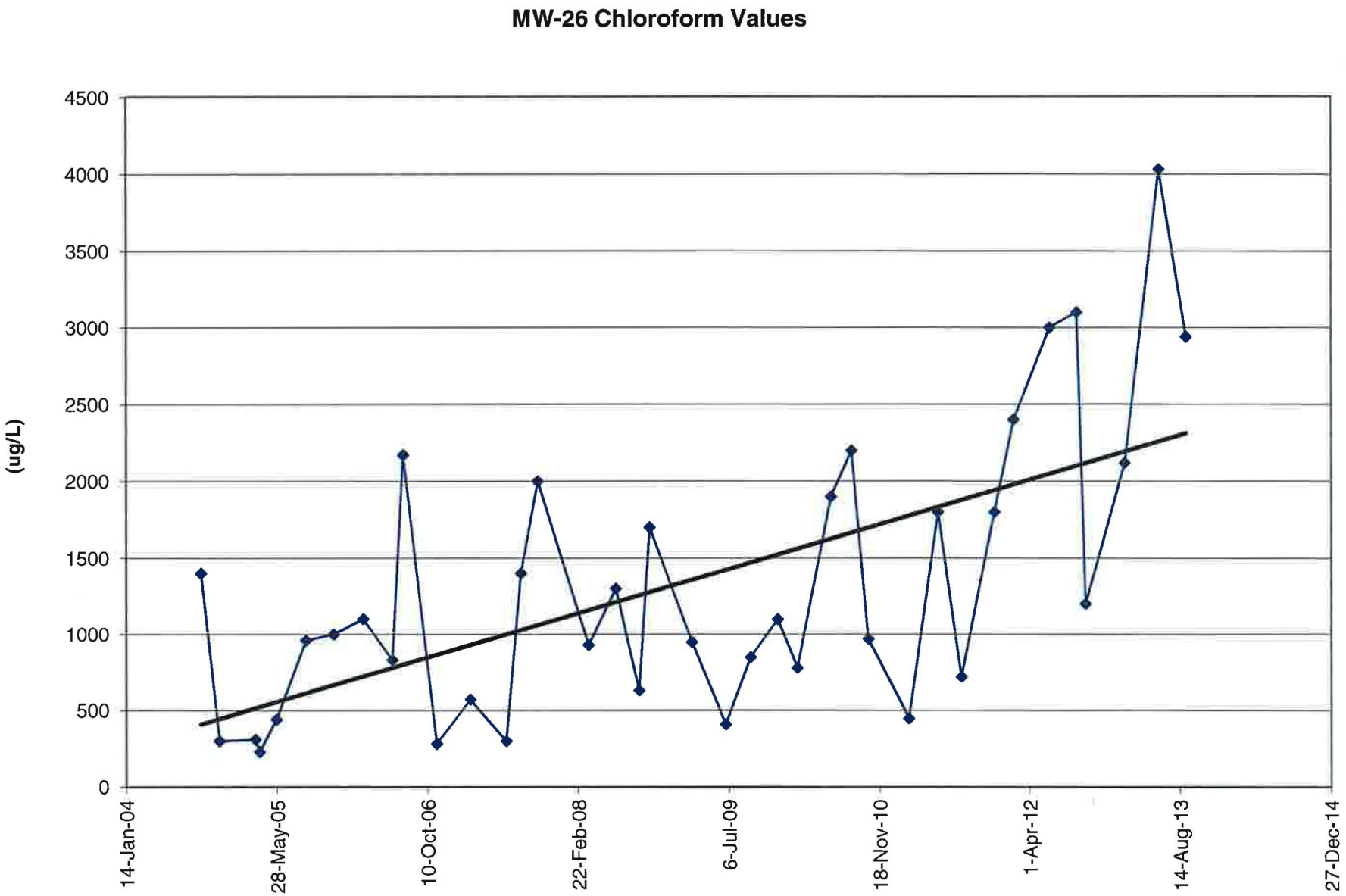
TW4-12 Chloroform Values

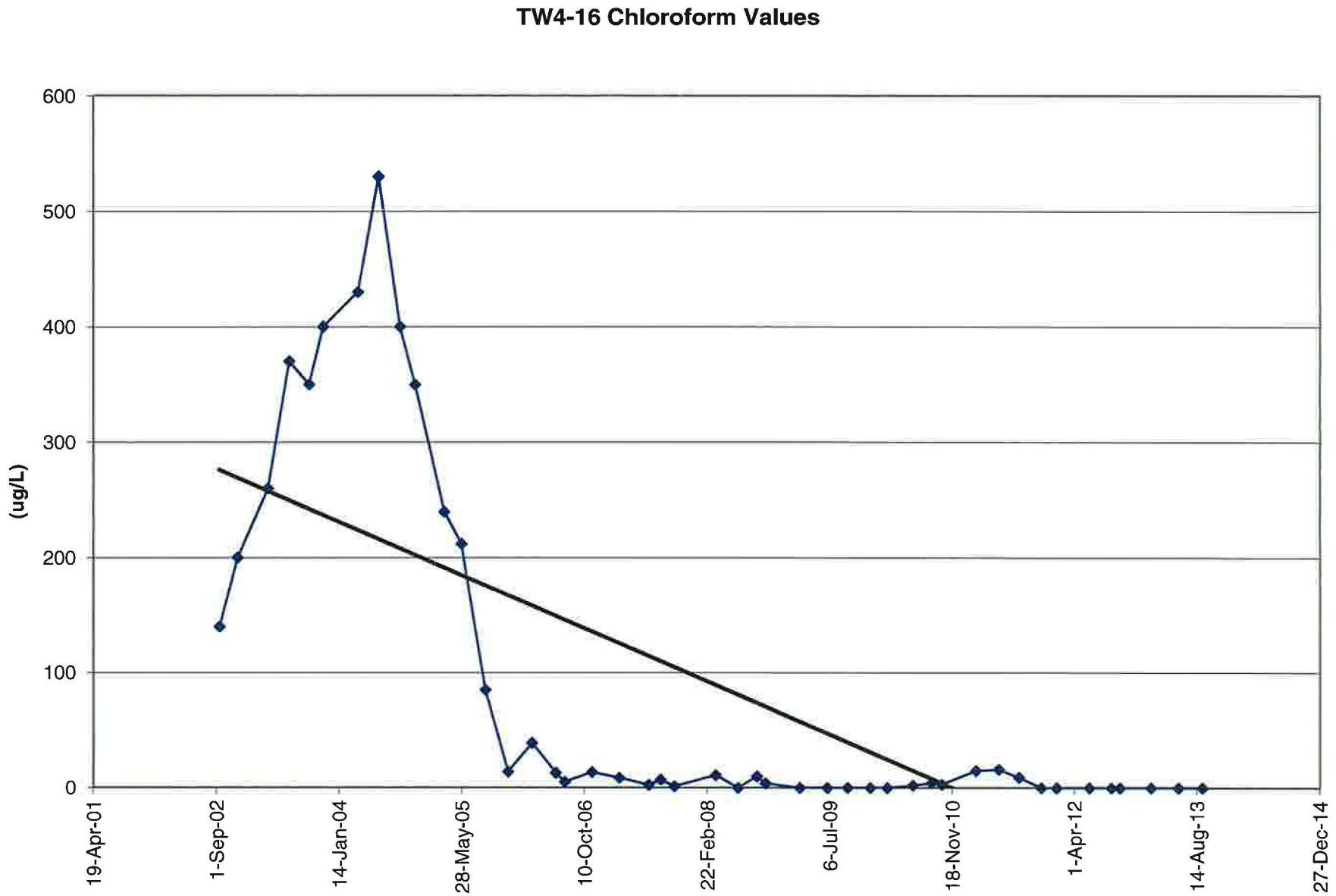



TW4-13 Chloroform Values
(ug/L)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Chloroform has not been detected in TW4-13
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Mar-06
Jun-06
Sep-06
Dec-06
Mar-07
Jun-07
Sep-07
Dec-07
Mar-08
Jun-08
Sep-08
Dec-08
Mar-09
Jun-09
Sep-09
Dec-09
Mar-10
Jun-10
Sep-10
Dec-10
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12
Jun-12
Sep-12
Dec-12
Mar-13
Jun-13

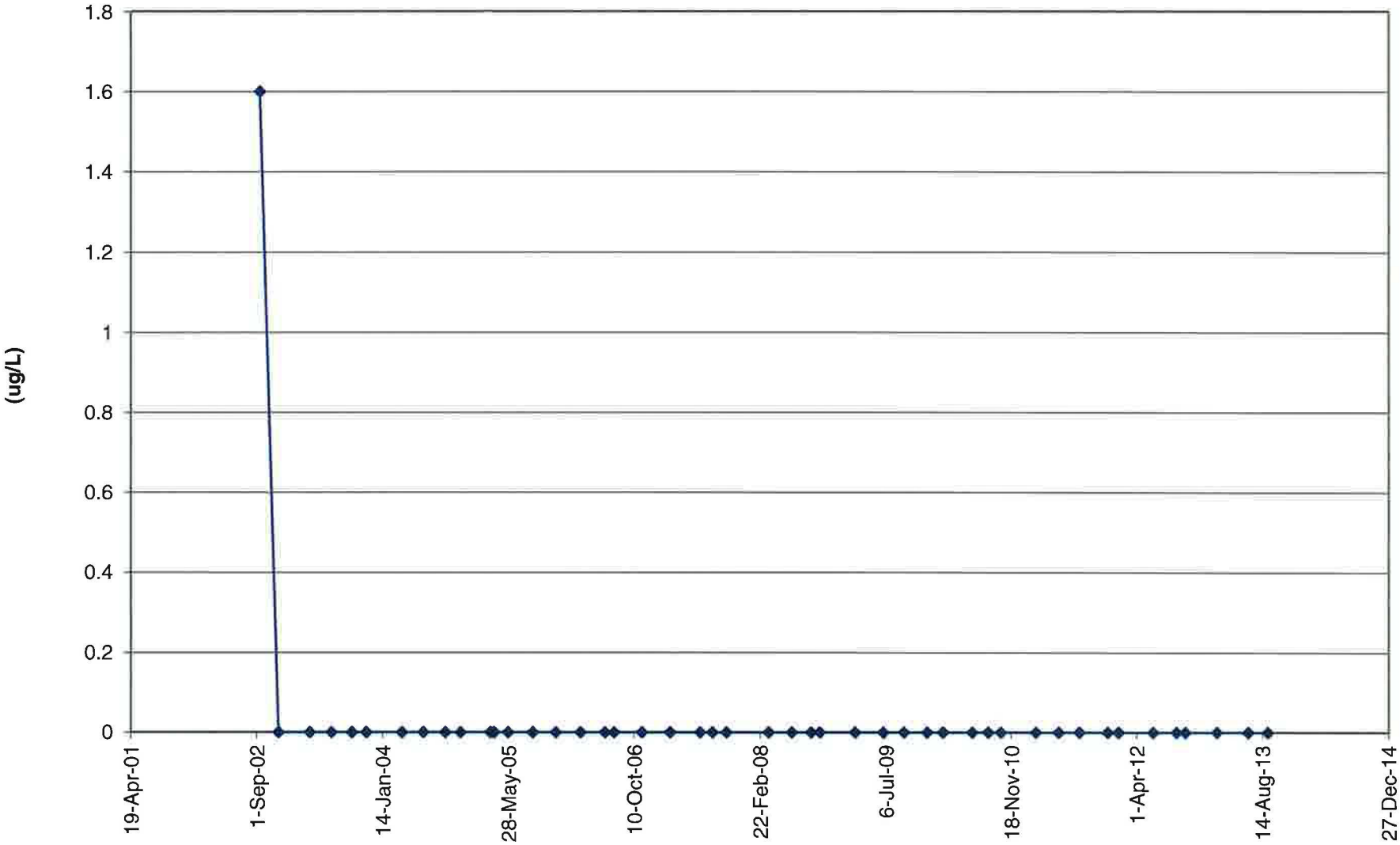
TW4-14 Chloroform Values



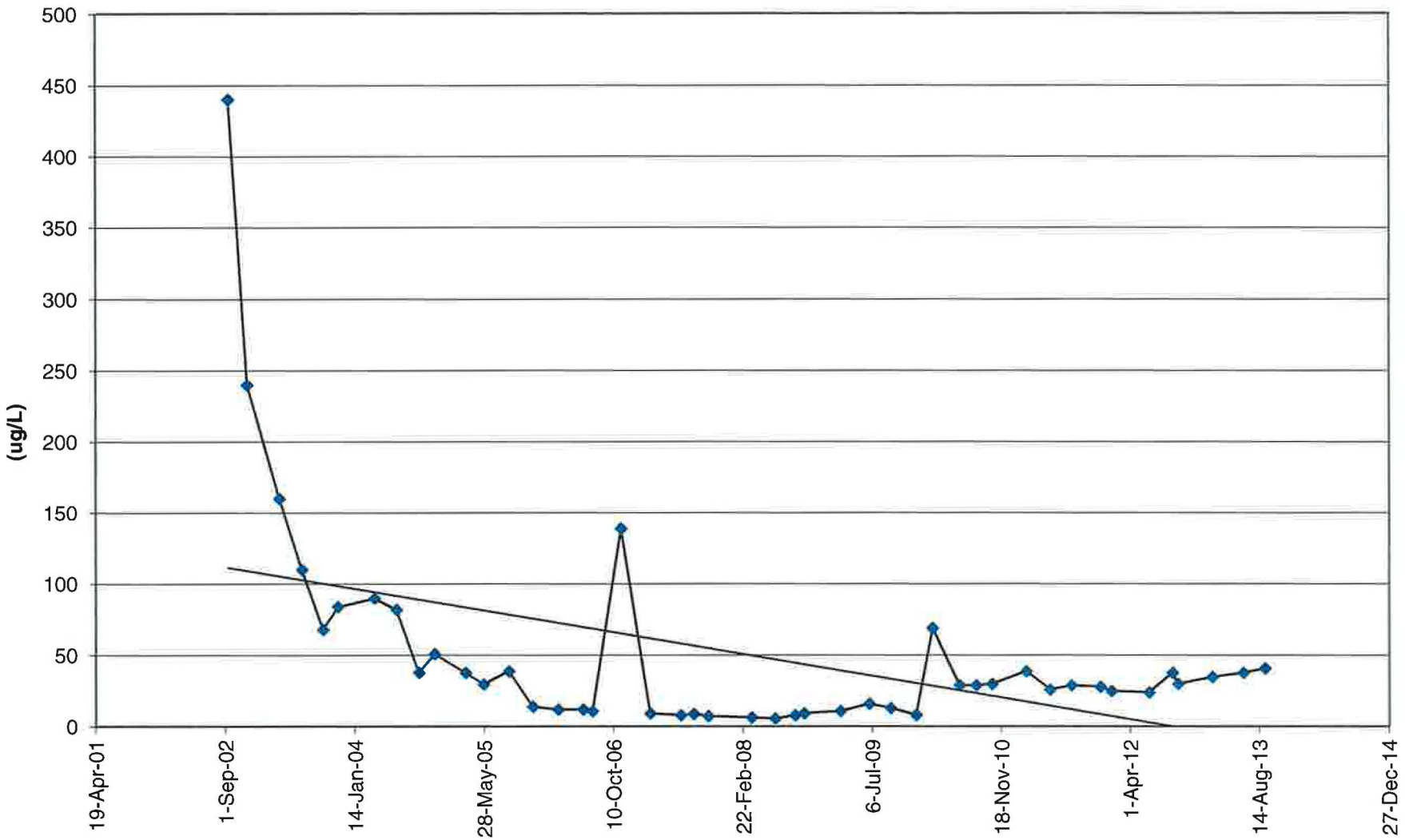

MW-26 Chloroform Values
(ug/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

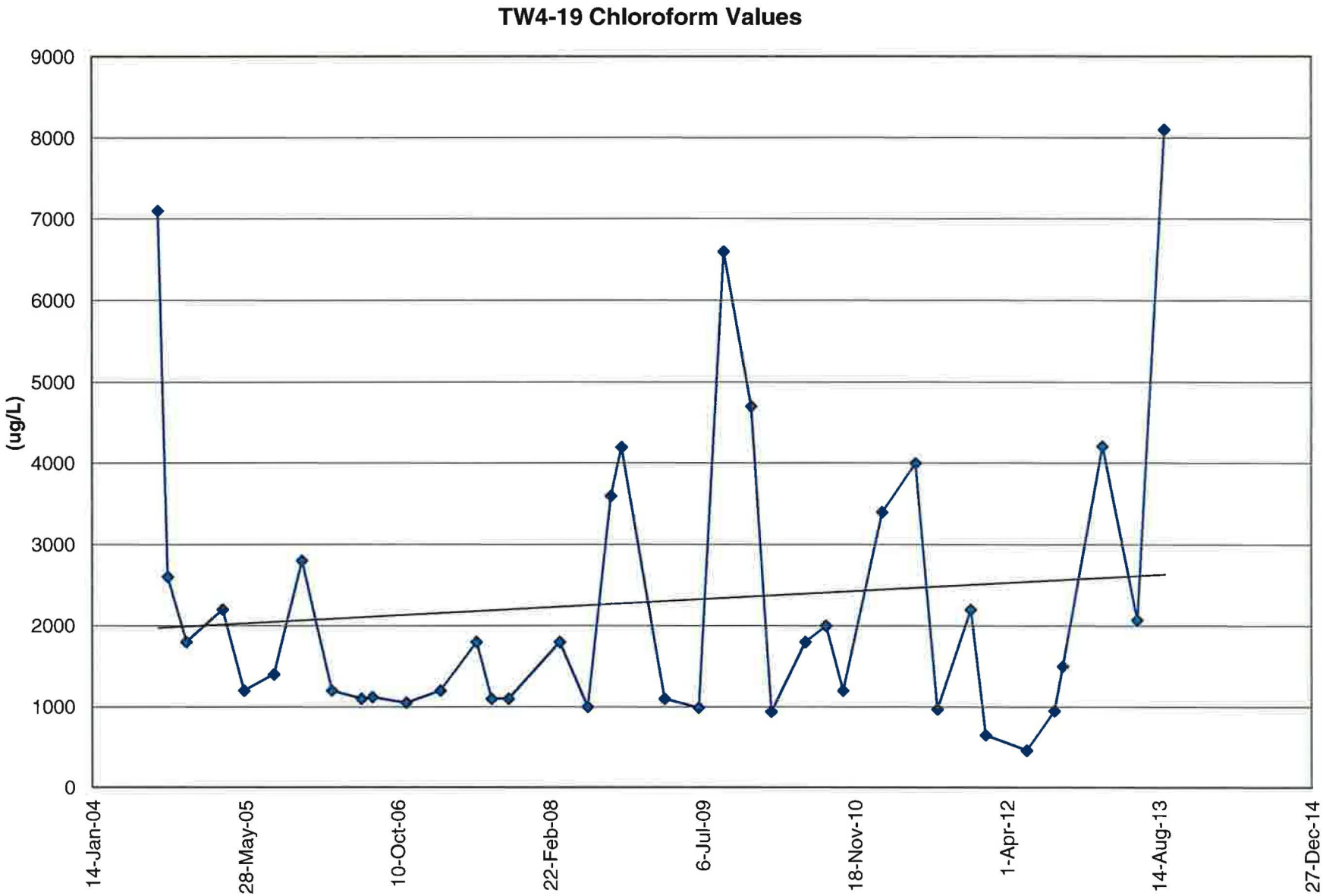

TW4-16 Chloroform Values
600
500
400
300
200
100
0
(ug/L)
19-Apr-01
1-Sep-02
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

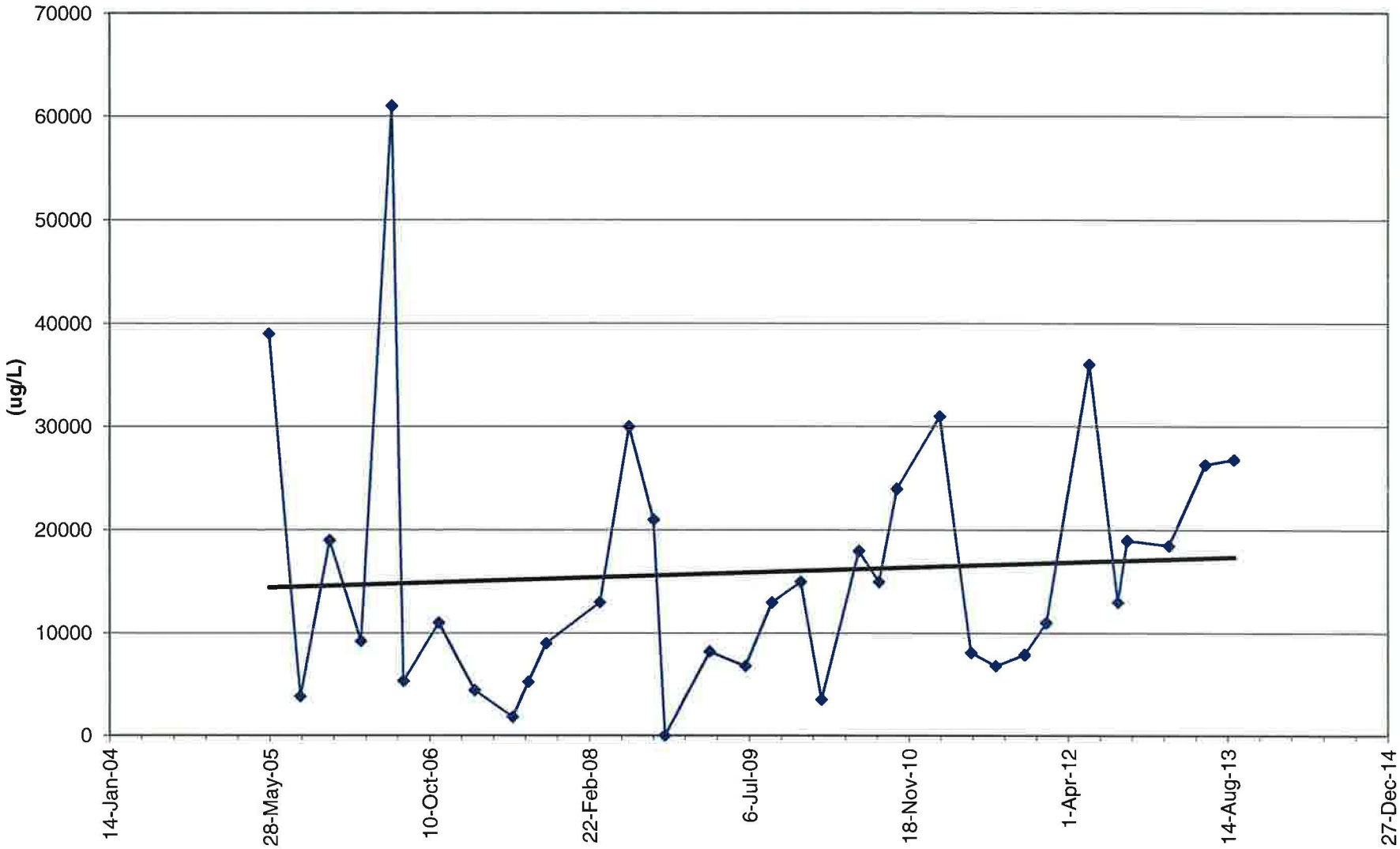
MW-32 Chloroform Values

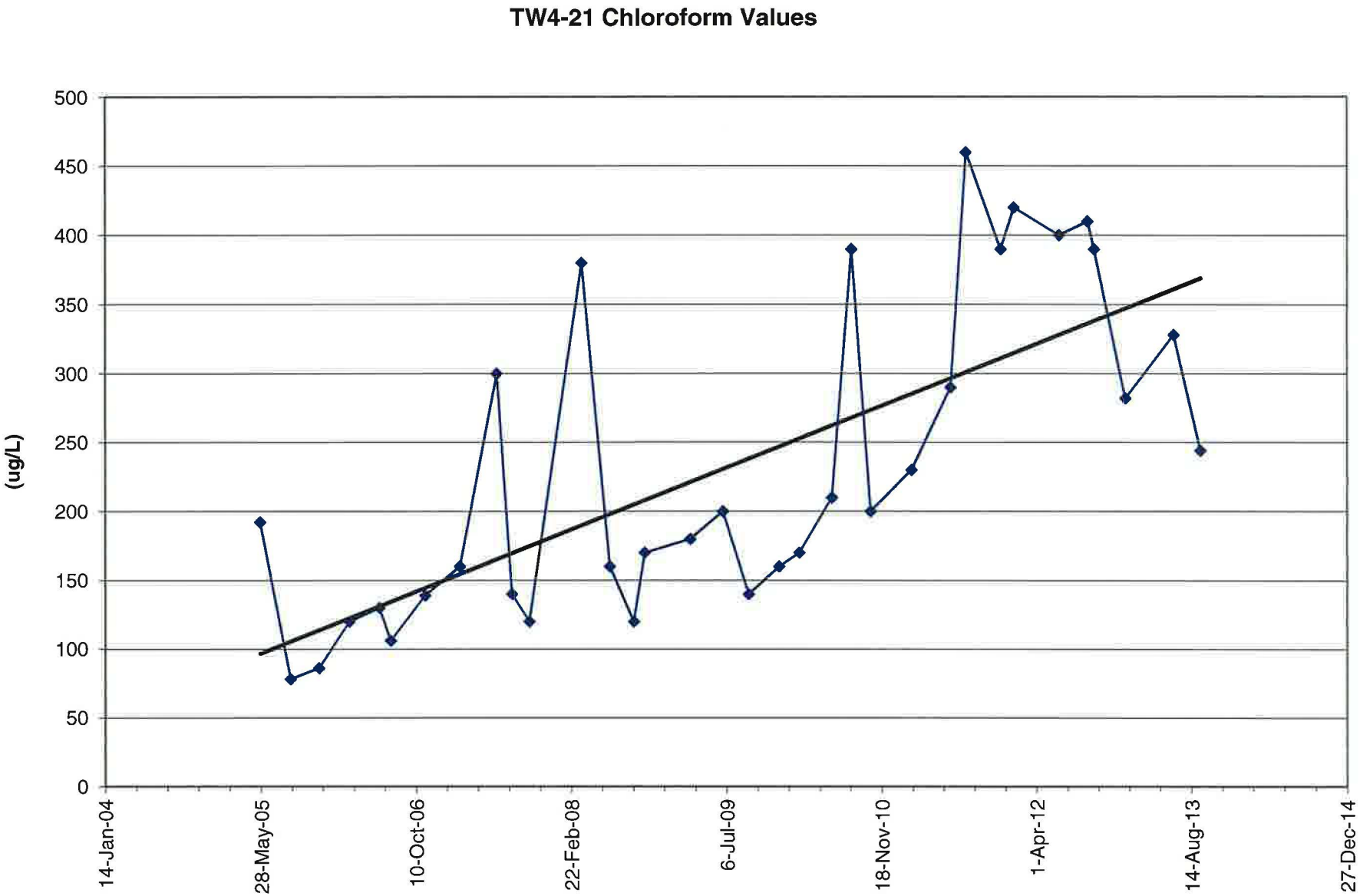


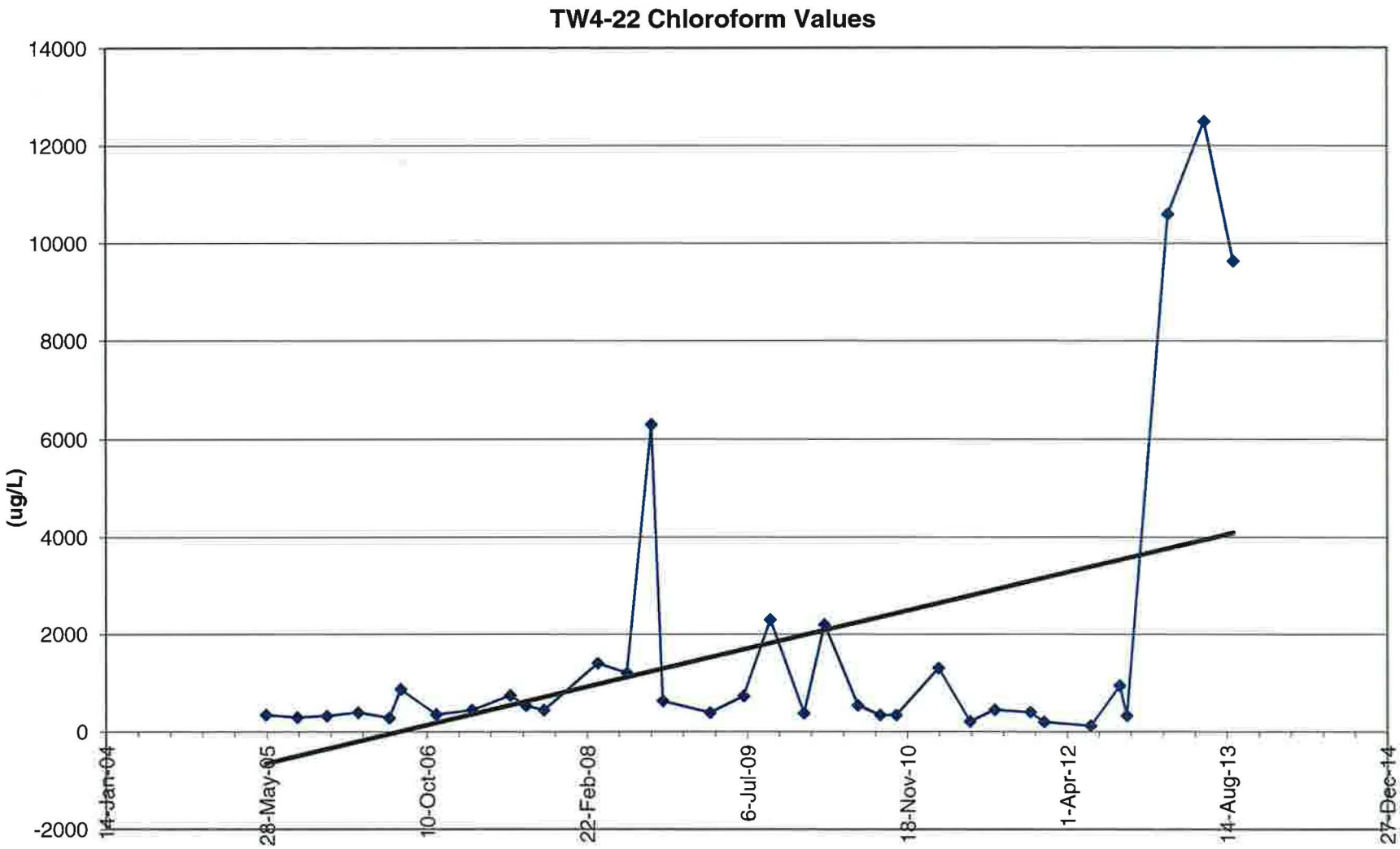
TW4-18 Chloroform Values

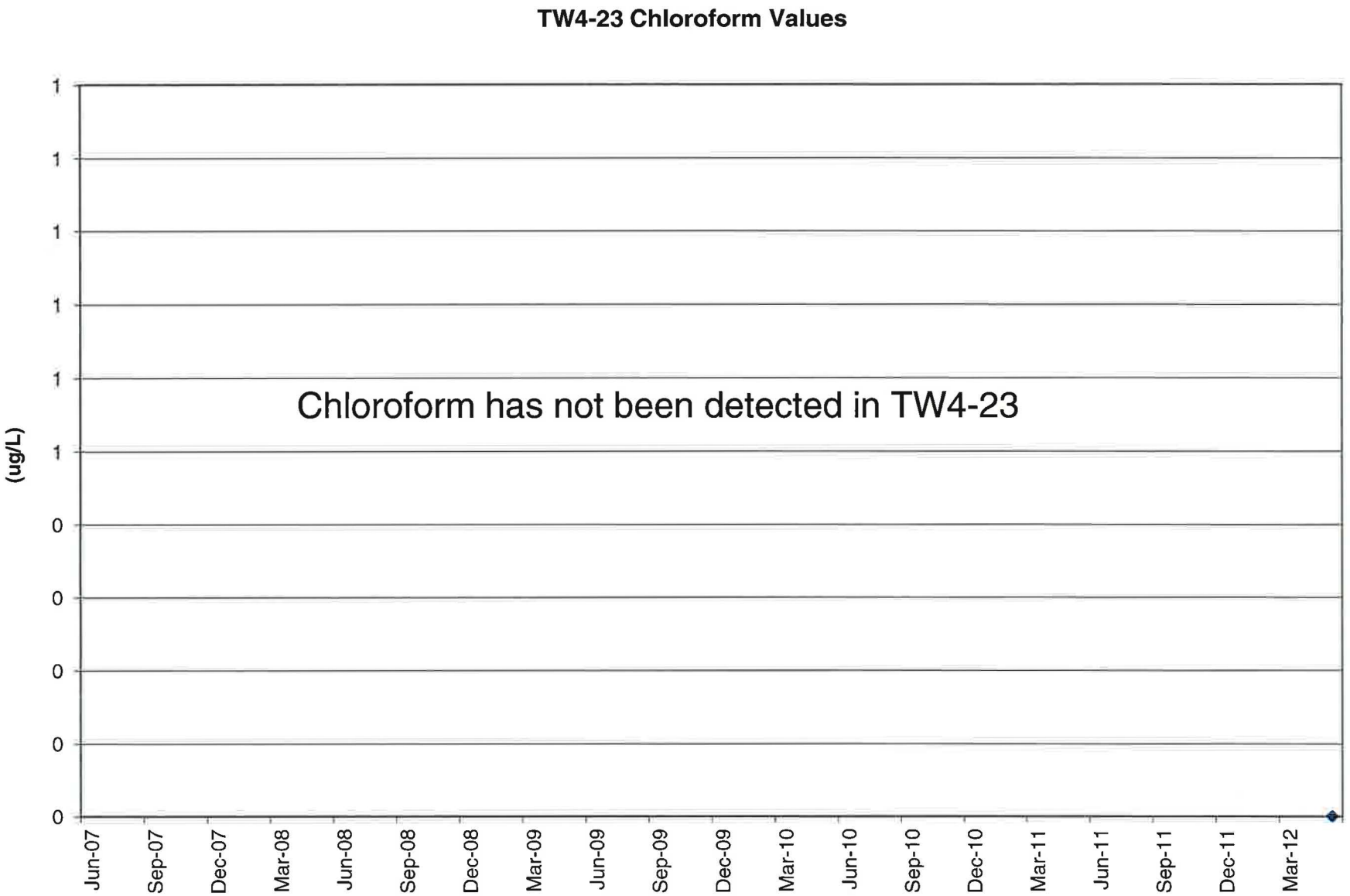



TW4-19 Chloroform Values
(ug/L)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

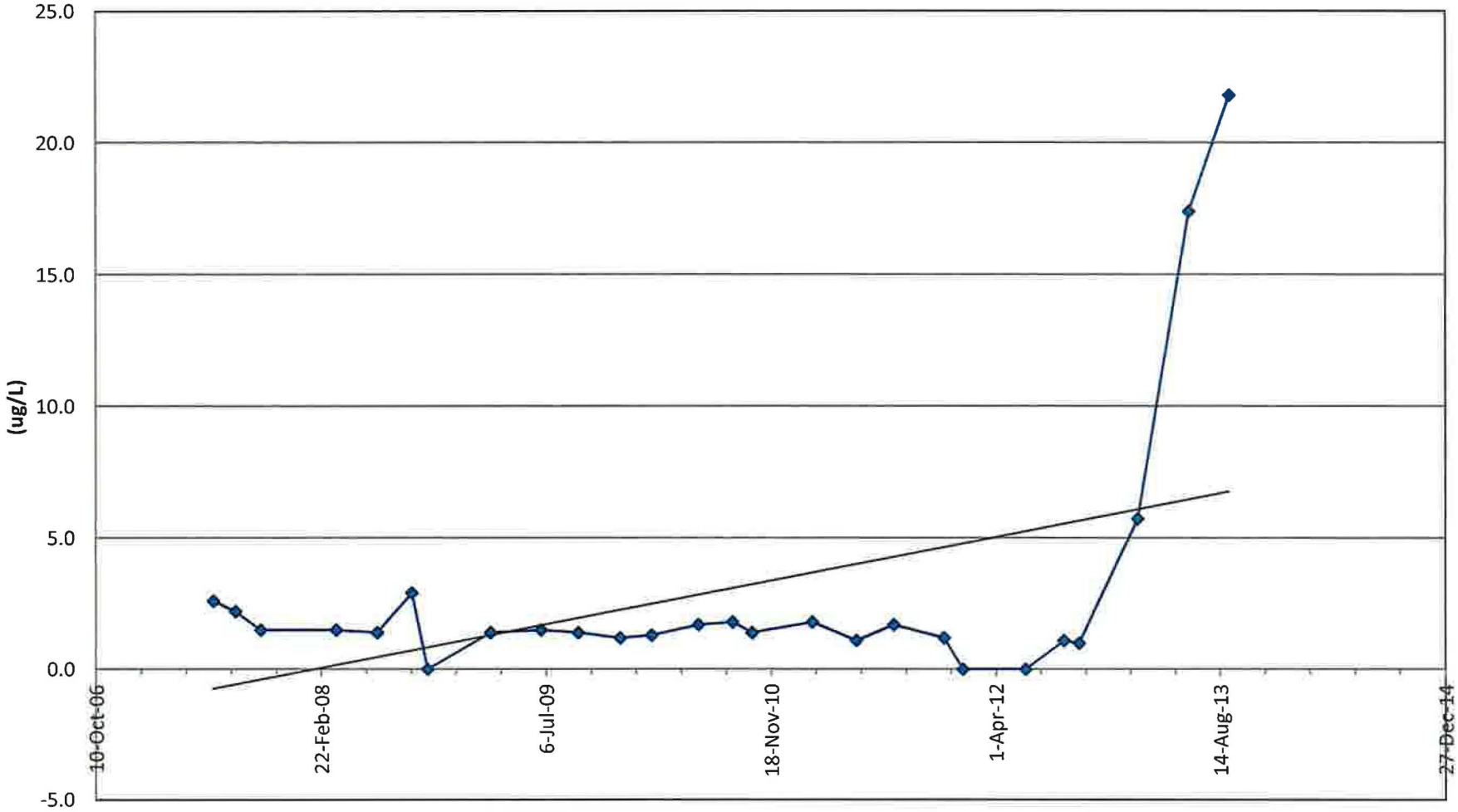

TW4-20 Chloroform Values
70000
60000
50000
40000
30000
20000
10000
0
(ug/L)
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14


TW4-21 Chloroform Values
(ug/L)
500
450
400
350
300
250
200
150
100
50
0
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

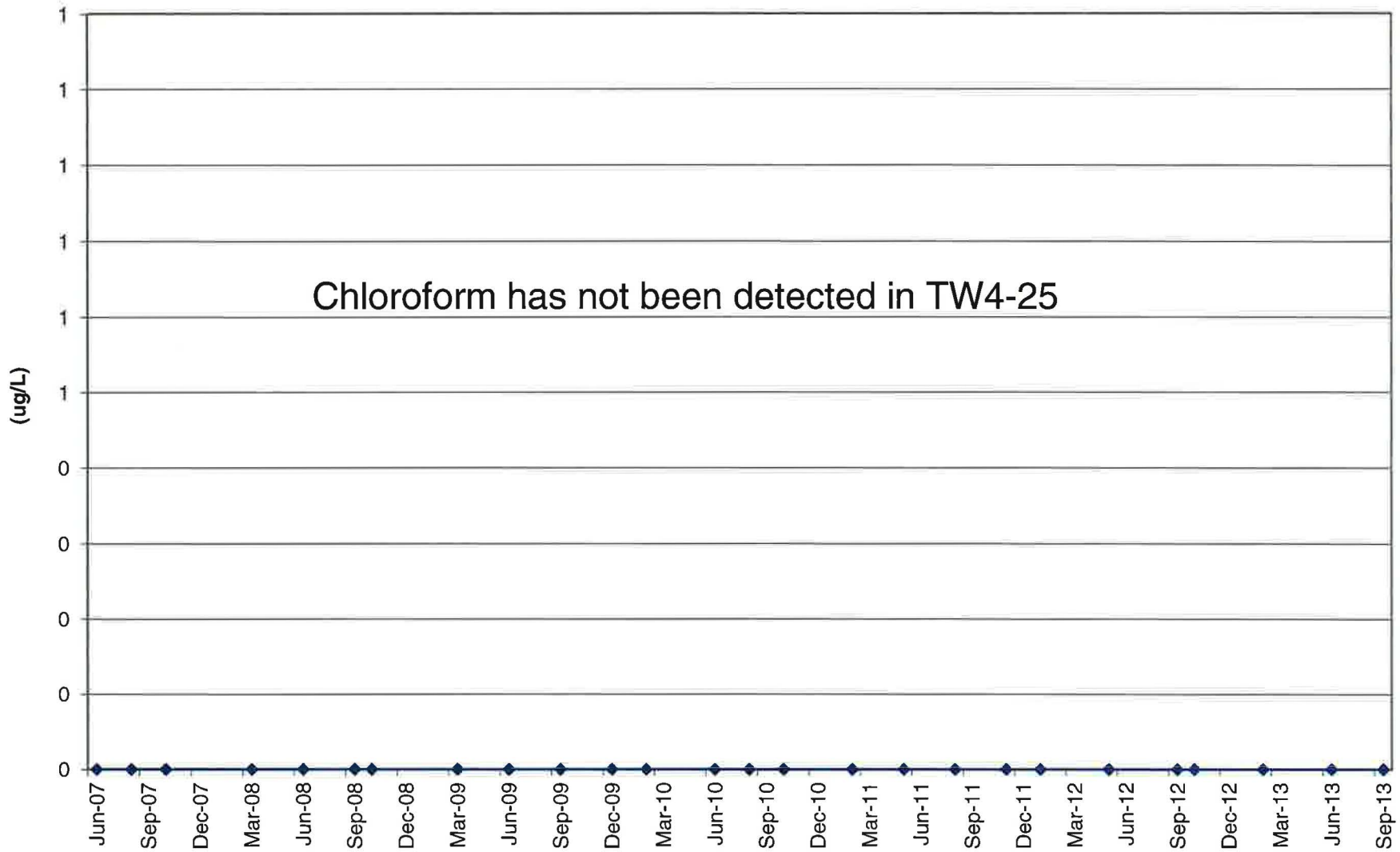

TW4-22 Chloroform Values
14000
12000
10000
8000
6000
4000
2000
0
-2000
(ug/L)
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

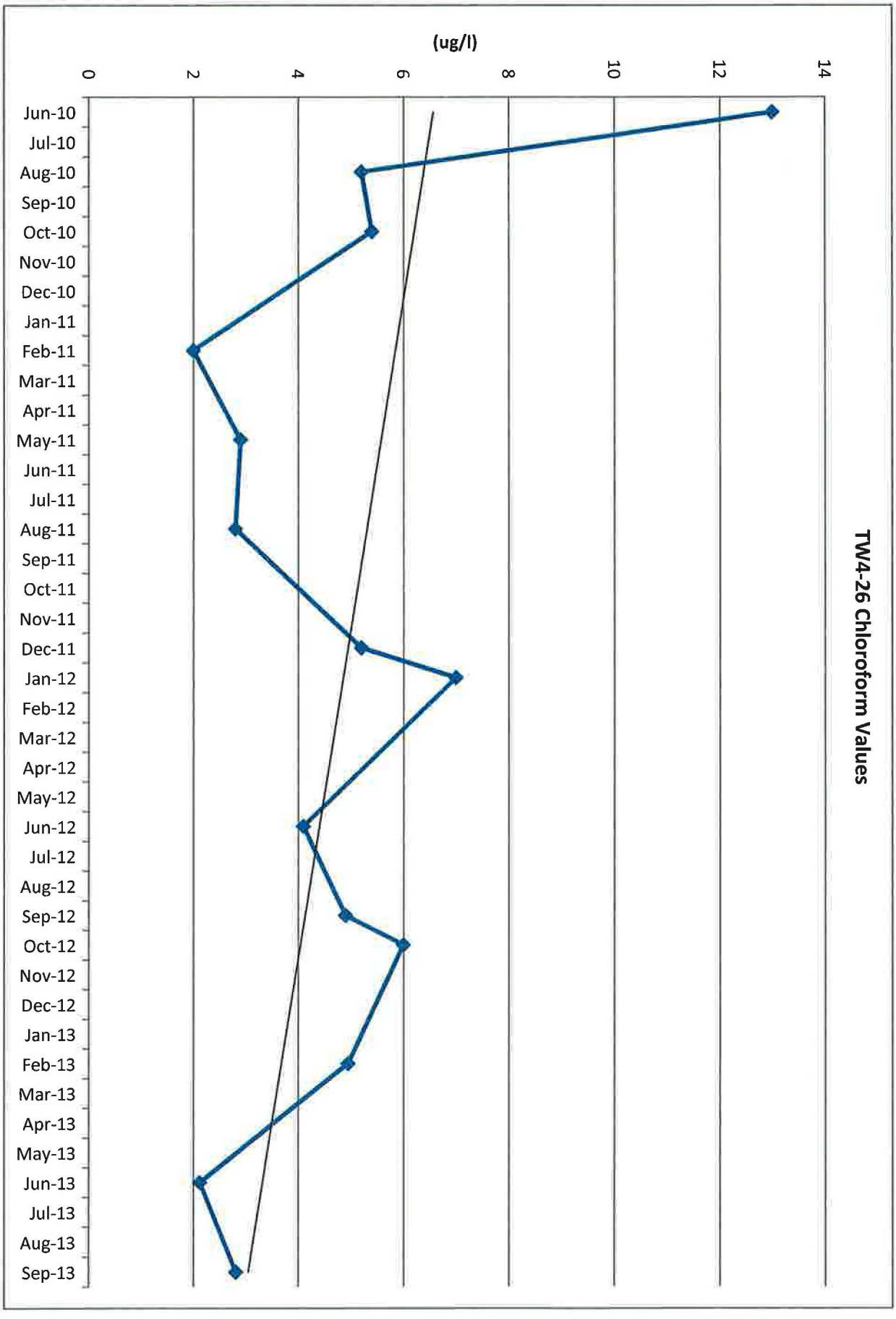

TW4-23 Chloroform Values
(ug/L)
1
1
1
1
1
1
0
0
0
0
0
Chloroform has not been detected in TW4-23
Jun-07
Sep-07
Dec-07
Mar-08
Jun-08
Sep-08
Dec-08
Mar-09
Jun-09
Sep-09
Dec-09
Mar-10
Jun-10
Sep-10
Dec-10
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12

TW4-24 Chloroform Values



TW4-25 Chloroform Values




TW4-26 Chloroform Values
(ug/l)
0
2
4
6
8
10
12
14
Jun-10
Jul-10
Aug-10
Sep-10
Oct-10
Nov-10
Dec-10
Jan-11
Feb-11
Mar-11
Apr-11
May-11
Jun-11
Jul-11
Aug-11
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Oct-11
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Jan-12
Feb-12
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May-12
Jun-12
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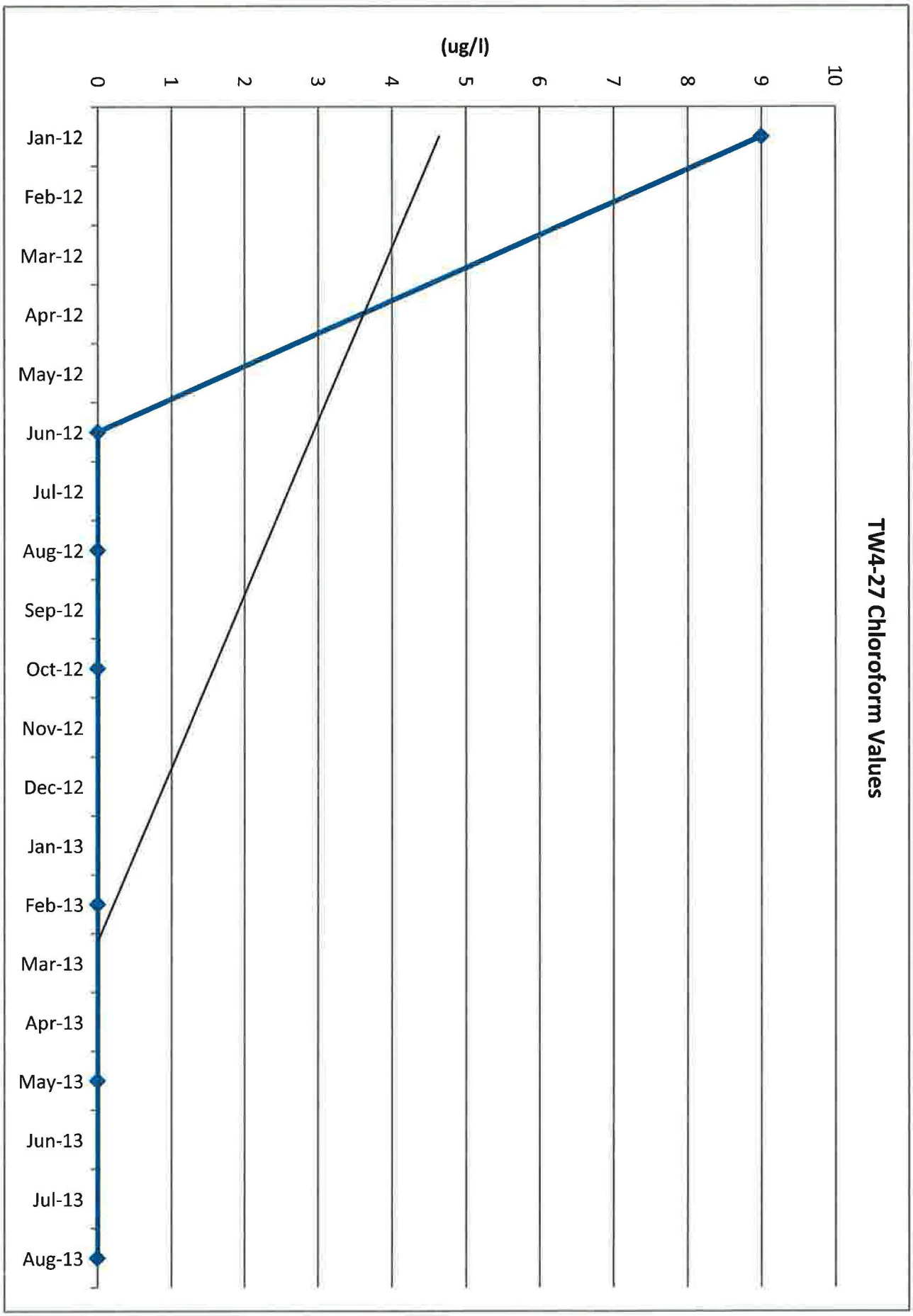
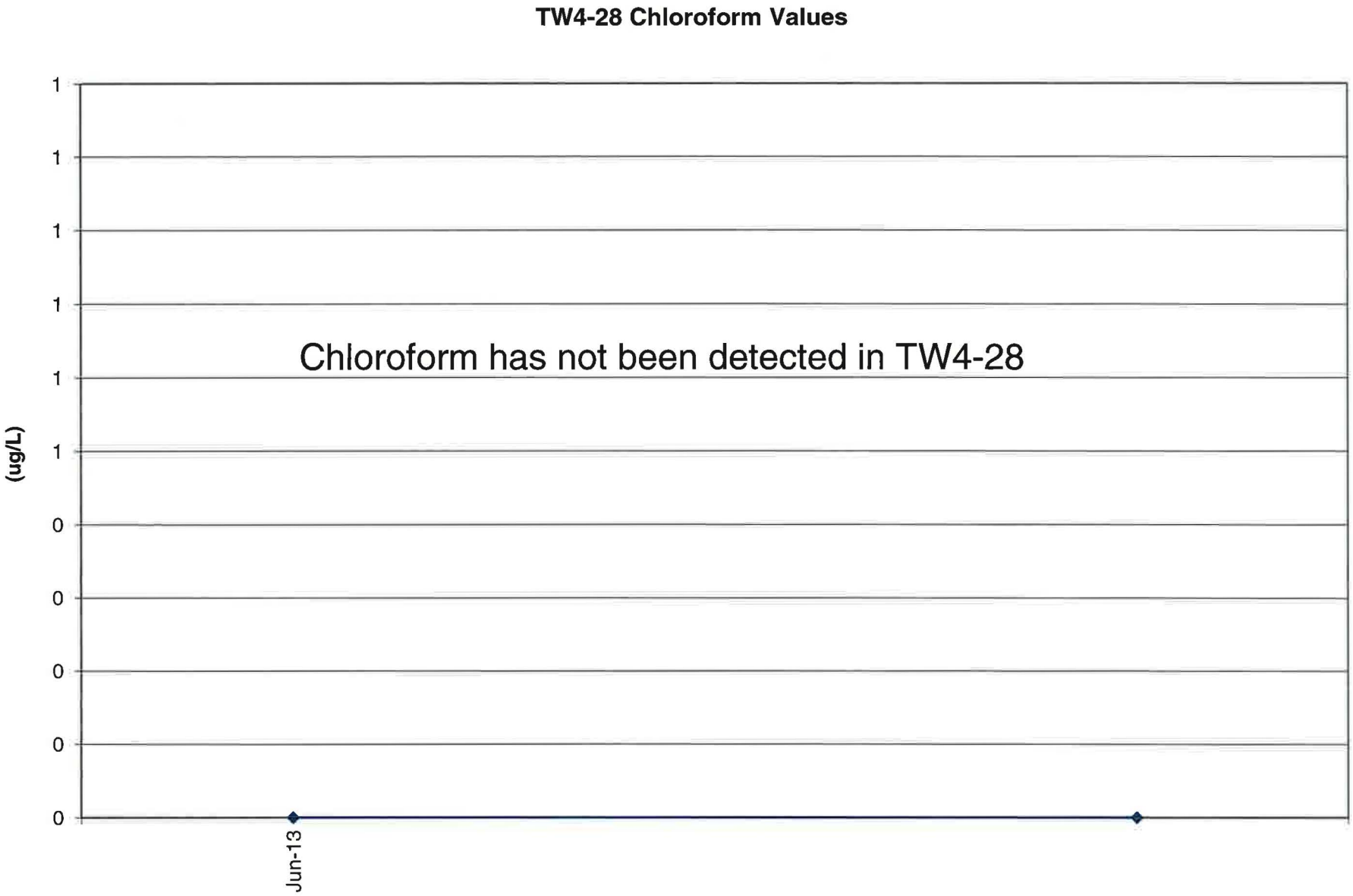
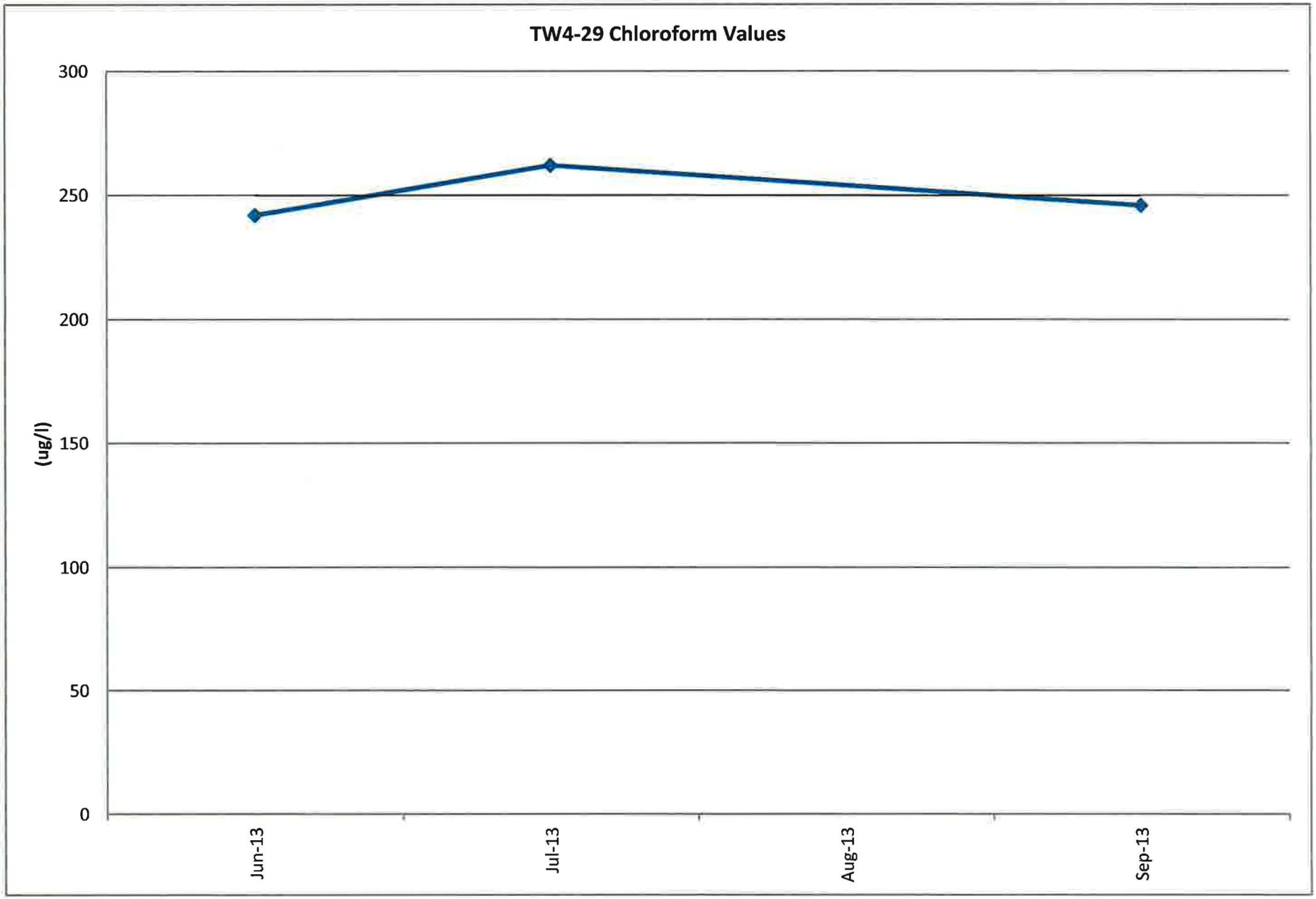
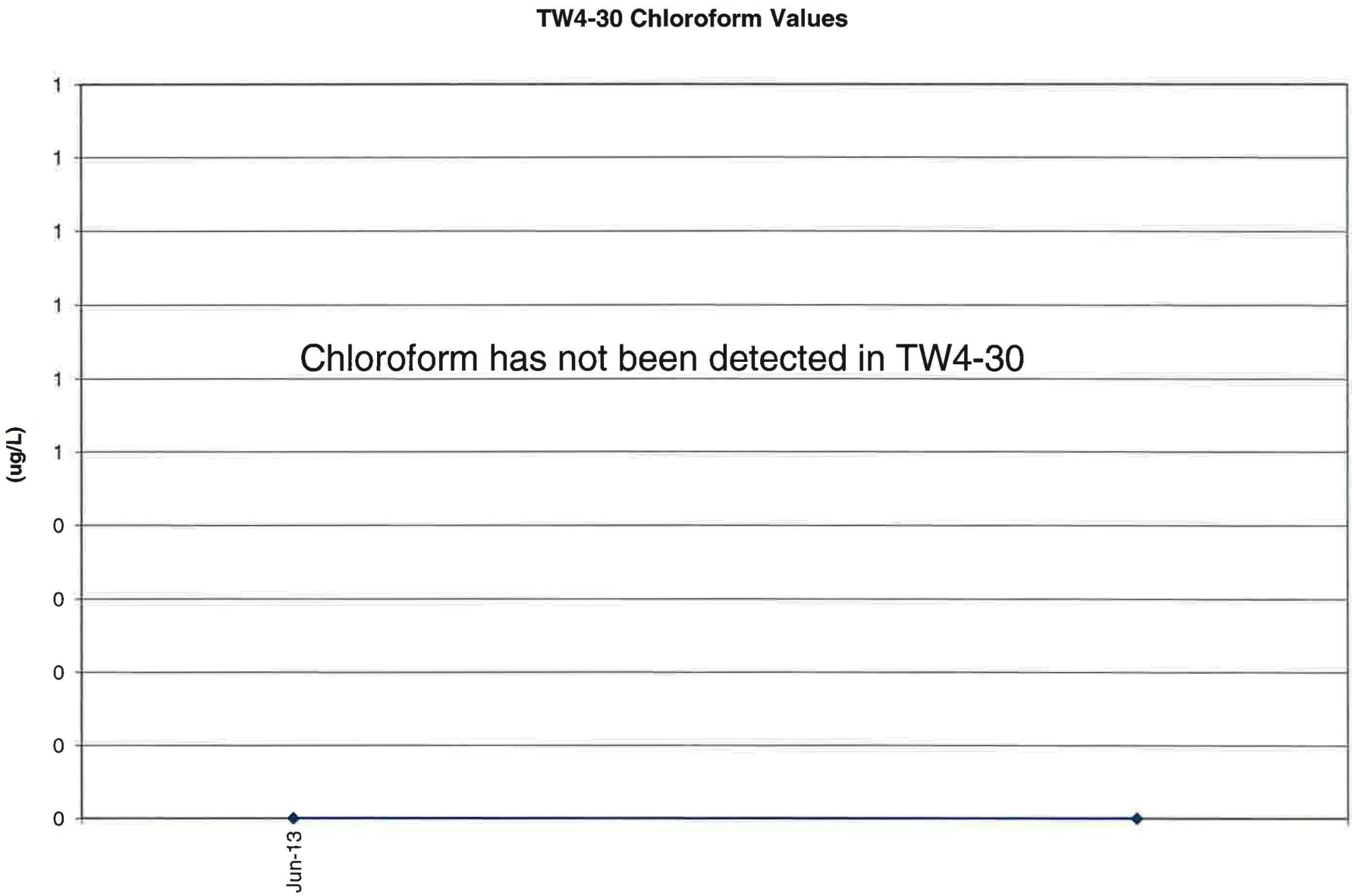
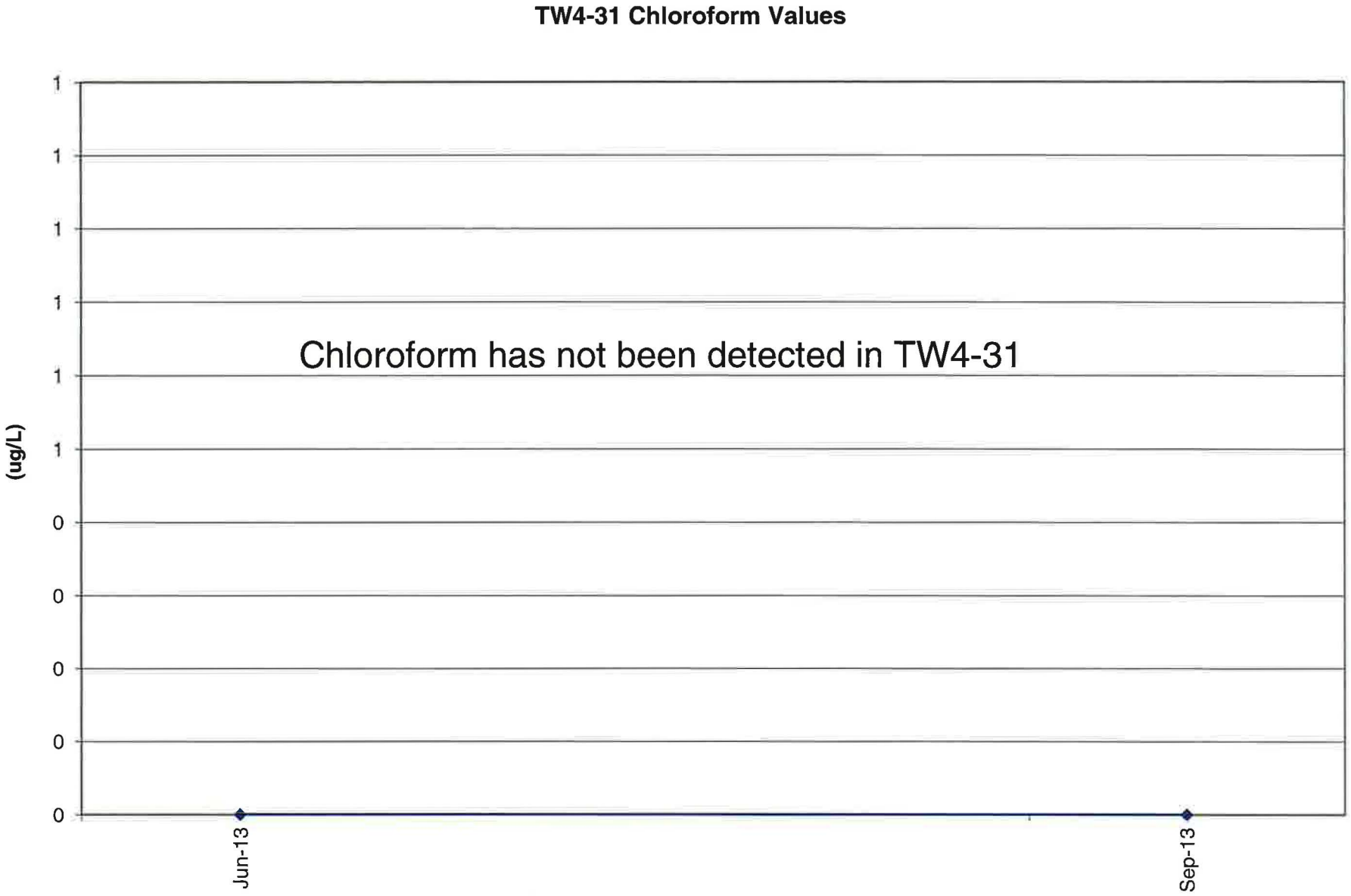
Sep-12
Oct-12
Nov-12
Dec-12
Jan-13
Feb-13
Mar-13
Apr-13
May-13
Jun-13
Jul-13
Aug-13
Sep-13


(ug/l)
0
1
2
3
4
5
6
7
8
9
10
Jan-12
Feb-12
Mar-12
Apr-12
May-12
Jun-12
Jul-12
Aug-12
Sep-12
Oct-12
Nov-12
Dec-12
Jan-13
Feb-13
Mar-13
Apr-13
May-13
Jun-13
Jul-13
Aug-13
TW4-27 Chloroform Values


TW4-28 Chloroform Values
(ug/L)
1
1
1
1
1
1
0
0
0
0
0
Chloroform has not been detected in TW4-28
Jun-13


TW4-29 Chloroform Values
300
250
200
150
100
50
0
(ug/l)
Jun-13
Jul-13
Aug-13
Sep-13


TW4-30 Chloroform Values
(ug/L)
1
1
1
1
1
1
0
0
0
0
0
Chloroform has not been detected in TW4-30
Jun-13


TW4-31 Chloroform Values
(ug/L)
1
1
1
1
1
1
0
0
0
0
0
Chloroform has not been detected in TW4-31
Jun-13
Sep-13

Tab M

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Tuesday, November 19, 2013 9:12 AM
To: Rusty Lundberg
Cc: 'Phillip Goble'; 'Dean Henderson'; Harold Roberts; Dan Hillsten; David Frydenlund; David Turk; Jo Ann Tischler; Jaime Massey; Frank Filas, P.E
Subject: Transmittal of CSV Files White Mesa Mill 2013 Q3 Chloroform Monitoring
Attachments: 1309103-EDD.csv; 1309255-EDD.csv; 1309328-EDD.csv; 1309526-EDD.csv; 1308555-EDD.csv

Dear Mr. Lundberg,

Attached to this e-mail is an electronic copy of laboratory results for chloroform monitoring conducted at the White Mesa Mill during the third quarter of 2013, in Comma Separated Value (CSV) format.

Please contact me at 303-389-4134 if you have any questions on this transmittal.

Yours Truly

Kathy Weinel