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

February 19, 2014

Sent VIA OVERNIGHT DELIVERY

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 4th 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 4th 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,

Kathy Weinel

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

CC: David C. Frydenlund
Harold R. Roberts
David E. Turk
Dan Hillsten
Frank Filas

White Mesa Uranium Mill

Chloroform Monitoring Report

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

4th Quarter
(October through December)
2013

Prepared by:

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

February 19, 2014

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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 fourth 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 indicated 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 was 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 would 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 sampled the three new wells in the fourth quarter of 2013 and prepared a CIR, which was submitted to DRC on January 23, 2014.

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	

Chloroform monitoring was performed in all of the required chloroform monitoring wells.
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) when 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.

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 that 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.

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 of the QAP, 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 modified the chloroform Quality Assurance ("QA") procedures within 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 used in 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 the 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 the 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 is 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 are used to remove stagnant water from the casing during groundwater sampling at the Mill. The three strategies are as follows:

1. Purging three well casing volumes with a single measurement of field parameters 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. After sampling, 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 that 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 that 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 the 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 the chloroform contaminant investigation wells and the non-pumped wells measured during the quarter. Depth to groundwater measurements that 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 the analyses 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 the 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 the 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 that 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.

Three trip blanks were provided by 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's 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 the 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 the 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, the purging and field measurements were completed in conformance with the QAP 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, TW4-28, and TW4-32 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, TW4-30, TW4-31, TW4-33, and TW4-34 were pumped to dryness before two casing volumes were evacuated. After well recovery, one set of measurements were taken. The samples were then 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, TW4-04, TW4-05, TW4-08, TW4-09, TW4-11, TW4-16, MW-32, TW4-18, TW4-23, TW4-28, and TW4-32 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 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. The 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. The samples were received within the required temperature limit.

3.4.4 Analytical Method Checklist

The 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. The analytical methods were consistent with the requirements of the Chloroform QAP.

3.4.5 Reporting Limit Evaluation

The 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. The 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 these 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 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 the 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. The 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 the duplicate pairs for all analytes regardless of whether or not the reported concentrations are greater than 5 times the required detection limits; however, data are 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.

The 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. 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.

The 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 the samples were within acceptable laboratory limits for the 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 the quarterly chloroform samples were within acceptable laboratory limits for the 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 the Laboratory Control Samples (the "LCS") recoveries were within acceptable laboratory limits for the LCS compounds.

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. 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 chloroform and nitrate within and near the chloroform plume, and of nitrate and chloride within and near the nitrate plume, may occur even when these plumes are under control. Ongoing mechanisms that can be expected to increase constituent concentrations 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 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.

As of the previous quarter, well-defined cones of depression were 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 had 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 had 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 would merge with and enhance the capture associated with the chloroform pumping system.

During the current quarter, a large decrease in water level at nitrate pumping well TW4-25 has resulted in an apparently large cone of depression near that well. The large decrease in water level at TW4-25 combined with decreases at nitrate pumping wells TW4-22 and TW4-24, and adjacent chloroform pumping wells TW4-19 and TW4-20, has resulted in an apparently large increase in the combined influence of the nitrate and chloroform pumping systems. The long term interaction between nitrate and chloroform pumping systems will, however, require more data to be 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 the start of 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 5528.2 feet above mean sea level ["ft amsl"]) is approximately 12 feet lower than the water level at TW4-6 (approximately 5539.9 ft amsl) and 15 feet lower than at TW4-4 (approximately 5543.3 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 5527.1 ft amsl, similar to TW4-14 (approximately 5528.2 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 has been detected at recently installed temporary perched well TW4-29 (located south of TW4-27) since the second quarter of 2013.

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 (5538.97 feet amsl) is, however, lower than water levels at adjacent wells TW4-6 (5539.85 feet amsl), and TW4-23 (5542.96 feet amsl).

Hydraulic tests 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 (see Hydro Geo Chem, Inc. [HGC], September 20, 2010: Hydraulic Testing of TW4-4, TW4-6, and TW4-26, White Mesa Uranium Mill, July 2010; and HGC, November 28, 2011: Installation, Hydraulic Testing, and Perched Zone Hydrogeology of Perched Monitoring Well TW4-27, White Mesa Uranium Mill Near

Blanding, Utah). 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, TW4-31, and new wells TW4-33 and TW4-34, which indicate that the permeability of these wells is one to two orders of magnitude higher than the permeability of TW4-27 (see HGC, January 23, 2014; Contamination Investigation Report, TW4-12 and TW4-27 Areas, White Mesa Uranium Mill Near Blanding, Utah). 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, fourth quarter, 2013 chloroform concentrations at TW4-26 and TW4-27 are 3.4 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) and at new well TW4-33 (located between TW4-4 and TW4-29), chloroform was not detected at recently installed well TW4-30, located east and downgradient of TW4-29, nor at recently installed well TW4-31, located east of TW4-27, nor at new well TW4-34, located south and cross-gradient of TW4-29. The detections at TW4-29 and TW4-33 suggest that chloroform migrated southeast from the vicinity of TW4-4 to TW4-33 then 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 are one to two orders of magnitude lower than the conductivity of TW4-4, and one to two orders 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.

Data from existing, recently installed and new wells indicate that:

1. Chloroform exceeding 70 µg/L at TW4-29 is bounded by concentrations below 70 µg/L at wells TW4-26, TW4-27, TW4-30 and TW4-34. TW4-30 is downgradient of TW4-29; TW4-26 is upgradient of TW4-29; and TW4-27 and TW4-34 are cross-gradient of TW4-29.

2. Chloroform concentrations at TW4-33 that are lower than concentrations at TW4-29, and the likelihood that a pathway exists from TW4-4 to TW4-33 to TW4-29, suggests that concentrations in the vicinity of TW4-33 were likely higher prior to initiation of TW4-4 pumping, and that lower concentrations currently detected at TW4-33 are due to its closer proximity to TW4-4.

Furthermore, TW4-4 pumping is likely to reduce chloroform at both TW4-33 and TW4-29 by cutting off the source. The decrease at TW4-33 is expected to be faster than at TW4-29 because TW4-33 is in closer proximity to TW4-4 pumping. Such behavior is expected by analogy with the decreases in chloroform concentrations that occurred at TW4-6 and TW4-26 once TW4-4 pumping began.

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 third quarter of 2013, as submitted with the Chloroform Monitoring Report for the third quarter of 2013, is attached under Tab E.

A comparison of the water table contour maps for the current (fourth quarter of 2013) to the water table contour maps for the previous quarter (third quarter of 2013) indicates more pronounced drawdowns related to operation of chloroform pumping wells TW4-19 and TW4-20 and nitrate pumping well TW4-25. Nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-2 were brought into operation during the first quarter of 2013 and their impact on water level patterns was not clearly evident as of the previous quarter. During the current quarter a large decrease in water level at nitrate pumping well TW4-25 has resulted in an apparently large cone of depression near that well. The large decrease in water level at TW4-25 combined with decreases at nitrate pumping wells TW4-22 and TW4-24, and adjacent chloroform pumping wells TW4-19 and TW4-20, has resulted in apparently large cones of depression associated with these wells. Otherwise, water levels and water level contours for the site have not changed significantly since the last quarter. As discussed in Section 4.1.1, pumping at chloroform well 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 4 feet and 9 feet occurred in chloroform pumping wells TW4-19 and TW4-20, respectively. Furthermore, decreases of approximately 2 feet, 3 feet, and 25 feet occurred, respectively, in nitrate pumping wells TW4-22, TW4-24, and TW4-25. Changes in water levels at other pumping wells (chloroform pumping wells MW-4, MW-26 and TW4-4, and nitrate pumping well 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. A water level decrease of approximately 3 feet was reported at TW4-21. This decrease is likely the result of its location between pumping wells TW4-19 and TW4-25.

The decreases in water levels (increases in drawdown) at chloroform pumping wells TW4-19 and TW4-20 have increased the apparent capture of these wells relative to other pumping wells. The apparently large cone of depression associated with nitrate pumping well TW4-25 has resulted in a relatively large zone of apparent capture associated with this well. Furthermore, the apparent capture associated with TW4-25 has increased the apparent combined capture of chloroform pumping wells MW-26, TW4-19, and TW4-20 compared to last quarter.

Water level decreases ranging from approximately 0.55 to 1.4 feet at Piezometers 1 and 2, 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 1.3 feet reported for TWN-1 is likely related to both decay of the perched water mound and operation of nitrate pumping well TW4-25.

Water level decreases of nearly 5 feet at MW-3, of nearly 4 feet at MW-20, of approximately 6 feet at MW-23 and of nearly 5 feet at MW-37 were reported. These decreases are likely the result of purging and sampling these wells prior to measuring water levels. Because these wells have relatively low permeability, there was likely insufficient time for water levels to have fully recovered from purging prior to water level measurement. Although water was reported to be present at the bottom of piezometer DR-22 last quarter, DR-22 is reported to be dry this quarter.

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 for 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. 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.

During the current quarter, decreases in water levels at nitrate pumping wells TW4-22 and TW4-24, and adjacent chloroform pumping wells TW4-19 and TW4-20, combined with the large water level decrease at nitrate pumping well TW4-25, have created apparently significant cones of depression and detectable capture associated with many of the nitrate pumping wells, in particular TW4-25. The increased cone of depression at TW4-25 has expanded the apparent

capture of the chloroform pumping system to the west. However, the influence of TW4-25 is likely overestimated because of the large decline in water level measured in TW4-25 this quarter. The capture associated with nitrate pumping wells is, however, expected to increase over time as water levels continue to decline due to pumping and to cessation of water delivery to the northern wildlife ponds. Slow development of hydraulic capture is consistent with and expected based on the relatively low permeability of the perched zone at the site.

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 that 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 5.5 µg/L, and at TW4-26 from 13 µg/L to 3.4 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. The apparent migration pathway from TW4-4 to TW4-29 is consistent with chloroform exceeding 70 µg/L detected at new well TW4-33, located between TW4-4 and TW4-29. Chloroform concentrations at TW4-33 that are lower than concentrations at TW4-29, and the likelihood that a pathway exists from TW4-4 to TW4-33 to TW4-29, suggest that concentrations in the vicinity of TW4-33 were likely higher prior to initiation of TW4-4 pumping. TW4-4 pumping is likely to reduce chloroform at both TW4-33 and TW4-29 by cutting off the source. The decrease at TW4-33 is expected to be faster than at TW4-29 because TW4-33 is in closer proximity to TW4-4 pumping. Such behavior is expected by analogy with the decreases in chloroform concentrations seen at TW4-6 and TW4-26 once TW4-4 pumping began.

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: TW4-5, TW4-22, and TW4-24;

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

c) Chloroform concentrations have remained within 20% in the following wells compared to last quarter: MW-4, TW4-1, TW4-2, TW4-4, TW4-6, TW4-7, TW4-10, TW4-11, TW4-18, TW4-21, TW4-26, and TW4-29;

d) MW-32, TW4-3, TW4-8, TW4-9, TW4-12, TW4-13, TW4-14, TW4-23, TW4-25, TW4-27, TW4-28, TW4-30, and TW4-31 remained non-detect; and.

e) Chloroform at TW4-16 increased from non-detect to 13.4 µg/L.

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, TW4-5, TW4-19, TW4-20, TW4-22, and TW4-24 had changes in concentration greater than 20%. Of the latter, MW-26, TW4-19, and TW4-20 are chloroform pumping wells, and TW4-22 and TW4-24 are nitrate pumping wells. TW4-5 is located adjacent to chloroform pumping wells TW4-19 and TW4-20. Fluctuations in concentrations at both chloroform and nitrate pumping wells and wells adjacent to pumping wells likely result in part from changes in pumping. The increase at TW4-16 from non-detect to 13.4 µg/L is likely related to its location adjacent to pumping well MW-26 and to its position immediately downgradient of the plume. Slight changes in plume boundaries and concentrations at wells near the boundaries are expected to result from changes in upgradient pumping.

Chloroform pumping well TW4-20 had the highest detected chloroform concentration. Since the last quarter, the chloroform concentration in TW4-20 decreased from 26,800 µg/L to 15,700 µg/L, the concentration in adjacent pumping well TW4-19 decreased from 8,100 µg/L to 942 µg/L, and the concentration in nearby well TW4-21 decreased from 244 to 204 µg/L. The chloroform concentration in nitrate pumping well TW4-22 increased from 9,640 µg/L to 13,300

µg/L. Wells TW4-23 and TW4-25 remained non-detect for chloroform. The chloroform concentration in nitrate pumping well TW4-24 increased from 21.8 µg/L to 32.5 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 main southern plume boundary remains between TW4-4 and TW4-6. Chloroform at recently installed well TW4-29 (located at the southern tip of the plume, to the east of TW4-26 and to the south of TW4-27) increased slightly from 246 µg/L to 260 µg/L. These chloroform concentrations indicate that the plume extends further to the southeast than previously thought, albeit along a very narrow pathway. Chloroform at TW4-29 is bounded to the north by TW4-27, to the east by TW4-30, to the south by TW4-34, and to the west by TW4-26. Chloroform at new well TW4-33 (located between TW4-4 and TW4-29) is bounded to the north by TW4-14, to the east by TW4-27, to the west by TW4-6, and to the south and west by TW4-26.

The chloroform concentration in TW4-6 decreased slightly from approximately 5.9 µg/L to 5.5 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 5.5 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 and new wells TW4-29 and TW4-33 are also expected to be relatively slow due to upgradient pumping and relatively low permeability conditions. By analogy with the water level and concentration behavior of nearby wells TW4-6 and TW4-26, chloroform concentrations at TW4-29 and TW4-33 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 enhance the capture zone associated with the chloroform pumping system.

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 Stipulated Consent Order (the "SCO") dated December 12, 2012. Because wells TW4-22, TW4-24, and TW4-25 are chloroform program wells, they are included in this report and any chloroform removal realized as part of this pumping is calculated and included in the 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, and 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, TW4-20, and 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 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.

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 fourth 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. A well-defined capture zone is not clearly 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 discussed below) and the decrease in rate of water level rise since the fourth quarter of 2009 are likely related to TW4-4 pumping.

Cones of depression associated with the nitrate pumping wells were also not clearly evident as of last quarter. However, during the current quarter, decreases in water levels at nitrate pumping wells TW4-22 and TW4-24, and adjacent chloroform pumping wells TW4-19 and TW4-20, combined with a large water level decrease at nitrate pumping well TW4-25, have created apparently significant cones of depression and detectable capture associated with many of the nitrate pumping wells, in particular TW4-25. The apparent cone of depression at TW4-25 has expanded the apparent capture of the chloroform pumping system to the west.

Fourth 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, TW4-5, TW4-19, TW4-20, TW4-22, and TW4-24. Of the latter, MW-26, TW4-19, and TW4-20 are chloroform pumping wells, and TW4-22 and TW4-24 are nitrate pumping wells. TW4-5 is located adjacent to chloroform pumping wells TW4-19 and TW4-20. Fluctuations in concentrations at both chloroform and nitrate pumping wells and wells adjacent to pumping wells likely result in part from changes in pumping. The increase in chloroform at TW4-16 from non-detect to 13.4 µg/L is likely related to its location adjacent to pumping well MW-26 and to its position immediately downgradient of the plume. Slight changes in plume boundaries and concentrations at wells near the boundaries are expected to result from changes in upgradient pumping. Changes in concentration at chloroform wells are also expected to result from continued operation of nitrate pumping wells as the capture associated with the nitrate pumping system enhances the capture associated with the chloroform pumping system.

Chloroform pumping well TW4-20 had the highest detected chloroform concentration. Since the last quarter, the chloroform concentration in TW4-20 decreased from 26,800 µg/L to 15,700 µg/L, the concentration in adjacent pumping well TW4-19 decreased from 8,100 µg/L to 942 µg/L, and the concentration in nearby well TW4-21 decreased from 244 to 204 µg/L. The chloroform concentration in nitrate pumping well TW4-22 increased from 9,640 µg/L to 13,300 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 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.

In addition, the main southern plume boundary remains between TW4-4 and TW4-6. Between the current and previous quarters, the chloroform concentration in TW4-6 decreased slightly from approximately 5.9 µg/L to 5.5 µg/L, and the concentration in downgradient temporary well TW4-26 increased from approximately 2.8 µg/L to approximately 3.4 µg/L. As with TW4-16, changes in concentrations at TW4-6 and TW4-26 are likely the result of their location near the downgradient edge of the plume where changes in upgradient pumping are expected to affect concentrations.

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 5.5 µg/L. TW4-6 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. 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 and new wells TW4-29 and TW4-33, are also expected to be relatively slow due to upgradient pumping and relatively low permeability conditions.

Chloroform at recently installed well TW4-29 (located at the southern tip of the plume, to the east of TW4-26 and to the south of TW4-27) increased slightly from 246 µg/L to 260 µg/L. The results at this well show that a very narrow extension of the Chloroform plume is present between TW4-4 and TW4-29. Chloroform at TW4-29 is bounded to the north by TW4-27, to the east by TW4-30, to the south by TW4-34, and to the west by TW4-26. Chloroform at new well TW4-33 (located between TW4-4 and TW4-29) is bounded to the north by TW4-14, to the east by TW4-27, to the west by TW4-6, and to the south and west by TW4-26. By analogy with the water level and concentration behavior of nearby wells TW4-6 and TW4-26, chloroform concentrations at TW4-29 and TW4-33 are expected to eventually trend downward.

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. As discussed above, nitrate pumping has caused the boundary of the northern portion of the chloroform plume to continue to move slightly to the west toward

TW4-24, and an increase in concentration at TW4-16 has caused the boundary of the northwestern portion of the plume to move slightly to the south. Sampling of recently installed well TW4-30, and new wells TW4-33 and TW4-34 indicate that the southeastern portion of the chloroform plume is bounded. Overall, the plume is bounded to the north by TW4-25; to the west by TW4-6, TW4-16, TW4-24, and TW4-26; to the east by TW4-3, TW4-5, TW4-8, TW4-9, TW4-12, TW4-13, TW4-14, TW4-18, TW4-27, and TW4-30; and to the south by TW4-34.

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 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 5.5 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 and TW4-33 are expected to eventually trend downward. Several more quarters of data will be likely be required before trends at these wells 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 constituent concentrations within the plumes while reducing hydraulic gradients and 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 chloroform and nitrate within and near the chloroform plume, and of nitrate and chloride within and near the nitrate plume, may

occur even when these plumes are under control. Ongoing mechanisms that can be expected to increase constituent concentrations 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.

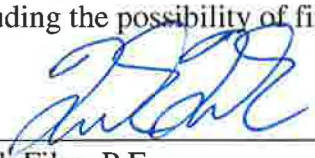
The combined impact of the above two mechanisms may be especially evident at chloroform and nitrate pumping wells and non-pumped wells adjacent to the pumped wells. The overall impact is expected to be generally higher constituent concentrations in these wells over time until mass reduction resulting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

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.

9.0 SIGNATURE AND CERTIFICATION

This document was prepared by Energy Fuels Resources (USA) Inc. on February 19, 2014.

Energy Fuels Resources (USA) Inc.

By:

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

Tables

Table 1: Summary of Well Sampling for the Period

Well	Sample Date	Date of Lab Report
MW-04	10/29/2013	11/7/2013
TW4-01	11/14/2013	11/26/13 (12/4/2013)
TW4-02	11/14/2013	11/26/13 (12/4/2013)
TW4-03	11/6/2013	11/19/2013
TW4-03R	11/5/2013	11/19/2013
TW4-04	10/29/2013	11/7/2013
TW4-05	11/13/2013	11/26/13 (12/4/2013)
TW4-06	11/13/2013	11/26/13 (12/4/2013)
TW4-07	11/14/2013	11/26/13 (12/4/2013)
TW4-08	11/7/2013	11/19/2013
TW4-09	11/7/2013	11/19/2013
TW4-10	11/14/2013	11/26/13 (12/4/2013)
TW4-11	11/13/2013	11/26/13 (12/4/2013)
TW4-12	11/6/2013	11/19/2013
TW4-13	11/6/2013	11/19/2013
TW4-14	11/6/2013	11/19/2013
MW-26	10/29/2013	11/7/2013
TW4-16	11/7/2013	11/19/2013
MW-32	10/29/2013	11/7/2013
TW4-18	11/13/2013	11/26/13 (12/4/2013)
TW4-18R	11/12/2013	11/26/13 (12/4/2013)
TW4-19	10/29/2013	11/7/2013
TW4-20	10/29/2013	11/7/2013
TW4-21	11/13/2013	11/26/13 (12/4/2013)
TW4-22	10/29/2013	11/7/2013
TW4-23	11/7/2013	11/19/2013
TW4-24	10/29/2013	11/7/2013
TW4-25	10/29/2013	11/7/2013
TW4-26	11/7/2013	11/19/2013
TW4-27	11/6/2013	11/19/2013
TW4-28	11/6/2013	11/19/2013
TW4-29	11/13/2013	11/26/13 (12/4/2013)
TW4-30	11/7/2013	11/19/2013
TW4-31	11/7/2013	11/19/2013
TW4-32	11/14/2013	11/26/13 (12/4/2013)
TW4-33	11/14/2013	11/26/13 (12/4/2013)
TW4-34	11/14/2013	11/26/13 (12/4/2013)
TW4-60	11/14/2013	11/26/13 (12/4/2013)
TW4-65	10/29/2013	11/7/2013
TW4-70	11/7/2013	11/19/2013

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

Date in parantheses is the date the analytical data package was resubmitted by the laboratory. The package was resubmitted due to a laboratory error in the field sample ID.

"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 MW-32, and TW4-70 is a duplicate of TW4-16.

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
Q4 2013	0.8	0.3	3.2	2.5	0.7	2.8	0.07	0.0	10.37
Well Totals (pounds)	79.5	27.6	320.3	237.5	15.7	9.1	0.2	0.0	**690.0**

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

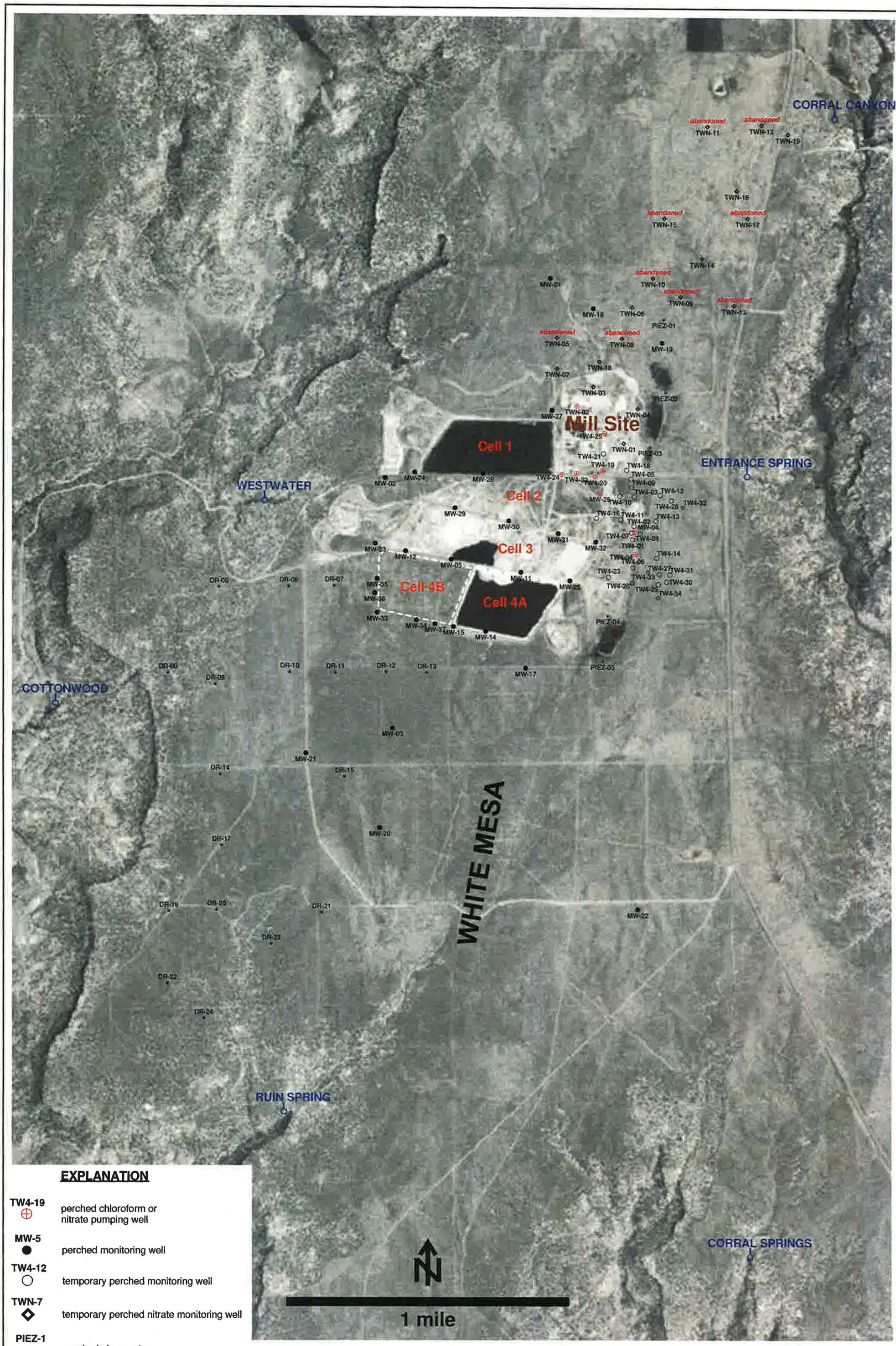
Table 3 Chloroform Well Pumping Rates and Volumes

Pumping Well Name	Volume of Water Pumped During the Quarter (gals)	Average Pump Rate (gpm)
MW-4	70,340.4	4.3
MW-26	24,207.6	10.3
TW4-4	60,233.6	7.8
TW4-19	403,974.0	14.0
TW4-20	19,280.2	9.9
TW4-22	24,952.2	18.2
TW4-24	260,555.3	17.8
TW4-25	126,576.5	18.0
TWN-2	49,979.9	18.3

INDEX OF TABS

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 4th Quarter 2013 Chloroform Purging Event

Well	Sample time	Chloroform Levels	Rinsate date/time	Water level	Well Depth	
TW4-03		ND 11/6/13	0712		141	03R 11/05/13 0644
TW4-12		ND 11/6/13	0725		101.5	
TW4-13		ND 11/6/13	0732		102.5	
TW4-14		ND 11/6/13	0738		93	
TW4-27		ND 11/6/13	0746		96	
TW4-28		ND 11/6/13	0753		107	
TW4-30		ND 11/7/13	0751		92.5	
TW4-31		ND 11/7/13	0758		106	
MW-32		ND 10/29/13	1330		130.6	Bladder pump
TW4-23		ND 11/7/13	0806		114	
TW4-08		ND 11/7/13	0813		125	
TW4-09		ND 11/7/13	0817		120	
TW4-16		ND 11/7/13	0823		142	
TW4-25		ND 10/29/13	1204		134.8	Cont. Pumping
TW4-26		2.81 11/7/13	0834		86	
TW4-06		5.93 11/13/13	0700		97.5	
TW4-05		11.6 11/13/13	0708		120	
TW4-24		21.8 10/29/13	1220		112.5	Cont. Pumping
TW4-18		41 11/13/13	0718		137.5	18R 11/12/13 0827
TW4-21		244 11/13/13	0723		121	
TW4-29		246 11/13/13	0737		93.5	
TW4-11		865 11/13/13	0745		100	
TW4-07		1040 11/14/13	0813		120	
TW4-10		1160 11/14/13	0820		111	
TW4-01		1150 11/14/13	0828		110	
TW4-04		1380 10/29/13	1302		112	Cont. Pumping
MW-04		1520 10/29/13	1255		124	Cont. Pumping
MW-26		2940 10/29/13	1246		122.5	Cont. Pumping
TW4-02		3480 11/14/13	0833		120	
TW4-19		8100 10/29/13	1410		125	Cont. Pumping
TW4-22		9640 10/29/13	1227		113.5	Cont. Pumping
TW4-20		26800 10/29/13	1240		106	Cont. Pumping
TW4-32		ND 11/14/13	0842		115.1	
TW4-33		11/14/13	0849		87.9	
TW4-34		11/14/13	0856		97.2	

TW4-60	D.I. Blank	11/14/13	0700
TW4-65	Duplicate	10/23/13	1330
TW4-70	Duplicate	11/7/13	0823

Comments:

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

See instruction

Description of Sampling Event: 4TH Quarter Chloroform 2013

Location (well name): MW-04

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: MW-04_10292013

Date and Time for Purging: 10/29/2013 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-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: 69.20

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

Weather Cond.: Overcast

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

Time	1254	Gal. Purged	0
Conductance	1878	pH	7.37
Temp. °C	14.06		
Redox Potential Eh (mV)	235		
Turbidity (NTU)	1.8		

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 = 4.3

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: 75.95 Sample Time: 1255

See instruction

Comment

Arrived on site at 1250, Tanner and Garrin present to collect samples.
Samples collected at 1255, water was Clear
Left site at 1257

Continuous Pumping Well

MW-04 10-29-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-01

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-01_11142013

Date and Time for Purging: 11/13/2013 and Sampling (if different): 11/14/2013

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: TW4-10

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: 64.85

Casing Volume (V) 4" Well: 29.48 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	0923	Gal. Purged	33		
Conductance	2148	pH	6.58		
Temp. °C	14.66				
Redox Potential Eh (mV)	318				
Turbidity (NTU)	34				

Time	0924	Gal. Purged	44		
Conductance	2154	pH	6.61		
Temp. °C	14.65				
Redox Potential Eh (mV)	319				
Turbidity (NTU)	35				

Time	0925	Gal. Purged	55		
Conductance	2155	pH	6.6		
Temp. °C	14.67				
Redox Potential Eh (mV)	319				
Turbidity (NTU)	35				

Time	0926	Gal. Purged	66		
Conductance	2163	pH	6.64		
Temp. °C	14.68				
Redox Potential Eh (mV)	319				
Turbidity (NTU)	36				

Volume of Water Purged: 66 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 5.36

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs: 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: 106.17 Sample Time: 0828

See instruction

Comment

Arrived on site at 0918 Tanner and Garrin present for purge. Purge began at 0920
Purged well for a total of 6 minutes. water was mostly clear.
Purge ended at 0926. Left site at 0928
Arrived on site at 0825 Tanner and Garrin present to collect samples. Depth to water was 64.74 Samples bailed and collected at 0828 Left site at 0830

TW4-01 11-13-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-02

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-02_11142013

Date and Time for Purging: 11/13/2013 and Sampling (if different): 11/14/2013

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: TW4-01

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: 65.96

Casing Volume (V) 4" Well: 35.28 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	0950	Gal. Purged	60.50
Conductance	3699	pH	6.98
Temp. °C	19.83		
Redox Potential Eh (mV)	306		
Turbidity (NTU)	88		

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

Time	0832	Gal. Purged	0
Conductance	3060	pH	6.30
Temp. °C	13.76		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0834	Gal. Purged	0
Conductance	3057	pH	6.36
Temp. °C	13.77		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 60.50 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.41

Number of casing volumes evacuated (if other than two): 1.71

If well evacuated to dryness, number of gallons evacuated: 60.50

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: 117.06 Sample Time: 0833

See instruction

Comment

Arrived on site at 0942 Tanner and Garrin present for purge, purge began at 0945 Purged well for a total of 5 minutes and 30 seconds. water was a little murky. Purged well dry. Purge ended at 0950. Left site at 0953
Arrived on site at 0830 Tanner and Garrin present to collect samples. Depth to water was 65.84. samples bailed and collected at 0833 Left site at 0835

TW4-02 11-13-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Chloroform 2013

Location (well name): TW4-03

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-03_11062013

Date and Time for Purging: 11/5/2013 and Sampling (if different): 11/6/2013

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: TW4-03R

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: 51.95

Casing Volume (V) 4" Well: 58.14 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	0720	Gal. Purged	93.50		
Conductance	1637	pH	7.12		
Temp. °C	14.17				
Redox Potential Eh (mV)	318				
Turbidity (NTU)	13.3				

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

Time	0711	Gal. Purged	0		
Conductance	1634	pH	7.00		
Temp. °C	14.13				
Redox Potential Eh (mV)					
Turbidity (NTU)					

Time	0713	Gal. Purged	0		
Conductance	1637	pH	7.04		
Temp. °C	14.15				
Redox Potential Eh (mV)					
Turbidity (NTU)					

Before

After

Volume of Water Purged [93.50] gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11.0]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [10.57]

Number of casing volumes evacuated (if other than two) [1.60]

If well evacuated to dryness, number of gallons evacuated [93.50]

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 [139.19] Sample Time [0712]

See instruction

Comment

Arrived on site at 0710. Tanner and Garrin present for purge. Purge began at 0712 Purged well for a total of 8 minutes and 30 seconds, Purged well dry! water was mostly clear. Purge ended at 0821, Left site at 0824

Arrived on site at 0707 Tanner and Garrin present to collect samples. Depth to water was 52.54 Samples bailed and collected at 0712 Left site at 0714

[TW4-03 11-05-2013] Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-03R

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-03R_11052013

Date and Time for Purging: 11/5/2013 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: TW4-19

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)

Weather Cond.: Cloudy

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

Time	0643	Gal. Purged	133
Conductance	1.7	pH	7.94
Temp. °C	9.13		
Redox Potential Eh (mV)	296		
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: 0644

See instruction

Comment

Arrived on site at 0625 Tanner and Garrin present for rinsate.
Rinsate began at 0630 Pumped 50 Gallons of soap water.
100 Gallons of D.I. water. Rinsate ended and samples collected
at 0644 Left site at 0650

TW4-03R 11-05-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-04

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-04_10292013

Date and Time for Purging: 10/29/2013 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 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 112.00

Depth to Water Before Purging: 70.03

Casing Volume (V) 4" Well: 27.40 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Overcast

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

Time	1301	Gal. Purged	0
Conductance	2279	pH	7.12
Temp. °C	15.21		
Redox Potential Eh (mV)	256		
Turbidity (NTU)	5.5		

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.~~ 7.5 7.5

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

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs: 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: 76.14 Sample Time: 1302

See instruction

Comment

Arrived on site at 1258. Tanner and Garrin present to collect samples.
Samples collected at 1302. water was clear
Left site at 1304.

Continuous Pumping Well.

TW4-04 10-29-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-05

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-05_11132013

Date and Time for Purging: ~~11/13~~ 11/12/2013 and Sampling (if different): 11/13/2013

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: TW4-06

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: 60.50

Casing Volume (V) 4" Well: 38.85 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	0805	Gal. Purged	66
Conductance	1545	pH	6.79
Temp. °C	15.14		
Redox Potential Eh (mV)	461		
Turbidity (NTU)	500		

Time	0806	Gal. Purged	77
Conductance	1542	pH	6.80
Temp. °C	15.15		
Redox Potential Eh (mV)	460		
Turbidity (NTU)	475		

Time	0807	Gal. Purged	88
Conductance	1540	pH	6.81
Temp. °C	15.15		
Redox Potential Eh (mV)	459		
Turbidity (NTU)	449		

Time	0808	Gal. Purged	99
Conductance	1538	pH	6.83
Temp. °C	15.13		
Redox Potential Eh (mV)	459		
Turbidity (NTU)	440		

Volume of Water Purged 99 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.06

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs #WAL

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 64.11 Sample Time 0708

See instruction

Comment

Arrived on site at 0755 Tanner and Garrin present for purge. Purge began at 0759
Purged well for a total of 9 minutes. water was a murky white color.
Purge ended at 0808. Left site at 0810
Arrived on site at 0705 Tanner and Garrin present to collect samples. Depth to water was 60.45 samples bailed and collected at 0708 Left site at 0710

TW4-05 11-12-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-06

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-06_11132013

Date and Time for Purging: 11/12/2013 and Sampling (if different): 11/13/2013

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: TW4-26

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: 69.50

Casing Volume (V) 4" Well: 18.28 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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

Time	0734	Gal. Purged	27.50
Conductance	4060	pH	6.60
Temp. °C	14.45		
Redox Potential Eh (mV)	496		
Turbidity (NTU)	300		

Time	0659	Gal. Purged	0
Conductance	3905	pH	6.80
Temp. °C	14.19		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

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

Time	0702	Gal. Purged	0
Conductance	3903	pH	6.77
Temp. °C	14.22		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 27.50 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.32

Number of casing volumes evacuated (if other than two): 1.50

If well evacuated to dryness, number of gallons evacuated: 27.50

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: ~~95.41~~ 95.41

Sample Time: 0700

See instruction

Comment

Arrived on site at 0729 Tanner and Garrin present for purge. Purge began at 0732 Purged well for a total of 2 minutes and 30 seconds. Purged well dry! water was murky with some sand particles. Purge ended at 0734. Left site at 0737

Arrived on site at 0656 Tanner and Garrin present to collect samples. Depth to water was 69.64 samples bailed and collected at 0700 Left site at 0703

TW4-06 11-12-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-07

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-07_11142013

Date and Time for Purging: 11/13/2013 and Sampling (if different): 11/14/2013

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: TW4-11

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: 65.67

Casing Volume (V) 4" Well: 35.47 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	0828	Gal. Purged	69.50
Conductance	1590	pH	7.20
Temp. °C	14.59		
Redox Potential Eh (mV)	266		
Turbidity (NTU)	27		

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

Time	0812	Gal. Purged	0
Conductance	1476	pH	6.09
Temp. °C	14.69		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0814	Gal. Purged	0
Conductance	1475	pH	6.13
Temp. °C	14.78		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 69.50 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

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

Number of casing volumes evacuated (if other than two): 1.95

If well evacuated to dryness, number of gallons evacuated: 69.50

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: 117.65 Sample Time: 0813

See instruction

Comment

Arrived on site at 0819. Tanner and Garrin present for purge. Purge began at 0822 Purged well for a total of 6 minutes and 20 seconds. Purged well dry. water was mostly clear. Purge ended at 0628. Left site at 0630
Arrived on site at 0809 Tanner and Garrin present to collect samples. Depth to water was 66.27 samples bailed and collected at 0813 Left site at 0815

TW4-07 11-13-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-08

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-08_11072013

Date and Time for Purging: 11/6/2013 and Sampling (if different): 11/7/2013

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: 65.30

Casing Volume (V) 4" Well: 38.98 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1254	Gal. Purged	55
Conductance	3351	pH	7.11
Temp. °C	14.82		
Redox Potential Eh (mV)	207		
Turbidity (NTU)	224		

Time	1255	Gal. Purged	66
Conductance	3346	pH	7.09
Temp. °C	14.83		
Redox Potential Eh (mV)	203		
Turbidity (NTU)	226		

Time	1256	Gal. Purged	77
Conductance	3345	pH	7.07
Temp. °C	14.84		
Redox Potential Eh (mV)	202		
Turbidity (NTU)	226		

Time	1257	Gal. Purged	88
Conductance	3340	pH	7.08
Temp. °C	14.84		
Redox Potential Eh (mV)	201		
Turbidity (NTU)	225		

Volume of Water Purged [88] gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11.0]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [7.08]

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

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

Name of Certified Analytical Laboratory if Other Than Energy 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 [80.06] Sample Time [0813]

See instruction

Comment

Arrived on site at 1245 Tanner and Garrin present for purge. Purge began at 1249 Purged well for a total of 8 minutes. Water was murky, Purge ended at 1257 Left site at 1259
Arrived on site at 0809 Tanner and Garrin present to collect samples. Depth to water was 65.81 Samples bailed and collected at 0813 Left site at 0815

TW4-08 11-06-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-09

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-09-11072013

Date and Time for Purging: 11/6/2013 and Sampling (if different): 11/7/2013

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: 58.03

Casing Volume (V) 4" Well: 40.46 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1323	Gal. Purged	55
Conductance	2388	pH	6.71
Temp. °C	14.90		
Redox Potential Eh (mV)	303		
Turbidity (NTU)	207		

Time	1324	Gal. Purged	66
Conductance	2385	pH	6.73
Temp. °C	14.91		
Redox Potential Eh (mV)	303		
Turbidity (NTU)	210		

Time	1325	Gal. Purged	77
Conductance	2388	pH	6.73
Temp. °C	14.91		
Redox Potential Eh (mV)	304		
Turbidity (NTU)	215		

Time	1326	Gal. Purged	88
Conductance	2389	pH	6.71
Temp. °C	14.91		
Redox Potential Eh (mV)	304		
Turbidity (NTU)	224		

Volume of Water Purged [88] gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11.0]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [7.35]

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

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

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

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 [66.39] Sample Time [0817]

See instruction

Comment

Arrived on site at 1315 Tanner and Garrin present for purge. Purge began at 1318 Purged well for a total of 8 minutes. water was murky. Purge ended at 1326 Left site at 1328.
Arrived on site at 0815 Tanner and Garrin present ~~for purge~~ to collect samples. Depth to water was 58.15 samples bailed and collected at 0817 Left site at 0819

TW4-09 11-06-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-10

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-10_11142013

Date and Time for Purging: 11/13/2013 and Sampling (if different): 11/14/2013

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): 111.00

Depth to Water Before Purging: 58.26

Casing Volume (V) 4" Well: 34.43 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	0855	Gal. Purged	55	Time		Gal. Purged	
Conductance	2410	pH	6.37	Conductance		pH	
Temp. °C	14.68			Temp. °C			
Redox Potential Eh (mV)	319			Redox Potential Eh (mV)			
Turbidity (NTU)	280			Turbidity (NTU)			
Time	0819	Gal. Purged	0	Time	0821	Gal. Purged	0
Conductance	2320	pH	6.54	Conductance	2305	pH	6.51
Temp. °C	14.04			Temp. °C	14.10		
Redox Potential Eh (mV)				Redox Potential Eh (mV)			
Turbidity (NTU)				Turbidity (NTU)			

Before

After

Volume of Water Purged: 55 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.26

Number of casing volumes evacuated (if other than two): 1.59

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: 107.86 Sample Time: 0820

See instruction

Comment

Arrived on site at 0847 Tanner and Garrin present for purge. Purge began at 0850. Purged well for a total of 5 minutes. Purged well dry! water was murky. Purge ended at 0855. Left site at 0858
Arrived on site at 0817. Tanner and Garrin present to collect samples. Depth to water was 58.15 samples bailed and collected at 0820 Left site at 0822

TW4-10 11-13-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2013

Location (well name): TW4-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-11_11132013

Date and Time for Purging: 11/12/2013 and Sampling (if different): 11/13/2013

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): 100.00

Depth to Water Before Purging: 58.40

Casing Volume (V) 4" Well: 27.16 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1427	Gal. Purged	33
Conductance	1672	pH	7.14
Temp. °C	14.47		
Redox Potential Eh (mV)	310		
Turbidity (NTU)	8.9		

Time	1428	Gal. Purged	44
Conductance	1658	pH	7.14
Temp. °C	14.48		
Redox Potential Eh (mV)	309		
Turbidity (NTU)	8.8		

Time	1429	Gal. Purged	55
Conductance	1656	pH	7.14
Temp. °C	14.49		
Redox Potential Eh (mV)	307		
Turbidity (NTU)	8.6		

Time	1430	Gal. Purged	66
Conductance	1663	pH	7.17
Temp. °C	14.46		
Redox Potential Eh (mV)	307		
Turbidity (NTU)	8.4		

Volume of Water Purged: 66 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 4.93

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs: 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: 96.89 Sample Time: 0745

See instruction

Comment

Arrived on site at 1421 Tanner and Garrin present for purge. Purge began at 1424. Purged well for a total of 6 minutes. Water was clear. Purge ended at 1430. Left site at 1433
Arrived on site at 0741 Tanner and Garrin present to collect samples. Depth to Water was 59.30 Samples bailed and collected at 0745 Left site at 0747

TW4-11 11-12-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Chloroform 2013

Location (well name): TW4-12

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-12_11062013

Date and Time for Purging: 11/5/2013 and Sampling (if different): 11/6/2013

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: 42.30

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

Weather Cond.: Sunny

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

Time	0800	Gal. Purged	55
Conductance	127	pH	7.24
Temp. °C	14.54		
Redox Potential Eh (mV)	267		
Turbidity (NTU)	4.7		

Time	0801	Gal. Purged	66
Conductance	130	pH	7.25
Temp. °C	14.55		
Redox Potential Eh (mV)	267		
Turbidity (NTU)	4.7		

Time	0802	Gal. Purged	77
Conductance	134	pH	7.26
Temp. °C	14.55		
Redox Potential Eh (mV)	267		
Turbidity (NTU)	4.8		

Time	0803	Gal. Purged	88
Conductance	140	pH	7.26
Temp. °C	14.56		
Redox Potential Eh (mV)	267		
Turbidity (NTU)	4.8		

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 = 7.02

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: 59.18 Sample Time: 0725

See instruction

Comment

Arrived on site at 0751 Tanner and Garrin present for Purge, Purge began at 0755 Purged well for a total of 8 minutes. Water was clear. Purge ended at 0803. Left site at 0806

Arrived on site at 0722 Tanner and Garrin present to collect samples. Depth to water was 42.51 Samples bailed and collected at 0725 Left site at 0727

TW4-12 11-05-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-13

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-13_11062013

Date and Time for Purging: 11/5/2013 and Sampling (if different): 11/6/2013

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: 47.16

Casing Volume (V) 4" Well: 36.13 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	0839	Gal. Purged	55	Time		Gal. Purged	
Conductance	1727	pH	7.12	Conductance		pH	
Temp. °C	14.52			Temp. °C			
Redox Potential Eh (mV)	298			Redox Potential Eh (mV)			
Turbidity (NTU)	25			Turbidity (NTU)			
Time	0731	Gal. Purged	0	Time	0733	Gal. Purged	0
Conductance	1714	pH	7.24	Conductance	1720	pH	7.15
Temp. °C	13.60			Temp. °C	13.71		
Redox Potential Eh (mV)				Redox Potential Eh (mV)			
Turbidity (NTU)				Turbidity (NTU)			

Before

After

Volume of Water Purged [55] gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11.0]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [6.57]

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

If well evacuated to dryness, number of gallons evacuated [55] 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 [99.95] Sample Time [0732]

See instruction

Comment

Arrived on site at 0830. Tanner and Garrin present for purge. Purge began at 0834. Purged well for a total of 5 Minutes. water was mostly clear. Purged well dry. Purge ended at 0839. Left site at 0841
Arrived on site 0727 Tanner and Garrin present to collect samples. Depth to water was 47.88
Samples bailed and collected at 0732 Left site at 0734

TW4-13 11-05-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-14_11062013

Date and Time for Purging: 11/5/2013 and Sampling (if different): 11/6/2013

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: 84.96

Casing Volume (V) 4" Well: 5.25 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	0911	Gal. Purged	7		
Conductance	4771	pH	6.74		
Temp. °C	13.65				
Redox Potential Eh (mV)	332				
Turbidity (NTU)	64				

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

Time	0737	Gal. Purged	0		
Conductance	4634	pH	7.24		
Temp. °C	12.45				
Redox Potential Eh (mV)					
Turbidity (NTU)					

Before

Time	0739	Gal. Purged	0		
Conductance	4642	pH	7.17		
Temp. °C	12.50				
Redox Potential Eh (mV)					
Turbidity (NTU)					

After

Volume of Water Purged: 7 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 0.95

Number of casing volumes evacuated (if other than two): 1.33

If well evacuated to dryness, number of gallons evacuated: 7

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: 91.04 Sample Time: 0738

See instruction

Comment

Arrived on site at 0907 Tanner and Garrin present for purge. Purge began at 0911 Purged well for 40 seconds. Purged well dry. water was a milky white. Purge ended at 0912. Left site at 0915

Arrived on site at 0735 Tanner and Garrin present to collect samples. Depth to water was 85.32 Samples bailed and collected at 0738 Left site at 0740

TW4-14 11-05-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2013

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: MW-26_10292013

Date and Time for Purging: 10/29/2013 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: 66.06

Casing Volume (V) 4" Well: 36.85 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Overcast

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

Time	1245	Gal. Purged	0
Conductance	2588	pH	6.99
Temp. °C	19.60		
Redox Potential Eh (mV)	247		
Turbidity (NTU)	0		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

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

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

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

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

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

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

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

Final Depth: 78.99 Sample Time: 1246

See instruction

Comment

Arrived on site at 1243. Tanner and Garrin present to collect samples.
Samples collected at 1246. water was clear.
Left site at 1248

Continuous Pumping Well

MW-26 10-29-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-16

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-16_11072013

Date and Time for Purging: 11/6/2013 and Sampling (if different): 11/7/2013

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: 61.90 Casing Volume (V) 4" Well: 52.30 (.653h)
3" Well: 0 (.367h)

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

Time	1359	Gal. Purged	99		
Conductance	3624	pH	6.73		
Temp. °C	14.75				
Redox Potential Eh (mV)	187				
Turbidity (NTU)	43				

Time	1400	Gal. Purged	110		
Conductance	3626	pH	6.74		
Temp. °C	14.74				
Redox Potential Eh (mV)	184				
Turbidity (NTU)	45				

Time	1401	Gal. Purged	121		
Conductance	3628	pH	6.74		
Temp. °C	14.75				
Redox Potential Eh (mV)	185				
Turbidity (NTU)	45				

Time	1402	Gal. Purged	132		
Conductance	3619	pH	6.76		
Temp. °C	14.75				
Redox Potential Eh (mV)	191				
Turbidity (NTU)	46				

Volume of Water Purged: 132 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 9.51

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

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

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

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: 134.44 Sample Time: 0823

See instruction

Comment

Arrived on site at 1346 Tanner and Garrin present for purge. Purge began at 1350
Purged well for a total of 12 minutes. water was a little murky
Purge ended at 1402. Left site at 1404
Arrived on site at 0820 Tanner and Garrin present to collect samples. Depth to water was 62.25 Samples bailed and collected at 0823 Left site at 0825

TW4-16 11-06-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): MW-32_10292013

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-32_10292013

Date and Time for Purging: 10/29/2013 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: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 132.50

Depth to Water Before Purging: 73.85

Casing Volume (V) 4" Well: 38.29 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Overcast with Wind

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

Time	1327	Gal. Purged	77.46
Conductance	3905	pH	6.63
Temp. °C	14.15		
Redox Potential Eh (mV)	196		
Turbidity (NTU)	48		

Time	1328	Gal. Purged	77.68
Conductance	3902	pH	6.62
Temp. °C	14.18		
Redox Potential Eh (mV)	196		
Turbidity (NTU)	49		

Time	1329	Gal. Purged	77.90
Conductance	3901	pH	6.63
Temp. °C	14.18		
Redox Potential Eh (mV)	196		
Turbidity (NTU)	51		

Time	1330	Gal. Purged	78.12
Conductance	3901	pH	6.61
Temp. °C	14.15		
Redox Potential Eh (mV)	196		
Turbidity (NTU)	52		

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 = 352.98

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 76.49 Sample Time 1330

See instruction

Comment

Arrived on ~~site~~ site at 0724. Tanner and Garrin Present for purge and sampling event. Purge began at 0730. Purged well for a total of 360 minutes. water was murky. Purge ended and samples collected at 1330. Left site at 1336

MW-32 10-29-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-18

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-18_11132013

Date and Time for Purging: 11/12/2013 and Sampling (if different): 11/13/2013

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: TW4-18R

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: 61.28

Casing Volume (V) 4" Well: 49.77 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	0847	Gal. Purged	88		
Conductance	1745	pH	6.74		
Temp. °C	15.26				
Redox Potential Eh (mV)	407				
Turbidity (NTU)	601				

Time	0848	Gal. Purged	99		
Conductance	1734	pH	6.73		
Temp. °C	15.25				
Redox Potential Eh (mV)	408				
Turbidity (NTU)	603				

Time	0849	Gal. Purged	110		
Conductance	1709	pH	6.73		
Temp. °C	15.27				
Redox Potential Eh (mV)	408				
Turbidity (NTU)	605				

Time	0850	Gal. Purged	121		
Conductance	1688	pH	6.72		
Temp. °C	15.27				
Redox Potential Eh (mV)	408				
Turbidity (NTU)	605				

Volume of Water Purged: 121 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 9.04

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

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

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

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: 89.75 Sample Time: 0718

See instruction

Comment

Arrived on site at 0835. Tanner and Garrin present for purge. Purge began at 0839. Purged well for a total of 11 minutes. water was a murky white color. Purge ended at 0850. Left site at 0852.

Arrived on site at 0714 Tanner and Garrin present to collect samples. Depth to water was 61.19 samples bailed and collected at 0718 Left site at 0720

TW4-18 11-12-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-18R

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-18R_11122013

Date and Time for Purging: 11/12/2013 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: TW4-05

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)

Weather Cond.: Sunny

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

Time	0826	Gal. Purged	132
Conductance	6.4	pH	5.91
Temp. °C	16.01		
Redox Potential Eh (mV)	551		
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	0826,	Gal. Purged	~~130~~ 132,
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 = 110 11.0

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: 0827

See instruction

Comment

Arrived on site at 0813 Tanner and Garrin present for Rinsate.
Rinsate began at 0814 Pumped 50 Gallons of Soap water. 100 Gallons of D.I. water. Rinsate ended and samples collected at 0827
Left site at 0830

TW4-18R 11-12-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Chloroform 2013

Location (well name): TW4-19

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-19_10292013

Date and Time for Purging: 10/29/2013 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: TW4-04

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: 68.04

Casing Volume (V) 4" Well: 37.19 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Overcast

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

Time	1409	Gal. Purged	0
Conductance	2735	pH	7.02
Temp. °C	14.58		
Redox Potential Eh (mV)	191		
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 = 14.00

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: 74.76 Sample Time: 1410

See instruction

Comment

Arrived on site at 1403. Tanner Holliday present to collect samples. Samples collected at 1410. Water was clear. Left site at 1413.

Continuous Pumping Well.

TW4-19 10-29-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): ~~TW4-22~~ TW4-20 (TW4-20)

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: ~~TW4-23_10232013~~ TW4-20_10292013 (~~TW4-22_10292013~~)

Date and Time for Purging: ~~10/23/2013~~ 10/29/2013

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: TW4-22

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): ~~115.50~~ 106.00

Depth to Water Before Purging: 58.01

Casing Volume (V) 4" Well: 31.33 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Overcast

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

Time	1239	Gal. Purged	0
Conductance	3063	pH	6.42
Temp. °C	15.15		
Redox Potential Eh (mV)	244		
Turbidity (NTU)	2.5		

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 = ~~15.0~~ 10.0

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

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs: 0

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: ~~42.34~~ 67.03

Sample Time: 1240

See instruction

Comment

Arrived on site at 1234. Tanner and Garrin present to collect samples.
Samples collected at 1240. water was mostly clear.
Left site at 1242

Continuous Pumping Well

TW4-20 10-29-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-21

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-21_11132013

Date and Time for Purging: 11/12/2013 and Sampling (if different): 11/13/2013

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: TW4-18

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: 61.40

Casing Volume (V) 4" Well: 38.91 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	0957	Gal. Purged	66
Conductance	3897	pH	7.03
Temp. °C	16.07		
Redox Potential Eh (mV)	341		
Turbidity (NTU)	3.2		

Time	0958	Gal. Purged	77
Conductance	3904	pH	7.07
Temp. °C	16.08		
Redox Potential Eh (mV)	340		
Turbidity (NTU)	3.2		

Time	0959	Gal. Purged	88
Conductance	3909	pH	7.05
Temp. °C	16.08		
Redox Potential Eh (mV)	339		
Turbidity (NTU)	3.3		

Time	1000	Gal. Purged	99
Conductance	3912	pH	7.05
Temp. °C	16.09		
Redox Potential Eh (mV)	339		
Turbidity (NTU)	3.3		

Volume of Water Purged [99] gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11.0]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [7.07]

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs [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 [72.39] Sample Time [0723]

See instruction

Comment

Arrived on site at 0947. Tanner and Garrin present for purge. Purge began at 0951
Purged well for a total of 9 minutes. water was clear.
Purge ended at 1000, Left site at 1002
Arrived on site at 0720 Tanner and Garrin present to collect samples. Depth to water was 60.87. samples bailed and collected at 0723 Left site at 0725

TW4-21 11-12-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): ~~TW4-20~~ TW4-22

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: ~~TW4-20_10292013~~ TW4-22_10292013

Date and Time for Purging: 10/29/2013 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): ~~106.00~~ 113.50

Depth to Water Before Purging: ~~58.01~~ 62.68

Casing Volume (V) 4" Well: ~~31.53~~ (.653h) 33.18
3" Well: 0 (.367h)

Weather Cond.: Overcast

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

Time	1226	Gal. Purged	6
Conductance	6383	pH	6.93
Temp. °C	15.41		
Redox Potential Eh (mV)	242		
Turbidity (NTU)	0		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = ~~10.0~~ 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: 97.11 Sample Time: 1227

See instruction

Comment

Arrived on site at 1223. Tanner and Garrin present to collect samples. Samples collected at 1227. Water was clear. Left site at 1229

Continuous Pumping Well

TW4-22 10-29-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-23

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-23_11072013

Date and Time for Purging: 11/6/2013 and Sampling (if different): 11/7/2013

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: TW4-31

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: 64.85

Casing Volume (V) 4" Well: 32.09 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1222	Gal. Purged	55
Conductance	3728	pH	6.48
Temp. °C	14.19		
Redox Potential Eh (mV)	232		
Turbidity (NTU)	104		

Time	1223	Gal. Purged	66
Conductance	3714	pH	6.43
Temp. °C	14.19		
Redox Potential Eh (mV)	234		
Turbidity (NTU)	100		

Time	1224	Gal. Purged	77
Conductance	3708	pH	6.42
Temp. °C	14.18		
Redox Potential Eh (mV)	238		
Turbidity (NTU)	98		

Time	1225	Gal. Purged	88
Conductance	3716	pH	6.43
Temp. °C	14.19		
Redox Potential Eh (mV)	241		
Turbidity (NTU)	95		

Volume of Water Purged: 88 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 5.83

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: 70.22 Sample Time: 0806

See instruction

Comment

Arrived on site at 1214 Tanner and Garrin Present for purge. Purge began at 1217 Purged well for a total of 8 Minutes. Water had a orange color to it. Purge ended at 1225, Left site at 1228
Arrived on site at 0802. Tanner and Garrin present to collect samples. Depth to water was 64.96 samples bailed and collected at 0806 Left site at 0808

TW4-23 11-06-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-24

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-24_10292013

Date and Time for Purging: 10/29/2013 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: TW4-25

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: 66.20

Casing Volume (V) 4" Well: 30.23 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Overcast

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

Time	1219	Gal. Purged	0
Conductance	8024	pH	6.85
Temp. °C	15.11		
Redox Potential Eh (mV)	250		
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 = [18.0]

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 [73.24] Sample Time [1220]

See instruction

Comment

Arrived on site at 1215, Tanner and Garrin present to collect samples.
Samples collected at 1220. water was clear.
Left site at 1222

Continuous Pumping Well

TW4-24 10-29-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-25_10292013

Date and Time for Purging: 10/29/2013 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-32

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: 58.00

Casing Volume (V) 4" Well: 50.15 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1203	Gal. Purged	0
Conductance	2759	pH	7.09
Temp. °C	16.55		
Redox Potential Eh (mV)	269		
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 = 18.0

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: 76.49 Sample Time: 1204

See instruction

Comment

Arrived on site at 1159. Tanner and Garrin present to collect samples.
Samples collected at 1204 water was clear
Left site at 1207

Continuous Pumping Well

TW4-25 10-29-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2013

Location (well name): TW4-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-26_11072013

Date and Time for Purging: 11/6/2013 and Sampling (if different): 11/7/2013

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: 63.19

Casing Volume (V) 4" Well: 14.89 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1424	Gal. Purged	19		
Conductance	6547	pH	4.15		
Temp. °C	14.91				
Redox Potential Eh (mV)	438				
Turbidity (NTU)	107				

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

Time	0833	Gal. Purged	0		
Conductance	6424	pH	4.89		
Temp. °C	12.60				
Redox Potential Eh (mV)					
Turbidity (NTU)					

Before

Time	0835	Gal. Purged	0		
Conductance	6430	pH	4.88		
Temp. °C	12.65				
Redox Potential Eh (mV)					
Turbidity (NTU)					

After

Volume of Water Purged [19] gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11.0]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [2.70]

Number of casing volumes evacuated (if other than two) [1.27]

If well evacuated to dryness, number of gallons evacuated [19]

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 [84.11] Sample Time [0834]

See instruction

Comment

Arrived on site at 1420 Tanner and Garrin present for purge. Purge began at 1423 Purged well for a total of 1 minute and 45 seconds. Purged well dry! water was murky. Purge ended at 1425. Left site at 1430.
Arrived on site at 0830 Tanner and Garrin present to collect samples. Depth to water was 63.35 Samples bailed and collected at 0834 Left site at 0836

[TW4-26 11-06-2013] Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2013

Location (well name): TW4-27

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-27_11062013

Date and Time for Purging: 11/5/2013 and Sampling (if different): 11/6/2013

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: TW4-14

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: 81.05

Casing Volume (V) 4" Well: 9.76 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1352	Gal. Purged	11	Time		Gal. Purged	
Conductance	5393	pH	6.41	Conductance		pH	
Temp. °C	14.74			Temp. °C			
Redox Potential Eh (mV)	355			Redox Potential Eh (mV)			
Turbidity (NTU)	25			Turbidity (NTU)			
Time	0745	Gal. Purged	0	Time	0747	Gal. Purged	0
Conductance	5396	pH	6.90	Conductance	5399	pH	6.87
Temp. °C	12.82			Temp. °C	12.85		
Redox Potential Eh (mV)				Redox Potential Eh (mV)			
Turbidity (NTU)				Turbidity (NTU)			
Before				After			

Volume of Water Purged: 111 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 1.77

Number of casing volumes evacuated (if other than two): 1.12

If well evacuated to dryness, number of gallons evacuated: 111

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: 0746

See instruction

Comment

Arrived on site at 1346 Tanner and Garrin present to purge well. Purge began at 1351. Purged well for 1 minute. Purged well dry; water was a milky white color. Purge ended at 1352. Left site at 1353

Arrived on site at 0741 Tanner and Garrin present to collect samples. Depth to water was 81.75 Samples bailed and collected at 0746 Left site at 0748

TW4-27 11-05-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-28

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-28_11062013

Date and Time for Purging: 11/5/2013 and Sampling (if different): 11/6/2013

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: TW4-27

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: 36.98

Casing Volume (V) 4" Well: 45.72 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1434	Gal. Purged	66
Conductance	1147	pH	7.20
Temp. °C	14.54		
Redox Potential Eh (mV)	267		
Turbidity (NTU)	367		

Time	1435	Gal. Purged	77
Conductance	1142	pH	7.22
Temp. °C	14.56		
Redox Potential Eh (mV)	264		
Turbidity (NTU)	345		

Time	1436	Gal. Purged	88
Conductance	1144	pH	7.22
Temp. °C	14.53		
Redox Potential Eh (mV)	263		
Turbidity (NTU)	347		

Time	1437	Gal. Purged	99
Conductance	1140	pH	7.23
Temp. °C	14.53		
Redox Potential Eh (mV)	263		
Turbidity (NTU)	342		

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 = [8.31]

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

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

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

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 [101.95] Sample Time [0753]

See instruction

Comment

Arrived on site at 1425, Tanner and Garrin present to purge well. Purge began at 1428 Purged well for a total of 9 Minutes, water was murky. Purge ended at 1437. Left site at 1440
Arrived on site at 0749 Tanner and Garrin present to collect samples. Depth to water was 37.22 samples bailed and collected at 0753 Left site at 0755

TW4-28 11-05-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2013

Location (well name): TW4-29

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-29_11132013

Date and Time for Purging: 11/12/2013 and Sampling (if different): 11/13/2013

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: TW4-18

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: 72.31

Casing Volume (V) 4" Well: 13.83 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1029	Gal. Purged	11.00
Conductance	4365	pH	6.92
Temp. °C	15.12		
Redox Potential Eh (mV)	353		
Turbidity (NTU)	80		

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

Time	0736	Gal. Purged	0
Conductance	4312	pH	7.00
Temp. °C	13.24		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0738	Gal. Purged	0
Conductance	4314	pH	6.99
Temp. °C	13.22		
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 = 2.51

Number of casing volumes evacuated (if other than two): 1.30

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: 91.06 Sample Time: 0737

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 and 40 Seconds. water was a little murky. Purge ended at 1029. Left site at 1033 Arrived on site at 0733 Tanner and Garrin present to collect samples. Depth to water was 72.25 Samples bailed and collected at 0737 Left site at 0739

TW4-29 11-12-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-30_11072013

Date and Time for Purging: 11/6/2013 and Sampling (if different): 11/7/2013

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: TW4-28

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: 77.76

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

Weather Cond.: Sunny

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

Time	1043	Gal. Purged	14
Conductance	4396	pH	5.30
Temp. °C	14.06		
Redox Potential Eh (mV)	340		
Turbidity (NTU)	31		

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

Time	0750	Gal. Purged	0
Conductance	4454	pH	6.46
Temp. °C	15.09		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0752	Gal. Purged	0
Conductance	4450	pH	6.40
Temp. °C	15.05		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 14 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 1.75

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

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

Name of Certified Analytical Laboratory if Other Than Energy 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: 90.15 Sample Time: 0751

See instruction

Comment

Arrived on site at 1038 Tanner and Garrin present for purge. Purge began at 1042 Purged well for a total of 1 minute and 20 seconds. Purged well dry! water was mostly clear. Purge ended at 1043. Left site at 1047
Arrived on site at 0747 Tanner and Garrin present to collect samples Depth to water was 77.87 samples bailed and collected at 0751 Left site at 0753

Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-31_11072013

Date and Time for Purging: 11/6/2013 and Sampling (if different): 11/7/2013

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: TW4-30

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: 83.70

Casing Volume (V) 4" Well: 14.56 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1152	Gal. Purged	16.50	Time		Gal. Purged	
Conductance	4965	pH	6.83	Conductance		pH	
Temp. °C	14.54			Temp. °C			
Redox Potential Eh (mV)	326			Redox Potential Eh (mV)			
Turbidity (NTU)	67		67	Turbidity (NTU)			
Time	0757	Gal. Purged	0	Time	0759	Gal. Purged	0
Conductance	4951	pH	6.60	Conductance	4954	pH	6.70
Temp. °C	14.08			Temp. °C	14.09		
Redox Potential Eh (mV)				Redox Potential Eh (mV)			
Turbidity (NTU)				Turbidity (NTU)			

Before

After

Volume of Water Purged: 16.50 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

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

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

If well evacuated to dryness, number of gallons evacuated: 16.50

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: 104.11 Sample Time: 0758

See instruction

Comment

Arrived on site at 1148 Tanner and Garrin present for purge. Purge began at 1151 Purged well for a total of 1 minute 30 seconds. Purged well dry, water was a little murky. Purge ended at 1152. Left site at 1155

Arrived on site at 0754 Tanner and Garrin present to collect samples. Depth to water was 83.78 samples bailed and collected at 0758 Left site at 0800

TW4-31 11-06-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Chloroform 2013

Location (well name): TW4-32

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-32_11142013

Date and Time for Purging: 11/13/2013 and Sampling (if different): 11/14/2013

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: TW4-02

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm Well Depth(0.01ft): 115.10

Depth to Water Before Purging: 48.46 Casing Volume (V) 4" Well: 43.51 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event): 8°

Time	1053	Gal. Purged	66
Conductance	6826	pH	4.12
Temp. °C	14.61		
Redox Potential Eh (mV)	453		
Turbidity (NTU)	25		

Time	1054	Gal. Purged	77
Conductance	6870	pH	4.12
Temp. °C	14.61		
Redox Potential Eh (mV)	451		
Turbidity (NTU)	24		

Time	1055	Gal. Purged	88
Conductance	6888	pH	4.12
Temp. °C	14.63		
Redox Potential Eh (mV)	451		
Turbidity (NTU)	24		

Time	1056	Gal. Purged	99
Conductance	6893	pH	4.13
Temp. °C	14.64		
Redox Potential Eh (mV)	448		
Turbidity (NTU)	23		

Volume of Water Purged [99] gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11.0]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [7.91]

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 [72.30] Sample Time [0842]

See instruction

Comment

Arrived on site at 1044 Tanner and Garrin present for purge. Purge began at 1047
Purged well for a total of 9 minutes. water was mostly clear.
Purge ended at 1056. Left site at 1059
Arrived on site at 0839 Tanner and Garrin present to collect samples. Depth to water was 48.12
Samples bailed and collected at 0842 Left site at 0844

TW4-32 11-13-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-33

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: TW4-33_11142013

Date and Time for Purging: 11/13/2013 and Sampling (if different): 11/14/2013

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: TW4-32

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 87.90

Depth to Water Before Purging: 70.54

Casing Volume (V) 4" Well: 11.33 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1234	Gal. Purged	12
Conductance	4579	pH	6.58
Temp. °C	15.21		
Redox Potential Eh (mV)	428		
Turbidity (NTU)	25		

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

Time	0848	Gal. Purged	0
Conductance	4393	pH	6.74
Temp. °C	14.03		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0850	Gal. Purged	0
Conductance	4359	pH	6.75
Temp. °C	14.05		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged [12] gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [11.0]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [2.06]

Number of casing volumes evacuated (if other than two) [1.05]

If well evacuated to dryness, number of gallons evacuated [12]

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 [84.25] Sample Time [0849]

See instruction

Comment

Arrived on site at 1231 Tanner and Garrin present for purge. Purge began at 1233 Purged well for a total of 1 minute 10 seconds. Purged well dry! water was mostly clear. Purge ended ~~and so~~ at 1234. Left site at 1237. Arrived on site at 0846 Tanner and Garrin Present to collect samples. Depth to water was 70.42 samples bailed and collected at 0849 Left site at 0851

TW4-33 11-13-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2013

Location (well name): TW4-34

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4_34_11142013

Date and Time for Purging: 11/13/2013 and Sampling (if different): 11/14/2013

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: TW4-33

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: 69.72

Casing Volume (V) 4" Well: 18.14 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1307	Gal. Purged	27.50
Conductance	3999	pH	6.80
Temp. °C	14.94		
Redox Potential Eh (mV)	365		
Turbidity (NTU)	138		

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

Time	0855	Gal. Purged	0
Conductance	3901	pH	6.73
Temp. °C	14.14		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0857	Gal. Purged	0
Conductance	3907	pH	6.74
Temp. °C	14.12		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 27.50 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.29

Number of casing volumes evacuated (if other than two): 1.51

If well evacuated to dryness, number of gallons evacuated: 27.50

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: 95.43 Sample Time: 0856

See instruction

Comment

Arrived on site at 1302 Tanner and Garrin present for purge. Purge began at ~~69.72~~ 1305. Purged well for a total of 2 minutes and 30 seconds. Purged well dry! Water was murky. Purge ended at 1307. Left site at 1310
Arrived on site at 0852 Tanner and Garrin present to collect samples. Depth to water was 69.57 Samples bailed and collected at 0856 Left site at 0858

TW4-34 11-13-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2013

Location (well name): TW4-60

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-60 11142013

Date and Time for Purging: 11/14/2013 and Sampling (if different): N/A

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: TW4-34

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)

Weather Cond.: Cloudy

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

Time	0659	Gal. Purged	0
Conductance	0.8	pH	6.99
Temp. °C	19.03		
Redox Potential Eh (mV)	345		
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 = 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: 0700

See instruction

Comment

D.I Sample

TW4-60 11-14-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform

Location (well name): TW4-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-65_10292013

Date and Time for Purging: 10/29/2013 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: 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): 132.50

Depth to Water Before Purging: 73.85

Casing Volume (V) 4" Well: 38.29 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Overcast

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

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

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

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

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

Volume of Water Purged: 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 = 352.98

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: 76.49 Sample Time: 1330

See instruction

Comment

Duplicate of ~~FW~~ MW-32

TW4-65 10-29-2013 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2013

Location (well name): TW4-70

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-70_11072013

Date and Time for Purging: 11/6/2013 and Sampling (if different): 11/7/2013

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: 61.90

Casing Volume (V) 4" Well: 52.30 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

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

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 = 9.51

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

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

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

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: 134.44 Sample Time: 0823

See instruction

Comment

Duplicate of TW4-16

TW4-70 11-06-2013 Do not touch this cell (SheetName)

Tab C

Weekly and Monthly Depth to Water Data

3758012

Weekly Inspection Form

Date 10/7/2013 **Name** Tanner Holliday, Garrin Palmer

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1401	MW-4	68.80	Flow 43	Yes No
			Meter 207434.25	Yes No
1358	MW-26	62.45	Flow 100	Yes No
~~1358~~			Meter 364471.02	Yes No
1430	TW4-19	63.89	Flow 14.0	Yes No
			Meter 1601250.06	Yes No
1353	TW4-20	81.40	Flow 4.8	Yes No
			Meter 593094.47	Yes No
1403	TW4-4	70.11	Flow 8.0	Yes No
			Meter 1921847	Yes No
1343	TWN-2	60.01	Flow 18.5	Yes No
			Meter 134413.0	Yes No
1350	TW4-22	58.00	Flow 18.2	Yes No
			Meter 69692.4	Yes No
1347	TW4-24	75.61	Flow 18.2	Yes No
			Meter 619408.2	Yes No
1340	TW4-25	69.50	Flow 18.5	Yes No
			Meter 4027164	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 10/14/13 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1244	MW-4	67.71	Flow 9.4 GPM	(Yes) No
			Meter 212721.88	(Yes) No
1240	MW-26	64.97	Flow 10.4 GPM	(Yes) No
			Meter 366068.27	(Yes) No
1147	TW4-19	60.74	Flow 14.0 GPM	(Yes) No
			Meter 1632475.05	(Yes) No
1237	TW4-20	62.13	Flow 9.6 GPM	(Yes) No
			Meter 594824.40	(Yes) No
1248	TW4-4	69.10	Flow 7.4 GPM	(Yes) No
			Meter 196602.60	(Yes) No
1225 ~~27.30~~	TWN-2	27.30	Flow 18 6 GPM	(Yes) No
			Meter 138368.70	(Yes) No
1233	TW4-22	58.05	Flow 18.0 GPM	(Yes) No
			Meter 71604.72	(Yes) No
1230	TW4-24	66.39	Flow 18.0 GPM	(Yes) No
			Meter 638297.10	(Yes) No
1220	TW4-25	85.60	Flow 18.4 GPM	(Yes) No
			Meter 411878.70	(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 10/23/13 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1446	MW-4	58.20	Flow 4.3 GPM	(Yes) No
			Meter 219761.27	(Yes) No
1439	MW-26	87.10	Flow 10.0 GPM	(Yes) No
			Meter 368478.67	(Yes) No
1504	TW4-19	60.26	Flow 14.0 GPM	(Yes) No
			Meter 1672777.60	(Yes) No
1435	TW4-20	65.30	Flow 10.1 GPM	(Yes) No
			Meter 596410.23	(Yes) No
1450	TW4-4	68.78	Flow 7.2 GPM	(Yes) No
			Meter 202682.80	(Yes) No
1424	TWN-2	28.02	Flow 18.1 GPM	(Yes) No
			Meter 143049.60	(Yes) No
1432	TW4-22	59.39	Flow 18.2 GPM	(Yes) No
			Meter 74080.60	(Yes) No
1428	TW4-24	66.60	Flow 18.0 GPM	(Yes) No
			Meter 662218.20	(Yes) No
1420	TW4-25	58.58	Flow 18.0 GPM	(Yes) No
			Meter 425067.40	(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 10/24/2013 **Name** Tanner Holliday, Garrin Palmer

Time	Well	Depth*	Time	Well	Depth*
1007	MW-4	73.85	0934	TWN-1	56.97
1008	TW4-1	64.19	0930	TWN-2	34.17
1010	TW4-2	65.74	0949	TWN-3	36.70
1017	TW4-3	52.10	0946	TWN-4	49.15
1018	TW4-4	69.98	0955	TWN-7	87.90
1021	TW4-5	60.06	0943	TWN-18	58.77
1004	TW4-6	69.32	0952	MW-27	52.80
1009	TW4-7	65.75	1000	MW-30	75.21
1012	TW4-8	65.12	1004	MW-31	67.51
1019	TW4-9	57.75	0938	TW4-28	37.03
1015	TW4-10	57.97	0947	TW4-29	72.10
1014	TW4-11	58.10	0951	TW4-30	77.65
0935	TW4-12	42.37	0953	TW4-31	83.57
0941	TW4-13	47.59	0939	TW4-32	48.20
0943	TW4-14	85.11	0955	TW4-33	70.50
1008	TW4-15	63.69	0949	TW4-34	69.70
1006	TW4-16	61.52			
1018	TW4-17	73.86			
0936	TW4-18	61.69			
1006	TW4-19	68.68			
1016	TW4-20	62.64			
0939	TW4-21	60.42			
1014	TW4-22	58.15			
1002	TW4-23	64.65			
1011	TW4-24	75.59			
0932	TW4-25	83.63			
0959	TW4-26	63.00			
0945	TW4-27	81.24			

Comments: (Please note the well number for any comments)

* Depth is measured to the nearest 0.01 feet

Weekly Inspection Form

Date 10/28/13 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1011	MW-4	73.17	Flow 4.4 GPM	(Yes) No
			Meter 223723.40	(Yes) No
1007	MW-26	63.62	Flow 10.4 GPM	(Yes) No
			Meter 369728.54	(Yes) No
1026	TW4-19	74.40	Flow 14.00	(Yes) No
			Meter 1694238.00	(Yes) No
1004	TW4-20	62.51	Flow 10.0 GPM	(Yes) No
			Meter 597405.97	(Yes) No
1014	TW4-4	79.98	Flow 7.5 GPM	(Yes) No
			Meter 205880.10	(Yes) No
0949	TWN-2	26.50	Flow 18.0 GPM	(Yes) No
			Meter 146047.23	(Yes) No
0959	TW4-22	57.79	Flow 18.4 GPM	(Yes) No
			Meter 75399.70	(Yes) No
0955	TW4-24	66.15	Flow 18.1 GPM	(Yes) No
			Meter 674909.00	(Yes) No
0945	TW4-25	52.77	Flow 17.9 GPM	(Yes) No
			Meter 432171.80	(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 11/4/13 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1351	MW-4	68.87	Flow 4.4 GPM	(Yes) No
			Meter 229130.38	(Yes) No
1348	MW-26	63.34	Flow 10.1 GPM	(Yes) No
			Meter 371606.81	(Yes) No
1415	TW4-19	61.86	Flow 14.0 GPM	(Yes) No
			Meter 1720063.00	(Yes) No
1345	TW4-20	62.65	Flow 9.9 GPM	(Yes) No
			Meter 598920.15	(Yes) No
1355	TW4-4	69.10	Flow 8.1 GPM	(Yes) No
			Meter 210426.80	(Yes) No
1335	TWN-2	27.02	Flow 18.5 GPM	(Yes) No
			Meter 149317.40	(Yes) No
1242	TW4-22	57.98	Flow 18.2 GPM	(Yes) No
			Meter 77371.30	(Yes) No
1239	TW4-24	66.21	Flow 17.9 GPM	(Yes) No
			Meter 693905.20	(Yes) No
1330	TW4-25	69.21	Flow 18.0 GPM	(Yes) No
			Meter 442431.30	(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 11/11/13 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1000	MW-4	69.21	Flow 4.3 GPM	(Yes) No
			Meter 234401.25	(Yes) No
0957	MW-26	63.85	Flow 10.3 GPM	(Yes) No
			Meter 373565.17	(Yes) No
1120	TW4-19	60.48	Flow 14.0 GPM	(Yes) No
			Meter 1757280.00	(Yes) No
0954	TW4-20	63.30	Flow 9.9 GPM	(Yes) No
			Meter 600552.82	(Yes) No
1004	TW4-4	69.82	Flow 8.0 GPM	(Yes) No
			Meter 215068.40	(Yes) No
0938	TWN-2	27.81	Flow 18.8 GPM	(Yes) No
			Meter 153634.20	(Yes) No
0950	TW4-22	58.60	Flow 18.0 GPM	(Yes) No
			Meter 79136.40	(Yes) No
0946	TW4-24	63.72	Flow 18.0 GPM	(Yes) No
			Meter 714182.50	(Yes) No
0934	TW4-25	71.80	Flow 18.4 GPM	(Yes) No
			Meter 452372.80	(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 11/21/2013 **Name** Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1306	MW-4	69.43	Flow 4.3	Yes No
			Meter 242289.45	Yes No
1302	MW-26	64.18	Flow 10.4	Yes No
			Meter 37608196	Yes No
1330	TW4-19	62.50	Flow 14.0	Yes No
			Meter 1801918.07	Yes No
1259	TW4-20	63.42	Flow 10.0	Yes No
			Meter 602466.22	Yes No
1311	TW4-4	71.03	Flow 8.0	Yes No
			Meter 221647.0	Yes No
1246	TWN-2	34.07	Flow 18.6	Yes No
			Meter 158911.0	Yes No
1255	TW4-22	58.65	Flow 18.0	Yes No
			Meter 81977.5	Yes No
1252	TW4-24	63.71	Flow 18.0	Yes No
			Meter 743678.2	Yes No
1241	TW4-25	70.06	Flow 18.4	Yes No
			Meter 466982.5	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 11/25/13 **Name** Garcia, Palmer, Tanner, Halliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1345	MW-4	68.55	Flow 4.4 gpm	(Yes) No
			Meter 245353.31	(Yes) No
1341	MW-26	82.38	Flow 10.7 gpm	(Yes) No
			Meter 377032.68	(Yes) No
1401	TW4-19	67.78	Flow 14.0 gpm	(Yes) No
			Meter ~~1818794.~~ 1818794.08	(Yes) No
1339	TW4-20	65.50	Flow ~~65.50~~ 10.2 gpm	(Yes) No
			Meter 603333.70	(Yes) No
1347	TW4-4	69.95	Flow 8.0 gpm	(Yes) No
			Meter 224384.40	(Yes) No
1328	TWN-2	27.21	Flow 18.5 GPM	(Yes) No
			Meter 161151.20	(Yes) No
1336	TW4-22	58.55	Flow 18.1 gpm	(Yes) No
			Meter 82060.60	(Yes) No
1333	TW4-24	71.77	Flow 18.0 GPM	(Yes) No
			Meter 755596.7	(Yes) No
1323	TW4-25	69.10	Flow 18.7 GPM	(Yes) No
			Meter 472022.70	(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 11/29/2013 **Name** Tanner Holliday

Time	Well	Depth*	Time	Well	Depth*
0655	MW-4	69.45	0606	TWN-1	56.95
~~0656~~ 0659	TW4-1	64.00	0617	TWN-2	34.15
0653	TW4-2	65.94	0621	TWN-3	36 70
0805	TW4-3	51 95	0624	TWN-4	49 13
0707	TW4-4	70.01	0634	TWN-7	87.91
0801	TW4-5	60.48	0840	TWN-18	58.78
0704	TW4-6	69.53	0630	MW-27	52.77
0657	TW4-7	65.66	0813	MW-30	75.20
0701	TW4-8	65.29	0817	MW-31	67..50
6803	TW4-9	58.04	0718	TW4-28	36.97
0758	TW4-10	58.25	0735	TW4-29	72.33
0650	TW4-11	58.39	0738	TW4-30	77.77
0715	TW4-12	42.32	0740	TW4-31	83.75
0724	TW4-13	47.19	0721	TW4-32	48.31
0726	TW4-14	84.99	0735	TW4-33	70.58
0647	TW4-15	63.98	0732	TW4-34	69.81
0754	TW4-16	61 89			
0750	TW4-17	73.85			
0603	TW4-18	61.17			
0830	TW4-19	64.15			
0644	TW4-20	58.03			
0610	TW4-21	61.41			
0642	TW4-22	62.73			
0707	TW4-23	64.85			
0640	TW4-24	~~64~~ 64.98			
0613	TW4-25	57.99			
0706	TW4-26	63.13			
0730	TW4-27	81.08			

Comments: (Please note the well number for any comments)

* Depth is measured to the nearest 0.01 feet

Weekly Inspection Form

Date 12/2/13 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1319	MW-4	68.29	Flow 4.4 GPM	(Yes) No
			Meter 250611.54	(Yes) No
1315	MW-26	63.90	Flow 10.0 GPM	(Yes) No
			Meter 378609.58	(Yes) No
1515	TW4-19	69.44	Flow 14.00	(Yes) No
			Meter 1850060.40	(Yes) No
1312	TW4-20	72.95	Flow 9.7 GPM	(Yes) No
			Meter 6048114.60	(Yes) No
1323	TW4-4	69.60	Flow 8.0 GPM	(Yes) No
			Meter 228988.40	(Yes) No
1232	TWN-2	26.70	Flow 18.6 GPM	(Yes) No
			Meter 164049.60	(Yes) No
1309	TW4-22	58.46	Flow 18.0 GPM	(Yes) No
			Meter 84060.50	(Yes) No
1305	TW4-24	71.20	Flow 17.4 GPM	(Yes) No
			Meter 775631.40	(Yes) No
1225	TW4-25	80.00	Flow 17.8 GPM	(Yes) No
			Meter 482735.50	(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 12/9/2013 **Name** Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1320	MW-4	68.98	Flow 4.3	(Yes) No
			Meter 256081.23	(Yes) No
1317	MW-26	64.40	Flow 10.3	(Yes) No
			Meter 380614.56	(Yes) No
1400	TW4-19	68.19	Flow 14.0	(Yes) No
			Meter 1879341.07	(Yes) No
1315	TW4-20	72.80	Flow 10.0	(Yes) No
			Meter 60626788	(Yes) No
1323	TW4-4	69.93	Flow 7.4	(Yes) No
			Meter 233591.4	(Yes) No
1305	TWN-2	26.00	Flow 18.0	(Yes) No
			Meter 168765.9	(Yes) No
1310	TW4-22	58.90	Flow 18.3	(Yes) No
			Meter 86778.0	(Yes) No
1307	TW4-24	90.03	Flow 16.9	(Yes) No
			Meter 796182.8	(Yes) No
1300	TW4-25	61.60	Flow 17.0	(Yes) No
			Meter 492788.0	(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 12/16/2013 **Name** Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1410	MW-4	69.03	Flow 4.3	(Yes) No
			Meter 261351.21	(Yes) No
1406	MW-26	66.49	Flow ~~10.2~~ 10.2	(Yes) No
			Meter 382457.83	(Yes) No
1421	TW4-19	67.15	Flow 14.0	(Yes) No
			Meter 1906740.04	(Yes) No
1403	TW4-20	71.39	Flow 10.0	(Yes) No
			Meter 607740.70	(Yes) No
1413	TW4-4	69.99	Flow 7.8	(Yes) No
			Meter 238184.6	(Yes) No
1353	TWN-2	30.08	Flow 18.0	(Yes) No
			Meter 172504.8	(Yes) No
1400	TW4-22	59.91	Flow 18.3	(Yes) No
			Meter 887973	(Yes) No
1357	TW4-24	64.17	Flow 17.4	(Yes) No
			Meter 816200.1	(Yes) No
1350	TW4-25	63.1	Flow 17.3	(Yes) No
			Meter 502614.0	(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 12/23/2013 **Name** Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1434	MW-4	69.85	Flow 4.3	Yes No
			Meter 266746.70	Yes No
1429	MW-26	67.33	Flow 10.3	Yes No
			Meter 38438880	Yes No
1~~059~~	TW4-19	68.10	Flow 14.0	Yes No
1450			Meter 1937554.06	Yes No
1425	TW4-20	72.44	Flow 10.0	Yes No
			Meter 609228.66	Yes No
1~~446~~	TW4-4	69.95	Flow 7.8	Yes No
1437			Meter 242791.7	Yes No
1412	TWN-2	32.04	Flow ~~32.40~~ 18.0	Yes No
			Meter 176300.2	Yes No
1420	TW4-22	60.00	Flow 18.3	Yes No
			Meter 90680.7	Yes No
1417	TW4-24	64.73	Flow ~~10.5~~ 17.3	Yes No
			Meter 837389.9	Yes No
1408	TW4-25	63.01	Flow 17.5	Yes No
			Meter 506959.3	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.

4067726

Weekly Inspection Form

Date 12/31/13 **Name** Gerrin Palmer

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1247	MW-4	69.50	Flow 3.3 GPM	(Yes) No
			Meter 272932.58	(Yes) No
1251	MW-26	65.38	Flow 10.4 GPM	(Yes) No
			Meter 386531.80	(Yes) No
1350	TW4-19	67.88	Flow 14.0 GPM	(Yes) No
			Meter 1974298.00	(Yes) No
1300	TW4-20	79.53	Flow 10.0 GPM	(Yes) No
			Meter 610901.51	(Yes) No
1244	TW4-4	69.40	Flow 8.0 GPM	(Yes) No
			Meter 248069.20	(Yes) No
1300	TWN-2	31.74	Flow 18.3 GPM	(Yes) No
			Meter 180605.10	(Yes) No
1305	TW4-22	59.60	Flow 18.0 GPM	(Yes) No
			Meter 92745.70	(Yes) No
1309	TW4-24	80.0	Flow 18.0 GPM	(Yes) No
			Meter 860610.70	(Yes) No
1325	TW4-25	60.78	Flow 18.3 GPM	(Yes) No
			Meter 519097.70	(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, David Turk

DATE: 12/20/2013

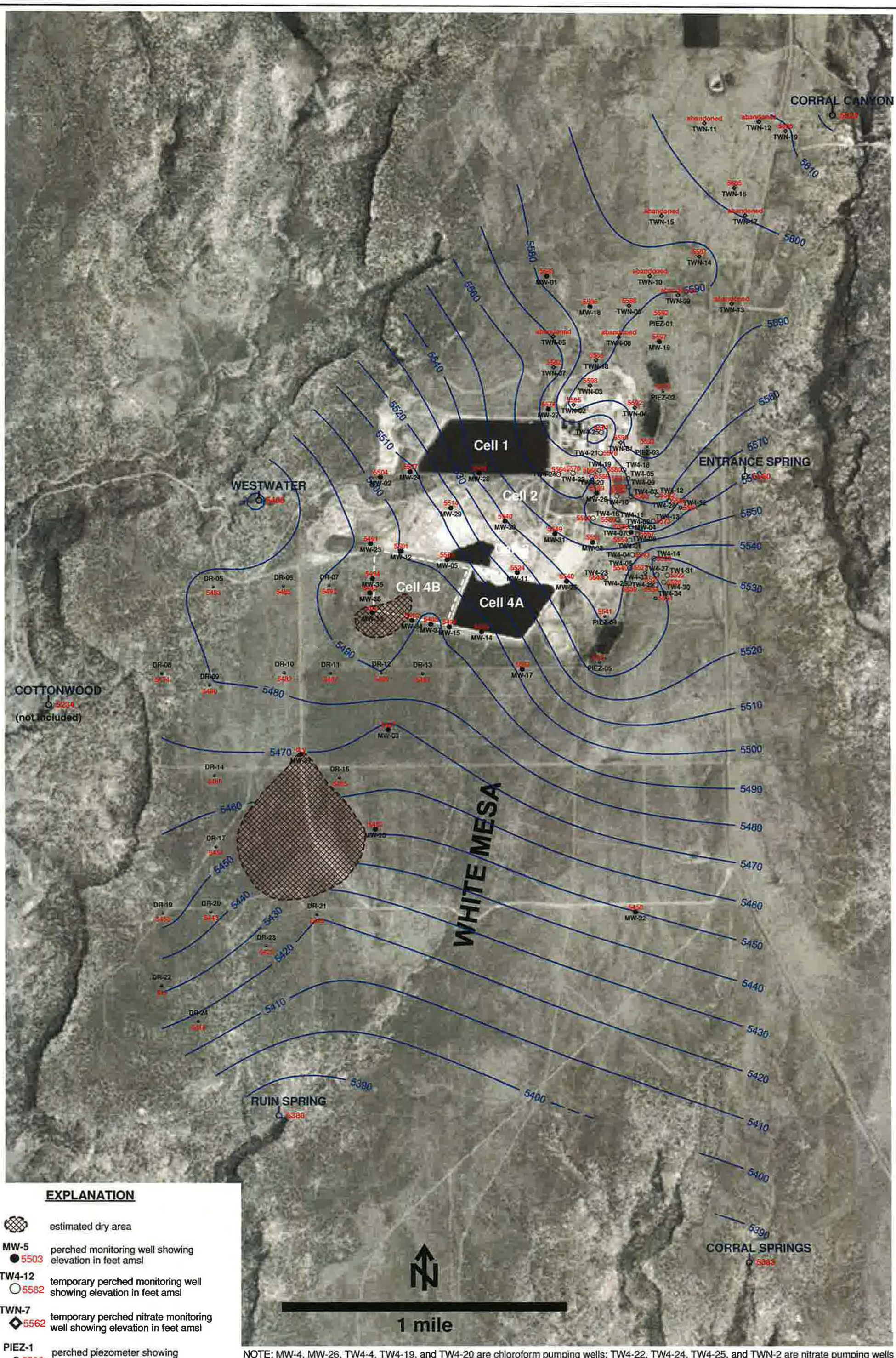
TIME	WELL	Static level
1211	MW-1	64.60
951	MW-2	109.52
1304	MW-3	87.49
1303	MW-3A	85.93
935	MW-5	106.02
939	MW-11	86.51
933	MW-12	108.11
917	MW-14	103.25
917	MW-15	105.90
1308	MW-17	72.95
1209	MW-18	71.11
1152	MW-19	58.38
1226	MW-20	89.10
1153	MW-22	67.70
931	MW-23	120.72
1233	MW-24	114.15
942	MW-25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

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

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

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

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



EXPLANATION

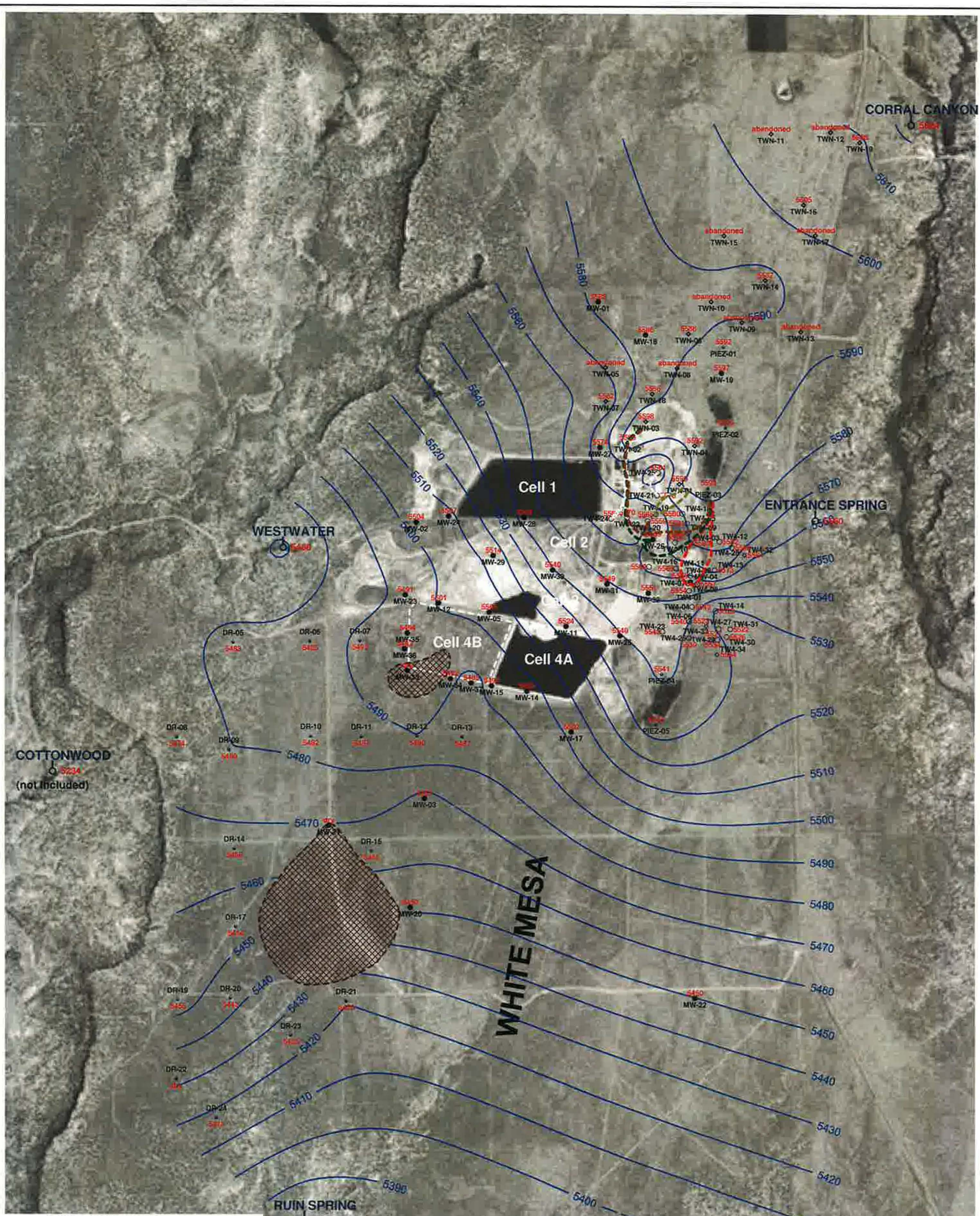
- estimated dry area
- **MW-5** ● 5503 — perched monitoring well showing elevation in feet amsl
- **TW4-12** ○ 5582 — temporary perched monitoring well showing elevation in feet amsl
- **TWN-7** ◇ 5562 — temporary perched nitrate monitoring well showing elevation in feet amsl
- **PIEZ-1** ⊖ 5592 — perched piezometer showing elevation in feet amsl
- **TW4-32** ☼ 5564 — temporary perched monitoring well installed September, 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 4th QUARTER, 2013 WATER LEVELS WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/feb14/Uwl1213.srf	D-1



EXPLANATION

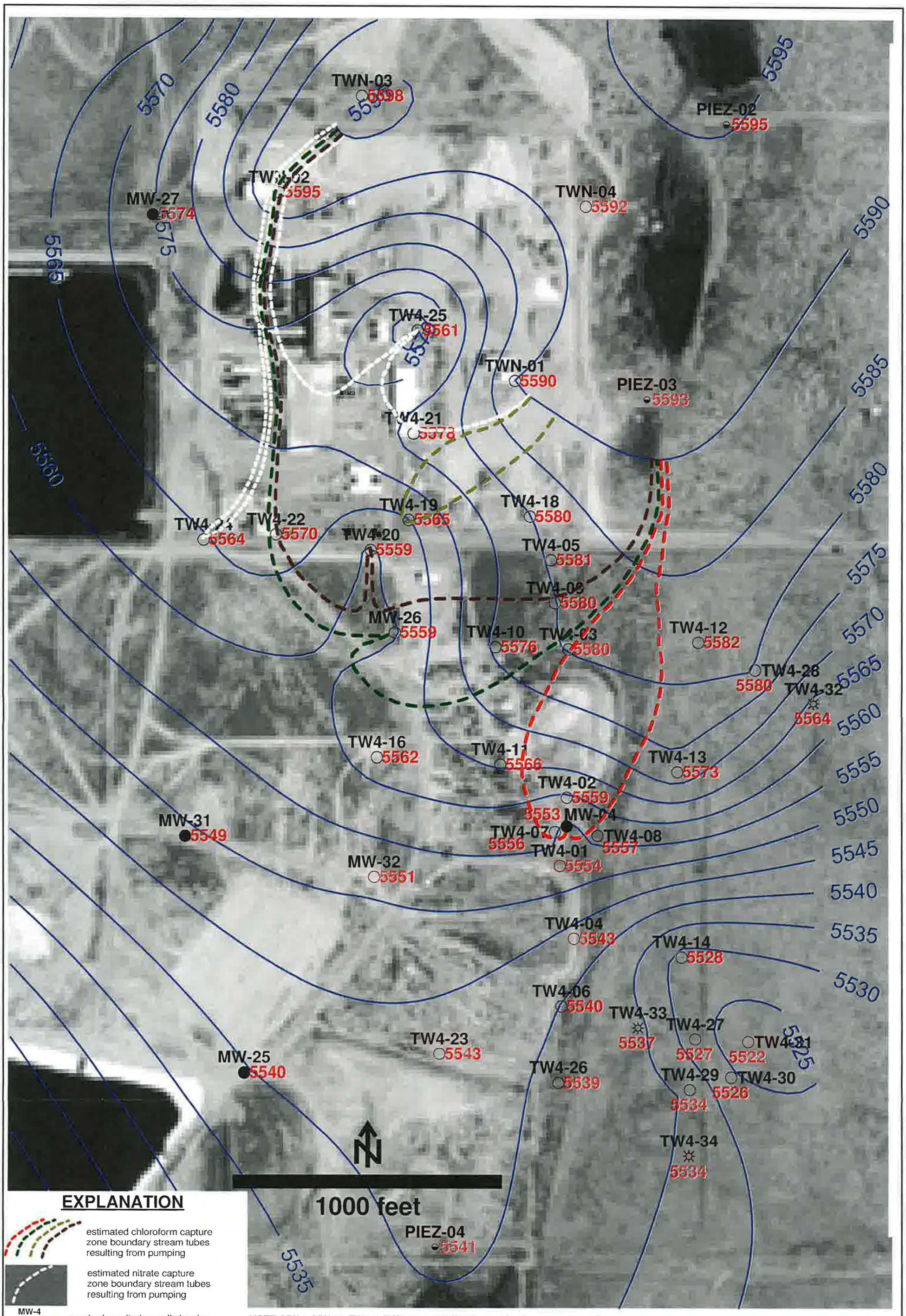
- estimated chloroform capture zone boundary stream tubes resulting from pumping
- estimated nitrate capture zone boundary stream tubes resulting from pumping
- estimated dry area
- **MW-5** ● 5503 — perched monitoring well showing elevation in feet amsl
- **TW4-12** ○ 5582 — temporary perched monitoring well showing elevation in feet amsl
- **TWN-7** ◇ 5562 — temporary perched nitrate monitoring well showing elevation in feet amsl
- **PIEZ-1** ⊖ 5592 — perched piezometer showing elevation in feet amsl
- **TW4-32** ☼ 5564 — temporary perched monitoring well installed September, 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 4th QUARTER, 2013 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/feb14/Uwl1213cz2.srf	D-2



EXPLANATION

- estimated chloroform capture zone boundary stream tubes resulting from pumping
- estimated nitrate capture zone boundary stream tubes resulting from 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 ◒ 5595 — 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

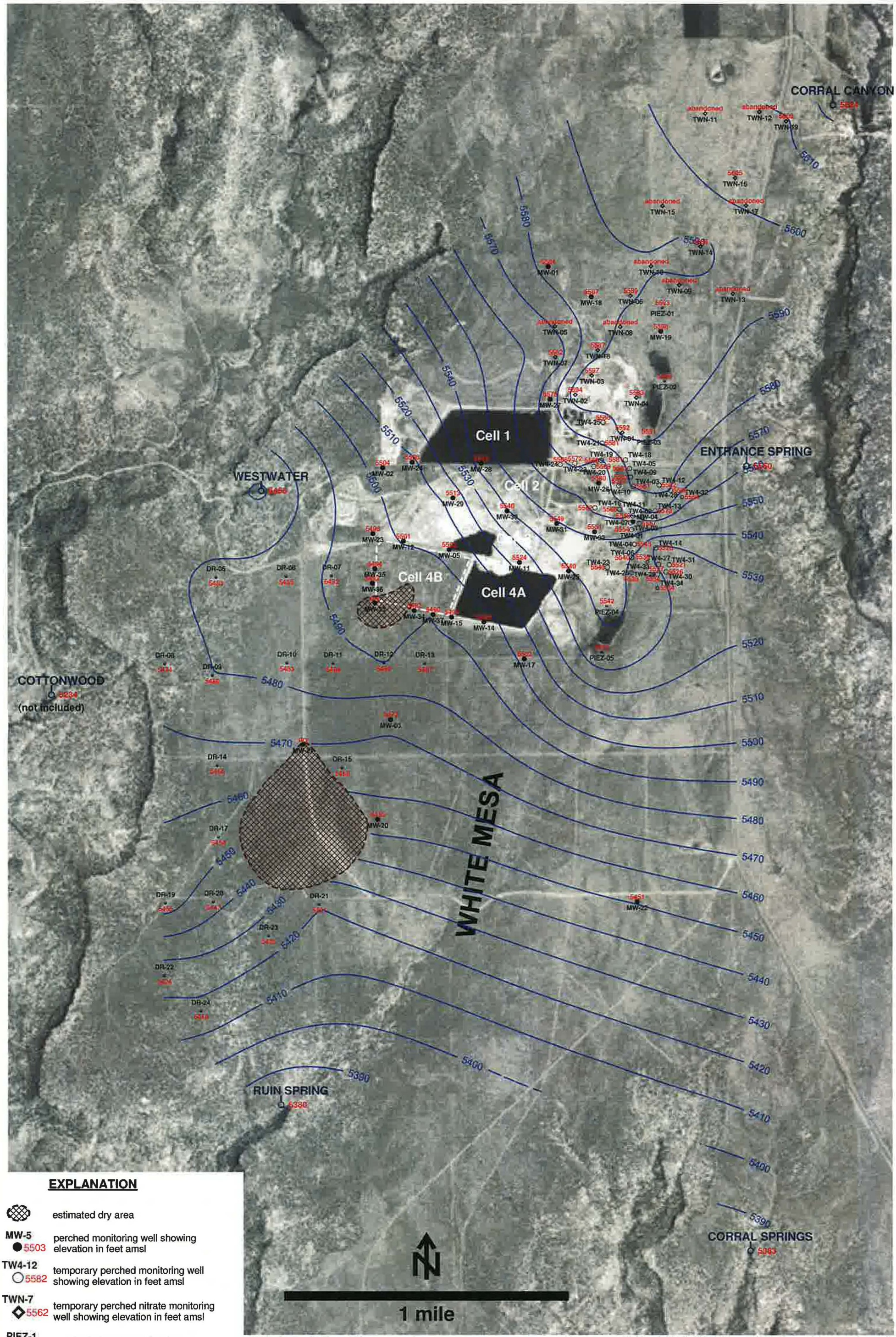
HYDRO GEO CHEM, INC.

KRIGED 4th QUARTER, 2013 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE (detail map)

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/feb14/U1213cz.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-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

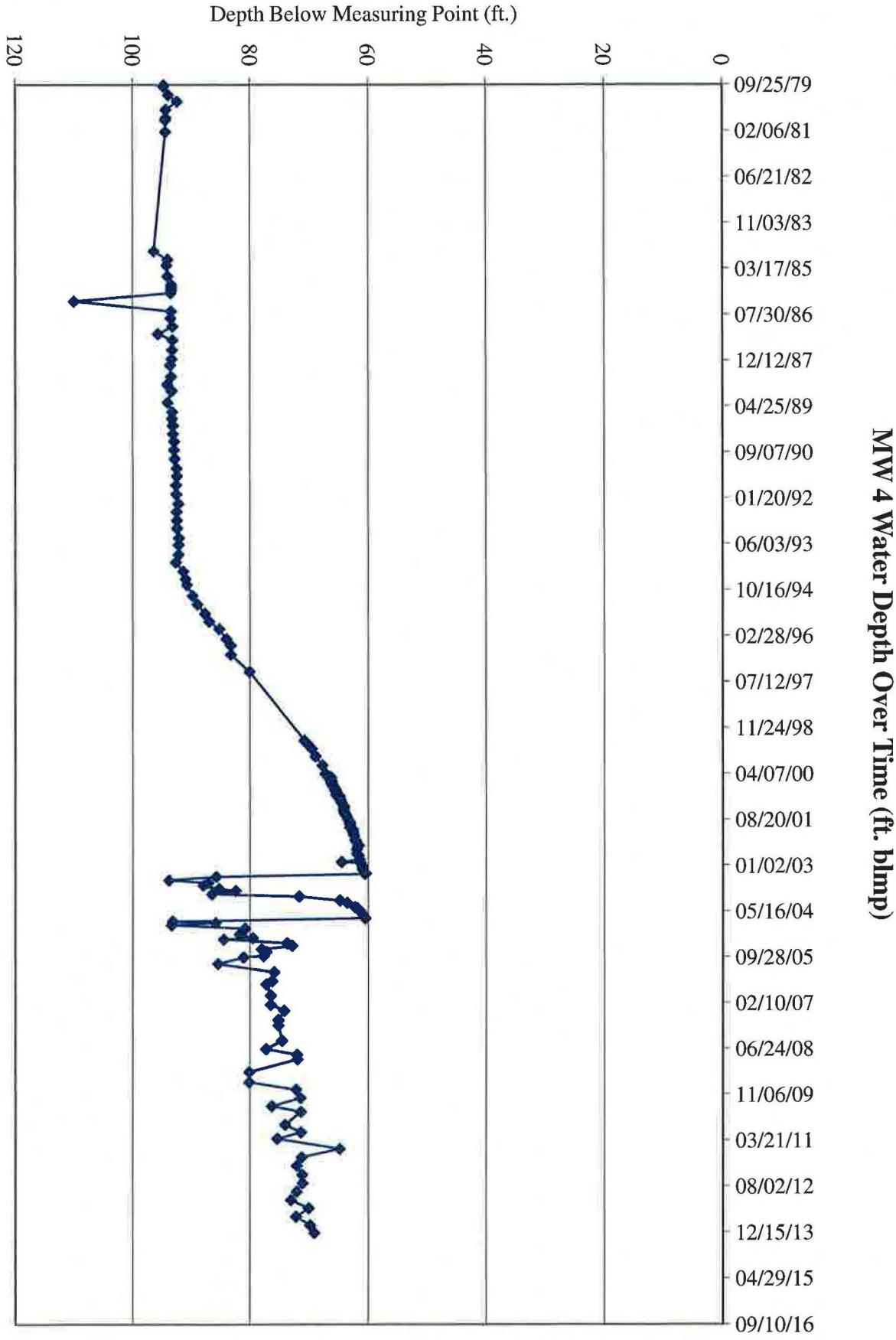
HYDRO GEO CHEM, INC.

KRIGED 3rd QUARTER, 2013 WATER LEVELS WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov13/Uwl0913.srf	E-1

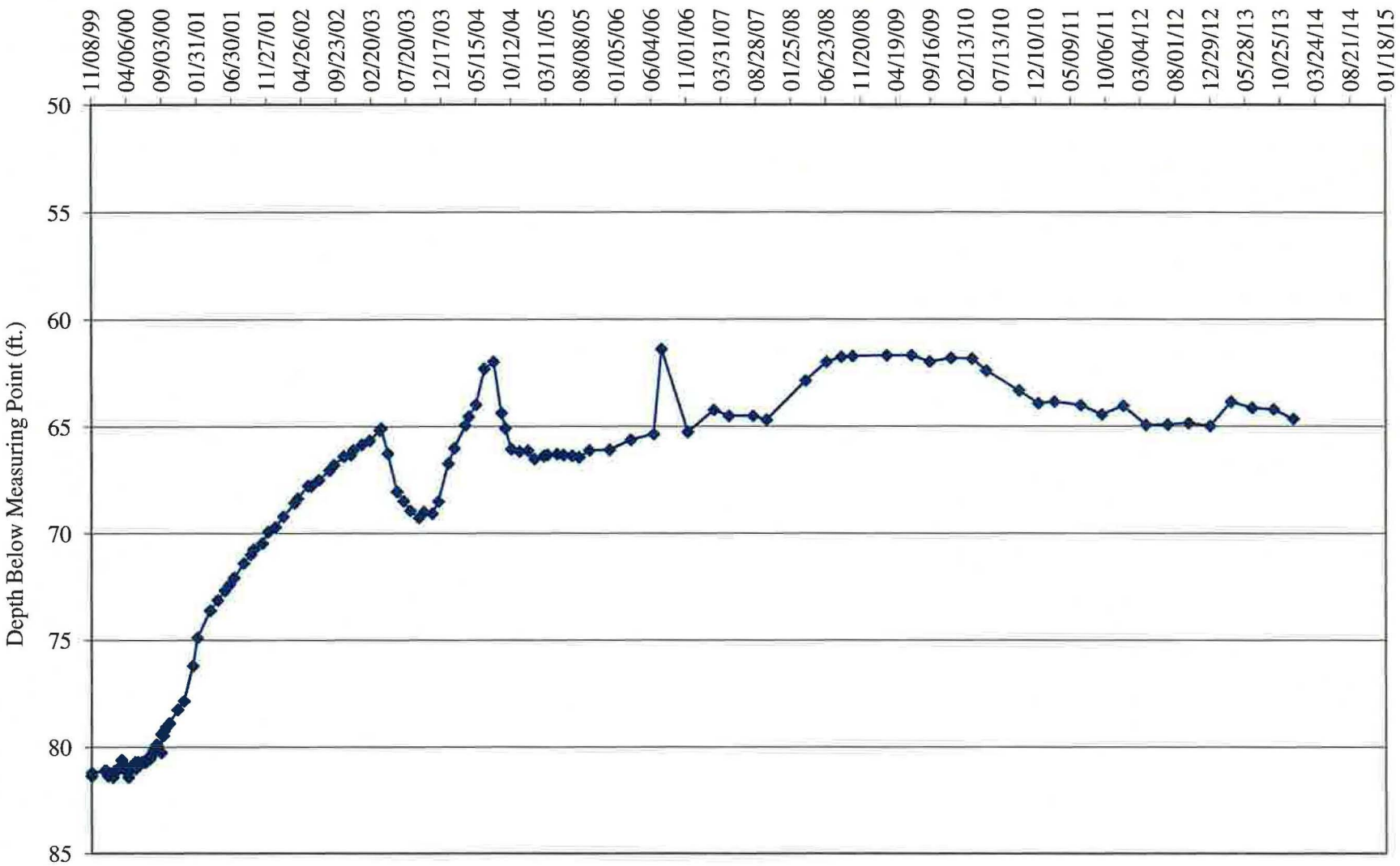
Tab F

Hydrographs of Groundwater Elevations Over Time for Chloroform Monitoring Wells

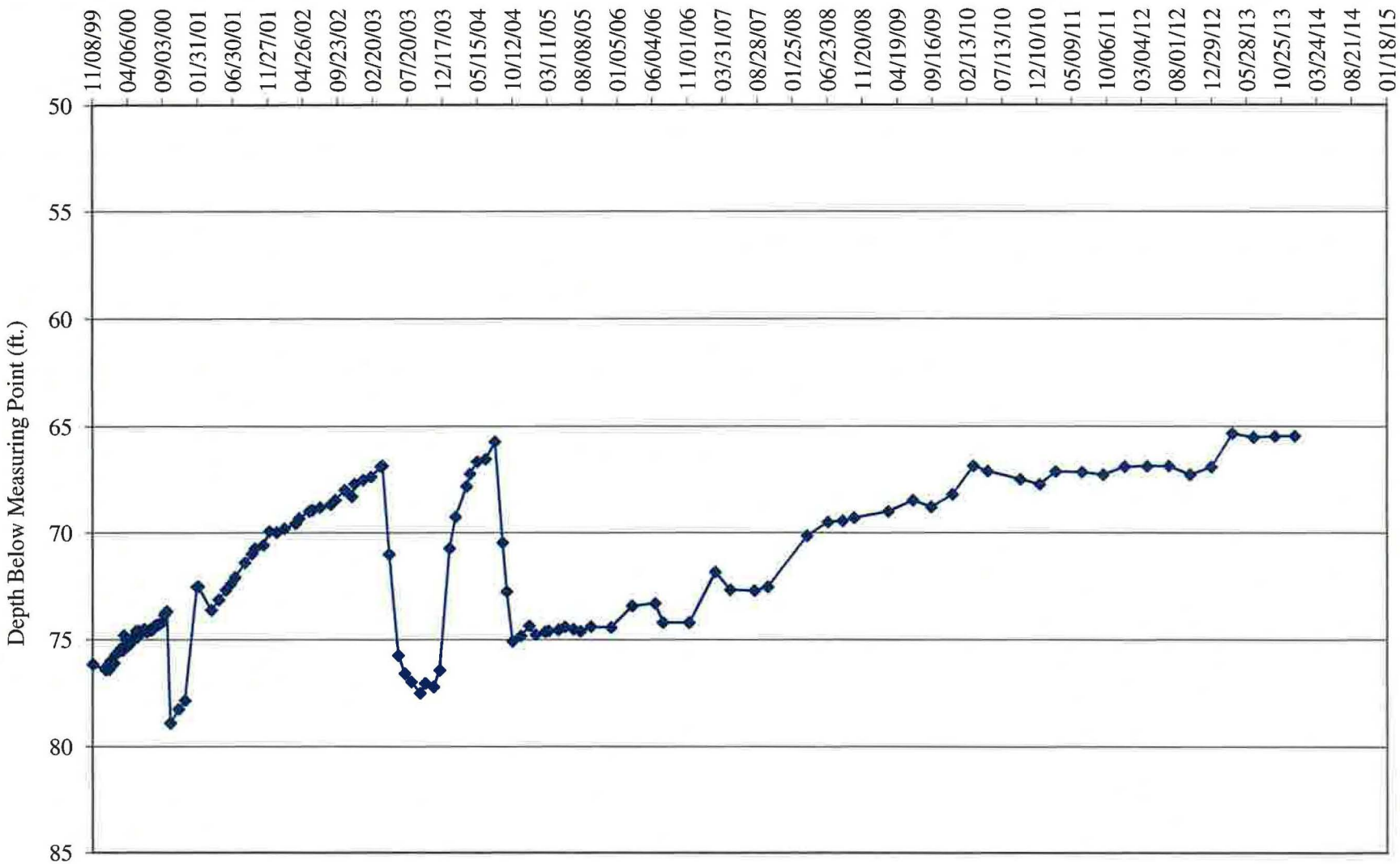


MW 4 Water Depth Over Time (ft. blmp)

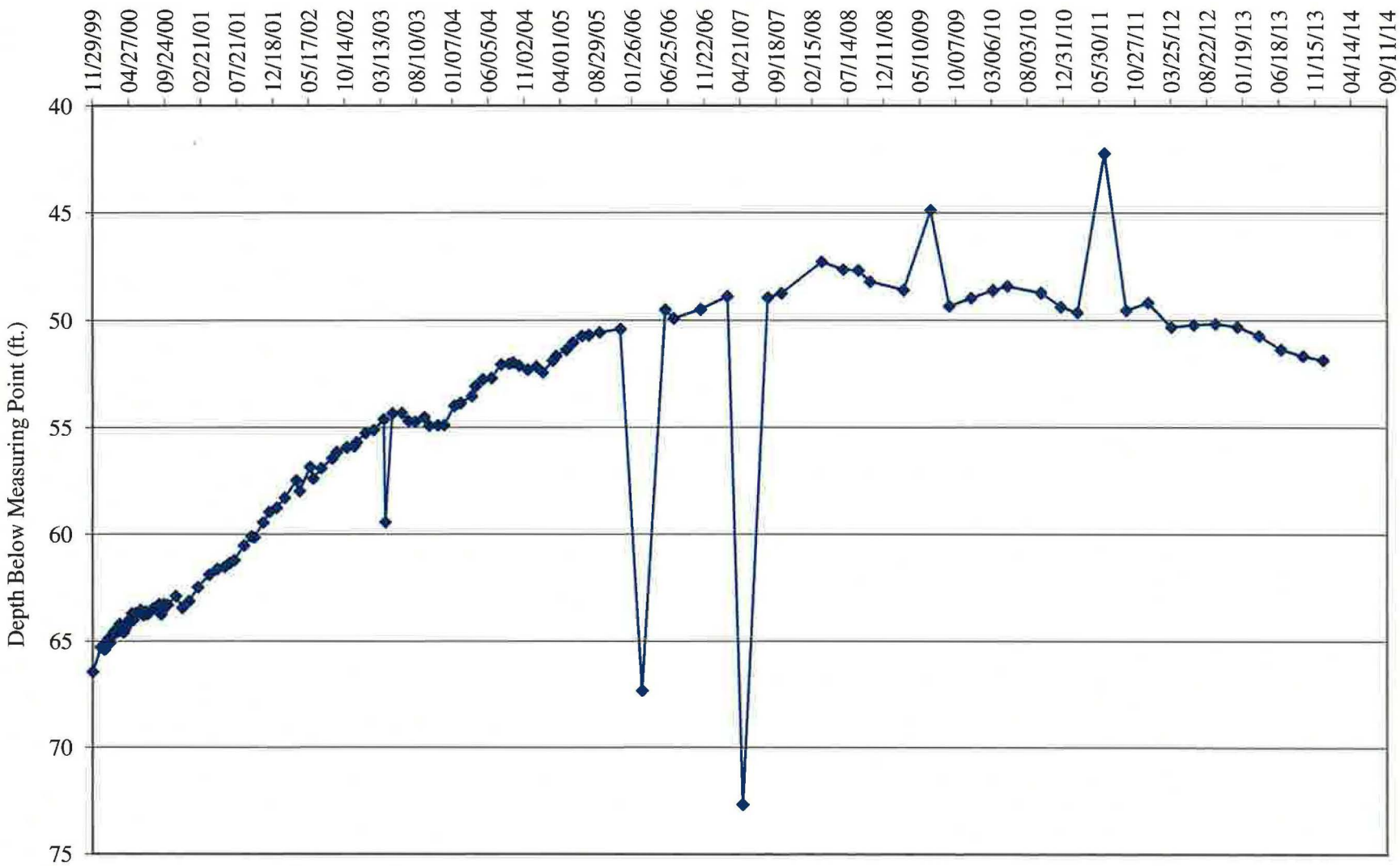
TW4-1 Water Depth Over Time (ft. blmp)



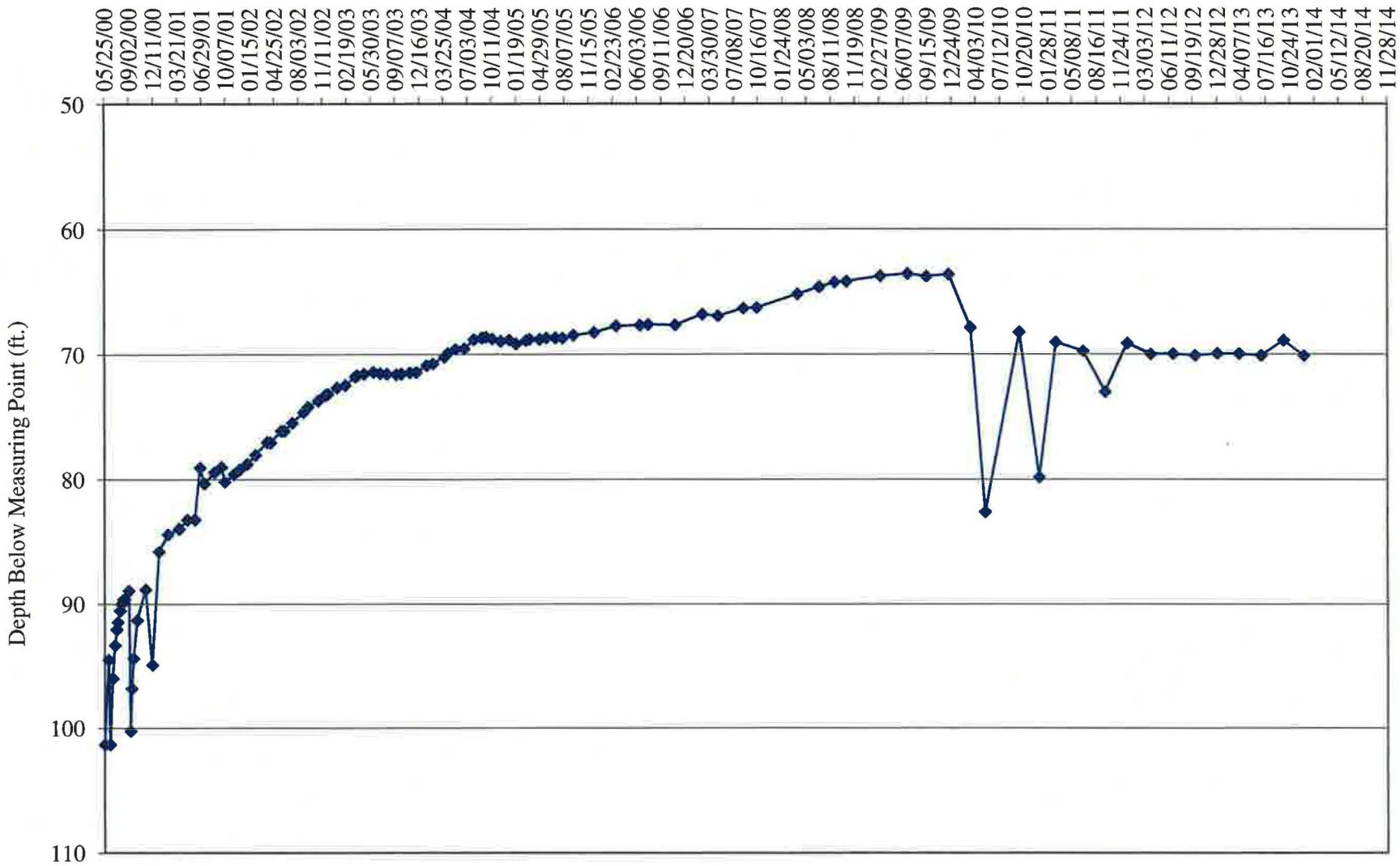
TW4-2 Water Depth Over Time (ft. blmp)



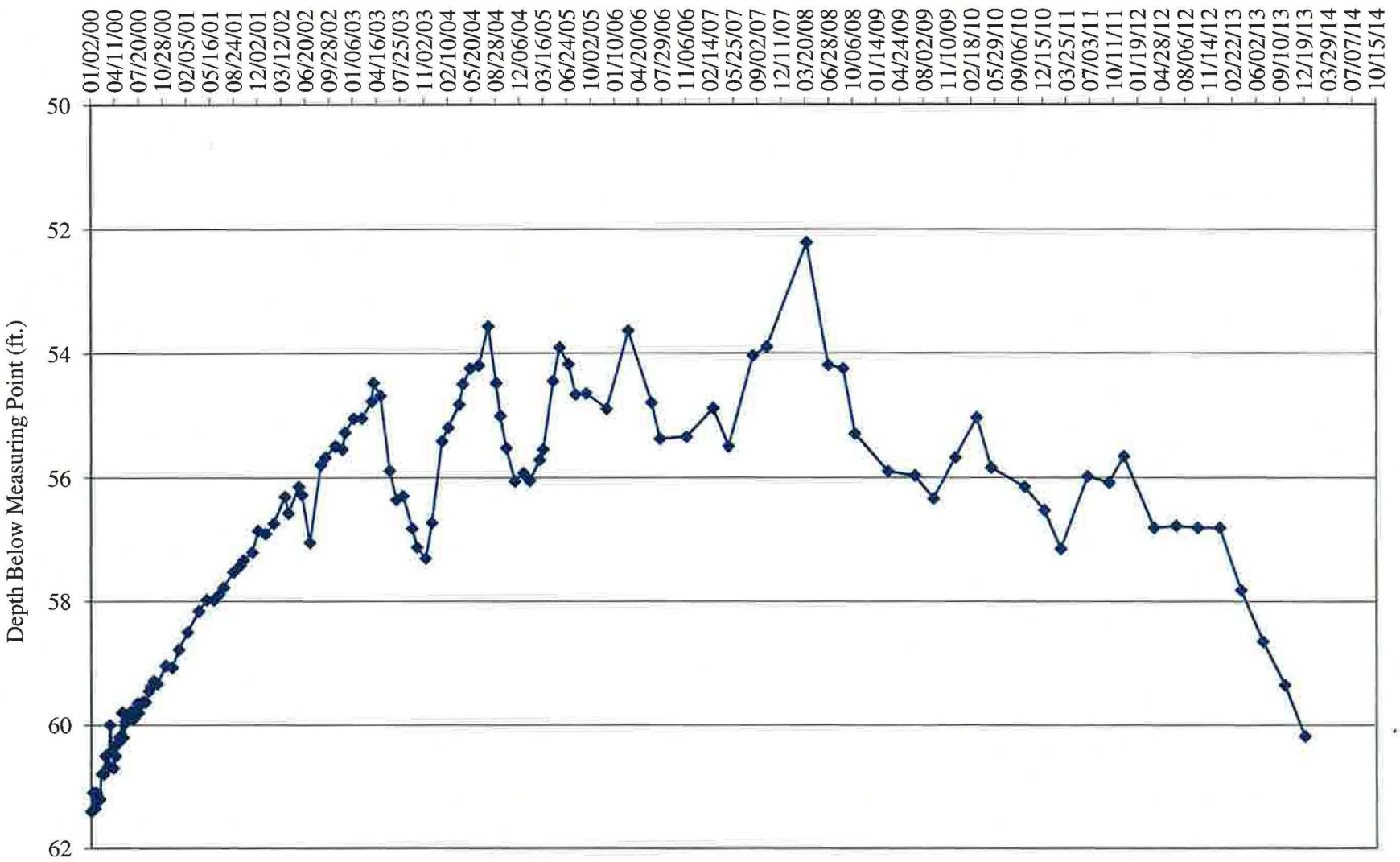
TW4-3 Water Depth Over Time (ft. blmp)



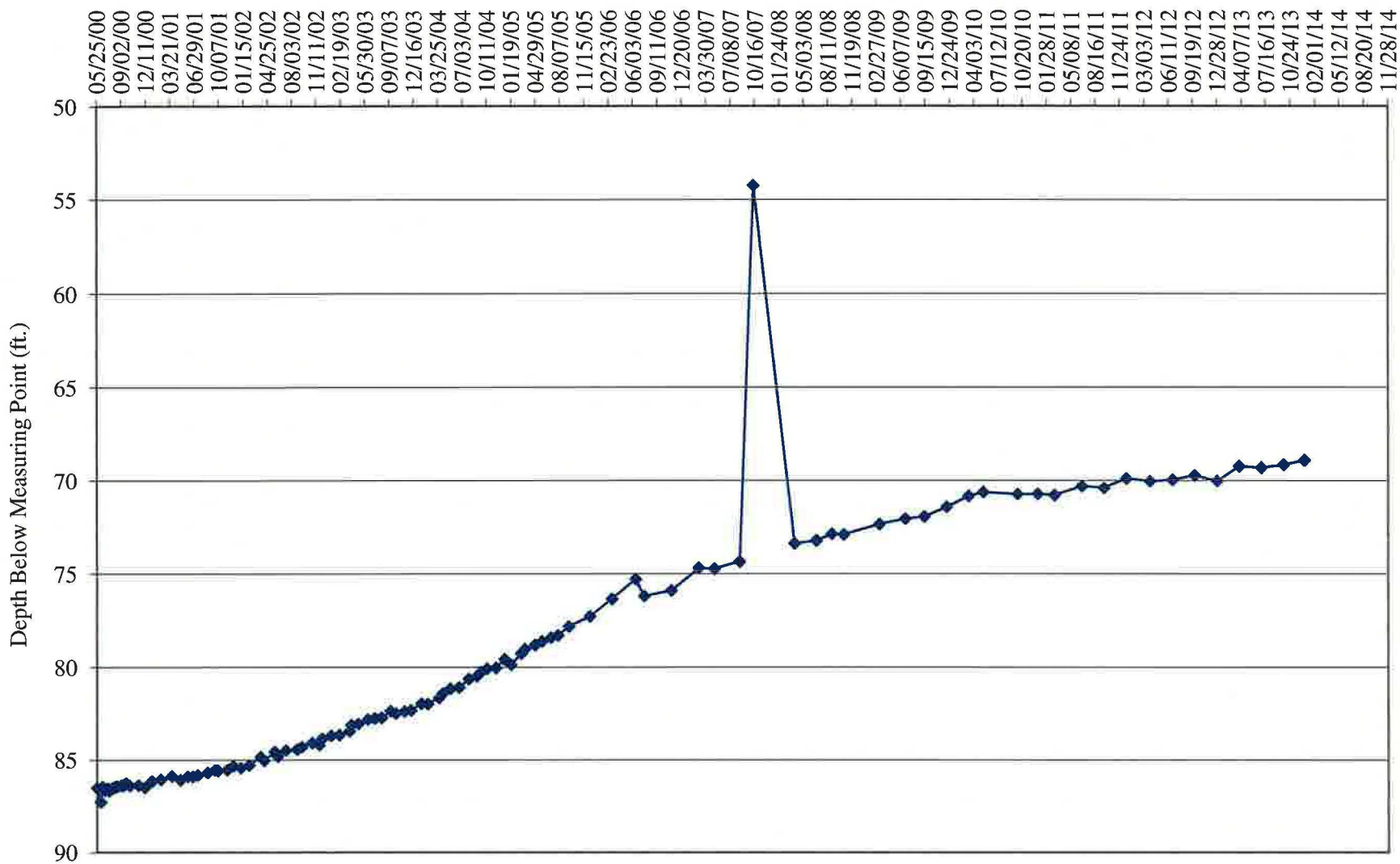
TW4-4 Water Depth Over Time (ft. blmp)



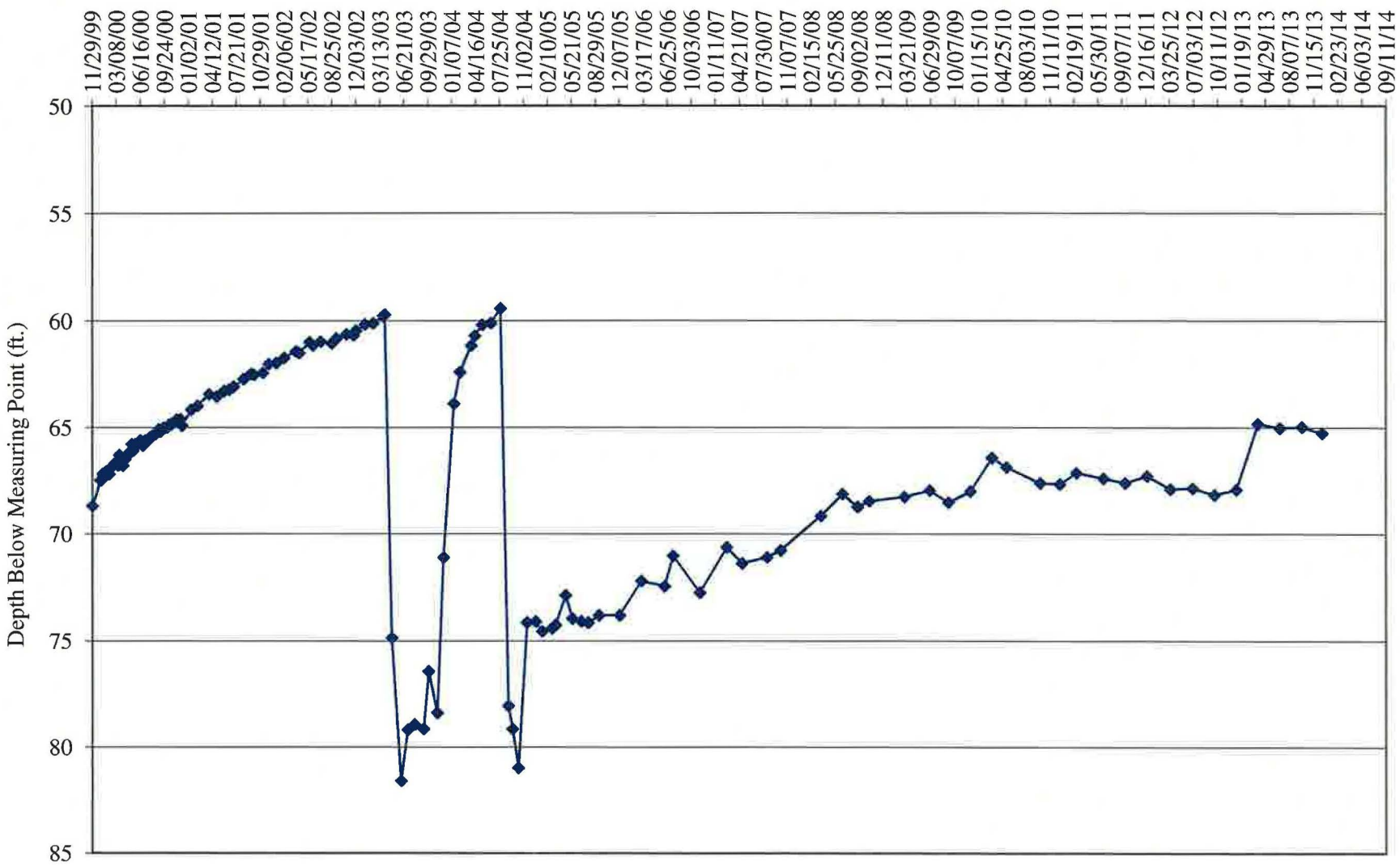
TW4-5 Water Depth Over Time (ft. blmp)



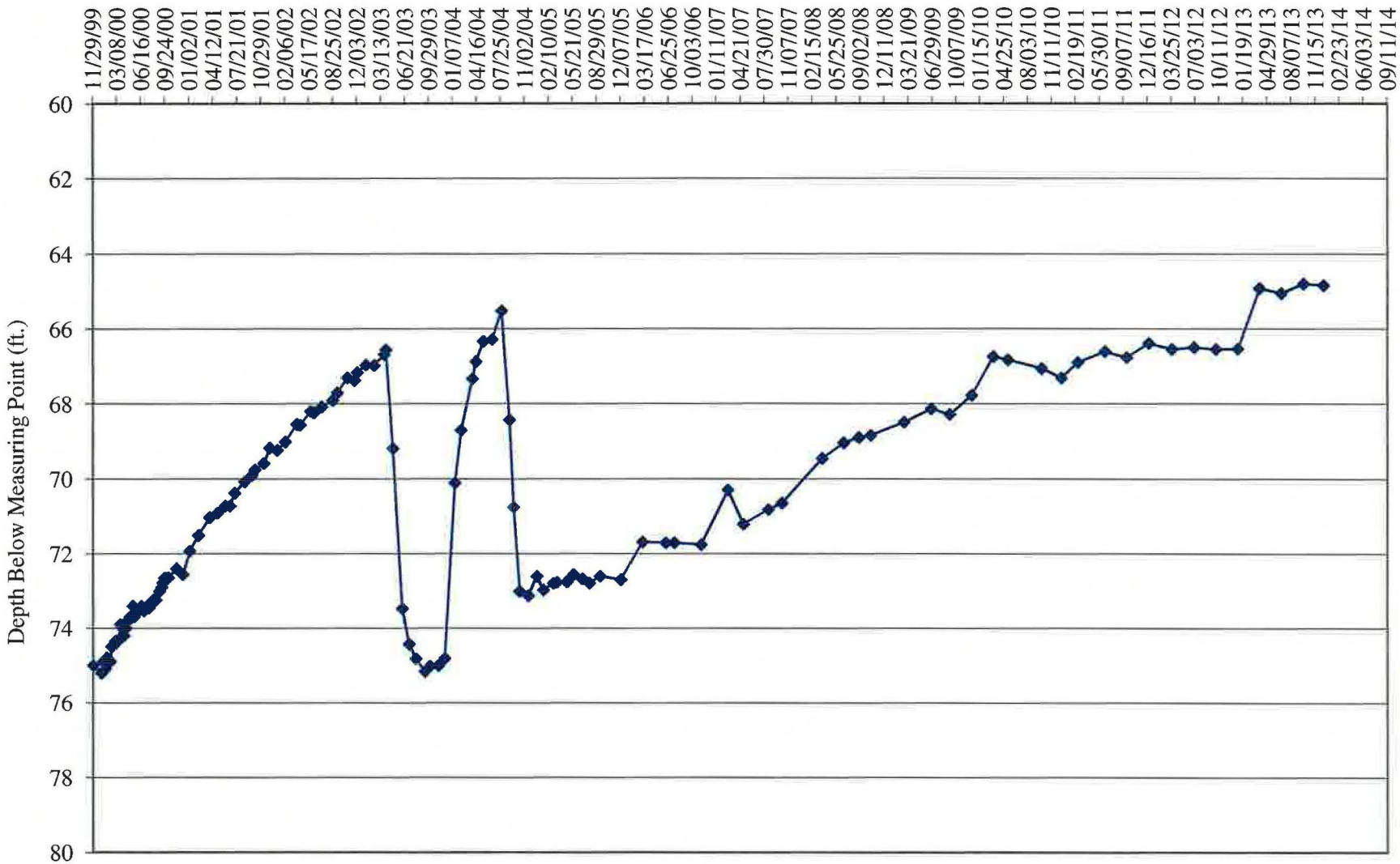
TW4-6 Water Depth Over Time (ft. blmp)



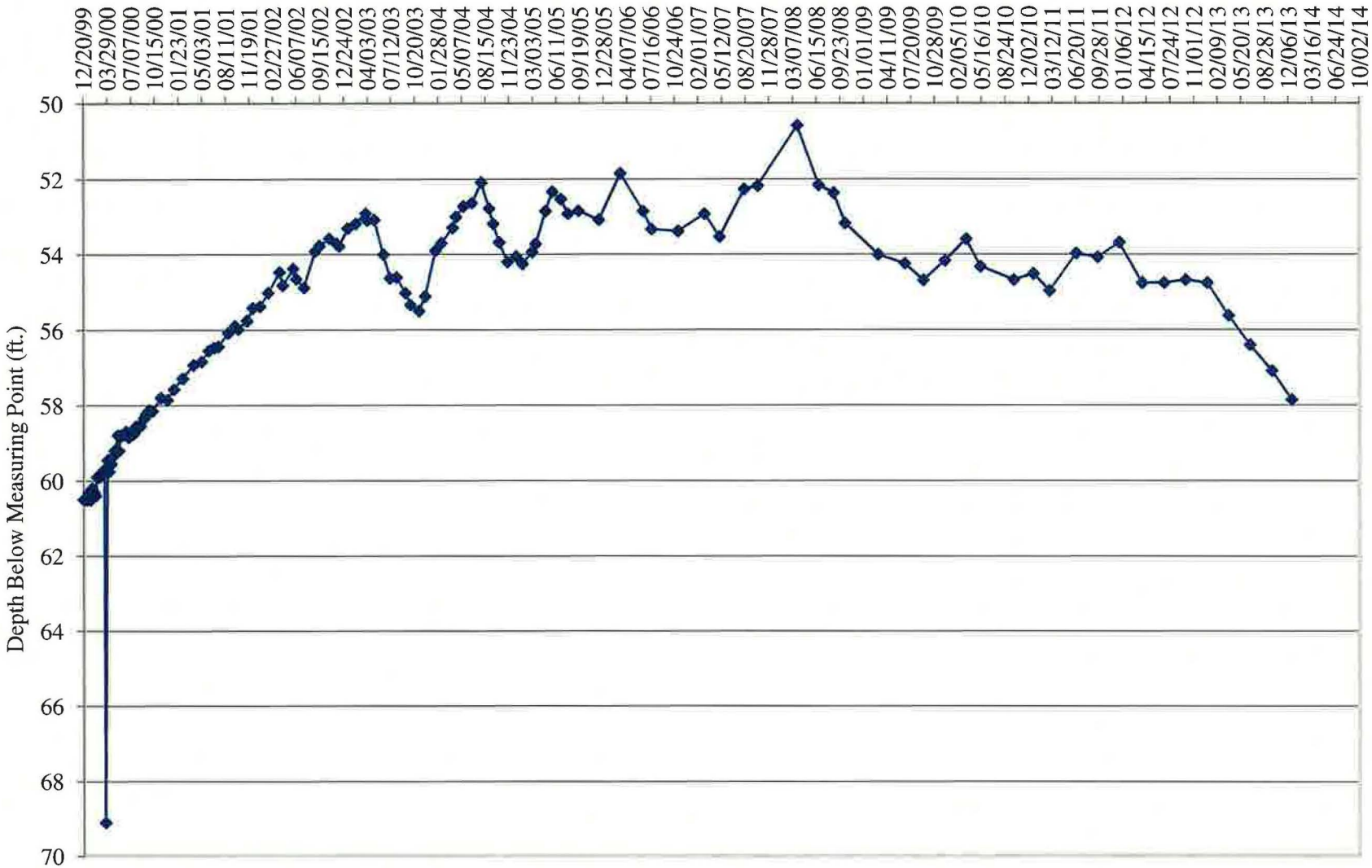
TW4-7 Water Depth Over Time (ft. blmp)



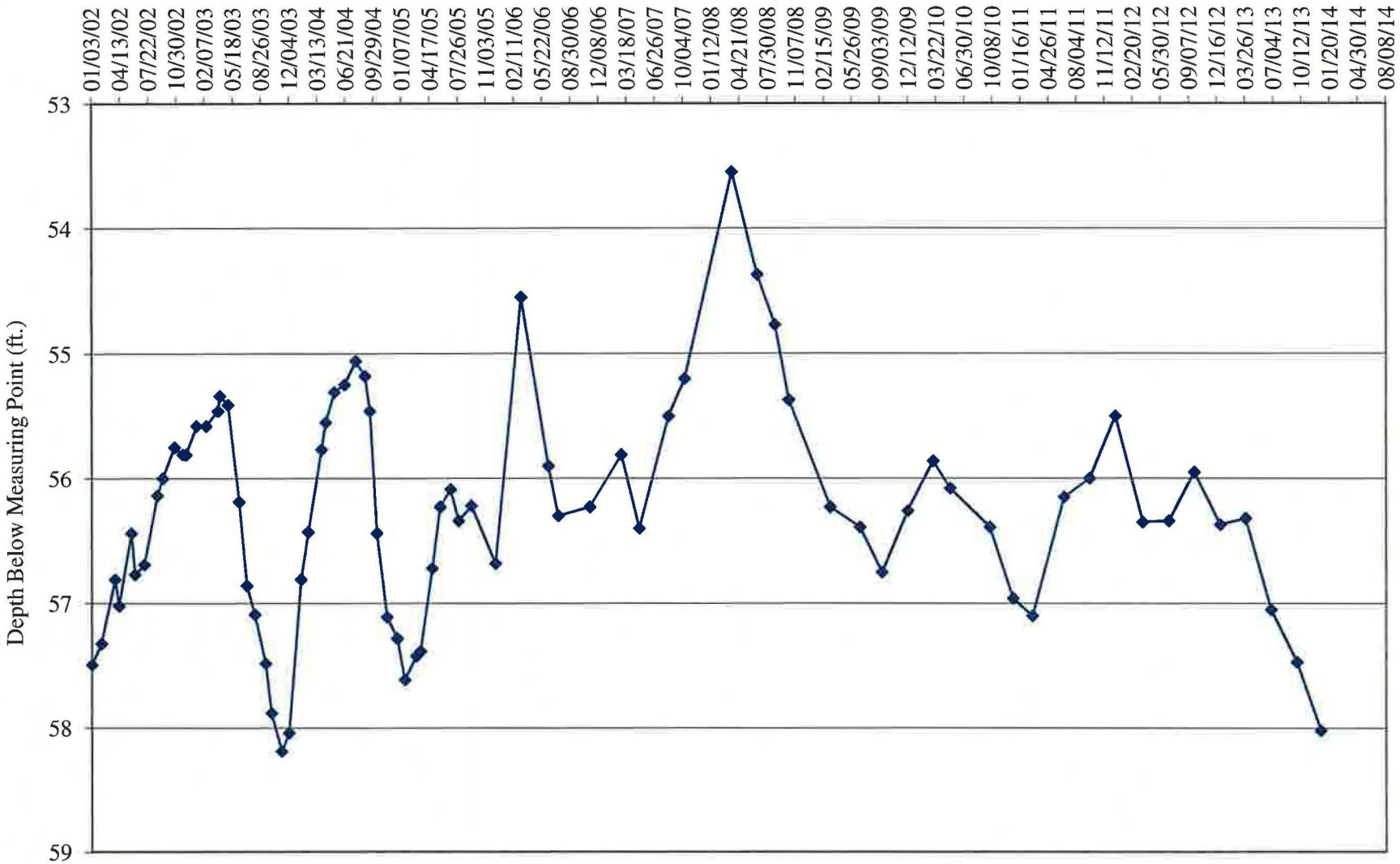
TW4-8 Water Depth Over Time (ft. blmp)



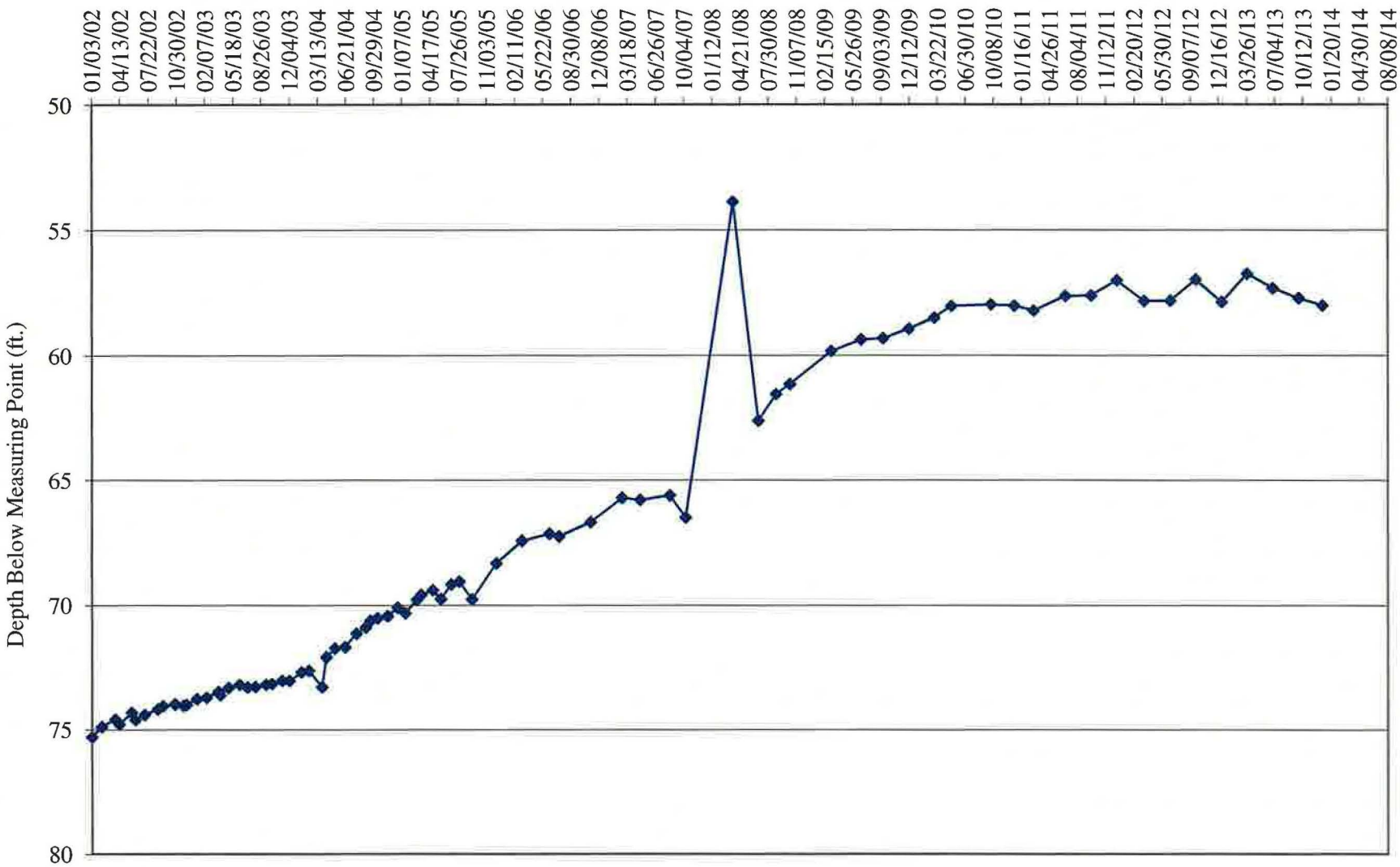
TW4-9 Water Depth Over Time (ft. blmp)



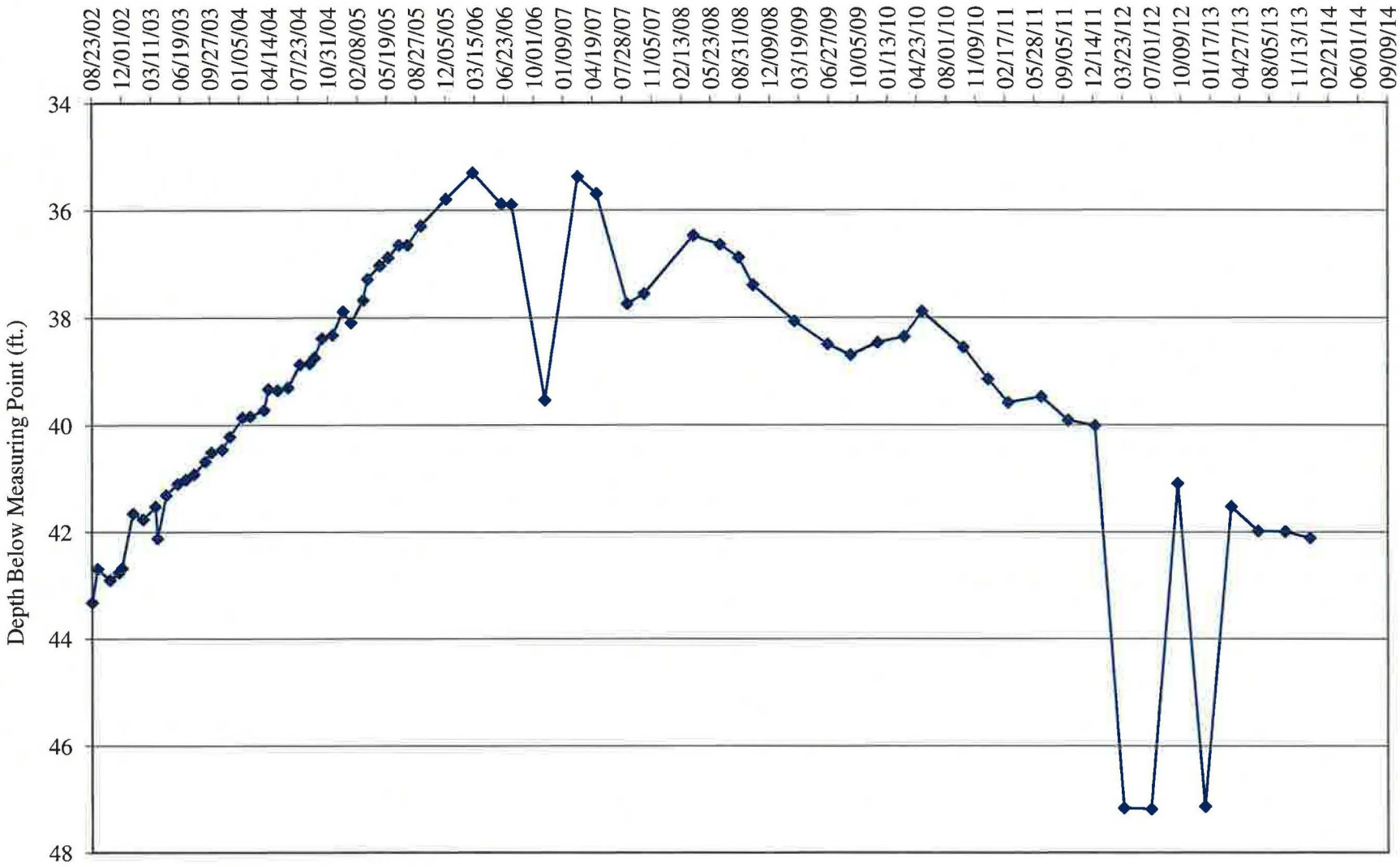
TW4-10 Water Depth Over Time (ft. blmp)



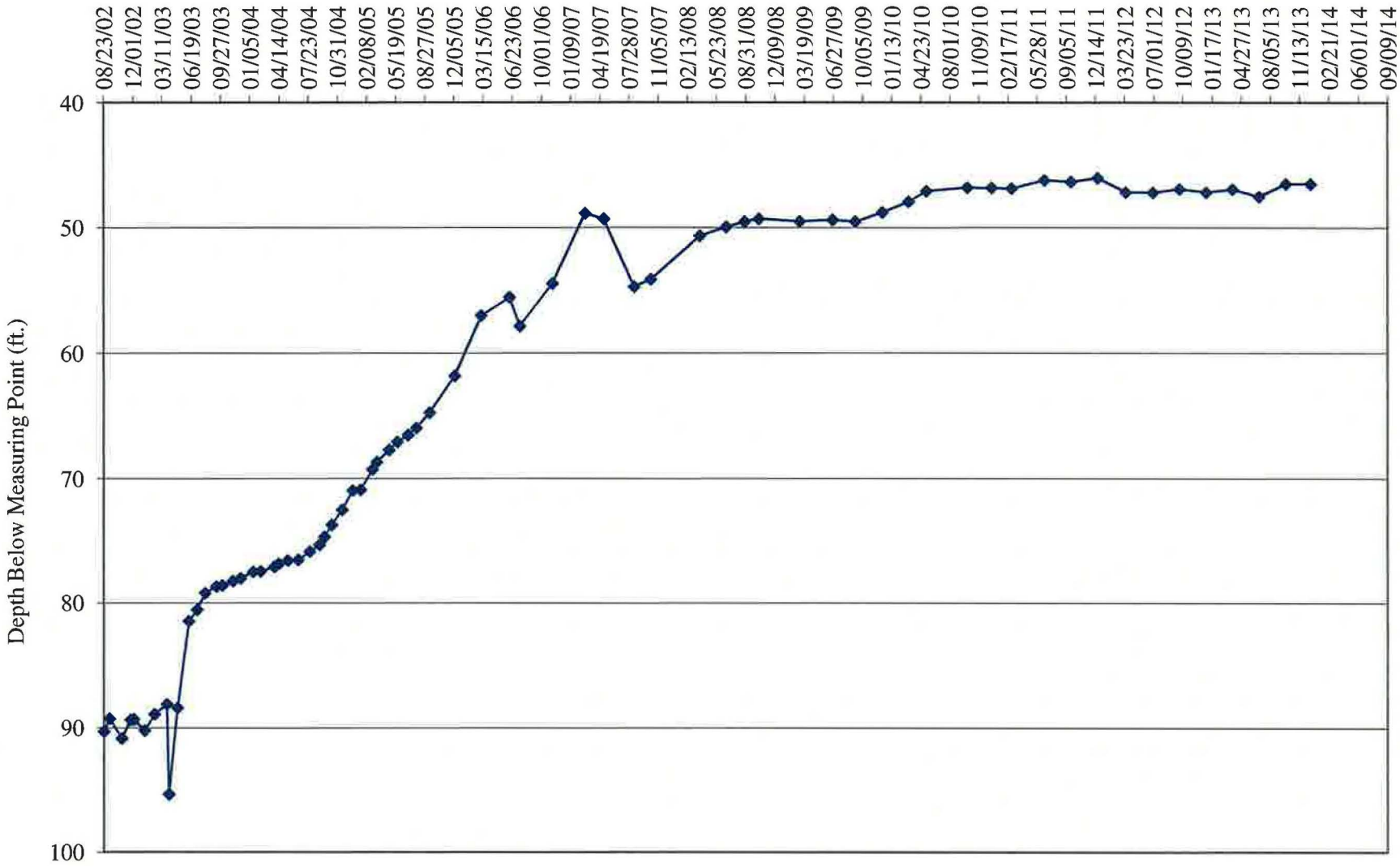
TW4-11 Water Depth Over Time (ft. blmp)



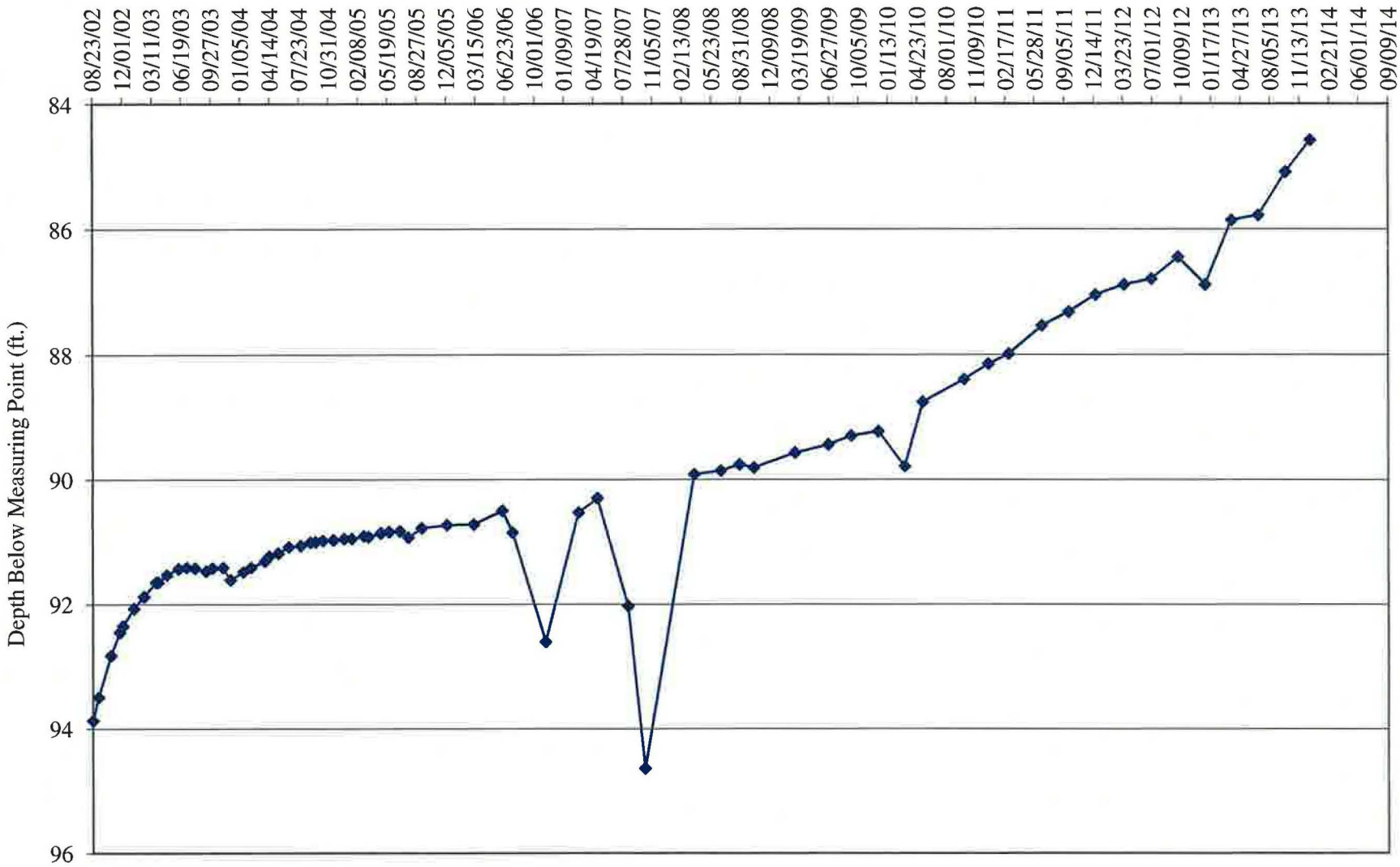
TW4-12 Water Depth Over Time (ft. blmp)



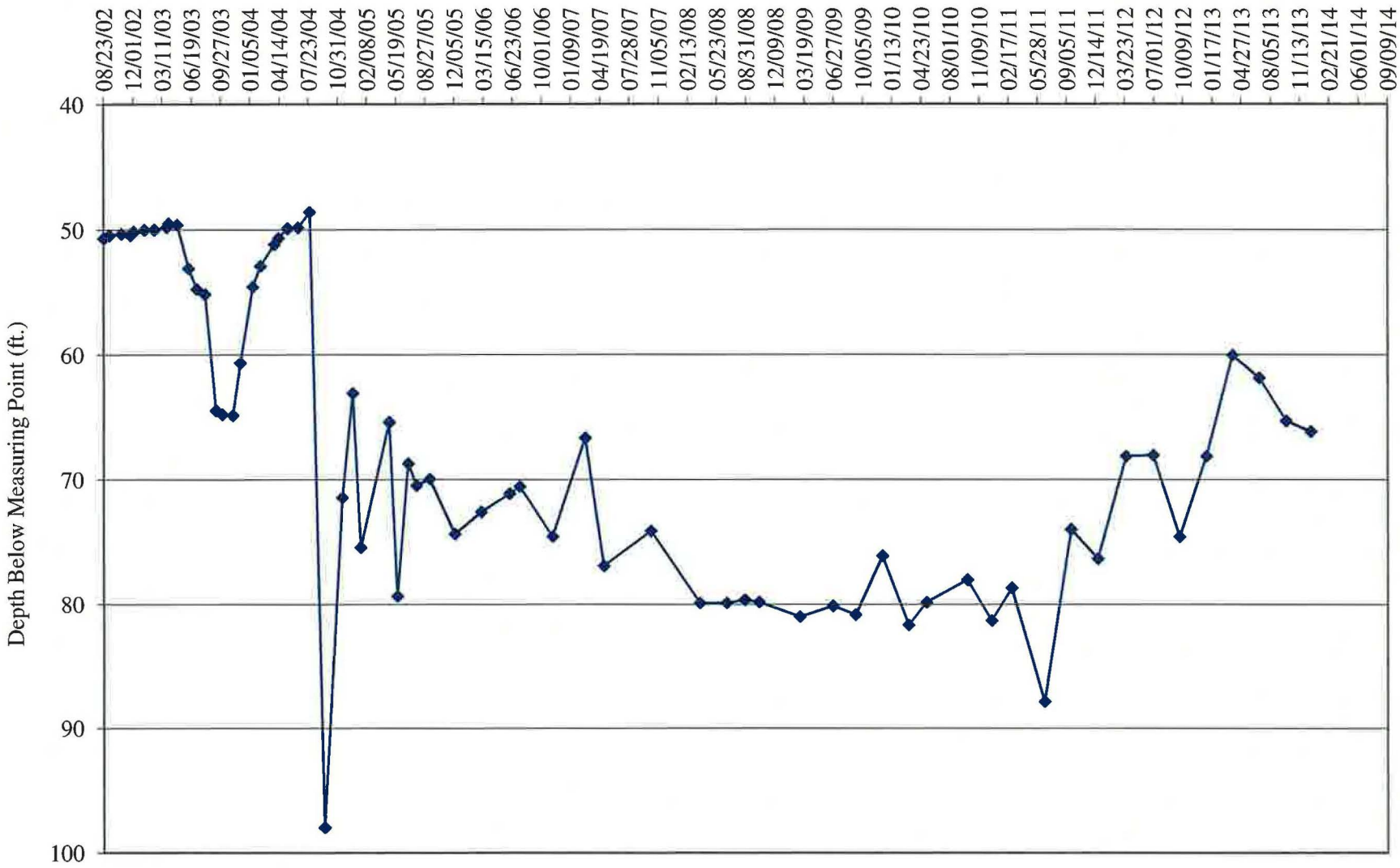
TW4-13 Water Depth Over Time (ft. blmp)



TW4-14 Water Depth Over Time (ft. blmp)

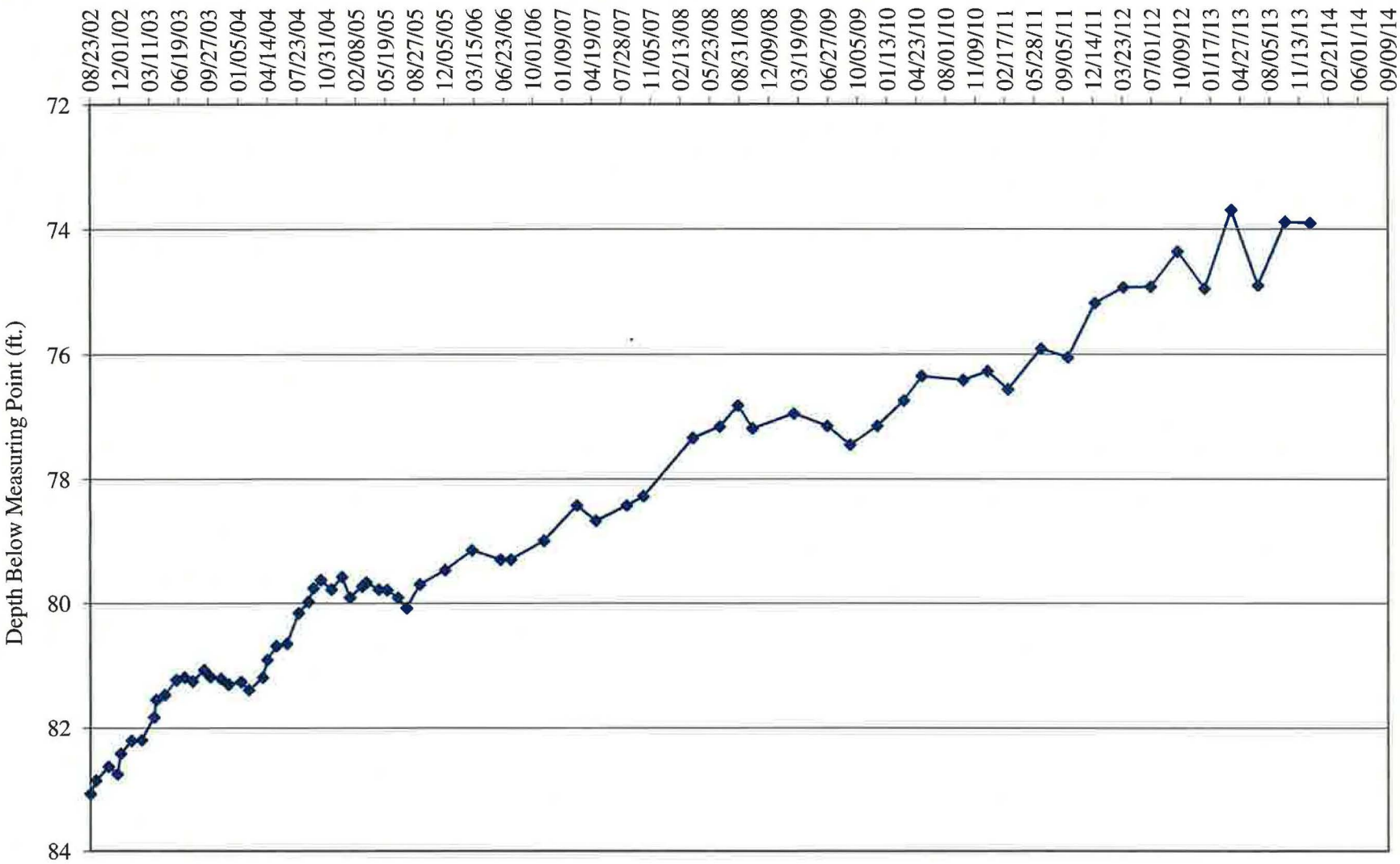


MW-26 Water Depth Over Time (ft. blmp)

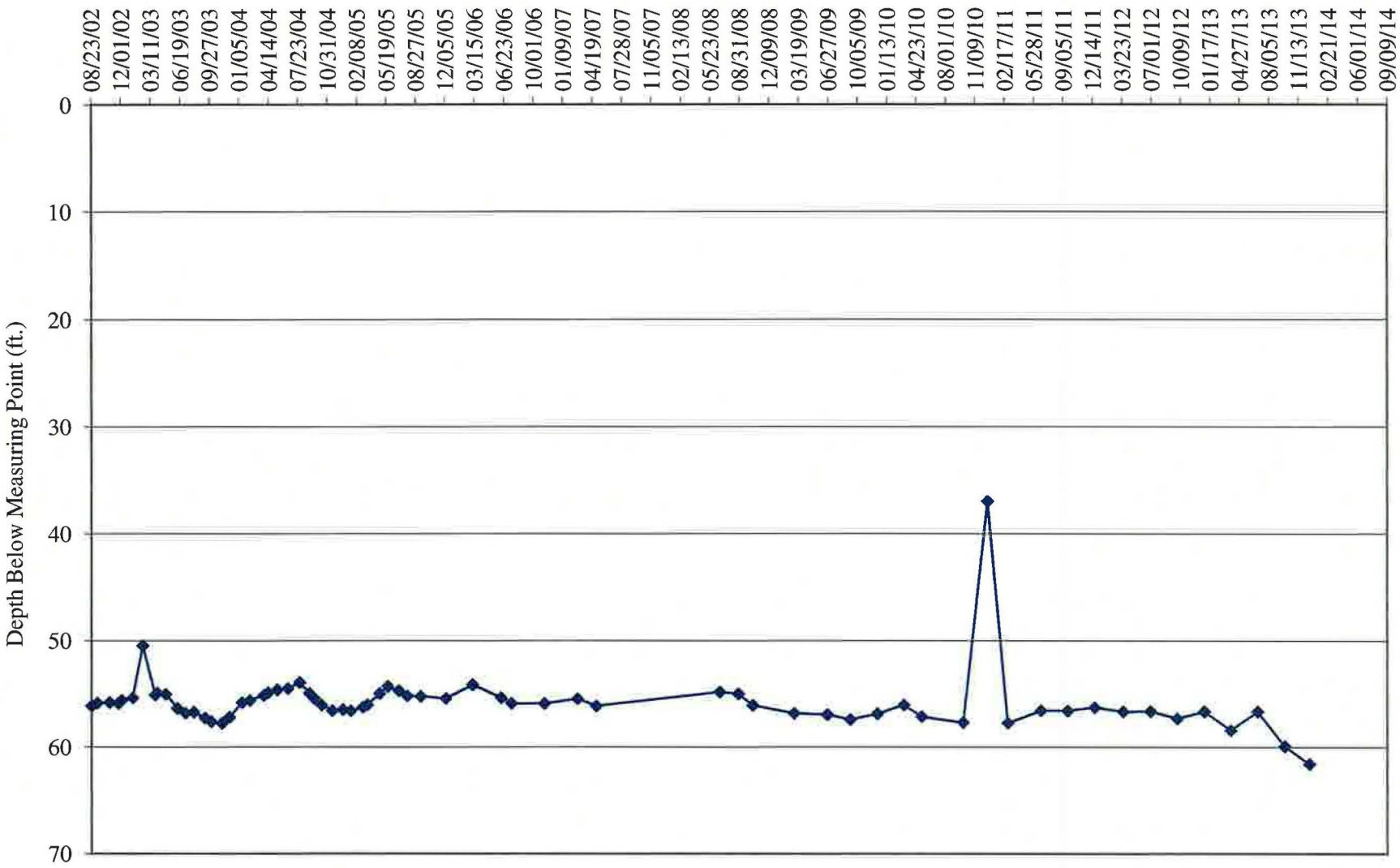


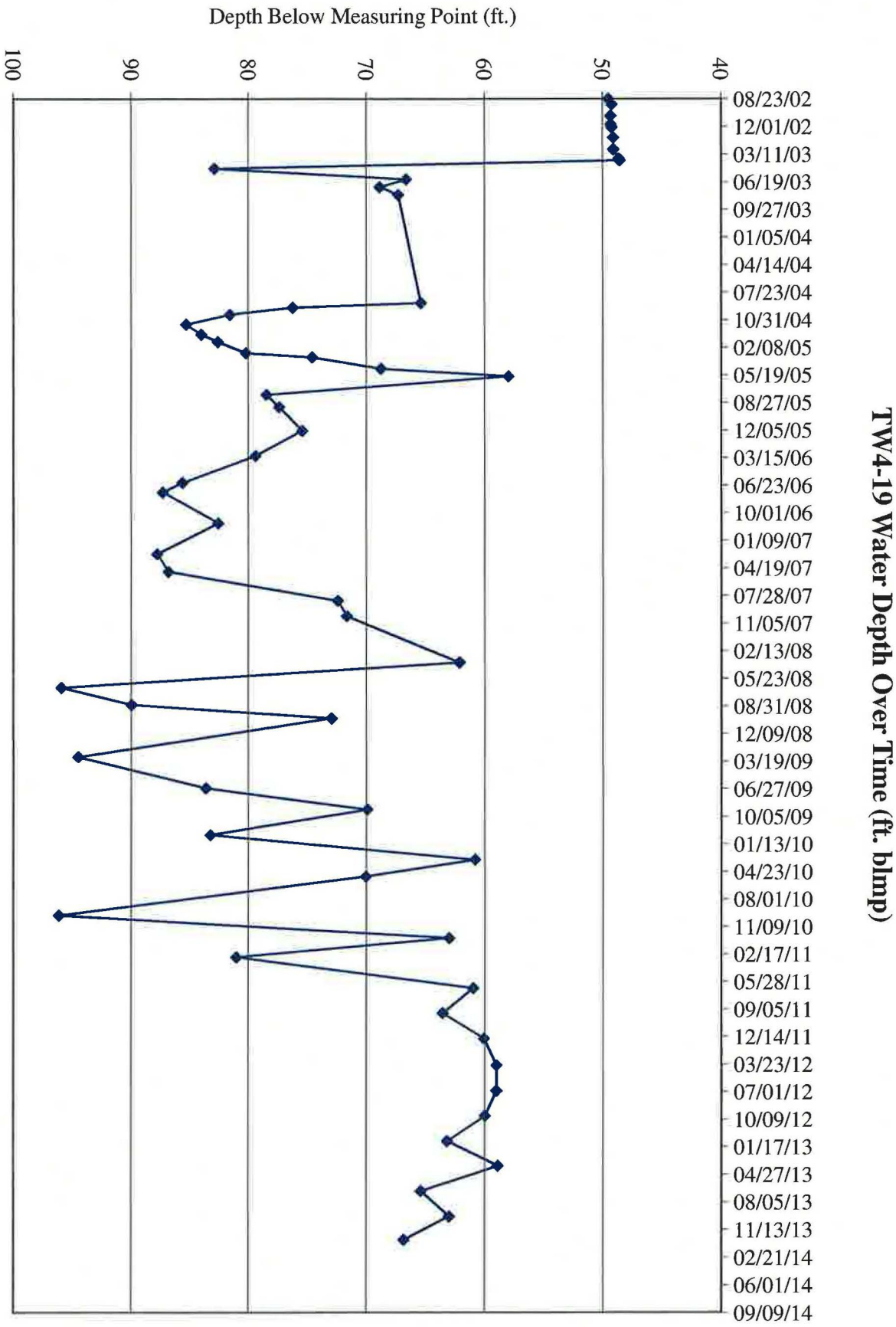
TW4-16 Water Depth Over Time (ft. blmp)

MW-32 Water Depth Over Time (ft. blmp)



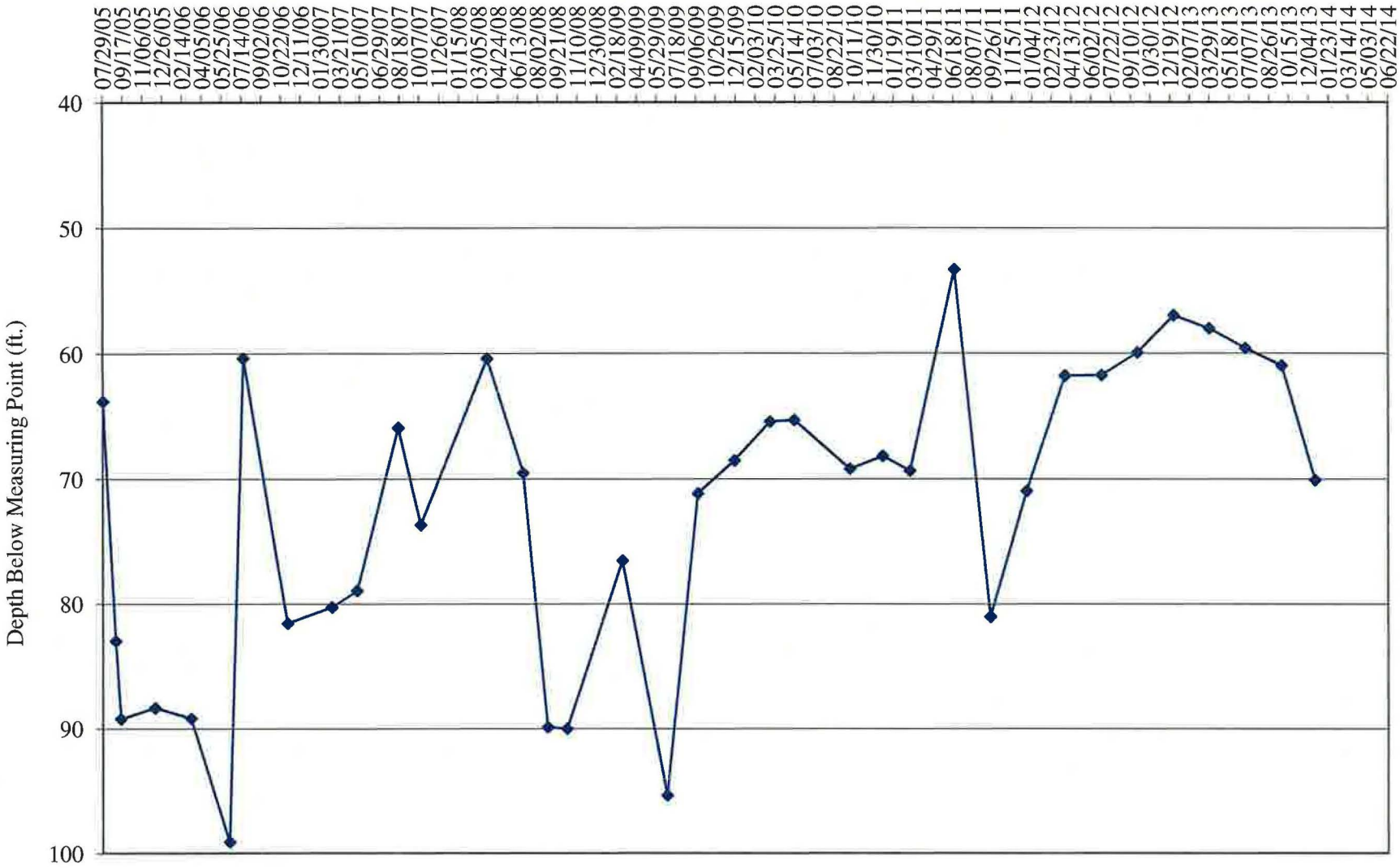
TW4-18 Water Depth Over Time (ft. blmp)



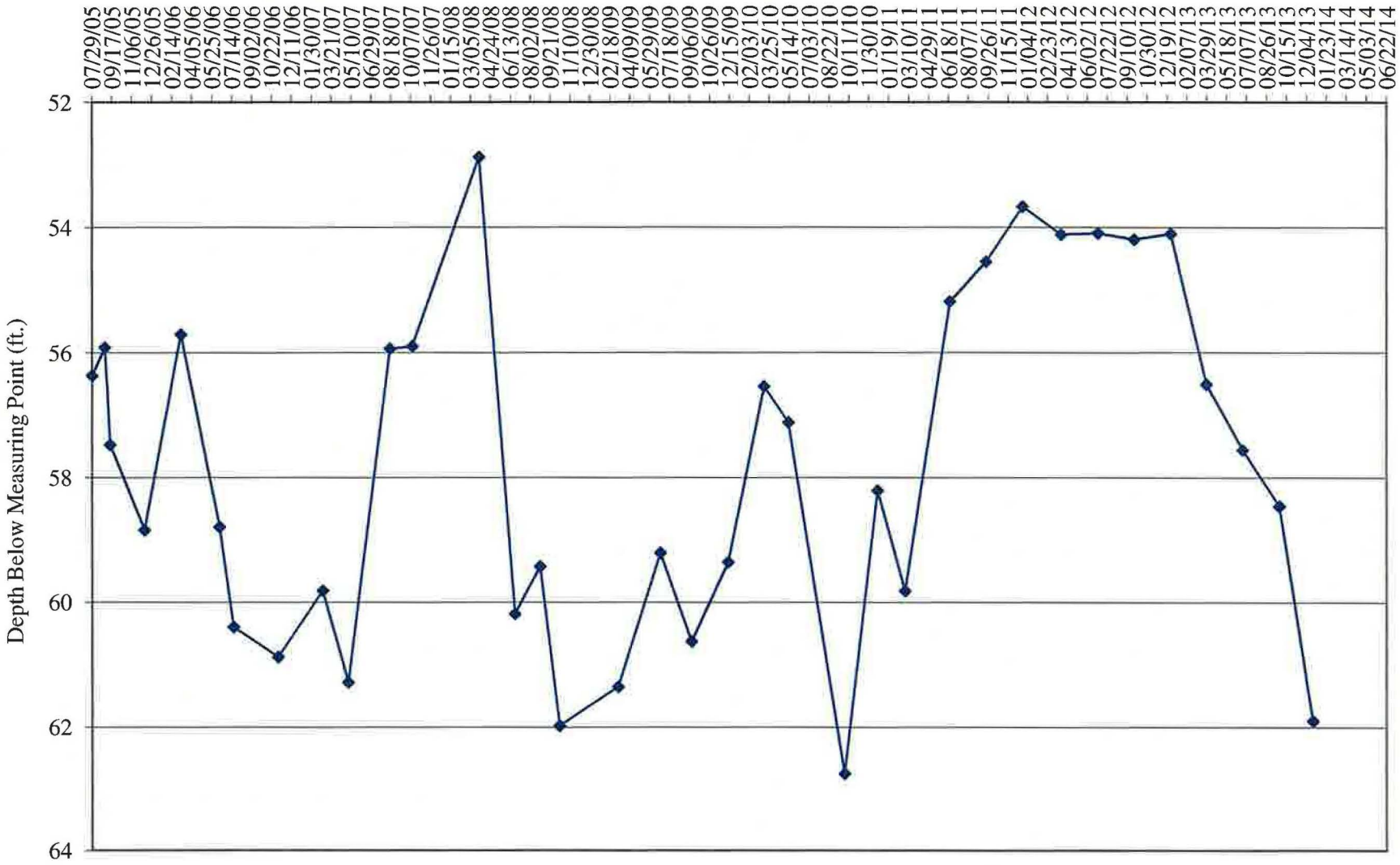


TW4-19 Water Depth Over Time (ft. blmp)

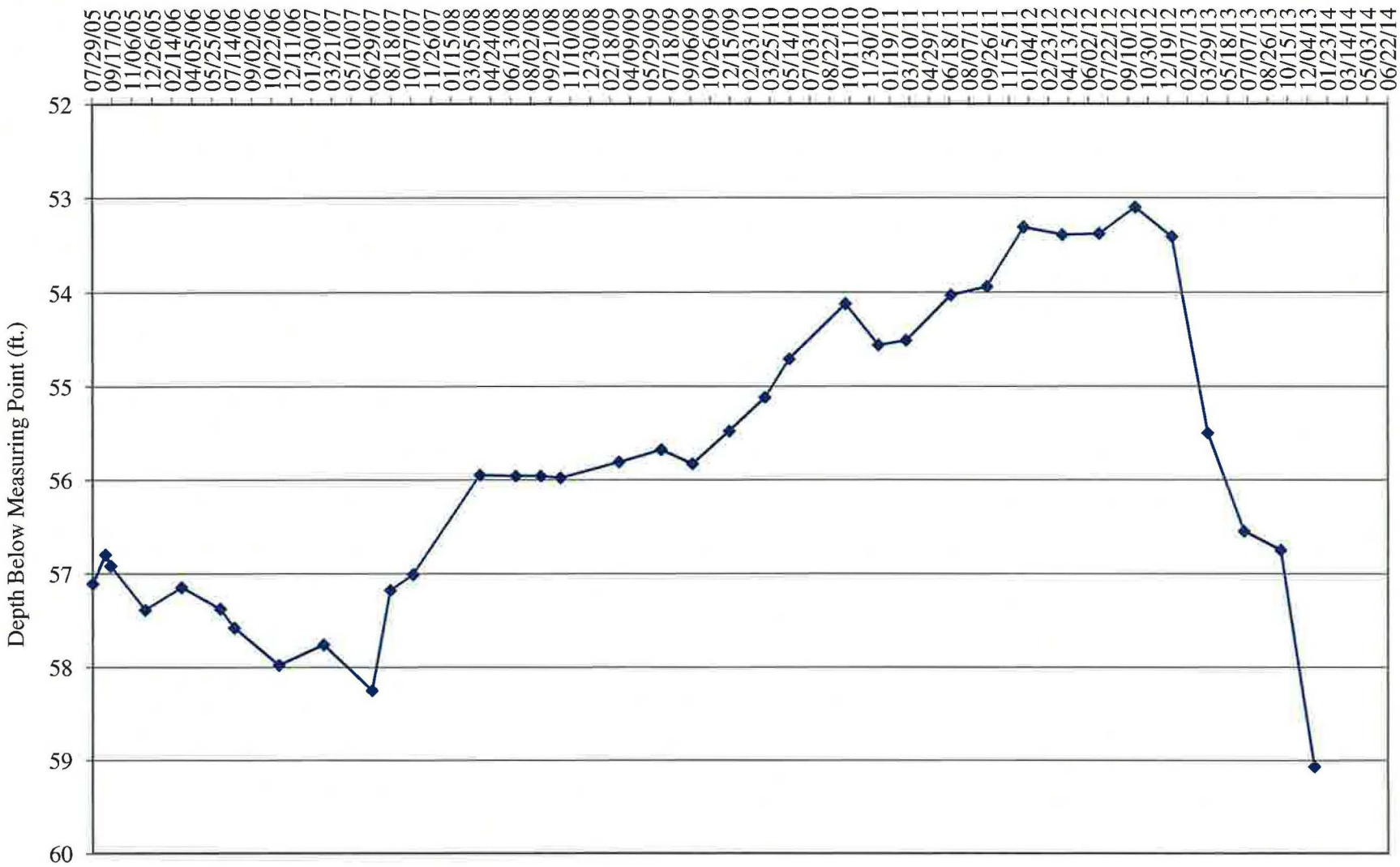
TW4-20 Water Depth Over Time (ft. blmp)



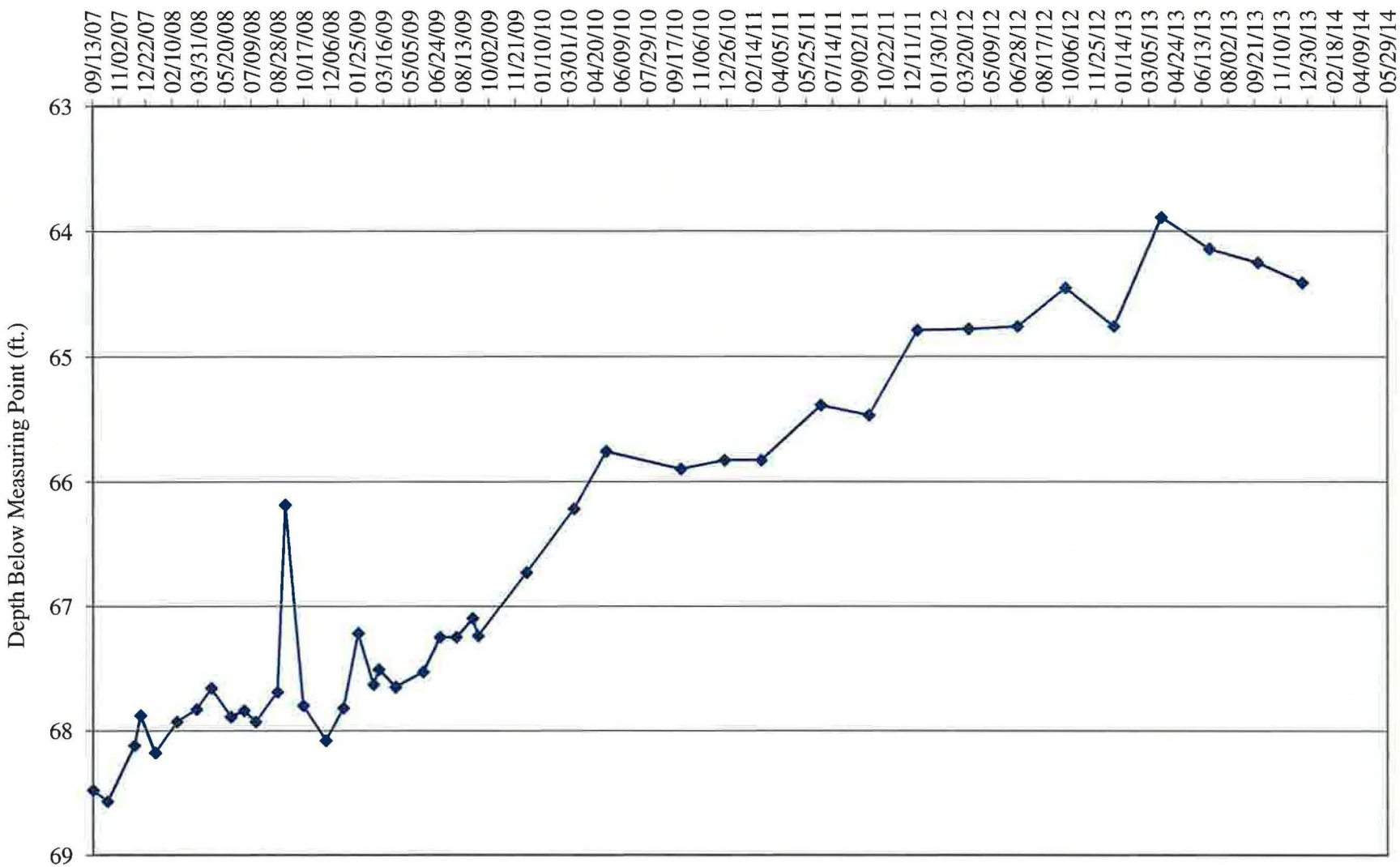
TW4-21 Water Depth Over Time (ft. blmp)



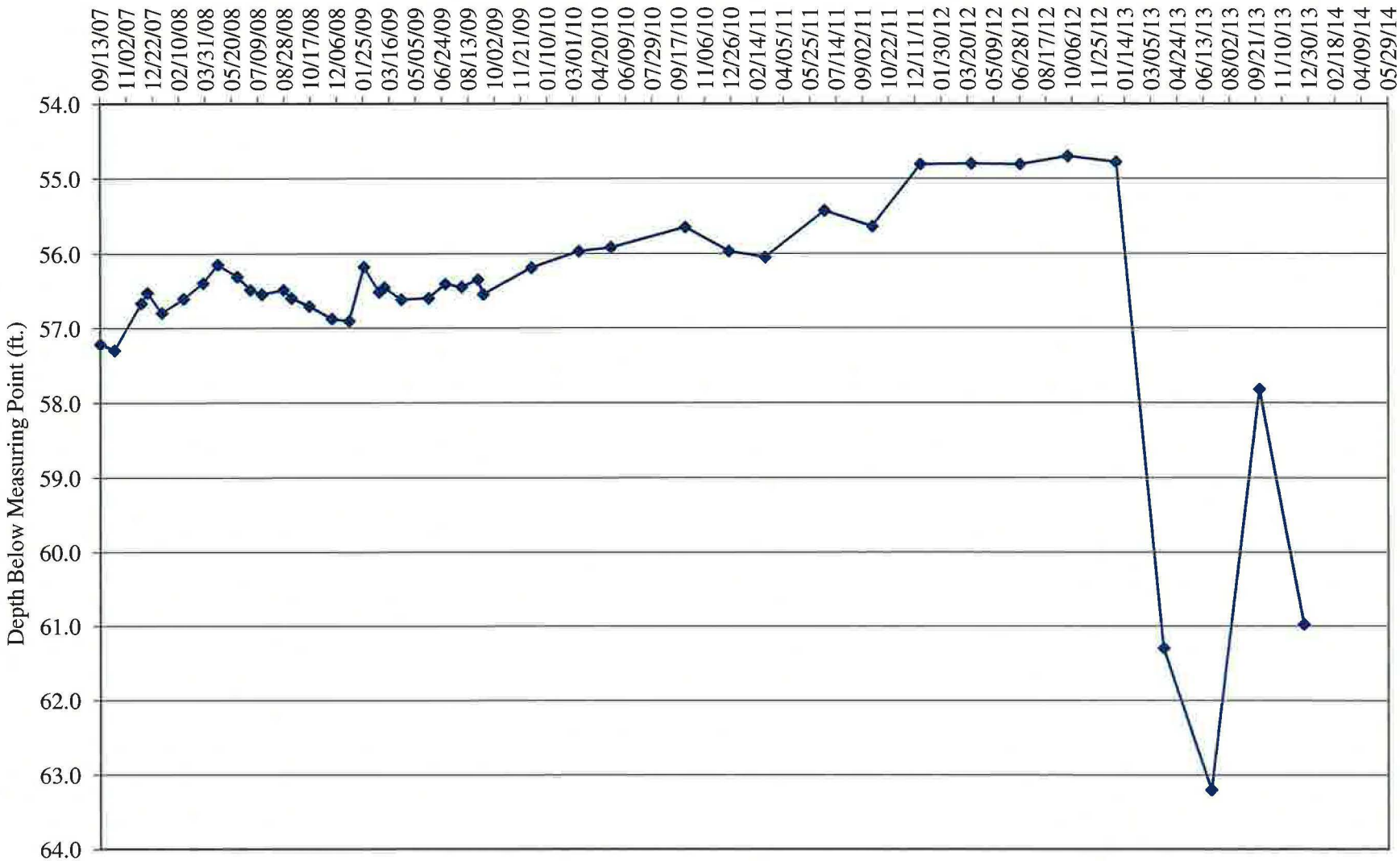
TW4-22 Water Depth Over Time (ft. blmp)



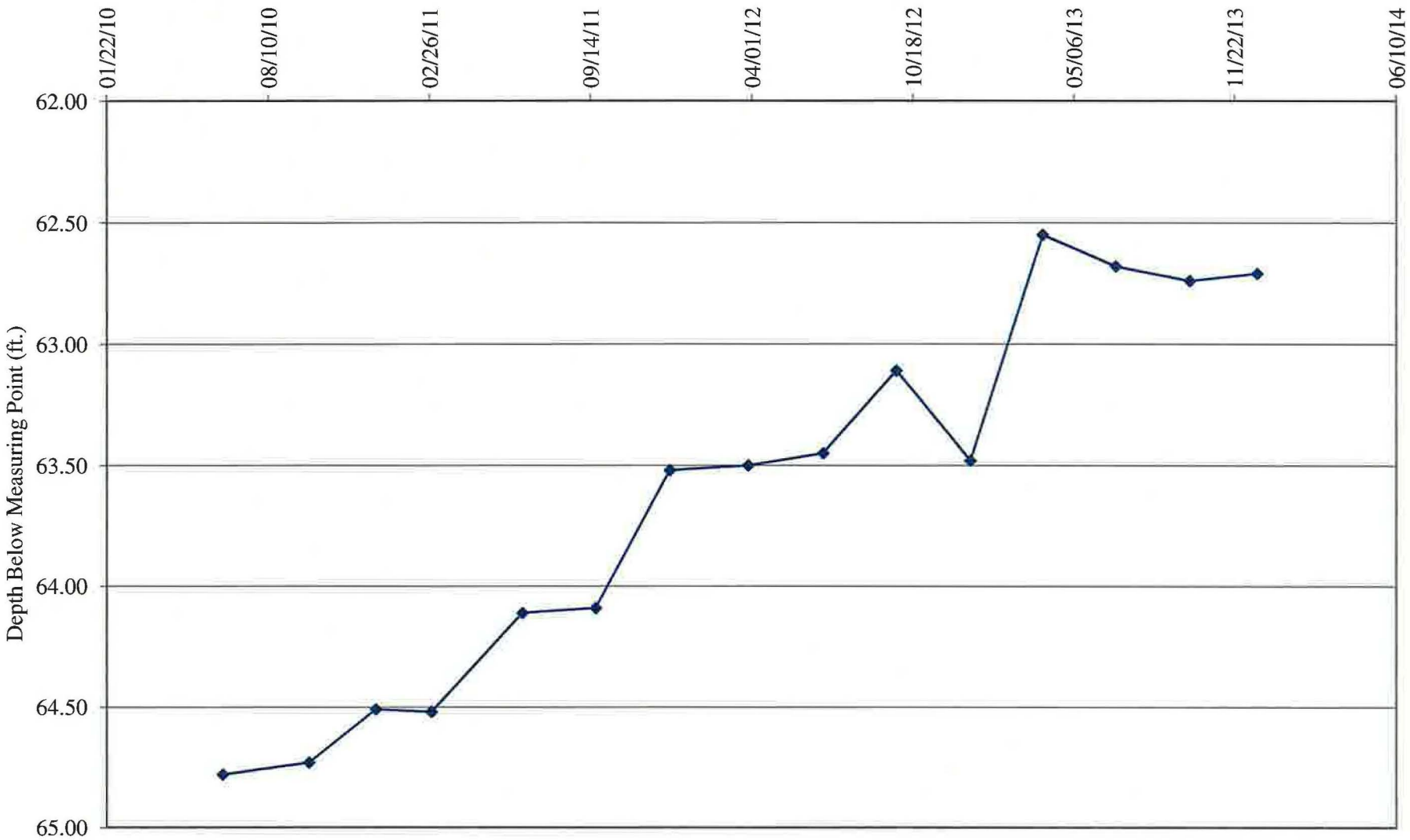
TW4-23 Water Depth Over Time (ft. blmp)

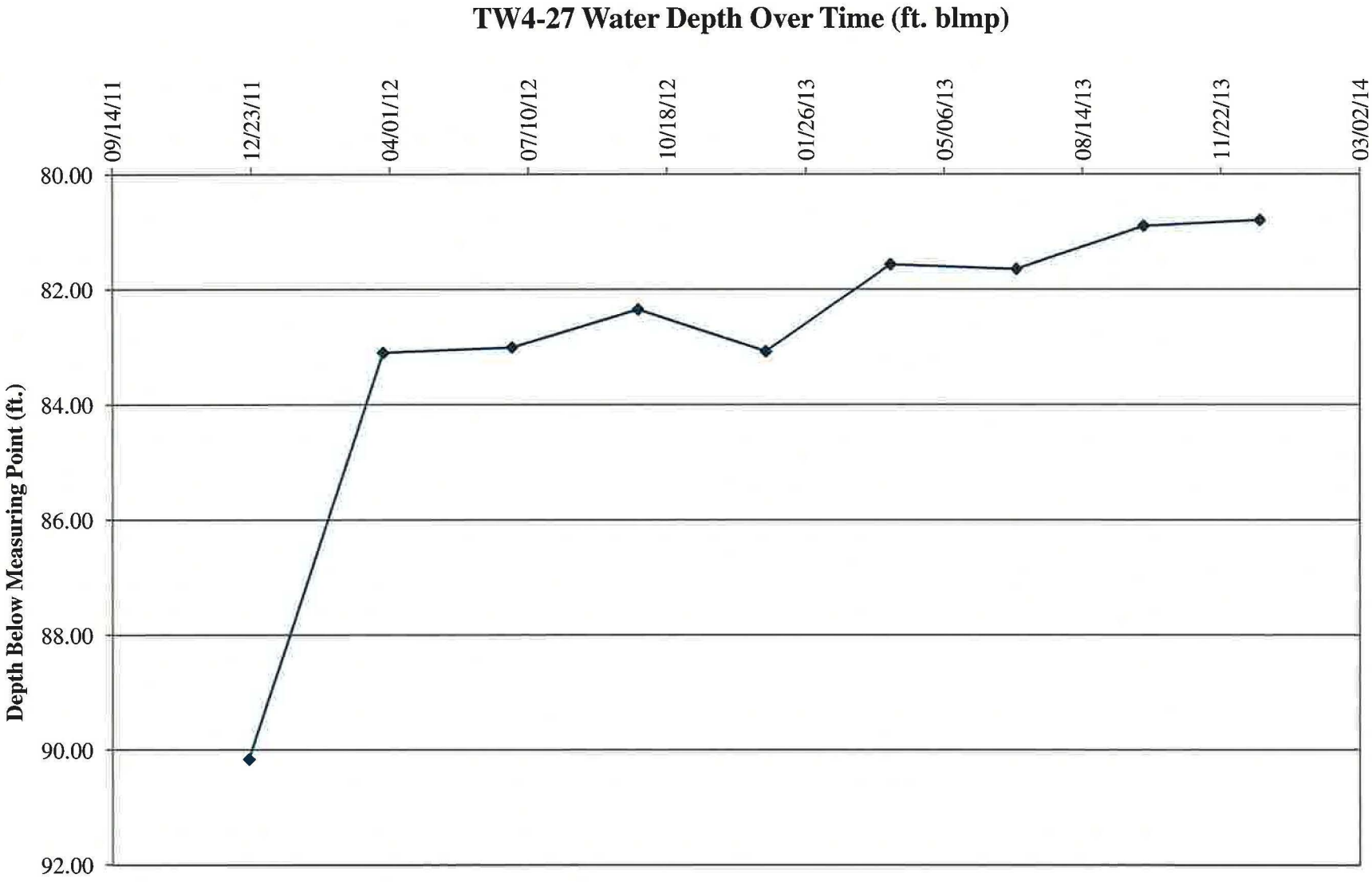


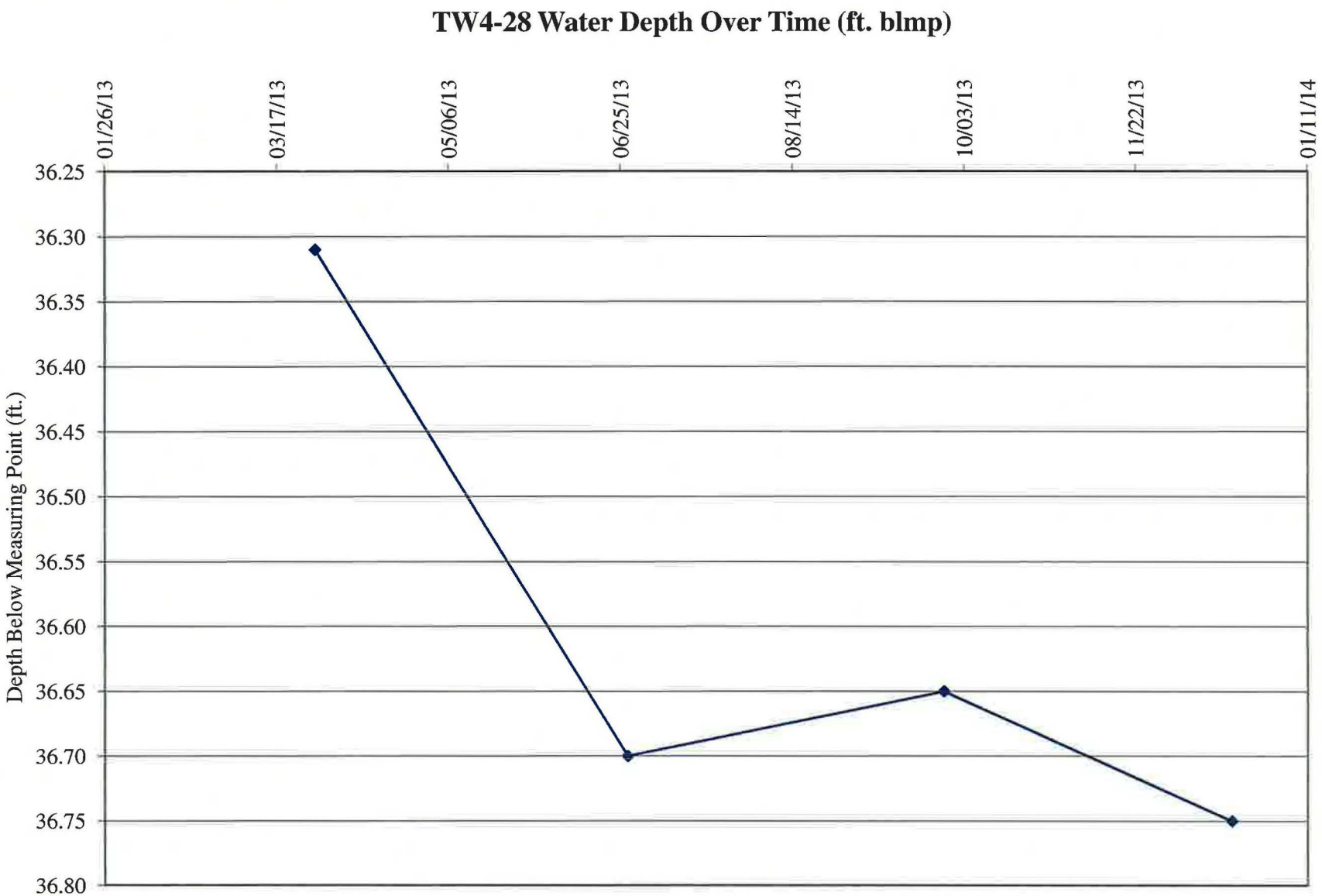
TW4-24 Water Depth Over Time (ft. blmp)

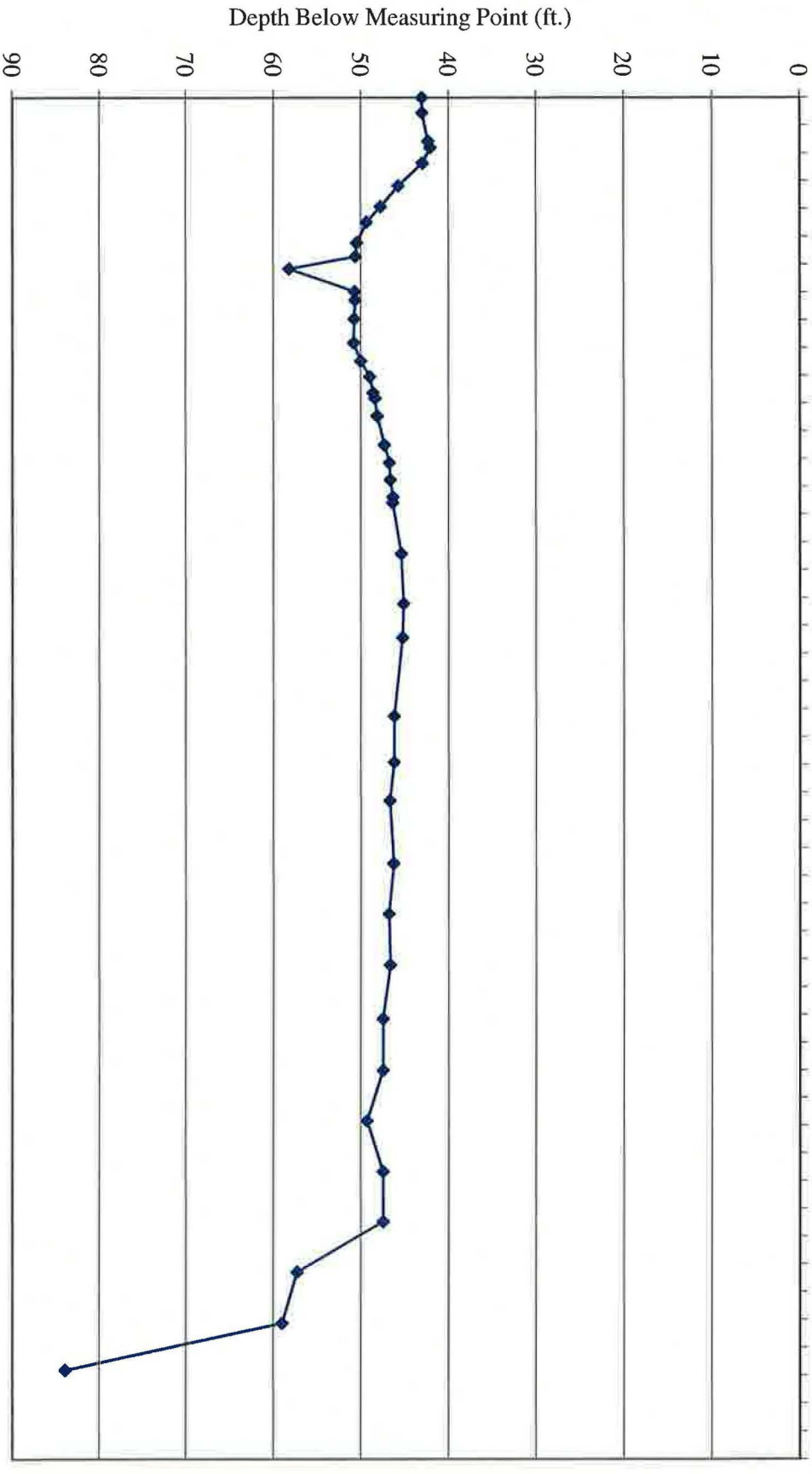


TW4-26 Water Depth Over Time (ft. blmp)



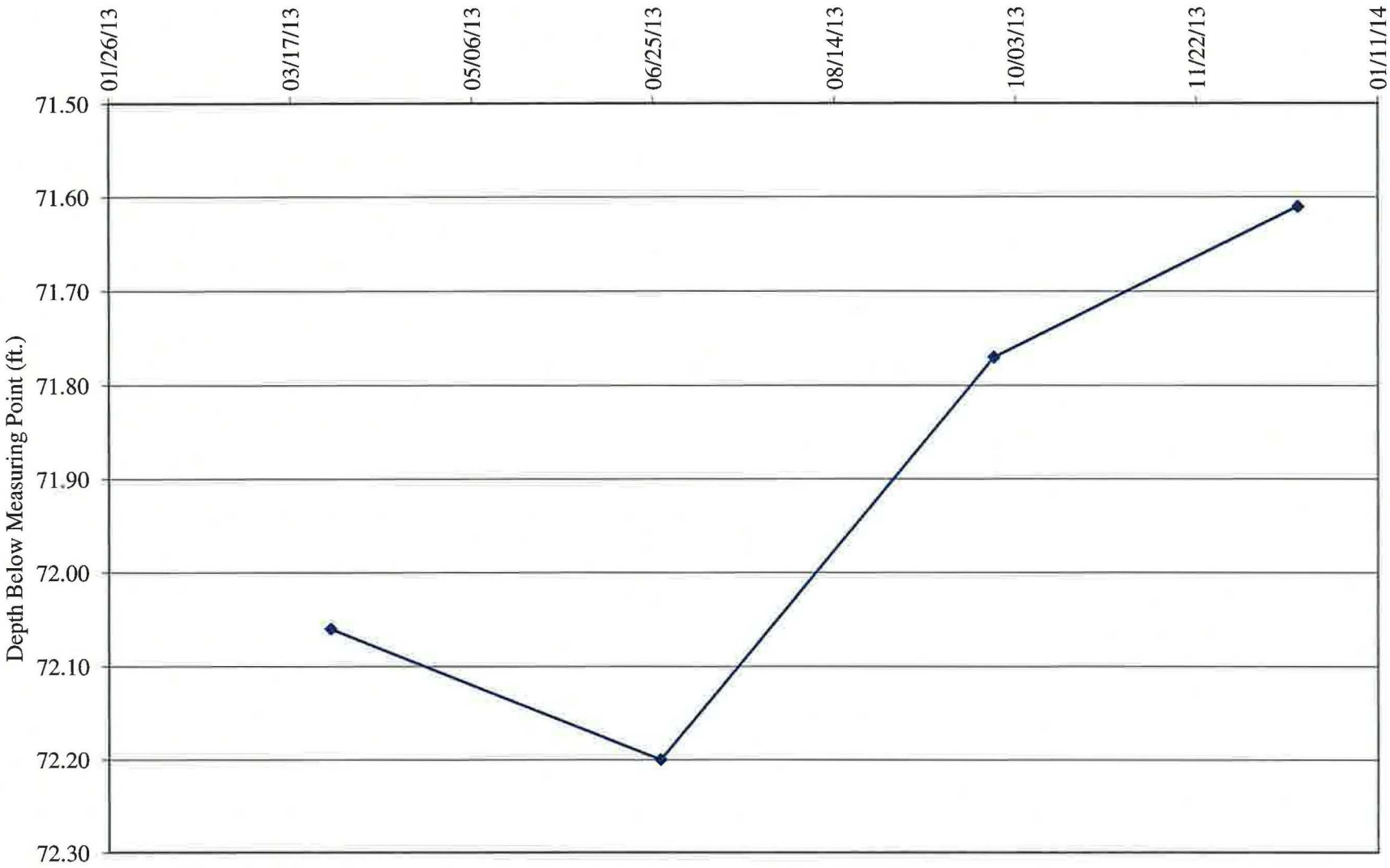

TW4-27 Water Depth Over Time (ft. blmp)
09/14/11
12/23/11
04/01/12
07/10/12
10/18/12
01/26/13
05/06/13
08/14/13
11/22/13
03/02/14
80.00
82.00
84.00
86.00
88.00
90.00
92.00
Depth Below Measuring Point (ft.)

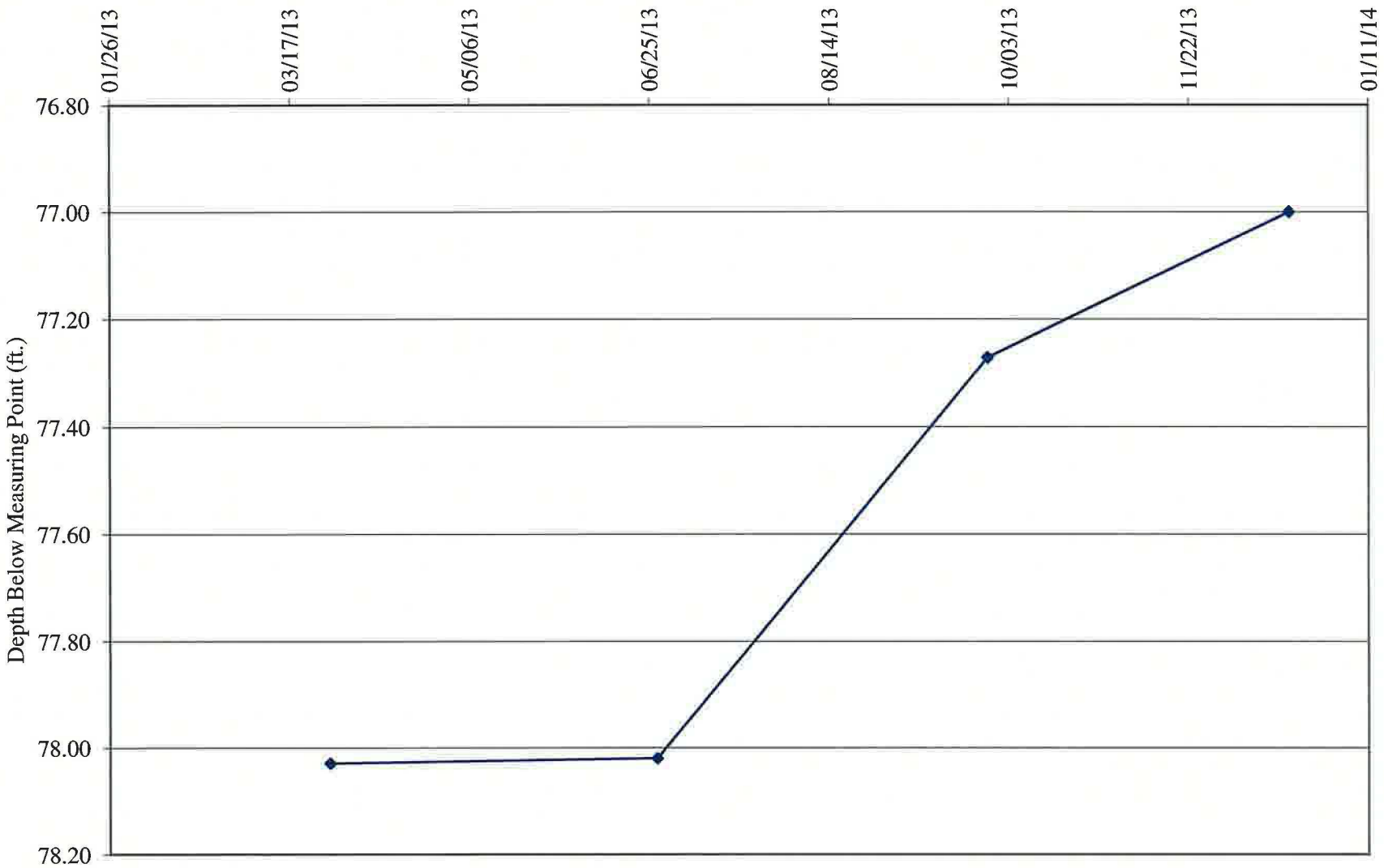

TW4-28 Water Depth Over Time (ft. blmp)
01/26/13
03/17/13
05/06/13
06/25/13
08/14/13
10/03/13
11/22/13
01/11/14
Depth Below Measuring Point (ft.)
36.25
36.30
36.35
36.40
36.45
36.50
36.55
36.60
36.65
36.70
36.75
36.80

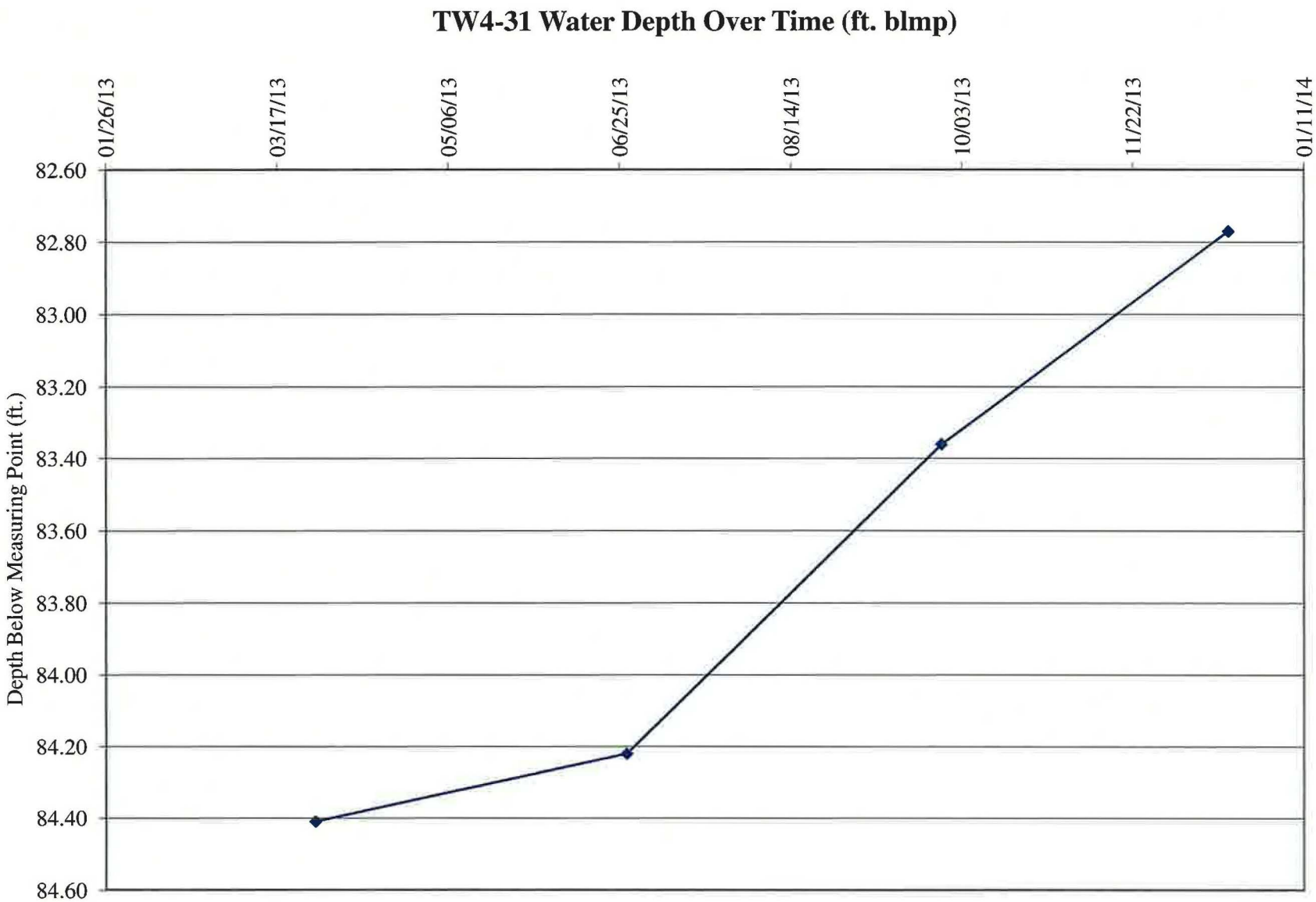


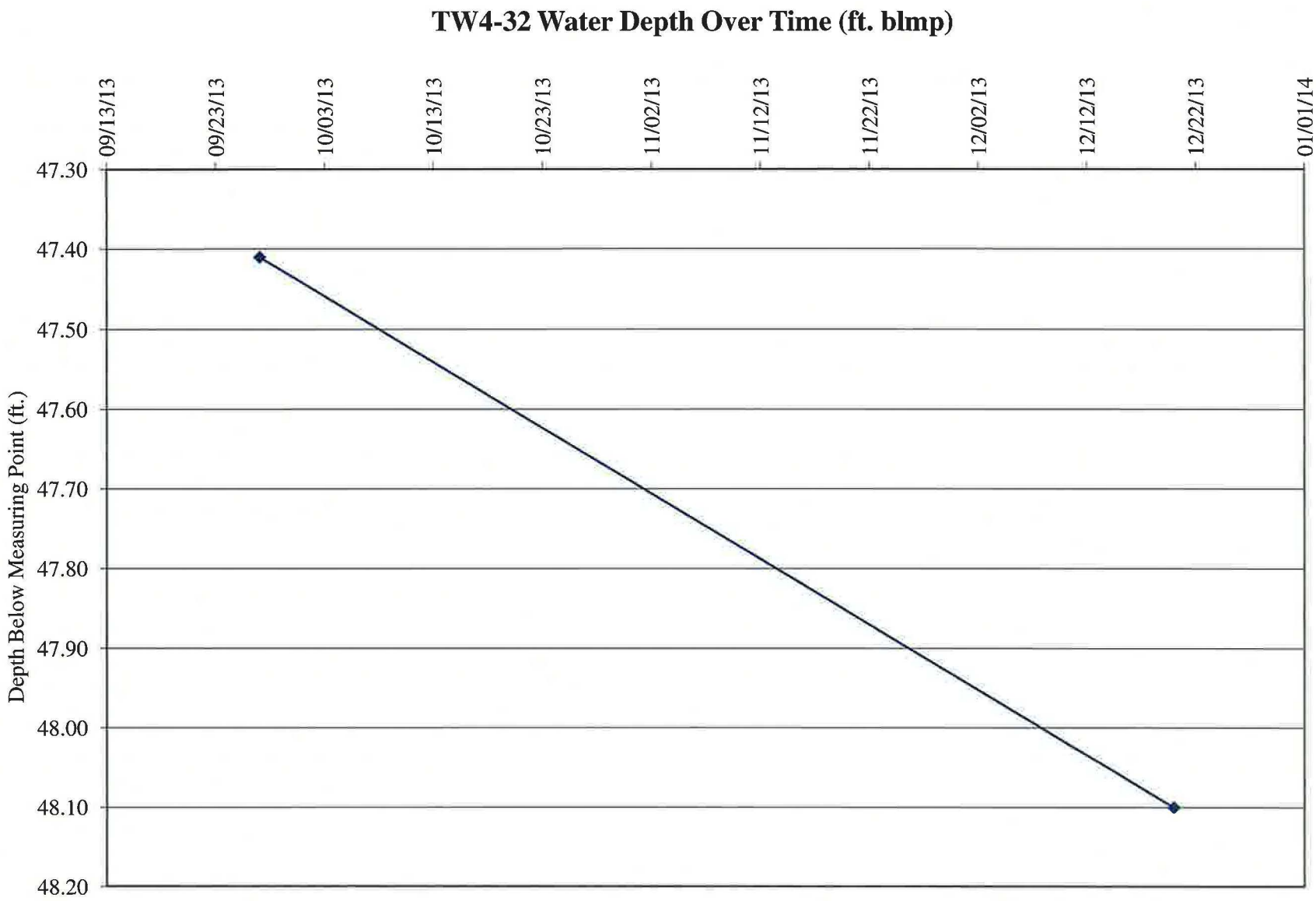
TW4-25 Water Depth Over Time (ft. blmp)

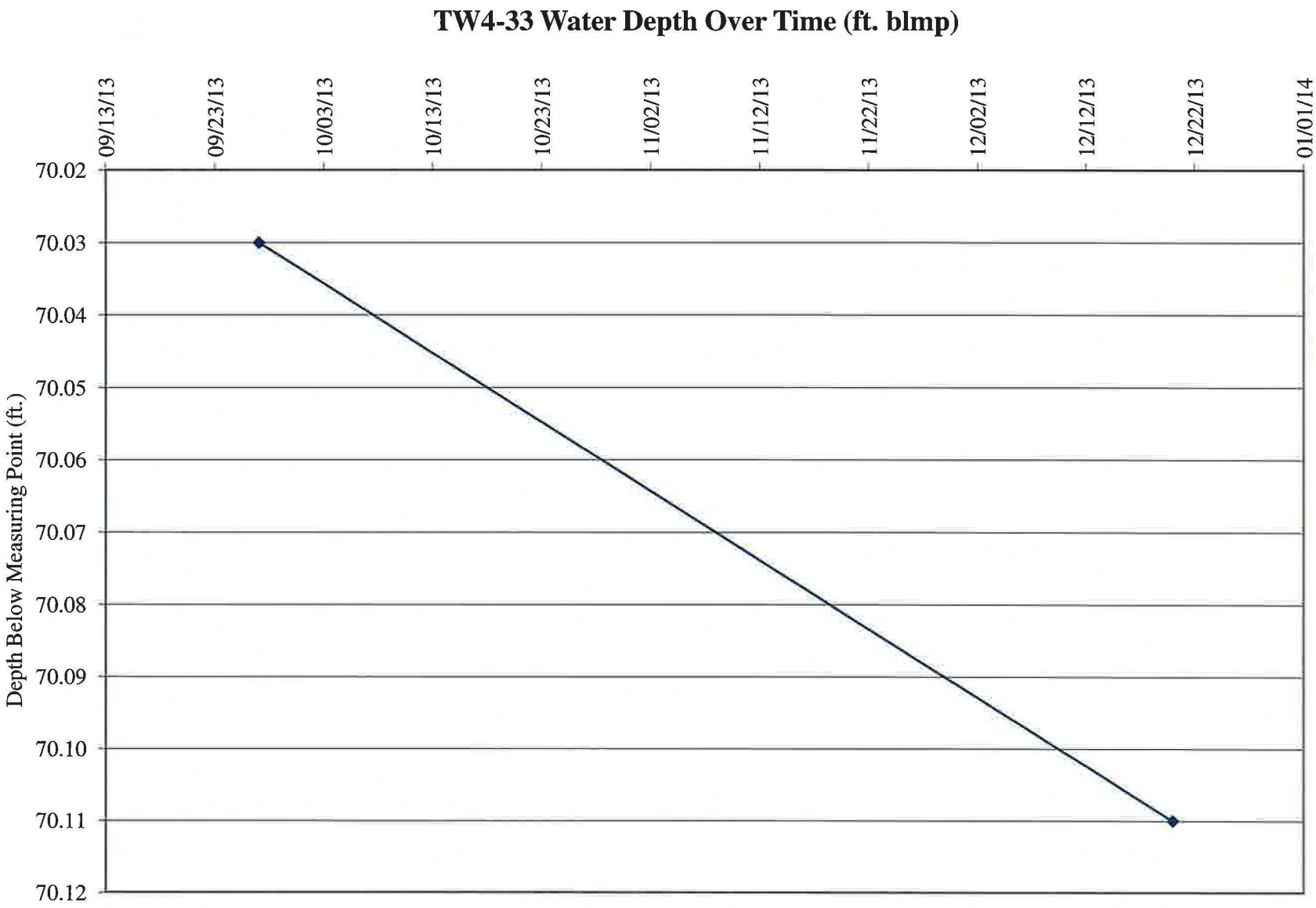
TW4-29 Water Depth Over Time (ft. blmp)

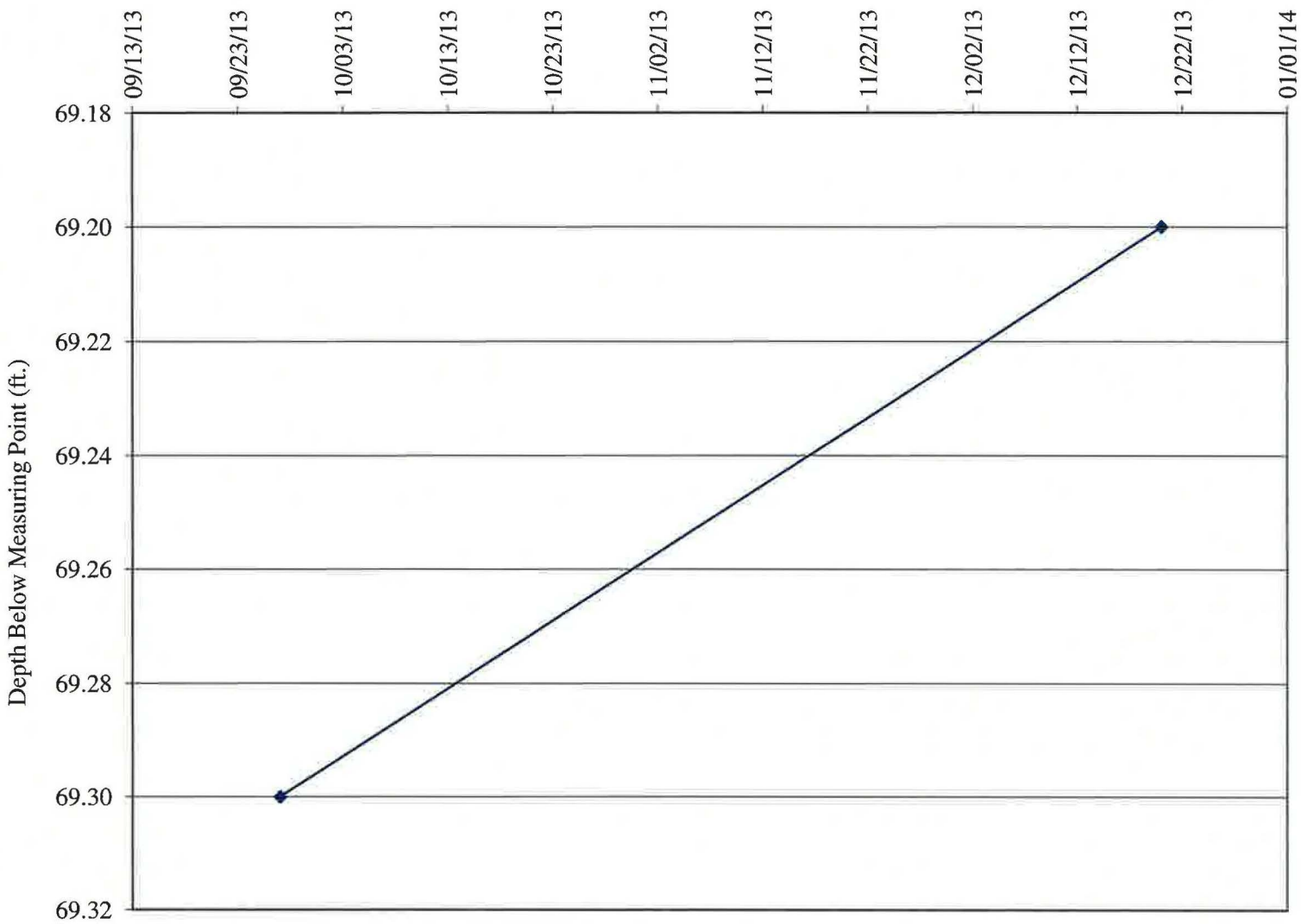



TW4-30 Water Depth Over Time (ft. blmp)
01/26/13
03/17/13
05/06/13
06/25/13
08/14/13
10/03/13
11/22/13
01/11/14
76.80
77.00
77.20
77.40
77.60
77.80
78.00
78.20
Depth Below Measuring Point (ft.)


TW4-31 Water Depth Over Time (ft. blmp)
01/26/13
03/17/13
05/06/13
06/25/13
08/14/13
10/03/13
11/22/13
01/11/14
82.60
82.80
83.00
83.20
83.40
83.60
83.80
84.00
84.20
84.40
84.60
Depth Below Measuring Point (ft.)


TW4-32 Water Depth Over Time (ft. blmp)
09/13/13
09/23/13
10/03/13
10/13/13
10/23/13
11/02/13
11/12/13
11/22/13
12/02/13
12/12/13
12/22/13
01/01/14
47.30
47.40
47.50
47.60
47.70
47.80
47.90
48.00
48.10
48.20
Depth Below Measuring Point (ft.)


TW4-33 Water Depth Over Time (ft. blmp)
09/13/13
09/23/13
10/03/13
10/13/13
10/23/13
11/02/13
11/12/13
11/22/13
12/02/13
12/12/13
12/22/13
01/01/14
70.02
70.03
70.04
70.05
70.06
70.07
70.08
70.09
70.10
70.11
70.12
Depth Below Measuring Point (ft.)


TW4-34 Water Depth Over Time (ft. blmp)
09/13/13
09/23/13
10/03/13
10/13/13
10/23/13
11/02/13
11/12/13
11/22/13
12/02/13
12/12/13
12/22/13
01/01/14
69.18
69.20
69.22
69.24
69.26
69.28
69.30
69.32
Depth Below Measuring Point (ft.)

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	
5,553.23				12/20/13	69.10	67.54	

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 TW4-1

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
5,553.92				12/20/13	64.66	63.64	

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	
5,559.27				12/20/13	65.45	63.83	

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
5,565.78				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	
5,580.58				09/27/13	51.65	50.63	
5,580.38				12/20/13	51.85	50.83	

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	
5,543.33				12/20/13	70.16	68.98	

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
5,579.30				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	
5,582.88				03/28/13	57.82	55.87	
5,582.05				06/27/13	58.65	56.70	
5,581.35				09/27/13	59.35	57.40	
5,580.52				12/20/13	60.18	58.23	

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
5,522.28				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	
5,539.85				12/20/13	68.93	67.48	

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	
5,555.80				12/20/13	65.27	64.07	

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	
5,556.56				12/20/13	64.84	60.24	

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	
5,579.73				12/20/13	57.86	56.38	

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	
5,576.22				12/20/13	58.02	55.77	

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	
5,565.63				12/20/13	57.99	56.29	

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	
5,582.24				09/27/13	41.99	40.14	
5,582.12				12/20/13	42.11	40.26	

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	
5,573.46				12/20/13	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	
5,528.19				12/20/13	84.58	82.73	

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	
5,559.27				12/20/13	66.18	64.88	

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	
5,562.17				12/20/13	61.85	60.02	

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	
5,551.33				12/20/13	73.91	72.08	

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	
5,579.71				12/20/13	61.57	59.42	

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	
5,564.55				12/20/13	66.84	64.98	

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	
5,569.93				06/27/13	59.60	58.59	
5,568.53				09/27/13	61.00	59.99	
5,559.44				12/20/13	70.09	69.08	

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	
5,577.45				12/20/13	61.90	60.75	

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	
5,569.93				12/20/13	59.07	57.90	

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	
5,543.23				06/27/13	64.14	62.54	
5,543.12				09/27/13	64.25	62.65	
5,542.96				12/20/13	64.41	62.81	

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	
5,566.85				12/20/13	60.98	58.85	

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	
5,597.43				03/28/13	47.48	30.40	
5,587.61				06/27/13	57.30	40.22	
5,585.91				09/27/13	59.00	41.92	
5,561.00				12/20/13	83.91	66.83	

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	
5,538.97				12/20/13	62.71	61.01	

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	
5,527.14				12/20/13	80.80	79.05	

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	
5,580.25				12/20/13	36.75	33.27	

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	
5,534.43				12/20/13	71.61	68.13	

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	
5,525.81				12/20/13	77.00	73.52	

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	
5,521.81				12/20/13	82.77	79.29	

Water Levels and Data over Time
White Mesa Mill - Well TW4-32

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
	5,610.20	5,611.84	1.64				113
5,564.43				09/27/13	47.41	45.77	
5,563.74				12/20/13	48.10	46.46	

Water Levels and Data over Time
White Mesa Mill - Well TW4-33

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
	5,605.20	5,606.73	1.53				84.7
5,536.70				09/27/13	70.03	68.50	
5,536.62				12/20/13	70.11	68.58	

Water Levels and Data over Time
White Mesa Mill - Well TW4-34

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
	5,601.60	5,603.34	1.74				94
5,534.04				09/27/13	69.30	67.56	
5,534.14				12/20/13	69.20	67.46	

Tab H

Laboratory Analytical Reports

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-005C
Client Sample ID: MW-04_10292013
Collection Date: 10/29/2013 **1255h**
Received Date: 10/31/2013 **0935h**
Test Code: 8260-W

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

Analyzed: 10/31/2013 1945h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**1,410**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	536	500.0	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	467	500.0	93.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	533	500.0	107	80-124	
Surr: Toluene-d8	2037-26-5	494	500.0	98.8	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 10/31/2013 1340h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**5.58**	
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	53.9	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.0	50.00	96.0	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.9	50.00	110	80-124	
Surr: Toluene-d8	2037-26-5	48.6	50.00	97.2	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-005
Client Sample ID: MW-04_10292013
Collection Date: 10/29/2013 **1255h**
Received Date: 10/31/2013 **0935h**

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/3/2013 0826h	E300.0	5.00	**40.1**	
Nitrate/Nitrite (as N)	mg/L		11/5/2013 2037h	E353.2	1.00	**5.25**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-009C
Client Sample ID: TW4-01_11142013
Collection Date: 11/14/2013 0828h
Received Date: 11/15/2013 0850h

Test Code: 8260-W

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

Analyzed: 11/18/2013 1219h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**1,280**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	1,190	1,000	119	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	968	1,000	96.8	80-128	
Surr: Dibromofluoromethane	1868-53-7	1,100	1,000	110	80-124	
Surr: Toluene-d8	2037-26-5	936	1,000	93.6	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 11/15/2013 1828h
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	60.1	50.00	120	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.4	50.00	96.8	80-128	
Surr: Dibromofluoromethane	1868-53-7	56.4	50.00	113	80-124	
Surr: Toluene-d8	2037-26-5	46.3	50.00	92.6	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-009
Client Sample ID: TW4-01_11142013
Collection Date: 11/14/2013 0828h
Received Date: 11/15/2013 0850h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/22/2013 0918h	E300.0	10.0	**36.5**	
Nitrate/Nitrite (as N)	mg/L		11/15/2013 1728h	E353.2	1.00	**7.08**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-010C
Client Sample ID: TW4-02_11142013
Collection Date: 11/14/2013 0833h
Received Date: 11/15/2013 0850h

Test Code: 8260-W

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

Analyzed: 11/18/2013 1238h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**3,740**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	3,020	2,500	121	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,400	2,500	95.8	80-128	
Surr: Dibromofluoromethane	1868-53-7	2,810	2,500	112	80-124	
Surr: Toluene-d8	2037-26-5	2,330	2,500	93.2	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 11/15/2013 1848h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**3.15**	
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	60.8	50.00	122	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.1	50.00	98.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	57.7	50.00	115	80-124	
Surr: Toluene-d8	2037-26-5	47.6	50.00	95.3	77-129	

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Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-010
Client Sample ID: TW4-02_11142013
Collection Date: 11/14/2013 0833h
Received Date: 11/15/2013 0850h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/22/2013 0942h	E300.0	10.0	**43.9**	
Nitrate/Nitrite (as N)	mg/L		11/15/2013 1730h	E353.2	1.00	**8.39**	

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Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-002C
Client Sample ID: TW4-03_11062013
Collection Date: 11/6/2013 0712h
Received Date: 11/8/2013 1005h

Test Code: 8260-W

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

Analyzed: 11/8/2013 1452h
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	52.2	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.0	50.00	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.3	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	51.1	50.00	102	77-129	

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-002
Client Sample ID: TW4-03_11062013
Collection Date: 11/6/2013 0712h
Received Date: 11/8/2013 1005h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/9/2013 1130h	E300.0	5.00	**24.1**	
Nitrate/Nitrite (as N)	mg/L		11/13/2013 1942h	E353.2	1.00	**5.89**	

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
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Kyle F. Gross
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Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-001C
Client Sample ID: TW4-03R_11052013
Collection Date: 11/5/2013 0644h
Received Date: 11/8/2013 1005h

Test Code: 8260-W

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

Analyzed: 11/8/2013 1433h
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	51.5	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.1	50.00	100	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.2	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	50.8	50.00	102	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-001
Client Sample ID: TW4-03R_11052013
Collection Date: 11/5/2013 0644h
Received Date: 11/8/2013 1005h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/9/2013 0916h	E300.0	1.00	< 1.00	
Nitrate/Nitrite (as N)	mg/L		11/13/2013 1941h	E353.2	0.100	< 0.100	

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
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Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-004C
Client Sample ID: TW4-04_10292013
Collection Date: 10/29/2013 **1302h**
Received Date: 10/31/2013 **0935h**
Test Code: 8260-W

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

Analyzed: 10/31/2013 1926h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**1,360**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	526	500.0	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	483	500.0	96.5	80-128	
Surr: Dibromofluoromethane	1868-53-7	526	500.0	105	80-124	
Surr: Toluene-d8	2037-26-5	489	500.0	97.7	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 10/31/2013 1321h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**5.30**	
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	53.0	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.8	50.00	93.6	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.0	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	48.3	50.00	96.6	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-004
Client Sample ID: TW4-04_10292013
Collection Date: 10/29/2013 **1302h**
Received Date: 10/31/2013 **0935h**

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/3/2013 0803h	E300.0	5.00	**43.9**	
Nitrate/Nitrite (as N)	mg/L		11/5/2013 2036h	E353.2	1.00	**7.84**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-002C
Client Sample ID: TW4-05_11132013
Collection Date: 11/13/2013 0708h
Received Date: 11/15/2013 0850h

Test Code: 8260-W

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

Analyzed: 11/15/2013 1536h
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	**14.4**	
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	60.8	50.00	122	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.6	50.00	99.1	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.8	50.00	110	80-124	
Surr: Toluene-d8	2037-26-5	47.2	50.00	94.3	77-129	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-002
Client Sample ID: TW4-05_11132013
Collection Date: 11/13/2013 0708h
Received Date: 11/15/2013 0850h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/22/2013 0628h	E300.0	5.00	**41.1**	
Nitrate/Nitrite (as N)	mg/L		11/15/2013 1744h	E353.2	1.00	**7.75**	

463 West 3600 South
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-001C
Client Sample ID: TW4-06_11132013
Collection Date: 11/13/2013 0700h
Received Date: 11/15/2013 0850h

Test Code: 8260-W

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

Analyzed: 11/15/2013 1517h
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	**5.51**	
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	59.5	50.00	119	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.1	50.00	96.2	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.2	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	46.8	50.00	93.5	77-129	

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-001
Client Sample ID: TW4-06_11132013
Collection Date: 11/13/2013 0700h
Received Date: 11/15/2013 0850h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/22/2013 0451h	E300.0	5.00	**40.2**	
Nitrate/Nitrite (as N)	mg/L		11/15/2013 1710h	E353.2	1.00	**1.52**	1

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

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-007C
Client Sample ID: TW4-07_11142013
Collection Date: 11/14/2013 0813h
Received Date: 11/15/2013 0850h
Test Code: 8260-W

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

Analyzed: 11/18/2013 1141h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**1,050**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	1,160	1,000	116	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	944	1,000	94.4	80-128	
Surr: Dibromofluoromethane	1868-53-7	1,080	1,000	108	80-124	
Surr: Toluene-d8	2037-26-5	920	1,000	92.0	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 11/15/2013 1750h
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	59.6	50.00	119	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.9	50.00	95.7	80-128	
Surr: Dibromofluoromethane	1868-53-7	56.0	50.00	112	80-124	
Surr: Toluene-d8	2037-26-5	46.5	50.00	93.0	77-129	

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-007
Client Sample ID: TW4-07_11142013
Collection Date: 11/14/2013 0813h
Received Date: 11/15/2013 0850h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/22/2013 0829h	E300.0	5.00	**37.2**	
Nitrate/Nitrite (as N)	mg/L		11/15/2013 1726h	E353.2	1.00	**4.13**	1

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

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-011C
Client Sample ID: TW4-08_11072013
Collection Date: 11/7/2013 0813h
Received Date: 11/8/2013 1005h
Test Code: 8260-W

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

Analyzed: 11/8/2013 1817h
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	51.6	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.8	50.00	108	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.2	50.00	98.4	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: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-011
Client Sample ID: TW4-08_11072013
Collection Date: 11/7/2013 0813h
Received Date: 11/8/2013 1005h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/11/2013 1346h	E300.0	10.0	**46.1**	
Nitrate/Nitrite (as N)	mg/L		11/13/2013 2001h	E353.2	0.100	< 0.100	

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-012C
Client Sample ID: TW4-09_11072013
Collection Date: 11/7/2013 0817h
Received Date: 11/8/2013 1005h

Test Code: 8260-W

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

Analyzed: 11/8/2013 1835h
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	51.6	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.0	50.00	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.7	50.00	97.3	80-124	
Surr: Toluene-d8	2037-26-5	50.7	50.00	101	77-129	

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-012
Client Sample ID: TW4-09_11072013
Collection Date: 11/7/2013 0817h
Received Date: 11/8/2013 1005h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/13/2013 0130h	E300.0	5.00	**23.6**	
Nitrate/Nitrite (as N)	mg/L		11/13/2013 2003h	E353.2	1.00	**4.87**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-008C
Client Sample ID: TW4-10_11142013
Collection Date: 11/14/2013 0820h
Received Date: 11/15/2013 0850h

Test Code: 8260-W

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

Analyzed: 11/18/2013 1200h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**1,380**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	1,180	1,000	118	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	959	1,000	95.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	1,090	1,000	109	80-124	
Surr: Toluene-d8	2037-26-5	929	1,000	92.9	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 11/15/2013 1809h
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	57.6	50.00	115	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.2	50.00	92.4	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.1	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	44.9	50.00	89.8	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-008
Client Sample ID: TW4-10_11142013
Collection Date: 11/14/2013 0820h
Received Date: 11/15/2013 0850h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/22/2013 0854h	E300.0	10.0	**70.9**	
Nitrate/Nitrite (as N)	mg/L		11/15/2013 1727h	E353.2	1.00	**16.0**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-006C
Client Sample ID: TW4-11_11132013
Collection Date: 11/13/2013 0745h
Received Date: 11/15/2013 0850h

Test Code: 8260-W

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

Analyzed: 11/18/2013 1122h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**874**	~

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	496	500.0	99.2	80-128	
Surr: Dibromofluoromethane	1868-53-7	537	500.0	107	80-124	
Surr: Toluene-d8	2037-26-5	473	500.0	94.5	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 11/15/2013 1731h
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	60.7	50.00	121	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.2	50.00	98.4	80-128	
Surr: Dibromofluoromethane	1868-53-7	56.7	50.00	113	80-124	
Surr: Toluene-d8	2037-26-5	47.7	50.00	95.4	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-006
Client Sample ID: TW4-11_11132013
Collection Date: 11/13/2013 0745h
Received Date: 11/15/2013 0850h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/22/2013 0805h	E300.0	10.0	**46.7**	
Nitrate/Nitrite (as N)	mg/L		11/15/2013 1724h	E353.2	1.00	**8.01**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-003C
Client Sample ID: TW4-12_11062013
Collection Date: 11/6/2013 0725h
Received Date: 11/8/2013 1005h

Test Code: 8260-W

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

Analyzed: 11/8/2013 1510h
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	52.5	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	54.2	50.00	108	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.2	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	52.7	50.00	105	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-003
Client Sample ID: TW4-12_11062013
Collection Date: 11/6/2013 0725h
Received Date: 11/8/2013 1005h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/9/2013 1152h	E300.0	5.00	**41.4**	
Nitrate/Nitrite (as N)	mg/L		11/13/2013 1943h	E353.2	1.00	**16.4**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-004C
Client Sample ID: TW4-13_11062013
Collection Date: 11/6/2013 0732h
Received Date: 11/8/2013 1005h

Test Code: 8260-W

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

Analyzed: 11/8/2013 1606h
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	52.9	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.9	50.00	106	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.4	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	51.2	50.00	102	77-129	

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-004
Client Sample ID: TW4-13_11062013
Collection Date: 11/6/2013 0732h
Received Date: 11/8/2013 1005h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/9/2013 1214h	E300.0	10.0	**58.5**	
Nitrate/Nitrite (as N)	mg/L		11/13/2013 1945h	E353.2	1.00	**6.48**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-005C
Client Sample ID: TW4-14_11062013
Collection Date: 11/6/2013 0738h
Received Date: 11/8/2013 1005h

Test Code: 8260-W

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

Analyzed: 11/8/2013 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	51.5	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.5	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.1	50.00	98.2	80-124	
Surr: Toluene-d8	2037-26-5	50.0	50.00	100	77-129	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-005
Client Sample ID: TW4-14_11062013
Collection Date: 11/6/2013 0738h
Received Date: 11/8/2013 1005h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/9/2013 1236h	E300.0	5.00	**36.5**	
Nitrate/Nitrite (as N)	mg/L		11/13/2013 1946h	E353.2	1.00	**4.81**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-006C
Client Sample ID: MW-26_10292013
Collection Date: 10/29/2013 1246h
Received Date: 10/31/2013 0935h
Test Code: 8260-W

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

Analyzed: 10/31/2013 2004h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**1,410**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	531	500.0	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	469	500.0	93.7	80-128	
Surr: Dibromofluoromethane	1868-53-7	525	500.0	105	80-124	
Surr: Toluene-d8	2037-26-5	486	500.0	97.2	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 10/31/2013 1359h
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	**4.03**	

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	46.7	50.00	93.4	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.7	50.00	109	80-124	
Surr: Toluene-d8	2037-26-5	48.6	50.00	97.1	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-006
Client Sample ID: MW-26_10292013
Collection Date: 10/29/2013 **1246h**
Received Date: 10/31/2013 **0935h**

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/3/2013 0849h	E300.0	10.0	**72.3**	
Nitrate/Nitrite (as N)	mg/L		11/5/2013 2056h	E353.2	0.100	**1.38**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-013C
Client Sample ID: TW4-16_11072013
Collection Date: 11/7/2013 0823h
Received Date: 11/8/2013 1005h
Test Code: 8260-W

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

Analyzed: 11/8/2013 1854h
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	**13.4**	
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	99.8	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.9	50.00	97.8	80-128	
Surr: Dibromofluoromethane	1868-53-7	47.5	50.00	95.0	80-124	
Surr: Toluene-d8	2037-26-5	49.0	50.00	98.1	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-013
Client Sample ID: TW4-16_11072013
Collection Date: 11/7/2013 0823h
Received Date: 11/8/2013 1005h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/13/2013 0237h	E300.0	10.0	**56.6**	
Nitrate/Nitrite (as N)	mg/L		11/13/2013 2004h	E353.2	0.100	**1.37**	

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

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-001C
Client Sample ID: MW-32_10292013
Collection Date: 10/29/2013 1330h
Received Date: 10/31/2013 0935h **Test Code:** 8260-W

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

Analyzed: 10/31/2013 1223h
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	53.8	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.2	50.00	94.5	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.0	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	49.0	50.00	98.1	77-129	

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-001
Client Sample ID: MW-32_10292013
Collection Date: 10/29/2013 1330h
Received Date: 10/31/2013 0935h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/3/2013 0607h	E300.0	5.00	**35.7**	
Nitrate/Nitrite (as N)	mg/L		11/5/2013 2032h	E353.2	0.100	< 0.100	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-003C
Client Sample ID: TW4-18_11132013
Collection Date: 11/13/2013 0718h
Received Date: 11/15/2013 0850h

Test Code: 8260-W

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

Analyzed: 11/15/2013 1555h
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	**44.3**	
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	59.7	50.00	119	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.2	50.00	94.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.6	50.00	109	80-124	
Surr: Toluene-d8	2037-26-5	46.4	50.00	92.8	77-129	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-003
Client Sample ID: TW4-18_11132013
Collection Date: 11/13/2013 0718h
Received Date: 11/15/2013 0850h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/22/2013 0652h	E300.0	5.00	**37.1**	
Nitrate/Nitrite (as N)	mg/L		11/15/2013 1713h	E353.2	1.00	**14.2**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-015C
Client Sample ID: TW4-18R_11122013
Collection Date: 11/12/2013 0827h
Received Date: 11/15/2013 0850h

Test Code: 8260-W

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

Analyzed: 11/15/2013 2024h
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	60.4	50.00	121	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.2	50.00	98.5	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.0	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	46.9	50.00	93.8	77-129	

Reissue of a previously generated report. The Client Sample ID has been updated. Information herein supersedes that of previously issued reports.

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-015
Client Sample ID: TW4-18R_11122013
Collection Date: 11/12/2013 0827h
Received Date: 11/15/2013 0850h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/22/2013 0338h	E300.0	1.00	< 1.00	
Nitrate/Nitrite (as N)	mg/L		11/15/2013 1852h	E353.2	0.100	< 0.100	

Reissue of a previously generated report. The Client Sample ID has been updated. Information herein supersedes that of previously issued reports.

463 West 3600 South
Salt Lake City, UT 84115

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
Toll Free: (888) 263-8686
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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-007C
Client Sample ID: TW4-19_10292013
Collection Date: 10/29/2013 **1410h**
Received Date: 10/31/2013 **0935h** **Test Code: 8260-W**

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

Analyzed: 10/31/2013 2024h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**942**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	531	500.0	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	466	500.0	93.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	526	500.0	105	80-124	
Surr: Toluene-d8	2037-26-5	488	500.0	97.5	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 10/31/2013 1418h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**6.42**	
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	46.4	50.00	92.7	80-128	
Surr: Dibromofluoromethane	1868-53-7	55.0	50.00	110	80-124	
Surr: Toluene-d8	2037-26-5	48.4	50.00	96.8	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-007
Client Sample ID: TW4-19_10292013
Collection Date: 10/29/2013 **1410h**
Received Date: 10/31/2013 **0935h**

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/3/2013 0913h	E300.0	50.0	**134**	
Nitrate/Nitrite (as N)	mg/L		11/5/2013 2047h	E353.2	1.00	**4.70**	

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
Toll Free: (888) 263-8686
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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-009C
Client Sample ID: TW4-20_10292013
Collection Date: 10/29/2013 1240h
Received Date: 10/31/2013 0935h

Test Code: 8260-W

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

Analyzed: 11/1/2013 0820h
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	**15,700**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	5,380	5,000	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	4,750	5,000	95.0	80-128	
Surr: Dibromofluoromethane	1868-53-7	5,310	5,000	106	80-124	
Surr: Toluene-d8	2037-26-5	4,910	5,000	98.1	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 10/31/2013 1457h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**17.3**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	**1.37**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.4	50.00	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.8	50.00	95.6	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.3	50.00	109	80-124	
Surr: Toluene-d8	2037-26-5	49.7	50.00	99.3	77-129	

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-009
Client Sample ID: TW4-20_10292013
Collection Date: 10/29/2013 **1240h**
Received Date: 10/31/2013 **0935h**

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/5/2013 1544h	E300.0	50.0	**272**	
Nitrate/Nitrite (as N)	mg/L		11/5/2013 2050h	E353.2	1.00	**9.64**	

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ANALYTICAL LABORATORIES

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Salt Lake City, UT 84115

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Kyle F. Gross
Laboratory Director

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QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-004C
Client Sample ID: TW4-21_11132013
Collection Date: 11/13/2013 0723h
Received Date: 11/15/2013 0850h

Test Code: 8260-W

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

Analyzed: 11/18/2013 1005h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**204**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	543	500.0	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	493	500.0	98.7	80-128	
Surr: Dibromofluoromethane	1868-53-7	516	500.0	103	80-124	
Surr: Toluene-d8	2037-26-5	451	500.0	90.3	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 11/15/2013 1653h
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	59.9	50.00	120	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.4	50.00	98.8	80-128	
Surr: Dibromofluoromethane	1868-53-7	55.3	50.00	111	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: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-004
Client Sample ID: TW4-21_11132013
Collection Date: 11/13/2013 0723h
Received Date: 11/15/2013 0850h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/22/2013 0717h	E300.0	50.0	**206**	
Nitrate/Nitrite (as N)	mg/L		11/15/2013 1714h	E353.2	1.00	**9.00**	

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-008C
Client Sample ID: TW4-22_10292013
Collection Date: 10/29/2013 **1227h**
Received Date: 10/31/2013 **0935h**
Test Code: 8260-W

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

Analyzed: 11/1/2013 0801h
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	**13,300**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	5,350	5,000	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	4,730	5,000	94.5	80-128	
Surr: Dibromofluoromethane	1868-53-7	5,300	5,000	106	80-124	
Surr: Toluene-d8	2037-26-5	4,910	5,000	98.2	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 10/31/2013 1437h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**8.09**	
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	46.0	50.00	92.0	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.7	50.00	105	80-124	
Surr: Toluene-d8	2037-26-5	48.5	50.00	97.0	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-008
Client Sample ID: TW4-22_10292013
Collection Date: 10/29/2013 **1227h**
Received Date: 10/31/2013 **0935h**

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/3/2013 0936h	E300.0	100	**501**	
Nitrate/Nitrite (as N)	mg/L		11/5/2013 2049h	E353.2	10.0	**45.2**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

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Salt Lake City, UT 84115

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-010C
Client Sample ID: TW4-23_11072013
Collection Date: 11/7/2013 0806h
Received Date: 11/8/2013 1005h

Test Code: 8260-W

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

Analyzed: 11/8/2013 1758h
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	49.6	50.00	99.2	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.2	50.00	98.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	46.9	50.00	93.8	80-124	
Surr: Toluene-d8	2037-26-5	48.2	50.00	96.3	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-010
Client Sample ID: TW4-23_11072013
Collection Date: 11/7/2013 0806h
Received Date: 11/8/2013 1005h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/9/2013 1428h	E300.0	10.0	**43.0**	
Nitrate/Nitrite (as N)	mg/L		11/13/2013 2000h	E353.2	0.100	< 0.100	

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-003C
Client Sample ID: TW4-24_10292013
Collection Date: 10/29/2013 **1220h**
Received Date: 10/31/2013 **0935h**

Test Code: 8260-W

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

Analyzed: 10/31/2013 1301h
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	**32.5**	
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	46.6	50.00	93.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.1	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	48.4	50.00	96.8	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-003
Client Sample ID: TW4-24_10292013
Collection Date: 10/29/2013 1220h
Received Date: 10/31/2013 0935h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/3/2013 0740h	E300.0	100	**1,030**	
Nitrate/Nitrite (as N)	mg/L		11/5/2013 2035h	E353.2	10.0	**34.6**	

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
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web: www.awal-labs.com

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ANALYTICAL LABORATORIES

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-002C
Client Sample ID: TW4-25_10292013
Collection Date: 10/29/2013 **1204h**
Received Date: 10/31/2013 **0935h**
Test Code: 8260-W

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

Analyzed: 10/31/2013 1242h
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	54.9	50.00	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.6	50.00	95.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.4	50.00	107	80-124	
Surr: Toluene-d8	2037-26-5	49.4	50.00	98.8	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-002
Client Sample ID: TW4-25_10292013
Collection Date: 10/29/2013 1204h
Received Date: 10/31/2013 0935h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/3/2013 0716h	E300.0	50.0	**88.6**	
Nitrate/Nitrite (as N)	mg/L		11/5/2013 2033h	E353.2	1.00	**6.10**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-014C
Client Sample ID: TW4-26_11072013
Collection Date: 11/7/2013 0834h
Received Date: 11/8/2013 1005h

Test Code: 8260-W

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

Analyzed: 11/8/2013 1913h
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	**3.37**	
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	52.6	50.00	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.9	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	53.0	50.00	106	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-014
Client Sample ID: TW4-26_11072013
Collection Date: 11/7/2013 0834h
Received Date: 11/8/2013 1005h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/13/2013 0259h	E300.0	5.00	**15.9**	
Nitrate/Nitrite (as N)	mg/L		11/13/2013 2005h	E353.2	1.00	**15.9**	

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-006C
Client Sample ID: TW4-27_11062013
Collection Date: 11/6/2013 0746h
Received Date: 11/8/2013 1005h

Test Code: 8260-W

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

Analyzed: 11/8/2013 1643h
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	52.9	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.6	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.9	50.00	99.9	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: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-006
Client Sample ID: TW4-27_11062013
Collection Date: 11/6/2013 0746h
Received Date: 11/8/2013 1005h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/9/2013 1259h	E300.0	5.00	**21.8**	
Nitrate/Nitrite (as N)	mg/L		11/13/2013 1947h	E353.2	10.0	**29.8**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-007C
Client Sample ID: TW4-28_11062013
Collection Date: 11/6/2013 0753h
Received Date: 11/8/2013 1005h

Test Code: 8260-W

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

Analyzed: 11/8/2013 1702h
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	51.9	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.4	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.1	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	51.0	50.00	102	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-007
Client Sample ID: TW4-28_11062013
Collection Date: 11/6/2013 0753h
Received Date: 11/8/2013 1005h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/9/2013 1321h	E300.0	10.0	**45.2**	
Nitrate/Nitrite (as N)	mg/L		11/13/2013 1956h	E353.2	1.00	**16.2**	

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
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QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-005C
Client Sample ID: TW4-29_11132013
Collection Date: 11/13/2013 0737h
Received Date: 11/15/2013 0850h

Test Code: 8260-W

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

Analyzed: 11/18/2013 1103h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**260**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	548	500.0	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	490	500.0	98.0	80-128	
Surr: Dibromofluoromethane	1868-53-7	518	500.0	104	80-124	
Surr: Toluene-d8	2037-26-5	470	500.0	94.1	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 11/15/2013 1712h
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	60.7	50.00	121	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.3	50.00	96.5	80-128	
Surr: Dibromofluoromethane	1868-53-7	56.4	50.00	113	80-124	
Surr: Toluene-d8	2037-26-5	46.5	50.00	93.0	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-005
Client Sample ID: TW4-29_11132013
Collection Date: 11/13/2013 0737h
Received Date: 11/15/2013 0850h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/22/2013 0741h	E300.0	5.00	**42.5**	
Nitrate/Nitrite (as N)	mg/L		11/15/2013 1716h	E353.2	1.00	**4.11**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-008C
Client Sample ID: TW4-30_11072013
Collection Date: 11/7/2013 0751h
Received Date: 11/8/2013 1005h

Test Code: 8260-W

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

Analyzed: 11/8/2013 1721h
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	53.1	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.3	50.00	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.1	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	52.1	50.00	104	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-008
Client Sample ID: TW4-30_11072013
Collection Date: 11/7/2013 0751h
Received Date: 11/8/2013 1005h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/9/2013 1343h	E300.0	5.00	**35.9**	
Nitrate/Nitrite (as N)	mg/L		11/13/2013 1957h	E353.2	0.100	**1.24**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-009C
Client Sample ID: TW4-31_11072013
Collection Date: 11/7/2013 0758h
Received Date: 11/8/2013 1005h

Test Code: 8260-W

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

Analyzed: 11/8/2013 1739h
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	54.6	50.00	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.8	50.00	108	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.7	50.00	103	80-124	
Surr: Toluene-d8	2037-26-5	53.4	50.00	107	77-129	

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Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-009
Client Sample ID: TW4-31_11072013
Collection Date: 11/7/2013 0758h
Received Date: 11/8/2013 1005h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/9/2013 1406h	E300.0	5.00	**28.0**	
Nitrate/Nitrite (as N)	mg/L		11/13/2013 1959h	E353.2	0.100	**1.33**	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-011C
Client Sample ID: TW4-32_11142013
Collection Date: 11/14/2013 0842h
Received Date: 11/15/2013 0850h

Test Code: 8260-W

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

Analyzed: 11/18/2013 0927h
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	60.3	50.00	121	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.0	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.2	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	47.9	50.00	95.9	77-129	

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-011
Client Sample ID: TW4-32_11142013
Collection Date: 11/14/2013 0842h
Received Date: 11/15/2013 0850h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/22/2013 1006h	E300.0	5.00	**52.1**	
Nitrate/Nitrite (as N)	mg/L		11/15/2013 1745h	E353.2	1.00	**4.26**	

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American West
ANALYTICAL LABORATORIES

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-012C
Client Sample ID: TW4-33_11142013
Collection Date: 11/14/2013 0849h
Received Date: 11/15/2013 0850h
Test Code: 8260-W

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

Analyzed: 11/15/2013 1926h
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	**126**	
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	60.0	50.00	120	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.5	50.00	93.0	80-128	
Surr: Dibromofluoromethane	1868-53-7	55.6	50.00	111	80-124	
Surr: Toluene-d8	2037-26-5	46.4	50.00	92.9	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-012
Client Sample ID: TW4-33_11142013
Collection Date: 11/14/2013 0849h
Received Date: 11/15/2013 0850h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/22/2013 1143h	E300.0	5.00	**47.2**	
Nitrate/Nitrite (as N)	mg/L		11/15/2013 1732h	E353.2	0.100	**1.82**	

463 West 3600 South
Salt Lake City, UT 84115

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American West
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Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-013C
Client Sample ID: TW4-34_11142013
Collection Date: 11/14/2013 0856h
Received Date: 11/15/2013 0850h
Test Code: 8260-W

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

Analyzed: 11/15/2013 1945h
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	56.9	50.00	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	45.3	50.00	90.6	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.7	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	44.2	50.00	88.3	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-013
Client Sample ID: TW4-34_11142013
Collection Date: 11/14/2013 0856h
Received Date: 11/15/2013 0850h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/22/2013 1208h	E300.0	5.00	**19.2**	
Nitrate/Nitrite (as N)	mg/L		11/15/2013 1734h	E353.2	0.100	**1.64**	

463 West 3600 South
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-014C
Client Sample ID: TW4-60_11142013
Collection Date: 11/14/2013 0700h
Received Date: 11/15/2013 0850h

Test Code: 8260-W

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

Analyzed: 11/15/2013 2005h
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	60.5	50.00	121	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.5	50.00	96.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.3	50.00	109	80-124	
Surr: Toluene-d8	2037-26-5	46.7	50.00	93.4	77-129	

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Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-014
Client Sample ID: TW4-60_11142013
Collection Date: 11/14/2013 0700h
Received Date: 11/15/2013 0850h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/22/2013 1232h	E300.0	1.00	< 1.00	
Nitrate/Nitrite (as N)	mg/L		11/15/2013 1735h	E353.2	0.100	< 0.100	

463 West 3600 South
Salt Lake City, UT 84115

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-010C
Client Sample ID: TW4-65_10292013
Collection Date: 10/29/2013 **1330h**
Received Date: 10/31/2013 **0935h** **Test Code:** 8260-W

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

Analyzed: 10/31/2013 1809h
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	53.5	50.00	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.9	50.00	93.7	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.6	50.00	103	80-124	
Surr: Toluene-d8	2037-26-5	48.6	50.00	97.2	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-010
Client Sample ID: TW4-65_10292013
Collection Date: 10/29/2013 **1330h**
Received Date: 10/31/2013 **0935h**

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/5/2013 1609h	E300.0	5.00	**33.3**	
Nitrate/Nitrite (as N)	mg/L		11/5/2013 2054h	E353.2	0.100	< 0.100	

463 West 3600 South
Salt Lake City, UT 84115

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ANALYTICAL LABORATORIES

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-015C
Client Sample ID: TW4-70_11072013
Collection Date: 11/7/2013 0823h
Received Date: 11/8/2013 1005h

Test Code: 8260-W

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

Analyzed: 11/8/2013 1931h
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	**13.1**	
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	50.7	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.0	50.00	100	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.2	50.00	96.3	80-124	
Surr: Toluene-d8	2037-26-5	49.3	50.00	98.5	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-015
Client Sample ID: TW4-70_11072013
Collection Date: 11/7/2013 0823h
Received Date: 11/8/2013 1005h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/13/2013 0322h	E300.0	10.0	**56.5**	
Nitrate/Nitrite (as N)	mg/L		11/13/2013 2013h	E353.2	0.100	**1.35**	

463 West 3600 South
Salt Lake City, UT 84115

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Kyle F. Gross
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Jose Rocha
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American West
ANALYTICAL LABORATORIES

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Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311161-016A
Client Sample ID: Trip Blank
Collection Date: 11/5/2013
Received Date: 11/8/2013 1005h

Test Code: 8260-W

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

Analyzed: 11/8/2013 1950h
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	54.8	50.00	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.0	50.00	106	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.7	50.00	103	80-124	
Surr: Toluene-d8	2037-26-5	52.4	50.00	105	77-129	

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ANALYTICAL LABORATORIES

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Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1310621-011A
Client Sample ID: Trip Blank
Collection Date: 10/29/2013
Received Date: 10/31/2013 0935h **Test Code:** 8260-W

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

Analyzed: 10/31/2013 1204h
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	52.9	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.0	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.4	50.00	107	80-124	
Surr: Toluene-d8	2037-26-5	50.4	50.00	101	77-129	

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Sample ID: 1311306-016A
Client Sample ID: Trip Blank
Collection Date: 11/12/2013
Received Date: 11/15/2013 0850h Test Code: 8260-W

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

Analyzed: 11/15/2013 2043h
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	60.0	50.00	120	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.5	50.00	96.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.2	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	46.9	50.00	93.8	77-129	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 4th Quarter Chloroform 2013

Dear Garrin Palmer: Lab Set ID: 1311161

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories received 16 sample(s) on 11/8/2013 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: 2013.11.19 15:00:25 -07'00'

Laboratory Director or designee

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Set ID: 1311161
Date Received: 11/8/2013 1005h

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1311161-001A	TW4-03R_11052013	11/5/2013 0644h	Aqueous	Anions, E300.0
1311161-001B	TW4-03R_11052013	11/5/2013 0644h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311161-001C	TW4-03R_11052013	11/5/2013 0644h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311161-002A	TW4-03_11062013	11/6/2013 0712h	Aqueous	Anions, E300.0
1311161-002B	TW4-03_11062013	11/6/2013 0712h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311161-002C	TW4-03_11062013	11/6/2013 0712h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311161-003A	TW4-12_11062013	11/6/2013 0725h	Aqueous	Anions, E300.0
1311161-003B	TW4-12_11062013	11/6/2013 0725h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311161-003C	TW4-12_11062013	11/6/2013 0725h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311161-004A	TW4-13_11062013	11/6/2013 0732h	Aqueous	Anions, E300.0
1311161-004B	TW4-13_11062013	11/6/2013 0732h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311161-004C	TW4-13_11062013	11/6/2013 0732h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311161-005A	TW4-14_11062013	11/6/2013 0738h	Aqueous	Anions, E300.0
1311161-005B	TW4-14_11062013	11/6/2013 0738h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311161-005C	TW4-14_11062013	11/6/2013 0738h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311161-006A	TW4-27_11062013	11/6/2013 0746h	Aqueous	Anions, E300.0
1311161-006B	TW4-27_11062013	11/6/2013 0746h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311161-006C	TW4-27_11062013	11/6/2013 0746h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311161-007A	TW4-28_11062013	11/6/2013 0753h	Aqueous	Anions, E300.0
1311161-007B	TW4-28_11062013	11/6/2013 0753h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311161-007C	TW4-28_11062013	11/6/2013 0753h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311161-008A	TW4-30_11072013	11/7/2013 0751h	Aqueous	Anions, E300.0
1311161-008B	TW4-30_11072013	11/7/2013 0751h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311161-008C	TW4-30_11072013	11/7/2013 0751h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311161-009A	TW4-31_11072013	11/7/2013 0758h	Aqueous	Anions, E300.0
1311161-009B	TW4-31_11072013	11/7/2013 0758h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311161-009C	TW4-31_11072013	11/7/2013 0758h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311161-010A	TW4-23_11072013	11/7/2013 0806h	Aqueous	Anions, E300.0
1311161-010B	TW4-23_11072013	11/7/2013 0806h	Aqueous	Nitrite/Nitrate (as N), E353.2

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Set ID: 1311161
Date Received: 11/8/2013 1005h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1311161-010C	TW4-23_11072013	11/7/2013	0806h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311161-011A	TW4-08_11072013	11/7/2013	0813h	Aqueous	Anions, E300.0
1311161-011B	TW4-08_11072013	11/7/2013	0813h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311161-011C	TW4-08_11072013	11/7/2013	0813h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311161-012A	TW4-09_11072013	11/7/2013	0817h	Aqueous	Anions, E300.0
1311161-012B	TW4-09_11072013	11/7/2013	0817h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311161-012C	TW4-09_11072013	11/7/2013	0817h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311161-013A	TW4-16_11072013	11/7/2013	0823h	Aqueous	Anions, E300.0
1311161-013B	TW4-16_11072013	11/7/2013	0823h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311161-013C	TW4-16_11072013	11/7/2013	0823h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311161-014A	TW4-26_11072013	11/7/2013	0834h	Aqueous	Anions, E300.0
1311161-014B	TW4-26_11072013	11/7/2013	0834h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311161-014C	TW4-26_11072013	11/7/2013	0834h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311161-015A	TW4-70_11072013	11/7/2013	0823h	Aqueous	Anions, E300.0
1311161-015B	TW4-70_11072013	11/7/2013	0823h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311161-015C	TW4-70_11072013	11/7/2013	0823h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311161-016A	Trip Blank	11/5/2013		Aqueous	VOA by GC/MS Method 8260C/5030C

American West
ANALYTICAL LABORATORIES

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Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Chloroform 2013
Lab Set ID:	1311161

Sample Receipt Information:

Date of Receipt:	11/8/2013
Date(s) of Collection:	11/5, 11/6, & 11/7/2013
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.

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Chloroform 2013
Lab Set ID:	1311161

Sample Receipt Information:

Date of Receipt:	11/8/2013
Date(s) of Collection:	11/5, 11/6, & 11/7/2013
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.

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

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311161
Project: 4th 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-R61441 Date Analyzed: 11/09/2013 0640h													
Test Code: 300.0-W													
Chloride	4.79	mg/L	E300.0	0.0114	0.100	5.000	0	95.9	90 - 110				
Lab Sample ID: LCS-R61510 Date Analyzed: 11/11/2013 1324h													
Test Code: 300.0-W													
Chloride	4.95	mg/L	E300.0	0.0114	0.100	5.000	0	99.1	90 - 110				
Lab Sample ID: LCS-R61627 Date Analyzed: 11/13/2013 0108h													
Test Code: 300.0-W													
Chloride	4.71	mg/L	E300.0	0.0114	0.100	5.000	0	94.2	90 - 110				
Lab Sample ID: LCS-R61602 Date Analyzed: 11/13/2013 1939h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.04	mg/L	E353.2	0.00252	0.100	1.000	0	104	90 - 110				

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311161
Project: 4th 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-R61441 Date Analyzed: 11/09/2013 0618h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								
Lab Sample ID: MB-R61510 Date Analyzed: 11/11/2013 1302h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								
Lab Sample ID: MB-R61627 Date Analyzed: 11/13/2013 0045h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								
Lab Sample ID: MB-R61602 Date Analyzed: 11/13/2013 1938h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.100	mg/L	E353.2	0.00252	0.100								

463 West 3600 South
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311161
Project: 4th 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: 1311161-001AMS Date Analyzed: 11/09/2013 0938h													
Test Code: 300.0-W													
Chloride	4.99	mg/L	E300.0	0.0114	0.100	5.000	0	99.9	90 - 110				
Lab Sample ID: 1311161-011AMS Date Analyzed: 11/11/2013 1408h													
Test Code: 300.0-W													
Chloride	518	mg/L	E300.0	1.14	10.0	500.0	46.1	94.3	90 - 110				
Lab Sample ID: 1311161-012AMS Date Analyzed: 11/13/2013 0152h													
Test Code: 300.0-W													
Chloride	265	mg/L	E300.0	0.570	5.00	250.0	23.6	96.6	90 - 110				
Lab Sample ID: 1311161-001BMS Date Analyzed: 11/13/2013 1949h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.998	mg/L	E353.2	0.00252	0.100	1.000	0	99.8	90 - 110				
Lab Sample ID: 1311161-011BMS Date Analyzed: 11/13/2013 2007h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.02	mg/L	E353.2	0.00252	0.100	1.000	0.026	99.3	90 - 110				

American West
ANALYTICAL LABORATORIES

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

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311161
Project: 4th 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: 1311161-001AMSD Date Analyzed: 11/09/2013 1107h Test Code: 300.0-W													
Chloride	5.08	mg/L	E300.0	0.0114	0.100	5.000	0	102	90 - 110	4.99	1.65	20	
Lab Sample ID: 1311161-011AMSD Date Analyzed: 11/11/2013 1431h Test Code: 300.0-W													
Chloride	527	mg/L	E300.0	1.14	10.0	500.0	46.1	96.2	90 - 110	518	1.78	20	
Lab Sample ID: 1311161-012AMSD Date Analyzed: 11/13/2013 0215h Test Code: 300.0-W													
Chloride	266	mg/L	E300.0	0.570	5.00	250.0	23.6	97.0	90 - 110	265	0.371	20	
Lab Sample ID: 1311161-001BMSD Date Analyzed: 11/13/2013 1950h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.987	mg/L	E353.2	0.00252	0.100	1.000	0	98.7	90 - 110	0.998	1.08	10	
Lab Sample ID: 1311161-011BMSD Date Analyzed: 11/13/2013 2008h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.06	mg/L	E353.2	0.00252	0.100	1.000	0.026	104	90 - 110	1.02	4.39	10	

463 West 3600 South
Salt Lake City, UT 84115
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311161
Project: 4th 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 110813A Date Analyzed: 11/08/2013 1337h													
Test Code: 8260-W													
Chloroform	18.7	µg/L	SW8260C	0.277	2.00	20.00	0	93.5	67 - 132				
Methylene chloride	19.0	µg/L	SW8260C	0.155	2.00	20.00	0	95.2	32 - 185				
Surr: 1,2-Dichloroethane-d4	50.5	µg/L	SW8260C			50.00		101	76 - 138				
Surr: 4-Bromofluorobenzene	48.7	µg/L	SW8260C			50.00		97.4	77 - 121				
Surr: Dibromofluoromethane	49.8	µg/L	SW8260C			50.00		99.6	67 - 128				
Surr: Toluene-d8	50.3	µg/L	SW8260C			50.00		101	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: 1311161
Project: 4th 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 110813A Date Analyzed: 11/08/2013 1414h													
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	53.6	µg/L	SW8260C			50.00		107	76 - 138				
Surr: 4-Bromofluorobenzene	53.4	µg/L	SW8260C			50.00		107	77 - 121				
Surr: Dibromofluoromethane	51.3	µg/L	SW8260C			50.00		103	67 - 128				
Surr: Toluene-d8	52.2	µg/L	SW8260C			50.00		104	81 - 135				

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Kyle F. Gross
Laboratory Director

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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311161
Project: 4th 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: 1311161-001CMS Date Analyzed: 11/08/2013 1529h													
Test Code: 8260-W													
Chloroform	19.9	µg/L	SW8260C	0.277	2.00	20.00	0	99.7	50 - 146				
Methylene chloride	20.1	µg/L	SW8260C	0.155	2.00	20.00	0	100	30 - 192				
Surr: 1,2-Dichloroethane-d4	50.7	µg/L	SW8260C			50.00		101	72 - 151				
Surr: 4-Bromofluorobenzene	52.6	µg/L	SW8260C			50.00		105	80 - 128				
Surr: Dibromofluoromethane	50.2	µg/L	SW8260C			50.00		100	80 - 124				
Surr: Toluene-d8	50.3	µg/L	SW8260C			50.00		101	77 - 129				

American West
ANALYTICAL LABORATORIES

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

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311161
Project: 4th 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: 1311161-001CMSD Date Analyzed: 11/08/2013 1547h													
Test Code: 8260-W													
Chloroform	20.4	µg/L	SW8260C	0.277	2.00	20.00	0	102	50 - 146	19.9	2.13	25	
Methylene chloride	20.2	µg/L	SW8260C	0.155	2.00	20.00	0	101	30 - 192	20.1	0.447	25	
Surr: 1,2-Dichloroethane-d4	52.1	µg/L	SW8260C			50.00		104	72 - 151				
Surr: 4-Bromofluorobenzene	51.7	µg/L	SW8260C			50.00		103	80 - 128				
Surr: Dibromofluoromethane	51.1	µg/L	SW8260C			50.00		102	80 - 124				
Surr: Toluene-d8	49.7	µg/L	SW8260C			50.00		99.4	77 - 129				

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1311161**

Client: Energy Fuels Resources, Inc. Due Date: 11/19/2013

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **4th 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	
1311161-001A	**TW4-03R_11052013**	11/5/2013 0644h	11/8/2013 1005h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1311161-001B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1311161-001C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1311161-002A	**TW4-03_11062013**	11/6/2013 0712h	11/8/2013 1005h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1311161-002B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1311161-002C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1311161-003A	**TW4-12_11062013**	11/6/2013 0725h	11/8/2013 1005h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1311161-003B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1311161-003C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1311161-004A	**TW4-13_11062013**	11/6/2013 0732h	11/8/2013 1005h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1311161-004B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1311161-004C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1311161-005A	**TW4-14_11062013**	11/6/2013 0738h	11/8/2013 1005h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1311161-005B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1311161-005C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1311161-006A	**TW4-27_11062013**	11/6/2013 0746h	11/8/2013 1005h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1

Printed: 11/8/2013 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☑ RT ☑ CN ☑ TAT ☑ QC ☑ HOK_____ HOK_____ HOK_____ COC Emailed 11/8/13 el

WORK ORDER Summary

Work Order: **1311161**

Client: Energy Fuels Resources, Inc.

Due Date: 11/19/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1311161-006B	**TW4-27_11062013**	11/6/2013 0746h	11/8/2013 1005h	**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*	Aqueous	☑	df - no2/no3	1
1311161-006C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1311161-007A	**TW4-28_11062013**	11/6/2013 0753h	11/8/2013 1005h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1311161-007B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1311161-007C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1311161-008A	**TW4-30_11072013**	11/7/2013 0751h	11/8/2013 1005h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1311161-008B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1311161-008C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1311161-009A	**TW4-31_11072013**	11/7/2013 0758h	11/8/2013 1005h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1311161-009B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1311161-009C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1311161-010A	**TW4-23_11072013**	11/7/2013 0806h	11/8/2013 1005h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1311161-010B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1311161-010C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1311161-011A	**TW4-08_11072013**	11/7/2013 0813h	11/8/2013 1005h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1311161-011B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1311161-011C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1311161-012A	**TW4-09_11072013**	11/7/2013 0817h	11/8/2013 1005h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1311161-012B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1311161-012C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3

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WORK ORDER Summary

Work Order: **1311161**

Client: Energy Fuels Resources, Inc. Due Date: 11/19/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1311161-013A	**TW4-16_11072013**	11/7/2013 0823h	11/8/2013 1005h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311161-013B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311161-013C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311161-014A	**TW4-26_11072013**	11/7/2013 0834h	11/8/2013 1005h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311161-014B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311161-014C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311161-015A	**TW4-70_11072013**	11/7/2013 0823h	11/8/2013 1005h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311161-015B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311161-015C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311161-016A	**Trip Blank**	11/5/2013	11/8/2013 1005h	**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.

1311161
AWAL LAB SAMPLE SET #
PAGE 1 OF 2

QC LEVEL:	TURN AROUND TIME:	UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE.	DUE DATE:
3	STANDARD		

CLIENT: Energy Fuels Resources, Inc.
ADDRESS: 6425 S. Hwy. 191
Blanding, UT 84511
CONTACT: Garrin Palmer
PHONE #: (435) 678-2221 CELL #:
EMAIL: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
PROJECT NAME: 4th Quarter Chloroform 2013
PROJECT #:
PO #:
SAMPLER NAME: Tanner Holliday

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	TW4-03R_11052013	11/05/13	644	5	W	X	X	X	
2	TW4-03_11062013	11/06/13	712	5	W	X	X	X	
3	TW4-12_11062013	11/06/13	725	5	W	X	X	X	
4	TW4-13_11062013	11/06/13	732	5	W	X	X	X	
5	TW4-14_11062013	11/06/13	738	5	W	X	X	X	
6	TW4-27_11062013	11/06/13	746	5	W	X	X	X	
7	TW4-28_11062013	11/06/13	753	5	W	X	X	X	
8	TW4-30_11072013	11/07/13	751	5	W	X	X	X	
9	TW4-31_11072013	11/07/13	758	5	W	X	X	X	
10	TW4-23_11072013	11/07/13	806	5	W	X	X	X	
	TW4-08_11072013	11/07/13	813	5	W	X	X	X	
11	TW4-09_11072013	11/07/13	817	5	W	X	X	X	
12	TW4-16_11072013	11/07/13	823	5	W	X	X	X	

LABORATORY USE ONLY

SAMPLES WERE: FedEx
1 SHIPPED OR HAND DELIVERED
2 AMBIENT OR CHILLED
3 TEMPERATURE 4.0 °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:	TIME:	RECEIVED BY: SIGNATURE	DATE:	TIME:
Tanner Holliday	11/07/13	1100			
PRINT NAME: Tanner Holliday			PRINT NAME:		
RELINQUISHED BY: SIGNATURE	DATE:	TIME:	RECEIVED BY: SIGNATURE	DATE: 11-8-13	TIME: 1505
PRINT NAME:			PRINT NAME: Elena Hayes		
RELINQUISHED BY: SIGNATURE	DATE:	TIME:	RECEIVED BY: SIGNATURE	DATE:	TIME:
PRINT NAME:			PRINT NAME:		
RELINQUISHED BY: SIGNATURE	DATE:	TIME:	RECEIVED BY: SIGNATURE	DATE:	TIME:
PRINT NAME:			PRINT NAME:		

SPECIAL INSTRUCTIONS:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

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463 W. 3600 S. SALT LAKE CITY, UT 84115
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CHAIN OF CUSTODY

ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION.

1311161
AWAL LAB SAMPLE SET #
PAGE 2 OF 2

QC LEVEL:	TURN AROUND TIME:	UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE.	DUE DATE:
3	STANDARD		

CLIENT: Energy Fuels Resources, Inc.
ADDRESS: 6425 S. Hwy. 191
Blanding, UT 84511
CONTACT: Garrin Palmer
PHONE #: (435) 678-2221 CELL #:
EMAIL: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
PROJECT NAME: 4th Quarter Chloroform 2013
PROJECT #:
PO #:
SAMPLER NAME: Tanner Holliday

	SAMPLE ID:	DATE SAMPLED	TIME SAMPLED	# OF CONTAINERS	SAMPLE MATRIX	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)
1	TW4-26_11072013	11/7/2013	834	5	W	X	X	X
2	TW4-70_11072013	11/7/2013	823	5	W	X	X	X
3	TRIP BLANK	11/5/2013						X
4	TEMP BLANK							
5								
6								
7								
8								
9								
10								
11								
12								

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

LABORATORY USE ONLY

SAMPLES WERE: Fed X
1 SHIPPED OR HAND DELIVERED
2 AMBIENT OR CHILLED
3 TEMPERATURE 4.0 °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: 11/8/13
PRINT NAME:	TIME:	PRINT NAME: Elmer Hyland	TIME: 1005
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: 131161

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			
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			
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved

▲ The Sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference

American West
ANALYTICAL LABORATORIES

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 4th Quarter Chloroform 2013

Dear Garrin Palmer: Lab Set ID: 1310621

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories received 11 sample(s) on 10/31/2013 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: 2013.11.12 14:25:11 -07'00'

Laboratory Director or designee

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Set ID: 1310621
Date Received: 10/31/2013 0935h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1310621-001A	MW-32_10292013	10/29/2013 1330h	Aqueous	Anions, E300.0
1310621-001B	MW-32_10292013	10/29/2013 1330h	Aqueous	Nitrite/Nitrate (as N), E353.2
1310621-001C	MW-32_10292013	10/29/2013 1330h	Aqueous	VOA by GC/MS Method 8260C/5030C
1310621-002A	TW4-25_10292013	10/29/2013 1204h	Aqueous	Anions, E300.0
1310621-002B	TW4-25_10292013	10/29/2013 1204h	Aqueous	Nitrite/Nitrate (as N), E353.2
1310621-002C	TW4-25_10292013	10/29/2013 1204h	Aqueous	VOA by GC/MS Method 8260C/5030C
1310621-003A	TW4-24_10292013	10/29/2013 1220h	Aqueous	Anions, E300.0
1310621-003B	TW4-24_10292013	10/29/2013 1220h	Aqueous	Nitrite/Nitrate (as N), E353.2
1310621-003C	TW4-24_10292013	10/29/2013 1220h	Aqueous	VOA by GC/MS Method 8260C/5030C
1310621-004A	TW4-04_10292013	10/29/2013 1302h	Aqueous	Anions, E300.0
1310621-004B	TW4-04_10292013	10/29/2013 1302h	Aqueous	Nitrite/Nitrate (as N), E353.2
1310621-004C	TW4-04_10292013	10/29/2013 1302h	Aqueous	VOA by GC/MS Method 8260C/5030C
1310621-005A	MW-04_10292013	10/29/2013 1255h	Aqueous	Anions, E300.0
1310621-005B	MW-04_10292013	10/29/2013 1255h	Aqueous	Nitrite/Nitrate (as N), E353.2
1310621-005C	MW-04_10292013	10/29/2013 1255h	Aqueous	VOA by GC/MS Method 8260C/5030C
1310621-006A	MW-26_10292013	10/29/2013 1246h	Aqueous	Anions, E300.0
1310621-006B	MW-26_10292013	10/29/2013 1246h	Aqueous	Nitrite/Nitrate (as N), E353.2
1310621-006C	MW-26_10292013	10/29/2013 1246h	Aqueous	VOA by GC/MS Method 8260C/5030C
1310621-007A	TW4-19_10292013	10/29/2013 1410h	Aqueous	Anions, E300.0
1310621-007B	TW4-19_10292013	10/29/2013 1410h	Aqueous	Nitrite/Nitrate (as N), E353.2
1310621-007C	TW4-19_10292013	10/29/2013 1410h	Aqueous	VOA by GC/MS Method 8260C/5030C
1310621-008A	TW4-22_10292013	10/29/2013 1227h	Aqueous	Anions, E300.0
1310621-008B	TW4-22_10292013	10/29/2013 1227h	Aqueous	Nitrite/Nitrate (as N), E353.2
1310621-008C	TW4-22_10292013	10/29/2013 1227h	Aqueous	VOA by GC/MS Method 8260C/5030C
1310621-009A	TW4-20_10292013	10/29/2013 1240h	Aqueous	Anions, E300.0
1310621-009B	TW4-20_10292013	10/29/2013 1240h	Aqueous	Nitrite/Nitrate (as N), E353.2
1310621-009C	TW4-20_10292013	10/29/2013 1240h	Aqueous	VOA by GC/MS Method 8260C/5030C
1310621-010A	TW4-65_10292013	10/29/2013 1330h	Aqueous	Anions, E300.0
1310621-010B	TW4-65_10292013	10/29/2013 1330h	Aqueous	Nitrite/Nitrate (as N), E353.2

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Set ID: 1310621
Date Received: 10/31/2013 0935h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1310621-010C	TW4-65_10292013	10/29/2013 1330h	Aqueous	VOA by GC/MS Method 8260C/5030C
1310621-011A	Trip Blank	10/29/2013	Aqueous	VOA by GC/MS Method 8260C/5030C

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Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Chloroform 2013
Lab Set ID:	1310621

Sample Receipt Information:

Date of Receipt:	10/31/2013
Date of Collection:	10/29/2013
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:

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

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Chloroform 2013
Lab Set ID:	1310621

Sample Receipt Information:

Date of Receipt:	10/31/2013
Date of Collection:	10/29/2013
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.

463 West 3600 South
Salt Lake City, UT 84115
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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310621
Project: 4th 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-R61122 Date Analyzed: 11/03/2013 0008h													
Test Code: 300.0-W													
Chloride	4.83	mg/L	E300.0	0.0114	0.100	5.000	0	96.7	90 - 110				
Lab Sample ID: LCS-R61202 Date Analyzed: 11/05/2013 1038h													
Test Code: 300.0-W													
Chloride	4.63	mg/L	E300.0	0.0114	0.100	5.000	0	92.6	90 - 110				
Lab Sample ID: LCS-R61213 Date Analyzed: 11/05/2013 2030h													
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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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310621
Project: 4th 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-R61122 Date Analyzed: 11/02/2013 2345h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								
Lab Sample ID: MB-R61202 Date Analyzed: 11/05/2013 1013h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								
Lab Sample ID: MB-R61213 Date Analyzed: 11/05/2013 2029h													
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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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310621
Project: 4th 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: 1310621-001AMS Date Analyzed: 11/03/2013 0630h													
Test Code: 300.0-W													
Chloride	270	mg/L	E300.0	0.570	5.00	250.0	35.7	93.5	90 - 110				
Lab Sample ID: 1310621-001BMS Date Analyzed: 11/05/2013 2040h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.966	mg/L	E353.2	0.00252	0.100	1.000	0	96.6	90 - 110				

463 West 3600 South
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Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310621
Project: 4th 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: 1310621-001AMSD Date Analyzed: 11/03/2013 0653h													
Test Code: 300.0-W													
Chloride	281	mg/L	E300.0	0.570	5.00	250.0	35.7	97.9	90 - 110	270	4.00	20	
Lab Sample ID: 1310621-001BMSD Date Analyzed: 11/05/2013 2041h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.971	mg/L	E353.2	0.00252	0.100	1.000	0	97.1	90 - 110	0.966	0.527	10	

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Salt Lake City, UT 84115
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Laboratory Director

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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310621
Project: 4th 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 103113A Date Analyzed: 10/31/2013 0545h													
Test Code: 8260-W													
Chloroform	22.0	µg/L	SW8260C	0.277	2.00	20.00	0	110	67 - 132				
Methylene chloride	22.3	µg/L	SW8260C	0.155	2.00	20.00	0	112	32 - 185				
Surr: 1,2-Dichloroethane-d4	51.7	µg/L	SW8260C			50.00		103	76 - 138				
Surr: 4-Bromofluorobenzene	48.5	µg/L	SW8260C			50.00		97.0	77 - 121				
Surr: Dibromofluoromethane	53.0	µg/L	SW8260C			50.00		106	67 - 128				
Surr: Toluene-d8	50.3	µg/L	SW8260C			50.00		101	81 - 135				
Lab Sample ID: LCS VOC 103113B Date Analyzed: 10/31/2013 1712h													
Test Code: 8260-W													
Chloroform	22.2	µg/L	SW8260C	0.277	2.00	20.00	0	111	67 - 132				
Methylene chloride	22.4	µg/L	SW8260C	0.155	2.00	20.00	0	112	32 - 185				
Surr: 1,2-Dichloroethane-d4	51.4	µg/L	SW8260C			50.00		103	76 - 138				
Surr: 4-Bromofluorobenzene	47.5	µg/L	SW8260C			50.00		94.9	77 - 121				
Surr: Dibromofluoromethane	52.3	µg/L	SW8260C			50.00		105	67 - 128				
Surr: Toluene-d8	50.2	µg/L	SW8260C			50.00		100	81 - 135				
Lab Sample ID: LCS VOC 110113A Date Analyzed: 11/01/2013 0704h													
Test Code: 8260-W													
Chloroform	21.3	µg/L	SW8260C	0.277	2.00	20.00	0	107	67 - 132				
Methylene chloride	22.0	µg/L	SW8260C	0.155	2.00	20.00	0	110	32 - 185				
Surr: 1,2-Dichloroethane-d4	51.5	µg/L	SW8260C			50.00		103	76 - 138				
Surr: 4-Bromofluorobenzene	47.3	µg/L	SW8260C			50.00		94.6	77 - 121				
Surr: Dibromofluoromethane	52.3	µg/L	SW8260C			50.00		105	67 - 128				
Surr: Toluene-d8	49.9	µg/L	SW8260C			50.00		99.8	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: 1310621
Project: 4th 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 103113A Date Analyzed: 10/31/2013 0624h													
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	53.0	µg/L	SW8260C			50.00		106	76 - 138				
Surr: 4-Bromofluorobenzene	47.6	µg/L	SW8260C			50.00		95.2	77 - 121				
Surr: Dibromofluoromethane	52.5	µg/L	SW8260C			50.00		105	67 - 128				
Surr: Toluene-d8	49.0	µg/L	SW8260C			50.00		97.9	81 - 135				
Lab Sample ID: MB VOC 103113B Date Analyzed: 10/31/2013 1750h													
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	52.9	µg/L	SW8260C			50.00		106	76 - 138				
Surr: 4-Bromofluorobenzene	45.7	µg/L	SW8260C			50.00		91.4	77 - 121				
Surr: Dibromofluoromethane	51.9	µg/L	SW8260C			50.00		104	67 - 128				
Surr: Toluene-d8	48.6	µg/L	SW8260C			50.00		97.1	81 - 135				
Lab Sample ID: MB VOC 110113A Date Analyzed: 11/01/2013 0742h													
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	54.1	µg/L	SW8260C			50.00		108	76 - 138				
Surr: 4-Bromofluorobenzene	48.0	µg/L	SW8260C			50.00		95.9	77 - 121				
Surr: Dibromofluoromethane	52.4	µg/L	SW8260C			50.00		105	67 - 128				
Surr: Toluene-d8	49.5	µg/L	SW8260C			50.00		99.0	81 - 135				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310621
Project: 4th 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: 1310621-001CMS Date Analyzed: 10/31/2013 1535h													
Test Code: 8260-W													
Chloroform	23.6	µg/L	SW8260C	0.277	2.00	20.00	0	118	50 - 146				
Methylene chloride	22.0	µg/L	SW8260C	0.155	2.00	20.00	0	110	30 - 192				
Surr: 1,2-Dichloroethane-d4	53.0	µg/L	SW8260C			50.00		106	72 - 151				
Surr: 4-Bromofluorobenzene	45.8	µg/L	SW8260C			50.00		91.5	80 - 128				
Surr: Dibromofluoromethane	53.2	µg/L	SW8260C			50.00		106	80 - 124				
Surr: Toluene-d8	48.3	µg/L	SW8260C			50.00		96.6	77 - 129				
Lab Sample ID: 1310621-004CMS Date Analyzed: 10/31/2013 1848h													
Test Code: 8260-W													
Chloroform	3,580	µg/L	SW8260C	27.7	200	2,000	1360	111	50 - 146				
Methylene chloride	2,280	µg/L	SW8260C	15.5	200	2,000	0	114	30 - 192				
Surr: 1,2-Dichloroethane-d4	5,270	µg/L	SW8260C			5,000		105	72 - 151				
Surr: 4-Bromofluorobenzene	4,580	µg/L	SW8260C			5,000		91.5	80 - 128				
Surr: Dibromofluoromethane	5,240	µg/L	SW8260C			5,000		105	80 - 124				
Surr: Toluene-d8	4,870	µg/L	SW8260C			5,000		97.4	77 - 129				
Lab Sample ID: 1310621-008CMS Date Analyzed: 11/01/2013 0840h													
Test Code: 8260-W													
Chloroform	15,400	µg/L	SW8260C	27.7	200	2,000	13300	103	50 - 146				
Methylene chloride	2,230	µg/L	SW8260C	15.5	200	2,000	0	112	30 - 192				
Surr: 1,2-Dichloroethane-d4	5,270	µg/L	SW8260C			5,000		105	72 - 151				
Surr: 4-Bromofluorobenzene	4,560	µg/L	SW8260C			5,000		91.1	80 - 128				
Surr: Dibromofluoromethane	5,270	µg/L	SW8260C			5,000		105	80 - 124				
Surr: Toluene-d8	4,840	µg/L	SW8260C			5,000		96.8	77 - 129				

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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310621
Project: 4th 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: 1310621-001CMSD Date Analyzed: 10/31/2013 1554h													
Test Code: 8260-W													
Chloroform	19.3	µg/L	SW8260C	0.277	2.00	20.00	0	96.4	50 - 146	23.6	20.0	25	
Methylene chloride	18.9	µg/L	SW8260C	0.155	2.00	20.00	0	94.4	30 - 192	22	15.4	25	
Surr: 1,2-Dichloroethane-d4	53.1	µg/L	SW8260C			50.00		106	72 - 151				
Surr: 4-Bromofluorobenzene	45.8	µg/L	SW8260C			50.00		91.6	80 - 128				
Surr: Dibromofluoromethane	53.4	µg/L	SW8260C			50.00		107	80 - 124				
Surr: Toluene-d8	48.2	µg/L	SW8260C			50.00		96.4	77 - 129				
Lab Sample ID: 1310621-004CMSD Date Analyzed: 10/31/2013 1907h													
Test Code: 8260-W													
Chloroform	3,450	µg/L	SW8260C	27.7	200	2,000	1360	104	50 - 146	3590	3.81	25	
Methylene chloride	2,210	µg/L	SW8260C	15.5	200	2,000	0	111	30 - 192	2280	3.25	25	
Surr: 1,2-Dichloroethane-d4	5,240	µg/L	SW8260C			5,000		105	72 - 151				
Surr: 4-Bromofluorobenzene	4,550	µg/L	SW8260C			5,000		91.0	80 - 128				
Surr: Dibromofluoromethane	5,210	µg/L	SW8260C			5,000		104	80 - 124				
Surr: Toluene-d8	4,860	µg/L	SW8260C			5,000		97.2	77 - 129				
Lab Sample ID: 1310621-008CMSD Date Analyzed: 11/01/2013 0859h													
Test Code: 8260-W													
Chloroform	14,700	µg/L	SW8260C	27.7	200	2,000	13300	69.6	50 - 146	15400	4.39	25	
Methylene chloride	2,200	µg/L	SW8260C	15.5	200	2,000	0	110	30 - 192	2230	1.76	25	
Surr: 1,2-Dichloroethane-d4	5,200	µg/L	SW8260C			5,000		104	72 - 151				
Surr: 4-Bromofluorobenzene	4,590	µg/L	SW8260C			5,000		91.9	80 - 128				
Surr: Dibromofluoromethane	5,240	µg/L	SW8260C			5,000		105	80 - 124				
Surr: Toluene-d8	4,910	µg/L	SW8260C			5,000		98.2	77 - 129				

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1310621**

Client: Energy Fuels Resources, Inc. Due Date: 11/11/2013

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **4th 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	
1310621-001A	**MW-32_10292013**	10/29/2013 1330h	10/31/2013 0935h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1310621-001B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1310621-001C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1310621-002A	**TW4-25_10292013**	10/29/2013 1204h	10/31/2013 0935h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1310621-002B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1310621-002C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1310621-003A	**TW4-24_10292013**	10/29/2013 1220h	10/31/2013 0935h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1310621-003B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1310621-003C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1310621-004A	**TW4-04_10292013**	10/29/2013 1302h	10/31/2013 0935h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1310621-004B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1310621-004C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1310621-005A	**MW-04_10292013**	10/29/2013 1255h	10/31/2013 0935h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1310621-005B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1310621-005C				**8260-W**		☑	VOCFridge	2
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1310621-006A	**MW-26_10292013**	10/29/2013 1246h	10/31/2013 0935h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				

Printed: 11/1/2013 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☑ RT ☑ CN ☑ TAT ☑ QC ☑ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1310621**

Client: Energy Fuels Resources, Inc.

Due Date: 11/11/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1310621-006B	**MW-26_10292013**	10/29/2013 1246h	10/31/2013 0935h	**NO2/NO3-W-353.2**	Aqueous	☑	df - no2/no3	1
				1 SEL Analytes: NO3NO2N				
1310621-006C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1310621-007A	**TW4-19_10292013**	10/29/2013 1410h	10/31/2013 0935h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1310621-007B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1310621-007C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1310621-008A	**TW4-22_10292013**	10/29/2013 1227h	10/31/2013 0935h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1310621-008B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1310621-008C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1310621-009A	**TW4-20_10292013**	10/29/2013 1240h	10/31/2013 0935h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1310621-009B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1310621-009C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1310621-010A	**TW4-65_10292013**	10/29/2013 1330h	10/31/2013 0935h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1310621-010B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1310621-010C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1310621-011A	**Trip Blank**	10/29/2013	10/31/2013 0935h	**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.

1310621
AWAL LAB SAMPLE SET #
PAGE 1 OF 1

QC LEVEL:	TURN AROUND TIME:	UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE.	DUE DATE:
3	STANDARD		

CLIENT: Energy Fuels Resources, Inc.
ADDRESS: 6425 S. Hwy. 191
Blanding, UT 84511
CONTACT: Garrin Palmer
PHONE #: (435) 678-2221 CELL #:
EMAIL: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
PROJECT NAME: 4th quarter chloroform 2013
PROJECT #:
PO #:
SAMPLER NAME: Tanner Holliday

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
MW-32_10292013	10/29/13	1330	5	W	X	X	X	
TW4-25_10292013	10/29/13	1204	5	W	X	X	X	
TW4-24_10292013	10/29/13	1220	5	W	X	X	X	
TW4-04_10292013	10/29/13	1302	5	W	X	X	X	
MW-04_10292013	10/29/13	1255	5	W	X	X	X	one vcc vial received broken
MW-26_10292013	10/29/13	1246	5	W	X	X	X	
TW4-19_10292013	10/29/13	1410	5	W	X	X	X	
TW4-22_10292013	10/29/13	1227	5	W	X	X	X	
TW4-20_10292013	10/29/13	1240	5	W	X	X	X	
TW4-65_10292013	10/29/13	1330	5	W	X	X	X	
Trip Blank	10/29/13		3	W			X	
Temp Blank			1	W				

LABORATORY USE ONLY

SAMPLES WERE: UPS
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

#5 - one vcc vial broken

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:	TIME:	RECEIVED BY: SIGNATURE	DATE:	TIME:
PRINT NAME: Tanner Holliday	10/30/13	1200	PRINT NAME:		
RELINQUISHED BY: SIGNATURE	DATE:	TIME:	RECEIVED BY: SIGNATURE	DATE:	TIME:
PRINT NAME:			PRINT NAME:		
RELINQUISHED BY: SIGNATURE	DATE:	TIME:	RECEIVED BY: SIGNATURE	DATE:	TIME:
PRINT NAME:			PRINT NAME:		
RELINQUISHED BY: SIGNATURE	DATE:	TIME:	RECEIVED BY: SIGNATURE Denise Brown	DATE: 10/31/13	TIME: 9:35
PRINT NAME:			PRINT NAME: Denise Brown		

10/30/13

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: 1310621

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	-001	-002	-003	-004	-005	-006	-007	-008	-009	-010								
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								
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

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 4th Quarter Chloroform 2013

Dear Garrin Palmer: Lab Set ID: 1311306

American West Analytical Laboratories received 16 sample(s) on 11/15/2013 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.

This is a revision to a report originally issued 11/26/2013. Pages 1-3, 20, and 35 have been updated.

Thank You,

Approved by: Kyle F. Gross Digitally signed by Kyle F. Gross DN: cn=Kyle F. Gross, o=AWAL, ou=AWAL-Laboratory Director, email=kyle@awal-labs.com, c=US Date: 2013.12.04 15:10:27 -07'00'

Laboratory Director or designee

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Set ID: 1311306
Date Received: 11/15/2013 0850h

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1311306-001A	TW4-06_11132013	11/13/2013 0700h	Aqueous	Anions, E300.0
1311306-001B	TW4-06_11132013	11/13/2013 0700h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311306-001C	TW4-06_11132013	11/13/2013 0700h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311306-002A	TW4-05_11132013	11/13/2013 0708h	Aqueous	Anions, E300.0
1311306-002B	TW4-05_11132013	11/13/2013 0708h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311306-002C	TW4-05_11132013	11/13/2013 0708h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311306-003A	TW4-18_11132013	11/13/2013 0718h	Aqueous	Anions, E300.0
1311306-003B	TW4-18_11132013	11/13/2013 0718h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311306-003C	TW4-18_11132013	11/13/2013 0718h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311306-004A	TW4-21_11132013	11/13/2013 0723h	Aqueous	Anions, E300.0
1311306-004B	TW4-21_11132013	11/13/2013 0723h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311306-004C	TW4-21_11132013	11/13/2013 0723h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311306-005A	TW4-29_11132013	11/13/2013 0737h	Aqueous	Anions, E300.0
1311306-005B	TW4-29_11132013	11/13/2013 0737h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311306-005C	TW4-29_11132013	11/13/2013 0737h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311306-006A	TW4-11_11132013	11/13/2013 0745h	Aqueous	Anions, E300.0
1311306-006B	TW4-11_11132013	11/13/2013 0745h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311306-006C	TW4-11_11132013	11/13/2013 0745h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311306-007A	TW4-07_11142013	11/14/2013 0813h	Aqueous	Anions, E300.0
1311306-007B	TW4-07_11142013	11/14/2013 0813h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311306-007C	TW4-07_11142013	11/14/2013 0813h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311306-008A	TW4-10_11142013	11/14/2013 0820h	Aqueous	Anions, E300.0
1311306-008B	TW4-10_11142013	11/14/2013 0820h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311306-008C	TW4-10_11142013	11/14/2013 0820h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311306-009A	TW4-01_11142013	11/14/2013 0828h	Aqueous	Anions, E300.0
1311306-009B	TW4-01_11142013	11/14/2013 0828h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311306-009C	TW4-01_11142013	11/14/2013 0828h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311306-010A	TW4-02_11142013	11/14/2013 0833h	Aqueous	Anions, E300.0
1311306-010B	TW4-02_11142013	11/14/2013 0833h	Aqueous	Nitrite/Nitrate (as N), E353.2

American West
ANALYTICAL LABORATORIES

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2013
Lab Set ID: 1311306
Date Received: 11/15/2013 0850h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1311306-010C	TW4-02_11142013	11/14/2013 0833h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311306-011A	TW4-32_11142013	11/14/2013 0842h	Aqueous	Anions, E300.0
1311306-011B	TW4-32_11142013	11/14/2013 0842h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311306-011C	TW4-32_11142013	11/14/2013 0842h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311306-012A	TW4-33_11142013	11/14/2013 0849h	Aqueous	Anions, E300.0
1311306-012B	TW4-33_11142013	11/14/2013 0849h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311306-012C	TW4-33_11142013	11/14/2013 0849h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311306-013A	TW4-34_11142013	11/14/2013 0856h	Aqueous	Anions, E300.0
1311306-013B	TW4-34_11142013	11/14/2013 0856h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311306-013C	TW4-34_11142013	11/14/2013 0856h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311306-014A	TW4-60_11142013	11/14/2013 0700h	Aqueous	Anions, E300.0
1311306-014B	TW4-60_11142013	11/14/2013 0700h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311306-014C	TW4-60_11142013	11/14/2013 0700h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311306-015A	TW4-18R_11122013 *	11/12/2013 0827h	Aqueous	Anions, E300.0
1311306-015B	TW4-18R_11122013 *	11/12/2013 0827h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311306-015C	TW4-18R_11122013 *	11/12/2013 0827h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311306-016A	Trip Blank	11/12/2013	Aqueous	VOA by GC/MS Method 8260C/5030C

** - Reissue of a previously generated report. The Client Sample ID has been updated. Information herein supersedes that of previously issued reports.*

Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Chloroform 2013
Lab Set ID:	1311306

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	11/15/2013
Date(s) of Collection:	11/12, 11/13, & 11/14/2013
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 percent recoveries were outside of control limits on nitrate/nitrite for samples 1311306-001B and -007B due to sample matrix interference.

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Chloroform 2013
Lab Set ID:	1311306

Sample Receipt Information:

Date of Receipt:	11/15/2013
Date(s) of Collection:	11/12, 11/13, & 11/14/2013
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.

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

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311306
Project: 4th Quarter Chloroform 2013

Contact: Garrin Palmer
Dept: WC
QC Type: DUP

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1311161-013BDUP Date Analyzed: 11/15/2013 1742h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.33	mg/L	E353.2	0.00252	0.100					1.3	1.94	20	

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

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311306
Project: 4th 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-R61996 Date Analyzed: 11/22/2013 0137h													
Test Code: 300.0-W													
Chloride	4.58	mg/L	E300.0	0.0114	0.100	5.000	0	91.6	90 - 110				
Lab Sample ID: LCS-R61712 Date Analyzed: 11/15/2013 1708h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.978	mg/L	E353.2	0.00252	0.100	1.000	0	97.8	90 - 110				
Lab Sample ID: LCS-R61713 Date Analyzed: 11/15/2013 1851h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.03	mg/L	E353.2	0.00252	0.100	1.000	0	103	90 - 110				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311306
Project: 4th 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-R61998 Date Analyzed: 11/22/2013 0113h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								
Lab Sample ID: MB-R61712 Date Analyzed: 11/15/2013 1706h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.100	mg/L	E353.2	0.00252	0.100								
Lab Sample ID: MB-R61713 Date Analyzed: 11/15/2013 1849h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.100	mg/L	E353.2	0.00252	0.100								

463 West 3600 South
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311306
Project: 4th 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: 1311306-015AMS Date Analyzed: 11/22/2013 0403h Test Code: 300.0-W													
Chloride	4.76	mg/L	E300.0	0.0114	0.100	5.000	0	95.1	90 - 110				
Lab Sample ID: 1311306-001BMS Date Analyzed: 11/15/2013 1717h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	10.4	mg/L	E353.2	0.0252	1.00	10.00	1.52	89.2	90 - 110				1
Lab Sample ID: 1311306-007BMS Date Analyzed: 11/15/2013 1746h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	15.4	mg/L	E353.2	0.0252	1.00	10.00	4.13	113	90 - 110				1
Lab Sample ID: 1311306-015BMS Date Analyzed: 11/15/2013 1853h 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				

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

463 West 3600 South
Salt Lake City, UT 84115
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311306
Project: 4th 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: 1311306-015AMSD Date Analyzed: 11/22/2013 0427h													
Test Code: 300.0-W													
Chloride	4.81	mg/L	E300.0	0.0114	0.100	5.000	0	96.1	90 - 110	4.76	1.07	20	
Lab Sample ID: 1311306-001BMSD Date Analyzed: 11/15/2013 1719h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.3	mg/L	E353.2	0.0252	1.00	10.00	1.52	97.6	90 - 110	10.4	7.77	10	
Lab Sample ID: 1311306-007BMSD Date Analyzed: 11/15/2013 1748h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	15.1	mg/L	E353.2	0.0252	1.00	10.00	4.13	110	90 - 110	15.4	2.29	10	
Lab Sample ID: 1311306-015BMSD Date Analyzed: 11/15/2013 1855h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.03	mg/L	E353.2	0.00252	0.100	1.000	0	103	90 - 110	1.01	1.42	10	

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

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311306
Project: 4th 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 111513B Date Analyzed: 11/15/2013 1419h													
Test Code: 8260-W													
Chloroform	25.0	µg/L	SW8260C	0.277	2.00	20.00	0	125	67 - 132				
Methylene chloride	28.0	µg/L	SW8260C	0.155	2.00	20.00	0	140	32 - 185				
Surr: 1,2-Dichloroethane-d4	55.7	µg/L	SW8260C			50.00		111	76 - 138				
Surr: 4-Bromofluorobenzene	47.8	µg/L	SW8260C			50.00		95.7	77 - 121				
Surr: Dibromofluoromethane	53.1	µg/L	SW8260C			50.00		106	67 - 128				
Surr: Toluene-d8	47.7	µg/L	SW8260C			50.00		95.4	81 - 135				
Lab Sample ID: LCS VOC 111813A Date Analyzed: 11/18/2013 0830h													
Test Code: 8260-W													
Chloroform	24.7	µg/L	SW8260C	0.277	2.00	20.00	0	124	67 - 132				
Methylene chloride	26.8	µg/L	SW8260C	0.155	2.00	20.00	0	134	32 - 185				
Surr: 1,2-Dichloroethane-d4	55.9	µg/L	SW8260C			50.00		112	76 - 138				
Surr: 4-Bromofluorobenzene	50.0	µg/L	SW8260C			50.00		100	77 - 121				
Surr: Dibromofluoromethane	53.3	µg/L	SW8260C			50.00		107	67 - 128				
Surr: Toluene-d8	48.2	µg/L	SW8260C			50.00		96.4	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: 1311306
Project: 4th 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 111513B Date Analyzed: 11/15/2013 1457h													
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	59.1	µg/L	SW8260C			50.00		118	76 - 138				
Surr: 4-Bromofluorobenzene	48.3	µg/L	SW8260C			50.00		96.5	77 - 121				
Surr: Dibromofluoromethane	54.0	µg/L	SW8260C			50.00		108	67 - 128				
Surr: Toluene-d8	47.0	µg/L	SW8260C			50.00		94.0	81 - 135				
Lab Sample ID: MB VOC 111813A Date Analyzed: 11/18/2013 0908h													
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	59.1	µg/L	SW8260C			50.00		118	76 - 138				
Surr: 4-Bromofluorobenzene	50.4	µg/L	SW8260C			50.00		101	77 - 121				
Surr: Dibromofluoromethane	53.9	µg/L	SW8260C			50.00		108	67 - 128				
Surr: Toluene-d8	47.6	µg/L	SW8260C			50.00		95.2	81 - 135				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311306
Project: 4th 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: 1311306-001CMS Date Analyzed: 11/15/2013 1614h													
Test Code: 8260-W													
Chloroform	29.9	µg/L	SW8260C	0.277	2.00	20.00	5.51	122	50 - 146				
Methylene chloride	27.1	µg/L	SW8260C	0.155	2.00	20.00	0	136	30 - 192				
Surr: 1,2-Dichloroethane-d4	60.4	µg/L	SW8260C			50.00		121	72 - 151				
Surr: 4-Bromofluorobenzene	46.6	µg/L	SW8260C			50.00		93.2	80 - 128				
Surr: Dibromofluoromethane	55.3	µg/L	SW8260C			50.00		111	80 - 124				
Surr: Toluene-d8	46.4	µg/L	SW8260C			50.00		92.7	77 - 129				
Lab Sample ID: 1311306-004CMS Date Analyzed: 11/18/2013 1024h													
Test Code: 8260-W													
Chloroform	422	µg/L	SW8260C	2.77	20.0	200.0	204	109	50 - 146				
Methylene chloride	247	µg/L	SW8260C	1.55	20.0	200.0	0	124	30 - 192				
Surr: 1,2-Dichloroethane-d4	528	µg/L	SW8260C			500.0		106	72 - 151				
Surr: 4-Bromofluorobenzene	482	µg/L	SW8260C			500.0		96.4	80 - 128				
Surr: Dibromofluoromethane	514	µg/L	SW8260C			500.0		103	80 - 124				
Surr: Toluene-d8	474	µg/L	SW8260C			500.0		94.7	77 - 129				

463 West 3600 South
Salt Lake City, UT 84115
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311306
Project: 4th 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: 1311306-001CMSD Date Analyzed: 11/15/2013 1633h													
Test Code: 8260-W													
Chloroform	28.0	µg/L	SW8260C	0.277	2.00	20.00	5.51	112	50 - 146	29.9	6.64	25	
Methylene chloride	25.2	µg/L	SW8260C	0.155	2.00	20.00	0	126	30 - 192	27.1	7.38	25	
Surr: 1,2-Dichloroethane-d4	55.7	µg/L	SW8260C			50.00		111	72 - 151				
Surr: 4-Bromofluorobenzene	44.0	µg/L	SW8260C			50.00		87.9	80 - 128				
Surr: Dibromofluoromethane	51.6	µg/L	SW8260C			50.00		103	80 - 124				
Surr: Toluene-d8	44.3	µg/L	SW8260C			50.00		88.6	77 - 129				
Lab Sample ID: 1311306-004CMSD Date Analyzed: 11/18/2013 1044h													
Test Code: 8260-W													
Chloroform	436	µg/L	SW8260C	2.77	20.0	200.0	204	116	50 - 146	423	3.10	25	
Methylene chloride	255	µg/L	SW8260C	1.55	20.0	200.0	0	128	30 - 192	247	3.19	25	
Surr: 1,2-Dichloroethane-d4	525	µg/L	SW8260C			500.0		105	72 - 151				
Surr: 4-Bromofluorobenzene	479	µg/L	SW8260C			500.0		95.8	80 - 128				
Surr: Dibromofluoromethane	513	µg/L	SW8260C			500.0		103	80 - 124				
Surr: Toluene-d8	468	µg/L	SW8260C			500.0		93.6	77 - 129				

American West Analytical Laboratories

REVISED: 12/3/2013

#15 Sample ID corrected -RW

UL
Denison

WORK ORDER Summary

Work Order: **1311306**

Client: Energy Fuels Resources, Inc. Due Date: 11/26/2013

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **4th 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	
1311306-001A	**TW4-06_11132013**	11/13/2013 0700h	11/15/2013 0850h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311306-001B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311306-001C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311306-002A	**TW4-05_11132013**	11/13/2013 0708h	11/15/2013 0850h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311306-002B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311306-002C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311306-003A	**TW4-18_11132013**	11/13/2013 0718h	11/15/2013 0850h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311306-003B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311306-003C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311306-004A	**TW4-21_11132013**	11/13/2013 0723h	11/15/2013 0850h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311306-004B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311306-004C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311306-005A	**TW4-29_11132013**	11/13/2013 0737h	11/15/2013 0850h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311306-005B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311306-005C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				

WORK ORDER Summary

Work Order: **1311306**

Client: Energy Fuels Resources, Inc. Due Date: 11/26/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1311306-006A	**TW4-11_11132013**	11/13/2013 0745h	11/15/2013 0850h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311306-006B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311306-006C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311306-007A	**TW4-07_11142013**	11/14/2013 0813h	11/15/2013 0850h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311306-007B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311306-007C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311306-008A	**TW4-10_11142013**	11/14/2013 0820h	11/15/2013 0850h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311306-008B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311306-008C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311306-009A	**TW4-01_11142013**	11/14/2013 0828h	11/15/2013 0850h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311306-009B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311306-009C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311306-010A	**TW4-02_11142013**	11/14/2013 0833h	11/15/2013 0850h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311306-010B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311306-010C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311306-011A	**TW4-32_11142013**	11/14/2013 0842h	11/15/2013 0850h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311306-011B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311306-011C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311306-012A	**TW4-33_11142013**	11/14/2013 0849h	11/15/2013 0850h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311306-012B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				

WORK ORDER Summary

Work Order: **1311306**

Client: Energy Fuels Resources, Inc. Due Date: 11/26/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1311306-012C	**TW4-33_11142013**	11/14/2013 0849h	11/15/2013 0850h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311306-013A	**TW4-34_11142013**	11/14/2013 0856h	11/15/2013 0850h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311306-013B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311306-013C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311306-014A	**TW4-60_11142013**	11/14/2013 0700h	11/15/2013 0850h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311306-014B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311306-014C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311306-015A	**TW4-18R_11122013**	11/12/2013 0827h	11/15/2013 0850h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1311306-015B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1311306-015C				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4				
1311306-016A	**Trip Blank**	11/12/2013	11/15/2013 0850h	**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.

1311306
AWAL LAB SAMPLE SET #
PAGE 1 OF 2

QC LEVEL:	TURN AROUND TIME:	UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE.	DUE DATE:
3	STANDARD		

CLIENT: Energy Fuels Resources, Inc.
ADDRESS: 6425 S. Hwy. 191
Blanding, UT 84511
CONTACT: Garrin Palmer
PHONE #: (435) 678-2221 CELL #:
EMAIL: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
PROJECT NAME: 4th Quarter Chloroform 2013
PROJECT #:
PO #:
SAMPLER NAME: Tanner Holliday

SAMPLE ID:	DATE SAMPLED	TIME SAMPLED	# OF CONTAINERS	SAMPLE MATRIX	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)
TW4-06_11132013	11/13/13	700	5	W	X	X	X
TW4-05_11132013	11/13/13	708	5	W	X	X	X
TW4-18_11132013	11/13/13	718	5	W	X	X	X
TW4-21_11132013	11/13/13	723	5	W	X	X	X
TW4-29_11132013	11/13/13	737	5	W	X	X	X
TW4-11_11132013	11/13/13	745	5	W	X	X	X
TW4-07_11142013	11/14/13	813	5	W	X	X	X
TW4-10_11142013	11/14/13	820	5	W	X	X	X
TW4-01_11142013	11/14/13	828	5	W	X	X	X
TW4-02_11142013	11/14/13	833	5	W	X	X	X
TW4-32_11142013	11/14/13	842	5	W	X	X	X
TW4-33_11142013	11/14/13	849	5	W	X	X	X
TW4-34_11142013	11/14/13	856	5	W	X	X	X

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

LABORATORY USE ONLY

SAMPLES WERE:
1 SHIPPED OR HAND DELIVERED
2 AMBIENT OR CHILLED
3 TEMPERATURE 4.8 °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 / PRINT NAME	DATE / TIME	RECEIVED BY: SIGNATURE / PRINT NAME	DATE / TIME
Tanner Holliday	11/15/2013 0850	Elaine Hayden	11/15/13 850

SPECIAL INSTRUCTIONS:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

AMERICAN WEST ANALYTICAL LABORATORIES

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PHONE # (801) 263-8686 TOLL FREE # (888) 263-8686
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CHAIN OF CUSTODY

ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION.

13113G
AWAL LAB SAMPLE SET #
PAGE 2 OF 2

QC LEVEL:	TURN AROUND TIME:	UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE.	DUE DATE:
3	STANDARD		

CLIENT: Energy Fuels Resources, Inc.
ADDRESS: 6425 S. Hwy. 191
Blanding, UT 84511
CONTACT: Garrin Palmer
PHONE #: (435) 678-2221 CELL #:
EMAIL: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
PROJECT NAME: 4th Quarter Chloroform 2013
PROJECT #:
PO #:
SAMPLER NAME: 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
TW4-60_11142013	11/14/13	700	5	W	X	X	X	
TW4-18R_11122013	11/12/13	827	5	W	X	X	X	
TRIP BLANK	11/12/13		3	W			X	

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 4.9 °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: 0830	PRINT NAME: Elena Hafen	TIME: 851
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	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: 12/1306

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			
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			
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	--		1878		N/A	7.37		N/A	14.06		N/A	235		N/A	1.8		N/A
TW4-01	29.48	66.00	59	OK	2155	2163	0.37	6.61	6.64	0.45	14.67	14.68	0.07	319	319	0.00	35	36	2.82
TW4-02	35.28	60.50	71	Pumped Dry	3060	3057	0.10	6.30	6.36	0.95	13.76	13.77	0.07	NM		NC	NM		NC
TW4-03	58.14	93.50	116	Pumped Dry	1634	1637	0.18	7.00	7.04	0.57	14.13	14.15	0.14	NM		NC	NM		NC
TW4-04	NA	Continuously pumped well	--		2279		N/A	7.12		N/A	15.21		N/A	236		N/A	5.5		N/A
TW4-05	38.85	99.00	78	OK	1540	1538	0.13	6.81	6.83	0.29	15.15	15.13	0.13	459	459	0.00	449	440	2.02
TW4-06	18.28	21.50	37	Pumped Dry	3905	3903	0.05	6.80	6.77	0.44	14.19	14.22	0.21	NM		NC	NM		NC
TW4-07	35.47	69.50	71	Pumped Dry	1476	1475	0.07	6.09	6.13	0.65	14.69	14.70	0.07	NM		NC	NM		NC
TW4-08	38.98	88.00	78	OK	3345	3340	0.15	7.07	7.08	0.14	14.84	14.84	0.00	202	201	0.50	226	225	0.44
TW4-09	40.46	88.00	81	OK	2388	2389	0.04	6.73	6.71	0.30	14.91	14.91	0.00	304	304	0.00	215	224	4.10
TW4-10	34.43	55.00	69	Pumped Dry	2320	2305	0.65	6.54	6.51	0.46	14.04	14.10	0.43	NM		NC	NM		NC
TW4-11	27.16	66.00	54	OK	1656	1663	0.42	7.14	7.17	0.42	14.49	14.46	0.21	307	307	0.00	8.6	8.4	0.00
TW4-12	38.65	88.00	77	OK	134	140	4.38	7.26	7.26	0.00	14.55	14.56	0.07	267	267	0.00	4.8	4.8	0.00
TW4-13	36.13	55.00	72	Pumped Dry	1714	1720	0.35	7.24	7.15	1.25	13.60	13.71	0.81	NM		NC	NM		NC
TW4-14	5.25	7.00	11	Pumped Dry	4634	4642	0.17	7.24	7.17	0.97	12.45	12.50	0.40	NM		NC	NM		NC
MW-26	NA	Continuously pumped well	--		2588		N/A	6.99		N/A	14.60		N/A	247		N/A	0.00		N/A
TW4-16	52.30	132.00	105	OK	3628	3619	0.25	6.74	6.76	0.30	14.75	14.75	0.00	185	191	3.19	45	46	2.20
MW-32	38.29	78.12	77	OK	3901	3901	0.00	6.63	6.61	0.30	14.18	14.15	0.21	196	196	0.00	51	52	1.94
TW4-18	49.77	121.00	100	OK	1709	1688	1.24	6.73	6.72	0.15	15.72	15.72	0.00	408	408	0.00	605	605	0.00
TW4-19	NA	Continuously pumped well	--		2735		N/A	7.02		N/A	14.58		N/A	191		N/A	0.5		N/A
TW4-20	NA	Continuously pumped well	--		3063		N/A	6.42		N/A	15.15		N/A	244		N/A	2.5		N/A
TW4-21	38.91	99.00	78	OK	3909	3912	0.08	7.05	7.05	0.00	16.08	16.09	0.06	339	339	0.00	3.3	3.3	0.00
TW4-22	NA	Continuously pumped well	--		6383		N/A	6.93		N/A	15.41		N/A	242		N/A	0		N/A
TW4-23	32.09	88.00	64	OK	3708	3710	0.05	6.42	6.43	0.16	14.18	14.19	0.07	238	241	1.25	98	95	3.11
TW4-24	NA	Continuously pumped well	--		8042		N/A	6.85		N/A	15.11		N/A	250		N/A	0		N/A
TW4-25	NA	Continuously pumped well	--		2759		N/A	7.09		N/A	16.55		N/A	269		N/A	0.00		N/A
TW4-26	14.89	19.00	30	Pumped Dry	6424	6430	0.09	4.89	4.88	0.20	12.60	12.65	0.40	NM		NC	NM		NC
TW4-27	9.76	11.11	20	Pumped Dry	5396	5399	0.06	6.90	6.87	0.44	12.82	12.85	0.23	NM		NC	NM		NC
TW4-28	45.72	99.00	91	OK	1144	1140	0.35	7.22	7.23	0.14	14.53	14.53	0.00	263	263	0.00	347	342	1.45
TW4-29	13.83	18.00	28	Pumped Dry	4312	4314	0.05	7.00	6.99	0.14	13.24	13.22	0.15	NM		NC	NM		NC
TW4-30	9.62	14.00	19	Pumped Dry	4454	4450	0.09	6.46	6.40	0.93	15.09	15.05	0.27	NM		NC	NM		NC
TW4-31	14.56	16.50	29	Pumped Dry	4951	4954	0.06	6.60	6.70	1.50	14.08	14.09	0.07	NM		NC	NM		NC
TW4-32	43.51	99.00	87	OK	6888	6893	0.07	4.12	4.13	0.24	14.63	14.64	0.07	451	448	0.67	24	23	4.26
TW4-33	11.33	12.00	23	Pumped Dry	4393	4359	0.78	6.74	6.75	0.15	14.03	14.05	0.14	NM		NC	NM		NC
TW4-34	18.14	27.50	36	Pumped Dry	3901	3907	0.15	6.73	6.74	0.15	14.14	14.12	0.14	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, TW4-31, TW4-33, and TW4-34 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	10/29/2013	10/31/2013	2	14	OK
Trip Blank	Chloroform	10/29/2013	10/31/2013	2	14	OK
Trip Blank	Chloromethane	10/29/2013	10/31/2013	2	14	OK
Trip Blank	Methylene chloride	10/29/2013	10/31/2013	2	14	OK
Trip Blank	Carbon tetrachloride	11/5/2013	11/8/2013	3	14	OK
Trip Blank	Chloroform	11/5/2013	11/8/2013	3	14	OK
Trip Blank	Chloromethane	11/5/2013	11/8/2013	3	14	OK
Trip Blank	Methylene chloride	11/5/2013	11/8/2013	3	14	OK
Trip Blank	Carbon tetrachloride	11/12/2013	11/15/2013	3	14	OK
Trip Blank	Chloroform	11/12/2013	11/15/2013	3	14	OK
Trip Blank	Chloromethane	11/12/2013	11/15/2013	3	14	OK
Trip Blank	Methylene chloride	11/12/2013	11/15/2013	3	14	OK
MW-04	Carbon tetrachloride	10/29/2013	10/31/2013	2	14	OK
MW-04	Chloride	10/29/2013	11/3/2013	5	28	OK
MW-04	Chloroform	10/29/2013	10/31/2013	2	14	OK
MW-04	Chloromethane	10/29/2013	10/31/2013	2	14	OK
MW-04	Methylene chloride	10/29/2013	10/31/2013	2	14	OK
MW-04	Nitrate/Nitrite (as N)	10/29/2013	11/5/2013	7	28	OK
TW4-01	Carbon tetrachloride	11/14/2013	11/15/2013	1	14	OK
TW4-01	Chloride	11/14/2013	11/22/2013	8	28	OK
TW4-01	Chloroform	11/14/2013	11/18/2013	4	14	OK
TW4-01	Chloromethane	11/14/2013	11/15/2013	1	14	OK
TW4-01	Methylene chloride	11/14/2013	11/15/2013	1	14	OK
TW4-01	Nitrate/Nitrite (as N)	11/14/2013	11/15/2013	1	28	OK
TW4-02	Carbon tetrachloride	11/14/2013	11/15/2013	1	14	OK
TW4-02	Chloride	11/14/2013	11/22/2013	8	28	OK
TW4-02	Chloroform	11/14/2013	11/18/2013	4	14	OK
TW4-02	Chloromethane	11/14/2013	11/15/2013	1	14	OK
TW4-02	Methylene chloride	11/14/2013	11/15/2013	1	14	OK
TW4-02	Nitrate/Nitrite (as N)	11/14/2013	11/15/2013	1	28	OK
TW4-03	Carbon tetrachloride	11/6/2013	11/8/2013	2	14	OK
TW4-03	Chloride	11/6/2013	11/9/2013	3	28	OK
TW4-03	Chloroform	11/6/2013	11/8/2013	2	14	OK
TW4-03	Chloromethane	11/6/2013	11/8/2013	2	14	OK
TW4-03	Methylene chloride	11/6/2013	11/8/2013	2	14	OK
TW4-03	Nitrate/Nitrite (as N)	11/6/2013	11/13/2013	7	28	OK
TW4-03R	Carbon tetrachloride	11/5/2013	11/8/2013	3	14	OK
TW4-03R	Chloride	11/5/2013	11/9/2013	4	28	OK
TW4-03R	Chloroform	11/5/2013	11/8/2013	3	14	OK
TW4-03R	Chloromethane	11/5/2013	11/8/2013	3	14	OK
TW4-03R	Methylene chloride	11/5/2013	11/8/2013	3	14	OK
TW4-03R	Nitrate/Nitrite (as N)	11/5/2013	11/13/2013	8	28	OK
TW4-04	Carbon tetrachloride	10/29/2013	10/31/2013	2	14	OK
TW4-04	Chloride	10/29/2013	11/3/2013	5	28	OK
TW4-04	Chloroform	10/29/2013	10/31/2013	2	14	OK
TW4-04	Chloromethane	10/29/2013	10/31/2013	2	14	OK
TW4-04	Methylene chloride	10/29/2013	10/31/2013	2	14	OK
TW4-04	Nitrate/Nitrite (as N)	10/29/2013	11/5/2013	7	28	OK
TW4-05	Carbon tetrachloride	11/13/2013	11/15/2013	2	14	OK
TW4-05	Chloride	11/13/2013	11/22/2013	9	28	OK
TW4-05	Chloroform	11/13/2013	11/15/2013	2	14	OK
TW4-05	Chloromethane	11/13/2013	11/15/2013	2	14	OK
TW4-05	Methylene chloride	11/13/2013	11/15/2013	2	14	OK
TW4-05	Nitrate/Nitrite (as N)	11/13/2013	11/15/2013	2	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
TW4-06	Carbon tetrachloride	11/13/2013	11/15/2013	2	14	OK
TW4-06	Chloride	11/13/2013	11/22/2013	9	28	OK
TW4-06	Chloroform	11/13/2013	11/15/2013	2	14	OK
TW4-06	Chloromethane	11/13/2013	11/15/2013	2	14	OK
TW4-06	Methylene chloride	11/13/2013	11/15/2013	2	14	OK
TW4-06	Nitrate/Nitrite (as N)	11/13/2013	11/15/2013	2	28	OK
TW4-07	Carbon tetrachloride	11/14/2013	11/15/2013	1	14	OK
TW4-07	Chloride	11/14/2013	11/22/2013	8	28	OK
TW4-07	Chloroform	11/14/2013	11/18/2013	4	14	OK
TW4-07	Chloromethane	11/14/2013	11/15/2013	1	14	OK
TW4-07	Methylene chloride	11/14/2013	11/15/2013	1	14	OK
TW4-07	Nitrate/Nitrite (as N)	11/14/2013	11/15/2013	1	28	OK
TW4-08	Carbon tetrachloride	11/7/2013	11/8/2013	1	14	OK
TW4-08	Chloride	11/7/2013	11/11/2013	4	28	OK
TW4-08	Chloroform	11/7/2013	11/8/2013	1	14	OK
TW4-08	Chloromethane	11/7/2013	11/8/2013	1	14	OK
TW4-08	Methylene chloride	11/7/2013	11/8/2013	1	14	OK
TW4-08	Nitrate/Nitrite (as N)	11/7/2013	11/13/2013	6	28	OK
TW4-09	Carbon tetrachloride	11/7/2013	11/8/2013	1	14	OK
TW4-09	Chloride	11/7/2013	11/13/2013	6	28	OK
TW4-09	Chloroform	11/7/2013	11/8/2013	1	14	OK
TW4-09	Chloromethane	11/7/2013	11/8/2013	1	14	OK
TW4-09	Methylene chloride	11/7/2013	11/8/2013	1	14	OK
TW4-09	Nitrate/Nitrite (as N)	11/7/2013	11/13/2013	6	28	OK
TW4-10	Carbon tetrachloride	11/14/2013	11/15/2013	1	14	OK
TW4-10	Chloride	11/14/2013	11/22/2013	8	28	OK
TW4-10	Chloroform	11/14/2013	11/18/2013	4	14	OK
TW4-10	Chloromethane	11/14/2013	11/15/2013	1	14	OK
TW4-10	Methylene chloride	11/14/2013	11/15/2013	1	14	OK
TW4-10	Nitrate/Nitrite (as N)	11/14/2013	11/15/2013	1	28	OK
TW4-11	Carbon tetrachloride	11/13/2013	11/15/2013	2	14	OK
TW4-11	Chloride	11/13/2013	11/22/2013	9	28	OK
TW4-11	Chloroform	11/13/2013	11/18/2013	5	14	OK
TW4-11	Chloromethane	11/13/2013	11/15/2013	2	14	OK
TW4-11	Methylene chloride	11/13/2013	11/15/2013	2	14	OK
TW4-11	Nitrate/Nitrite (as N)	11/13/2013	11/15/2013	2	28	OK
TW4-12	Carbon tetrachloride	11/6/2013	11/8/2013	2	14	OK
TW4-12	Chloride	11/6/2013	11/9/2013	3	28	OK
TW4-12	Chloroform	11/6/2013	11/8/2013	2	14	OK
TW4-12	Chloromethane	11/6/2013	11/8/2013	2	14	OK
TW4-12	Methylene chloride	11/6/2013	11/8/2013	2	14	OK
TW4-12	Nitrate/Nitrite (as N)	11/6/2013	11/13/2013	7	28	OK
TW4-13	Carbon tetrachloride	11/6/2013	11/8/2013	2	14	OK
TW4-13	Chloride	11/6/2013	11/9/2013	3	28	OK
TW4-13	Chloroform	11/6/2013	11/8/2013	2	14	OK
TW4-13	Chloromethane	11/6/2013	11/8/2013	2	14	OK
TW4-13	Methylene chloride	11/6/2013	11/8/2013	2	14	OK
TW4-13	Nitrate/Nitrite (as N)	11/6/2013	11/13/2013	7	28	OK
TW4-14	Carbon tetrachloride	11/6/2013	11/8/2013	2	14	OK
TW4-14	Chloride	11/6/2013	11/9/2013	3	28	OK
TW4-14	Chloroform	11/6/2013	11/8/2013	2	14	OK
TW4-14	Chloromethane	11/6/2013	11/8/2013	2	14	OK
TW4-14	Methylene chloride	11/6/2013	11/8/2013	2	14	OK
TW4-14	Nitrate/Nitrite (as N)	11/6/2013	11/13/2013	7	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
MW-26	Carbon tetrachloride	10/29/2013	10/31/2013	2	14	OK
MW-26	Chloride	10/29/2013	11/3/2013	5	28	OK
MW-26	Chloroform	10/29/2013	10/31/2013	2	14	OK
MW-26	Chloromethane	10/29/2013	10/31/2013	2	14	OK
MW-26	Methylene chloride	10/29/2013	10/31/2013	2	14	OK
MW-26	Nitrate/Nitrite (as N)	10/29/2013	11/5/2013	7	28	OK
TW4-16	Carbon tetrachloride	11/7/2013	11/8/2013	1	14	OK
TW4-16	Chloride	11/7/2013	11/13/2013	6	28	OK
TW4-16	Chloroform	11/7/2013	11/8/2013	1	14	OK
TW4-16	Chloromethane	11/7/2013	11/8/2013	1	14	OK
TW4-16	Methylene chloride	11/7/2013	11/8/2013	1	14	OK
TW4-16	Nitrate/Nitrite (as N)	11/7/2013	11/13/2013	6	28	OK
MW-32	Carbon tetrachloride	10/29/2013	10/31/2013	2	14	OK
MW-32	Chloride	10/29/2013	11/3/2013	5	28	OK
MW-32	Chloroform	10/29/2013	10/31/2013	2	14	OK
MW-32	Chloromethane	10/29/2013	10/31/2013	2	14	OK
MW-32	Methylene chloride	10/29/2013	10/31/2013	2	14	OK
MW-32	Nitrate/Nitrite (as N)	10/29/2013	11/5/2013	7	28	OK
TW4-18	Carbon tetrachloride	11/13/2013	11/15/2013	2	14	OK
TW4-18	Chloride	11/13/2013	11/22/2013	9	28	OK
TW4-18	Chloroform	11/13/2013	11/15/2013	2	14	OK
TW4-18	Chloromethane	11/13/2013	11/15/2013	2	14	OK
TW4-18	Methylene chloride	11/13/2013	11/15/2013	2	14	OK
TW4-18	Nitrate/Nitrite (as N)	11/13/2013	11/15/2013	2	28	OK
TW4-18R	Carbon tetrachloride	11/12/2013	11/15/2013	3	14	OK
TW4-18R	Chloride	11/12/2013	11/22/2013	10	28	OK
TW4-18R	Chloroform	11/12/2013	11/15/2013	3	14	OK
TW4-18R	Chloromethane	11/12/2013	11/15/2013	3	14	OK
TW4-18R	Methylene chloride	11/12/2013	11/15/2013	3	14	OK
TW4-18R	Nitrate/Nitrite (as N)	11/12/2013	11/15/2013	3	28	OK
TW4-19	Carbon tetrachloride	10/29/2013	10/31/2013	2	14	OK
TW4-19	Chloride	10/29/2013	11/3/2013	5	28	OK
TW4-19	Chloroform	10/29/2013	10/31/2013	2	14	OK
TW4-19	Chloromethane	10/29/2013	10/31/2013	2	14	OK
TW4-19	Methylene chloride	10/29/2013	10/31/2013	2	14	OK
TW4-19	Nitrate/Nitrite (as N)	10/29/2013	11/5/2013	7	28	OK
TW4-20	Carbon tetrachloride	10/29/2013	10/31/2013	2	14	OK
TW4-20	Chloride	10/29/2013	11/5/2013	7	28	OK
TW4-20	Chloroform	10/29/2013	11/1/2013	3	14	OK
TW4-20	Chloromethane	10/29/2013	10/31/2013	2	14	OK
TW4-20	Methylene chloride	10/29/2013	10/31/2013	2	14	OK
TW4-20	Nitrate/Nitrite (as N)	10/29/2013	11/5/2013	7	28	OK
TW4-21	Carbon tetrachloride	11/13/2013	11/15/2013	2	14	OK
TW4-21	Chloride	11/13/2013	11/22/2013	9	28	OK
TW4-21	Chloroform	11/13/2013	11/18/2013	5	14	OK
TW4-21	Chloromethane	11/13/2013	11/15/2013	2	14	OK
TW4-21	Methylene chloride	11/13/2013	11/15/2013	2	14	OK
TW4-21	Nitrate/Nitrite (as N)	11/13/2013	11/15/2013	2	28	OK
TW4-22	Carbon tetrachloride	10/29/2013	10/31/2013	2	14	OK
TW4-22	Chloride	10/29/2013	11/3/2013	5	28	OK
TW4-22	Chloroform	10/29/2013	11/1/2013	3	14	OK
TW4-22	Chloromethane	10/29/2013	10/31/2013	2	14	OK
TW4-22	Methylene chloride	10/29/2013	10/31/2013	2	14	OK
TW4-22	Nitrate/Nitrite (as N)	10/29/2013	11/5/2013	7	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
TW4-23	Carbon tetrachloride	11/7/2013	11/8/2013	1	14	OK
TW4-23	Chloride	11/7/2013	11/9/2013	2	28	OK
TW4-23	Chloroform	11/7/2013	11/8/2013	1	14	OK
TW4-23	Chloromethane	11/7/2013	11/8/2013	1	14	OK
TW4-23	Methylene chloride	11/7/2013	11/8/2013	1	14	OK
TW4-23	Nitrate/Nitrite (as N)	11/7/2013	11/13/2013	6	28	OK
TW4-24	Carbon tetrachloride	10/29/2013	10/31/2013	2	14	OK
TW4-24	Chloride	10/29/2013	11/3/2013	5	28	OK
TW4-24	Chloroform	10/29/2013	10/31/2013	2	14	OK
TW4-24	Chloromethane	10/29/2013	10/31/2013	2	14	OK
TW4-24	Methylene chloride	10/29/2013	10/31/2013	2	14	OK
TW4-24	Nitrate/Nitrite (as N)	10/29/2013	11/5/2013	7	28	OK
TW4-25	Carbon tetrachloride	10/29/2013	10/31/2013	2	14	OK
TW4-25	Chloride	10/29/2013	11/3/2013	5	28	OK
TW4-25	Chloroform	10/29/2013	10/31/2013	2	14	OK
TW4-25	Chloromethane	10/29/2013	10/31/2013	2	14	OK
TW4-25	Methylene chloride	10/29/2013	10/31/2013	2	14	OK
TW4-25	Nitrate/Nitrite (as N)	10/29/2013	11/5/2013	7	28	OK
TW4-26	Carbon tetrachloride	11/7/2013	11/8/2013	1	14	OK
TW4-26	Chloride	11/7/2013	11/13/2013	6	28	OK
TW4-26	Chloroform	11/7/2013	11/8/2013	1	14	OK
TW4-26	Chloromethane	11/7/2013	11/8/2013	1	14	OK
TW4-26	Methylene chloride	11/7/2013	11/8/2013	1	14	OK
TW4-26	Nitrate/Nitrite (as N)	11/7/2013	11/13/2013	6	28	OK
TW4-27	Carbon tetrachloride	11/6/2013	11/8/2013	2	14	OK
TW4-27	Chloride	11/6/2013	11/9/2013	3	28	OK
TW4-27	Chloroform	11/6/2013	11/8/2013	2	14	OK
TW4-27	Chloromethane	11/6/2013	11/8/2013	2	14	OK
TW4-27	Methylene chloride	11/6/2013	11/8/2013	2	14	OK
TW4-27	Nitrate/Nitrite (as N)	11/6/2013	11/13/2013	7	28	OK
TW4-28	Carbon tetrachloride	11/6/2013	11/8/2013	2	14	OK
TW4-28	Chloride	11/6/2013	11/9/2013	3	28	OK
TW4-28	Chloroform	11/6/2013	11/8/2013	2	14	OK
TW4-28	Chloromethane	11/6/2013	11/8/2013	2	14	OK
TW4-28	Methylene chloride	11/6/2013	11/8/2013	2	14	OK
TW4-28	Nitrate/Nitrite (as N)	11/6/2013	11/13/2013	7	28	OK
TW4-29	Carbon tetrachloride	11/13/2013	11/15/2013	2	14	OK
TW4-29	Chloride	11/13/2013	11/22/2013	9	28	OK
TW4-29	Chloroform	11/13/2013	11/18/2013	5	14	OK
TW4-29	Chloromethane	11/13/2013	11/15/2013	2	14	OK
TW4-29	Methylene chloride	11/13/2013	11/15/2013	2	14	OK
TW4-29	Nitrate/Nitrite (as N)	11/13/2013	11/15/2013	2	28	OK
TW4-30	Carbon tetrachloride	11/7/2013	11/8/2013	1	14	OK
TW4-30	Chloride	11/7/2013	11/9/2013	2	28	OK
TW4-30	Chloroform	11/7/2013	11/8/2013	1	14	OK
TW4-30	Chloromethane	11/7/2013	11/8/2013	1	14	OK
TW4-30	Methylene chloride	11/7/2013	11/8/2013	1	14	OK
TW4-30	Nitrate/Nitrite (as N)	11/7/2013	11/13/2013	6	28	OK
TW4-31	Carbon tetrachloride	11/7/2013	11/8/2013	1	14	OK
TW4-31	Chloride	11/7/2013	11/9/2013	2	28	OK
TW4-31	Chloroform	11/7/2013	11/8/2013	1	14	OK
TW4-31	Chloromethane	11/7/2013	11/8/2013	1	14	OK
TW4-31	Methylene chloride	11/7/2013	11/8/2013	1	14	OK
TW4-31	Nitrate/Nitrite (as N)	11/7/2013	11/13/2013	6	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
TW4-32	Carbon tetrachloride	11/14/2013	11/18/2013	4	14	OK
TW4-32	Chloride	11/14/2013	11/22/2013	8	28	OK
TW4-32	Chloroform	11/14/2013	11/18/2013	4	14	OK
TW4-32	Chloromethane	11/14/2013	11/18/2013	4	14	OK
TW4-32	Methylene chloride	11/14/2013	11/18/2013	4	14	OK
TW4-32	Nitrate/Nitrite (as N)	11/14/2013	11/15/2013	1	28	OK
TW4-33	Carbon tetrachloride	11/14/2013	11/15/2013	1	14	OK
TW4-33	Chloride	11/14/2013	11/22/2013	8	28	OK
TW4-33	Chloroform	11/14/2013	11/15/2013	1	14	OK
TW4-33	Chloromethane	11/14/2013	11/15/2013	1	14	OK
TW4-33	Methylene chloride	11/14/2013	11/15/2013	1	14	OK
TW4-33	Nitrate/Nitrite (as N)	11/14/2013	11/15/2013	1	28	OK
TW4-34	Carbon tetrachloride	11/14/2013	11/15/2013	1	14	OK
TW4-34	Chloride	11/14/2013	11/22/2013	8	28	OK
TW4-34	Chloroform	11/14/2013	11/15/2013	1	14	OK
TW4-34	Chloromethane	11/14/2013	11/15/2013	1	14	OK
TW4-34	Methylene chloride	11/14/2013	11/15/2013	1	14	OK
TW4-34	Nitrate/Nitrite (as N)	11/14/2013	11/15/2013	1	28	OK
TW4-60	Carbon tetrachloride	11/14/2013	11/15/2013	1	14	OK
TW4-60	Chloride	11/14/2013	11/22/2013	8	28	OK
TW4-60	Chloroform	11/14/2013	11/15/2013	1	14	OK
TW4-60	Chloromethane	11/14/2013	11/15/2013	1	14	OK
TW4-60	Methylene chloride	11/14/2013	11/15/2013	1	14	OK
TW4-60	Nitrate/Nitrite (as N)	11/14/2013	11/15/2013	1	28	OK
MW-65	Carbon tetrachloride	10/29/2013	10/31/2013	2	14	OK
MW-65	Chloride	10/29/2013	11/5/2013	7	28	OK
MW-65	Chloroform	10/29/2013	10/31/2013	2	14	OK
MW-65	Chloromethane	10/29/2013	10/31/2013	2	14	OK
MW-65	Methylene chloride	10/29/2013	10/31/2013	2	14	OK
MW-65	Nitrate/Nitrite (as N)	10/29/2013	11/5/2013	7	28	OK
TW4-70	Carbon tetrachloride	11/7/2013	11/8/2013	1	14	OK
TW4-70	Chloride	11/7/2013	11/13/2013	6	28	OK
TW4-70	Chloroform	11/7/2013	11/8/2013	1	14	OK
TW4-70	Chloromethane	11/7/2013	11/8/2013	1	14	OK
TW4-70	Methylene chloride	11/7/2013	11/8/2013	1	14	OK
TW4-70	Nitrate/Nitrite (as N)	11/7/2013	11/13/2013	6	28	OK

Table I-3 Recipt Temperature Check

Sample Batch	Wells in Batch	Temperature
1310621	MW-04, TW4-04, MW-32, MW-26, TW4-19, TW4-20, TW4-22, TW4-24, TW4-25, TW4-65, Trip Blank	0.9 °C
1311161	TW4-03, TW4-03R, TW4-08, TW4-09, TW4-12, TW4-13, TW4-14, TW4-16, TW4-23, TW4-26, TW4-27, TW4-28, TW4-30, TW4-31, TW4-70, Trip Blank	4.0 °C
1311306	TW4-01, TW4-02, TW4-05, TW4-06, TW4-07, TW4-10, TW4-11, TW4-18, TW4-18R, TW4-21, TW4-29, TW4-32, TW4-33, TW4-34, TW4-60, Trip Blank	4.8 °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	Units	RL Check	DILUTION FACTOR
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Chloroform	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Chloromethane	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Chloroform	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Chloromethane	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Chloroform	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Chloromethane	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-04	Carbon tetrachloride	1	ug/L		1	ug/L	OK	1
MW-04	Chloride	5	mg/L		1	mg/L	OK	5
MW-04	Chloroform	10	ug/L		1	ug/L	OK	10
MW-04	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-04	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-04	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
MW-26	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-26	Chloride	10	mg/L		1	mg/L	OK	10
MW-26	Chloroform	10	ug/L		1	ug/L	OK	10
MW-26	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-26	Methylene chloride	1	ug/L		1	ug/L	OK	1
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		0.1	mg/L	OK	1
MW-32	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-32	Chloride	5	mg/L		1	mg/L	OK	5
MW-32	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-32	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-32	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-32	Nitrate/Nitrite (as N)	0.1	mg/L	U	0.1	mg/L	OK	1
TW4-01	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-01	Chloride	10	mg/L		1	mg/L	OK	10
TW4-01	Chloroform	20	ug/L		1	ug/L	OK	20
TW4-01	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-01	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-01	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-02	Carbon tetrachloride	1	ug/L		1	ug/L	OK	1
TW4-02	Chloride	10	mg/L		1	mg/L	OK	10
TW4-02	Chloroform	50	ug/L		1	ug/L	OK	50
TW4-02	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-02	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-02	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-03	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-03	Chloride	5	mg/L		1	mg/L	OK	5
TW4-03	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-03	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-03	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-03	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-03R	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-03R	Chloride	1	mg/L	U	1	mg/L	OK	1
TW4-03R	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-03R	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-03R	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-03R	Nitrate/Nitrite (as N)	0.1	mg/L	U	0.1	mg/L	OK	1

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
TW4-04	Carbon tetrachloride	1	ug/L		1	ug/L	OK	1
TW4-04	Chloride	5	mg/L		1	mg/L	OK	5
TW4-04	Chloroform	10	ug/L		1	ug/L	OK	10
TW4-04	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-04	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-04	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-05	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-05	Chloride	5	mg/L		1	mg/L	OK	5
TW4-05	Chloroform	1	ug/L		1	ug/L	OK	1
TW4-05	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-05	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-05	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-06	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-06	Chloride	5	mg/L		1	mg/L	OK	5
TW4-06	Chloroform	1	ug/L		1	ug/L	OK	1
TW4-06	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-06	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-06	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-07	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-07	Chloride	5	mg/L		1	mg/L	OK	5
TW4-07	Chloroform	20	ug/L		1	ug/L	OK	20
TW4-07	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-07	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-07	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-08	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-08	Chloride	10	mg/L		1	mg/L	OK	10
TW4-08	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-08	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-08	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-08	Nitrate/Nitrite (as N)	0.1	mg/L	U	0.1	mg/L	OK	1
TW4-09	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-09	Chloride	5	mg/L		1	mg/L	OK	5
TW4-09	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-09	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-09	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-09	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-10	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-10	Chloride	10	mg/L		1	mg/L	OK	10
TW4-10	Chloroform	20	ug/L		1	ug/L	OK	20
TW4-10	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-10	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-10	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-11	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-11	Chloride	10	mg/L		1	mg/L	OK	10
TW4-11	Chloroform	10	ug/L		1	ug/L	OK	10
TW4-11	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-11	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-11	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-12	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-12	Chloride	5	mg/L		1	mg/L	OK	5
TW4-12	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-12	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-12	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-12	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
TW4-13	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-13	Chloride	10	mg/L		1	mg/L	OK	10
TW4-13	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-13	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-13	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-13	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-14	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-14	Chloride	5	mg/L		1	mg/L	OK	5
TW4-14	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-14	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-14	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-14	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-16	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-16	Chloride	10	mg/L		1	mg/L	OK	10
TW4-16	Chloroform	1	ug/L		1	ug/L	OK	1
TW4-16	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-16	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-16	Nitrate/Nitrite (as N)	0.1	mg/L		0.1	mg/L	OK	1
TW4-18	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-18	Chloride	5	mg/L		1	mg/L	OK	5
TW4-18	Chloroform	1	ug/L		1	ug/L	OK	1
TW4-18	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-18	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-18	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-18R	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-18R	Chloride	1	mg/L	U	1	mg/L	OK	1
TW4-18R	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-18R	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-18R	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-18R	Nitrate/Nitrite (as N)	0.1	mg/L	U	0.1	mg/L	OK	1
TW4-19	Carbon tetrachloride	1	ug/L		1	ug/L	OK	1
TW4-19	Chloride	50	mg/L		1	mg/L	OK	50
TW4-19	Chloroform	10	ug/L		1	ug/L	OK	10
TW4-19	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-19	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-19	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-20	Carbon tetrachloride	1	ug/L		1	ug/L	OK	1
TW4-20	Chloride	50	mg/L		1	mg/L	OK	50
TW4-20	Chloroform	100	ug/L		1	ug/L	OK	100
TW4-20	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-20	Methylene chloride	1	ug/L		1	ug/L	OK	1
TW4-20	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-21	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-21	Chloride	50	mg/L		1	mg/L	OK	50
TW4-21	Chloroform	10	ug/L		1	ug/L	OK	10
TW4-21	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-21	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-21	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-22	Carbon tetrachloride	1	ug/L		1	ug/L	OK	1
TW4-22	Chloride	100	mg/L		1	mg/L	OK	100
TW4-22	Chloroform	100	ug/L		1	ug/L	OK	100
TW4-22	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-22	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-22	Nitrate/Nitrite (as N)	10	mg/L		0.1	mg/L	OK	100

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
TW4-23	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-23	Chloride	10	mg/L		1	mg/L	OK	10
TW4-23	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-23	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-23	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-23	Nitrate/Nitrite (as N)	0.1	mg/L	U	0.1	mg/L	OK	1
TW4-24	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-24	Chloride	100	mg/L		1	mg/L	OK	100
TW4-24	Chloroform	1	ug/L		1	ug/L	OK	1
TW4-24	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-24	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-24	Nitrate/Nitrite (as N)	10	mg/L		0.1	mg/L	OK	100
TW4-25	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-25	Chloride	50	mg/L		1	mg/L	OK	50
TW4-25	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-25	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-25	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-25	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-26	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-26	Chloride	5	mg/L		1	mg/L	OK	5
TW4-26	Chloroform	1	ug/L		1	ug/L	OK	1
TW4-26	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-26	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-26	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-27	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-27	Chloride	5	mg/L		1	mg/L	OK	5
TW4-27	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-27	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-27	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-27	Nitrate/Nitrite (as N)	10	mg/L		0.1	mg/L	OK	100
TW4-28	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-28	Chloride	10	mg/L		1	mg/L	OK	10
TW4-28	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-28	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-28	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-28	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-29	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-29	Chloride	5	mg/L		1	mg/L	OK	5
TW4-29	Chloroform	10	ug/L		1	ug/L	OK	10
TW4-29	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-29	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-29	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-30	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-30	Chloride	5	mg/L		1	mg/L	OK	5
TW4-30	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-30	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-30	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-30	Nitrate/Nitrite (as N)	0.1	mg/L		0.1	mg/L	OK	1
TW4-31	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-31	Chloride	5	mg/L		1	mg/L	OK	5
TW4-31	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-31	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-31	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-31	Nitrate/Nitrite (as N)	0.1	mg/L		0.1	mg/L	OK	1

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
TW4-32	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-32	Chloride	5	mg/L		1	mg/L	OK	5
TW4-32	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-32	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-32	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-32	Nitrate/Nitrite (as N)	1	mg/L		0.1	mg/L	OK	10
TW4-33	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-33	Chloride	5	mg/L		1	mg/L	OK	5
TW4-33	Chloroform	1	ug/L		1	ug/L	OK	1
TW4-33	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-33	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-33	Nitrate/Nitrite (as N)	0.1	mg/L		0.1	mg/L	OK	1
TW4-34	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-34	Chloride	5	mg/L		1	mg/L	OK	5
TW4-34	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-34	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-34	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-34	Nitrate/Nitrite (as N)	0.1	mg/L		0.1	mg/L	OK	1
TW4-60	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-60	Chloride	1	mg/L	U	1	mg/L	OK	1
TW4-60	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-60	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-60	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-60	Nitrate/Nitrite (as N)	0.1	mg/L	U	0.1	mg/L	OK	1
TW4-65	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-65	Chloride	5	mg/L		1	mg/L	OK	5
TW4-65	Chloroform	1	ug/L	U	1	ug/L	OK	1
TW4-65	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-65	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-65	Nitrate/Nitrite (as N)	0.1	mg/L	U	0.1	mg/L	OK	1
TW4-70	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
TW4-70	Chloride	10	mg/L		1	mg/L	OK	10
TW4-70	Chloroform	1	ug/L		1	ug/L	OK	1
TW4-70	Chloromethane	1	ug/L	U	1	ug/L	OK	1
TW4-70	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
TW4-70	Nitrate/Nitrite (as N)	0.1	mg/L		0.1	mg/L	OK	1

U = The value was reported by the laboratory as nondetect

I-6 Trip Blank Evaluation

Lab Report	Constituent	Result
1310621	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L
1311161	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L
1311306	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	MW-32	TW4-65	%RPD
Chloride (mg/L)	35.7	33.3	7
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

Constituent	TW4-16	TW4-70	%RPD
Chloride (mg/L)	56.6	56.5	0.18
Nitrate + Nitrite (as N)	1.37	1.35	NC
Carbon Tetrachloride	ND	ND	NC
Chloroform	13.4	13.10	2
Chloromethane	ND	ND	NC
Dichloromethane (Methylene Chloride)	ND	ND	NC

RPD = Relative Percent Difference
ND = The analyte was not detected

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
1311306	1311306-001BMS	TW4-06	Nitrate	89.2	97.6	90 - 110	7.77
1311306	1311306-007BMS	TW4-07	Nitrate	113	110	90 - 110	2.29

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.

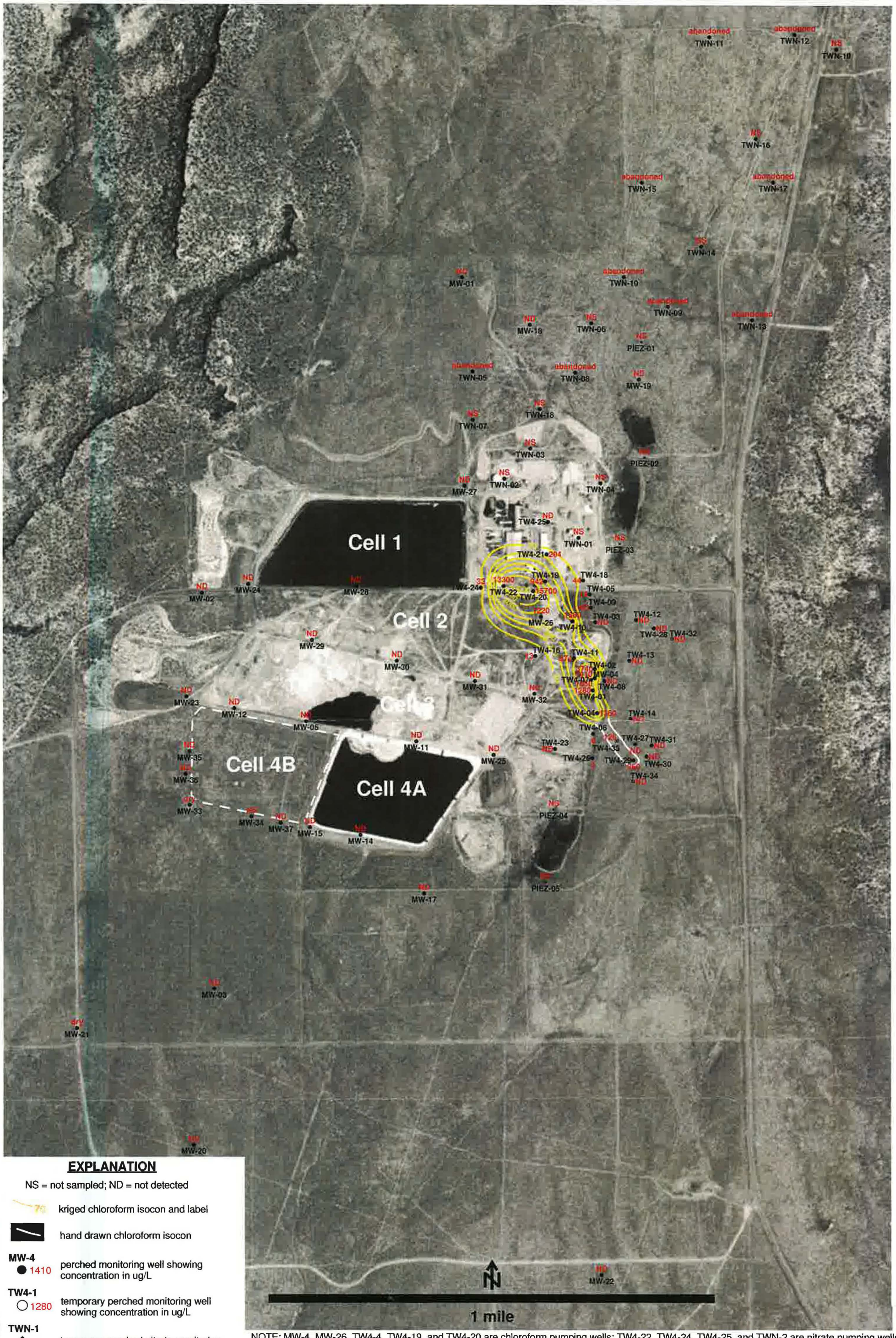
I-9 Rinsate Evaluation

All rinsate samples for the quarter were non-detect.

Rinsate Sample	Constituent	Result	
TW4-03R	Carbon tetrachloride	ND	ug/L
	Chloroform	ND	ug/L
	Chloromethane	ND	ug/L
	Methylene chloride	ND	ug/L
	Chloride	ND	mg/L
	Nitrate	ND	mg/L
TW4-18R	Carbon tetrachloride	ND	ug/L
	Chloroform	ND	ug/L
	Chloromethane	ND	ug/L
	Methylene chloride	ND	ug/L
	Chloride	ND	mg/L
	Nitrate	ND	mg/L

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
- **MW-4** ● 1410 — perched monitoring well showing concentration in ug/L
- **TW4-1** ○ 1280 — 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** ☼ ND — temporary perched monitoring well installed September, 2013 showing concentration in ug/L

NOTE: MW-4, MW-26, TW4-4, TW4-19, and TW4-20 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells

HYDRO GEO CHEM, INC.

KRIGED 4th QUARTER, 2013 CHLOROFORM (ug/L) WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/feb14/Uchl1213h.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
29-Oct-13	1410	5.58	ND	ND	5.25	40.1

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
14-Nov-13	1280	ND	ND	ND	7.08	36.5

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
14-Nov-13	3740	3.15	ND	ND	8.39	43.9

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
6-Nov-13	ND	ND	ND	ND	5.89	24.1

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
29-Oct-13	1360	5.3	ND	ND	7.84	43.9

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
13-Nov-13	14.4	ND	ND	ND	7.75	41.1

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
13-Nov-13	5.5	ND	ND	ND	1.52	40.2

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
14-Nov-13	1050	ND	ND	ND	4.13	37.2

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
7-Nov-13	ND	ND	ND	ND	ND	46.1

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
7-Nov-13	ND	ND	ND	ND	4.87	23.6

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
14-Nov-13	1380	ND	ND	ND	16.0	70.9

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
13-Nov-13	874	ND	ND	ND	8.01	46.7

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
6-Nov-13	ND	ND	ND	ND	16.4	41.4

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
7-Feb-13	ND	ND	ND	ND	6.31	59.3

TW4-13	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-May-13	ND	ND	ND	ND	6.84	56
29-Aug-13	ND	ND	ND	ND	7.16	63.5
6-Nov-13	ND	ND	ND	ND	6.48	58.5

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
6-Nov-13	ND	ND	ND	ND	4.81	36.5

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
29-Oct-13	1410	ND	ND	4.03	1.38	72.3

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
7-Nov-13	13.4	ND	ND	ND	1.37	56.6

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
29-Oct-13	ND	ND	ND	ND	ND	35.7

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
13-Nov-13	44.3	ND	ND	ND	14.2	37.1

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
29-Oct-13	942	6.42	ND	ND	4.7	134

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
29-Oct-13	15700	17.3	ND	1.37	9.64	272

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
13-Nov-13	204	<1	ND	ND	9	206

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
29-Oct-13	13300	8.09	ND	ND	45.2	501

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
7-Nov-13	ND	ND	ND	ND	ND	43.0

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
29-Oct-13	32.5	ND	ND	ND	34.6	1030

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
29-Oct-13	ND	ND	ND	ND	6.1	88.6

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
7-Nov-13	3.4	ND	ND	ND	15.9	15.9

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
6-Nov-13	ND	ND	ND	ND	29.8	21.8

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
6-Nov-13	ND	ND	ND	ND	16.2	45.2

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
13-Nov-13	260	ND	ND	ND	4.11	42.5

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
7-Nov-13	ND	ND	ND	ND	1.24	35.9

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
7-Nov-13	ND	ND	ND	ND	1.33	28

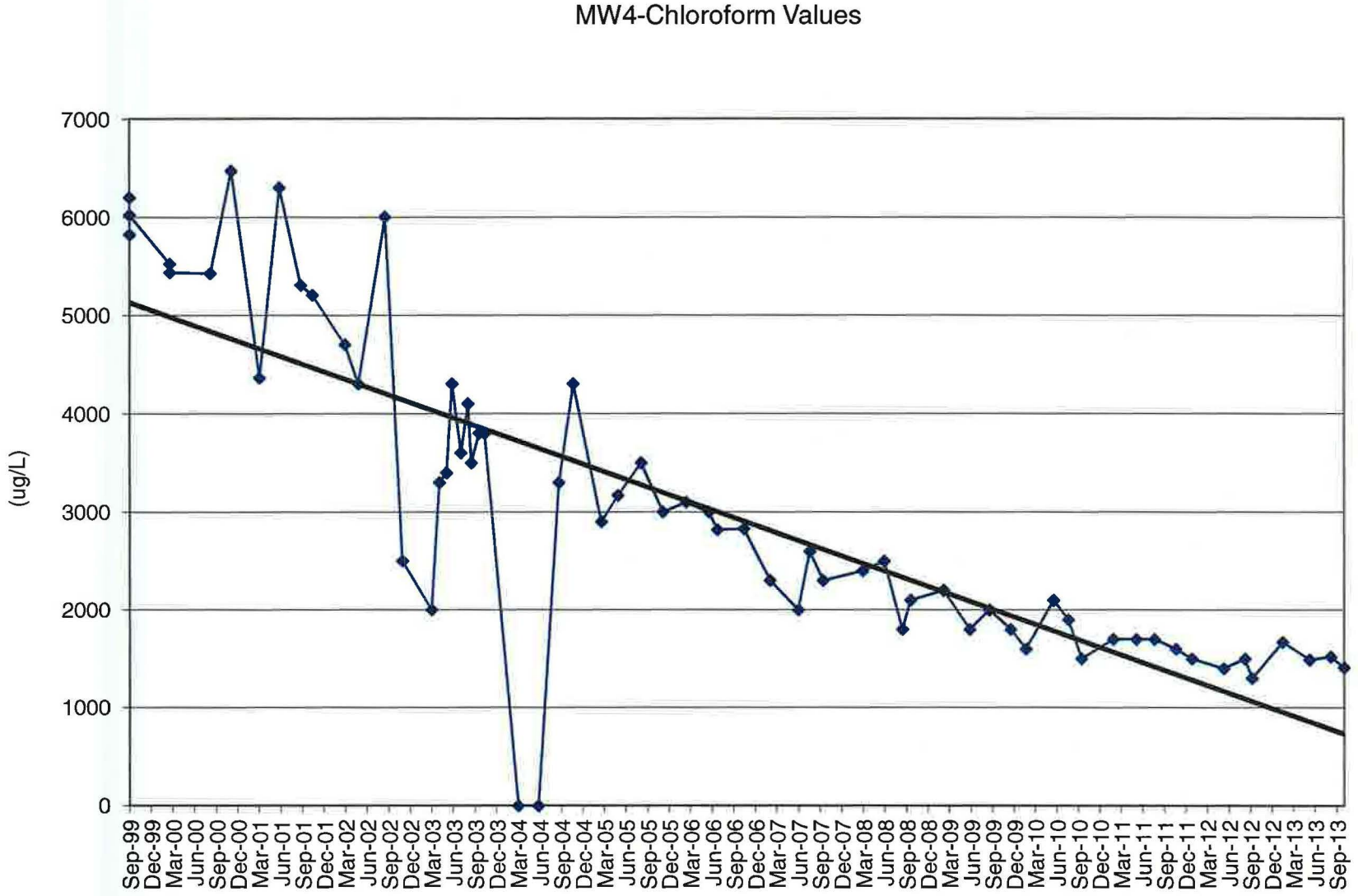
TW4-32	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
14-Nov-13	ND	ND	ND	ND	4.26	52.1

TW4-33	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
14-Nov-13	126	ND	ND	ND	1.82	47.2

TW4-34	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
14-Nov-13	ND	ND	ND	ND	1.64	19.2

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
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Mar-10
Jun-10
Sep-10
Dec-10
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Sep-11
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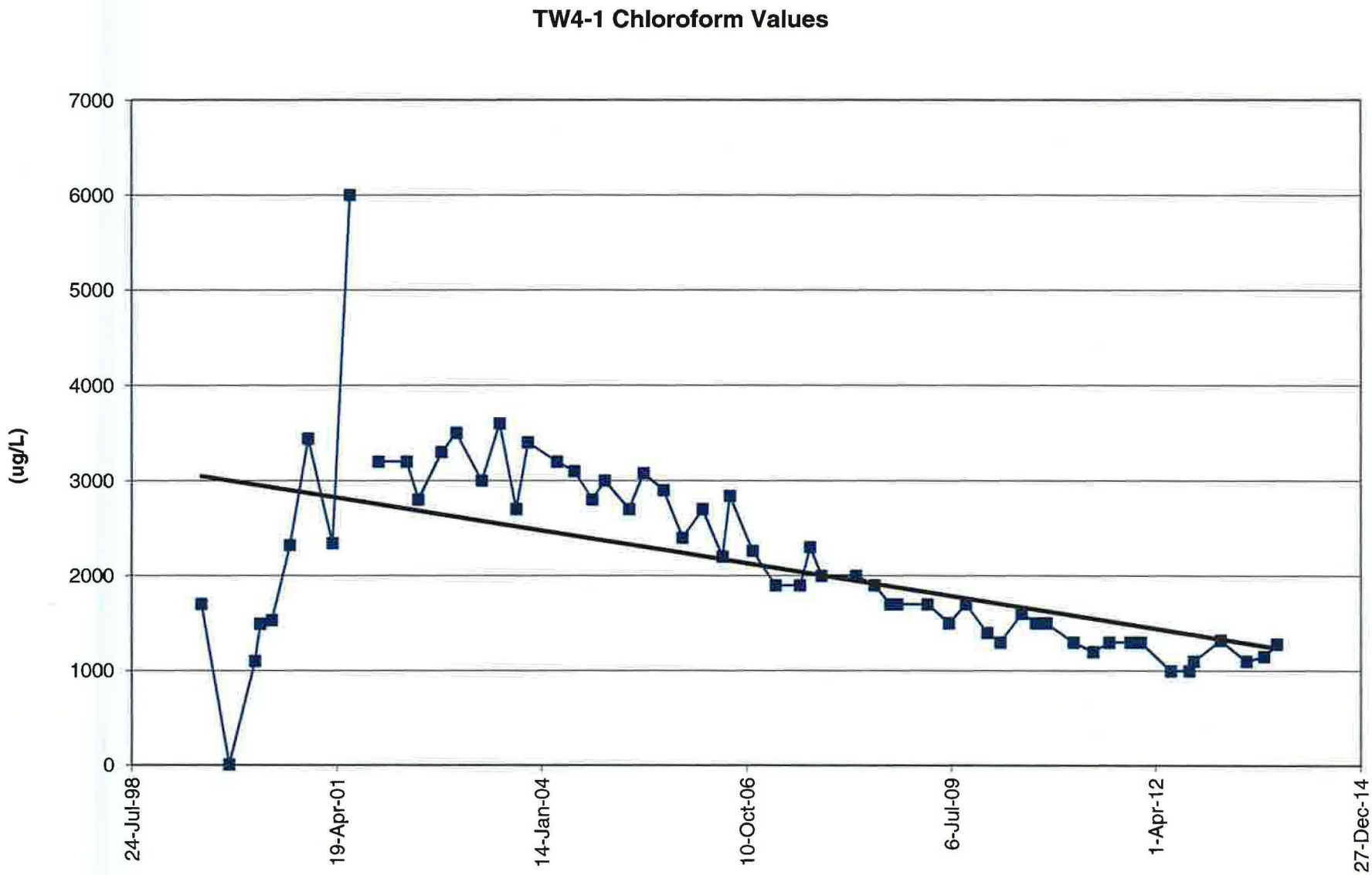
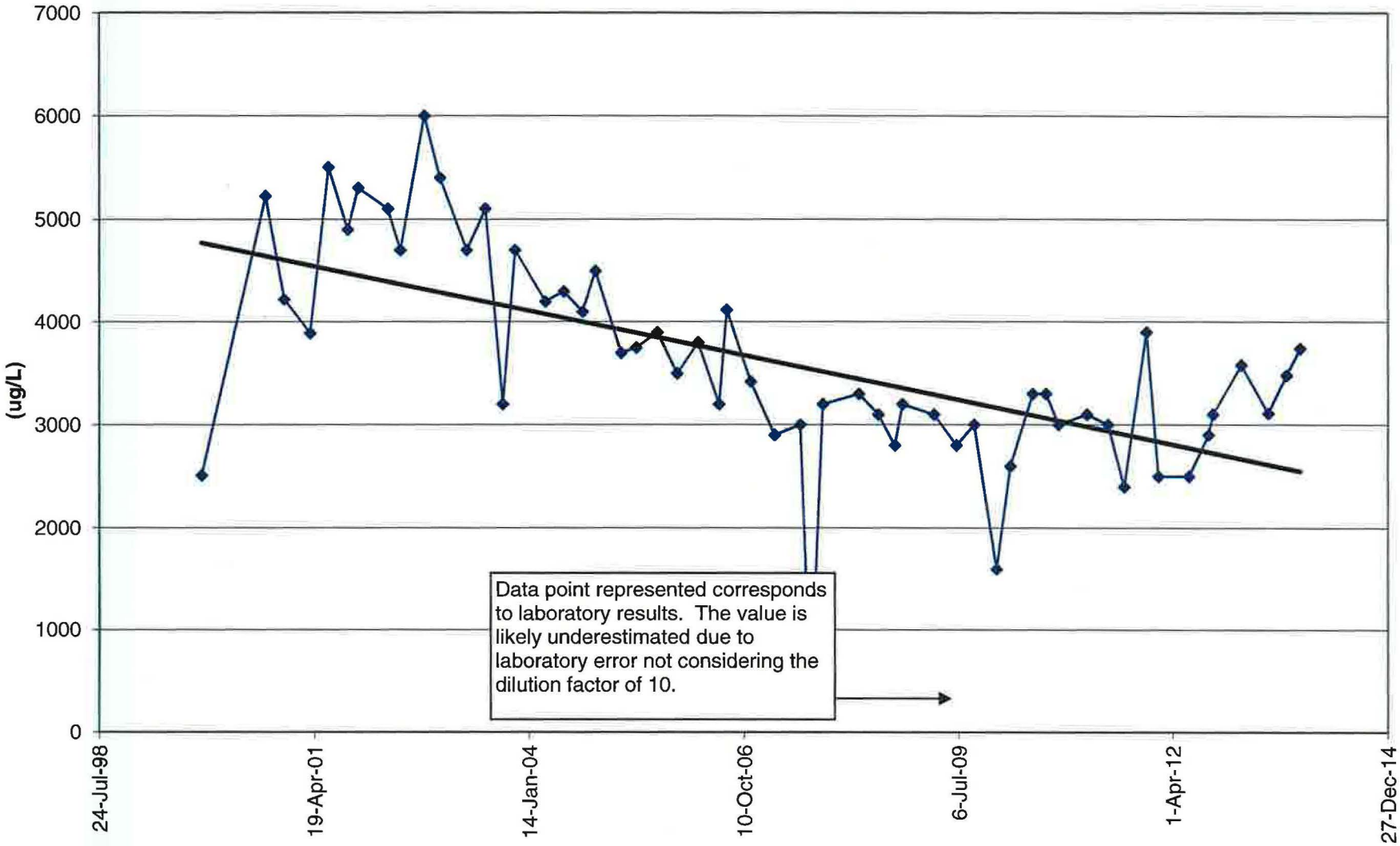
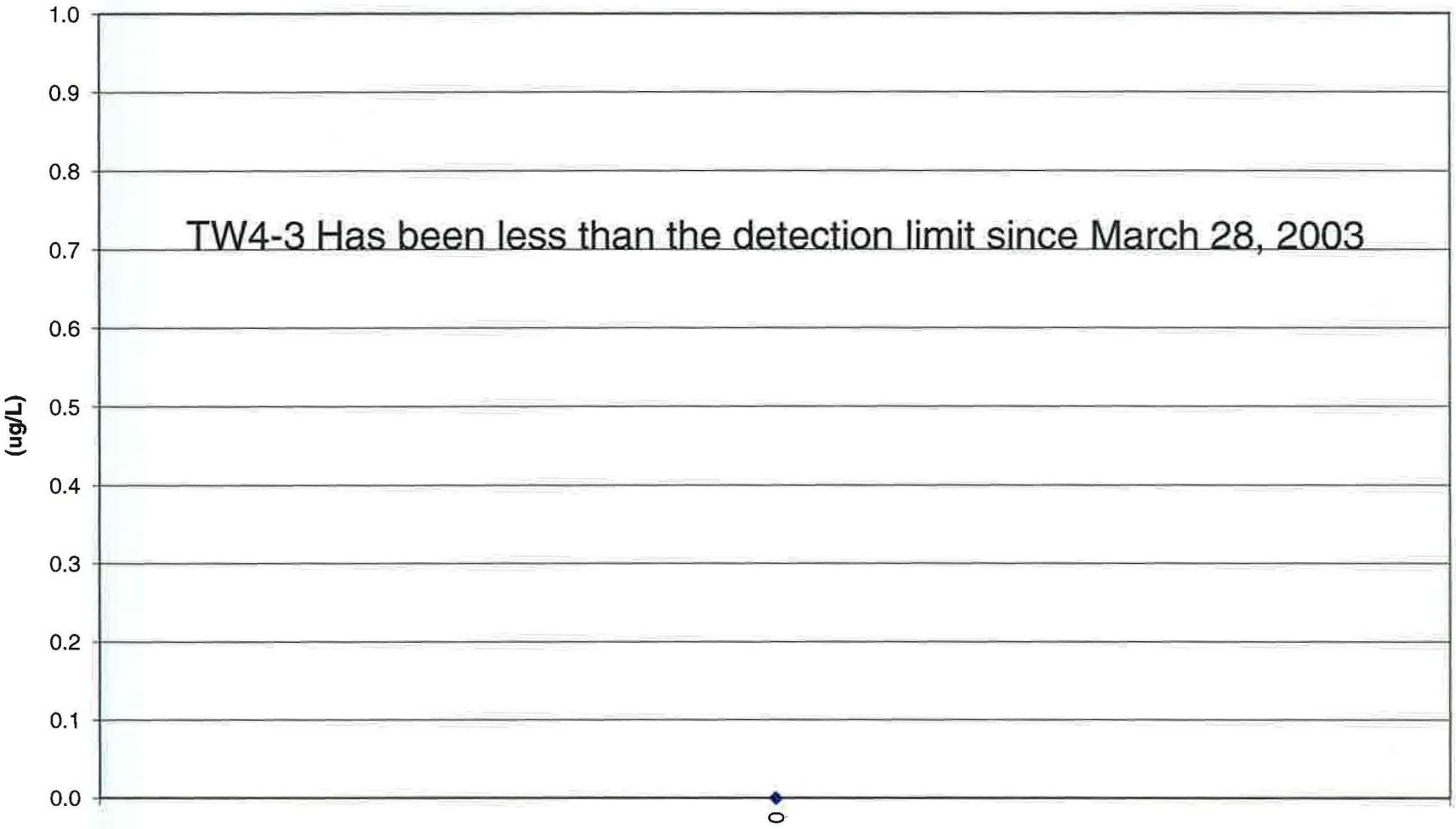
Mar-12
Jun-12
Sep-12
Dec-12
Mar-13
Jun-13
Sep-13


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

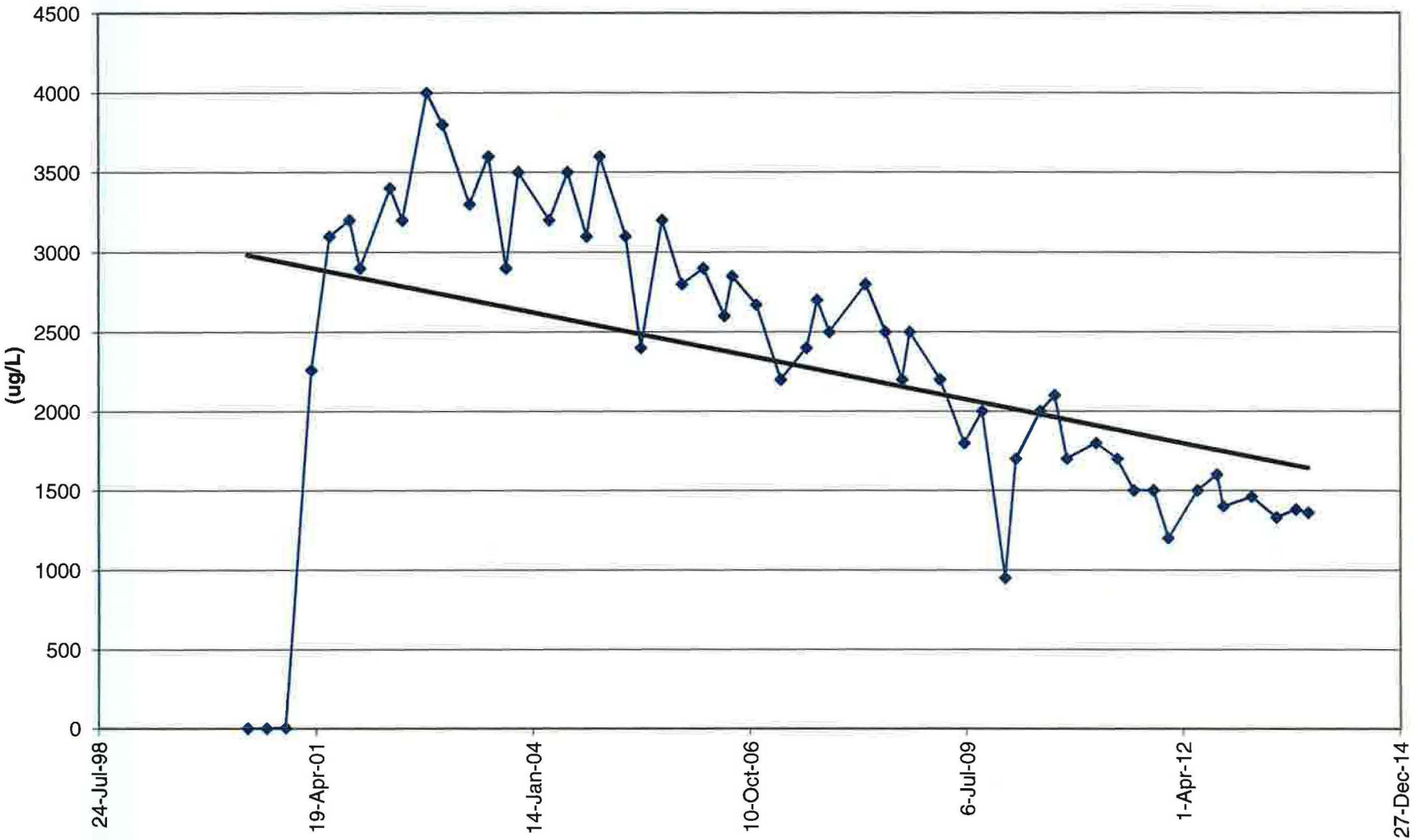
TW4-2 Chloroform Values

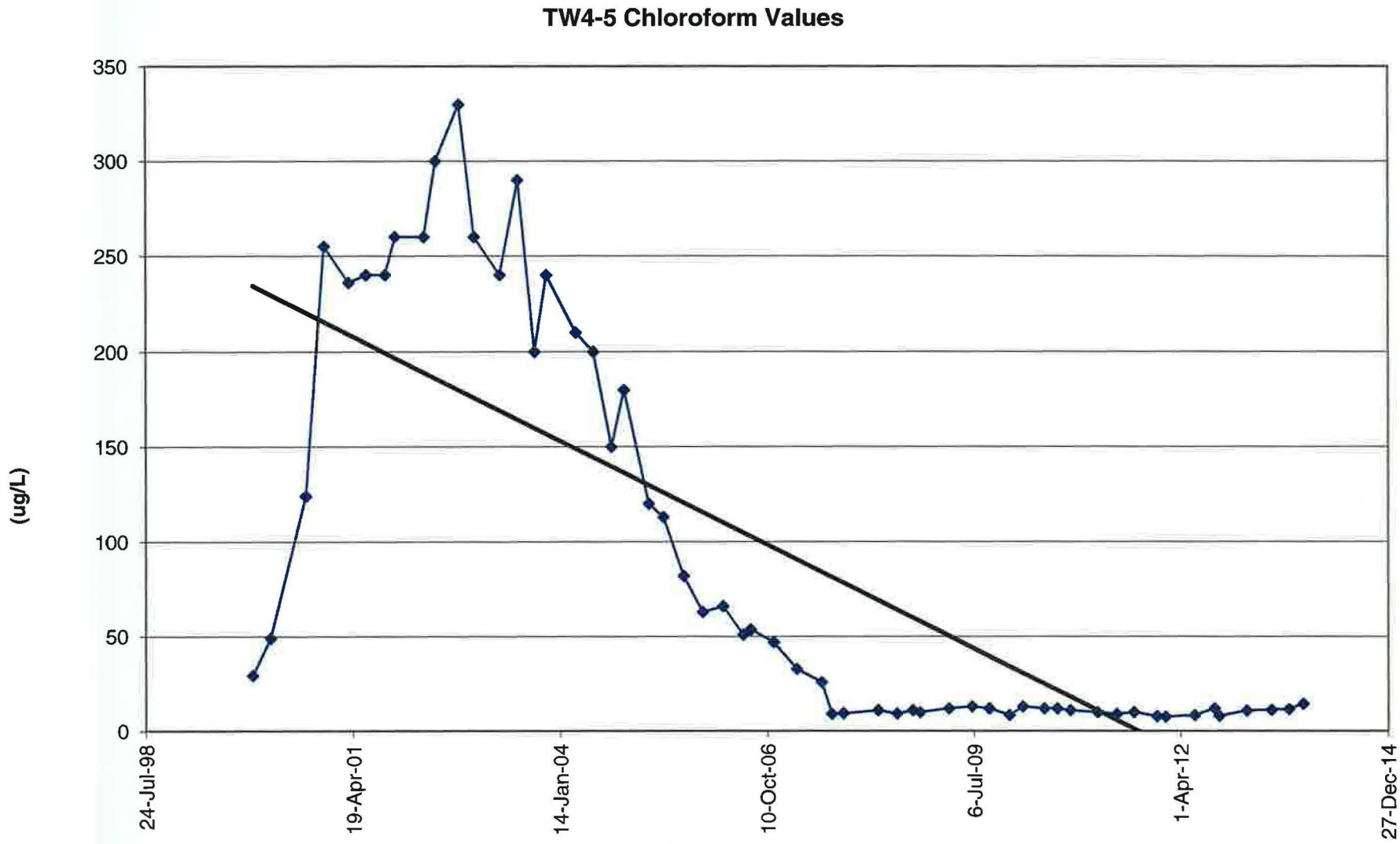


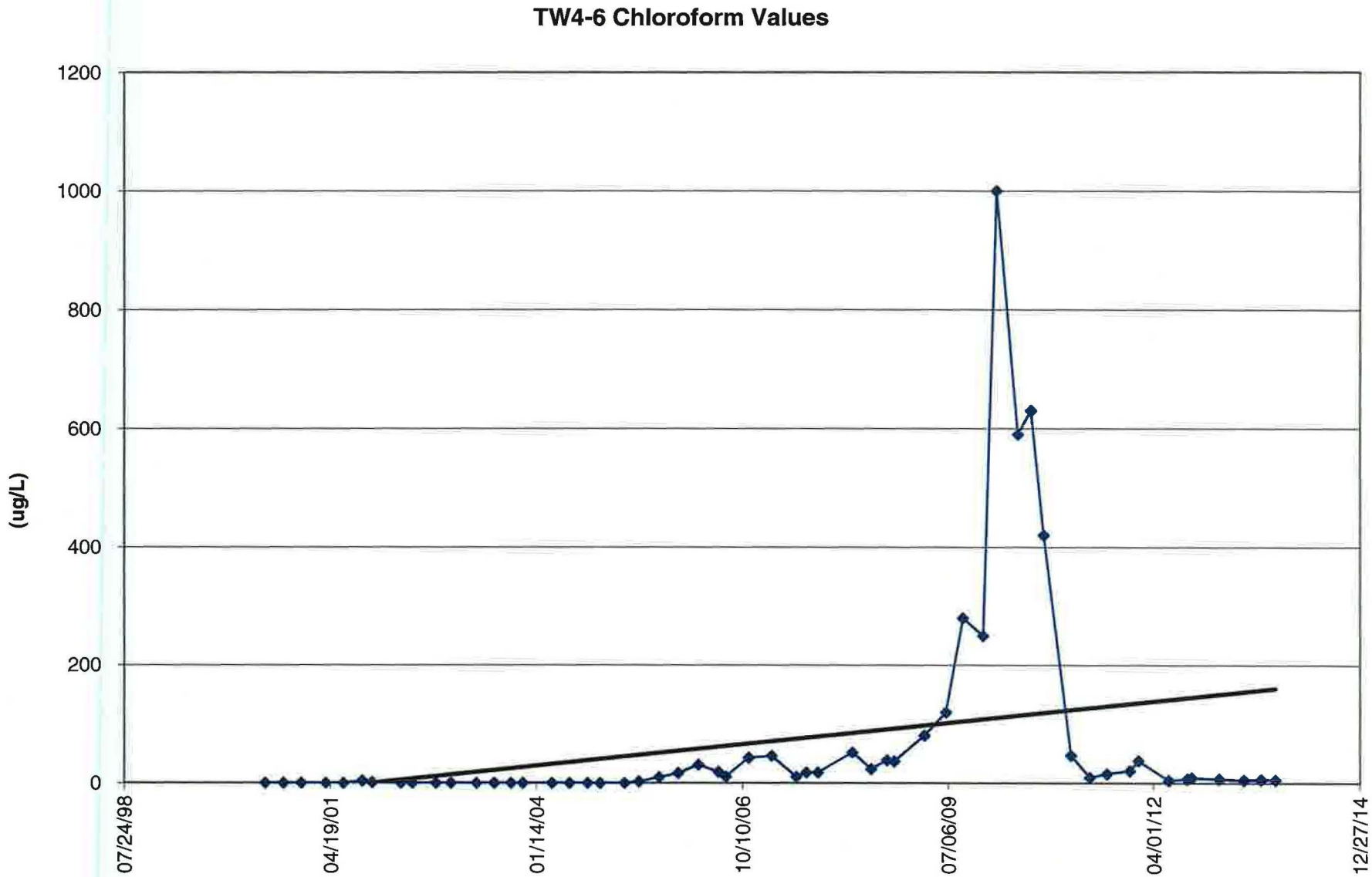
TW-4-3 Chloroform Values

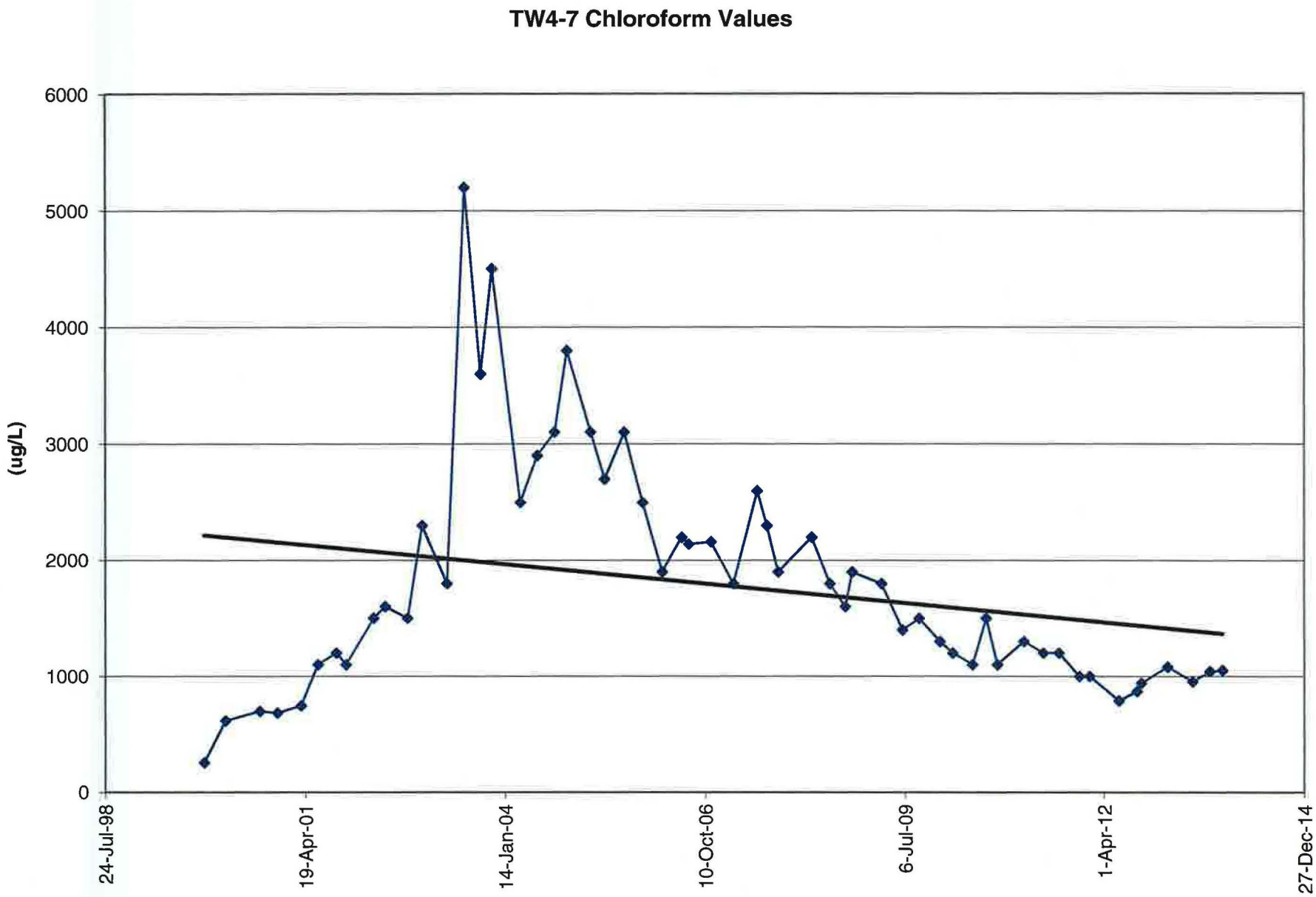


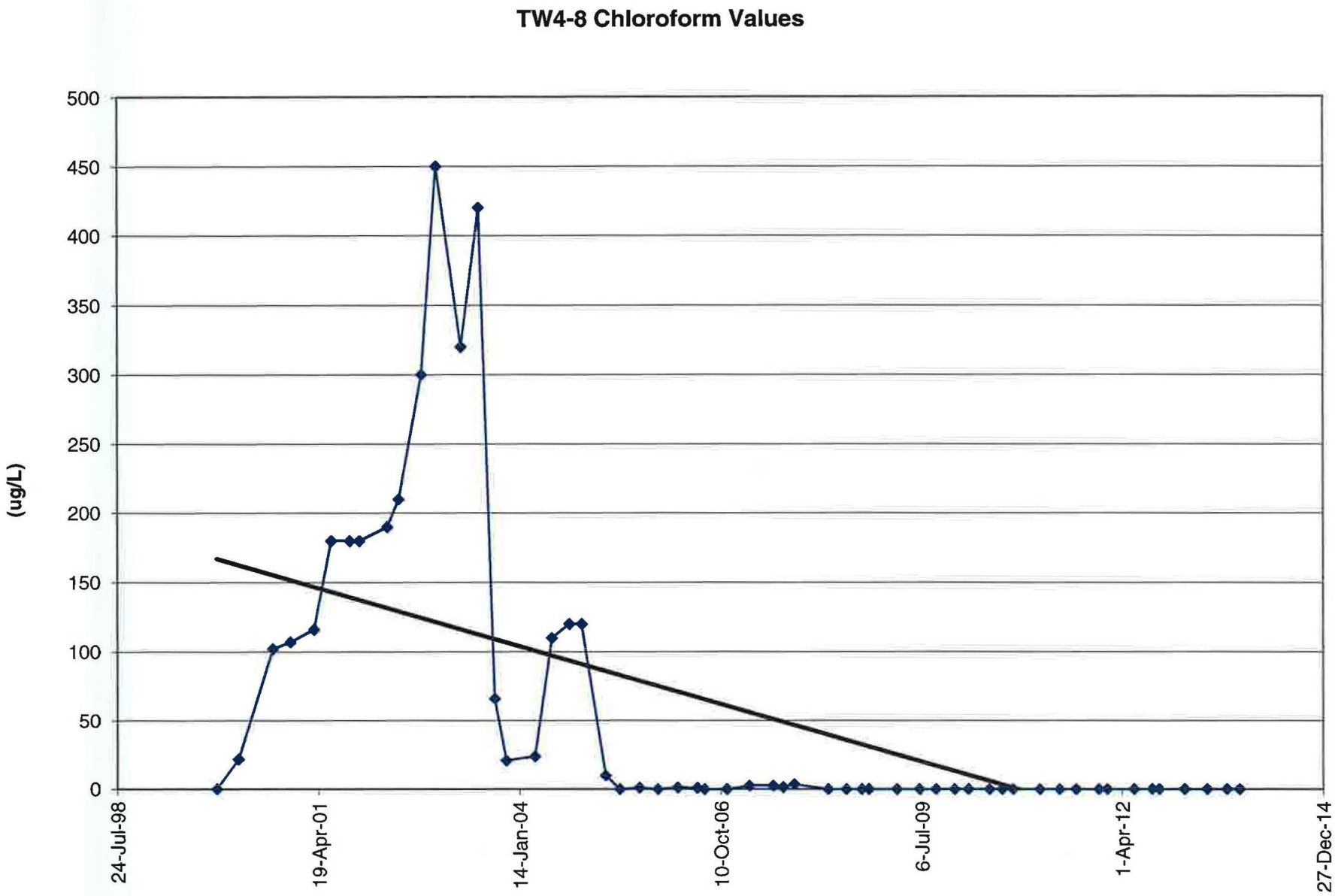
TW4-4 Chloroform Values

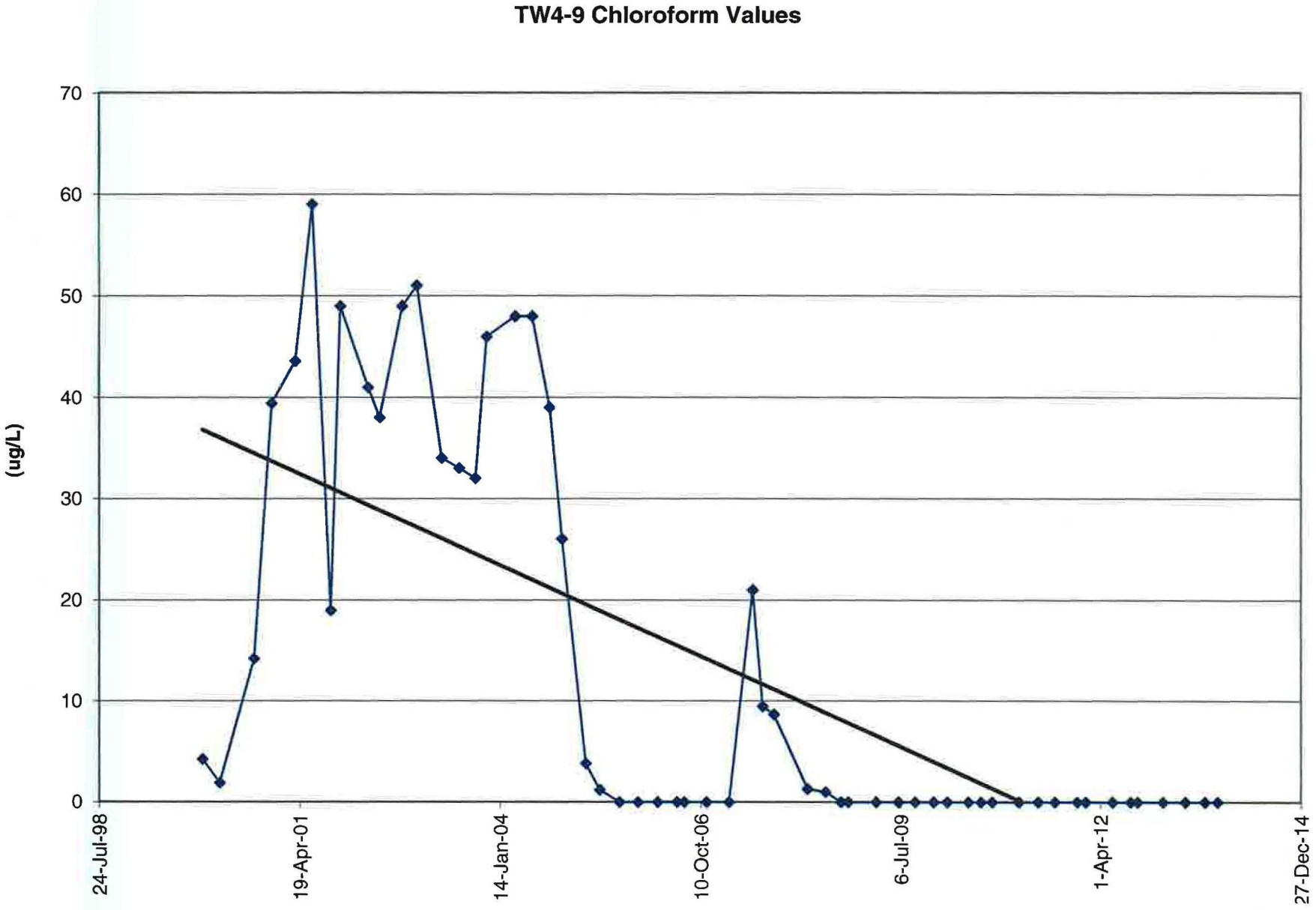


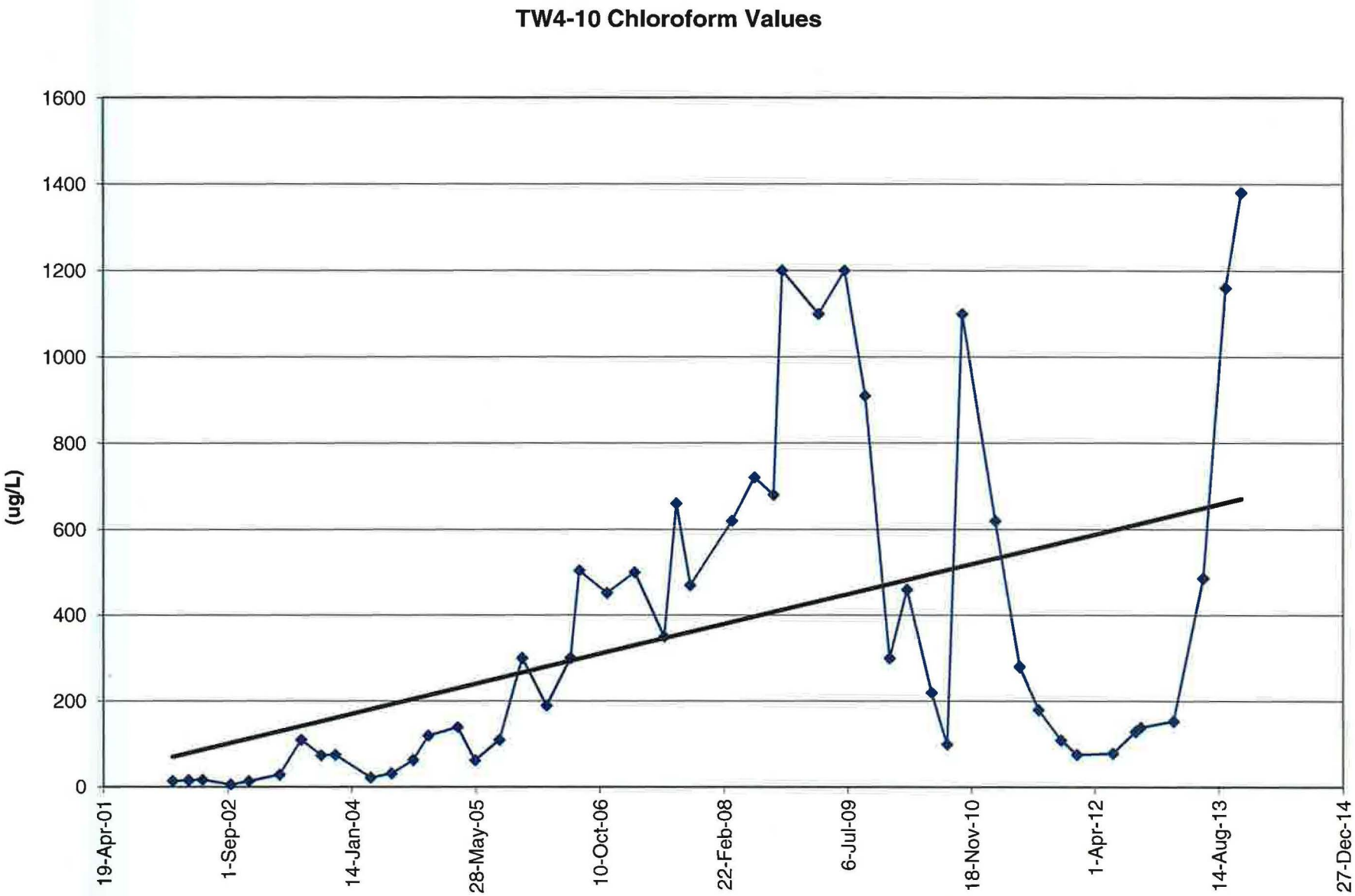

TW4-5 Chloroform Values
(ug/L)
350
300
250
200
150
100
50
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14

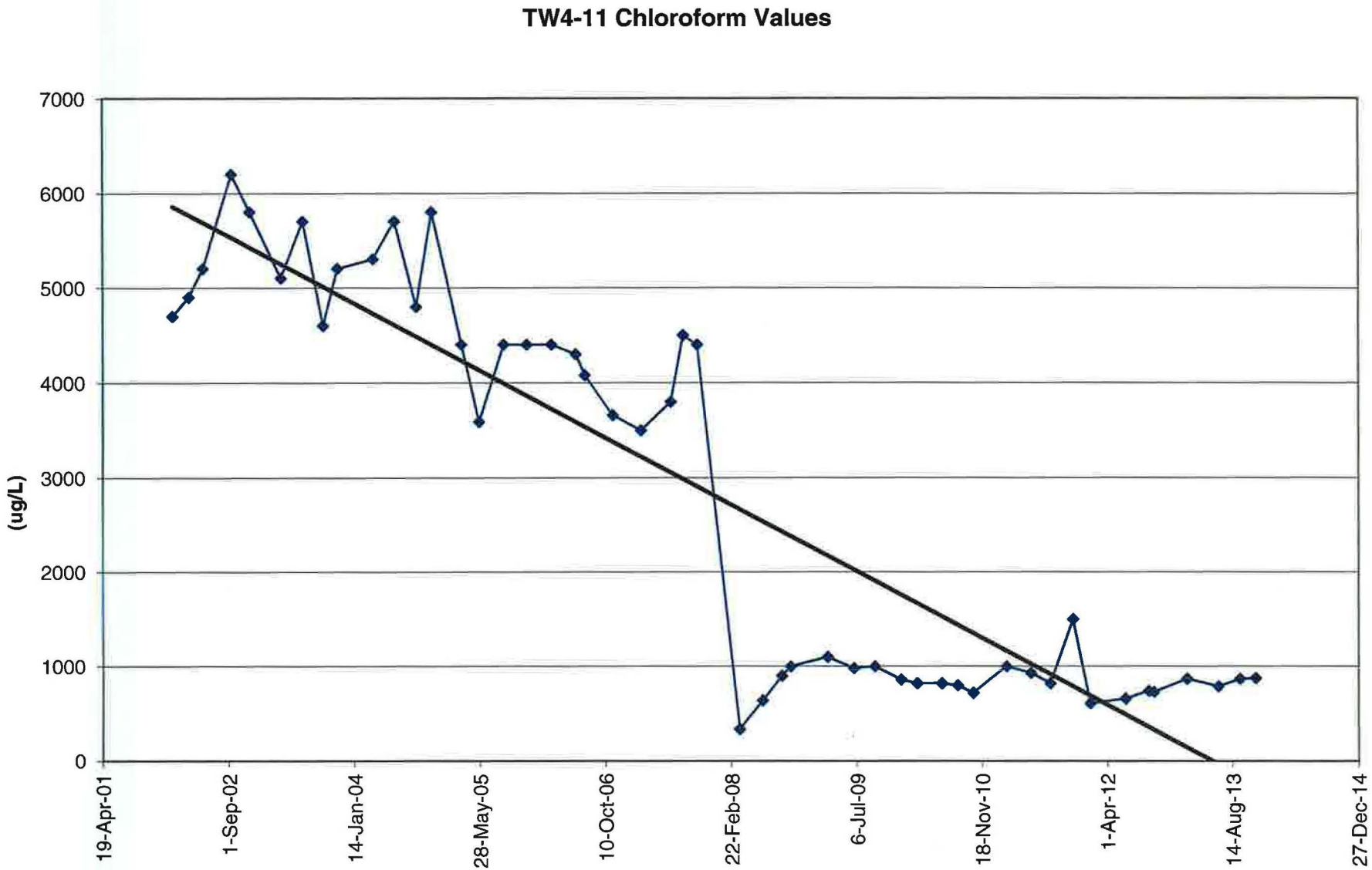

TW4-6 Chloroform Values
1200
1000
800
600
400
200
0
(ug/L)
07/24/98
04/19/01
01/14/04
10/10/06
07/06/09
04/01/12
12/27/14

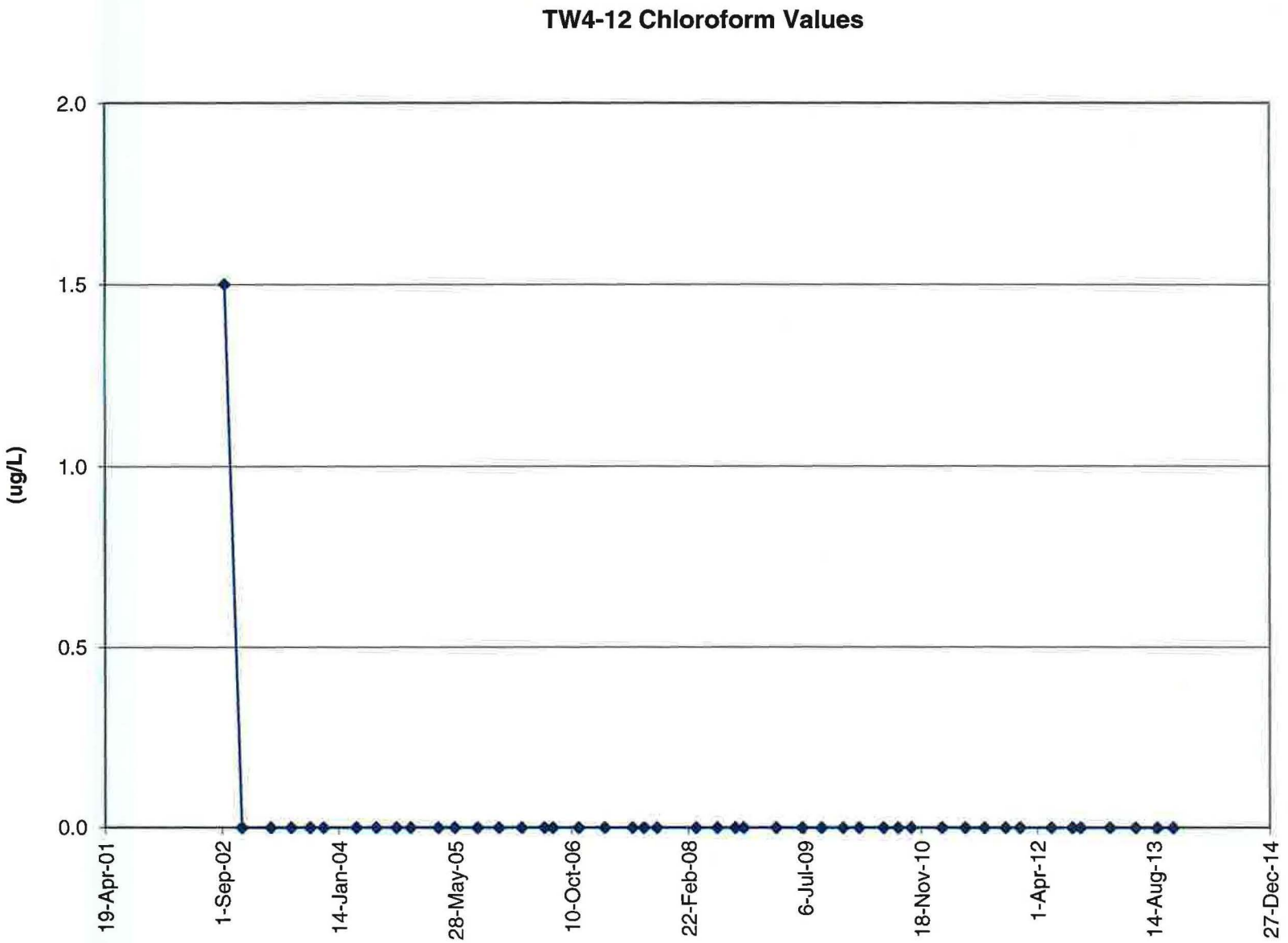

TW4-7 Chloroform Values
(ug/L)
6000
5000
4000
3000
2000
1000
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14

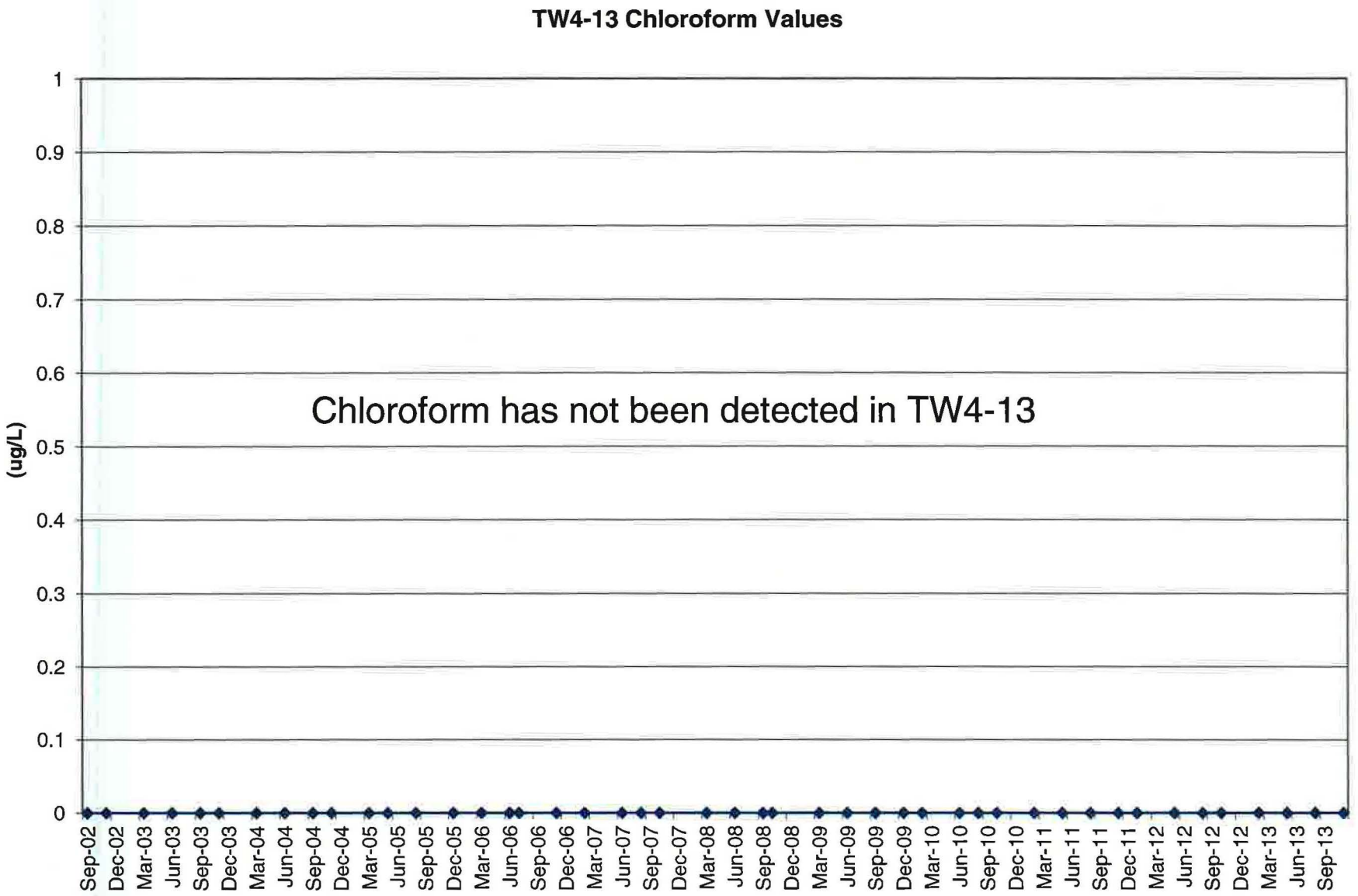

TW4-8 Chloroform Values
(ug/L)
500
450
400
350
300
250
200
150
100
50
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14

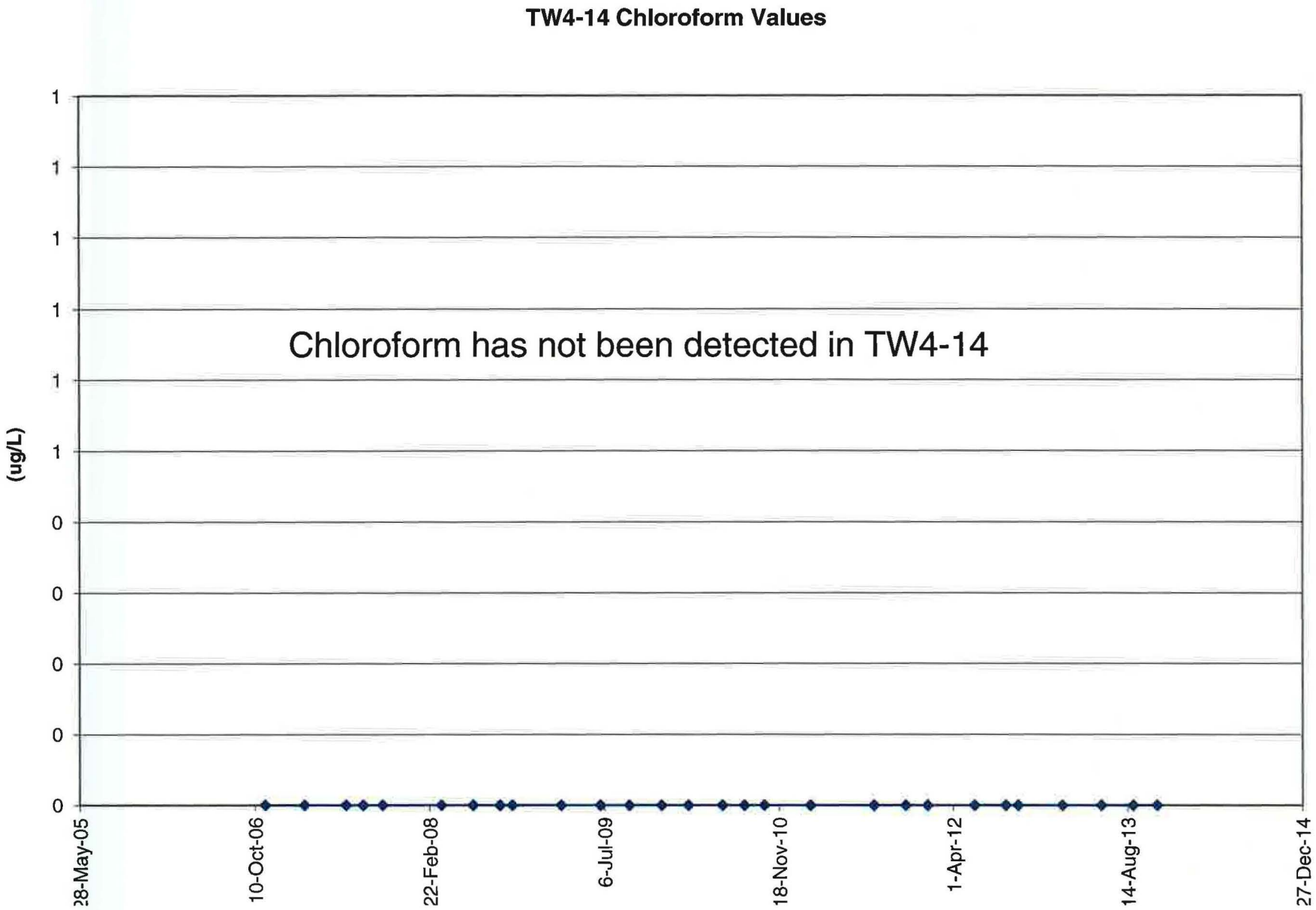

TW4-9 Chloroform Values
(ug/L)
70
60
50
40
30
20
10
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14

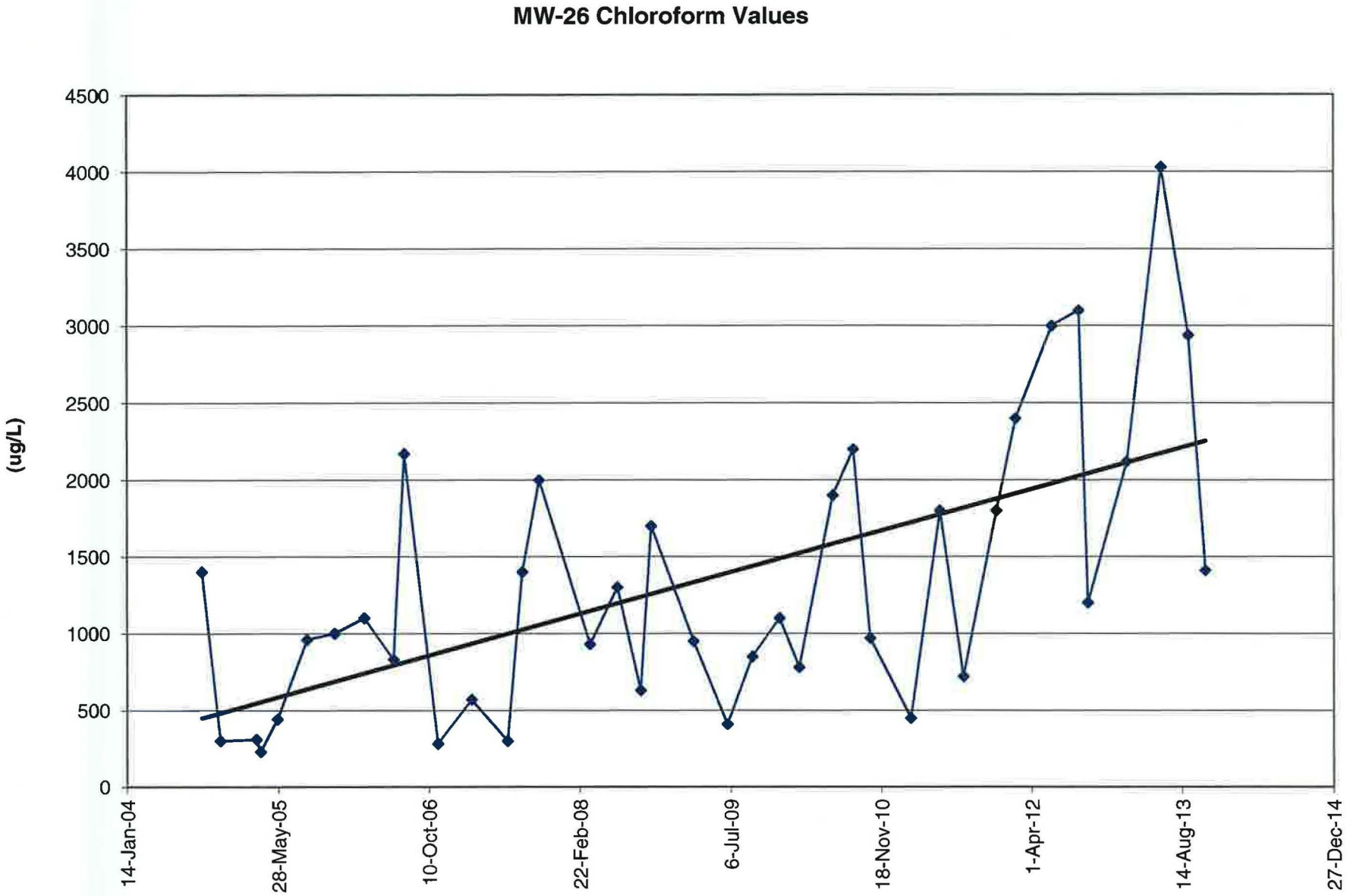

TW4-10 Chloroform Values
(ug/L)
1600
1400
1200
1000
800
600
400
200
0
19-Apr-01
1-Sep-02
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

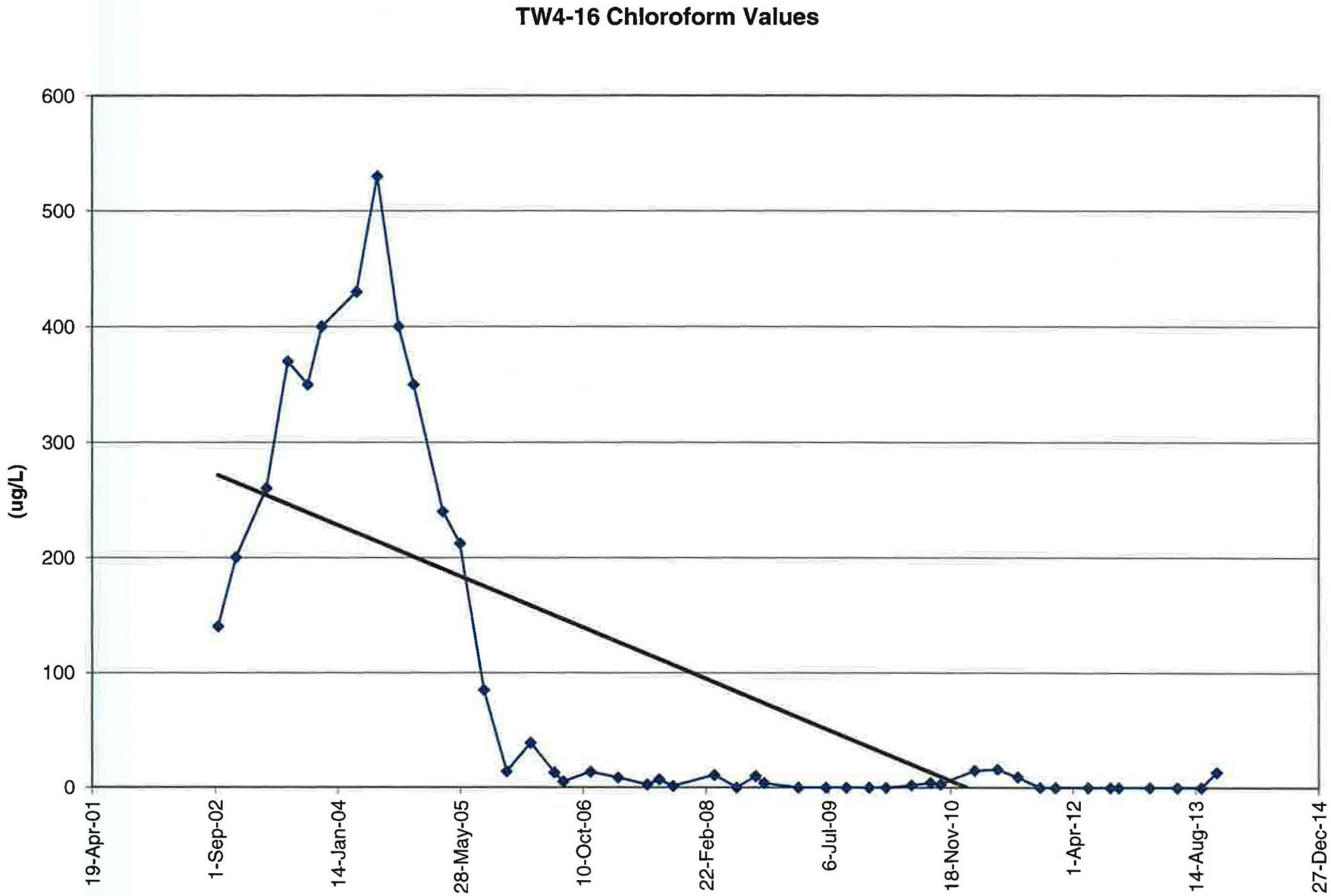

TW4-11 Chloroform Values
(ug/L)
7000
6000
5000
4000
3000
2000
1000
0
19-Apr-01
1-Sep-02
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14


TW4-12 Chloroform Values
(ug/L)
2.0
1.5
1.0
0.5
0.0
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

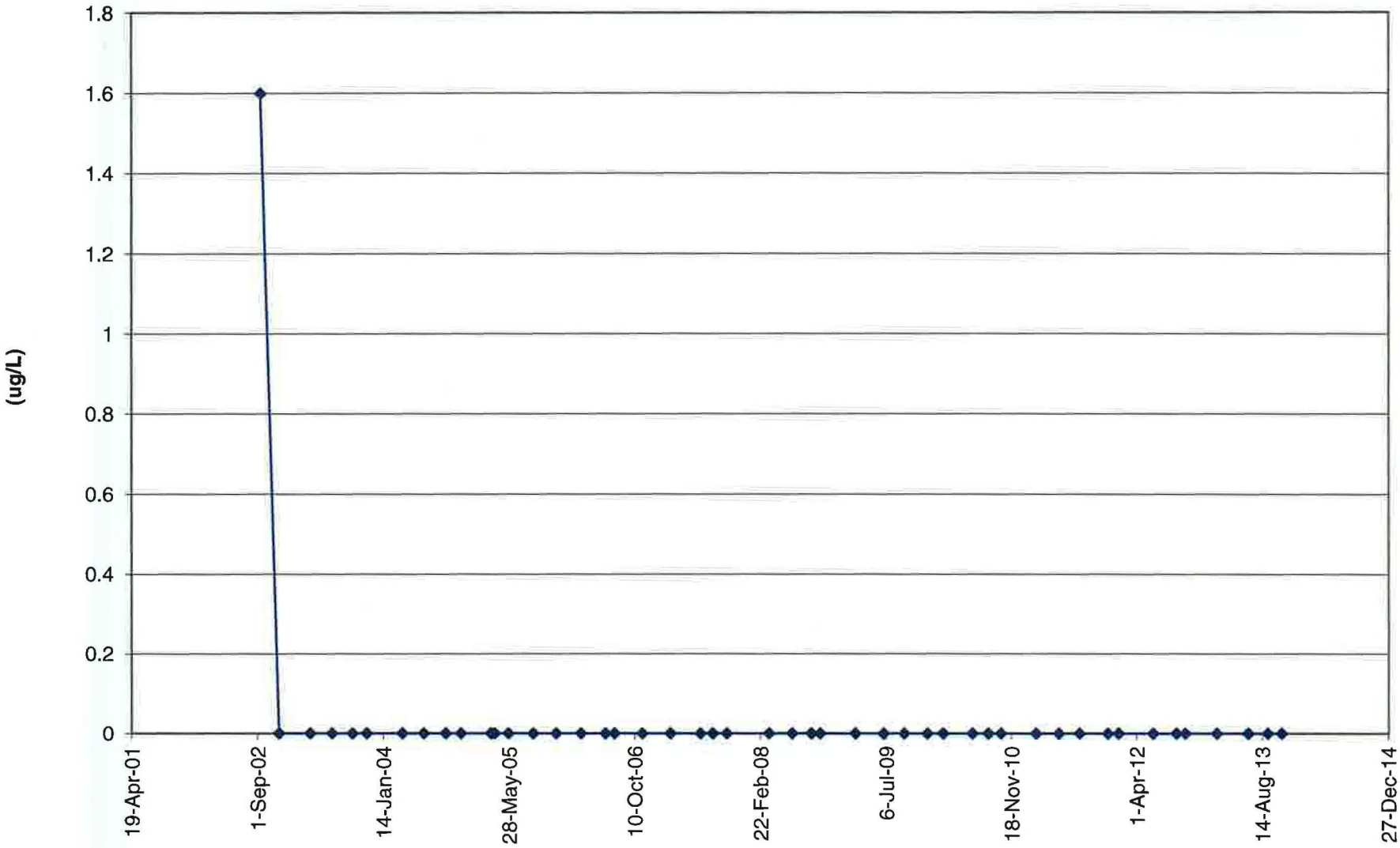

TW4-13 Chloroform Values
(ug/L)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Chloroform has not been detected in TW4-13
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Mar-06
Jun-06
Sep-06
Dec-06
Mar-07
Jun-07
Sep-07
Dec-07
Mar-08
Jun-08
Sep-08
Dec-08
Mar-09
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
Sep-13

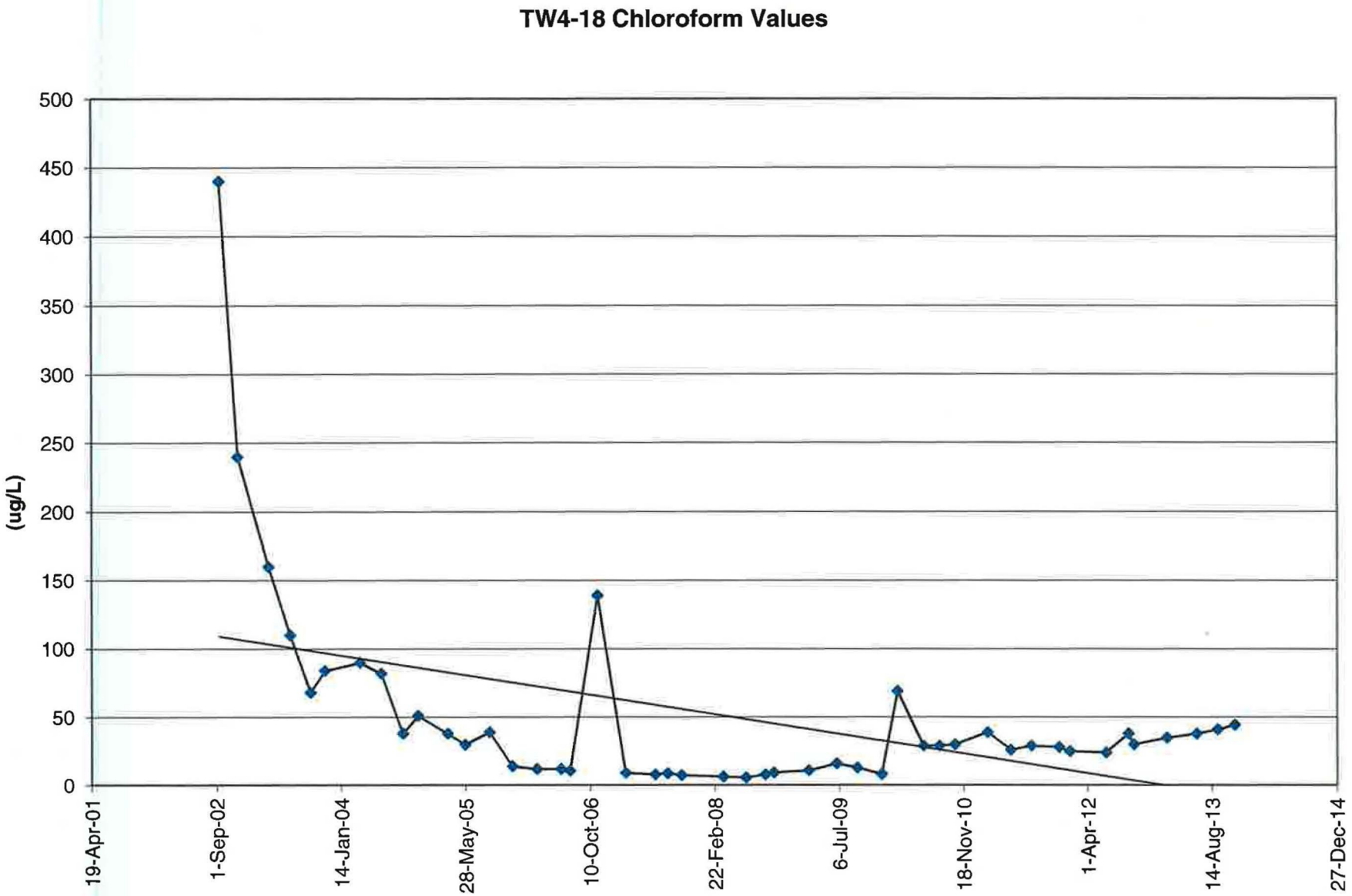

TW4-14 Chloroform Values
(ug/L)
1
1
1
1
1
1
0
0
0
0
0
Chloroform has not been detected in TW4-14
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

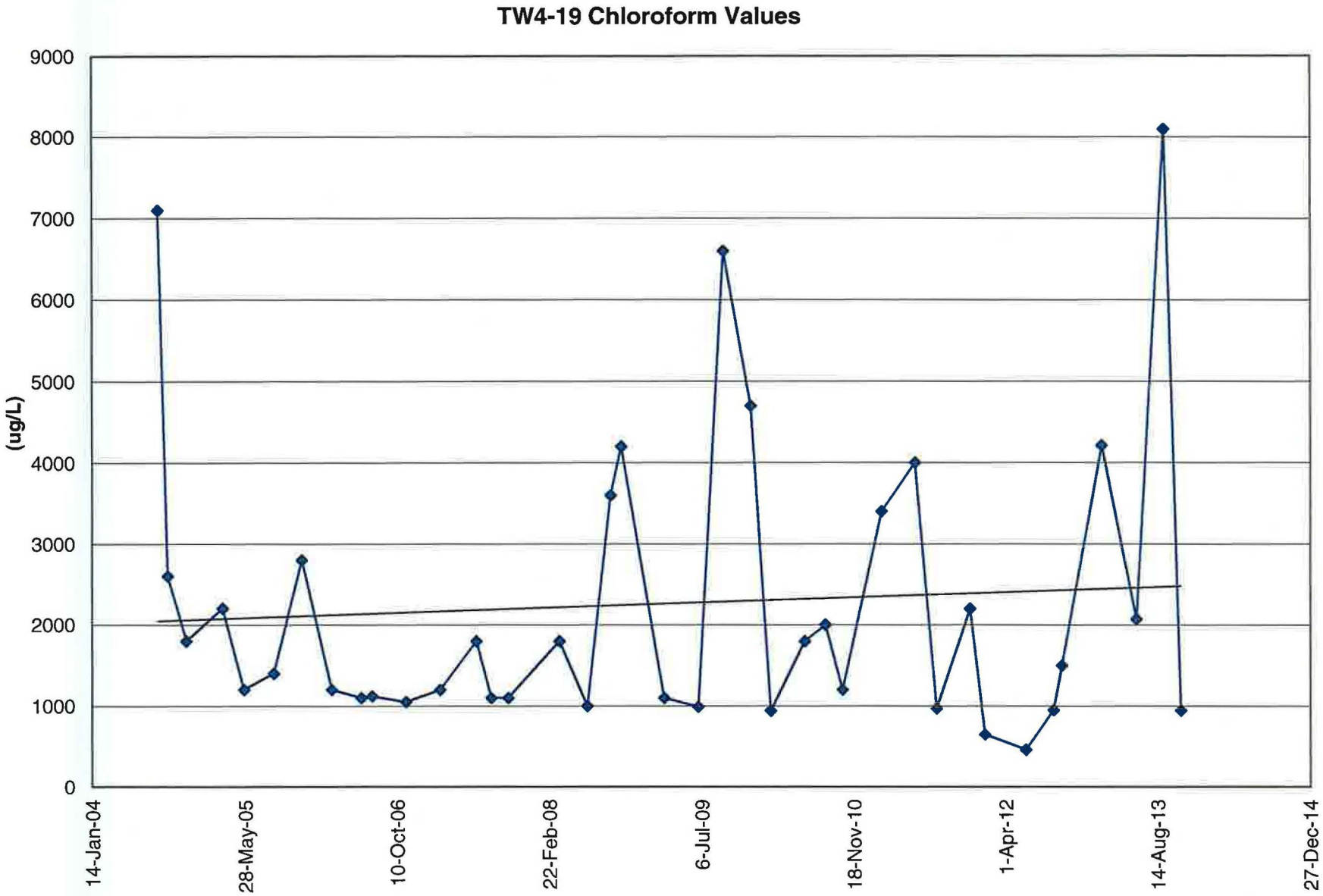

MW-26 Chloroform Values
(ug/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

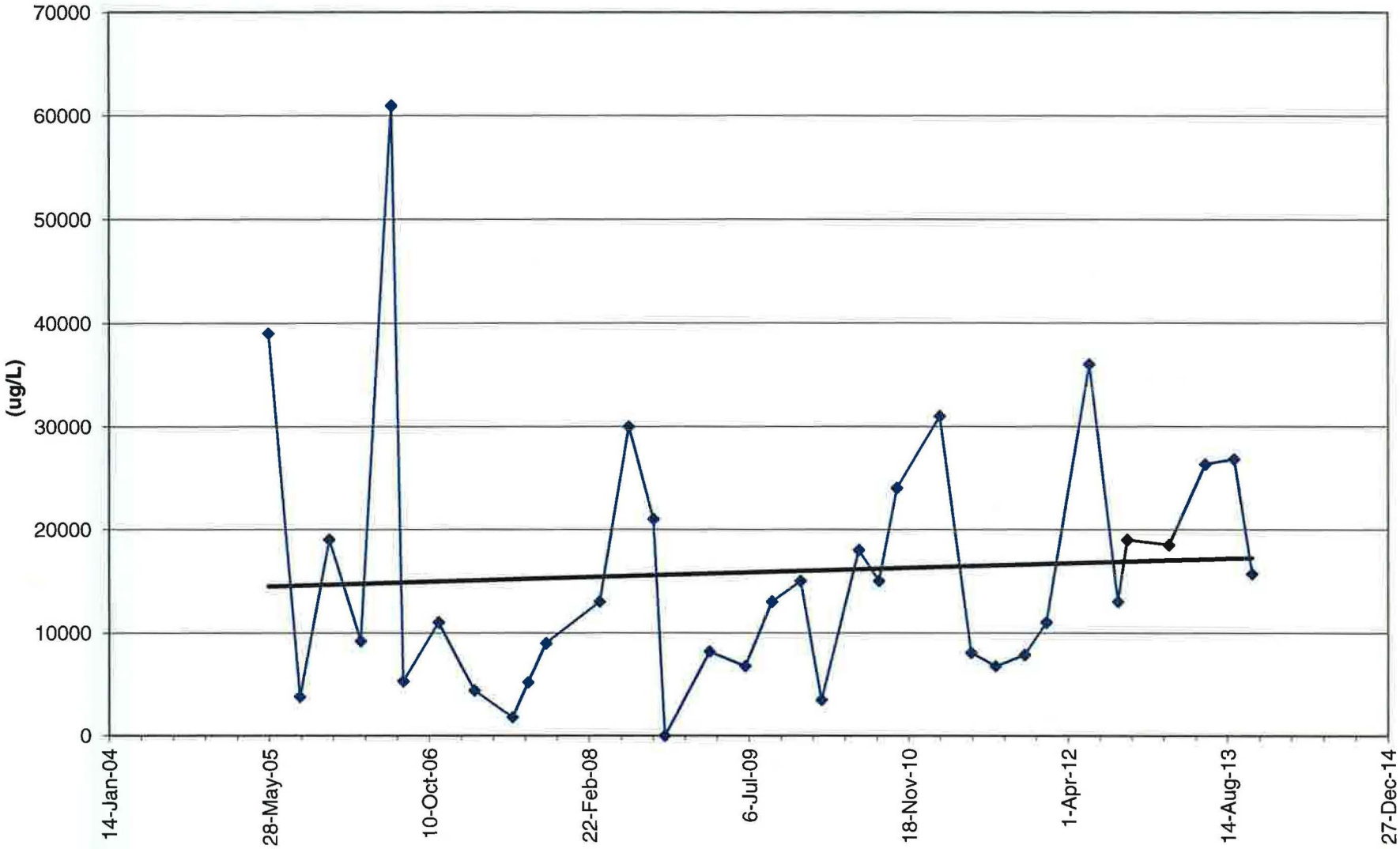

TW4-16 Chloroform Values
600
500
400
300
200
100
0
(ug/L)
19-Apr-01
1-Sep-02
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

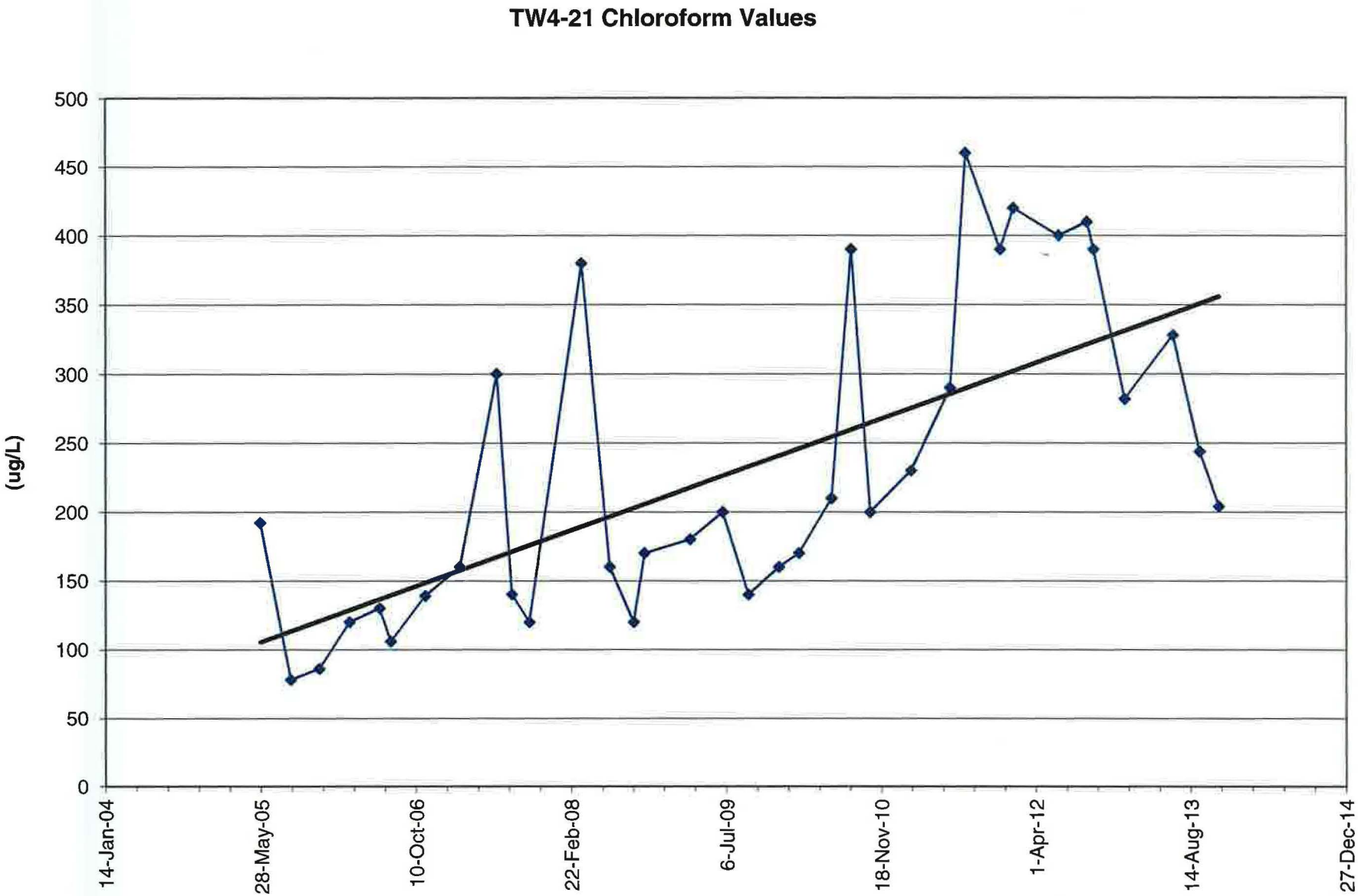
MW-32 Chloroform Values

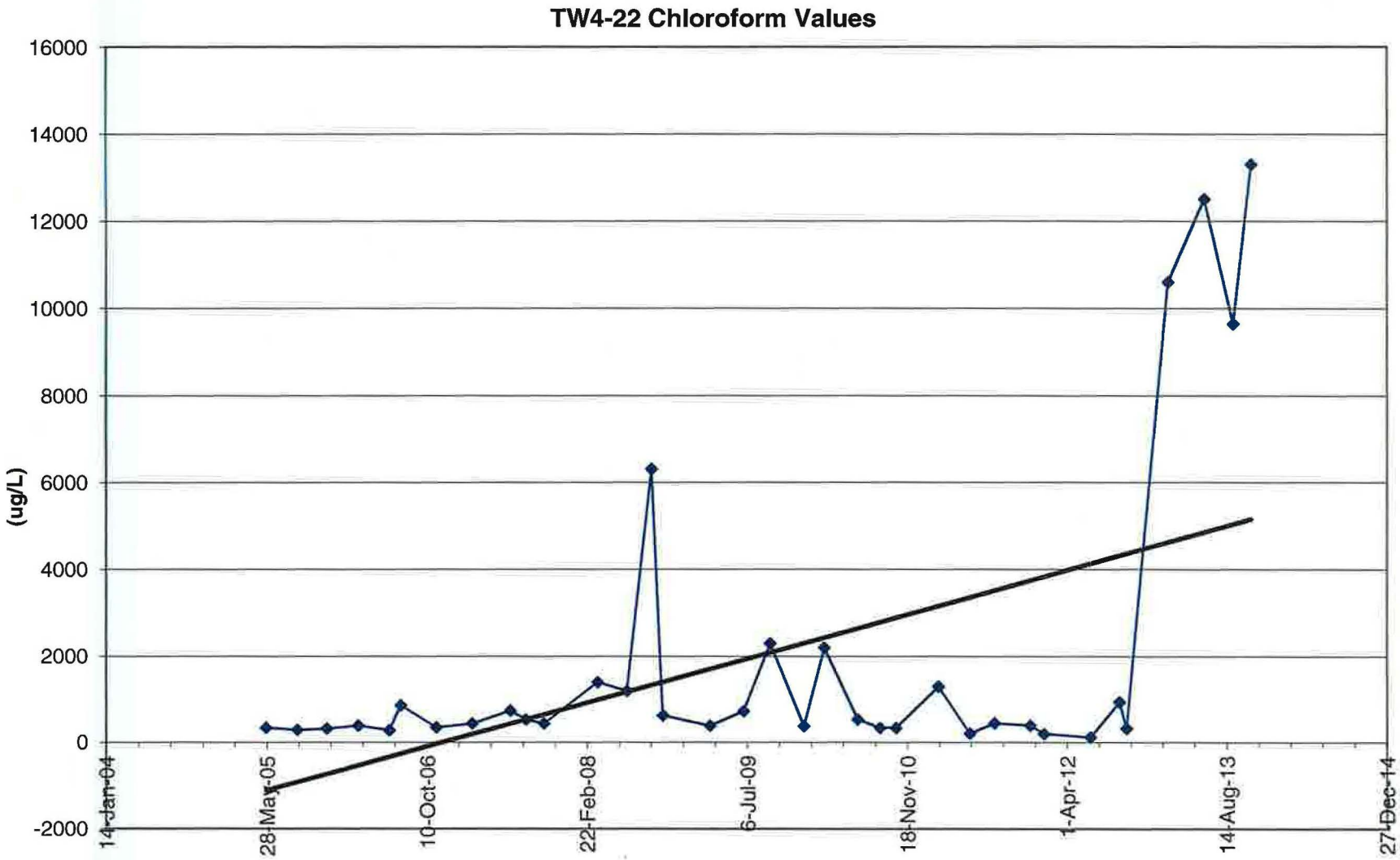


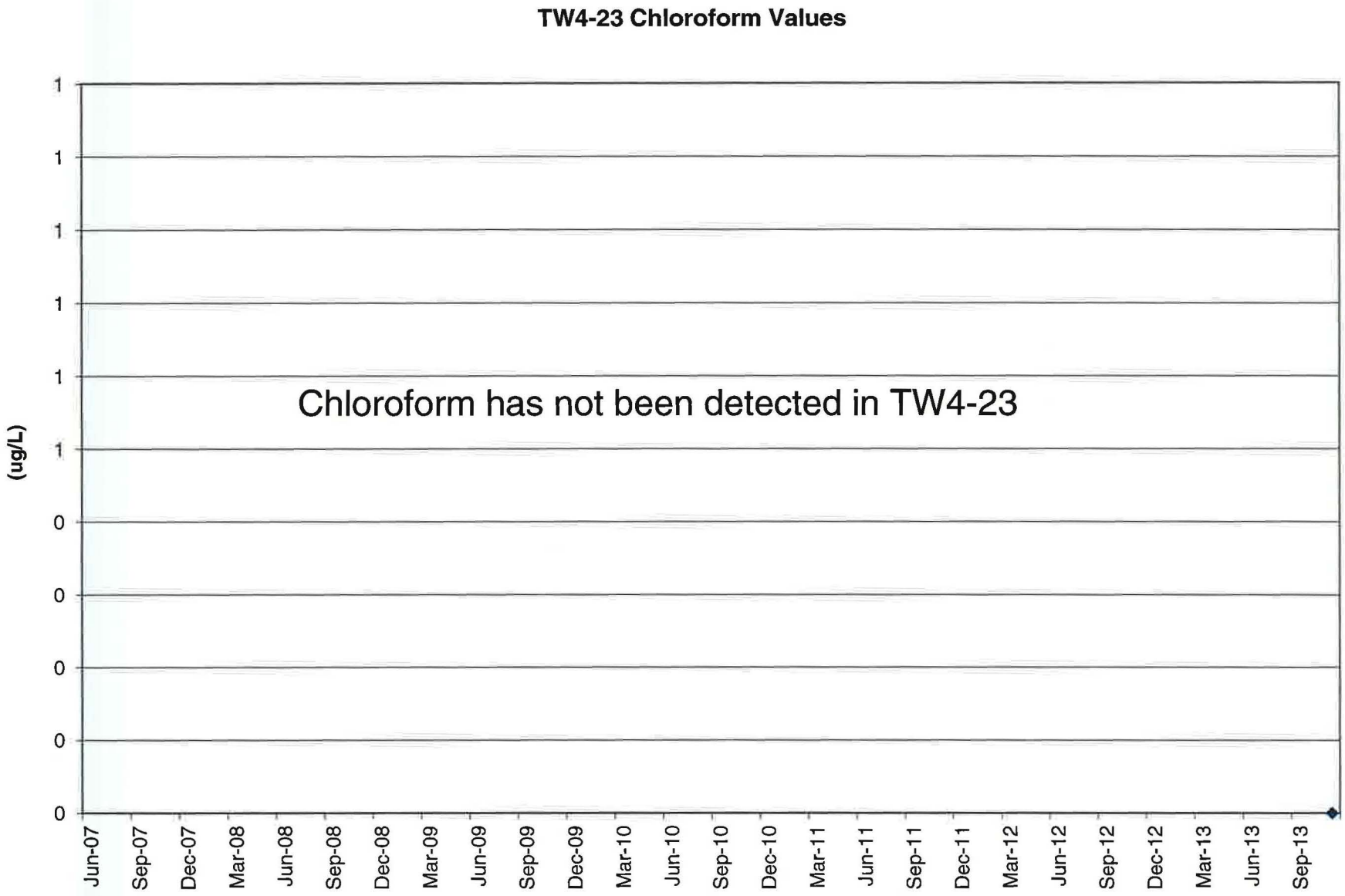

TW4-18 Chloroform Values
(ug/L)
500
450
400
350
300
250
200
150
100
50
0
19-Apr-01
1-Sep-02
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

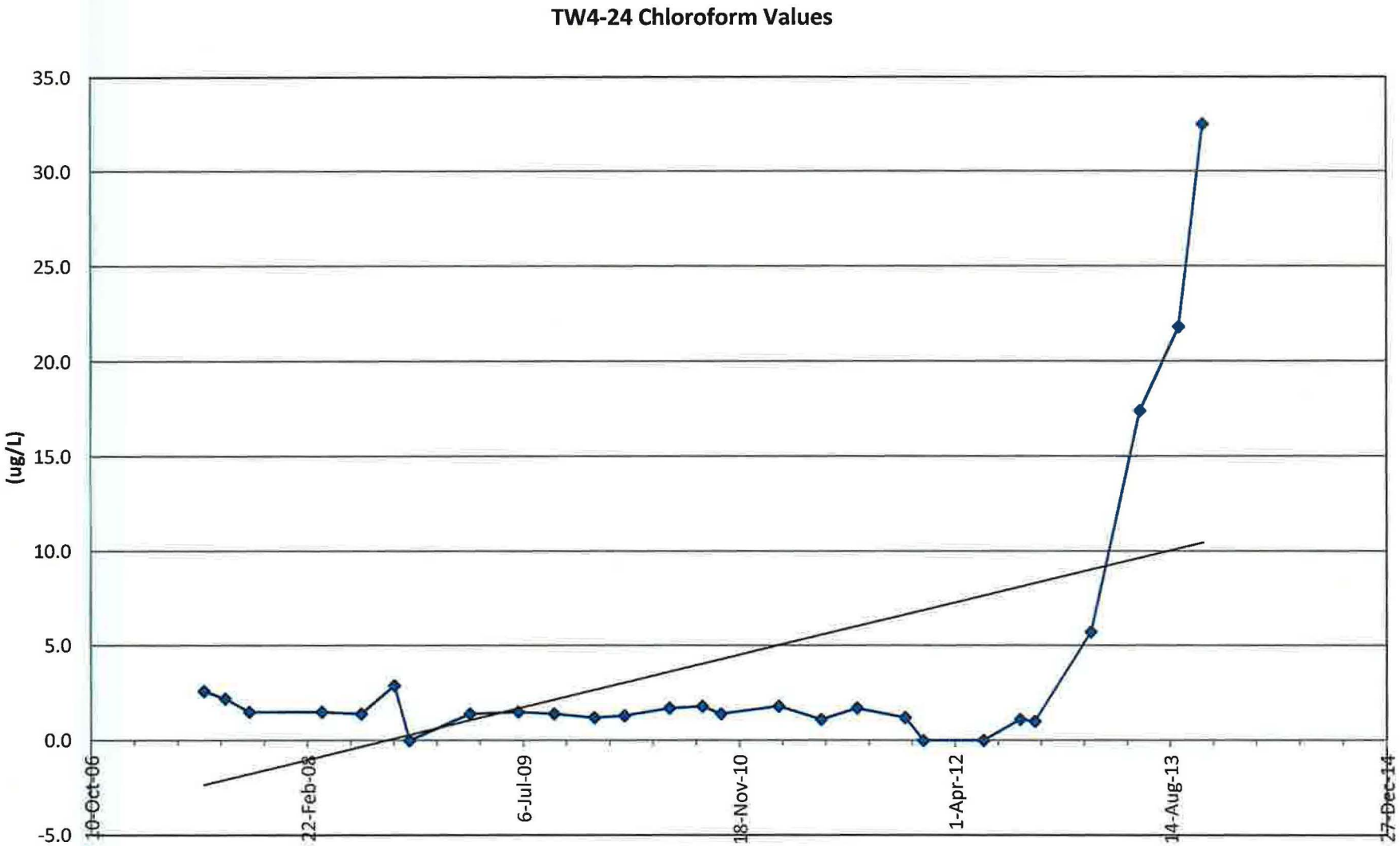

TW4-19 Chloroform Values
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
(ug/L)
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

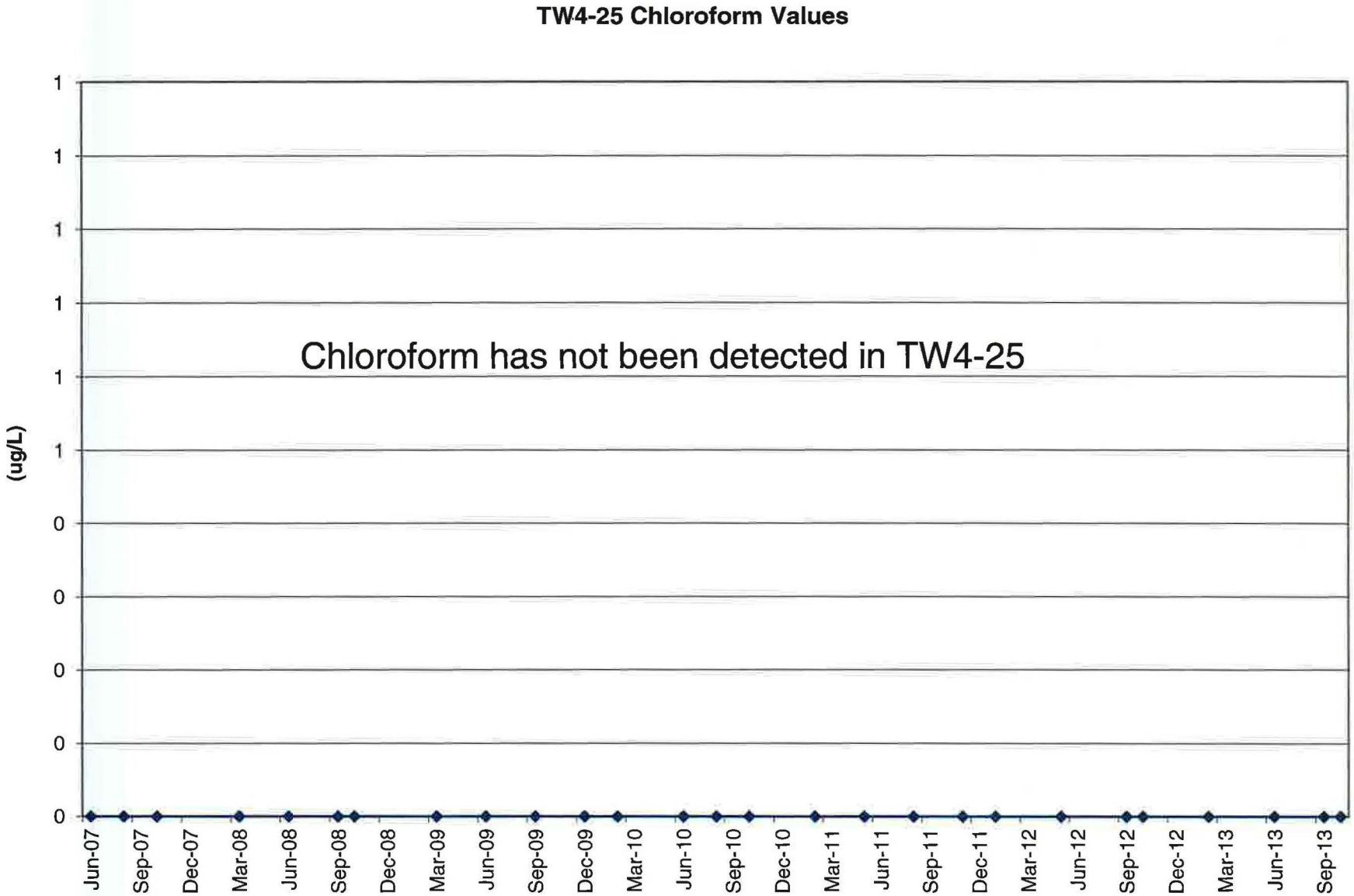

TW4-20 Chloroform Values
70000
60000
50000
40000
30000
20000
10000
0
(ug/L)
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

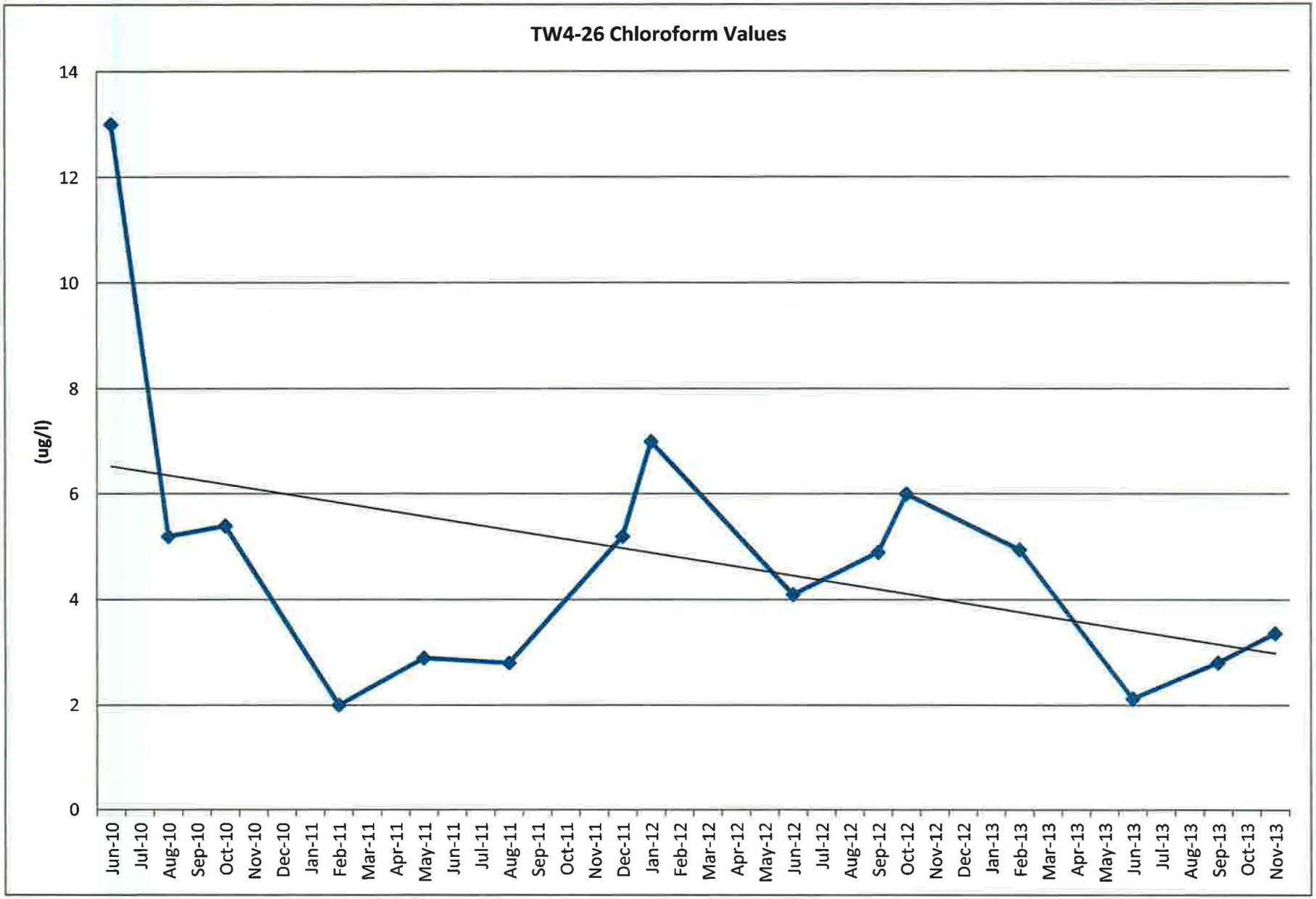

TW4-21 Chloroform Values
(ug/L)
500
450
400
350
300
250
200
150
100
50
0
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

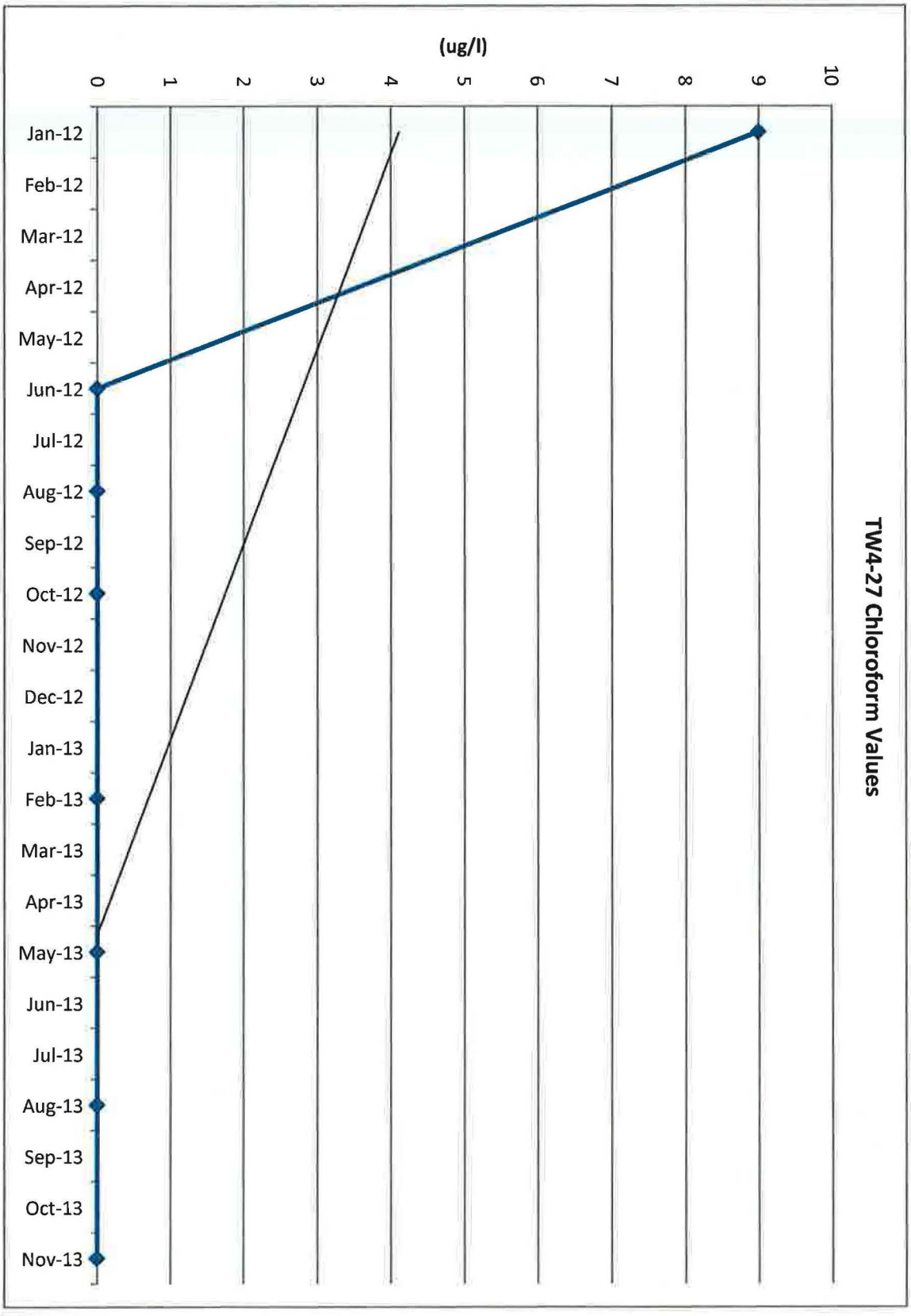

TW4-22 Chloroform Values
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
(ug/L)
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

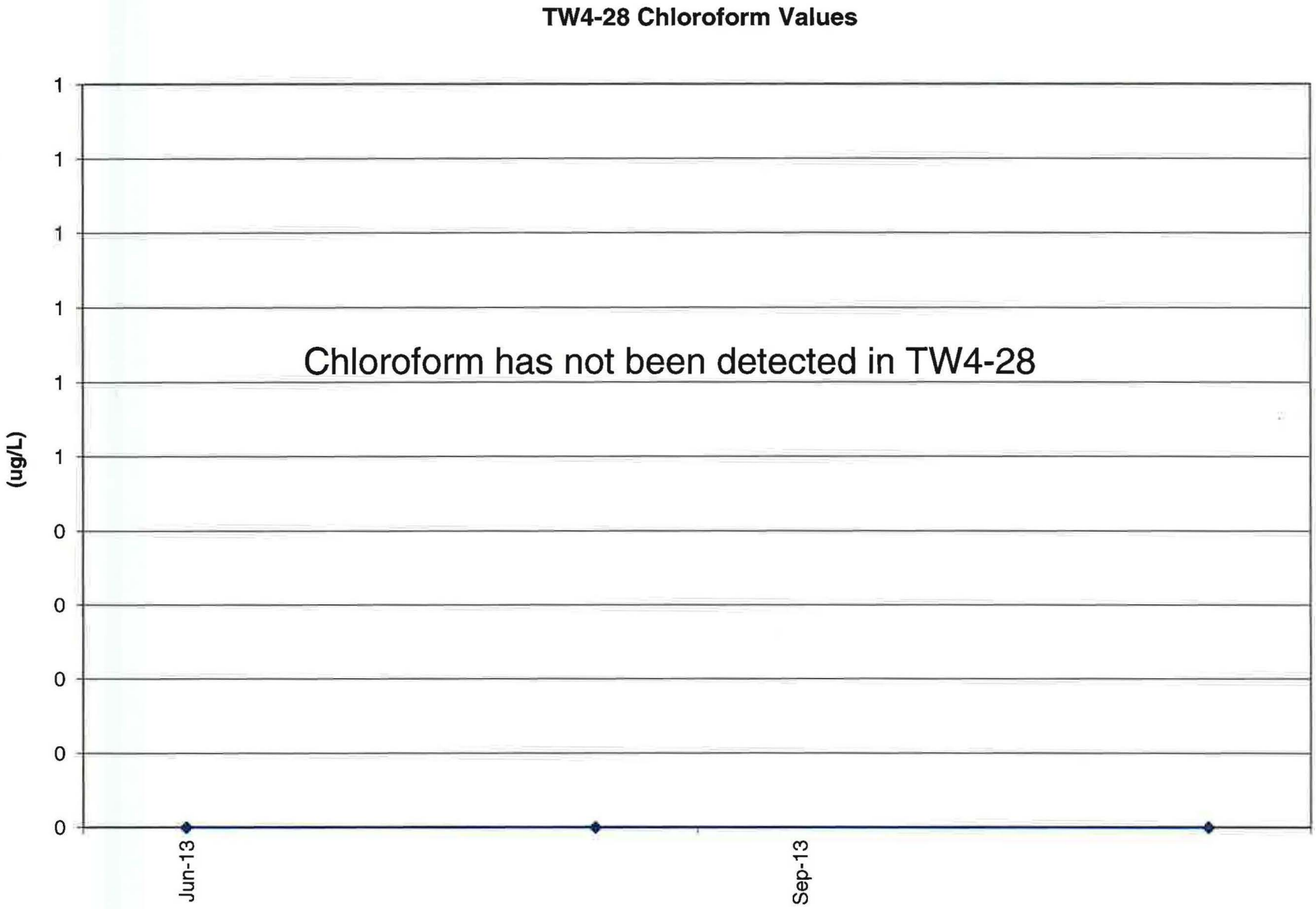

TW4-23 Chloroform Values
(ug/L)
1
1
1
1
1
1
0
0
0
0
0
Chloroform has not been detected in TW4-23
Jun-07
Sep-07
Dec-07
Mar-08
Jun-08
Sep-08
Dec-08
Mar-09
Jun-09
Sep-09
Dec-09
Mar-10
Jun-10
Sep-10
Dec-10
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12
Jun-12
Sep-12
Dec-12
Mar-13
Jun-13
Sep-13

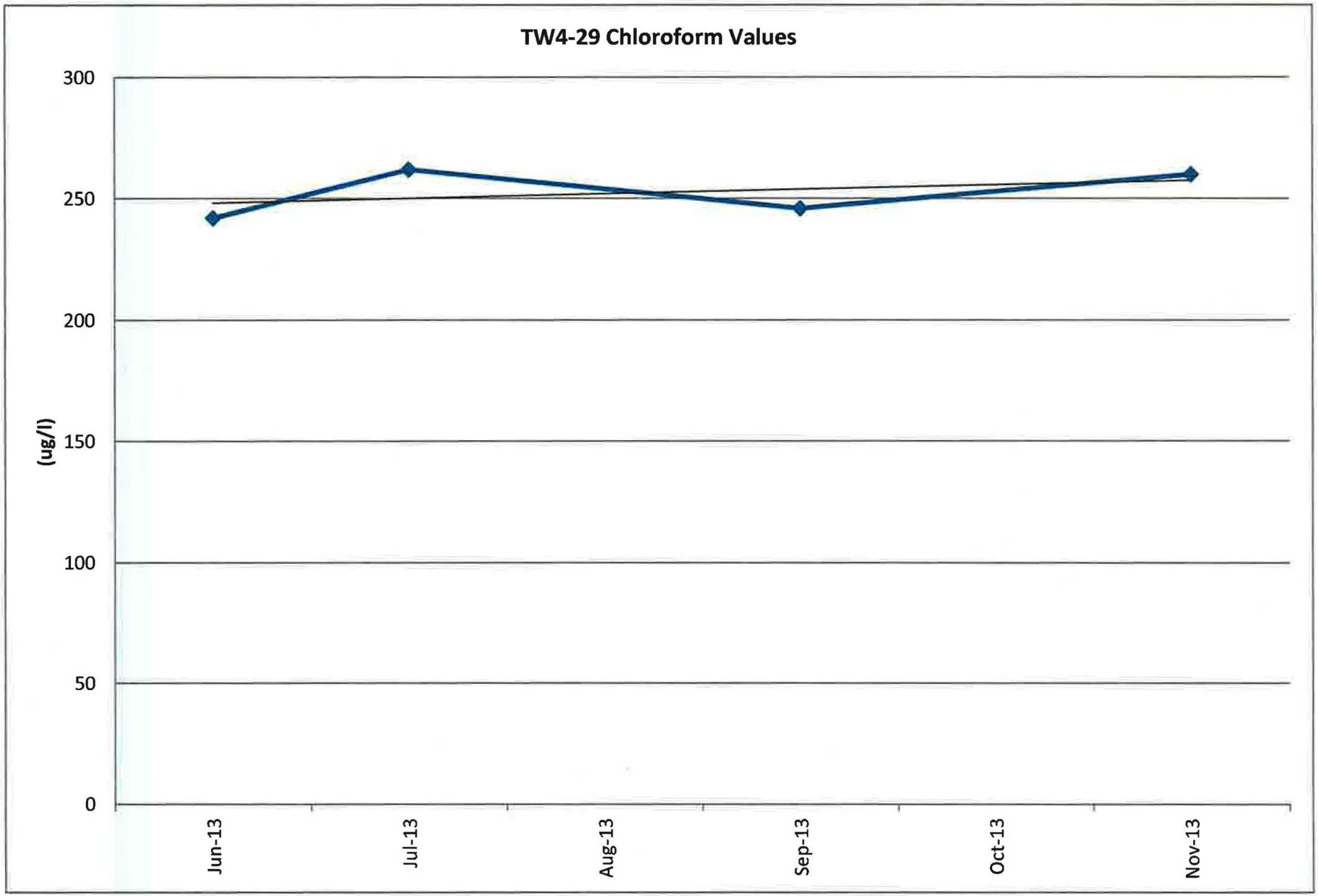

TW4-24 Chloroform Values
(ug/L)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
-5.0
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14

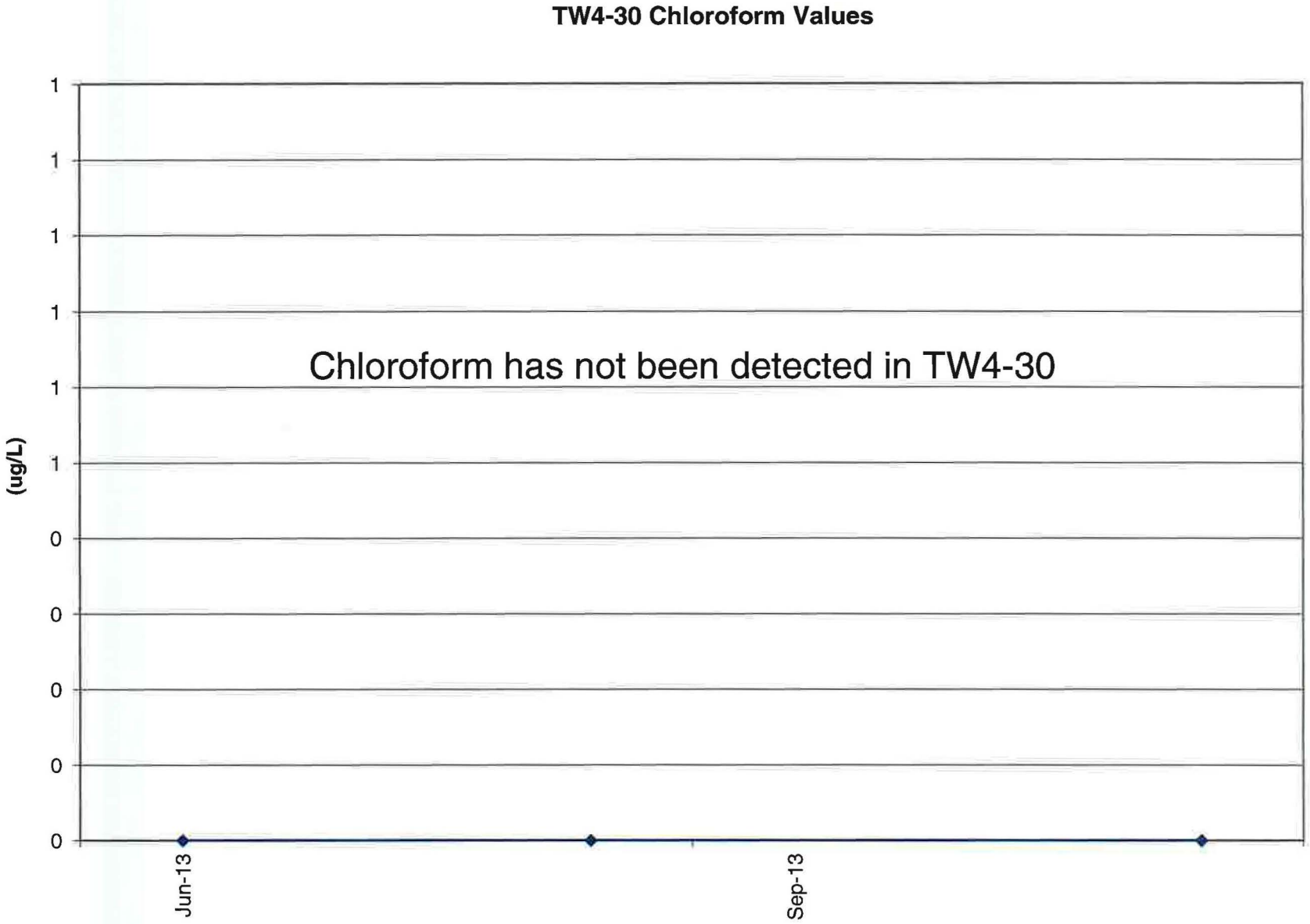

TW4-25 Chloroform Values
(ug/L)
1
1
1
1
1
1
0
0
0
0
0
Chloroform has not been detected in TW4-25
Jun-07
Sep-07
Dec-07
Mar-08
Jun-08
Sep-08
Dec-08
Mar-09
Jun-09
Sep-09
Dec-09
Mar-10
Jun-10
Sep-10
Dec-10
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12
Jun-12
Sep-12
Dec-12
Mar-13
Jun-13
Sep-13

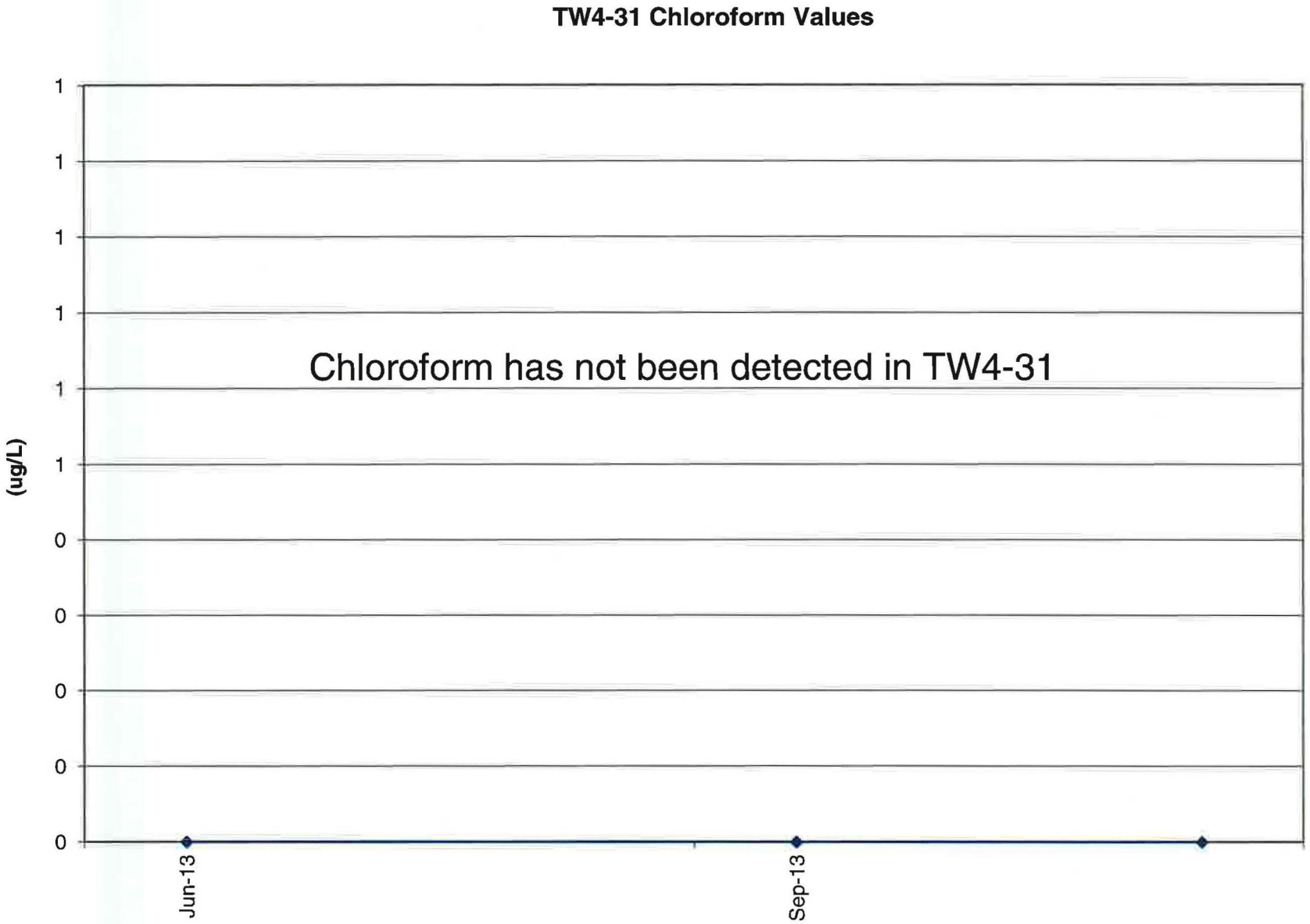

TW4-26 Chloroform Values
(ug/l)
0
2
4
6
8
10
12
14
Jun-10
Jul-10
Aug-10
Sep-10
Oct-10
Nov-10
Dec-10
Jan-11
Feb-11
Mar-11
Apr-11
May-11
Jun-11
Jul-11
Aug-11
Sep-11
Oct-11
Nov-11
Dec-11
Jan-12
Feb-12
Mar-12
Apr-12
May-12
Jun-12
Jul-12
Aug-12
Sep-12
Oct-12
Nov-12
Dec-12
Jan-13
Feb-13
Mar-13
Apr-13
May-13
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13

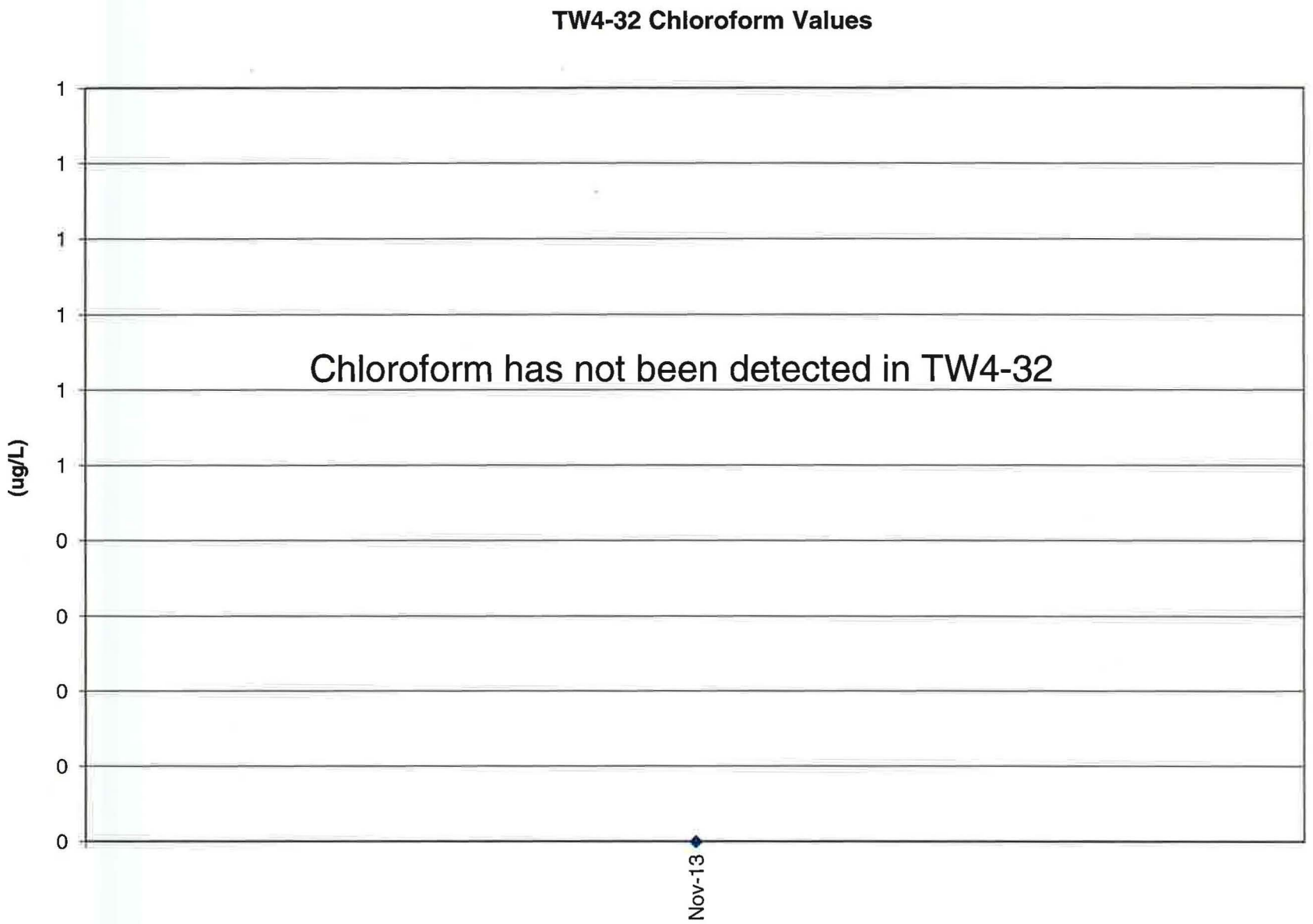

TW4-27 Chloroform Values
(ug/l)
0
1
2
3
4
5
6
7
8
9
10
Jan-12
Feb-12
Mar-12
Apr-12
May-12
Jun-12
Jul-12
Aug-12
Sep-12
Oct-12
Nov-12
Dec-12
Jan-13
Feb-13
Mar-13
Apr-13
May-13
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13

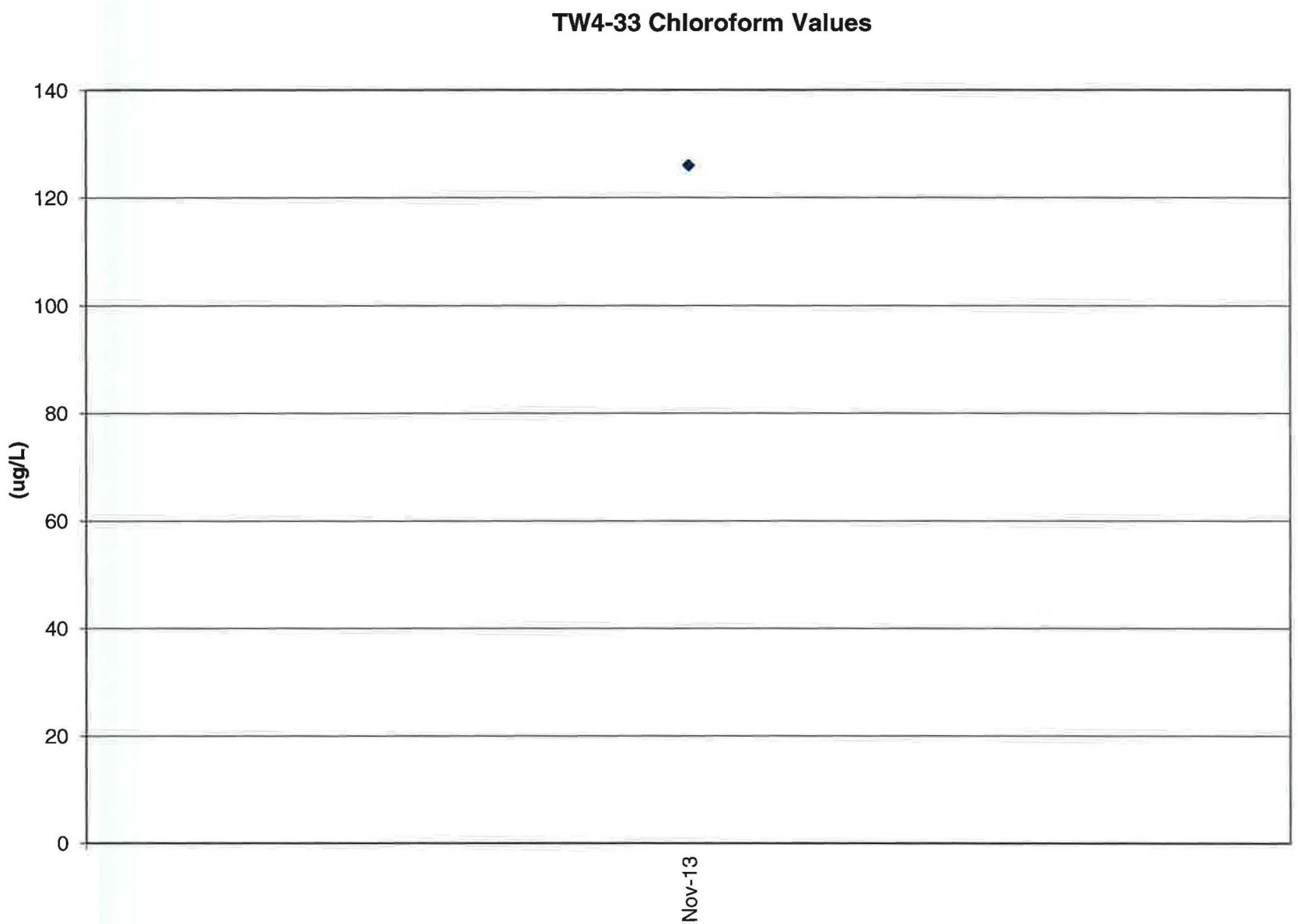

TW4-28 Chloroform Values
(ug/L)
1
1
1
1
1
1
0
0
0
0
0
Chloroform has not been detected in TW4-28
Jun-13
Sep-13


TW4-29 Chloroform Values
300
250
200
150
100
50
0
(ug/l)
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13

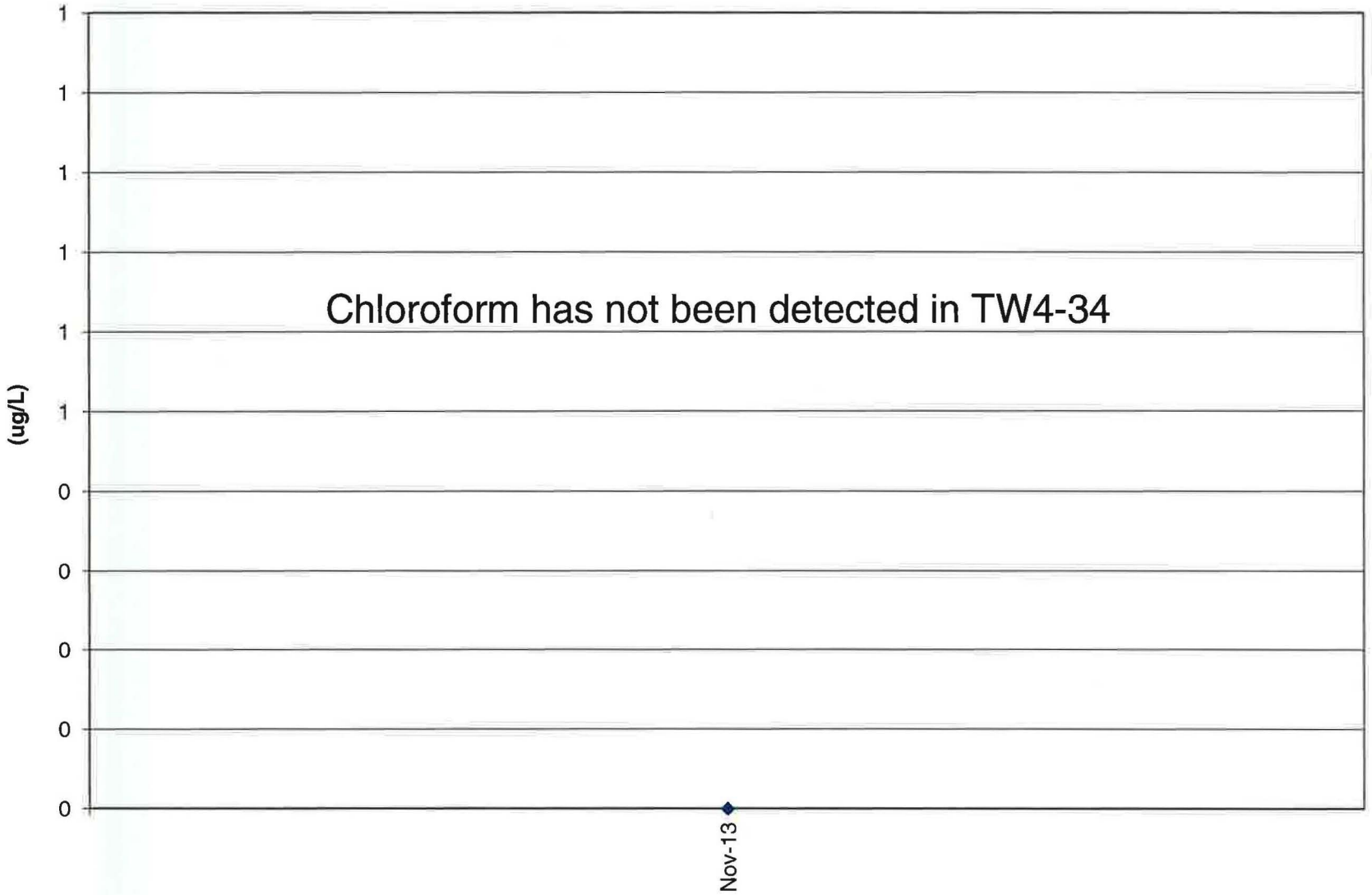

TW4-30 Chloroform Values
(ug/L)
1
1
1
1
1
1
0
0
0
0
0
Chloroform has not been detected in TW4-30
Jun-13
Sep-13


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


TW4-32 Chloroform Values
(ug/L)
1
1
1
1
1
1
0
0
0
0
0
Chloroform has not been detected in TW4-32
Nov-13


TW4-33 Chloroform Values
140
120
100
80
60
40
20
0
(ug/L)
Nov-13

TW4-34 Chloroform Values



Tab M

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Tuesday, February 18, 2014 9:09 AM
To: 'Rusty Lundberg'
Cc: 'Phillip Goble'; 'Dean Henderson'; Harold Roberts; Dan Hillsten; David Frydenlund; David Turk; Jaime Massey; Frank Filas, P.E
Subject: Transmittal of CSV Files White Mesa Mill 2013 Q4 Chloroform Monitoring
Attachments: 1310621-EDD.csv; 1311161-EDD.csv; 1311306-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 fourth quarter of 2013, in Comma Separated Value (CSV) format.

Please contact me at 303-389-4134 if you have any questions on this transmittal.

Yours Truly

Kathy Weinel