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

RECEIVED
FEB 2 7 2015
Division of Radiation Control

February 25, 2015

Sent VIA OVERNIGHT DELIVERY

DRC-2015-001483

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 2014 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 2014 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
Scott Bakken

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)
2014

Prepared by:

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

February 25, 2015

TABLE OF CONTENTS

LIST OF TABLES

INDEX OF TABS

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"), Division of Radiation Control ("DRC") 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 2014 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 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)	TW4-35
TW4-9	TW4-20	TW4-26	TW4-36
		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.

2.1.2 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.

2.1.3 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 DRC on May 25, 2006, a revised QAP for sampling under the Mill's 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 DRC's approval of the QAP, for reasons set out in correspondence to DRC dated December 8, 2006. Subsequent to the delivery of the December 8, 2006 letter, EFRI discussed the issues brought forward in the letter with DRC and has received correspondence from DRC about those issues. In response to DRC's letter and subsequent discussions with DRC, 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 Laboratory ("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.

Two 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:

<u>Purging Two Casing Volumes with Stable Field Parameters (within 10% RPD)</u>
Wells TW4-01, TW4-05, TW4-08, TW4-09, TW4-11, TW4-12, TW4-16, MW-32, TW4-18, TW4-21, TW4-23, and TW4-32 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.

<u>Purging a Well to Dryness and Stability of a Limited List of Field Parameters</u>
Wells TW4-02, TW4-03, TW4-06, TW4-07, TW4-10, TW4-13, TW4-14, TW4-26, TW4-27, TW4-28, TW4-29, TW4-30, TW4-31, TW4-33, TW4-34, TW4-35, and TW4-36 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, TW4-09, TW4-11, TW4-12, TW4-16, TW4-18, TW4-23, 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.

All duplicate results were within a 20% RPD in the quarterly samples. Duplicate results are provided under 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 outside of the acceptance limits 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 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 reduces 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.

Nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-2 started pumping during the first quarter of 2013. 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. By the fourth quarter of 2013, operation of the nitrate pumping system had produced well-defined impacts on water levels. The long-term interaction between the nitrate and chloroform pumping systems will require more data to be collected as part of routine monitoring.

As discussed above, variable permeability conditions likely contribute to 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, TW4-26, TW4-29, and TW4-33 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 rate of increase in water levels at TW4-6 after the start of pumping at TW4-4 (first quarter of 2010) was reduced to less than 0.5 feet/year suggesting that TW4-6 is within the hydraulic influence of TW4-4. Furthermore, water levels at TW4-6 have been trending downward since the fourth quarter of 2013 suggesting an additional influence related to the 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, even as the groundwater mound associated with recharge from the northern ponds diminishes over time due to cessation of water delivery to these 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 was measured at approximately 5530.4 feet above mean sea level ("ft amsl"). This is approximately 8 feet lower than the water level at TW4-6 (approximately 5538.7 ft amsl) and 13 feet lower than the water level at TW4-4 (approximately 5543.7 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 5527.8 ft amsl, similar to TW4-14 (approximately 5530.4 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 wells TW4-29 (located south of TW4-27) and TW4-33 (located between TW4-4 and TW4-29).

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 had not been 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 (5537.1 feet amsl) is, however, lower than water levels at adjacent wells TW4-6 (5538.7 feet amsl), and TW4-23 (5540.3 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 reduced the rate of long-term water level increase at TW4-14 and TW4-27 compared to nearby wells, yielding water levels that appeared anomalously low. This behavior is consistent with hydraulic test data collected from recently installed wells TW4-29, TW4-30, TW4-31, TW4-33, TW4-34 and new well TW4-35, 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; and HGC, July 1, 2014, Installation and Hydraulic Testing of TW4-35 and TW4-36, White Mesa Uranium Mill Near Blanding, Utah [As-Built Report]). 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, 2014 chloroform concentrations at TW4-26 and TW4-27 are 2.5 ug/L and non-detect, respectively and both wells are outside the chloroform plume.

Hydraulic tests also indicate that the permeability at new well TW4-36 is slightly higher than but comparable to the low permeability at TW4-27, suggesting that TW4-36, TW4-14 and TW4-27 are completed in a continuous low permeability zone.

Although chloroform exceeding 70 μg/L was detected at recently installed wells TW4-29 (located south of TW4-27) and TW4-33 (located between TW4-4 and TW4-29), chloroform was not detected at recently installed wells TW4-30 (located east and downgradient of TW4-29), nor TW4-31 (located east of TW4-27), nor TW4-34 (located south and cross-gradient of TW4-29), nor at new well TW4-35 (located southeast and cross- to downgradient 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 TW4-36, 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, TW4-34, and new well TW4-35. TW4-30 is downgradient of TW4-29; TW4-26 is upgradient of TW4-29; TW4-27 and TW4-34 are cross-gradient of TW4-29; and new well TW4-35 is cross- to downgradient 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, suggest 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. Since installation in 2013, concentrations at TW4-29 and TW4-33 appear to be relatively stable.

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 2014, as submitted with the Chloroform Monitoring Report for the third quarter of 2014, is attached under Tab E.

A comparison of the water table contour maps for the current quarter (fourth quarter of 2014) to the water table contour maps for the previous quarter (third quarter of 2014) indicates slightly increased drawdowns related to operation of chloroform pumping wells MW-26 and TW4-20, and nitrate pumping wells TW4-22, TW4-24, and 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 evident as of the fourth quarter of 2013. While water levels in nitrate pumping wells TW4-22, TW4-24, and TW4-25 showed decreases, the water level at TWN-2 showed an increase this 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.

Small (<1 foot) changes in water levels were reported at the majority of site wells; water levels and water level contours for the site have not changed significantly since the last quarter except for a few locations. Reported decreases in water levels (increases in drawdown) of approximately 3.4, 1.6, 1.4, 2.5, and 2.8 feet occurred in chloroform pumping wells MW-26 and TW4-20, and nitrate pumping wells TW4-22, TW4-24, and TW4-25, respectively. An increase in water level (decrease in drawdown) of approximately 5 feet was reported for nitrate pumping well TWN-2. Changes in water levels at other pumping wells (chloroform pumping wells MW-4, TW4-4, and TW4-19) were less than 1 foot. 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.

Although decreases in water levels (increases in drawdown) occurred at chloroform pumping wells MW-26 and TW4-20, and nitrate pumping wells TW4-22, TW4-24, and TW4-25, the apparent capture of these wells relative to other pumping wells has increased in some cases and decreased in others, while the overall capture of the combined pumping systems has increased slightly.

Reported water level decreases of less than 1 foot at Piezometers 1 through 3, TWN-1, TWN-4, TWN-6, TWN-18, and MW-19 may 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. Reported water level decreases of approximately 0.6 feet and 0.7 feet at Piezometers 4 and 5, respectively, may result from reduced recharge at the southern wildlife pond.

Reported water levels decreased by approximately 4.3 feet at MW-20 and increased by approximately 4.8 feet at MW-37 between the previous quarter and the current quarter. Water level variability at these wells is likely the result of low permeability and variable intervals between purging/sampling and water level measurement. A decrease in water level of approximately 2.9 feet and increases of approximately 2.4 feet and 2.9 feet were reported at DR-17, MW-23 and TW4-21, respectively.

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.

Compared to last quarter, reported changes in water levels at nitrate pumping wells other than TWN-2 were less than three feet, as were the reported water level changes at chloroform pumping wells other than MW-26. A large increase of approximately 5 feet was reported for nitrate pumping well TWN-2, and a decrease of approximately 3.4 feet was reported for chloroform pumping well MW-26. The apparent overall capture of the combined nitrate and chloroform pumping systems has increased slightly since last quarter.

The capture associated with nitrate pumping wells is expected to increase over time as water levels continue to decline due to cessation of water delivery to the northern wildlife ponds and continued pumping. 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 at many locations have been or appear to be affected by changes associated with reduced dilution from the wildlife ponds and nitrate pumping. For example, increases in chloroform at TW4-22 and TW4-24 after these wells were converted to nitrate pumping wells are attributable to westward migration of chloroform from the vicinity of TW4-20 toward these wells. The increase in concentration at TW4-8 from non-detect to 100 μg/L in the first quarter of 2014 (and to 191 μg/L this quarter) is likely related to reduced dilution. As will be discussed in Section 4.2.3, the chloroform concentration in TW4-6 increased from 260 μg/L last quarter, to 723 μg/L this quarter. This change is likely related to both reduced dilution and more westward flow induced by nitrate pumping.

TW4-6 is located immediately south and cross- to downgradient of chloroform pumping well TW4-4. Chloroform concentrations at TW4-6 exceeded 70 μg/L between the first quarter of 2009 and the third quarter of 2010, and remained below 70 μg/L between the fourth quarter of 2010 and the second quarter of 2014. Relatively low permeability and relatively small saturated thickness in the vicinity of TW4-6 limit the rate at which chloroform mass can be removed by pumping. However, pumping at more productive upgradient locations such as TW4-4 enhances mass removal and lowers hydraulic gradients, thereby reducing the rate of downgradient chloroform migration and allowing natural attenuation to be more effective. Pumping at TW4-4 was implemented during the first quarter of 2010 to improve capture downgradient of TW4-4 to the extent allowable by the lower productivity conditions present in this area. The beneficial effect of pumping TW4-4 is demonstrated by the net decreases in TW4-6 chloroform concentrations from 1,000 μg/L to 10.3 μg/L, and in TW4-26 from 13 μg/L to 4.2 μg/L, between the initiation of TW4-4 pumping and the second quarter of 2014. Concentrations at these wells 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 TW4-4 pumping began does suggest that TW4-6 is within the hydraulic influence of TW4-4. Regardless of whether TW4-6 can be demonstrated to be within the hydraulic capture of TW4-4, pumping TW4-4 helps to reduce chloroform migration to TW4-6, TW4-26, and other downgradient locations by the mechanisms discussed above.

Likewise, pumping at other productive upgradient locations has a beneficial impact on downgradient chloroform even if the downgradient chloroform is not completely within the hydraulic capture of the productive upgradient well(s). For example, pumping at MW-26 likely reduced chloroform concentrations at TW4-16 from a maximum of 530 μg/L in the second quarter of 2004 to less than 70 μg/L by the fourth quarter of 2005, and maintained concentrations below 70 μg/L until the second quarter of 2014, even though TW4-16 appears to be just beyond the hydraulic capture of MW-26.

Furthermore, the overall hydraulic capture of the chloroform pumping system is expected to expand as wells TW4-1, TW4-2, and TW4-11 are added to the chloroform pumping network. Operation of these additional wells will be discussed in the next (first quarter, 2015) quarterly report.

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, TW4-14 and TW4-36. The apparent migration pathway from TW4-4 to TW4-29 is consistent with chloroform exceeding 70 µg/L detected at recently installed 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 at TW4-6 and TW4-26 that occurred once TW4-4 pumping began.

Chloroform analytical results from new wells TW4-35 and TW4-36 (to be discussed in Section 4.2.3) demonstrate that chloroform is bounded to the southeast of TW4-29 and to the east of TW4-8.

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: TW4-1, TW4-5, TW4-6, TW4-8, TW4-9, TW4-19, TW4-20, and TW4-26;

b) Chloroform concentrations decreased by more than 20% in the following wells compared to last quarter: MW-26 and TW4-24;

c) Chloroform concentrations have remained within 20% in the following wells compared to last quarter: MW-4, TW4-2, TW4-4, TW4-7, TW4-10, TW4-11, TW4-16, TW4-18, TW4-21, TW4-22, TW4-29, and TW4-33;

d) Chloroform concentrations have remained non-detect in the following wells: MW-32, TW4-3, TW4-12, TW4-13, TW4-23, TW4-25, TW4-27, TW4-28, TW4-30, TW4-31, TW4-32, TW4-34, TW4-35, and TW4-36; and

e) Chloroform increased from non-detect to approximately 1.7 μg/L in TW4-14.

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, TW4-1, TW4-5, TW4-6, TW4-8, TW4-9, TW4-19, TW4-20, TW4-24, and TW4-26 had changes in concentration greater than 20%. Of these, MW-26, TW4-19 and TW4-20 are chloroform pumping wells, and TW4-24 is a nitrate pumping well. TW4-1 is located adjacent to chloroform pumping well MW-4; TW4-5 and TW4-9 are located near chloroform pumping wells MW-26, TW4-19, and TW4-20; and TW4-6 is located adjacent to chloroform pumping well TW4-4, Fluctuations in concentrations at both chloroform and nitrate pumping wells and wells adjacent to pumping wells likely result in part from changes in pumping. Well TW4-26 is located just south of the southern chloroform plume boundary. Slight changes in plume boundaries and concentrations at wells near the boundaries are expected to result from changes in pumping.

The chloroform concentration at TW4-9 increased from approximately 47 μg/L to 101 μg/L. The plume boundary is now located between TW4-9 and TW4-12 (which is non-detect for chloroform and cross-gradient of TW4-9). The increase is likely the result primarily of reduced dilution from the northern wildlife ponds.

Chloroform pumping well TW4-20 and nitrate pumping well TW4-22 had the highest detected chloroform concentrations of 23,300 and 12,400 μg/L, respectively. Since the last quarter, the chloroform concentration in TW4-20 increased from 12,400 to 23,300 μg/L, the concentration in adjacent pumping well TW4-19 increased from 1,410 to 4,310 μg/L, and the concentration in nearby well TW4-21 increased from 204 to 229 μg/L. The chloroform concentration in nitrate pumping well TW4-22 remained at 12,400 μg/L. The chloroform concentration in TW4-24 decreased from 76.3 to 25.8 μg/L, placing it outside the chloroform plume. TW4-25 remained non-detect for chloroform. TW4-25, located north of TW4-21, continues to bound the chloroform plume to the north.

Chloroform at TW4-8 (which was non-detect from the first quarter of 2008 through the fourth quarter of 2013) increased in concentration from 107 µg/L to 191 µg/L. TW4-8 is located immediately east of chloroform pumping well MW-4, where chloroform was detected at a concentration of 1,440 µg/L. From the first quarter of 2005 through the fourth quarter of 2013, the plume boundary remained between MW-4 and TW4-8. Chloroform at TW4-8 is bounded to the north by TW4-3 (non-detect), to the northeast by TW4-13 (non-detect), to the east by new well TW4-36 (non-detect), and to the southeast by TW4-14 (1.7 µg/L). The occurrence of elevated chloroform at TW4-8 is likely related to its location along the eastern plume boundary immediately east of pumping well MW-4. Changes in the plume boundary near TW4-8 are expected to result from changes in pumping and reduced dilution resulting from cessation of water delivery to the northern wildlife ponds.

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 from 242 µg/L to 290 µg/L. Chloroform at TW4-29 is bounded to the north by TW4-27 (non-detect), to the east by TW4-30 (non-detect), to the southeast by new well TW4-35 (non-detect), to the south by TW4-34 (non-detect), and to the west by TW4-26 (2.5 µg/L).

Chloroform at recently installed well TW4-33 (located between TW4-4 and TW4-29) also showed an increase in concentration, from 104 µg/L to 124 µg/L. Chloroform at TW4-33 is bounded to the north by TW4-14 (1.7 µg/L), to the east by TW4-27 (non-detect), to the west by TW4-23 (non-detect), and to the south and west by TW4-26 (2.5 µg/L). This chloroform distribution indicates that the plume southeast of TW4-4 is very narrow compared to more upgradient locations.

As discussed above, the chloroform concentration in TW4-6 increased from approximately 260 µg/L to 723 µg/L, and remains within the chloroform plume boundary. Concentrations at TW4-6 exceeded 70 µg/L from the first quarter of 2009 through the third quarter of 2010, then remained below 70 µg/L until the third quarter of 2014. Between initiation of pumping of TW4-4 in the first quarter of 2010 and the second quarter of 2014, concentrations at TW4-6 showed a net decrease from 1,000 µg/L to 10.3 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 relatively slow rate of chloroform migration in the vicinity of TW4-6 in the past 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 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 decreases in concentration at TW4-6 and TW4-26 that occurred after initiation of TW4-4 pumping, 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, except for a slight contraction to the west (near TW4-24) and slight expansions to the south-southwest (near TW4-6) and to the east (near TW4-9). Nitrate pumping has caused the boundary of the northern portion of the chloroform plume to migrate to the west toward TW4-24. Over the last four quarters, TW4-24 has been both inside and outside the plume and is again outside the plume. Increased concentrations at TW4-6 and TW4-16 (both of which were within the chloroform plume in the past) since the second quarter of 2014 indicate that the plume boundary has migrated to the southwest and re-incorporated these wells. These changes are likely related to reduced dilution from cessation of water delivery to the northern wildlife ponds and more westerly flow induced by nitrate pumping. However, continued operation of the nitrate pumping system is expected to enhance the capture zone associated with the chloroform pumping system even though nitrate pumping may redistribute chloroform within the plume and cause changes in the plume boundaries. Furthermore, the addition of chloroform wells TW4-1, TW4-2, and TW4-11 to the chloroform pumping network is expected to have a beneficial impact. Operation of these wells will be discussed in the next (first quarter, 2015) quarterly report.

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 C.

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. Specific operational problems observed with the well or pumping equipment which occurred during the quarter are noted for each well below in Sections 5.4.1 through 5.4.4.

The following two issues were noted as affecting multiple wells in the pumping network and are not repeated under the Section for each well.

On November 23, 2014, the Mill experienced a power outage resulting from high winds (in excess of 60+ mph) in the area. During the power outage all of the pumping wells (MW-04, TW4-04, MW-26, TW4-19, TW4-20, TW4-22, TW4-24, and TW4-25) ceased pumping. Power was partially restored to portions of the Mill on November 23, 2014 and power was fully restored to the entire Mill facility by 7:00 AM November 24, 2014. Pumping of the chloroform wells was restored within 24-hours of discovery. No official notifications to DRC were required as the issue was rectified within 24-hours. DRC was notified by telephone that the issue was resolved within the 24-hour window and no further actions were necessary.

On December 29, 2014, an unscheduled down time occurred which lasted more than 24 hours. The down time was the caused by frozen transfer lines resulting from system/discharge line upgrades. The upgrades were necessary to add three more continuous pumping wells to the chloroform pumping network. The up-sizing of the discharge line required that the old 1-inch lines be excavated while the 4-inch lines were connected. During the excavation the 1-inch lines, which were still connected to the existing pumping system, were exposed to the elements in the open trench. The Mill experienced below freezing temperatures for most of the week prior to December 29, 2014. The down time during construction caused six continuous pumping wells (MW-04, MW-26, TW4-04, TW4-20, TW4-22, and TW4-24) to be off (not pumping) until the completion of construction. Initial notice of this outage was given by telephone to DRC at approximately 1:00 pm on Monday December 29, 2014 (within 24 hours of the discovery). As required by the O&M Plan, a 5-day written notification was also provided to DRC. The 5-day written notification is included in Tab N. The pumps were returned to service On January 9, 2015.

Unless specifically noted below, no additional operational problems were observed with the well or pumping equipment during the quarter.

5.4.1 MW-04

On November 24, 2014, Mill Field Personnel noted that the discharge line from MW-04 was frozen. The frozen discharge line was likely caused by the power outage which began the previous day as noted above. Upon discovery, the discharge line was thawed and full functionality was restored within several hours of discovery. No official notifications to DRC were required as the issue was rectified within 24-hours.

On December 8, 2014 Mill Field Personnel noted that the heat lamp on MW-04 had burned out. No adverse affects were noted due to the nonfunctioning bulb. The bulb was immediately replaced. No official notifications to DRC were required as the issue was rectified within 24-hours.

On December 22, 2014, Mill Field Personnel noted that due to intermittent power issues, the pump timer had lost its settings. The pump timer was reset immediately upon discovery. No official notifications to DRC were required as the issue was rectified within 24-hours.

5.4.2 TW4-04

On November 24, 2014, Mill Field Personnel noted that the discharge line and the flow meter from TW4-04 were frozen. Mill Field Personnel also noted that the flow meter on TW4-04 was cracked. The frozen discharge line and flow meter was likely caused by the power outage which began the previous day as noted above. Upon discovery, the discharge line was thawed and the flow meter was replaced and full functionality was restored within several hours of discovery. No official notifications to DRC were required as the issue was rectified within 24-hours.

5.4.3 MW-26

On November 18, 2014 power was shut down to several pumping wells to upgrade the power pole transformer to accommodate more pumping wells being added to the pumping network. The power was shut down for a few hours during the upgrade. When power was restored the pumping wells were checked and it was noted that the MW-26 pump timer had lost its settings. The pump timer was reset immediately upon discovery. No official notifications to DRC were required as the issue was rectified within 24-hours.

5.4.4 TW4-25

On November 3, 2014 Mill Field Personnel noted that the TW4-25 pump had lost electrical power due to a poor connection. The well was inspected during the monthly depth check on October 29, 2014 and was fully operational at that time. The power loss happened between the monthly depth check and the weekly inspection. Some loss of pumped volume may have occurred as a result of the power loss. The power was immediately restored upon discovery. The pump timer was reset immediately upon discovery. No official notifications to DRC were required as the issue was rectified within 24-hours.

On November 26, 2014, Mill Personnel notified EFRI Corporate Environmental Staff that pumping of TW4-25 had to be stopped to accommodate construction activities in the area associated with the ammonium sulfate concrete cover required under the Nitrate CAP. Pumping was stopped for several hours and no notification to DRC was necessary. On December 1, 2014, Mill Field Personnel requested cessation of pumping in TW4-25 for several days to accommodate re-routing of the discharge lines and electrical lines. The discharge and electrical lines were rerouted as a result of the ammonium sulfate concrete cover. EFRI Corporate Environmental Staff contacted DRC and requested approval for the cessation of pumping. DRC provided verbal approval and requested the incident be documented in this report. Pumping was resumed on December 4, 2014.

On December 8, 2014 during the weekly check, Mill Field Personnel noted that the TW4-25 pump timer had lost its settings. The pump timer was reset immediately upon discovery. No official notifications to DRC were required as the issue was rectified within 24-hours.

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

The third quarter chloroform report included a corrective action report to address low level nitrate contamination in the rinsate samples. Since the DIFB collected for the third quarter were non-detect, EFRI believed the nitrate present in the rinsate samples was due to laboratory contamination and did not represent actual nitrate contamination. EFRI used an alternative laboratory, CTF, during the quarter, because the Mill's usual contract laboratory, AWAL, suffered a catastrophic fire and could not accept samples.

The corrective action specified in the third quarter report was to resume sending samples to AWAL as soon as their laboratory was able. The fourth quarter samples were sent to AWAL and all rinsate samples were nondetect for all analytes. As such the corrective action is deemed closed and no further actions are required.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The water level contour maps for the fourth quarter, 2014 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, between the first quarter of 2010 and last quarter, decreases in chloroform concentrations and the rate of water level rise at TW4-6 (located downgradient of TW4-4) likely resulted from TW4-4 pumping. Cones of depression associated with the nitrate pumping wells became evident as of the fourth quarter, 2013, and capture associated with the nitrate pumping is expected to continue to develop.

Fourth quarter, 2014 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, TW4-1, TW4-5, TW4-6, TW4-8, TW4-9, TW4-19, TW4-20, TW4-24, and TW4-26. Of these, MW-26, TW4-19 and TW4-20 are chloroform pumping wells, and TW4-24 is a nitrate pumping well. TW4-1 is located adjacent to chloroform pumping well MW-4; TW4-5 and TW4-9 are located near chloroform pumping wells MW-26, TW4-19, and TW4-20; and TW4-6 is located adjacent to chloroform pumping well TW4-4, Fluctuations in concentrations at both chloroform and nitrate pumping wells and wells adjacent to pumping wells likely result in part from changes in pumping. Well TW4-26 is located just south of the southern chloroform plume boundary. Slight changes in plume boundaries and concentrations at wells near the boundaries are expected to result from changes in pumping. In addition, changes in concentrations at chloroform wells are expected to result from continued operation of nitrate pumping wells as the capture associated with nitrate pumping expands.

The chloroform concentration at TW4-9 increased from approximately 47 µg/L to 101 µg/L. The plume boundary is now located between TW4-9 and TW4-12 (which is non-detect for chloroform and cross-gradient of TW4-9). The increase is likely the result primarily of reduced dilution from the northern wildlife ponds.

Chloroform at TW4-8 (which was non-detect from the first quarter of 2008 through the fourth quarter of 2013) increased in concentration from 107 µg/L to 191 µg/L. TW4-8 is located immediately east of chloroform pumping well MW-4, where chloroform was detected at a concentration of 1,440 µg/L. From the first quarter of 2005 through the fourth quarter of 2013, the plume boundary remained between MW-4 and TW4-8. Chloroform at TW4-8 is bounded to the north by TW4-3 (non-detect), to the northeast by TW4-13 (non-detect), to the east by new well TW4-36 (non-detect), and to the southeast by TW4-14 (1.7 µg/L). The occurrence of elevated chloroform at TW4-8 is likely related to its location along the eastern plume boundary immediately east of pumping well MW-4. Changes in the plume boundary near TW4-8 are expected to result from changes in pumping and reduced dilution resulting from cessation of water delivery to the northern wildlife ponds.

Chloroform pumping well TW4-20 and nitrate pumping well TW4-22 had the highest detected chloroform concentrations of 23,300 and 12,400 µg/L, respectively. Since the last quarter, the chloroform concentration in TW4-20 increased from 12,400 to 23,300 µg/L, the concentration in adjacent pumping well TW4-19 increased from 1,410 to 4,310 µg/L, and the concentration in nearby well TW4-21 increased from 204 to 229 µg/L. The chloroform concentration in nitrate pumping well TW4-22 remained at 12,400 µg/L. The chloroform concentration in TW4-24 decreased from 76.3 to 25.8 µg/L, placing it outside the chloroform plume. TW4-25 remained non-detect for chloroform. TW4-25, located north of TW4-21, continues to bound the chloroform plume to the north.

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 from 242 µg/L to 290 µg/L. Chloroform at TW4-29 is bounded to the north by TW4-27 (non-detect), to the east by TW4-30 (non-detect), to the southeast by new well TW4-35 (non-detect), to the south by TW4-34 (non-detect), and to the west by TW4-26 (2.5 μg/L).

Chloroform at recently installed well TW4-33 (located between TW4-4 and TW4-29) also showed an increase in concentration, from 104 μg/L to 124 μg/L. Chloroform at TW4-33 is bounded to the north by TW4-14 (1.7 μg/L), to the east by TW4-27 (non-detect), to the west by TW4-23 (non-detect), and to the south and west by TW4-26 (2.5 μg/L). This chloroform distribution indicates that the plume southeast of TW4-4 is very narrow compared to more upgradient locations.

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, except for a slight contraction to the west (near TW4-24) and slight expansions to the south-southwest (near TW4-6) and to the east (near TW4-9). Nitrate pumping has caused the boundary of the northern portion of the chloroform plume to migrate to the west toward TW4-24. Over the last four quarters, TW4-24 has been both inside and outside the plume and is again outside the plume. Increased concentrations at TW4-6 and TW4-16 (both of which were within the chloroform plume in the past) since the second quarter of 2014 indicate that the plume boundary has migrated to the southwest and re-incorporated these wells. These changes are likely related to reduced dilution from cessation of water delivery to the northern wildlife ponds and more westerly flow induced by nitrate pumping. However, continued operation of the nitrate pumping system is expected to enhance the capture zone associated with the chloroform pumping system even though nitrate pumping may redistribute chloroform within the plume and cause changes in the plume boundaries. Furthermore, the addition of chloroform wells TW4-1, TW4-2, and TW4-11 to the chloroform pumping network is expected to have a beneficial impact. Operation of these wells will be discussed in the next (first quarter, 2015) quarterly report.

Overall, the plume is bounded to the north by TW4-25; to the west and southwest by MW-31, MW-32, TW4-23, TW4-24, and TW4-26; to the east by TW4-3, TW4-5, TW4-12, TW4-13, TW4-14, TW4-18, TW4-27, TW4-30, and TW4-36; to the south by TW4-34; and to the southeast by TW4-35. Because TW4-9 is within the plume this quarter, TW4-12, located east and cross-gradient of TW4-9, replaces TW4-9 as an easterly bounding well.

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 overall decrease in chloroform concentrations at TW4-6 from 1,000 μg/L in the first quarter of 2010 to 10.3 μg/L in the second quarter of 2014 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 concentration decreases at TW4-6 and TW4-26 that occurred after initiation of TW4-4 pumping, 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.

EFRI and its consultants have raised the issues and potential effects associated with cessation of water delivery to the northern wildlife ponds in March, 2012 during discussions with DRC in March 2012 and May 2013. 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. Recent increases in chloroform concentrations at TW4-6, TW4-8, TW4-9, and TW4-16 are likely related in part to reduced dilution.

The net impact of reduced wildlife pond recharge is expected to be beneficial even though it is also expected to result in higher concentrations that will persist until continued mass reduction via pumping and natural attenuation ultimately reduce concentrations. Temporary increases in chloroform concentrations are judged less important than reduced chloroform migration rates. The actual impacts of reduced recharge on concentrations and migration rates will be defined by continued monitoring.

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.

9.0 SIGNATURE AND CERTIFICATION

This document was prepared by Energy Fuels Resources (USA) Inc. on February 25 2015.

Energy Fuels Resources (USA) Inc.

By:

Scott A. Bakken
Director, Permitting and Environmental Affairs

Certification:

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

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

Tables

Table 1: Summary of Well Sampling for the Period

Well	Sample Date	Date of Lab Report
MW-04	10/21/2014	11/12/2014
TW4-01	10/29/2014	11/12/2014
TW4-02	10/30/2014	11/12/2014
TW4-03	10/23/2014	11/12/2014
TW4-03R	10/22/2014	11/12/2014
TW4-04	10/21/2014	11/12/2014
TW4-05	10/28/2014	11/12/2014
TW4-06	10/29/2014	11/12/2014
TW4-07	10/30/2014	11/12/2014
TW4-08	10/29/2014	11/12/2014
TW4-09	10/29/2014	11/12/2014
TW4-09R	10/28/2014	11/12/2014
TW4-10	10/30/2014	11/12/2014
TW4-11	10/29/2014	11/12/2014
TW4-12	10/23/2014	11/12/2014
TW4-13	10/23/2014	11/12/2014
TW4-14	10/23/2014	11/12/2014
MW-26	10/21/2014	11/12/2014
TW4-16	10/29/2014	11/12/2014
MW-32	10/29/2014	11/12/2014
TW4-18	10/28/2014	11/12/2014
TW4-19	10/21/2014	11/12/2014
TW4-20	10/21/2014	11/12/2014
TW4-21	10/29/2014	11/12/2014
TW4-22	10/21/2014	11/12/2014
TW4-23	10/28/2014	11/12/2014
TW4-24	10/21/2014	11/12/2014
TW4-25	10/21/2014	11/12/2014
TW4-26	10/28/2014	11/12/2014
TW4-27	10/23/2014	11/12/2014
TW4-28	10/23/2014	11/12/2014
TW4-29	10/29/2014	11/12/2014
TW4-30	10/23/2014	11/12/2014
TW4-31	10/28/2014	11/12/2014
TW4-32	10/23/2014	11/12/2014
TW4-33	10/29/2014	11/12/2014
TW4-34	10/28/2014	11/12/2014
TW4-35	10/28/2014	11/12/2014
TW4-36	10/23/2014	11/12/2014
TW4-60	10/23/2014	11/12/2014
TW4-65	10/23/2014	11/12/2014
TW4-70	10/28/2014	11/12/2014

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 TW4-12, and TW4-70 is a duplicate of TW4-05.

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	10.8
Q1 2012	1.1	0.6	0.8	7.0	1.0	NA	NA	NA	10.6
Q2 2012	1.1	0.7	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	6.6
Q4 2012	0.9	0.3	2.0	3.2	0.8	NA	NA	NA	7.2
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	0.1	0.0	31.1
Q4 2013	0.8	0.3	3.2	2.5	0.7	2.8	0.1	0.0	10.3
Q1 2014	0.8	0.3	1.5	2.8	0.6	2.5	0.2	0.0	8.6
Q2 2014	0.8	0.4	2.0	3.4	0.6	2.5	0.1	0.0	9.9
Q3 2014	0.9	0.4	3.6	1.8	0.8	2.5	0.1	0.0	10.2
Q4 2014	0.8	0.4	7.1	3.2	0.6	2.5	0.04	0.0	14.6
Well Totals	82.9	29.1	334.5	248.6	18.3	19.0	0.64	0.0	**733.0**

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

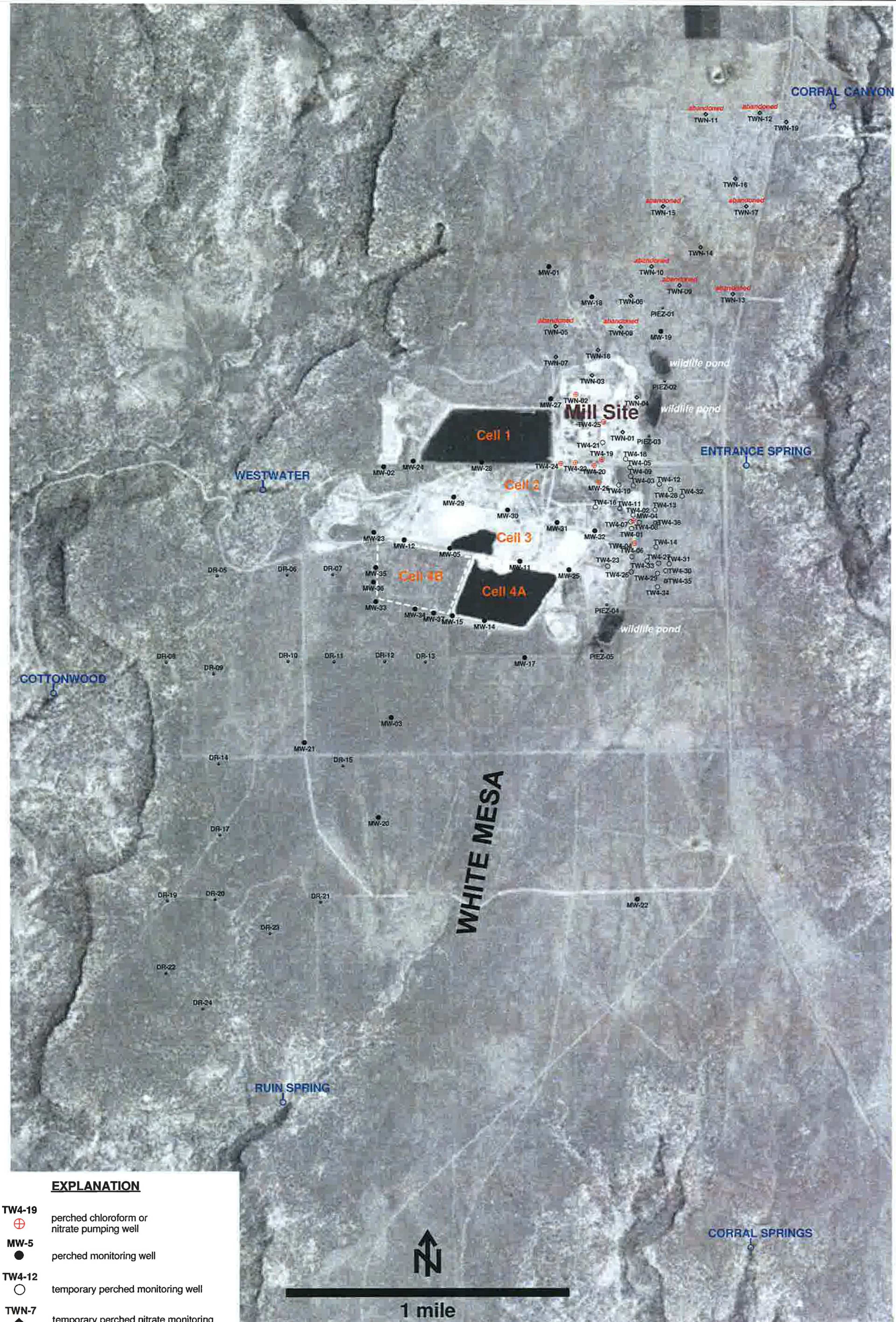
Table 3 Pumping Rates and Volumes

Pumping Well Name	Volume of Water Pumped During the Quarter (gals)	Average Pump Rate (gpm)
MW-4	63,093.0	4.39
MW-26	21,875.8	9.74
TW4-4	64,422.6	7.69
TW4-19	198,331.0	10.88
TW4-20	16,341.8	8.25
TW4-22	23,956.9	17.72
TW4-24	178,468.7	17.25
TW4-25	107,416.1	17.34
TWN-2	47,585.6	18.25

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

HYDRO
GEO
CHEM, INC.

WHITE MESA SITE PLAN SHOWING LOCATIONS OF PERCHED WELLS AND PIEZOMETERS

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov14/Uwelloc0914.srf	A-1

Tab B

Order of Sampling and Field Data Worksheets

Order of Contamination for 4th Quarter 2014 Chloroform Purging Event

Well	Sample time	Chloroform Levels	Rinsate date/time	Water level	Well Depth	
TW4-03	10/23/14 0709	ND			141	TW4-03R 10/22/14 1008
TW4-12	10/23/14 0719	ND			101.5	
TW4-28	10/23/14 0726	ND			107	
TW4-32	10/23/14 0734	ND			115.1	
TW4-13	10/23/14 0740	ND			102.5	
TW4-14	10/23/14 0746	ND			93	
TW4-36	10/23/14 0755	ND			99	
TW4-27	10/23/14 0802	ND			96	
TW4-30	10/23/14 0808	ND			92.5	
TW4-31	10/28/14 0808	ND			106	
TW4-34	10/28/14 0815	ND			97.2	
TW4-35	10/28/14 0822	ND			87.5	
TW4-23	10/28/14 0830	ND			114	
MW-32	~~10/29/14 0857~~ 1320	ND			132.5	Bladder pump
TW4-25	10/21/14 1252	ND			134.8	Cont. Pumping
TW4-26	10/28/14 0836	1.3			86	
TW4-05	10/28/14 0845	12			120	
TW4-18	10/28/14 0857	32.8			137.5	
TW4-09	10/29/14 0748	46.9			120	TW4-09R 10/28/2014 0416
TW4-24	10/21/14 1305	76.3			112.5	Cont. Pumping
TW4-33	10/29/14 0757	104			87.9	
TW4-08	10/29/14 0804	107			125	
TW4-21	10/29/14 0813	204			121	
TW4-29	10/29/14 0824	242			93.5	
TW4-06	10/29/14 0833	260			97.5	
TW4-16	10/29/14 0840	371			142	
TW4-11	10/29/14 0907	719			100	
TW4-01	10/29/14 0913	845			110	
TW4-07	10/30/14 0654	857			120	
TW4-10	10/30/14 0703	1060			111	
TW4-04	10/21/14 1341	1320			112	Cont. Pumping
TW4-19	10/21/14 1415	1410			125	Cont. Pumping
MW-04	10/21/14 1335	1490			124	Cont. Pumping
MW-26	10/21/14 1328	2120			122.5	Cont. Pumping
TW4-02	10/30/14 0712	3170			120	
TW4-22	10/21/14 1313	12400			113.5	Cont. Pumping
TW4-20	10/21/14 1322	12400			106	Cont. Pumping

TW4-60 D.I. Blank 10/23/14 0830
TW4-65 Duplicate 10/23/14 0719
TW4-70 Duplicate 10/28/14 0845

Comments:

Name: ____________ Date: ____________

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): MW-04

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-04_10212014

Date and Time for Purging: 10/21/2014 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): Continuous

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: MW-26

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.00

Depth to Water Before Purging: 72.44

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 18.92 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1334	Gal. Purged	0
Conductance	2000	pH	6.63
Temp. °C	15.20		
Redox Potential Eh (mV)	108		
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 = [4.3]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [8.80]

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs [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 [74.12]

Sample Time [1335]

See instruction

Comment

Arrived on site at 1331 Tanner and Garrin present to collect samples
Samples collected at 1335 Water was clear
Left site at 1336

Continuous pumping well

MW-04 10-21-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter 2014 Chloroform

Location (well name): TW4-01

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-01_10292014

Date and Time for Purging: 10/28/2014 and Sampling (if different): 10/29/2014

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: 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 67.70

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

Weather Cond.: Sunny

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

Time	1525	Gal. Purged	33
Conductance	2130	pH	5.98
Temp. °C	14.93		
Redox Potential Eh (mV)	269		
Turbidity (NTU)	43.7		

Time	1526	Gal. Purged	44
Conductance	2128	pH	5.95
Temp. °C	14.96		
Redox Potential Eh (mV)	269		
Turbidity (NTU)	41		

Time	1527	Gal. Purged	55
Conductance	2128	pH	5.94
Temp. °C	14.98		
Redox Potential Eh (mV)	268		
Turbidity (NTU)	41		

Time	1528	Gal. Purged	66
Conductance	2130	pH	5.94
Temp. °C	14.97		
Redox Potential Eh (mV)	266		
Turbidity (NTU)	42		

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 = 5.02

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

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

Final Depth 106.87

Sample Time 0913

See instruction

Comment

Arrived on site at 1520 Tanner and Garrin present for purge. Purge began at 1522
Purged well for a total of 6 minutes. water was murky with a brown coloration.
Purge ended at 1528 Left site at 1531

Arrived on site at 0910 Tanner and Garrin present to collect samples.
Depth to water was 67.90 samples bailed at 0913 Left site at 0915

TW4-01 10-28-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2014

Location (well name): TW4-02

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-02_10302014

Date and Time for Purging: 10/29/2014 and Sampling (if different): 10/30/2014

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: 1000 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging: 68.10

Casing Volume (V): 4" Well: 33.89 (.653h); 3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1047	Gal. Purged	55
Conductance	3886	pH	6.71
Temp. °C	14.65		
Redox Potential Eh (mV)	265		
Turbidity (NTU)	8.9		

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

Time	0712	Gal. Purged	0
Conductance	3586	pH	6.49
Temp. °C	13.70		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0713	Gal. Purged	0
Conductance	3610	pH	6.52
Temp. °C	13.79		
Redox Potential Eh (mV)			
Turbidity (NTU)			

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 = 6.16

Number of casing volumes evacuated (if other than two) 1.62

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

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

Final Depth 116.97

Sample Time 0712

See instruction

Comment

Arrived on site at 1039 Tanner and Garrin present for purge. Purge began at 1042. Purged well for a total of 5 minutes. Purged well dry! Purge ended at 1047. Left site at 1050

Arrived on site at 0707 Tanner and Garrin present to collect samples. Depth to water was 68.22 samples bailed at 0712 Left site at 0714

TW4-02 10-29-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2014

Location (well name): TW4-03

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-03_10232014

Date and Time for Purging: 10/22/2014 and Sampling (if different): 10/23/2014

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

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

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 141.00

Depth to Water Before Purging: 54.77

Casing Volume (V) 4" Well: 56.30 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1039	Gal. Purged	88
Conductance	1661	pH	6.32
Temp. °C	14.71		
Redox Potential Eh (mV)	221		
Turbidity (NTU)	4.5		

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

Time	0709	Gal. Purged	0
Conductance	1667	pH	6.15
Temp. °C	14.70		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0710	Gal. Purged	0
Conductance	1659	pH	6.17
Temp. °C	14.70		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

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 = 10.23

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

If well evacuated to dryness, number of gallons evacuated: 88

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

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

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

Final Depth: 138.23

Sample Time: 0709

See instruction

Comment

Arrived on site at 1026. Tanner and Garrin present for purge. Purge began at 1031
Purged well for a total of 8 minutes. Purged well dry! Purge ended at 1039.
water was clear. Left site at 1040

Arrived on site at 0705 Tanner and Garrin present to collect samples. Depth to water was 55.16 samples bailed at 0709 Left site at 0711

TW4-03 10-22-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-03R

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-03R_10222014

Date and Time for Purging: 10/22/2014 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: 1000 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): 13°

Time	1007	Gal. Purged	0
Conductance	1.9	pH	7.30
Temp. °C	17.98		
Redox Potential Eh (mV)	166		
Turbidity (NTU)	2.3		

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

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

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

Volume of Water Purged | 150 | gallon(s)

Pumping Rate Calculation

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

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

Chloride

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

Final Depth | 0

Sample Time | 1008

See instruction

Comment

Arrived on site at 0954. Tanner and Garrin present for rinsate. Rinsate began at at 0955. Pumped 50 Gallons of soap water and 100 Gallons of DI water. samples collected at 1 08
Left site at 1011

TW4-03R 10-22-2014 | Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-04

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-04_10212014

Date and Time for Purging: 10/21/2014 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): Continuous

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: MW-04

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): ~~125.00~~ 112.00

Depth to Water Before Purging: 69.74

Casing Volume (V) 4" Well: ~~36.08~~ (.653h) 27.59
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1340	Gal. Purged	0
Conductance	2303	pH	6.69
Temp. °C	15.55		
Redox Potential Eh (mV)	96		
Turbidity (NTU)	22.1		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = ~~4.02~~ 6.89

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

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

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

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

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

Final Depth: 74.87

Sample Time: 1341

See instruction

Comment

Arrived on site at 1337 Tanner and Garrin present to collect samples
Samples collected at 1341 water was ~~clear~~ a little murky slight brown color
Left site at 1343

Continuous pumping well

TW4-04 10-21-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-05

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-05_10282014

Date and Time for Purging: 10/27/2014 and Sampling (if different): 10/28/2014

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: 1000 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging: 63.55

Casing Volume (V) 4" Well: 36.86 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1422	Gal. Purged	55
Conductance	1484	pH	6.17
Temp. °C	15.43		
Redox Potential Eh (mV)	235		
Turbidity (NTU)	14.6		

Time	1423	Gal. Purged	66
Conductance	1482	pH	6.16
Temp. °C	15.44		
Redox Potential Eh (mV)	235		
Turbidity (NTU)	14.7		

Time	1424	Gal. Purged	77
Conductance	1478	pH	6.17
Temp. °C	15.42		
Redox Potential Eh (mV)	235		
Turbidity (NTU)	14.8		

Time	1425	Gal. Purged	88
Conductance	1474	pH	6.22
Temp. °C	15.40		
Redox Potential Eh (mV)	236		
Turbidity (NTU)	14.9		

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 = 6.70

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

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

Final Depth: 64.76

Sample Time: 0845

See instruction

Comment

Arrived on site at 1415 Tanner and Garrin present for purge. Purge began at 1417
Purged well for a total of 8 minutes. water was clear
Purge ended at 1425 Left site at 1427
Arrived on site at 0841 Tanner and Garrin present to collect samples. Depth to water was 63.91 samples bailed at 0845 Left site at 0847

TW4-05 10-27-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-06

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-06_10292014

Date and Time for Purging: 10/28/2014 and Sampling (if different): 10/29/2014

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: TW4-29

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 97.50

Depth to Water Before Purging: 70.10

Casing Volume (V) 4" Well: 17.89 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1403
Gal. Purged	25.66
Conductance	3189
pH	6.41
Temp. °C	15.14
Redox Potential Eh (mV)	275
Turbidity (NTU)	115

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

	Before	After
Time	0833	0835
Gal. Purged	0	0
Conductance	~~3189~~ 3184	3187
pH	~~6.40~~ 6.65	6.64
Temp. °C	~~15.14~~ 13.67	13.65
Redox Potential Eh (mV)	~~275~~	
Turbidity (NTU)		

Volume of Water Purged 25.66 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.25

Number of casing volumes evacuated (if other than two) 1.43

If well evacuated to dryness, number of gallons evacuated 25.66

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 94.34

Sample Time 0833

See instruction

Comment

Arrived on site at 1359 Tanner and Garrin present for purge. Purge began at 1401 Purged well for a total of 2 minutes 20 seconds. Purged well dry! water was a little dirty and murky. Purge ended at 1403. Left site at 1405
Arrived on site at 0829 Tanner and Garrin present for sampling. Depth to water was 70.42 samples bailed at 0833 Left site at 0835

TW4-06 10-28-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-07

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-07_10302014

Date and Time for Purging: 10/29/2014 and Sampling (if different): 10/30/2014

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: MW-32

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging: 68.60

Casing Volume (V) 4" Well: 33.56 (.653h)

3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	0941	Gal. Purged	66
Conductance	1599	pH	6.77
Temp. °C	14.79		
Redox Potential Eh (mV)	151		
Turbidity (NTU)	8.9		

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

Before

Time	0654	Gal. Purged	0
Conductance	1638	pH	7.04
Temp. °C	14.87		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Time	0655	Gal. Purged	0
Conductance	1637	pH	7.01
Temp. °C	14.85		
Redox Potential Eh (mV)			
Turbidity (NTU)			

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 = 6.10

Number of casing volumes evacuated (if other than two) 1.96

If well evacuated to dryness, number of gallons evacuated 66

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 117.09

Sample Time 0654

See instruction

Comment

Arrived on site at 0933. Tanner and Garrin present for purge. Purge began at 0935
Purged well for a total of 6 minutes. Purged well dry. water was clear
Purge ended at 0941. Left site at 0943

Arrived on site at 0650 Tanner and Garrin present to collect samples. Depth to water was 69.61 samples bailed at 0654 Left site at 0656

TW4-07 10-29-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-08

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-08_10292014

Date and Time for Purging: 10/28/2014 and Sampling (if different): 10/29/2014

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: TW4-33

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 125.00

Depth to Water Before Purging: 66.80

Casing Volume (V) 4" Well: 38.00 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1033	Gal. Purged	44
Conductance	4128	pH	6.30
Temp. °C	14.96		
Redox Potential Eh (mV)	220		
Turbidity (NTU)	0.6		

Time	1034	Gal. Purged	55
Conductance	4090	pH	6.30
Temp. °C	14.97		
Redox Potential Eh (mV)	188		
Turbidity (NTU)	0.6		

Time	1035	Gal. Purged	66
Conductance	4053	pH	6.31
Temp. °C	14.97		
Redox Potential Eh (mV)	181		
Turbidity (NTU)	0.6		

Time	1036	Gal. Purged	77
Conductance	4016	pH	6.31
Temp. °C	14.99		
Redox Potential Eh (mV)	178		
Turbidity (NTU)	0.6		

Volume of Water Purged: 77 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.90

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

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

Final Depth: 74.79

Sample Time: 0804

See instruction

Comment

Arrived on site at 1027 Tanner and Garrin present for purge. Purge began at 1029 Purged well for a total of 7 minutes. Water was clear. Purge ended at 1036 Left site at 1040

Arrived on site at 0801 Tanner and Garrin present to collect samples. Depth to water was 67.30 Samples bailed at 0804 Left site at 0806

TW4-08 10-28-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-09

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-09_10292014

Date and Time for Purging: 10/28/2014 and Sampling (if different): 10/29/2014

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: TW4-09R

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging: 61.65

Casing Volume (V) 4" Well: 38.10 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	Gal. Purged	Conductance	pH	Temp. °C	Redox Potential Eh (mV)	Turbidity (NTU)
0939	55	2385	6.30	14.89	343	6.8
0940	66	2386	6.30	14.89	342	6.8
0941	77	2389	6.30	14.90	341	6.9
0942	88	2389	6.30	14.90	339	7.0

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 = 6.92

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

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

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

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

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

Final Depth: 64.27

Sample Time: 0748

See instruction

Comment

Arrived on site at 0931. Tanner and Garrin present for purge. Purge began at 0934 Purged well for a total of 8 minutes. Purge ended at 0942. water was clear Left site at 0944

Arrived on site at 0745 Tanner and Garrin present to collect samples. Depth to water was 61.72 samples bailed at 0748 Left site at 0750

TW4-09 10-28-2014 | Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-09R

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-09R_10282014

Date and Time for Purging: 10/28/2014 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: ~~TW4-0~~ TW4-18 TW4-18

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 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): 7°

Time	0915	Gal. Purged	132
Conductance	10.8	pH	5.99
Temp. °C	10.42		
Redox Potential Eh (mV)	453		
Turbidity (NTU)	2.1		

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

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

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

Volume of Water Purged: 150 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 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: 0916

See instruction

Comment

Arrived on site at 0900. Tanner and Garrin present for rinsate. Rinsate began at 0903. Pumped 50 Gallons of soap water and 100 Gallons of DI water. Rinsate ended and samples collected at 0916. Left site at 0918

TW4-09R 10-28-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-10

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-10_10302014

Date and Time for Purging: 10/29/2014 and Sampling (if different): 10/30/2014

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: 1000 µMHOS/ cm

Well Depth(0.01ft): 111.00

Depth to Water Before Purging: 61.42

Casing Volume (V) 4" Well: 32.37 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1005	Gal. Purged	47.66
Conductance	2723	pH	5.83
Temp. °C	14.94		
Redox Potential Eh (mV)	249		
Turbidity (NTU)	4.2		

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

Time	0703	Gal. Purged	0
Conductance	2454	pH	6.35
Temp. °C	13.99		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0704	Gal. Purged	0
Conductance	2503	pH	6.31
Temp. °C	14.04		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged 47.66 gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two) 1.47

If well evacuated to dryness, number of gallons evacuated 47.66

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 108.35

Sample Time 0703

See instruction

Comment

Arrived on site at 0959 Tanner and Garrin present for purge. Purge began at 1001
Purged well for a total of 4 minutes 20 seconds. Purged well dry!
Purge ended at 1006. Left site at 1009

Arrived on site at 0659 Tanner and Garrin present to collect samples. Depth to water was 61.47 samples bailed at 0703 Left site at 0705

TW4-10 10-29-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-11_10292014

Date and Time for Purging: 10/28/2014 and Sampling (if different): 10/29/2014

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: TW4-16

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 100.00

Depth to Water Before Purging: ~~100.00~~ 60.19

Casing Volume (V) 4" Well: 25.99 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1458	Gal. Purged	22
Conductance	1720	pH	6.30
Temp. °C	14.56		
Redox Potential Eh (mV)	245		
Turbidity (NTU)	8.6		

Time	1459	Gal. Purged	33
Conductance	1720	pH	6.30
Temp. °C	14.60		
Redox Potential Eh (mV)	244		
Turbidity (NTU)	8.7		

Time	1500	Gal. Purged	44
Conductance	1720	pH	6.31
Temp. °C	14.58		
Redox Potential Eh (mV)	244		
Turbidity (NTU)	8.7		

Time	1501	Gal. Purged	55
Conductance	1721	pH	6.30
Temp. °C	14.59		
Redox Potential Eh (mV)	243		
Turbidity (NTU)	8.8		

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 = 4.72

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

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

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

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

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

Final Depth: 96.25

Sample Time: 0907

See instruction

Comment

Arrived on site at 1454 Tanner and Garrin present for purge. Purge began at 1456
Purged well for a total of 5 minutes. water was clear
Purge ended at 1501 Left site at 1504
Arrived on site at 0904 Tanner and Garrin present to collect samples. Depth to water was 61.20 Samples bailed at 0907 Left site at 0909

TW4-11 10-28-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-12

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-12_10232014

Date and Time for Purging: 10/22/2014 and Sampling (if different): 10/23/2014

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: 1000 µMHOS/ cm

Well Depth(0.01ft): 101.50

Depth to Water Before Purging: 43.78

Casing Volume (V) 4" Well: 37.69 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	Gal. Purged	Conductance	pH	Temp. °C	Redox Potential Eh (mV)	Turbidity (NTU)
1110	55	1307	6.60	14.85	191	20
1111	66	1307	6.62	14.90	192	16
1112	77	1306	6.62	14.91	193	16
1113	88	1306	6.64	14.93	194	15

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 = 6.85

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

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

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

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

Other (specify)
Chloride

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

Final Depth: 97.13

Sample Time: 0719

See instruction

Comment

Arrived on site at 1102 Tanner and Garrin present for purge. Purge began at 1105. Purged well for a total of 8 minutes. water was clear Purge ended at 1113 Left site at 1115

Arrived on site at 0715 Tanner and Garrin present to collect samples. Depth to water was 43.85 samples bailed at 0719 Left site at 0721

TW4-12 10-22-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2014

Location (well name): TW4-13

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-13_10232014

Date and Time for Purging: 10/22/2014 and Sampling (if different): 10/23/2014

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: TW4-32

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 102.50

Depth to Water Before Purging: 48.86

Casing Volume (V) 4" Well: 35.02 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1340
Gal. Purged	49.50
Conductance	1864
pH	6.48
Temp. °C	15.10
Redox Potential Eh (mV)	254
Turbidity (NTU)	8.7

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

Time	~~0739~~ 0740
Gal. Purged	0
Conductance	1829
pH	6.83
Temp. °C	13.45
Redox Potential Eh (mV)	
Turbidity (NTU)	

Before

Time	~~0735~~ 0741
Gal. Purged	0
Conductance	1840
pH	6.81
Temp. °C	13.47
Redox Potential Eh (mV)	
Turbidity (NTU)	

After

Volume of Water Purged 49.50 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.36

Number of casing volumes evacuated (if other than two) 1.41

If well evacuated to dryness, number of gallons evacuated 49.50

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 99.27

Sample Time ~~0734~~ 0740

See instruction

Comment

Arrived on site at 1332 Tanner and Garrin present for purge. Purge began at 1335 Purged well for a total of 4 minutes and 30 seconds. Purged well dry. water was clear. Purge ended at 1340. Left site at 1343

Arrived on site at ~~0730~~ 0737 Tanner and Garrin present to collect samples. Depth to water was ~~49.90~~ 49.10 Samples bailed at ~~0734~~ 0740 Left site at ~~0736~~ 0742

TW4-13 10-22-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-14_10232014

Date and Time for Purging: 10/22/2014 and Sampling (if different): 10/23/2014

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: 1000 µMHOS/ cm

Well Depth(0.01ft): 93.00

Depth to Water Before Purging: 82.78

Casing Volume (V) 4" Well: 6.67 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1406	Gal. Purged	8.25
Conductance	4804	pH	6.23
Temp. °C	15.87		
Redox Potential Eh (mV)	321		
Turbidity (NTU)	5.3		

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

Time	0746	Gal. Purged	0
Conductance	4681	pH	6.81
Temp. °C	13.87		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0747	Gal. Purged	0
Conductance	4697	pH	6.79
Temp. °C	13.90		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 8.25 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 1.21

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

If well evacuated to dryness, number of gallons evacuated: 8.25

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

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

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

Final Depth: 90.36

Sample Time: 0746

See instruction

Comment

Arrived on site at 1403 Tanner and Garrin present for purge. Purge began at 1405 Purged well for a total of 45 seconds. Purged well dry! Purge ended at 1406 water was clear. Left site at 1408

Arrived on site at 0743 Tanner and Garrin present to collect samples. Depth to water was 83.12 samples bailed at 0746 Left site at 0748

TW4-14 10-22-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_10212014

Date and Time for Purging: 10/21/2014 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): Continuous

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-20

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 122.50

Depth to Water Before Purging: 71.60

Casing Volume (V) 4" Well: 33.23 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1327	Gal. Purged	0
Conductance	3526	pH	6.37
Temp. °C	15.18		
Redox Potential Eh (mV)	120		
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 = [9.6]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [6.92]

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

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

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

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

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

Final Depth [84.97] Sample Time [1328]

See instruction

Comment

Arrived on site at 1324 Tanner and Garrin present to collect samples
Samples collected at 1328 Water was clear
Left site at 1330

Continuous pumping well

MW-26 10-21-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-16

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-16_10292014

Date and Time for Purging: 10/28/2014 and Sampling (if different): 10/29/2014

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: TW4-06

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 142.00

Depth to Water Before Purging: 66.00

Casing Volume (V) 4" Well: 49.62 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1432	Gal. Purged	77
Conductance	3979	pH	6.24
Temp. °C	14.90		
Redox Potential Eh (mV)	254		
Turbidity (NTU)	12.1		

Time	1433	Gal. Purged	88
Conductance	3975	pH	6.23
Temp. °C	14.89		
Redox Potential Eh (mV)	254		
Turbidity (NTU)	12.1		

Time	1434	Gal. Purged	99
Conductance	3972	pH	6.23
Temp. °C	14.90		
Redox Potential Eh (mV)	250		
Turbidity (NTU)	12.0		

Time	1435	Gal. Purged	110
Conductance	3964	pH	6.23
Temp. °C	~~39~~ 14.91 ~~3912~~ 14.91		
Redox Potential Eh (mV)	240		
Turbidity (NTU)	12.0		

Volume of Water Purged: 110 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 9.02

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

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

Final Depth: 137.12

Sample Time: 0840

See instruction

Comment

Arrived on site at 1423 Tanner and Garrin present for purge. Purge began at 1425
Purged well for a total of 10 minutes. Purge ended at 1435
water was clear. Left site at 1438

Arrived on site at 0837 Tanner and Garrin present to collect samples. Depth to water was 66.15 samples bailed at 0840 Left site at 0842

TW4-16 10-28-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2014

Location (well name): MW-32

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-32_10292014

Date and Time for Purging: 10/29/2014

and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-01

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 132.50

Depth to Water Before Purging: 76.23

Casing Volume (V) 4" Well: 36.74 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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

Time	1317	Gal. Purged	77.46
Conductance	3781	pH	6.19
Temp. °C	14.64		
Redox Potential Eh (mV)	106		
Turbidity (NTU)	0		

Time	1318	Gal. Purged	77.68
Conductance	3780	pH	6.18
Temp. °C	14.64		
Redox Potential Eh (mV)	105		
Turbidity (NTU)	0		

Time	1319	Gal. Purged	77.90
Conductance	3783	pH	6.17
Temp. °C	14.62		
Redox Potential Eh (mV)	102		
Turbidity (NTU)	0		

Time	1320	Gal. Purged	78.12
Conductance	3783	pH	6.15
Temp. °C	14.65		
Redox Potential Eh (mV)	101		
Turbidity (NTU)	6		

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 = 338.65

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

Chloride

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

Final Depth

Sample Time 1320

See instruction

Comment

Arrived on site at 0717 Tanner and Garrin present for purge and sampling event.
Purge began at 0720 Purged well for a total of 360 minutes.
Purge ended and samples collected at 1320
water was mostly clear. Left site at 1325

MW-32 10-29-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-18

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-18_10282014

Date and Time for Purging: 10/27/2014 and Sampling (if different): 10/28/2014

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: TW4-05

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 137.50

Depth to Water Before Purging: 64.65

Casing Volume (V) 4" Well: 47.57 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1454	Gal. Purged	77
Conductance	1495	pH	6.16
Temp. °C	15.50		
Redox Potential Eh (mV)	253		
Turbidity (NTU)	29		

Time	1455	Gal. Purged	88
Conductance	1506	pH	6.15
Temp. °C	15.52		
Redox Potential Eh (mV)	253		
Turbidity (NTU)	30		

Time	1456	Gal. Purged	99
Conductance	1478	pH	6.15
Temp. °C	15.52		
Redox Potential Eh (mV)	253		
Turbidity (NTU)	29		

Time	1457	Gal. Purged	110
Conductance	1463	pH	6.15
Temp. °C	15.52		
Redox Potential Eh (mV)	252		
Turbidity (NTU)	29		

Volume of Water Purged: 110 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 8.64

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

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

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

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

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

Final Depth: 65.00

Sample Time: 0857

See instruction

Comment

Arrived on site at 1445 Tanner and Garrin present for purge. Purge began at 1447
Purged well for a total of 10 minutes. water was a little murky.
Purge ended at 1457 Left site at 1459
Arrived on site at 0853 Tanner and Garrin present to collect samples. Depth to water was 64.86 samples bailed at 0857 Left site at 0859

TW4-18 10-27-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarterly Quarter Chloroform 2014

Location (well name): TW4-19

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-19_10212014

Date and Time for Purging: 10/21/2014

and Sampling (if different): N/A

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

Well Pump (if other than Bennet): Continuous

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-04

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 125.00

Depth to Water Before Purging: 68.20

Casing Volume (V) 4" Well: 37.09 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1414	Gal. Purged	0
Conductance	2929	pH	6.44
Temp. °C	15.94		
Redox Potential Eh (mV)	105		
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 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.74

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

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

Final Depth: 74.99

Sample Time: 1415

See instruction

Comment

Arrived on site at 1410 Tanner and Garrin present to collect samples
Samples collected at 1415 water was Clear
Left site at 1418

Continuous Pumping Well

TW4-19 10-21-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2014

Location (well name): TW4-20

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-20_10212014

Date and Time for Purging: 10/21/2014 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-22

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 106.00 106.00

Depth to Water Before Purging: 69.08

Casing Volume (V) 4" Well: 24.10 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 18.0

Time	1521
Gal. Purged	0
Conductance	4162
pH	6.05
Temp. °C	16.03
Redox Potential Eh (mV)	142
Turbidity (NTU)	2.0

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

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

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

Volume of Water Purged [0] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [6.02]

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

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

Final Depth [74.23]

Sample Time [1322]

See instruction

Comment

Arrived on site at 1317 Tanner and Garrin present to collect samples
Samples collected at 1322 water was clear
Left site at 1324

Continuous Pumping Well

TW4-20 10-21-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-21

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-21_10292014

Date and Time for Purging: 10/28/2014

and Sampling (if different): 10/29/2014

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: TW4-08

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 121.00

Depth to Water Before Purging: 66.46

Casing Volume (V): 4" Well: 35.61 (.653h); 3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1307	Gal. Purged	55
Conductance	4077	pH	6.42
Temp. °C	16.26		
Redox Potential Eh (mV)	252		
Turbidity (NTU)	0		

Time	1308	Gal. Purged	66
Conductance	4090	pH	6.42
Temp. °C	16.25		
Redox Potential Eh (mV)	252		
Turbidity (NTU)	0		

Time	1309	Gal. Purged	77
Conductance	4095	pH	6.42
Temp. °C	16.25		
Redox Potential Eh (mV)	251		
Turbidity (NTU)	0		

Time	1310	Gal. Purged	88
Conductance	4091	pH	6.42
Temp. °C	16.25		
Redox Potential Eh (mV)	250		
Turbidity (NTU)	0		

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 = 6.47

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

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

Name of Certified Analytical Laboratory if Other Than Energy 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 74.50

Sample Time 0813

See instruction

Comment

Arrived on site at 1259 Tanner and Garrin present for purge. Purge began at 1302
Purged well for a total of 8 minutes Purge ended at 1310
water was clear. Left site at 1312

Arrived on site at 0810 Tanner and Garrin present to collect samples Depth
to water was 66.35 samples bailed at 0813 Left site at 0815

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 2014

Location (well name): TW4-22

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-22_10212014

Date and Time for Purging: 10/21/2014 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): Continuous

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-24

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 113.50

Depth to Water Before Purging: 61.20

Casing Volume (V) 4" Well: 34.15 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1312	Gal. Purged	0
Conductance	5992	pH	6.40
Temp. °C	15.55		
Redox Potential Eh (mV)	174		
Turbidity (NTU)	3.0		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 18.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.79

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

Chloride

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

Final Depth: 84.76

Sample Time: 1313

See instruction

Comment

Arrived on site at 1309 Tanner and Garrin present to collect samples
Samples were collected at 1313 water was clear
Left site at 1315

Continuous Pumping Well

TW4-22 10-21-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-23

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-23_10282014

Date and Time for Purging: 10/27/2014 and Sampling (if different): 10/28/2014

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: TW4-35

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 114.00

Depth to Water Before Purging: 66.75

Casing Volume (V): 4" Well: 30.85 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1327	Gal. Purged	44
Conductance	3617	pH	6.01
Temp. °C	14.35		
Redox Potential Eh (mV)	104		
Turbidity (NTU)	13.4		

Time	1328	Gal. Purged	55
Conductance	3610	pH	6.01
Temp. °C	14.35		
Redox Potential Eh (mV)	106		
Turbidity (NTU)	13.0		

Time	1329	Gal. Purged	66
Conductance	3609	pH	6.05
Temp. °C	14.37		
Redox Potential Eh (mV)	101		
Turbidity (NTU)	12.8		

Time	1330	Gal. Purged	77
Conductance	3605	pH	6.10
Temp. °C	14.37		
Redox Potential Eh (mV)	100		
Turbidity (NTU)	12.5		

Volume of Water Purged: 77 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 5.60

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

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

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

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

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

Final Depth: 86.30

Sample Time: 0830

See instruction

Comment

Arrived on site at 1321 Tanner and Garrin present for purge. Purge began at 1323
Purged well for a total of 7 minutes. Purge ended at 1330
water was an orange color but slowly cleared throughout purge Left site at 1332

Arrived on site at 0827 Tanner and Garrin present to collect samples. Depth to Water
Was 67.00 samples bailed at 0830 Left site at 0832

TW4-23 10-27-2014 | Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform

Location (well name): TW4-24

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-24_10212014

Date and Time for Purging: 10/21/2014 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): Continuous

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-25

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 112.50

Depth to Water Before Purging: 68.42

Casing Volume (V) 4" Well: 28.78 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1304	Gal. Purged	0
Conductance	8998	pH	6.35
Temp. °C	15.28		
Redox Potential Eh (mV)	182		
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 = 17.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.38

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

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

Final Depth: 75,34

Sample Time: 1305

See instruction

Comment

Arrived on site at 1301 Tanner and Garrin present to collect samples
Samples collected at 1305 water was clear
Left site at 1307

Continuous pumping well

TW4-24 10-21-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-25_10212014

Date and Time for Purging: 10/21/2014

and Sampling (if different): N/A

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

Well Pump (if other than Bennet): Continuous

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 134.80

Depth to Water Before Purging: 88.50

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

Weather Cond.: Partly Cloudy

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

Time: 1251	Gal. Purged: 0
Conductance: 2614	pH: 6.35
Temp. °C: 15.95	
Redox Potential Eh (mV): 290	
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 = 17.4

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.47

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

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

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

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

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

Final Depth: 94.11

Sample Time: 1252

See instruction

Comment

Arrived on site at 1249 Tanner and Garrin present to collect samples.
collected samples at 1252 Water was clear
Left site at 1255

Continuous Pumping Well

TW4-25 10-21-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2014

Location (well name): TW4-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-26_10282014

Date and Time for Purging: 10/27/2014 and Sampling (if different): 10/28/2014

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-23

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 86.00

Depth to Water Before Purging: 64.34

Casing Volume (V) 4" Well: 14.14 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1356	Gal. Purged	18.33
Conductance	6395	pH	3.62
Temp. °C	15.28		
Redox Potential Eh (mV)	374		
Turbidity (NTU)	6.0		

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

Time	0836	Gal. Purged	0
Conductance	6295	pH	4.09
Temp. °C	13.46		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0837	Gal. Purged	0
Conductance	6299	pH	4.07
Temp. °C	13.50		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged 18.33 gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two) 1.29

If well evacuated to dryness, number of gallons evacuated 18.33

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 83.98

Sample Time 0836

See instruction

Comment

Arrived on site at 1353 Tanner and Garrin present for purge. Purge began at 1354
Purged well for a total of 1 minute 40 seconds. Purged well dry! Water was clear.
Purge ended at 1356. Left site at 1358

Arrived on site at 0832 Tanner and Garrin present to collect samples. Depth to water
was 64.60 Samples bailed at 0836 Left site at 0838

TW4-26 10-27-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-27

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-27_10232014

Date and Time for Purging: 10/22/2014 and Sampling (if different): 10/23/2014

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: TW4-36

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 96.00

Depth to Water Before Purging: 80.32

Casing Volume (V): 4" Well: 10.23 (.653h); 3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1504	Gal. Purged	11
Conductance	5399	pH	6.17
Temp. °C	15.95		
Redox Potential Eh (mV)	299		
Turbidity (NTU)	15.7		

Time		Gal. Purged	
Conductance		pH	
Temp. °C	17.		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	0802	Gal. Purged	0
Conductance	5263	pH	6.54
Temp. °C	13.92		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0803	Gal. Purged	0
Conductance	5274	pH	6.52
Temp. °C	13.98		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 11 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 1.86

Number of casing volumes evacuated (if other than two): 1.07

If well evacuated to dryness, number of gallons evacuated: 11

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

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

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

Final Depth: 93.45

Sample Time: 0802

See instruction

Comment

Arrived on site at 1500 Tanner and Garrin present for purge. Purge began at 1503
Purged well for a total of 1 minute. Purged well dry! Purge ended at 1504
water was clear. Left site at 1507
Arrived on site at 0758 Tanner and Garrin present to collect samples. Depth
to water was 80.87 samples bailed at 0802. Left site at 0804

TW4-27 10-22-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-28

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-28_10232014

Date and Time for Purging: 10/22/2014 and Sampling (if different): 10/23/2014

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: TW4-12

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 107.00

Depth to Water Before Purging: 38.25

Casing Volume (V): 4" Well: 44.89 (.653h); 3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1147	Gal. Purged	77
Conductance	1226	pH	6.72
Temp. °C	14.83		
Redox Potential Eh (mV)	206		
Turbidity (NTU)	21		

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

Time	0726	Gal. Purged	0
Conductance	1243	pH	6.66
Temp. °C	13.65		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0727	Gal. Purged	0
Conductance	1240	pH	6.68
Temp. °C	13.70		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 77 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 8.16

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

If well evacuated to dryness, number of gallons evacuated: 77

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

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

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

Final Depth: 104.55

Sample Time: 0726

See instruction

Comment

Arrived on site at 1137 Tanner and Garrin present for purge. Purge began at 1140 Purged well for a total of 7 minutes, Purged well dry. Purge ended at 1147 water was mostly clear. Left site at 1149

Arrived on site at 0723 Tanner and Garrin present to collect samples Depth to water was 38.28 samples bailed at 0726 Left site at 0728

TW4-28 10-22-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-29

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-29_10292014

Date and Time for Purging: 10/28/2014 and Sampling (if different): 10/29/2014

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-21

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 93.50

Depth to Water Before Purging: 72.55

Casing Volume (V): 4" Well: 13.68 (.653h); 3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1336	Gal. Purged	16.50
Conductance	4171	pH	6.46
Temp. °C	15.23		
Redox Potential Eh (mV)	274		
Turbidity (NTU)	13.6		

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

Time	0824	Gal. Purged	0
Conductance	4144	pH	6.68
Temp. °C	13.95		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0825	Gal. Purged	0
Conductance	4149	pH	6.65
Temp. °C	13.97		
Redox Potential Eh (mV)			
Turbidity (NTU)			

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 = 2.48

Number of casing volumes evacuated (if other than two): 1.20

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

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

Final Depth: 90.21

Sample Time: 0824

See instruction

Comment

Arrived on site at 1333 Tanner and Garrin present for purge. Purge began at 1335
Purged well for a total of 1 minute 30 seconds. Purged well dry!
Purge ended at 1336. Left site at 1339, water was clear.

Arrived on site at 0821. Tanner and Garrin present to collect samples. Depth to water was 72.70 Samples bailed at 0824. Left site at 0826

TW4-29 10-28-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-30_10232014

Date and Time for Purging: 10/22/2014 and Sampling (if different): 10/23/2014

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-27

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 92.50

Depth to Water Before Purging: 76.68

Casing Volume (V) 4" Well: 10.33 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1529	Gal. Purged	14.66
Conductance	4400	pH	4.97
Temp. °C	15.62		
Redox Potential Eh (mV)	350		
Turbidity (NTU)	16		

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

Time	0808	Gal. Purged	0
Conductance	4454	pH	5.25
Temp. °C	13.90		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	0809	Gal. Purged	0
Conductance	4450	pH	5.24
Temp. °C	13.89		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

After

Volume of Water Purged: 14.66 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 1.87

Number of casing volumes evacuated (if other than two): 1.41

If well evacuated to dryness, number of gallons evacuated: 14.66

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

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

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

Final Depth: 89.66

Sample Time: 0808

See instruction

Comment

Arrived on site at 1526 Tanner and Garrin present for purge. Purge began at 1528
Purged well for a total of 1 minute and 20 seconds. Purged well dry.
Purge ended at 1529. water was mostly clear. Left site at 1532
Arrived on site at 0804 Tanner and Garrin present to collect samples. Depth to
water was 76.88 samples bailed at 0808 Left site at 0810

TW4-30 10-22-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2014

Location (well name): TW4-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-31_10282014

Date and Time for Purging: 10/27/2014

and Sampling (if different): 10/28/2014

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: TW4-30

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 μMHOS/ cm

Well Depth(0.01ft): 106.00

Depth to Water Before Purging: 81.57

Casing Volume (V) 4" Well: 15.95 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1059	Gal. Purged	19.25
Conductance	4735	pH	6.38
Temp. °C	15.37		
Redox Potential Eh (mV)	313		
Turbidity (NTU)	121		

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

Time	0808	Gal. Purged	0
Conductance	4683	pH	6.53
Temp. °C	15.05		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0809	Gal. Purged	0
Conductance	4695	pH	6.52
Temp. °C	15.03		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged [19.25] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [2.90]

Number of casing volumes evacuated (if other than two) [1.20]

If well evacuated to dryness, number of gallons evacuated [19.25]

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

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

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

Final Depth [103.41] Sample Time [0808]

See instruction

Comment

Arrived on site at 1053 Tanner and Garrin present for purge. Purge began at 1057
Purged well for a total of 1 minutes 45 seconds. Purged well dry!
water was murky. Purge ended at 1059. Left site at 1101.

Arrived on site at 0805 Tanner and Garrin present to collect samples. Depth to water
was 81.80 samples bailed at 0808 Left site at 0810

TW4-31 10-27-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-32

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-32_10232014

Date and Time for Purging: 10/22/2014 and Sampling (if different): 10/23/2014

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: 1000 µMHOS/ cm

Well Depth(0.01ft): 115.10

Depth to Water Before Purging: 49.95

Casing Volume (V): 4" Well: 42.54 (.653h); 3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1301	Gal. Purged	55
Conductance	7741	pH	3.40
Temp. °C	14.80		
Redox Potential Eh (mV)	399		
Turbidity (NTU)	7.9		

Time	1302	Gal. Purged	66
Conductance	7753	pH	3.38
Temp. °C	14.78		
Redox Potential Eh (mV)	399		
Turbidity (NTU)	7.9		

Time	1303	Gal. Purged	77
Conductance	7760	pH	3.38
Temp. °C	14.79		
Redox Potential Eh (mV)	399		
Turbidity (NTU)	7.9		

Time	1304	Gal. Purged	88
Conductance	7786	pH	3.36
Temp. °C	14.77		
Redox Potential Eh (mV)	399		
Turbidity (NTU)	7.9		

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 = 7.73

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

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

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

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

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

Final Depth: 73.90

Sample Time: 0734

See instruction

Comment

Arrived on site at 1252 Tanner and Garrin present for purge. Purge began at 1256
Purged well for a total of 8 minutes. water was clear. Purge ended at 1304
Left site at 1306

Arrived on site at 0730 Tanner and Garrin present to collect samples. Depth
to water was 49.90 Samples bailed at 0734 Left site at 0736

TW4-32 10-22-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-33

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-33_10292014

Date and Time for Purging: 10/28/2014 and Sampling (if different): 10/29/2014

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: 1000 µMHOS/ cm

Well Depth(0.01ft): 87.90

Depth to Water Before Purging: 71.10

Casing Volume (V) 4" Well: 10.97 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1006	Gal. Purged	11
Conductance	4441	pH	6.41
Temp. °C	14.63		
Redox Potential Eh (mV)	322		
Turbidity (NTU)	7.4		

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

Time	0757	Gal. Purged	0
Conductance	4297	pH	6.69
Temp. °C	14.54		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0758	Gal. Purged	0
Conductance	4308	pH	6.68
Temp. °C	14.60		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 11 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 1.99

Number of casing volumes evacuated (if other than two): 1.00

If well evacuated to dryness, number of gallons evacuated: 11

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

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

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

Final Depth: 84.77

Sample Time: 0757

See instruction

Comment

Arrived on site at 1002 Tanner and Garrin present for purge. Purge began at 1005
Purged well for a total of 1 minute water was clear. Purge ended at 1006
Left site at 1008

Arrived on site at 0753 Tanner and Garrin present to collect samples. Depth to water was 71.19 samples bailed at 0757 Left site at 0759

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 2014

Location (well name): TW4-34

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-34_10282014

Date and Time for Purging: 10/27/2014 and Sampling (if different): 10/28/2014

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: 1000 µMHOS/ cm

Well Depth(0.01ft): 97.20

Depth to Water Before Purging: 70.25

Casing Volume (V) 4" Well: 17.59 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1233	Gal. Purged	27.50
Conductance	3820	pH	6.39
Temp. °C	15.23		
Redox Potential Eh (mV)	281		
Turbidity (NTU)	11.4		

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

Time	0815	Gal. Purged	0
Conductance	3860	pH	6.61
Temp. °C	13.71		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0816	Gal. Purged	0
Conductance	3863	pH	6.61
Temp. °C	13.76		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged ~~27.50~~ 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 = 3.19

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

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

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

Final Depth 93.38

Sample Time 0815

See instruction

Comment

Arrived on site at 1228 Tanner and Garrin present for purge. Purge began at 1231
Purged well for a total of 2 minutes 30 seconds. Purged well dry!
Purge ended at 1233. water was mostly clear. Left site at 1236
Arrived on site at 0811 Tanner and Garrin present to collect samples. Depth to water
was 76.46 samples bailed at 0815 Left site at 0817

TW4-34 10-27-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-35_10282014

Date and Time for Purging: 10/27/2014 and Sampling (if different): 10/28/2014

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: TW4-34

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 87.50

Depth to Water Before Purging: 74.10

Casing Volume (V) 4" Well: 8.75 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1259	Gal. Purged	11
Conductance	4352	pH	5.98
Temp. °C	15.45		
Redox Potential Eh (mV)	118		
Turbidity (NTU)	18.7		

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

Time	0822	Gal. Purged	0
Conductance	4292	pH	6.28
Temp. °C	13.84		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0823	Gal. Purged	0
Conductance	4297	pH	6.29
Temp. °C	13.87		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged [11] gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [110]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [1.59]

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

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

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

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

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

Final Depth [84.10]

Sample Time [0822]

See instruction

Comment

Arrived on site at 1256 Tanner and Garrin present for purge. Purge began at 1258
Purged well for a total of 1 minute. Purged well dry. water was mostly clear.
Purge ended at 1259. Left site at 1301

Arrived on site at 0818 Tanner and Garrin present to collect samples. Depth to
water was 74.33 samples bailed at 0822 Left site at 0824

TW4-35 10-27-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-36

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-36_10232014

Date and Time for Purging: 10/22/2014 and Sampling (if different): 10/23/2014

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-14

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 99.0

Depth to Water Before Purging: 57.25

Casing Volume (V) 4" Well: 27.26 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1438	Gal. Purged	33
Conductance	2578	pH	6.40
Temp. °C	15.30		
Redox Potential Eh (mV)	25		
Turbidity (NTU)	121		

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

Time	0755	Gal. Purged	0
Conductance	2413	pH	6.55
Temp. °C	13.53		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0756	Gal. Purged	0
Conductance	2430	pH	6.52
Temp. °C	13.59		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged 33 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 4.95

Number of casing volumes evacuated (if other than two) 1.21

If well evacuated to dryness, number of gallons evacuated 33

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 96.75

Sample Time 0755

See instruction

Comment

Arrived on site at 1432 Tanner and Garrin present for purge. Purge began at 1435 Purged well for a total of 3 minutes. Purged well dry. Purge ended at 1438 water was clear. Left site at 1440

Arrived on site at 0751 Tanner and Garrin present to collect samples. Depth to water was 58.20 samples bailed at 0755 Left site at 0757

TW4-36 10-22-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-60

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-60_10232014

Date and Time for Purging: 10/23/2014 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

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

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 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.: Partly Cloudy

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

Time	0829	Gal. Purged	0
Conductance	0.7	pH	~~5.8~~ 6.30
Temp. °C	20.17		
Redox Potential Eh (mV)	~~6.30~~ 294		
Turbidity (NTU)	1.0		

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

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

Final Depth: 0

Sample Time: 0830

See instruction

Comment

DI Blank

TW4-60 10-23-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2014

Location (well name): TW4-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-65_10232014

Date and Time for Purging: 10/22/2014 and Sampling (if different): 10/23/2014

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: 1000 µMHOS/ cm

Well Depth(0.01ft): 101.50

Depth to Water Before Purging: 43.78

Casing Volume (V) 4" Well: 37.69 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

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: 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 = 6.85

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

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

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

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

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

Final Depth: 97.13

Sample Time: 0719

See instruction

Comment

Duplicate of TW4-12

TW4-65 10-22-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2014

Location (well name): TW4-70

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-70_10282014

Date and Time for Purging: 10/27/2014 and Sampling (if different): 10/28/2014

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: 1000 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging: 63.55

Casing Volume (V) 4" Well: 36.86 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

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: 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 = 6.70

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

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

Final Depth: 64.76

Sample Time: 0845

See instruction

Comment

Duplicate of TW4-05

TW4-70 10-27-2014 Do not touch this cell (SheetName)

Tab C

Weekly and Monthly Depth to Water Data

Weekly Inspection Form

Date 10/6/14 **Name** Garrin, Tanner

Time	Well	Depth*	Comments		System Operational (If no note any problems/corrective actions)
1343	MW-4	71.93	Flow	4.4 GPM	Yes No
			Meter	495345.91	Yes No
1339	MW-26	71.20	Flow	10.0 GPM	Yes No
			Meter	459524.81	Yes No
1235	TW4-19	67.42	Flow	11.5 GPM	Yes No
			Meter	2909727.00	Yes No
1336	TW4-20	70.01	Flow	8.8 GPM	Yes No
			Meter	30251.71	Yes No
1346	TW4-4	69.92	Flow	8.0 GPM	Yes No
			Meter	441615.30	Yes No
1325	TWN-2	27.20	Flow	18.4 GPM	Yes No
			Meter	327178.40	Yes No
1333	TW4-22	61.12	Flow	17.6 GPM	Yes No
			Meter	167826.40	Yes No
1329	TW4-24	97.02	Flow	17.0 GPM	Yes No
			Meter	1536340.80	Yes No
1320	TW4-25	62.58	Flow	17.4 GPM	Yes No
			Meter	902667.80	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 10/13/2014 **Name** Tanner Holliday, Garrin Palmer

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1453	MW-4	71.25	Flow 4.3	Yes No
			Meter 501119.43	Yes No
1450	MW-26	68.95	Flow 10.0	Yes No
			Meter 461517.20	Yes No
~~1437~~ 1510	TW4-19	~~69.85~~ 75.10	Flow 11.0	Yes No
			Meter 29341200.0	Yes No
1447	TW4-20	71.05	Flow 8.3	Yes No
			Meter 31685.02	Yes No
1457	TW4-4	69.70	Flow 8.0	Yes No
			Meter 4467799	Yes No
1438	TWN-2	26.90	Flow 18.0	Yes No
			Meter 3308219	Yes No
1444	TW4-22	62.40	Flow 17.0	Yes No
			Meter 169767.7	Yes No
1441	TW4-24	69.83	Flow 17.3	Yes No
			Meter 1552426.1	Yes No
1434	TW4-25	61.37	Flow 16.8	Yes No
			Meter 9116606	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 10/21/14 **Name** Garrin Palmer / Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1330	MW-4	72.44	Flow 4.4 GPM	Yes No
			Meter 507973.20	Yes No
1324	MW-26	71.60	Flow ~~[illegible]~~ 9.7 GPM	Yes No
			Meter 463585.70	Yes No
1415	TW4-19	68.20	Flow 11.0 GPM	Yes No
			Meter 2491441.00	Yes No
1317	TW4-20	69.08	Flow 8.0 GPM	Yes No
			Meter 33031.08	Yes No
1339	TW4-4	69.74	Flow 8.0 GPM	Yes No
			Meter 452554	Yes No
1250	TWN-2	27.42	Flow 18.2 GPM	Yes No
			Meter 335187.40	Yes No
1308	TW4-22	61.20	Flow 18.0 GPM	Yes No
			Meter 171994.50	Yes No
1300	TW4-24	68.42 ~~27.42~~	Flow 17.0 GPM	Yes No
			Meter 1570521.10	Yes No
1247	TW4-25	88.50	Flow 17.4 GPM	Yes No
			Meter 922094.10	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 10/27/14 **Name** Garrin Palmer / Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0951	MW-4	79.98	Flow 4.4 GPM	Yes No
			Meter 512809.82	Yes No
0948	MW-26	72.25	Flow 10.0 GPM	Yes No
			Meter 464542.36	Yes No
1009	TW4-19	84.46	Flow 11.0 GPM	Yes No
			Meter 2981400.05	Yes No
0945	TW4-20	70.12	Flow 8.5 GPM	Yes No
			Meter 34119.53	Yes No
0954	TW4-4	70.48	Flow 6.0 GPM	Yes No
			Meter 456679.80	Yes No
0934	TWN-2	28.40	Flow 18.6 GPM	Yes No
			Meter 338218.70	Yes No
0942	TW4-22	61.15	Flow 18.0 GPM	Yes No
			Meter 173017.50	Yes No
0938	TW4-24	68.85	Flow 16.6 GPM	Yes No
			Meter 1584046.90	Yes No
0930	TW4-25	71.48	Flow 17.3 GPM	Yes No
			Meter 929605.00	Yes No

Operational Problems (Please list well number): ______

Corrective Action(s) Taken (Please list well number): ______

* Depth is measured to the nearest 0.01 feet.

Monthly Depth Check Form

Date 10/29/2014 **Name** Tanner Holliday / Garrin Palmer

Time	**Well**	**Depth***	**Time**	**Well**	**Depth***
0939	MW-4	76.12	1247	TWN-1	60.35
0910	TW4-1	67.90	1251	TWN-2	28.40
1040	TW4-2	68.10	1257	TWN-3	37.78
1347	TW4-3	55.02	1254	TWN-4	52.62
1350	TW4-4	69.18	1302	TWN-7	86.60
1346	TW4-5	63.97	1253	TWN-18	59.70
0829	TW4-6	70.42	1259	MW-27	53.75
0933	TW4-7	68.60	1307	MW-30	75.50
0801	TW4-8	67.30	1310	MW-31	68.37
0745	TW4-9	61.72	1410	TW4-28	38.28
0959	TW4-10	61.42	0821	TW4-29	72.70
0904	TW4-11	61.20	1400	TW4-30	76.80
1409	TW4-12	43.86	1402	TW4-31	81.85
1408	TW4-13	49.24	1411	TW4-32	50.03
1405	TW4-14	82.85	0753	TW4-33	71.19
1346	TW4-15	73.18	1356	TW4-34	70.51
0837	TW4-16	66.15	1358	TW4-35	74.36
0717	TW4-17	76.23	1406	TW4-36	57.17
1249	TW4-18	64.95			
1440	TW4-19	69.70			
1344	TW4-20	70.07			
0810	TW4-21	66.35			
1342	TW4-22	59.95			
1352	TW4-23	67.01			
1340	TW4-24	68.44			
1250	TW4-25	62.80			
1353	TW4-26	64.59			
1354	TW4-27	80.45			

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

* Depth is measured to the nearest 0.01 feet

5055086

Weekly Inspection Form

Date 11/3/14 **Name** Garrin Palmer

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1429	MW-4	70.28	Flow 4.4 GPM	Yes No
			Meter 518805.84	Yes No
1424	MW-26	73.23	Flow 10.0 GPM	Yes No
			Meter 466344.11	Yes No
1510	TW4-19	76.40	Flow 10.5 GPM	Yes No
			Meter 3009557.00	Yes No
1420	TW4-20	70.48	Flow 8.2 GPM	Yes No
			Meter 35445.08	Yes No
1432	TW4-4	69.70	Flow 7.6 GPM	Yes No
			Meter 461723.00	Yes No
1359	TWN-2	28.90	Flow 18.7 GPM	Yes No
			Meter 342090.60	Yes No
1415	TW4-22	67.90	Flow 18.0 GPM	Yes No
			Meter 175580.10	Yes No
1410	TW4-24	69.20	Flow 17.4 GPM	Yes No
			Meter 1600878.00	Yes No
1330	TW4-25	58.50	Flow ~~18.7 GPM~~ 18.0 GPM	Yes No
			Meter 932585.60	Yes No

Operational Problems (Please list well number): TW4-25 was found w/out power. Power was restored to pump. well is back to operation.

Corrective Action(s) Taken (Please list well number):

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 11/11/14 **Name** Garrin Palmer / Tanner Holliday

Time	Well	Depth*	Comments		System Operational (If no note any problems/corrective actions)
1337	MW-4	71.57	Flow	4.4 GPM	Yes No
			Meter	522792.55	Yes No
1337	MW-26	80.20	Flow	9.8 GPM	Yes No
			Meter	468438.13	Yes No
1223	TW4-19	78.92	Flow	10.0 GPM	Yes No
			Meter	3032154.00	Yes No
1334	TW4-20	71.04	Flow	8.3 GPM	Yes No
			Meter	36986.17	Yes No
1340	TW4-4	70.30	Flow	7.7 GPM	Yes No
			Meter	467441.70	Yes No
1324	TWN-2	28.40	Flow	18.2 GPM	Yes No
			Meter	346208.70	Yes No
1330	TW4-22	~~113.08~~ 72.95	Flow	18.0 GPM	Yes No
			Meter	177698.30	Yes No
1328	TW4-24	107.60	Flow	17.0 GPM	Yes No
			Meter	1621203.20	Yes No
1320	TW4-25	62.31	Flow	18.0 GPM	Yes No
			Meter	943773.80	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 11/18/14 **Name** Garrin Palmer / Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1519	MW-4	65.55	Flow 4.4 GPM	Yes No
			Meter 527319.08	Yes No
1510	MW-26	71.90	Flow 9.0 GPM	Yes No
			Meter 470520.56	Yes No
1448	TW4-19	66.44	Flow 10.0 GPM	Yes No
			Meter 3052086.02	Yes No
1540	TW4-20	70.43	Flow 8.2 GPM	Yes No
			Meter 38140.16	Yes No
1520	TW4-4	69.14	Flow 7.4 GPM	Yes No
			Meter 472750.90	Yes No
1459	TWN-2	29.33	Flow 17.8 GPM	Yes No
			Meter 349978.60	Yes No
1506	TW4-22	61.89	Flow 17.1 GPM	Yes No
			Meter 179928.70	Yes No
1503	TW4-24	68.45	Flow 17.4 GPM	Yes No
			Meter 1634244.30	Yes No
1456	TW4-25	61.43	Flow 17.4 GPM	Yes No
			Meter 953479.60	Yes No

Operational Problems (Please list well number): Timer on MW-26 needed to be reset because data was lost when power was turned off to well.

Corrective Action(s) Taken (Please list well number): Reset timer. Well functioning properly.

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 11/24/14 **Name** Garrin Palmer / Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0930	MW-4	67.80	Flow 4.4 GPM	Yes No
			Meter 532314.62	Yes No
0922	MW-26	78.68	Flow 9.8 GPM	Yes No
			Meter 471641.23	Yes No
0845	TW4-19	72.95	Flow 11.0 GPM	Yes No
			Meter 3058396.50	Yes No
0920	TW4-20	69.50	Flow 8.5 GPM	Yes No
			Meter 39036.80	Yes No
0926	TW4-4	69.10	Flow 8.0 GPM	Yes No
			Meter 476424.80	Yes No
0909	TWN-2	49.60	Flow 18.2 GPM	Yes No
			Meter 353029.30	Yes No
0916	TW4-22	61.63	Flow 17.6 GPM	Yes No
			Meter 181190.40	Yes No
0913	TW4-24	67.72	Flow 17.0 GPM	Yes No
			Meter 164386.80	Yes No
0905	TW4-25	102.42	Flow 17.2 GPM	Yes No
			Meter 961325.60	Yes No

Operational Problems (Please list well number): TW4-4, MW-4 discharge lines found frozen. Flow meter on TW4-4 froze and cracked.

Corrective Action(s) Taken (Please list well number): Replaced flow meter on TW4-4 and un-thawed frozen discharge lines.

* Depth is measured to the nearest 0.01 feet.

Monthly Depth Check Form

Date 11/25/14 **Name** Garrin Palmer/Tanner Holliday

Time	**Well**	**Depth***	**Time**	**Well**	**Depth***
0930	MW-4	68.80	1233	TWN-1	60.46
1256	TW4-1	67.97	0909	TWN-2	~~89.60~~ 29.60
1259	TW4-2	67.55	1241	TWN-3	37.93
1301	TW4-3	55.23	1245	TWN-4	52.70
0926	TW4-4	69.90	1253	TWN-7	86.05
1303	TW4-5	63.98	1248	TWN-18	59.63
1252	TW4-6	70.31	1250	MW-27	53.74
1323	TW4-7	67.24	1259	MW-30	75.41
1317	TW4-8	66.52	1301	MW-31	68.33
1304	TW4-9	61.80	1223	TW4-28	38.41
1306	TW4-10	61.41	1233	TW4-29	72.75
1311	TW4-11	60.41	1240	TW4-30	76.80
1221	TW4-12	44.08	1241	TW4-31	81.78
1226	TW4-13	49.60	1224	TW4-32	50.20
1229	TW4-14	82.70	1244	TW4-33	71.25
0923	TW4-15	76.82	1234	TW4-34	70.65
1309	TW4-16	66.19	1238	TW4-35	74.34
1305	TW4-17	76.31	1246	TW4-36	57.24
1236	TW4-18	64.81			
0850	TW4-19	74.68			
0920	TW4-20	69.60			
1238	TW4-21	65.61			
0916	TW4-22	61.83			
1250	TW4-23	67.25			
0913	TW4-24	67.72			
0903	TW4-25	70.18			
1248	TW4-26	64.71			
1230	TW4-27	80.47			

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

* Depth is measured to the nearest 0.01 feet

Weekly Inspection Form

Date 12/2/14 **Name** Garrin Palmer / Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1230	MW-4	64.49	Flow 4.4 GPM	Yes No
			Meter 5034671.58	Yes No
1227	MW-26	80.61	Flow 9.8 GPM	Yes No
			Meter 473685.54	Yes No
1300	TW4-19	68.49	Flow 11.4 GPM	Yes No
			Meter 3064457.00	Yes No
1224	TW4-20	68.80	Flow 8.4 GPM	Yes No
			Meter 40515.36	Yes No
1233	TW4-4	69.70	Flow 7.8 GPM	Yes No
			Meter 6243.30	Yes No
1215	TWN-2	43.98	Flow 18.4 GPM	Yes No
			Meter 357655.40	Yes No
1221	TW4-22	61.45	Flow 17.4 GPM	Yes No
			Meter 183393.60	Yes No
1218	TW4-24	67.20	Flow 16.7 GPM	Yes No
			Meter 1656422.70	Yes No
1212	TW4-25	58.70	Flow ——	Yes No
			Meter 970907.90	Yes No

Operational Problems (Please list well number): TW4-25 will be off until Thursday the 4th because of construction in the area.

Corrective Action(s) Taken (Please list well number):

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 12/8/14 **Name** Garrin Palmer

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1238	MW-4	71.45	Flow 4.4 GPM	Yes No
			Meter 540913.04	Yes No
1235	MW-26	77.60	Flow 9.8 GPM	Yes No
			Meter 474539.17	Yes No
1310	TW4-19	68.42	Flow 11.0 GPM	Yes No
			Meter 3069078.00	Yes No
1233	TW4-20	68.27	Flow 8.5 GPM	Yes No
			Meter 416970.60	Yes No
1242	TW4-4	69.89	Flow 8.2 GPM	Yes No
			Meter 10064.30	Yes No
1217	TWN-2	36.62	Flow 18.6 GPM	Yes No
			Meter 360472.80	Yes No
1229	TW4-22	61.55	Flow 18.0 GPM	Yes No
			Meter 184923.40	Yes No
1226	TW4-24	66.82	Flow 17.8 GPM	Yes No
			Meter 1665844.50	Yes No
1211	TW4-25	58.58	Flow 17.2 GPM	Yes No
			Meter 970941.00	Yes No

Operational Problems (Please list well number): Timer on TW4-25 lost settings due to being off. Heat lamp bulb went out on ~~TW4~~ MW-4.

Corrective Action(s) Taken (Please list well number): Reset timer on TW4-25 and date/time. Replaced bulb on MW-4.

* Depth is measured to the nearest 0.01 feet.

5220056

Weekly Inspection Form

Date 12/15/14 **Name** Garrin Palmer

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1434	MW-4	73.18	Flow 4.4 GPM	Yes No
			Meter 548485.56	Yes No
1426	MW-26	69.30	Flow 9.0 GPM	Yes No
			Meter 476405.11	Yes No
1506 ~~1438~~	TW4-19	75.92	Flow 11.0 GPM	Yes No
			Meter 3074328.00	Yes No
1430	TW4-20	68.20	Flow 8.2 GPM	Yes No
			Meter 42904.58	Yes No
1438	TW4-4	69.87	Flow 8.0 GPM	Yes No
			Meter 16410.90	Yes No
1417	TWN-2	30.70	Flow 18.2 GPM	Yes No
			Meter 364091.30	Yes No
1426	TW4-22	69.32	Flow 18.1 GPM	Yes No
			Meter 186969.30	Yes No
1422	TW4-24	67.40	Flow 17.8 GPM	Yes No
			Meter 1677079.60	Yes No
1410	TW4-25	61.40	Flow 17.4 GPM	Yes No
			Meter 981260.00	Yes No

Operational Problems (Please list well number): ______

Corrective Action(s) Taken (Please list well number): ______

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 12/22/14 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1305	MW-4	64.80	Flow 4.4 GPM	Yes No
			Meter 549521.45	Yes No
1302	MW-26	71.15	Flow 10.0 GPM	Yes No
			Meter 478501.32	Yes No
1348	TW4-19	68.14	Flow 11.0 GPM	Yes No
			Meter 3079543.00	Yes No
1316	TW4-20	83.70	Flow 7.4 GPM	Yes No
			Meter 44258.29	Yes No
1310	TW4-4	69.90	Flow 7.6 GPM	Yes No
			Meter 21498.70	Yes No
1251	TWN-2	31.40	Flow 17.2 GPM	Yes No
			Meter 367741.10	Yes No
1258	TW4-22	60.73	Flow 17.5 GPM	Yes No
			Meter 188721.30	Yes No
1255	TW4-24	65.30	Flow 17.6 GPM	Yes No
			Meter 1687955.30	Yes No
1248	TW4-25	54.79	Flow 16.8 GPM	Yes No
			Meter 991253.60	Yes No

Operational Problems (Please list well number): MW-4 settings were erased.

Corrective Action(s) Taken (Please list well number): Re programed well settings

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 12/29/14 **Name** Garrin Palmer

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1207	MW-4	64.80	Flow —	Yes No
			Meter 552582.49	Yes No
1204	MW-26	68.80	Flow —	Yes No
			Meter 479490.56	Yes No
1401	TW4-19	69.72	Flow 11.0 GPM	Yes No
			Meter 3084882.00	Yes No
1200	TW4-20	67.00	Flow 7.9 GPM	Yes No
			Meter 45401.03	Yes No
1208	TW4-4	69.02	Flow —	Yes No
			Meter 24524.60	Yes No
1148	TWN-2	31.81	Flow 18.8 GPM	Yes No
			Meter 371050 20	Yes No
1156	TW4-22	58.80	Flow 18.0 GPM	Yes No
			Meter 190029.40	Yes No
1152	TW4-24	67.89	Flow 17.7 GPM	Yes No
			Meter 1698779.90	Yes No
1144	TW4-25	62.74	Flow 17.2 GPM	Yes No
			Meter 1000986.70	Yes No

Operational Problems (Please list well number): MW-4, MW-26, TW4-4 discharge lines are frozen.

Corrective Action(s) Taken (Please list well number): Kathy Weinel spoke with Phil Goble and wells will be started when wells are connected to new discharge line.

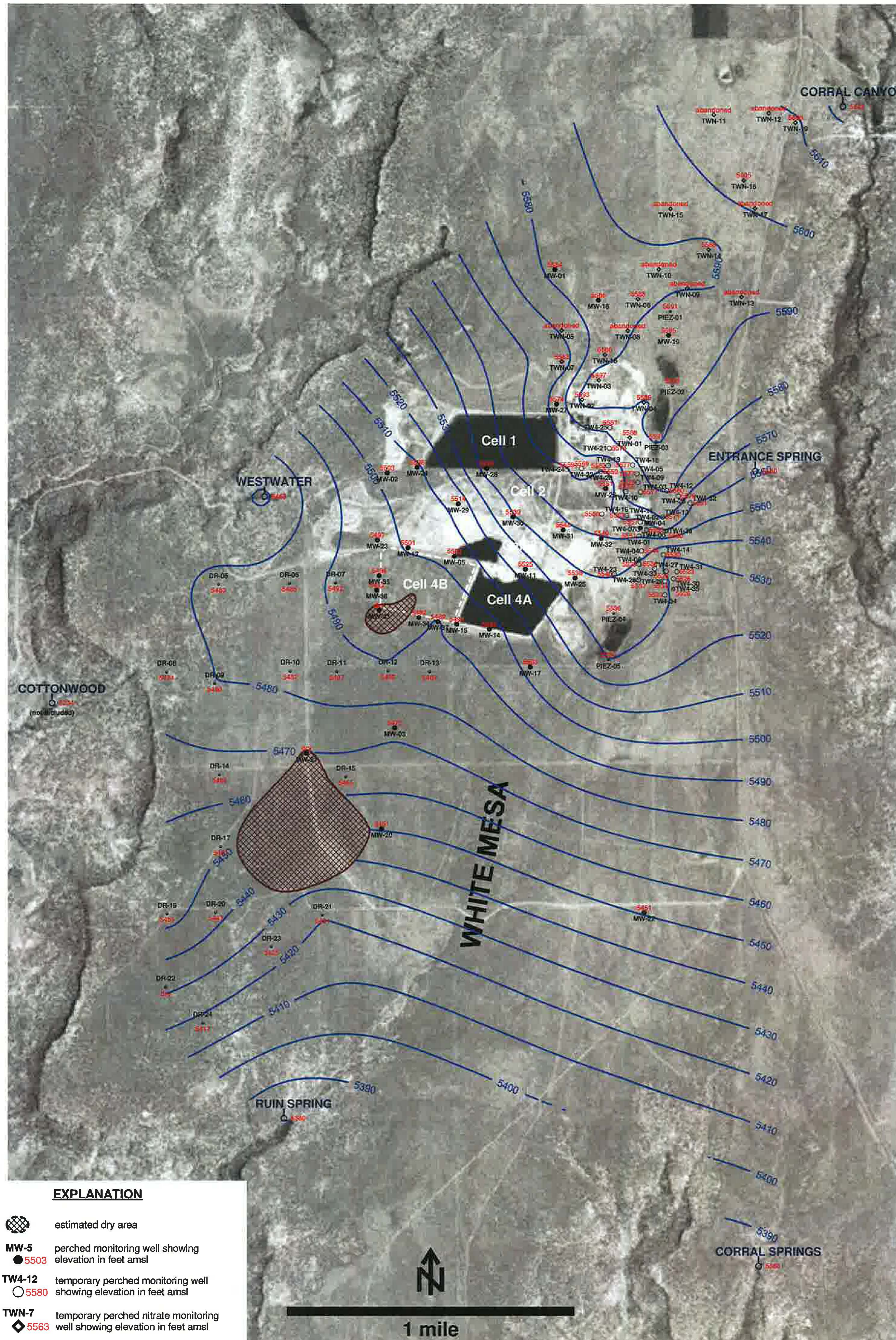
* Depth is measured to the nearest 0.01 feet.

Tab D

Kriged Current Quarter Groundwater Contour Map, Details Map, and Depth to Water Summary

NAME: Garrin Palmer, Tanner Holliday
DATE: 12/17/14

TIME	WELL	Depth to Water (ft.)	TIME	WELL	Depth to Water (ft.)	TIME	WELL	Depth to Water (ft.)	TIME	WELL	Depth to Water (ft.)
1250	MW-1	64.06	927	MW-4	70.25	1238	PIEZ-1	64.10	NA	DR-1	ABANDON
1029	MW-2	109.69	931	TW4-1	67.86	1233	PIEZ-2	36.15	NA	DR-2	ABANDON
725	MW-3	82.71	929	TW4-2	67.65	1231	PIEZ-3	47.36	1340	DR-5	83.00
726	MW-3A	84.65	924	TW4-3	54.83	1004	PIEZ-4	55.12	1343	DR-6	94.35
1024	MW-5	106.10	932	TW4-4	69.80	1002	PIEZ-5	54.17	738	DR-7	92.03
1213	MW-11	86.20	921	TW4-5	63.26	1304	TWN-1	60.35	1353	DR-8	51.20
1021	MW-12	108.21	934	TW4-6	70.07	1303	TWN-2	34.03	1349	DR-9	86.41
1010	MW-14	103.15	927	TW4-7	68.45	1259	TWN-3	37.95	1347	DR-10	78.15
1012	MW-15	106.05	926	TW4-8	66.45	1229	TWN-4	52.45	732	DR-11	98.20
719	MW-17	72.13	922	TW4-9	61.15		TWN-5	ABANDON	729	DR-12	90.51
1256	MW-18	71.24	919	TW4-10	61.05	1247	TWN-6	77.25	722	DR-13	69.73
1236	MW-19	59.85	1219	TW4-11	60.25	1253	TWN-7	86.05	1358	DR-14	76.24
1425	MW-20	90.00	955	TW4-12	43.90		TWN-8	ABANDON	1429	DR-15	92.83
1435	MW-22	66.79	953	TW4-13	48.86		TWN-9	ABANDON	NA	DR-16	ABANDON
746	MW-23	115.28	950	TW4-14	82.36		TWN-10	ABANDON	1401	DR-17	67.91
1032	MW-24	113.35	916	TW4-15	74.80		TWN-11	ABANDON	NA	DR-18	ABANDON
1008	MW-25	75.00	1217	TW4-16	66.02		TWN-12	ABANDON	1404	DR-19	63.02
916	MW-26	74.80	1211	TW4-17	76.25		TWN-13	ABANDON	1413	DR-20	55.58
1224	MW-27	53.39	1305	TW4-18	64.17	1241	TWN-14	61.65	1419	DR-21	101.13
1034	MW-28	75.30	1158	TW4-19	68.40		TWN-15	ABANDON	1406	DR-22	DRY
1029	MW-29	101.00	914	TW4-20	70.14	1244	TWN-16	47.45	1417	DR-23	70.50
1206	MW-30	75.20	1306	TW4-21	63.22		TWN-17	ABANDON	1409	DR-24	44.00
1208	MW-31	68.15	912	TW4-22	60.40	1226	TWN-18	59.46	NA	DR-25	ABANDON
1211	MW-32	76.25	1006	TW4-23	67.03	853	TWN-19	53.00			
741	MW-33	DRY	910	TW4-24	66.86						
1017	MW-34	107.71	1308	TW4-25	63.78						
744	MW-35	112.16	936	TW4-26	64.54						
742	MW-36	110.32	941	TW4-27	80.13						
1015	MW-37	110.00	956	TW4-28	38.28						
			949	TW4-29	72.44						
			944	TW4-30	76.40						
			942	TW4-31	81.31						
			958	TW4-32	50.91						
			939	TW4-33	71.00						
			947	TW4-34	70.35						
			945	TW4-35	74.15						
			952	TW4-36	56.82						



EXPLANATION

estimated dry area

MW-5 ● 5503 — perched monitoring well showing elevation in feet amsl

TW4-12 ○ 5580 — temporary perched monitoring well showing elevation in feet amsl

TWN-7 ◆ 5563 — temporary perched nitrate monitoring well showing elevation in feet amsl

PIEZ-1 5591 — perched piezometer showing elevation in feet amsl

TW4-35 5526 — temporary perched monitoring well installed May, 2014 showing elevation in feet amsl

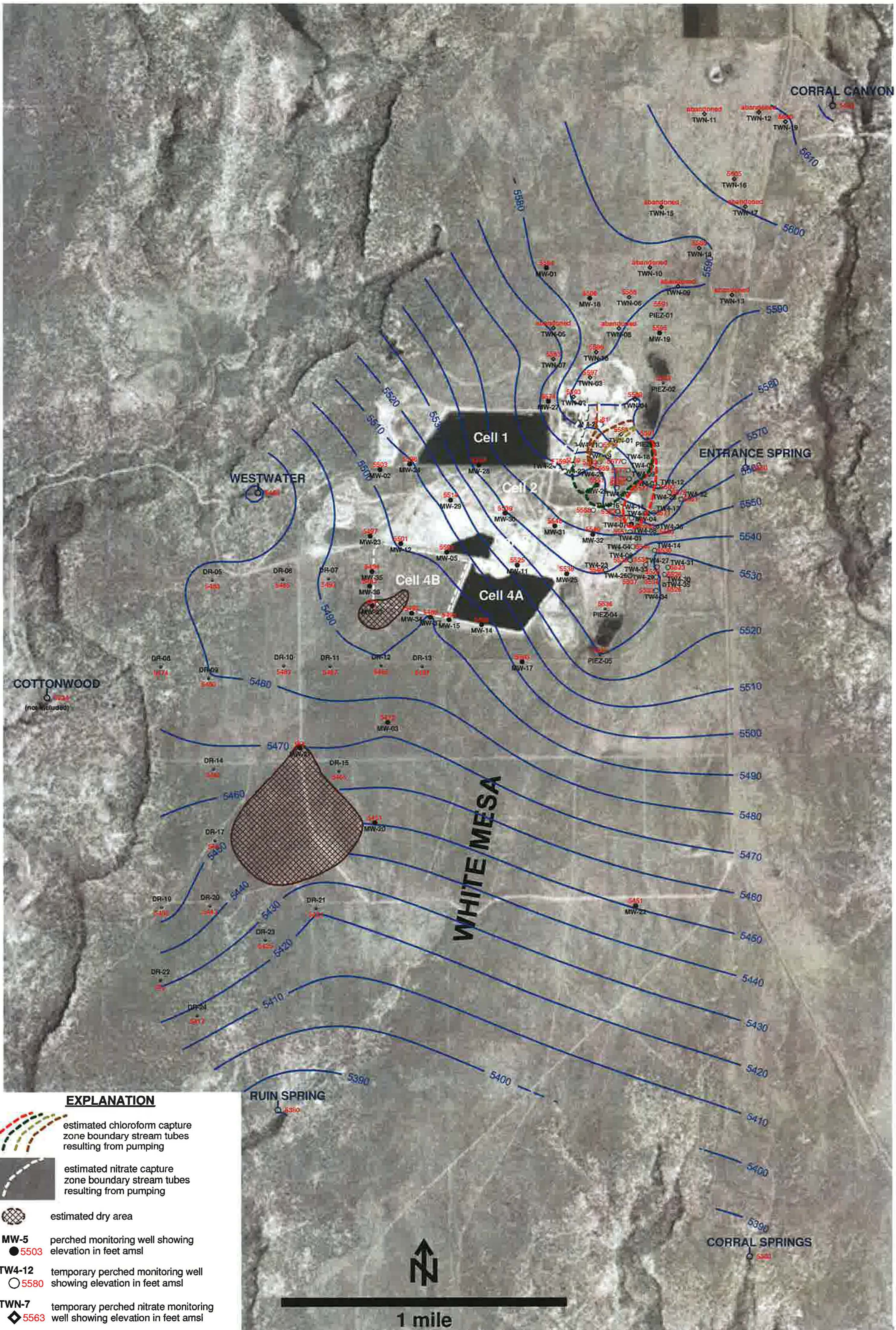
RUIN SPRING 5380 — seep or spring showing elevation in feet amsl

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, 2014 WATER LEVELS WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/feb15/WL/Uwl1214.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 ○ 5580 — temporary perched monitoring well showing elevation in feet amsl

TWN-7 ◆ 5563 — temporary perched nitrate monitoring well showing elevation in feet amsl

PIEZ-1 5591 — perched piezometer showing elevation in feet amsl

TW4-35 ☼ 5526 — temporary perched monitoring well installed May, 2014 showing elevation in feet amsl

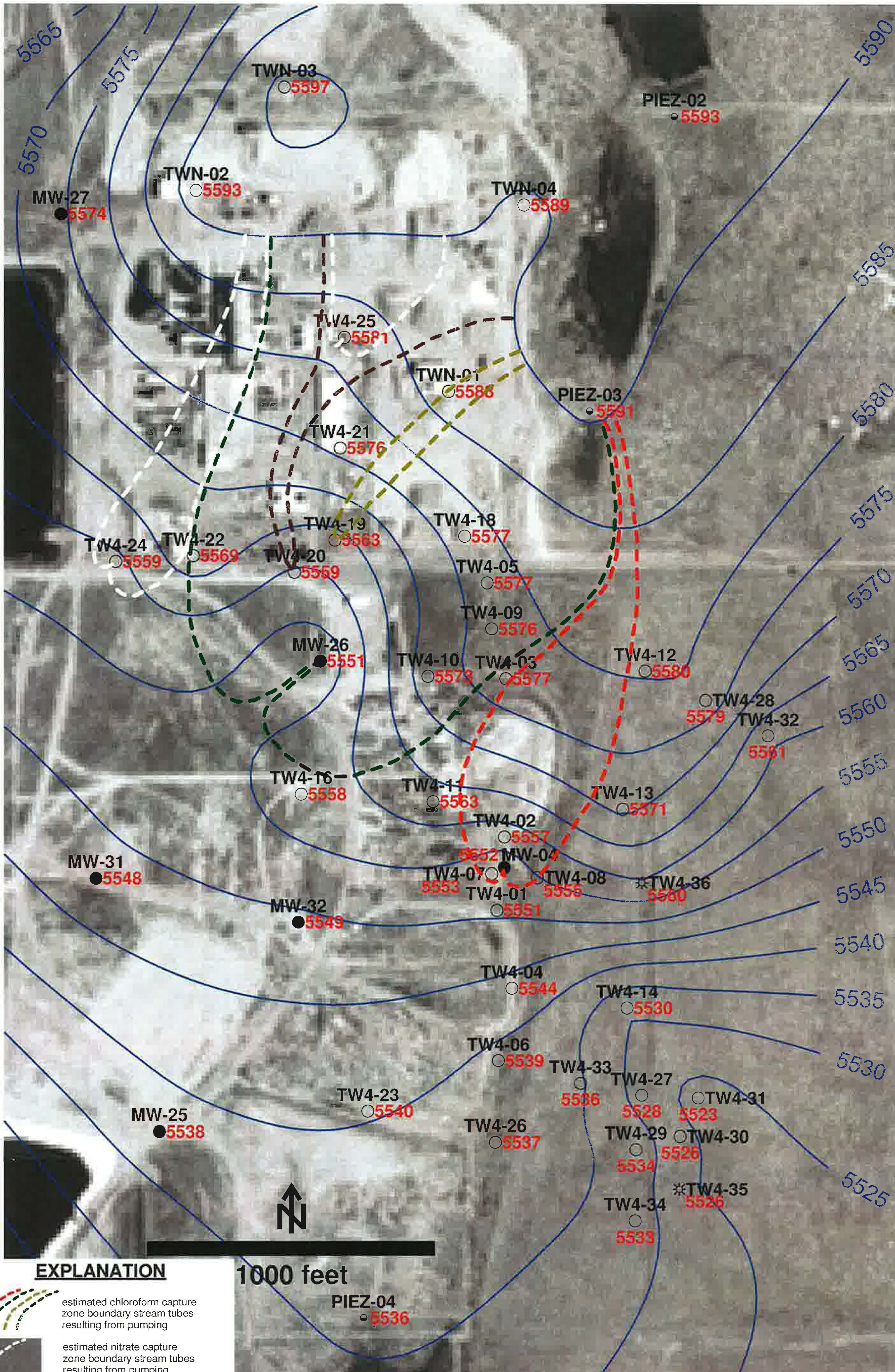
RUIN SPRING 5380 — seep or spring showing elevation in feet amsl

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, 2014 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/feb15/WLs/Uwl1214cz2.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 5552 perched monitoring well showing elevation in feet amsl

TW4-1 5551 temporary perched monitoring well showing elevation in feet amsl

PIEZ-2 5593 perched piezometer showing elevation in feet amsl

TW4-35 5526 temporary perched monitoring well installed May, 2014 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

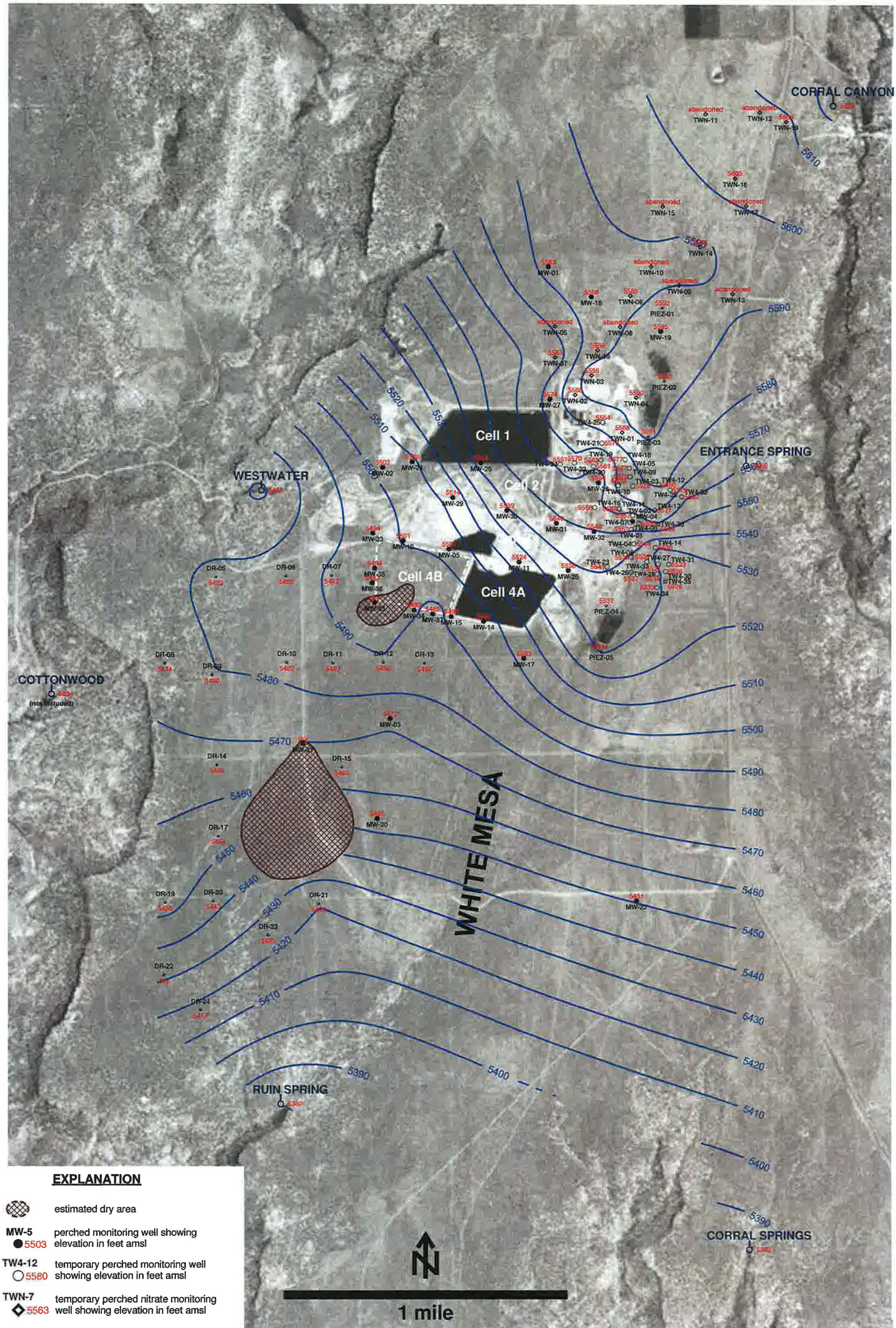
HYDRO GEO CHEM, INC.

KRIGED 4th QUARTER, 2014 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE (detail map)

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/feb15/WL/Uwl1214cz.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** ○ 5580 — temporary perched monitoring well showing elevation in feet amsl
- **TWN-7** ◆ 5563 — temporary perched nitrate monitoring well showing elevation in feet amsl
- **PIEZ-1** 5592 — perched piezometer showing elevation in feet amsl
- **TW4-35** 5526 — temporary perched monitoring well installed May, 2014 showing elevation in feet amsl
- **RUIN SPRING** 5380 — seep or spring showing elevation in feet amsl

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.

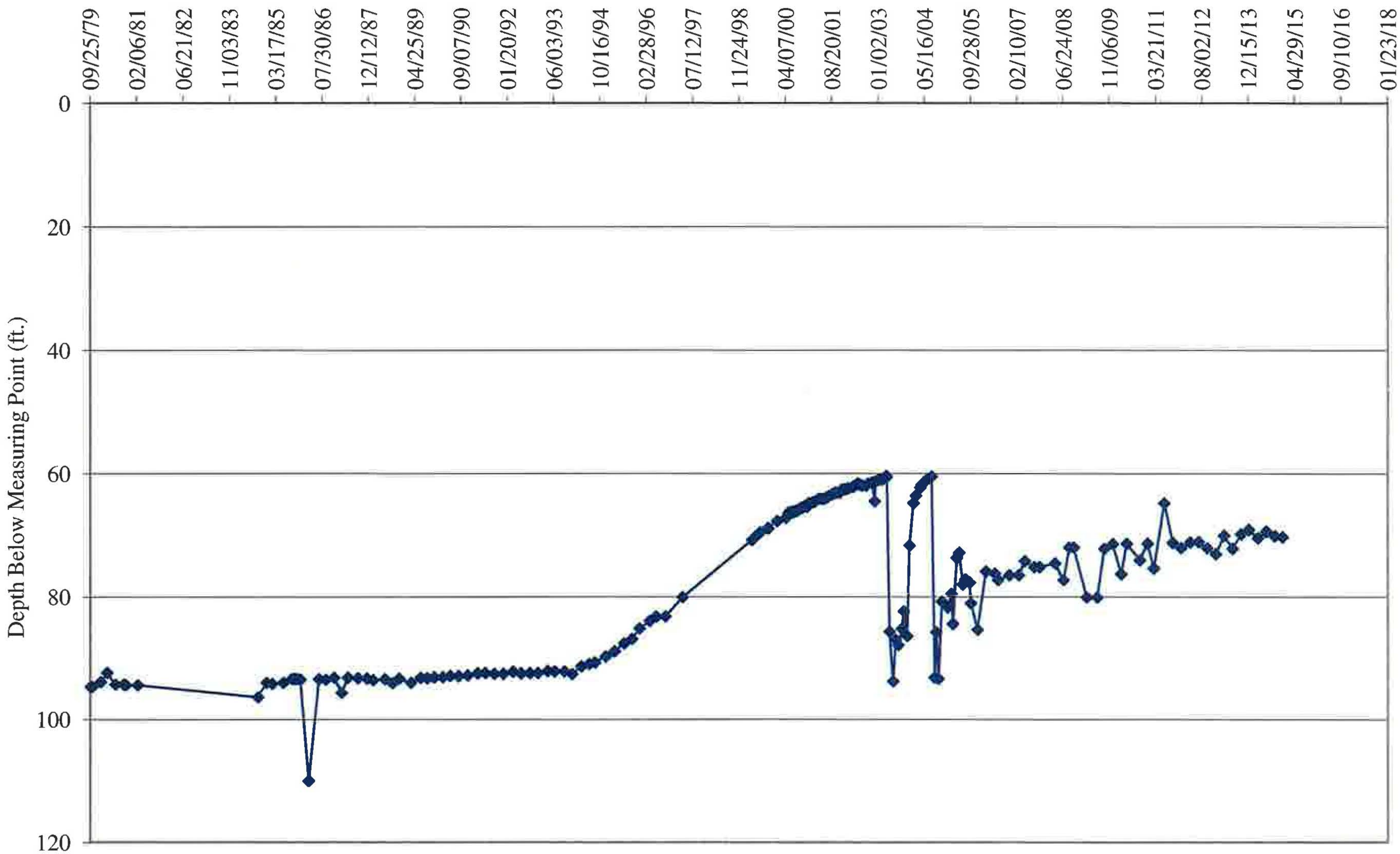
KRIGED 3rd QUARTER, 2014 WATER LEVELS WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov14/Uwl0914.srf	E-1

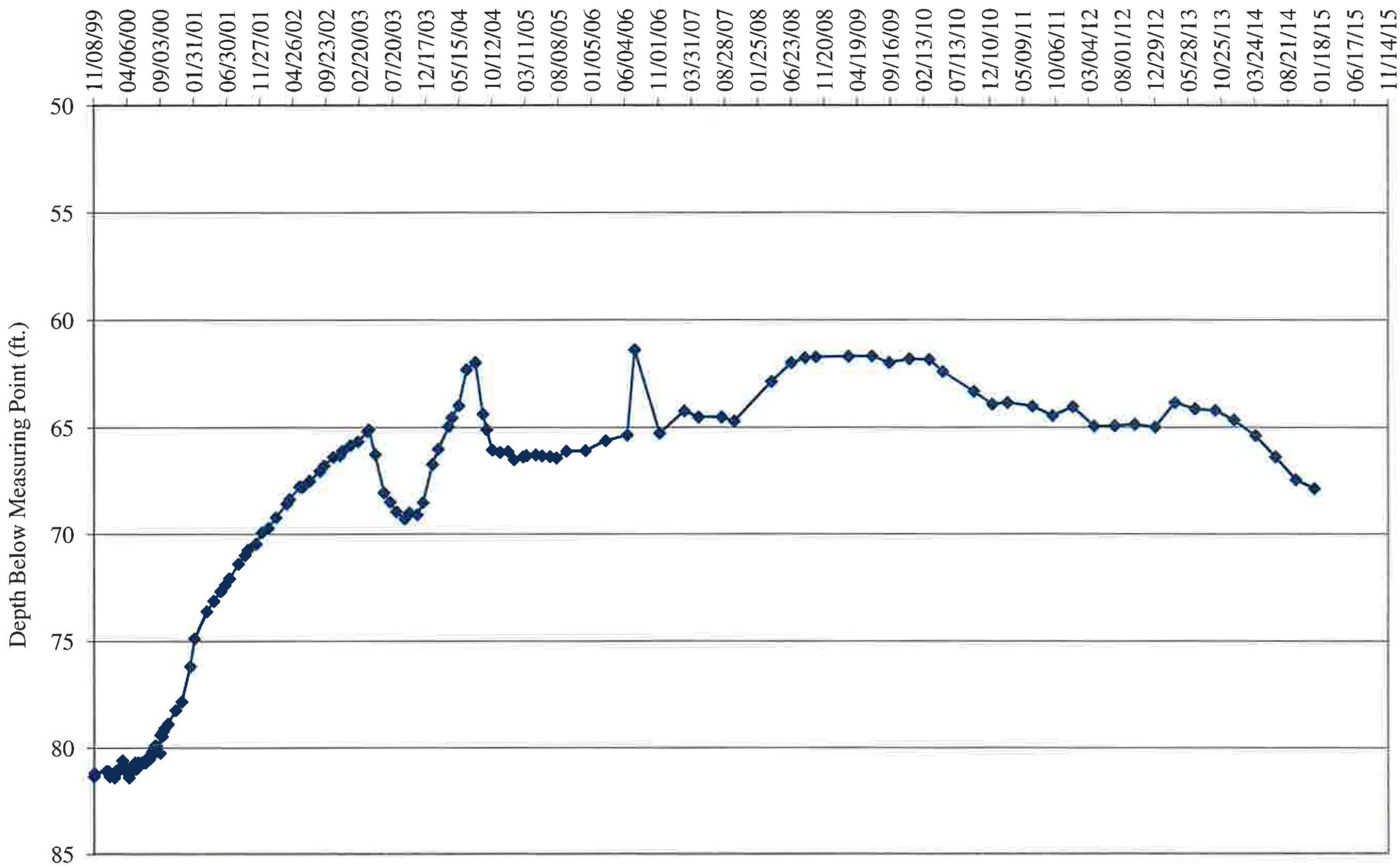
Tab F

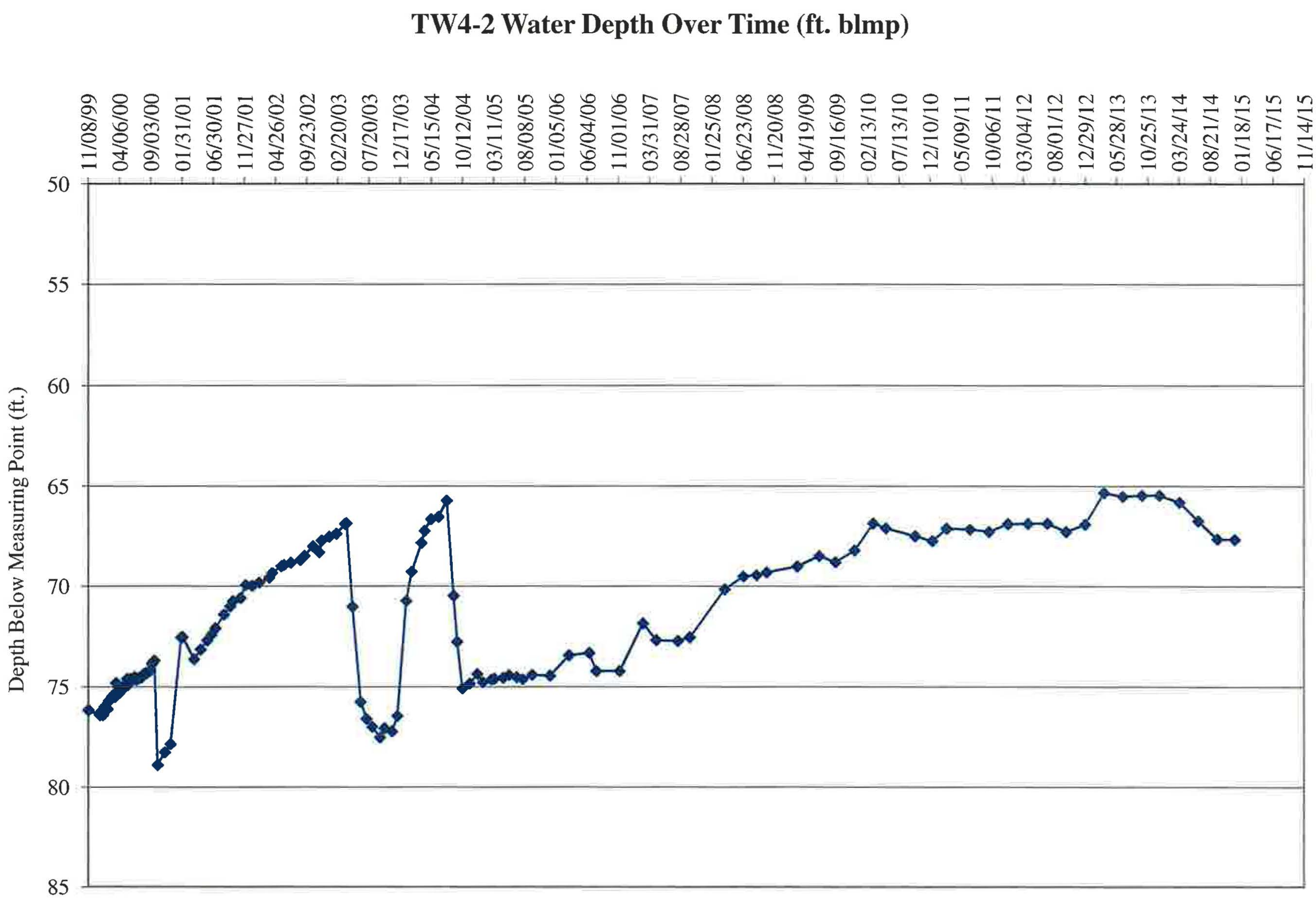
Hydrographs of Groundwater Elevations Over Time for Chloroform Monitoring Wells

MW 4 Water Depth Over Time (ft. blmp)



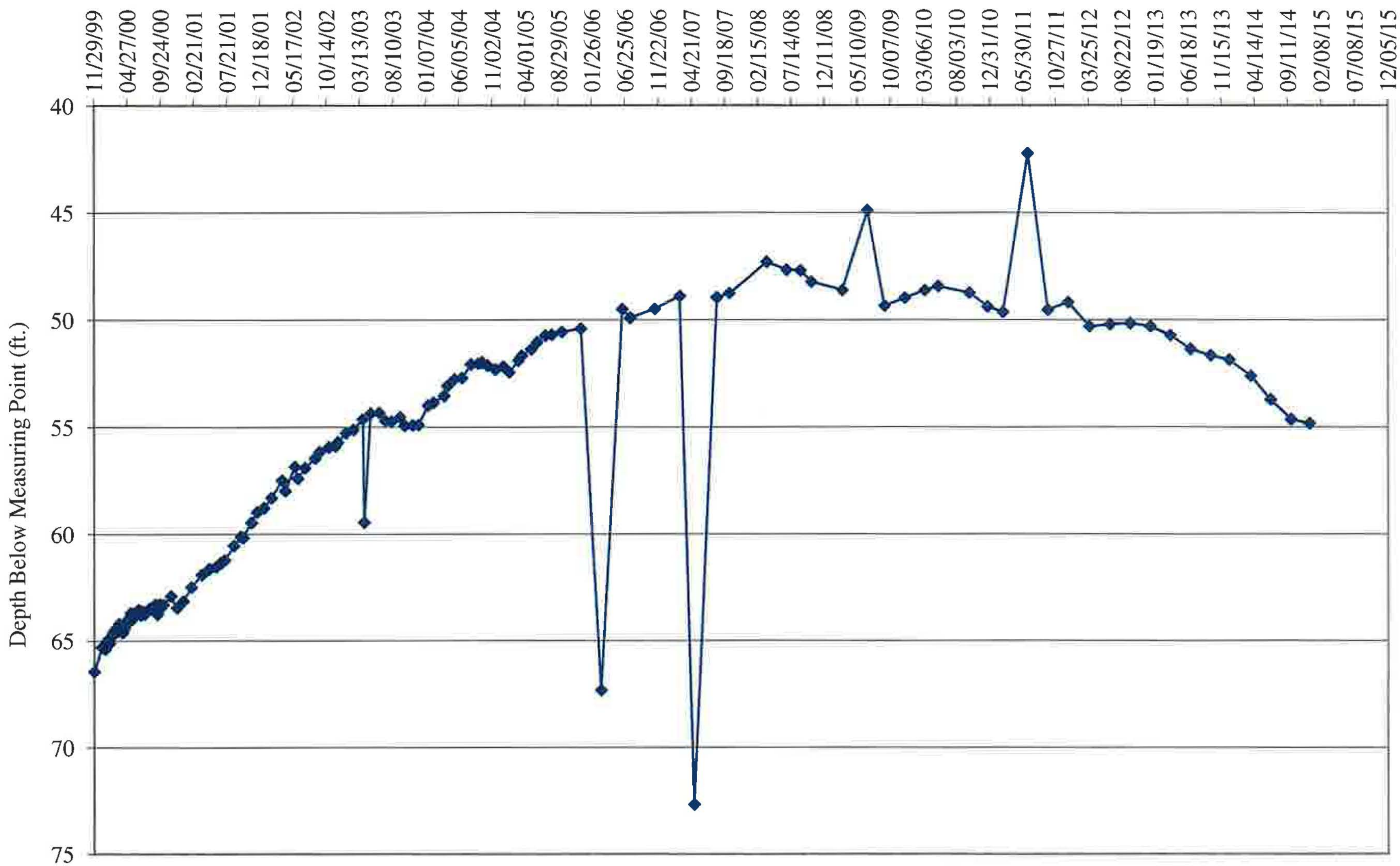
TW4-1 Water Depth Over Time (ft. blmp)



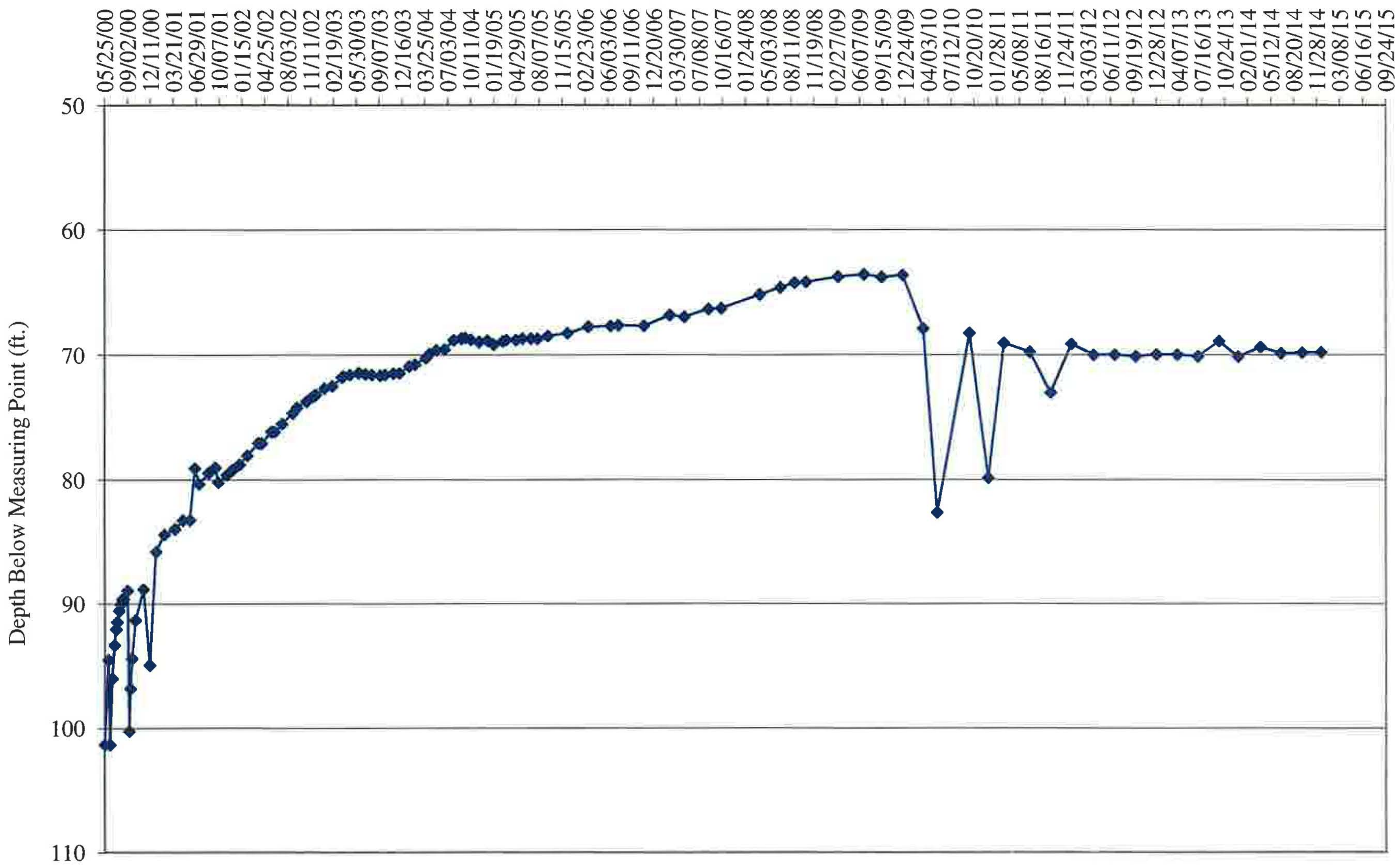


TW4-2 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
50
55
60
65
70
75
80
85
11/08/99
04/06/00
09/03/00
01/31/01
06/30/01
11/27/01
04/26/02
09/23/02
02/20/03
07/20/03
12/17/03
05/15/04
10/12/04
03/11/05
08/08/05
01/05/06
06/04/06
11/01/06
03/31/07
08/28/07
01/25/08
06/23/08
11/20/08
04/19/09
09/16/09
02/13/10
07/13/10
12/10/10
05/09/11
10/06/11
03/04/12
08/01/12
12/29/12
05/28/13
10/25/13
03/24/14
08/21/14
01/18/15
06/17/15
11/14/15

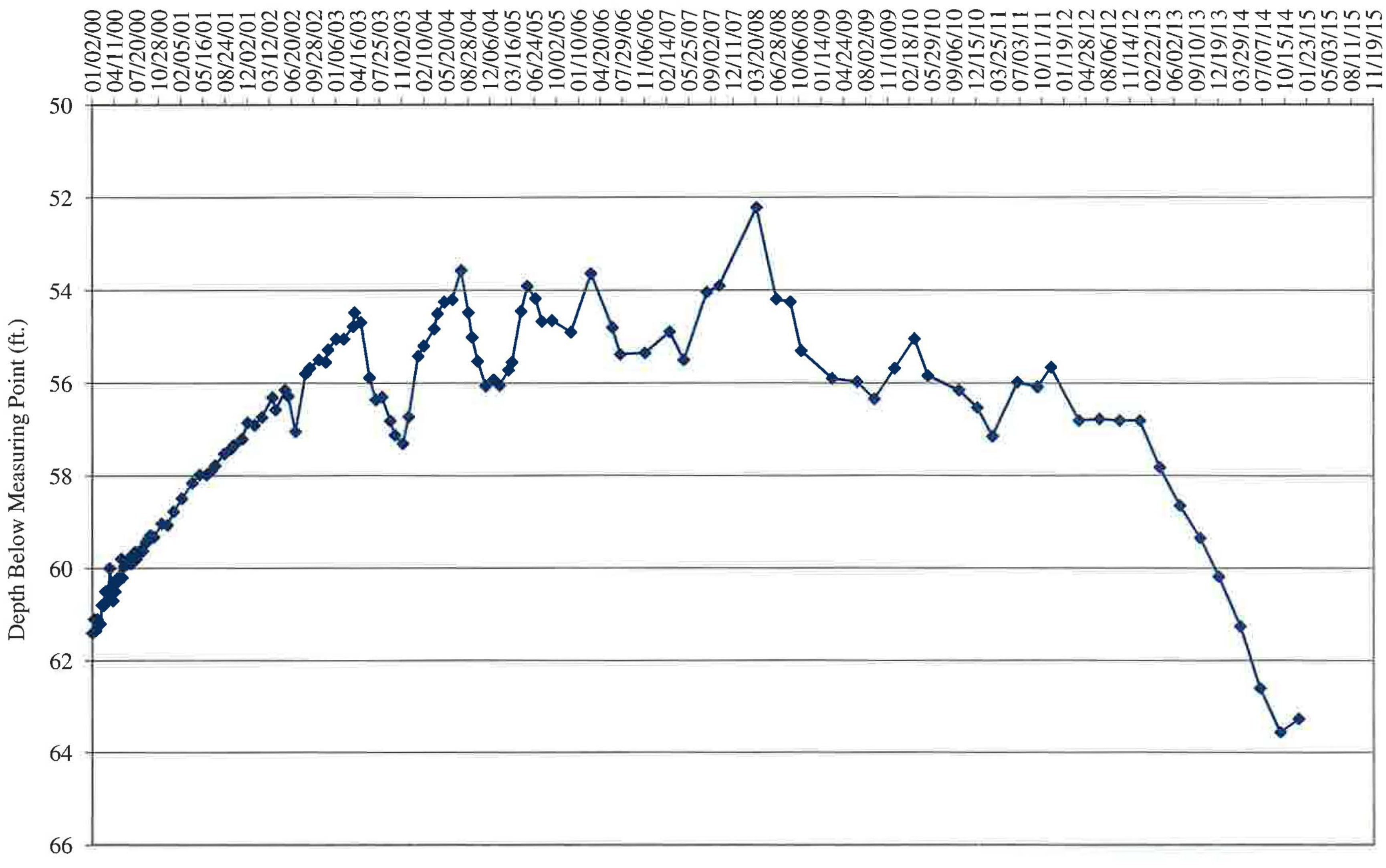
TW4-3 Water Depth Over Time (ft. blmp)



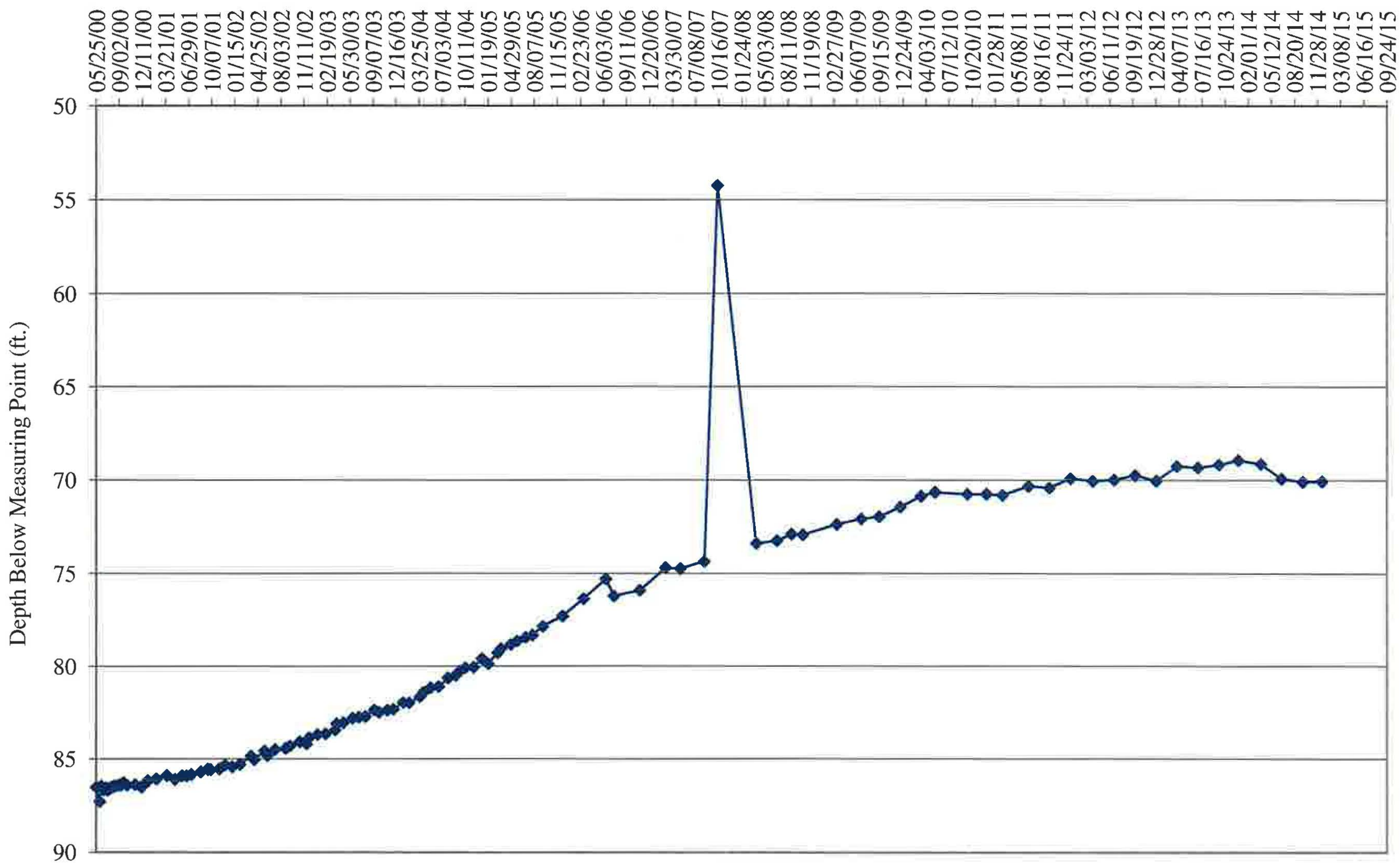
TW4-4 Water Depth Over Time (ft. blmp)



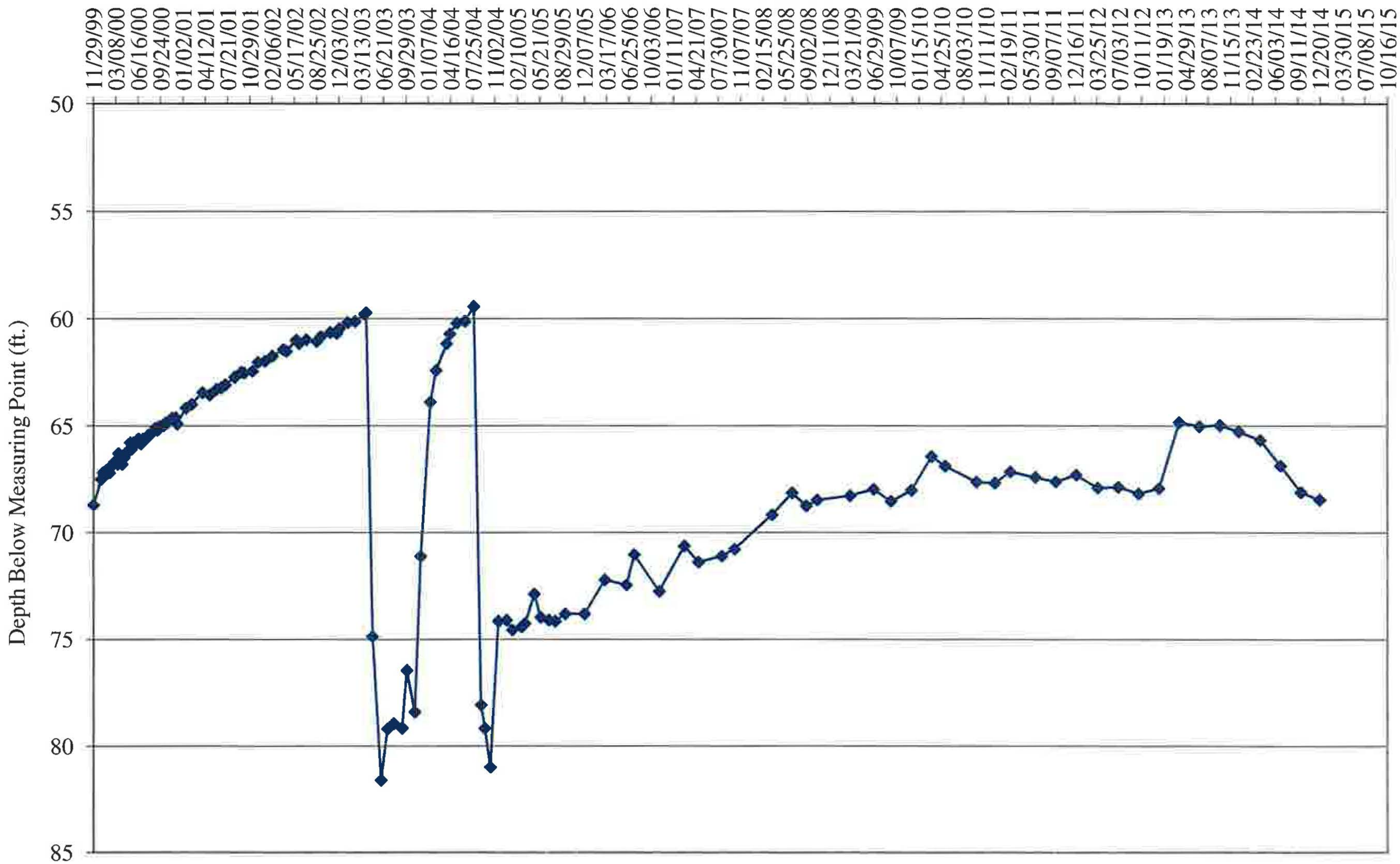
TW4-5 Water Depth Over Time (ft. blmp)



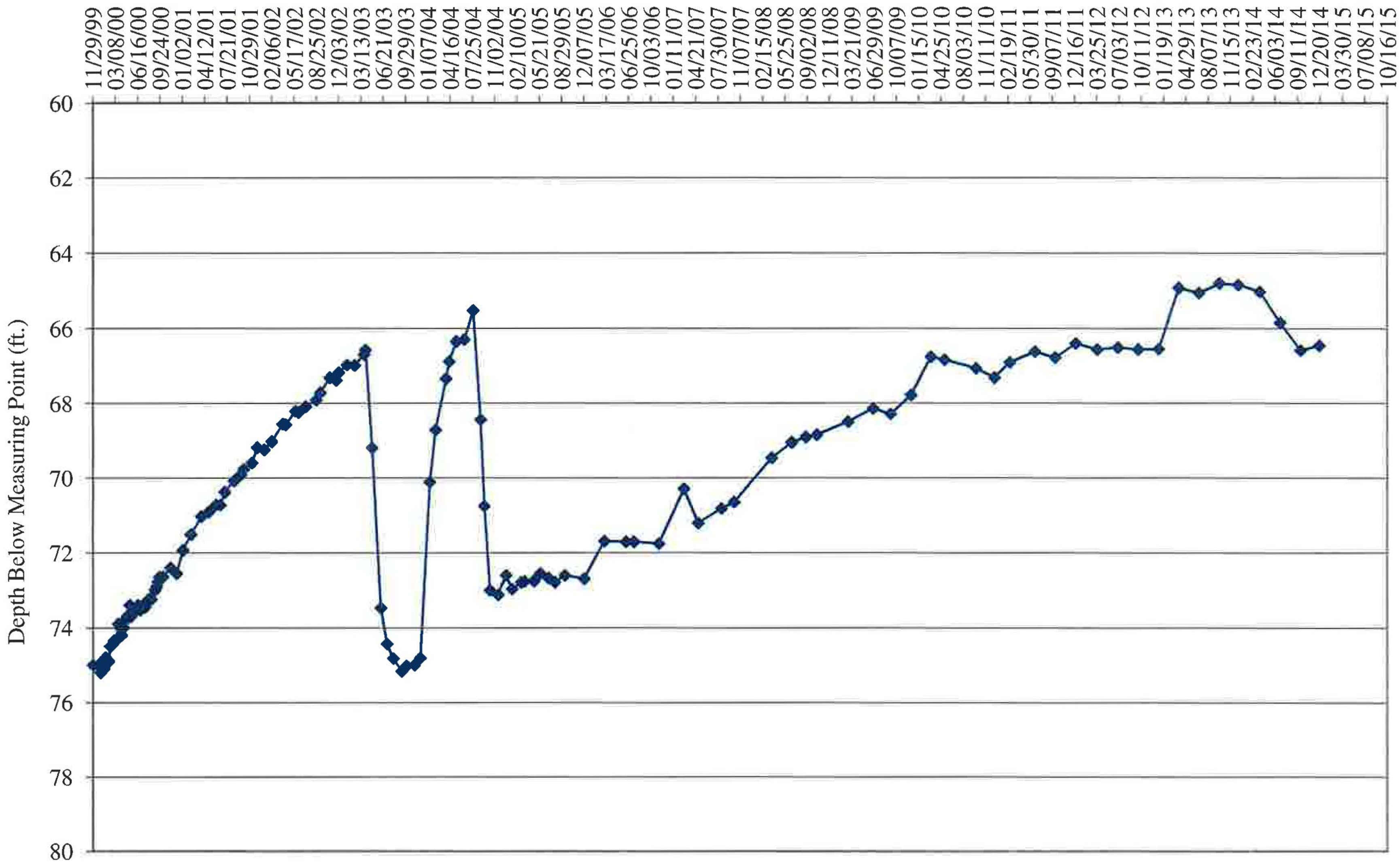
TW4-6 Water Depth Over Time (ft. blmp)



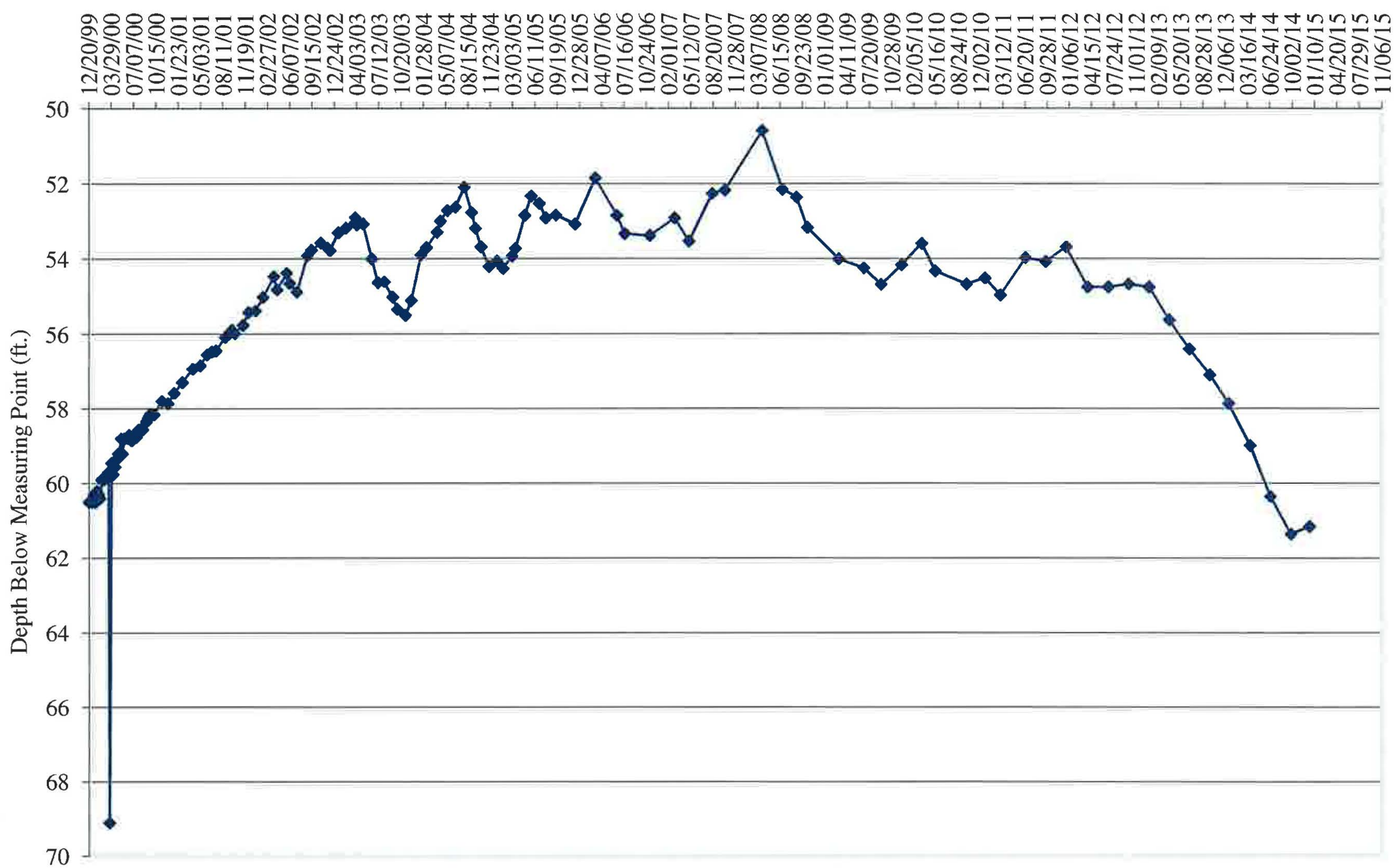
TW4-7 Water Depth Over Time (ft. blmp)

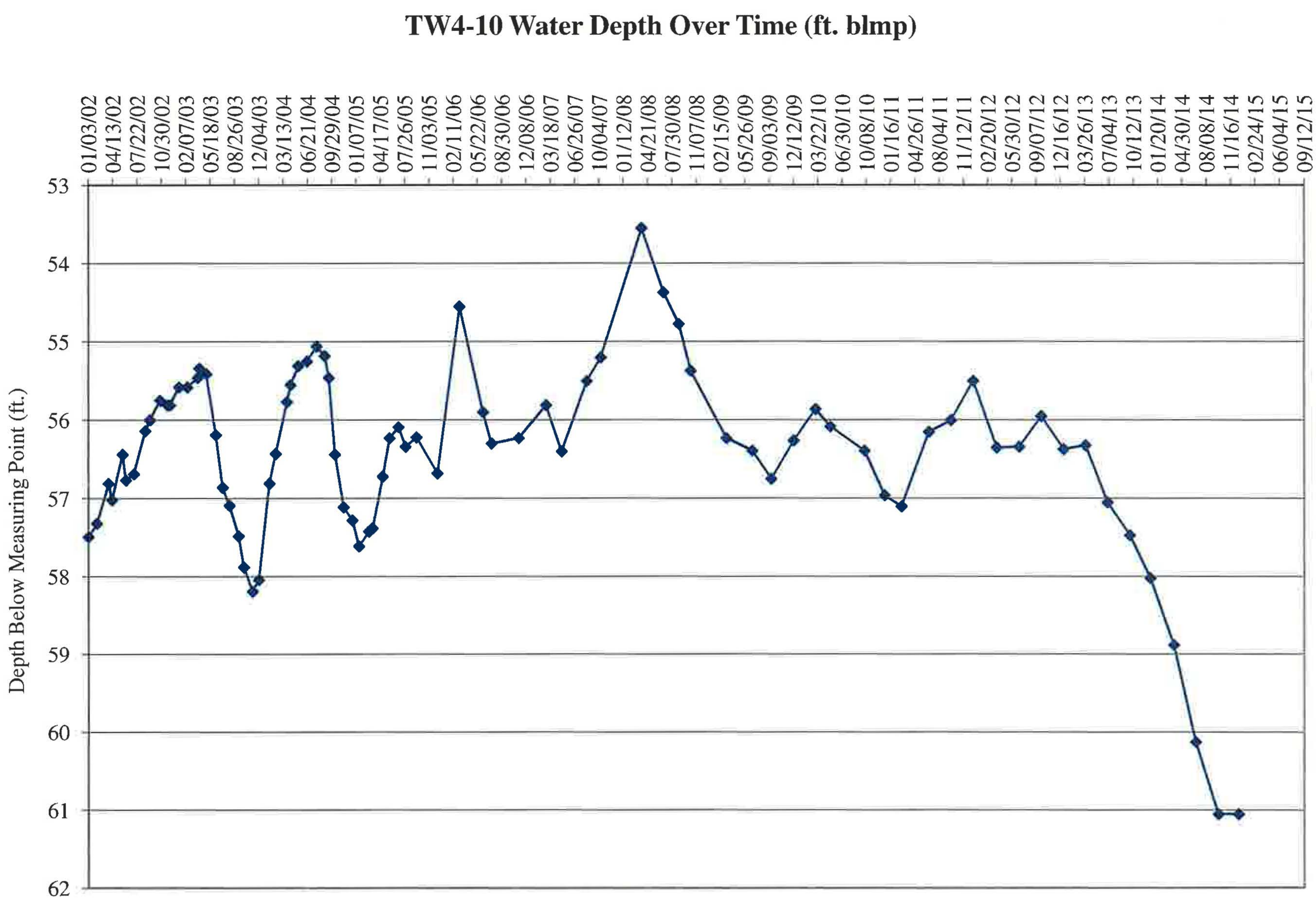


TW4-8 Water Depth Over Time (ft. blmp)

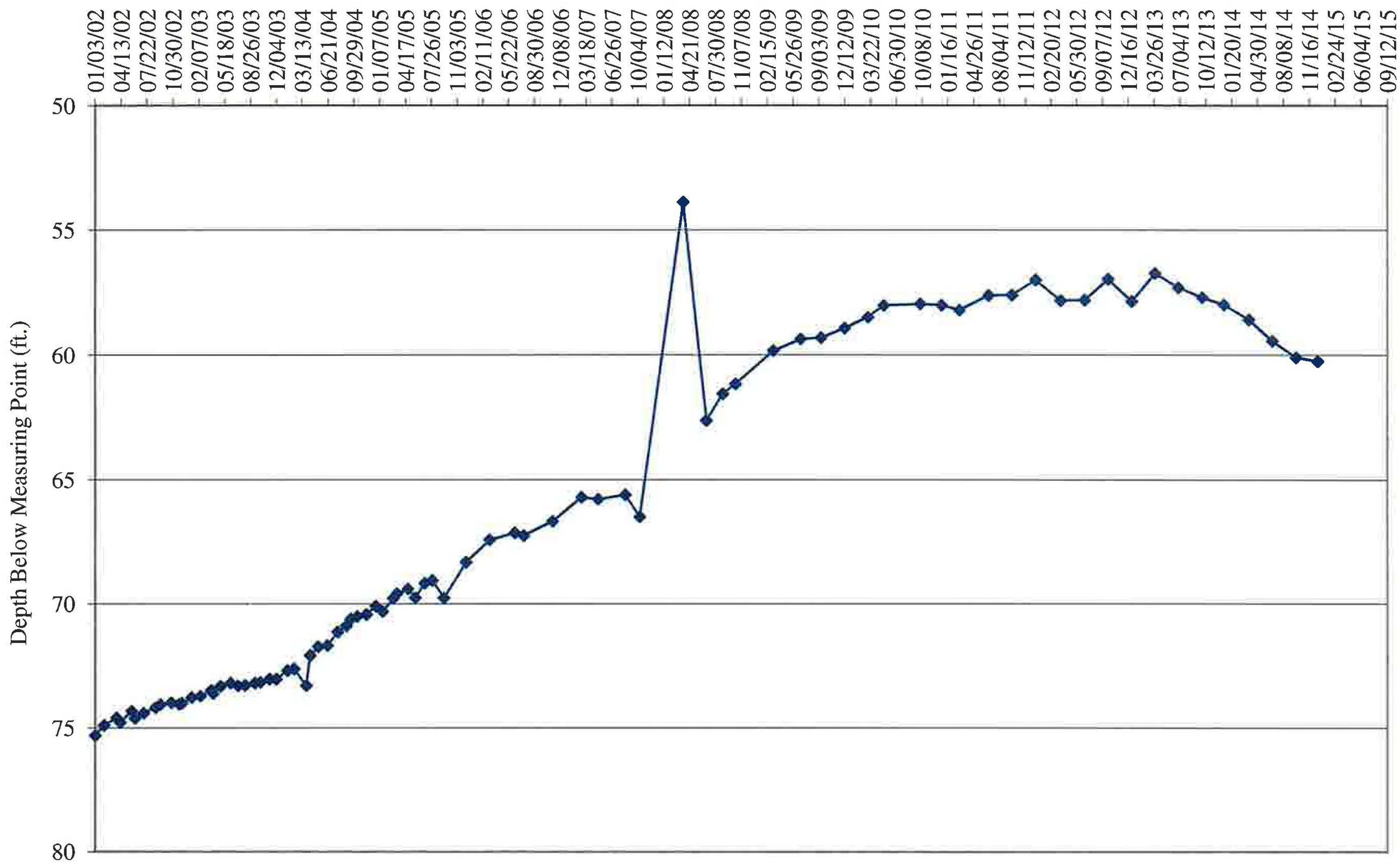


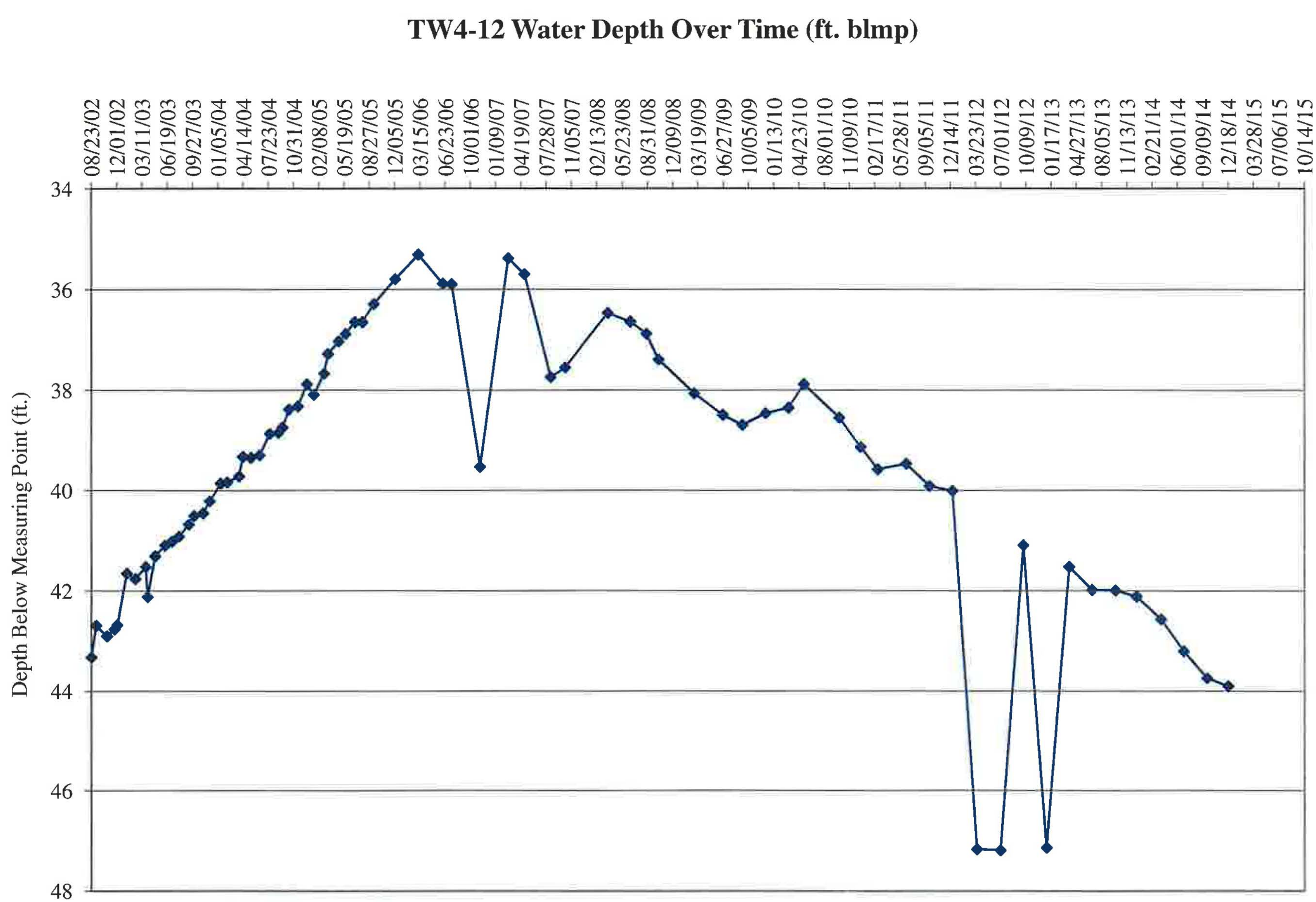
TW4-9 Water Depth Over Time (ft. blmp)



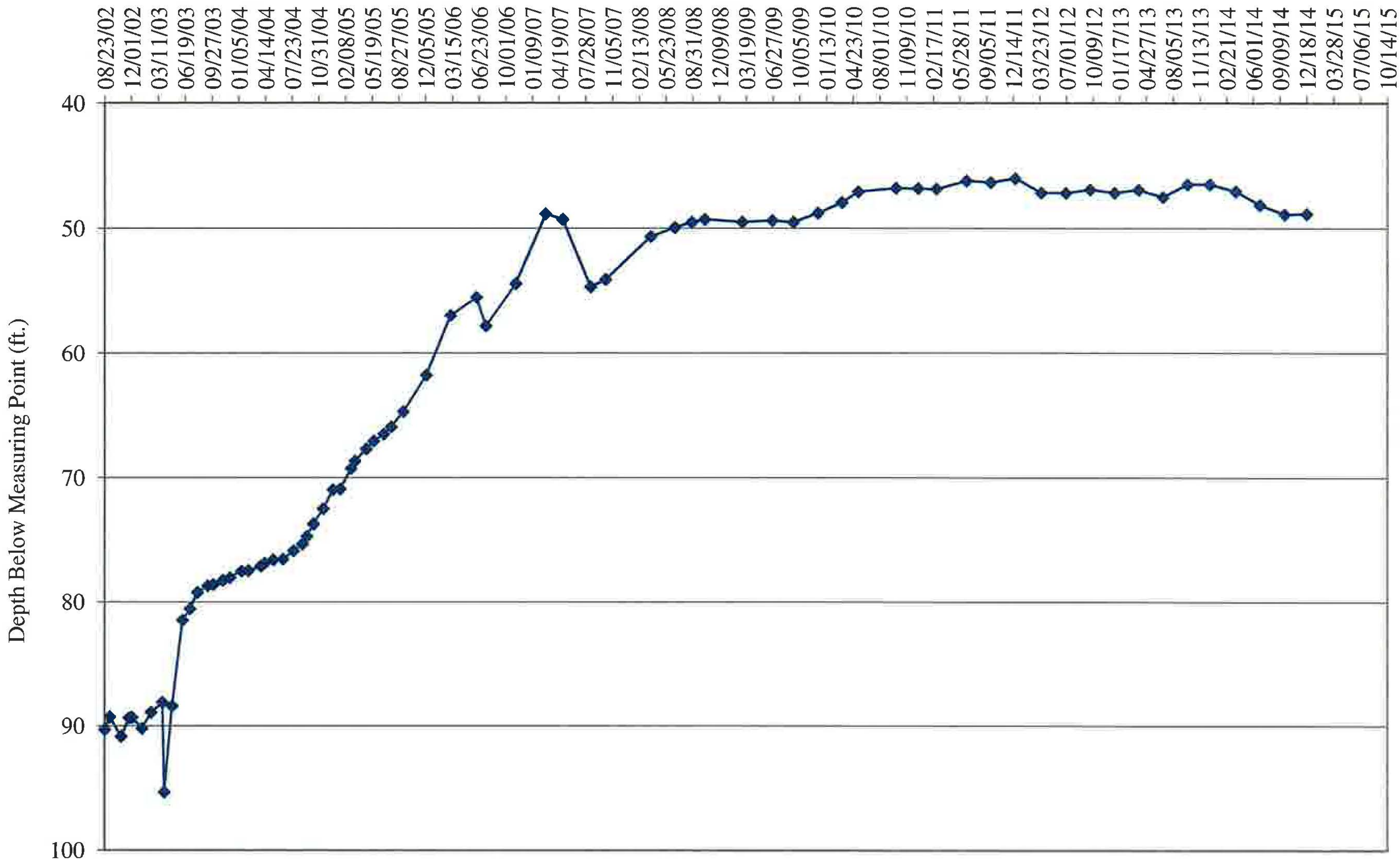

TW4-10 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
53
54
55
56
57
58
59
60
61
62
01/03/02
04/13/02
07/22/02
10/30/02
02/07/03
05/18/03
08/26/03
12/04/03
03/13/04
06/21/04
09/29/04
01/07/05
04/17/05
07/26/05
11/03/05
02/11/06
05/22/06
08/30/06
12/08/06
03/18/07
06/26/07
10/04/07
01/12/08
04/21/08
07/30/08
11/07/08
02/15/09
05/26/09
09/03/09
12/12/09
03/22/10
06/30/10
10/08/10
01/16/11
04/26/11
08/04/11
11/12/11
02/20/12
05/30/12
09/07/12
12/16/12
03/26/13
07/04/13
10/12/13
01/20/14
04/30/14
08/08/14
11/16/14
02/24/15
06/04/15
09/12/15

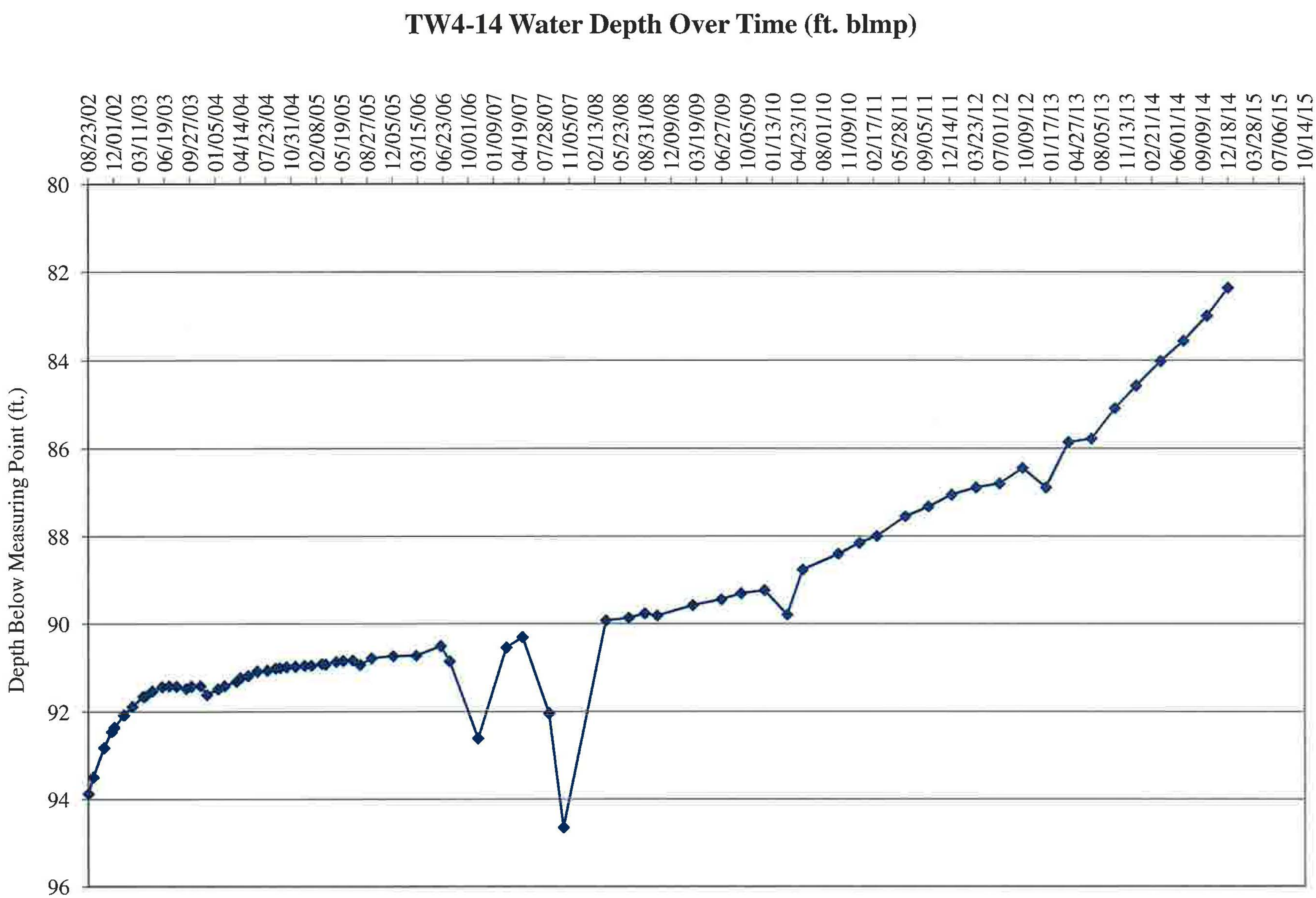
TW4-11 Water Depth Over Time (ft. blmp)



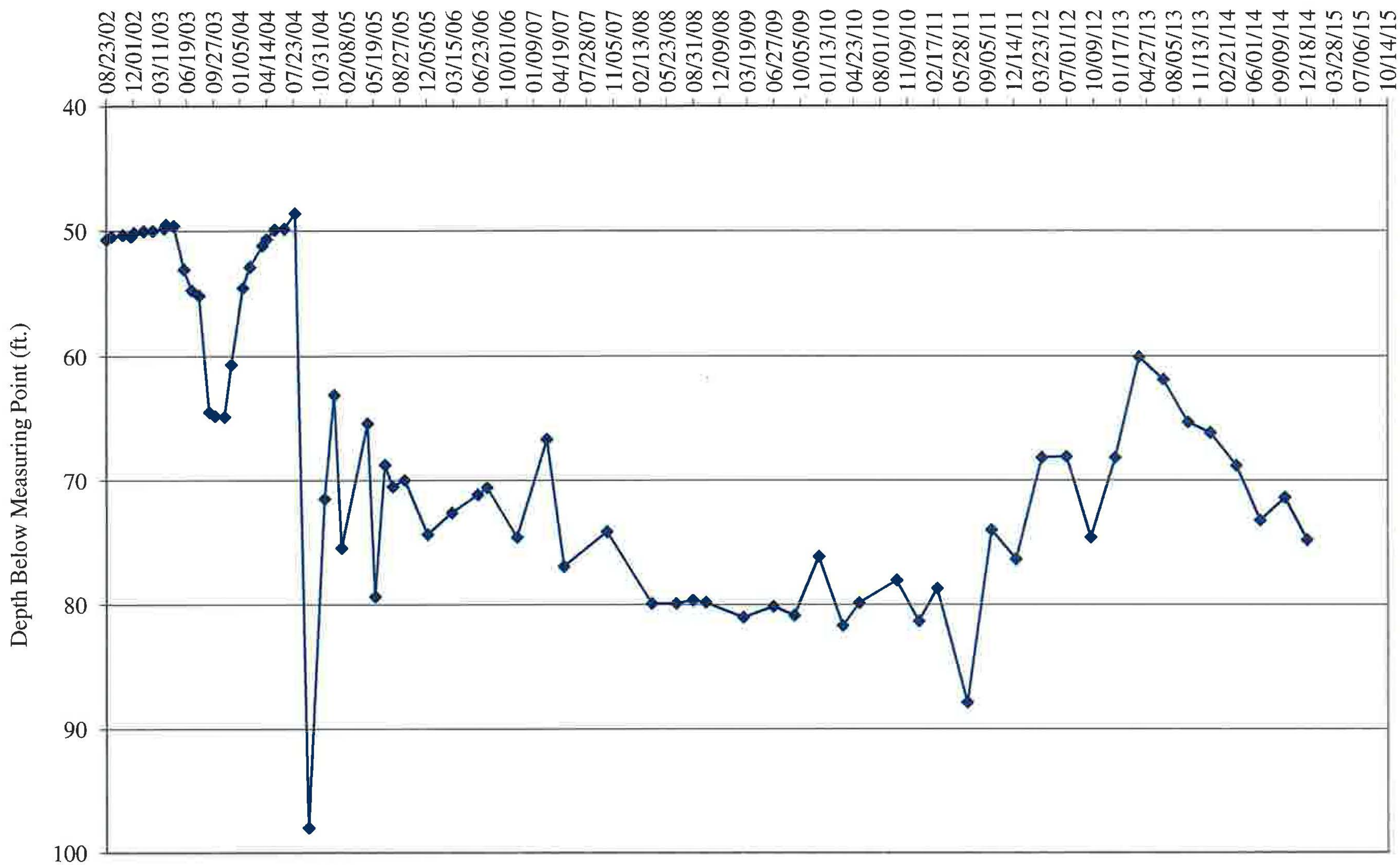

TW4-12 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
34
36
38
40
42
44
46
48
08/23/02
12/01/02
03/11/03
06/19/03
09/27/03
01/05/04
04/14/04
07/23/04
10/31/04
02/08/05
05/19/05
08/27/05
12/05/05
03/15/06
06/23/06
10/01/06
01/09/07
04/19/07
07/28/07
11/05/07
02/13/08
05/23/08
08/31/08
12/09/08
03/19/09
06/27/09
10/05/09
01/13/10
04/23/10
08/01/10
11/09/10
02/17/11
05/28/11
09/05/11
12/14/11
03/23/12
07/01/12
10/09/12
01/17/13
04/27/13
08/05/13
11/13/13
02/21/14
06/01/14
09/09/14
12/18/14
03/28/15
07/06/15
10/14/15

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



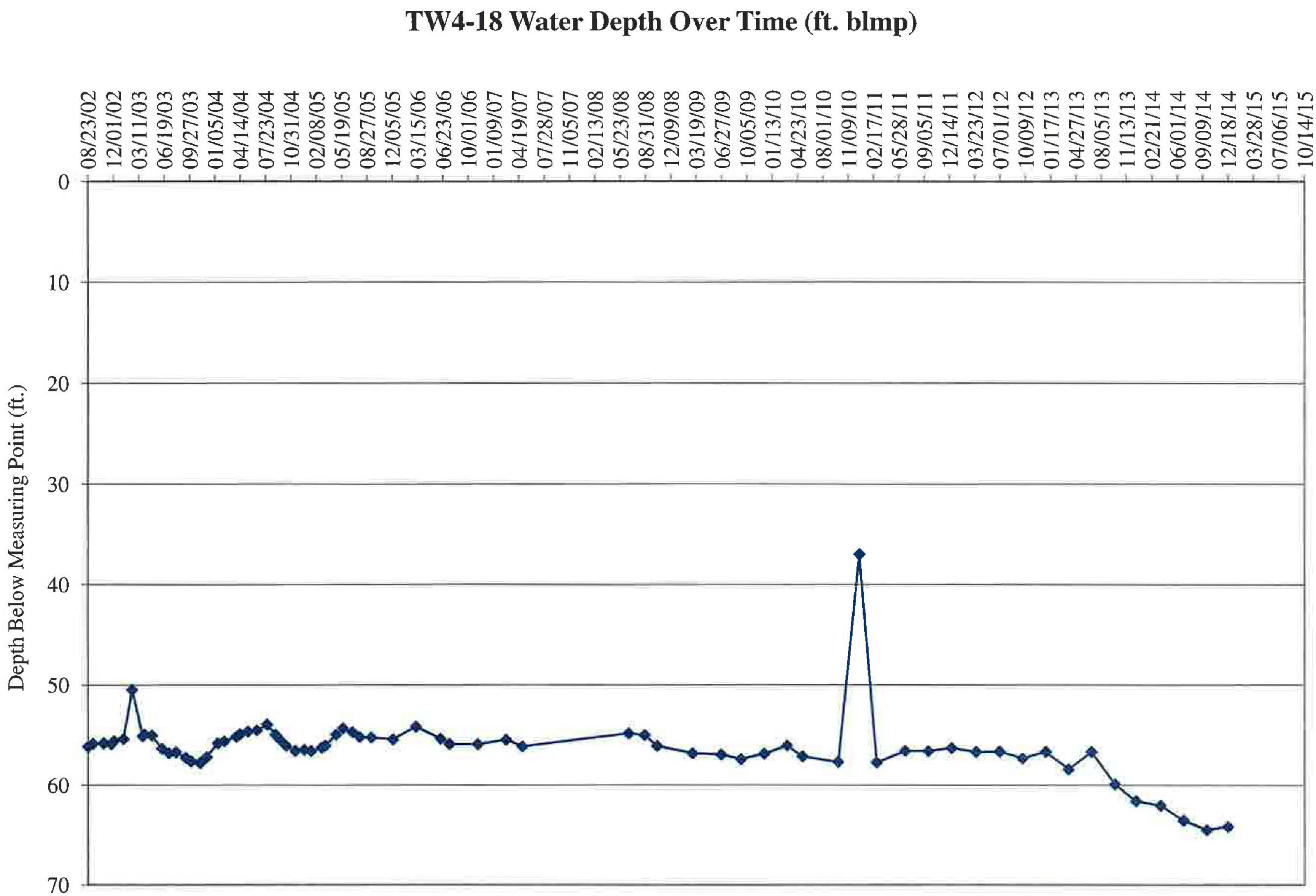

TW4-14 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
80
82
84
86
88
90
92
94
96
08/23/02
12/01/02
03/11/03
06/19/03
09/27/03
01/05/04
04/14/04
07/23/04
10/31/04
02/08/05
05/19/05
08/27/05
12/05/05
03/15/06
06/23/06
10/01/06
01/09/07
04/19/07
07/28/07
11/05/07
02/13/08
05/23/08
08/31/08
12/09/08
03/19/09
06/27/09
10/05/09
01/13/10
04/23/10
08/01/10
11/09/10
02/17/11
05/28/11
09/05/11
12/14/11
03/23/12
07/01/12
10/09/12
01/17/13
04/27/13
08/05/13
11/13/13
02/21/14
06/01/14
09/09/14
12/18/14
03/28/15
07/06/15
10/14/15

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

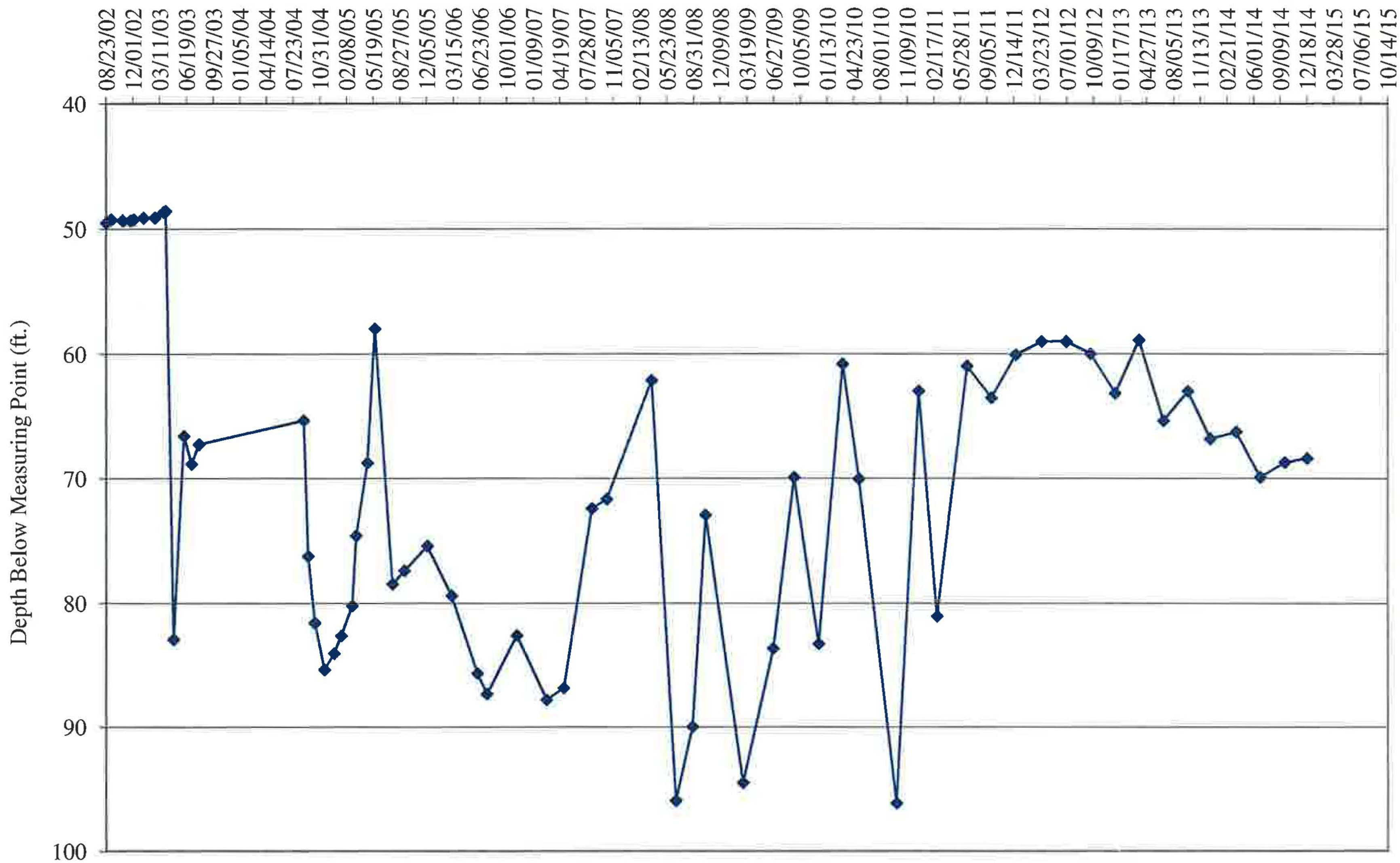


TW4-16 Water Depth Over Time (ft. blmp)

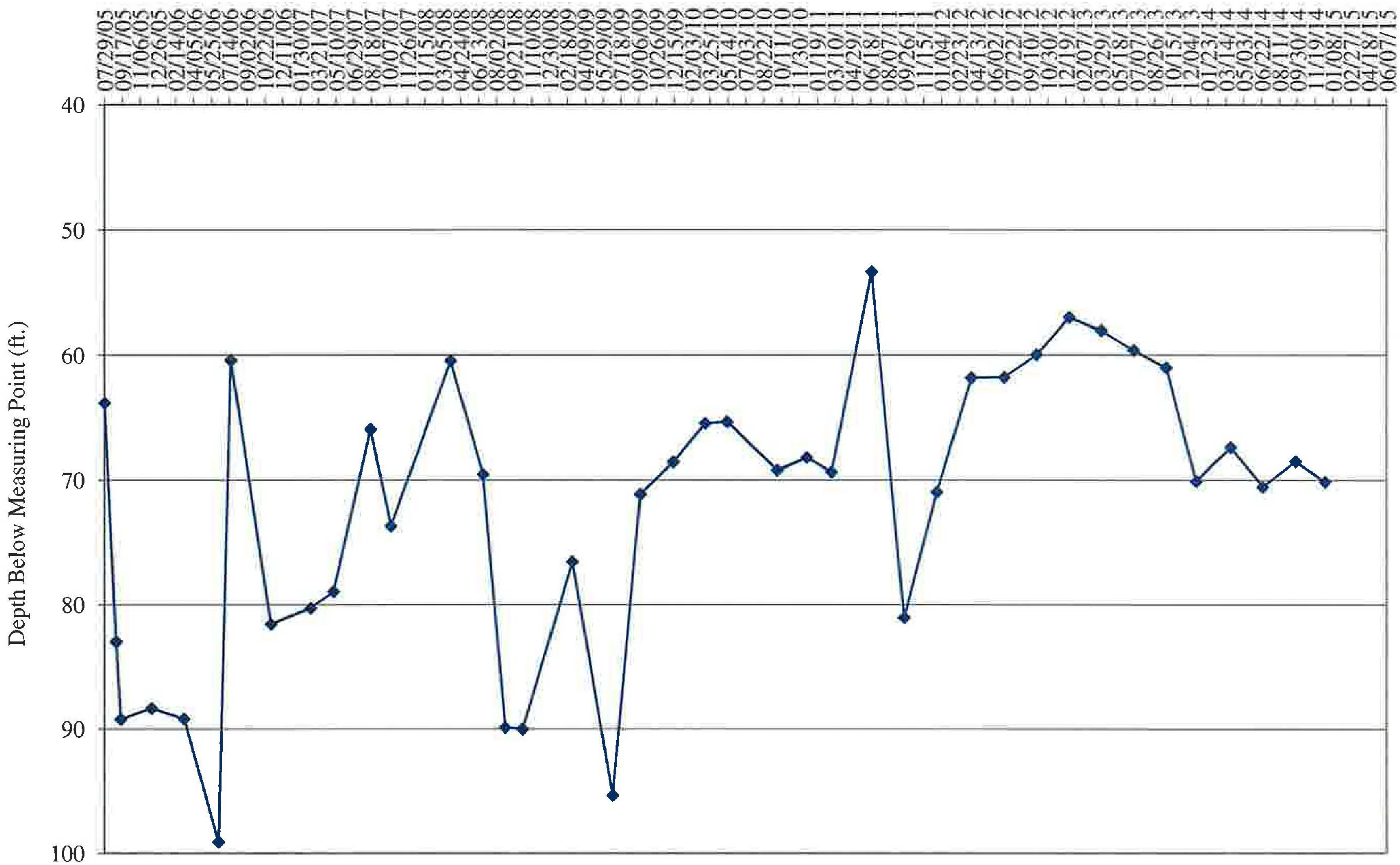
MW-32 Water Depth Over Time (ft. blmp)


TW4-18 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
0
10
20
30
40
50
60
70
08/23/02
12/01/02
03/11/03
06/19/03
09/27/03
01/05/04
04/14/04
07/23/04
10/31/04
02/08/05
05/19/05
08/27/05
12/05/05
03/15/06
06/23/06
10/01/06
01/09/07
04/19/07
07/28/07
11/05/07
02/13/08
05/23/08
08/31/08
12/09/08
03/19/09
06/27/09
10/05/09
01/13/10
04/23/10
08/01/10
11/09/10
02/17/11
05/28/11
09/05/11
12/14/11
03/23/12
07/01/12
10/09/12
01/17/13
04/27/13
08/05/13
11/13/13
02/21/14
06/01/14
09/09/14
12/18/14
03/28/15
07/06/15
10/14/15

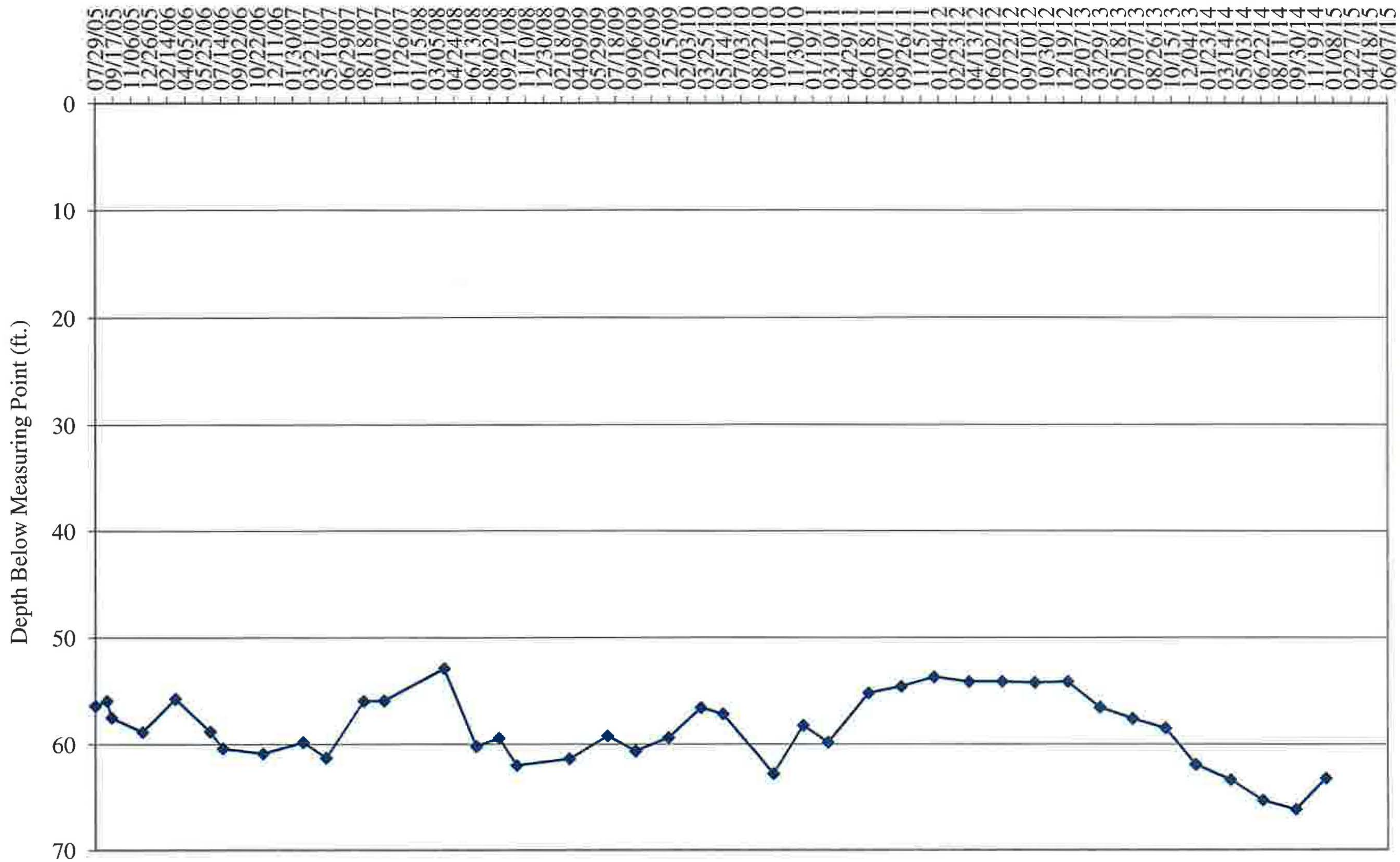
TW4-19 Water Depth Over Time (ft. blmp)



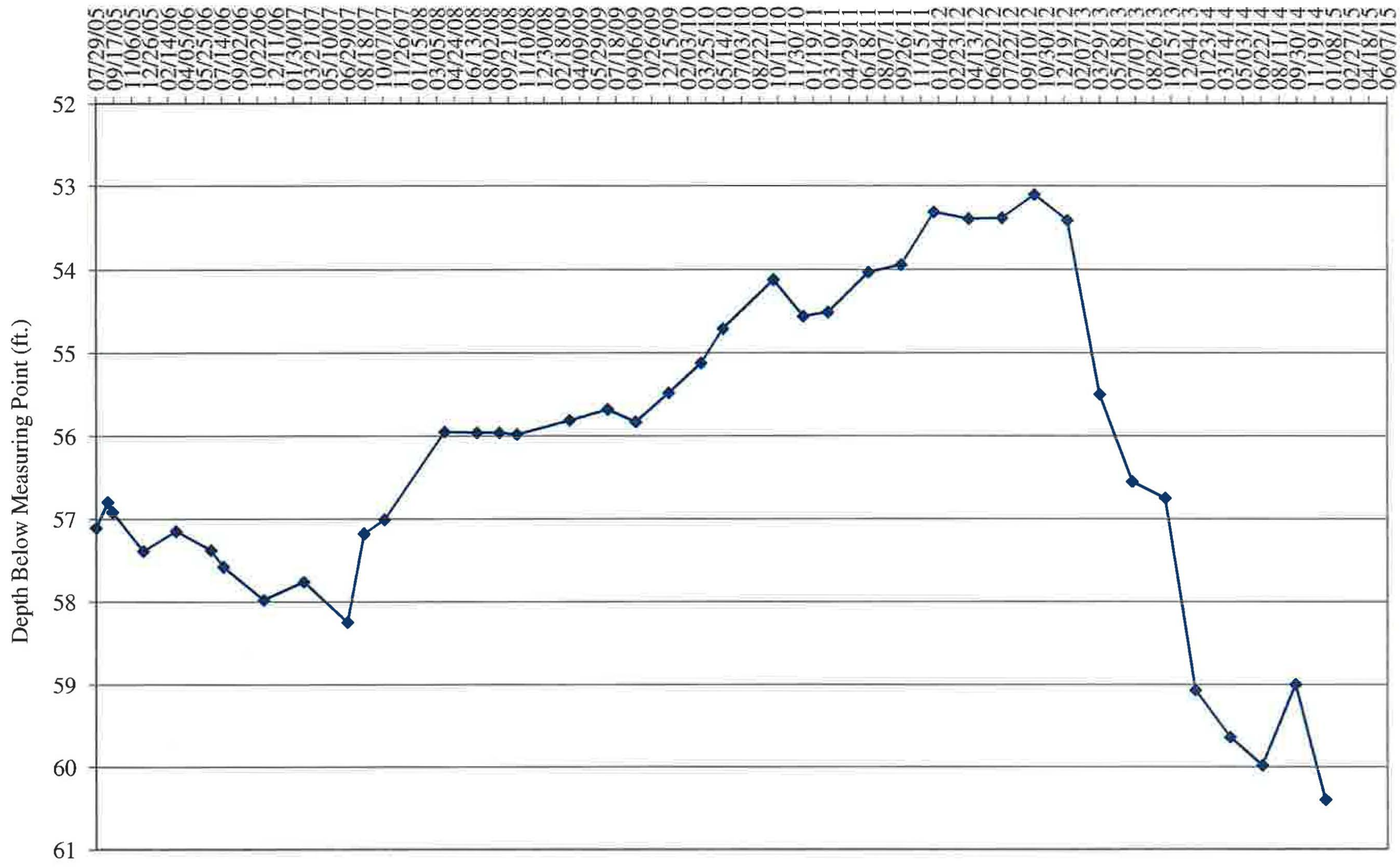
TW4-20 Water Depth Over Time (ft. blmp)



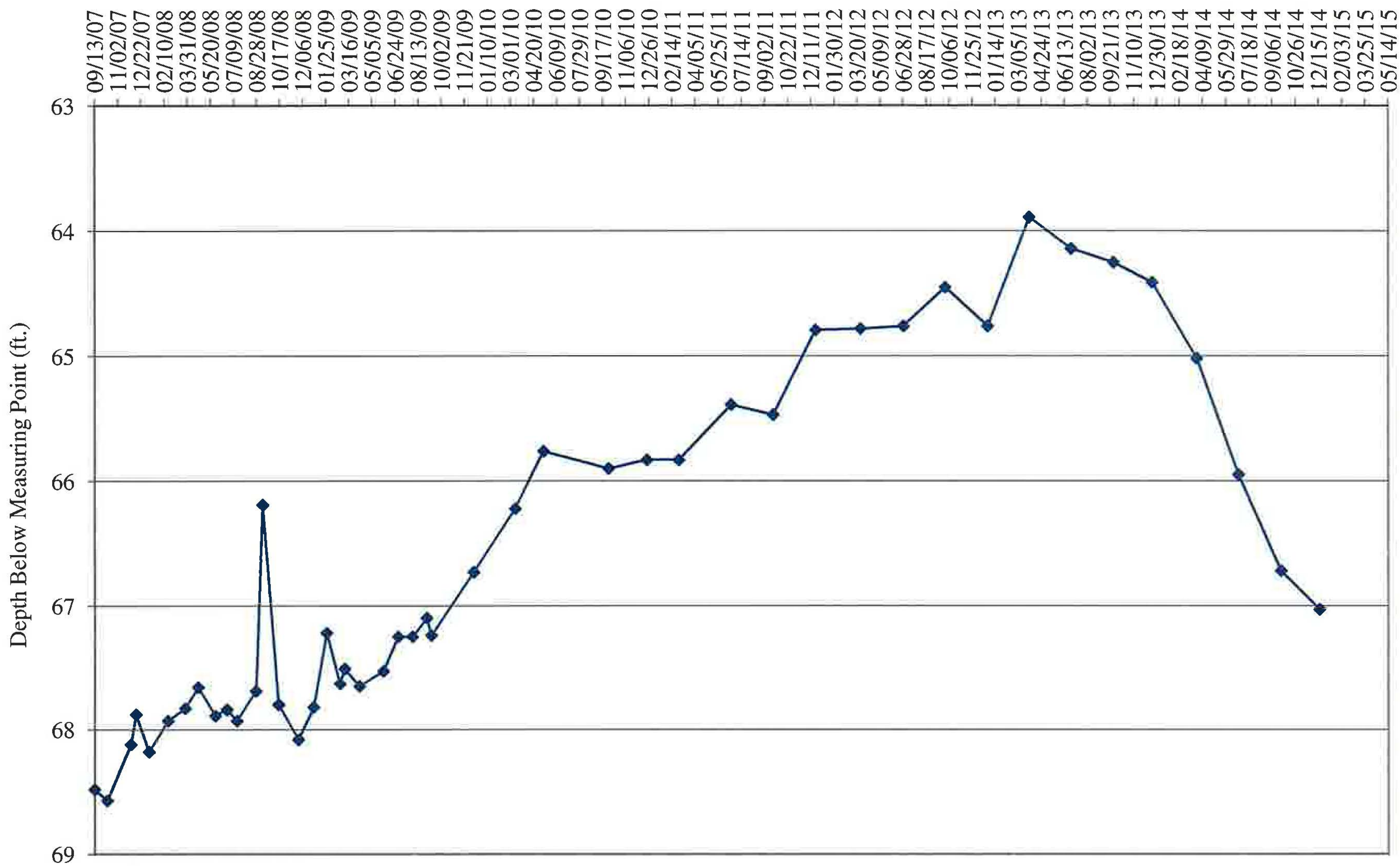
TW4-21 Water Depth Over Time (ft. blmp)



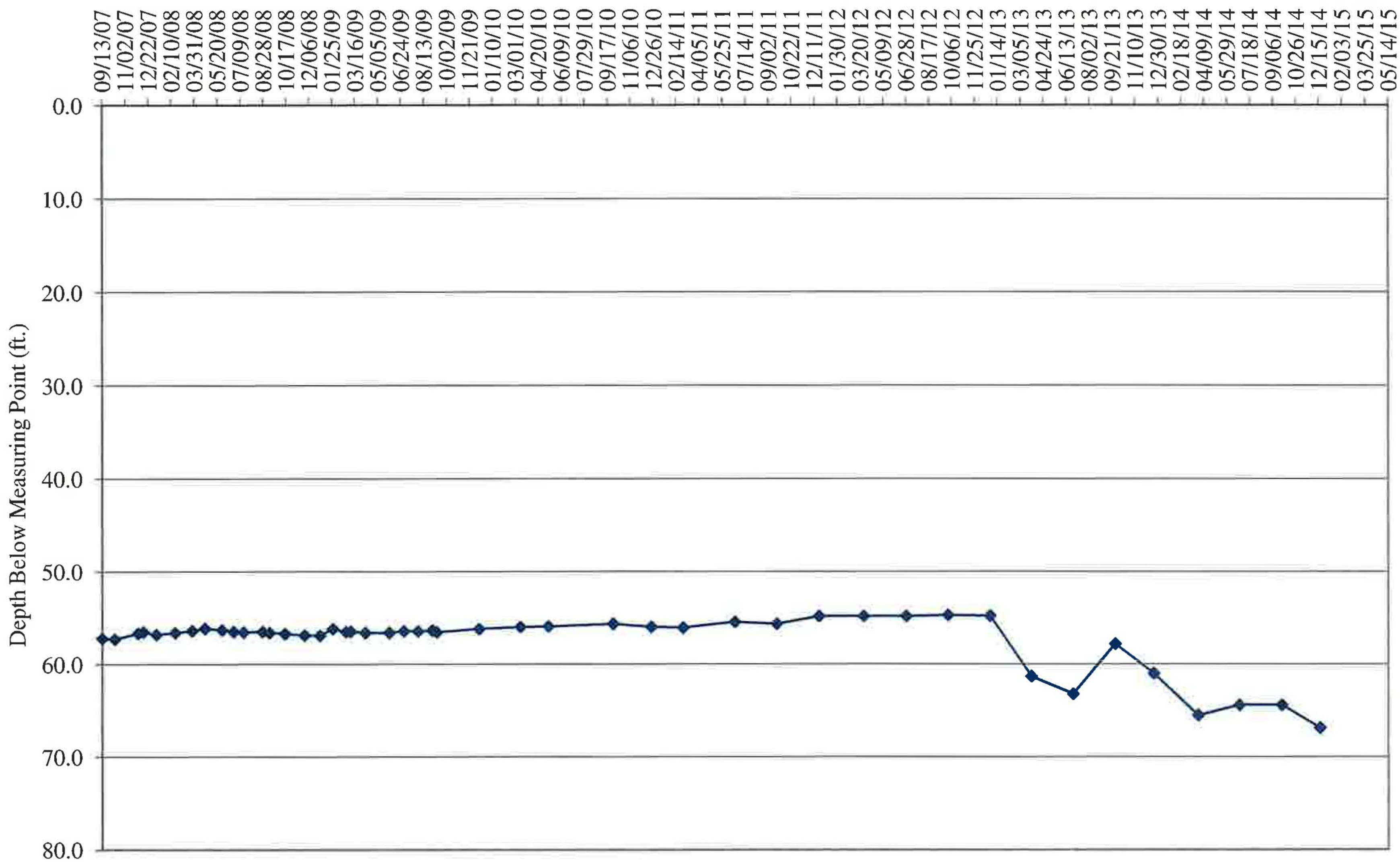
TW4-22 Water Depth Over Time (ft. blmp)



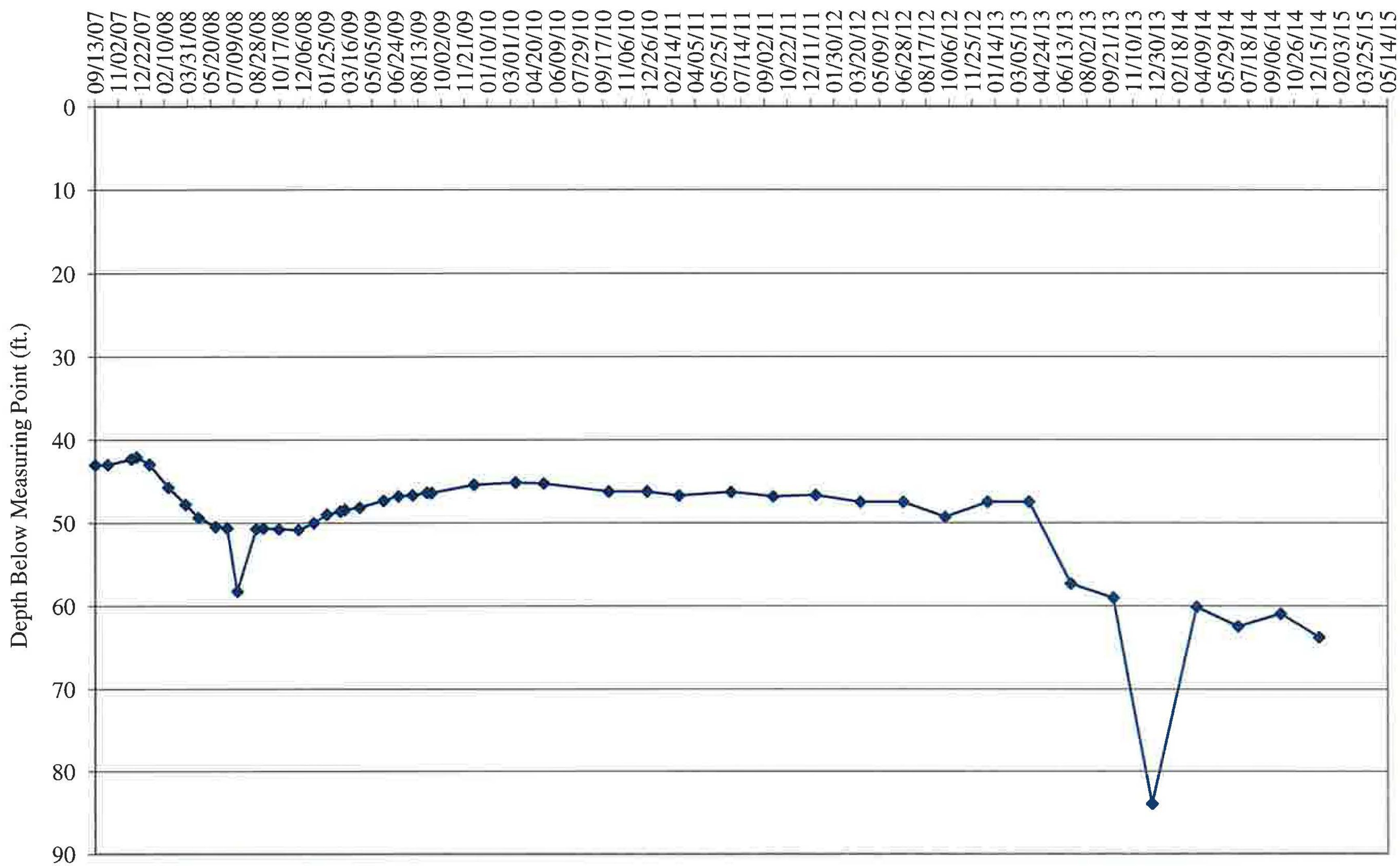
TW4-23 Water Depth Over Time (ft. blmp)

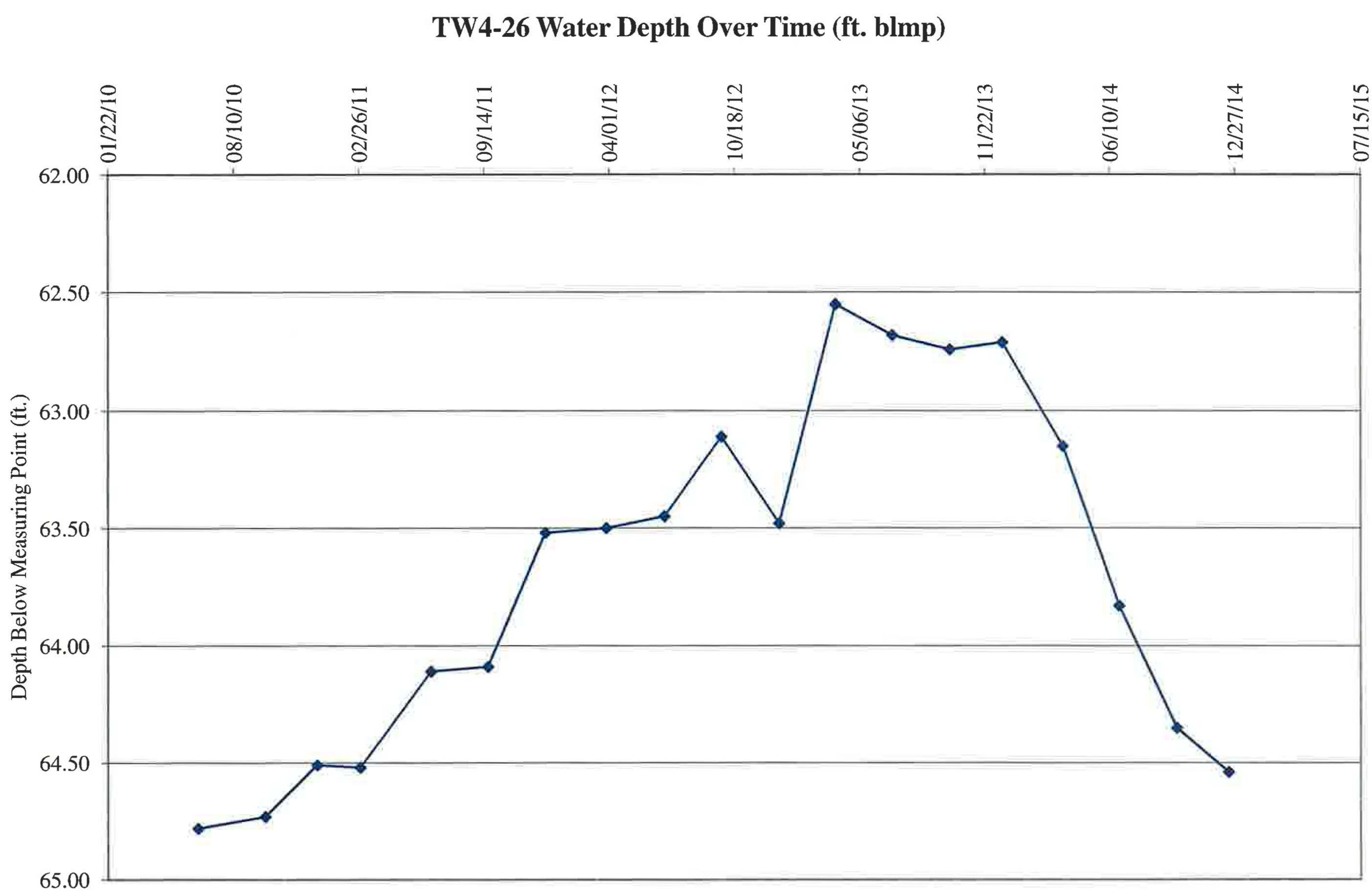


TW4-24 Water Depth Over Time (ft. blmp)

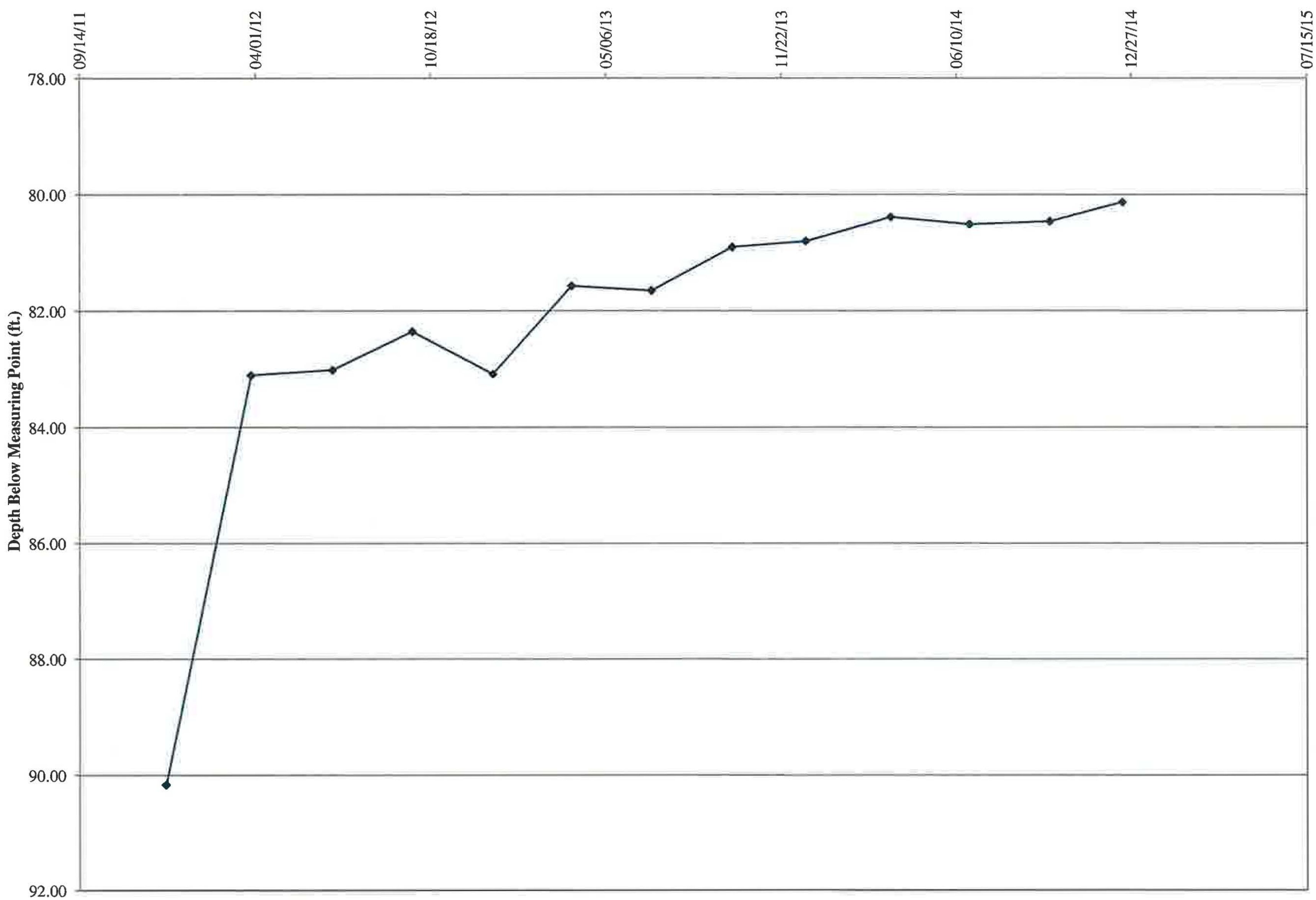


TW4-25 Water Depth Over Time (ft. blmp)

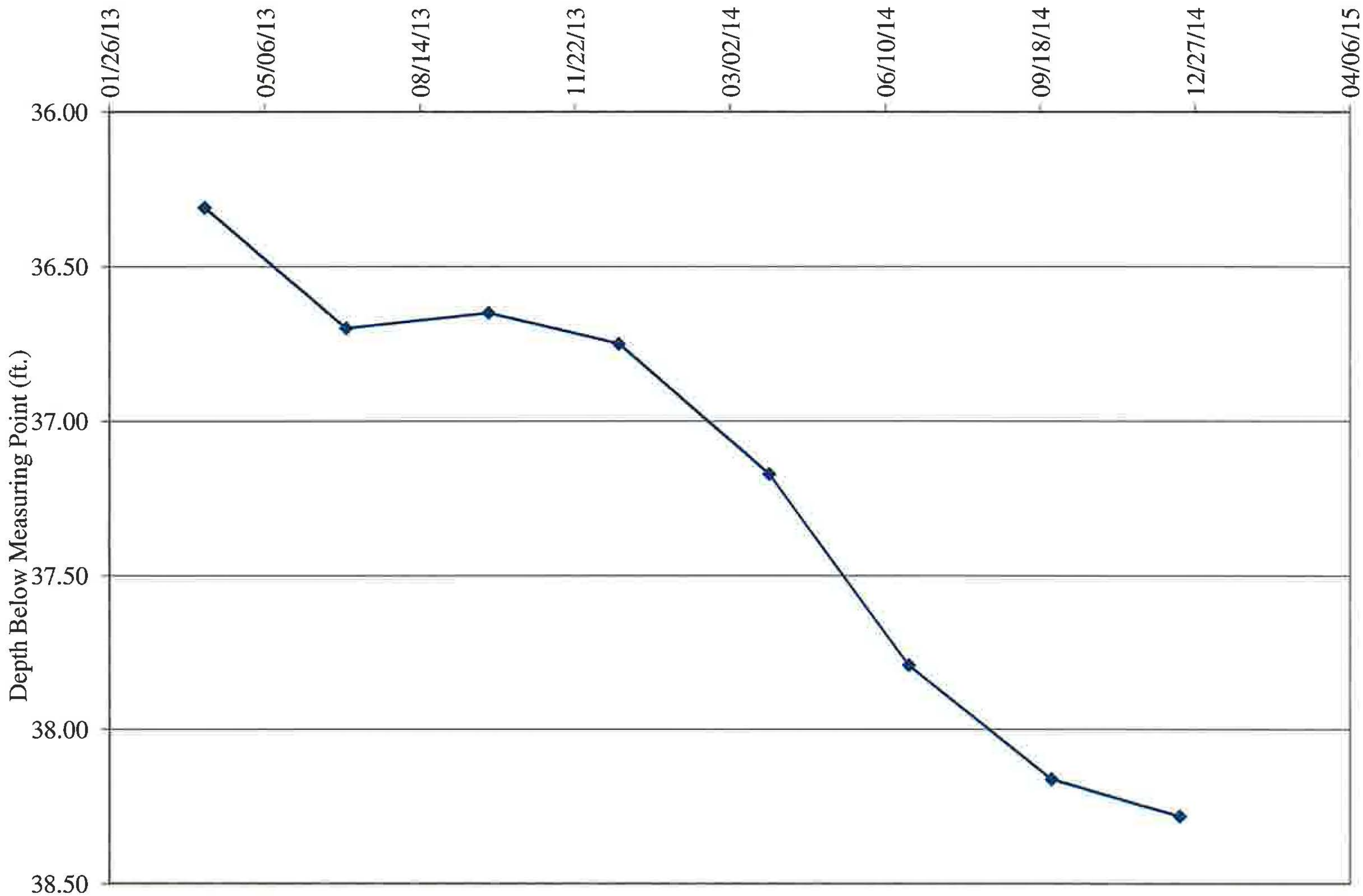


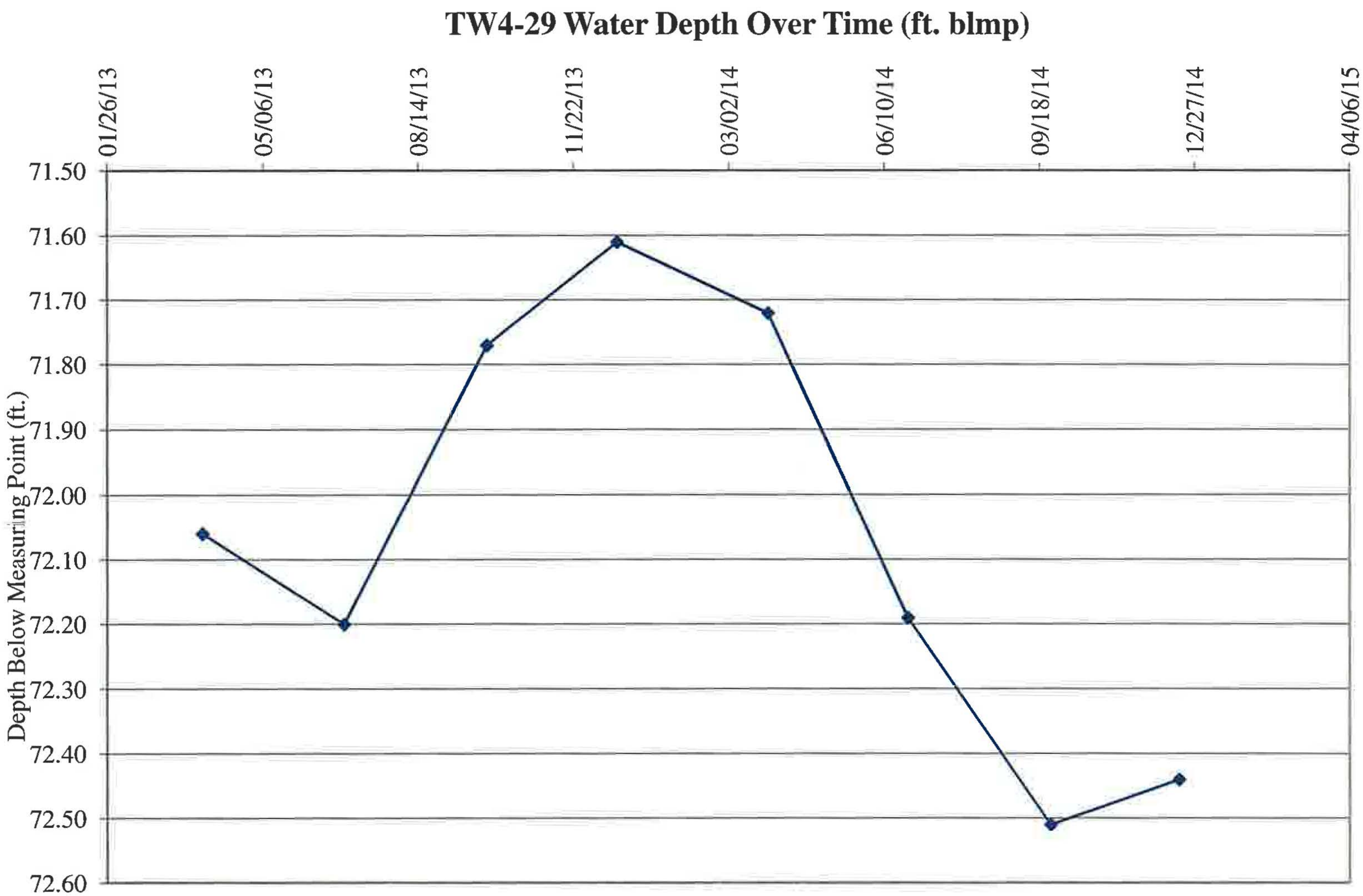

TW4-26 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
62.00
62.50
63.00
63.50
64.00
64.50
65.00
01/22/10
08/10/10
02/26/11
09/14/11
04/01/12
10/18/12
05/06/13
11/22/13
06/10/14
12/27/14
07/15/15

TW4-27 Water Depth Over Time (ft. blmp)

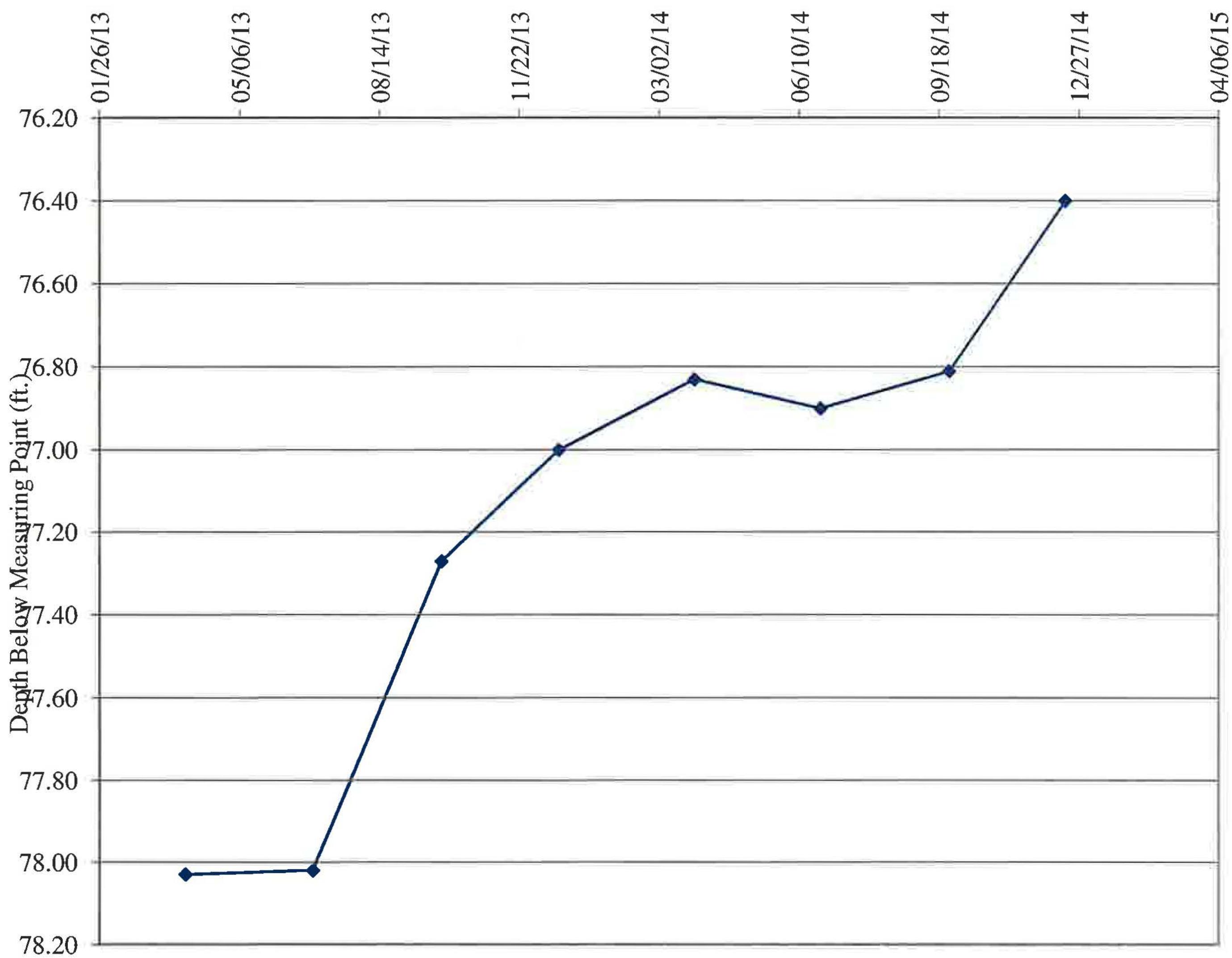


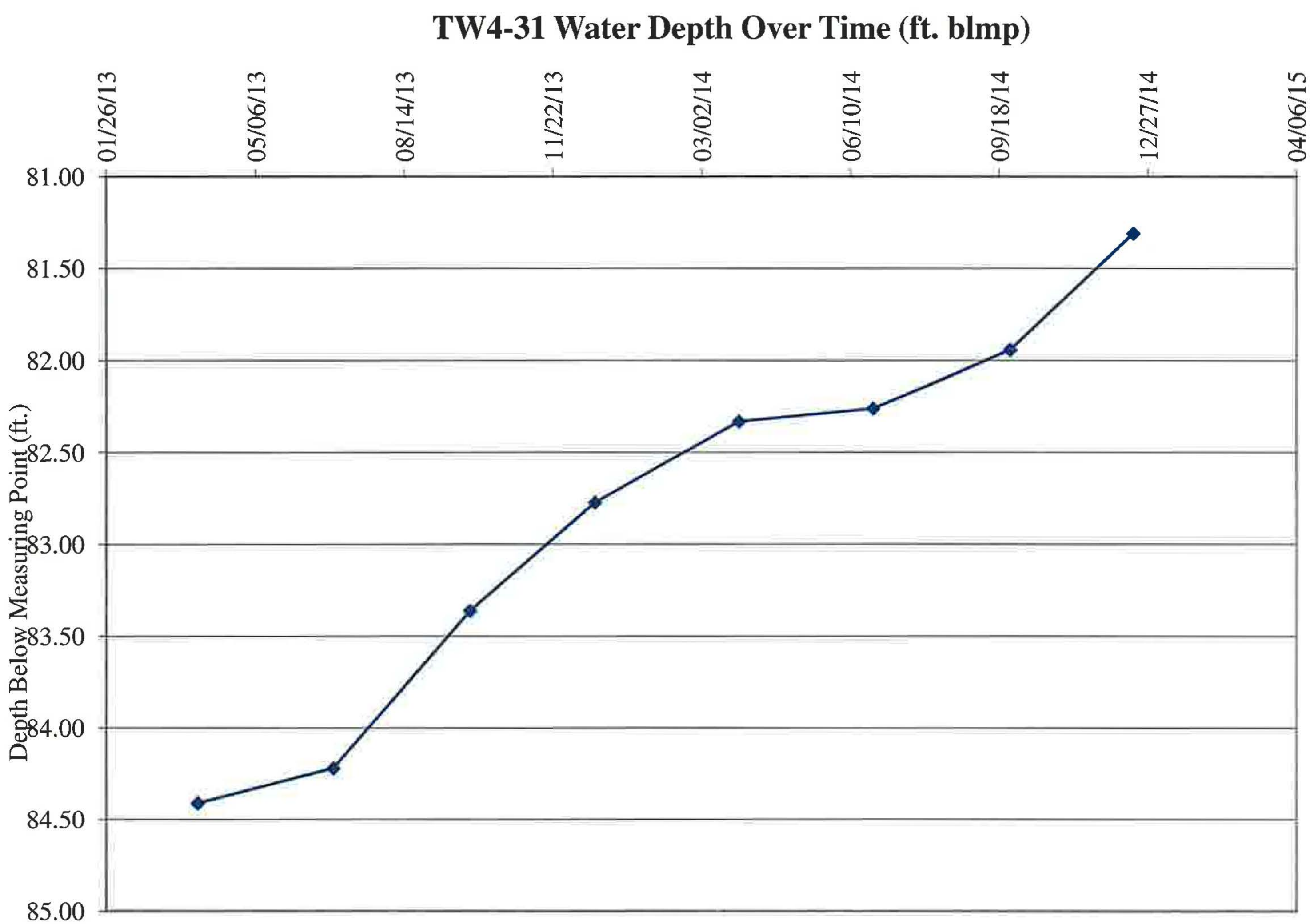
TW4-28 Water Depth Over Time (ft. blmp)




TW4-29 Water Depth Over Time (ft. blmp)
01/26/13
05/06/13
08/14/13
11/22/13
03/02/14
06/10/14
09/18/14
12/27/14
04/06/15
71.50
71.60
71.70
71.80
71.90
72.00
72.10
72.20
72.30
72.40
72.50
72.60
Depth Below Measuring Point (ft.)

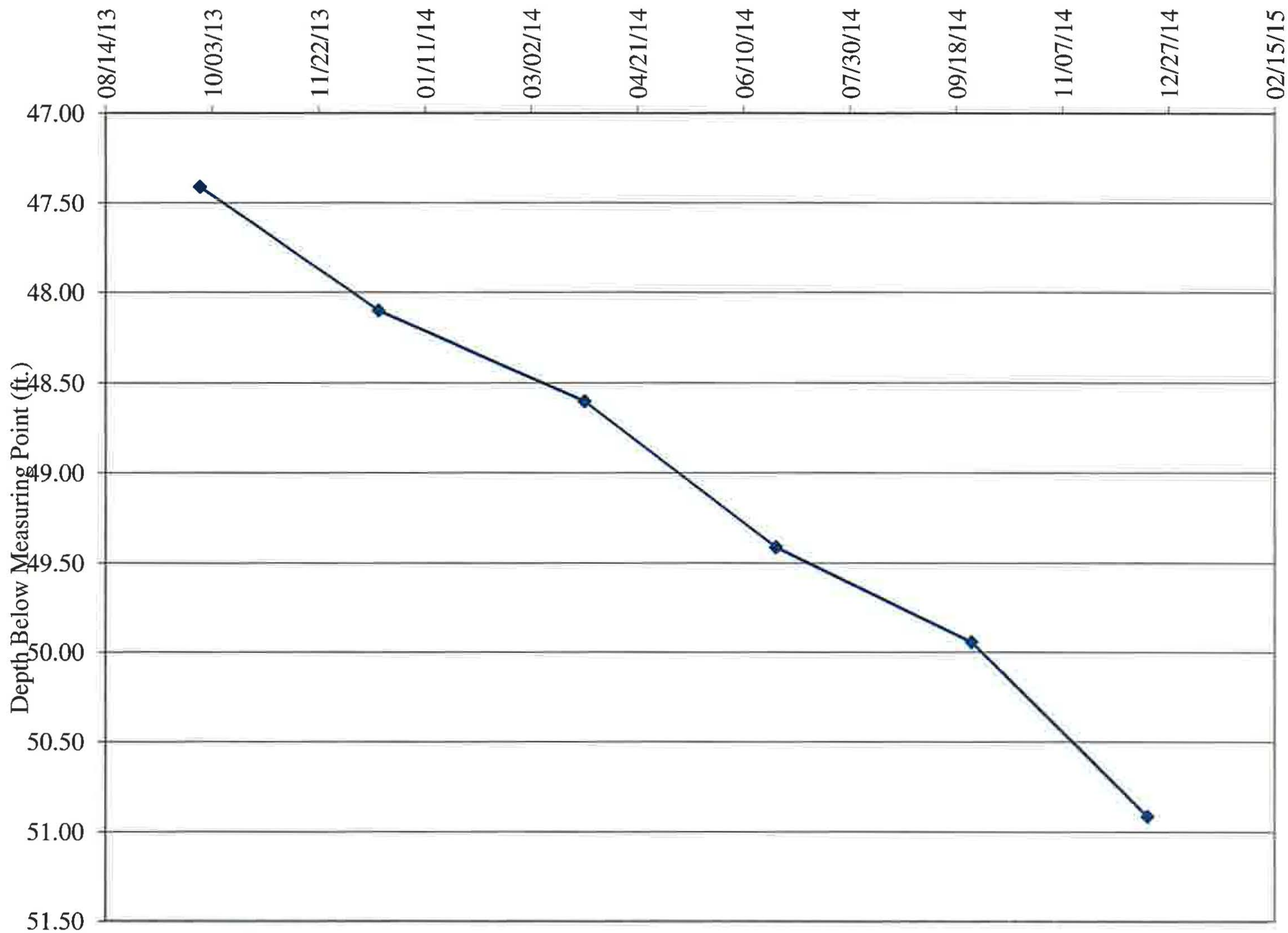
TW4-30 Water Depth Over Time (ft. blmp)



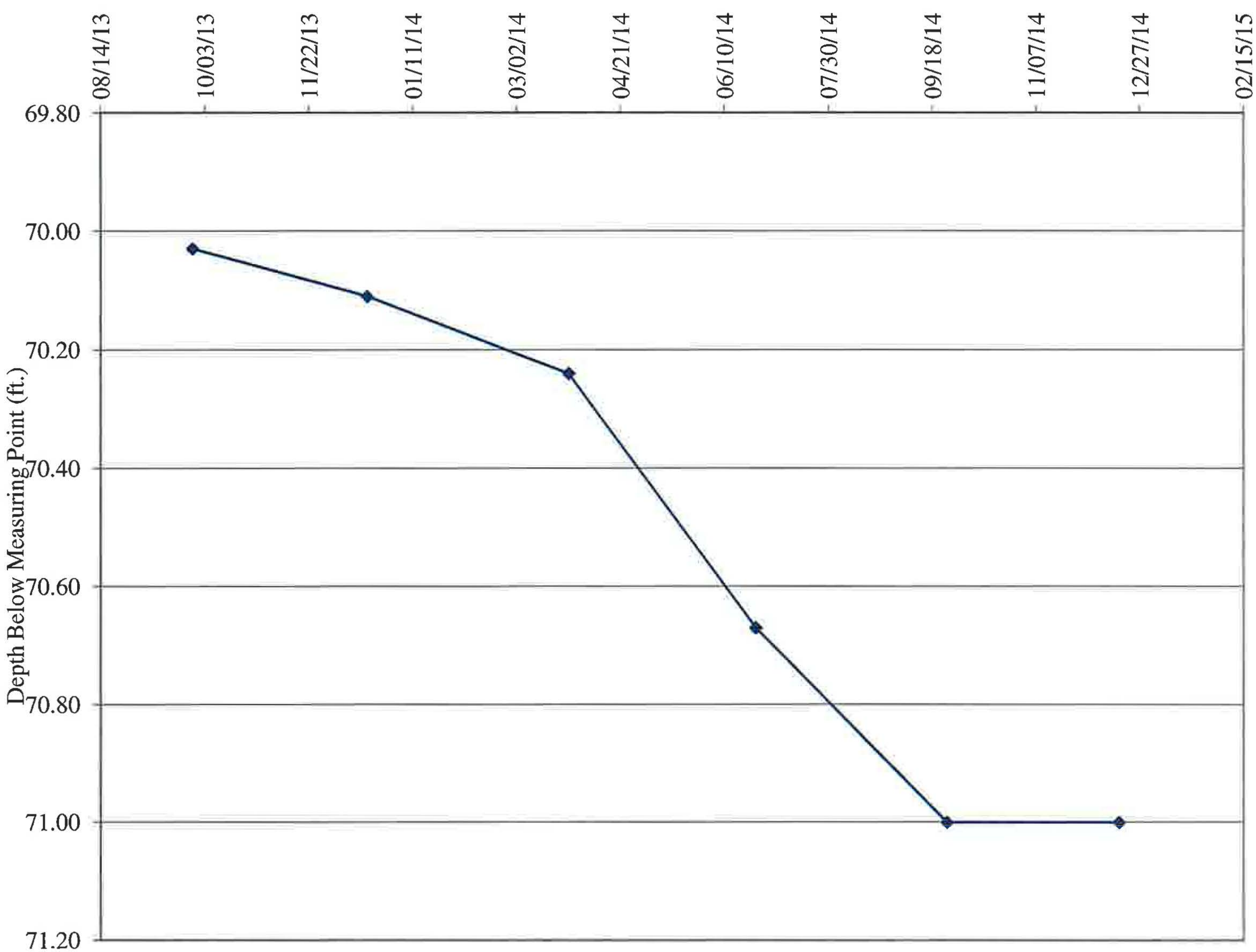


TW4-31 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
81.00
81.50
82.00
82.50
83.00
83.50
84.00
84.50
85.00
01/26/13
05/06/13
08/14/13
11/22/13
03/02/14
06/10/14
09/18/14
12/27/14
04/06/15

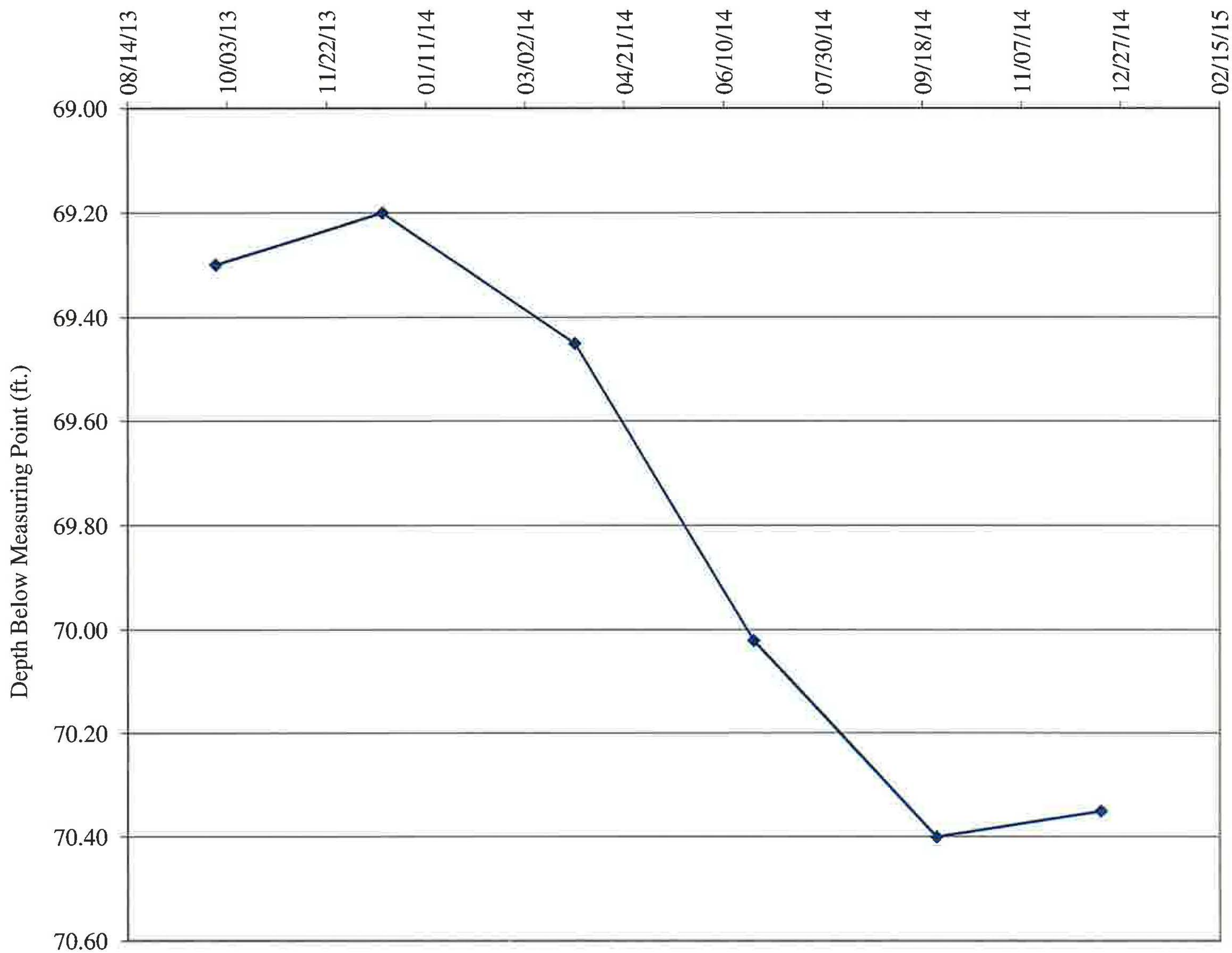
TW4-32 Water Depth Over Time (ft. blmp)



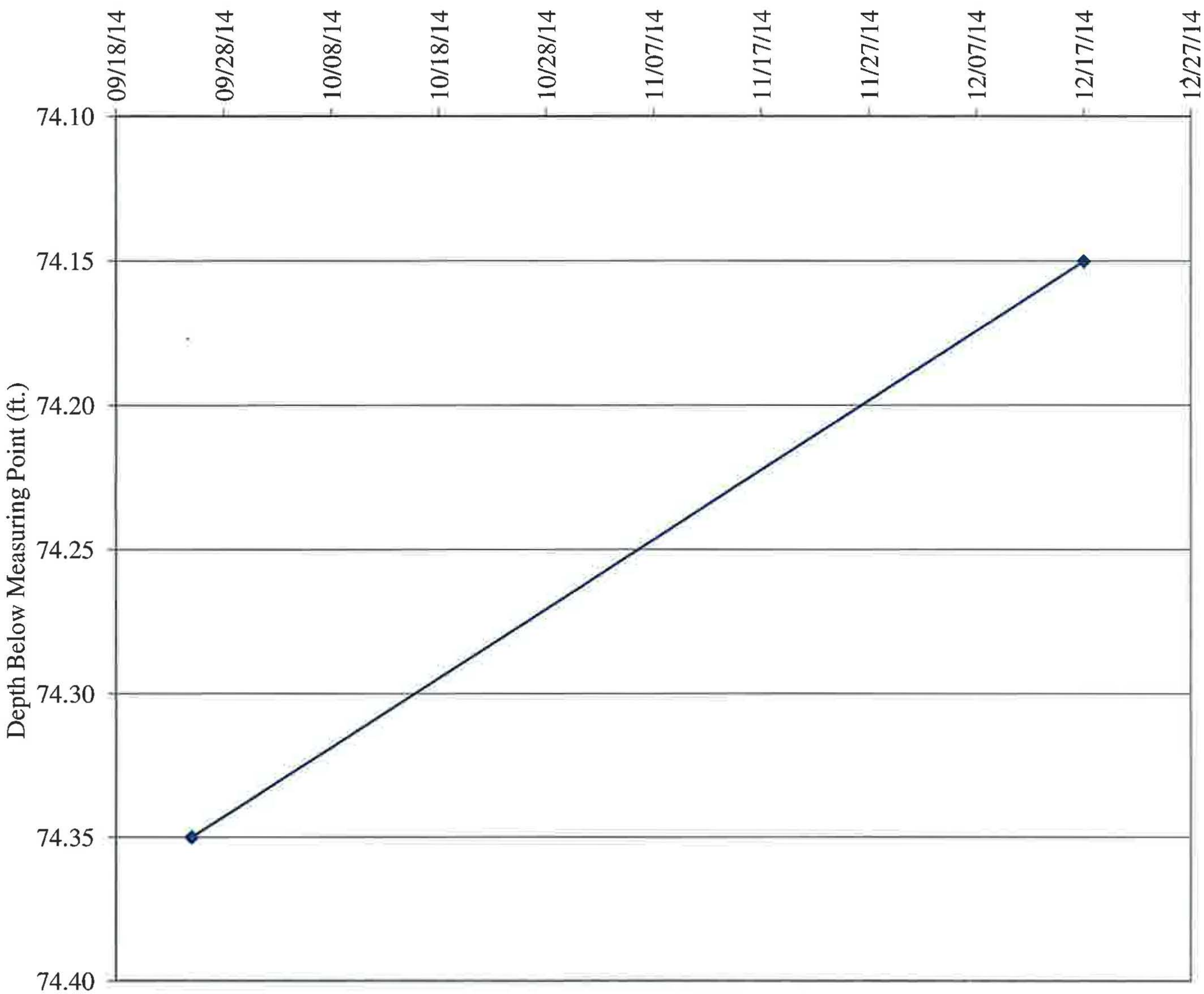
TW4-33 Water Depth Over Time (ft. blmp)



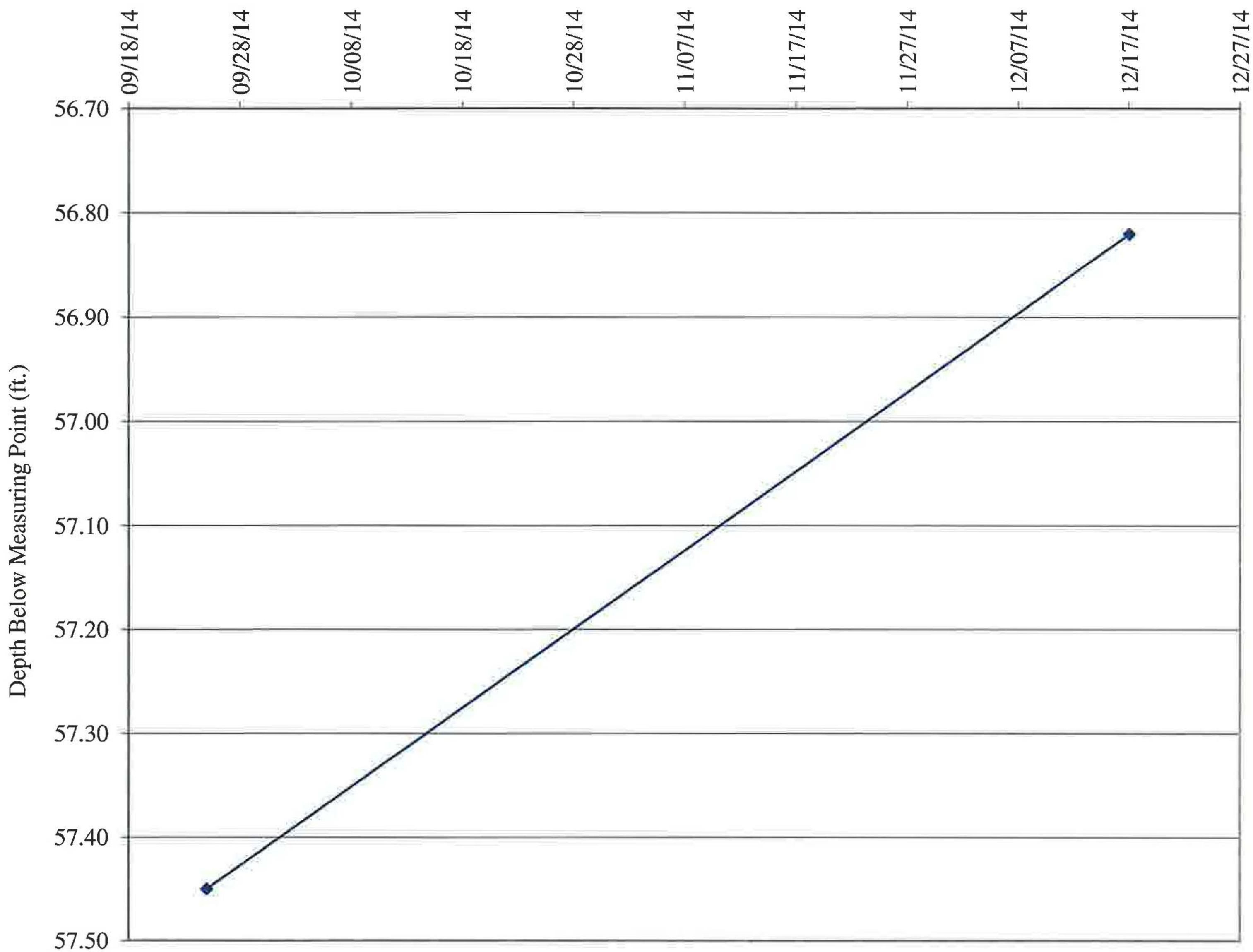
TW4-34 Water Depth Over Time (ft. blmp)



TW4-35 Water Depth Over Time (ft. blmp)



TW4-36 Water Depth Over Time (ft. blmp)



Tab G

Depths to Groundwater and Elevations Over Time for Chloroform Monitoring Wells

Water Levels and Data over Time
White Mesa Mill - Well MW4

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,527.63				09/25/79	94.70	93.14	
5,527.63				10/10/79	94.70	93.14	
5,528.43				01/10/80	93.90	92.34	
5,529.93				03/20/80	92.40	90.84	
5,528.03				06/17/80	94.30	92.74	
5,528.03				09/15/80	94.30	92.74	
5,527.93				10/08/80	94.40	92.84	
5,527.93				02/12/81	94.40	92.84	
5,525.93				09/01/84	96.40	94.84	
5,528.33				12/01/84	94.00	92.44	
5,528.13				02/01/85	94.20	92.64	
5,528.33				06/01/85	94.00	92.44	
5,528.93				09/01/85	93.40	91.84	
5,528.93				10/01/85	93.40	91.84	
5,528.93				11/01/85	93.40	91.84	
5,528.83				12/01/85	93.50	91.94	
5,512.33				03/01/86	110.00	108.44	
5,528.91				06/19/86	93.42	91.86	
5,528.83				09/01/86	93.50	91.94	
5,529.16				12/01/86	93.17	91.61	
5,526.66				02/20/87	95.67	94.11	
5,529.16				04/28/87	93.17	91.61	
5,529.08				08/14/87	93.25	91.69	
5,529.00				11/20/87	93.33	91.77	
5,528.75				01/26/88	93.58	92.02	
5,528.91				06/01/88	93.42	91.86	
5,528.25				08/23/88	94.08	92.52	
5,529.00				11/02/88	93.33	91.77	
5,528.33				03/09/89	94.00	92.44	
5,529.10				06/21/89	93.23	91.67	
5,529.06				09/01/89	93.27	91.71	
5,529.21				11/15/89	93.12	91.56	
5,529.22				02/16/90	93.11	91.55	
5,529.43				05/08/90	92.90	91.34	
5,529.40				08/07/90	92.93	91.37	
5,529.53				11/13/90	92.80	91.24	
5,529.86				02/27/91	92.47	90.91	
5,529.91				05/21/91	92.42	90.86	
5,529.77				08/27/91	92.56	91.00	
5,529.79				12/03/91	92.54	90.98	
5,530.13				03/17/92	92.20	90.64	
5,529.85				06/11/92	92.48	90.92	
5,529.90				09/13/92	92.43	90.87	

Water Levels and Data over Time
White Mesa Mill - Well MW4

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,529.92				12/09/92	92.41	90.85	
5,530.25				03/24/93	92.08	90.52	
5,530.20				06/08/93	92.13	90.57	
5,530.19				09/22/93	92.14	90.58	
5,529.75				12/14/93	92.58	91.02	
5,530.98				03/24/94	91.35	89.79	
5,531.35				06/15/94	90.98	89.42	
5,531.62				08/18/94	90.71	89.15	
5,532.58				12/13/94	89.75	88.19	
5,533.42				03/16/95	88.91	87.35	
5,534.70				06/27/95	87.63	86.07	
5,535.44				09/20/95	86.89	85.33	
5,537.16				12/11/95	85.17	83.61	
5,538.37				03/28/96	83.96	82.40	
5,539.10				06/07/96	83.23	81.67	
5,539.13				09/16/96	83.20	81.64	
5,542.29				03/20/97	80.04	78.48	
5,551.58				04/07/99	70.75	69.19	
5,552.08				05/11/99	70.25	68.69	
5,552.83				07/06/99	69.50	67.94	
5,553.47				09/28/99	68.86	67.30	
5,554.63				01/03/00	67.70	66.14	
5,555.13				04/04/00	67.20	65.64	
5,555.73				05/02/00	66.60	65.04	
5,556.03				05/11/00	66.30	64.74	
5,555.73				05/15/00	66.60	65.04	
5,555.98				05/25/00	66.35	64.79	
5,556.05				06/09/00	66.28	64.72	
5,556.18				06/16/00	66.15	64.59	
5,556.05				06/26/00	66.28	64.72	
5,556.15				07/06/00	66.18	64.62	
5,556.18				07/13/00	66.15	64.59	
5,556.17				07/18/00	66.16	64.60	
5,556.26				07/25/00	66.07	64.51	
5,556.35				08/02/00	65.98	64.42	
5,556.38				08/09/00	65.95	64.39	
5,556.39				08/15/00	65.94	64.38	
5,556.57				08/31/00	65.76	64.20	
5,556.68				09/08/00	65.65	64.09	
5,556.73				09/13/00	65.60	64.04	
5,556.82				09/20/00	65.51	63.95	
5,556.84				09/29/00	65.49	63.93	
5,556.81				10/05/00	65.52	63.96	

Water Levels and Data over Time
White Mesa Mill - Well MW4

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,556.89				10/12/00	65.44	63.88	
5,556.98				10/19/00	65.35	63.79	
5,557.01				10/23/00	65.32	63.76	
5,557.14				11/09/00	65.19	63.63	
5,557.17				11/14/00	65.16	63.60	
5,556.95				11/21/00	65.38	63.82	
5,557.08				11/30/00	65.25	63.69	
5,557.55				12/07/00	64.78	63.22	
5,557.66				01/14/01	64.67	63.11	
5,557.78				02/09/01	64.55	62.99	
5,558.28				03/29/01	64.05	62.49	
5,558.23				04/30/01	64.10	62.54	
5,558.31				05/31/01	64.02	62.46	
5,558.49				06/22/01	63.84	62.28	
5,558.66				07/10/01	63.67	62.11	
5,559.01				08/20/01	63.32	61.76	
5,559.24				09/19/01	63.09	61.53	
5,559.26				10/02/01	63.07	61.51	
5,559.27				11/08/01	63.06	61.50	
5,559.77				12/03/01	62.56	61.00	
5,559.78				01/03/02	62.55	60.99	
5,559.96				02/06/02	62.37	60.81	
5,560.16				03/26/02	62.17	60.61	
5,560.28				04/09/02	62.05	60.49	
5,560.76				05/23/02	61.57	60.01	
5,560.58				06/05/02	61.75	60.19	
5,560.43				07/08/02	61.90	60.34	
5,560.44				08/23/02	61.89	60.33	
5,560.71				09/11/02	61.62	60.06	
5,560.89				10/23/02	61.44	59.88	
5,557.86				11/22/02	64.47	62.91	
5,561.10				12/03/02	61.23	59.67	
5,561.39				01/09/03	60.94	59.38	
5,561.41				02/12/03	60.92	59.36	
5,561.93				03/26/03	60.40	58.84	
5,561.85				04/02/03	60.48	58.92	
5,536.62				05/01/03	85.71	84.15	
5,528.56				06/09/03	93.77	92.21	
5,535.28				07/07/03	87.05	85.49	
5,534.44				08/04/03	87.89	86.33	
5,537.10				09/11/03	85.23	83.67	
5,539.96				10/02/03	82.37	80.81	
5,535.91				11/07/03	86.42	84.86	

Water Levels and Data over Time
White Mesa Mill - Well MW4

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,550.70				12/03/03	71.63	70.07	
5,557.58				01/15/04	64.75	63.19	
5,558.80				02/10/04	63.53	61.97	
5,560.08				03/28/04	62.25	60.69	
5,560.55				04/12/04	61.78	60.22	
5,561.06				05/13/04	61.27	59.71	
5,561.48				06/18/04	60.85	59.29	
5,561.86				07/28/04	60.47	58.91	
5,529.17				08/30/04	93.16	91.60	
5,536.55				09/16/04	85.78	84.22	
5,529.00				10/11/04	93.33	91.77	
5,541.55				11/16/04	80.78	79.22	
5,541.12				12/22/04	81.21	79.65	
5,540.59				01/18/05	81.74	80.18	
5,542.85				02/28/05	79.48	77.92	
5,537.91				03/15/05	84.42	82.86	
5,548.67				04/26/05	73.66	72.10	
5,549.53				05/24/05	72.80	71.24	
5,544.36				06/30/05	77.97	76.41	
5,545.16				07/29/05	77.17	75.61	
5,544.67				09/12/05	77.66	76.10	
5,541.28				09/27/05	81.05	79.49	
5,536.96				12/07/05	85.37	83.81	
5,546.49				03/08/06	75.84	74.28	
5,546.15				06/13/06	76.18	74.62	
5,545.15				07/18/06	77.18	75.62	
5,545.91				11/17/06	76.42	74.86	
5,545.90				02/27/07	76.43	74.87	
5,548.16				05/02/07	74.17	72.61	
5,547.20				08/13/07	75.13	73.57	
5,547.20				10/10/07	75.13	73.57	
5,547.79				03/26/08	74.54	72.98	
5,545.09				06/25/08	77.24	75.68	
5,550.36				08/26/08	71.97	70.41	
5,550.39				10/14/08	71.94	70.38	
5,542.25				03/03/09	80.08	78.52	
5,542.25				06/24/09	80.08	78.52	
5,550.19				09/10/09	72.14	70.58	
5,550.94				12/11/09	71.39	69.83	
5,546.08				03/11/10	76.25	74.69	
5,550.98				05/11/10	71.35	69.79	
5,548.33				09/29/10	74.00	72.44	
5,551.01				12/21/10	71.32	69.76	

Water Levels and Data over Time
White Mesa Mill - Well MW4

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,547.00				02/28/11	75.33	73.77	
5,557.54				06/21/11	64.79	63.23	
5,551.14				09/20/11	71.19	69.63	
5,550.32				12/21/11	72.01	70.45	
5,551.22				03/27/12	71.11	69.55	
5,551.29				06/28/12	71.04	69.48	
5,550.29				09/27/12	72.04	70.48	
5,549.31				12/28/12	73.02	71.46	
5,552.30				03/28/13	70.03	68.47	
5,550.18				06/27/13	72.15	70.59	
5,552.55				09/27/13	69.78	68.22	
5,553.23				12/20/13	69.10	67.54	
5,551.91				03/27/14	70.42	68.86	
5,552.93				06/25/14	69.40	67.84	
5,552.23				09/25/14	70.10	68.54	
5,552.08				12/17/14	70.25	68.69	

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	
5,553.20				03/27/14	65.38	64.36	
5,552.20				06/25/14	66.38	65.36	
5,551.13				09/25/14	67.45	66.43	
5,550.72				12/17/14	67.86	66.84	

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 TW4-2

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
5,558.92				03/27/14	65.8	64.18	
5,557.99				06/25/14	66.73	65.11	
5,557.09				09/25/14	67.63	66.01	
5,557.07				12/17/14	67.65	66.03	

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 TW4-3

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
5,579.62				03/27/14	52.61	51.59	
5,578.52				06/25/14	53.71	52.69	
5,577.59				09/25/14	54.64	53.62	
5,577.40				12/17/14	54.83	53.81	

Water Levels and Data over Time
White Mesa Mill - Well TW4-4

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,612.301	5,613.485	1.184				114.5
5,512.145				05/25/00	101.34	100.16	
5,518.985				06/09/00	94.50	93.32	
5,512.145				06/16/00	101.34	100.16	
5,517.465				06/26/00	96.02	94.84	
5,520.145				07/06/00	93.34	92.16	
5,521.435				07/13/00	92.05	90.87	
5,522.005				07/18/00	91.48	90.30	
5,522.945				07/27/00	90.54	89.36	
5,523.485				08/02/00	90.00	88.82	
5,523.845				08/09/00	89.64	88.46	
5,523.885				08/15/00	89.60	88.42	
5,524.555				09/01/00	88.93	87.75	
5,513.235				09/08/00	100.25	99.07	
5,516.665				09/13/00	96.82	95.64	
5,519.085				09/20/00	94.40	93.22	
5,522.165				10/05/00	91.32	90.14	
5,524.665				11/09/00	88.82	87.64	
5,518.545				12/06/00	94.94	93.76	
5,527.695				01/03/01	85.79	84.61	
5,529.085				02/09/01	84.40	83.22	
5,529.535				03/27/01	83.95	82.77	
5,530.235				04/30/01	83.25	82.07	
5,530.265				05/31/01	83.22	82.04	
5,534.405				06/22/01	79.08	77.90	
5,533.145				07/10/01	80.34	79.16	
5,534.035				08/20/01	79.45	78.27	
5,534.465				09/19/01	79.02	77.84	
5,533.285				10/02/01	80.20	79.02	
5,533.865				11/08/01	79.62	78.44	
5,534.275				12/03/01	79.21	78.03	
5,534.715				01/03/02	78.77	77.59	
5,535.435				02/06/02	78.05	76.87	
5,536.445				03/26/02	77.04	75.86	
5,536.405				04/09/02	77.08	75.90	
5,537.335				05/23/02	76.15	74.97	
5,537.325				06/05/02	76.16	74.98	
5,537.975				07/08/02	75.51	74.33	
5,538.825				08/23/02	74.66	73.48	
5,539.275				09/11/02	74.21	73.03	
5,539.765				10/23/02	73.72	72.54	
5,540.205				11/22/02	73.28	72.10	
5,540.295				12/03/02	73.19	72.01	
5,540.795				01/09/03	72.69	71.51	

Water Levels and Data over Time
White Mesa Mill - Well TW4-4

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,612.301	5,613.485	1.184				114.5
5,540.985				02/12/03	72.50	71.32	
5,541.675				03/26/03	71.81	70.63	
5,541.765				04/02/03	71.72	70.54	
5,541.885				05/01/03	71.60	70.42	
5,542.025				06/09/03	71.46	70.28	
5,541.925				07/07/03	71.56	70.38	
5,541.885				08/04/03	71.60	70.42	
5,541.825				09/11/03	71.66	70.48	
5,541.885				10/02/03	71.60	70.42	
5,541.995				11/07/03	71.49	70.31	
5,542.005				12/03/03	71.48	70.30	
5,542.555				01/15/04	70.93	69.75	
5,542.705				02/10/04	70.78	69.60	
5,543.225				03/28/04	70.26	69.08	
5,543.555				04/12/04	69.93	68.75	
5,543.865				05/13/04	69.62	68.44	
5,543.915				06/18/04	69.57	68.39	
5,544.655				07/28/04	68.83	67.65	
5,544.795				08/30/04	68.69	67.51	
5,544.845				09/16/04	68.64	67.46	
5,544.705				10/11/04	68.78	67.60	
5,544.525				11/16/04	68.96	67.78	
5,544.625				12/22/04	68.86	67.68	
5,544.305				01/18/05	69.18	68.00	
5,544.585				02/28/05	68.90	67.72	
5,544.685				03/15/05	68.80	67.62	
5,544.675				04/26/05	68.81	67.63	
5,544.785				05/24/05	68.70	67.52	
5,544.795				06/30/05	68.69	67.51	
5,544.775				07/29/05	68.71	67.53	
5,545.005				09/12/05	68.48	67.30	
5,545.225				12/07/05	68.26	67.08	
5,545.735				03/08/06	67.75	66.57	
5,545.785				06/14/06	67.70	66.52	
5,545.855				07/18/06	67.63	66.45	
5,545.805				11/07/06	67.68	66.50	
5546.675				02/27/07	66.81	65.63	
5,546.535				05/02/07	66.95	65.77	
5,547.155				08/15/07	66.33	65.15	
5,547.215				10/10/07	66.27	65.09	
5,548.305				03/26/08	65.18	64.00	
5,548.865				06/24/08	64.62	63.44	
5,549.235				08/26/08	64.25	63.07	

Water Levels and Data over Time
White Mesa Mill - Well TW4-4

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,612.301	5,613.485	1.184				114.5
5,549.305				10/14/08	64.18	63.00	
5,549.725				03/03/09	63.76	62.58	
5,549.905				06/24/09	63.58	62.40	
5,549.695				09/10/09	63.79	62.61	
5,549.865				12/11/09	63.62	62.44	
5,545.60				03/11/10	67.89	66.71	
5,530.88				05/11/10	82.61	81.43	
5,545.24				09/29/10	68.25	67.07	
5,533.66				12/21/10	79.83	78.65	
5,544.44				02/28/11	69.05	67.87	
5,543.73				06/21/11	69.76	68.58	
5,540.48				09/20/11	73.01	71.83	
5,544.36				12/21/11	69.13	67.95	
5,543.48				03/27/12	70.01	68.83	
5,543.49				06/28/12	70.00	68.82	
5,543.36				09/27/12	70.13	68.95	
5,543.51				12/28/12	69.98	68.80	
5,543.49				03/28/13	70.00	68.82	
5,543.36				06/27/13	70.13	68.95	
5,544.59				09/27/13	68.90	67.72	
5,543.33				12/20/13	70.16	68.98	
5,544.11				03/27/14	69.38	68.20	
5,543.61				06/25/14	69.88	68.70	
5,543.67				09/25/14	69.82	68.64	
5,543.69				12/17/14	69.80	68.62	

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	
5,579.44				03/27/14	61.26	59.31	
5,578.11				06/25/14	62.59	60.64	

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
5,577.15				09/25/14	63.55	61.60	
5,577.44				12/17/14	63.26	61.31	

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	
5,539.65				03/27/14	69.13	67.68	
5,538.85				06/25/14	69.93	68.48	
5,538.69				09/25/14	70.09	68.64	
5,538.71				12/17/14	70.07	68.62	

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	
5,555.40				03/27/14	65.67	64.47	
5,554.20				06/25/14	66.87	65.67	
5,552.96				09/25/14	68.11	66.91	
5,552.62				12/17/14	68.45	67.25	

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	
5,556.38				03/27/14	65.02	60.42	

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
5,555.56				06/25/14	65.84	61.24	
5,554.82				09/25/14	66.58	61.98	
5,554.95				12/17/14	66.45	61.85	

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	
5,578.61				03/27/14	58.98	57.50	

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
5,577.24				06/25/14	60.35	58.87	
5,576.24				09/25/14	61.35	59.87	
5,576.44				12/17/14	61.15	59.67	

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	
5,575.36				03/27/14	58.88	56.63	
5,574.11				06/25/14	60.13	57.88	
5,573.19				09/25/14	61.05	58.80	
5,573.19				12/17/14	61.05	58.80	

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	
5,565.03				03/27/14	58.59	56.89	
5,564.18				06/25/14	59.44	57.74	
5,563.52				09/25/14	60.10	58.40	
5,563.37				12/17/14	60.25	58.55	

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	
5,581.67				03/27/14	42.56	40.71	
5,581.03				06/25/14	43.20	41.35	
5,580.49				09/25/14	43.74	41.89	
5,580.33				12/17/14	43.9	42.05	

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	
5,572.90				03/27/14	47.04	45.19	
5,571.79				06/25/14	48.15	46.30	
5,571.04				09/25/14	48.90	47.05	
5,571.08				12/17/14	48.86	47.01	

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	
5,528.75				03/27/14	84.02	82.17	
5,529.21				06/25/14	83.56	81.71	
5,529.78				09/25/14	82.99	81.14	
5,530.41				12/17/14	82.36	80.51	

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	
5,556.65				03/27/14	68.80	67.50	
5,552.23				06/25/14	73.22	71.92	
5,554.05				09/25/14	71.40	70.10	
5,550.65				12/17/14	74.80	73.50	

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	
5,561.17				03/27/14	62.85	61.02	
5,559.53				06/25/14	64.49	62.66	
5,558.36				09/25/14	65.66	63.83	
5,558.00				12/17/14	66.02	64.19	

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	
5,550.97				03/27/14	74.27	72.44	
5,550.16				06/25/14	75.08	73.25	
5,549.29				09/25/14	75.95	74.12	
5,548.99				12/17/14	76.25	74.42	

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	
5,579.26				03/27/14	62.02	59.87	
5,577.73				06/25/14	63.55	61.40	
5,576.79				09/25/14	64.49	62.34	
5,577.11				12/17/14	64.17	62.02	

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	
5,565.11				03/27/14	66.28	64.42	
5,561.49				06/25/14	69.90	68.04	
5,562.67				09/25/14	68.72	66.86	
5,562.99				12/17/14	68.40	66.54	

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	
5,562.17				03/27/14	67.36	66.35	
5,558.98				06/25/14	70.55	69.54	
5,561.03				09/25/14	68.50	67.49	
5,559.39				12/17/14	70.14	69.13	

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	
5,576.01				03/27/14	63.34	62.19	
5,574.08				06/25/14	65.27	64.12	
5,573.20				09/25/14	66.15	65.00	
5,576.13				12/17/14	63.22	62.07	

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	
5,569.36				03/27/14	59.64	58.47	
5,569.02				06/25/14	59.98	58.81	
5,570.00				09/25/14	59.00	57.83	
5,568.60				12/17/14	60.40	59.23	

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 TW4-23

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
5,542.35				03/27/14	65.02	63.42	
5,541.42				06/25/14	65.95	64.35	
5,540.65				09/25/14	66.72	65.12	
5,540.34				12/17/14	67.03	65.43	

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	
5,562.33				03/27/14	65.50	63.37	

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
5,563.43				06/25/14	64.40	62.27	
5,563.43				09/25/14	64.40	62.27	
5,560.97				12/17/14	66.86	64.73	

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 TW4-25

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
5,584.79				03/27/14	60.12	43.04	
5,582.44				06/25/14	62.47	45.39	
5,583.95				09/25/14	60.96	43.88	
5,581.13				12/17/14	63.78	46.70	

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	
5,538.53				03/27/14	63.15	61.45	
5,537.85				06/25/14	63.83	62.13	
5,537.33				09/25/14	64.35	62.65	
5,537.14				12/17/14	64.54	62.84	

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	
5,527.55				03/27/14	80.39	78.64	
5,527.43				06/25/14	80.51	78.76	
5,527.48				09/25/14	80.46	78.71	
5,527.81				12/17/14	80.13	78.38	

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	
5,579.83				03/27/14	37.17	33.69	
5,579.21				06/25/14	37.79	34.31	
5,578.84				09/25/14	38.16	34.68	
5,578.72				12/17/14	38.28	34.80	

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	
5,534.32				03/27/14	71.72	68.24	
5,533.85				06/25/14	72.19	68.71	
5,533.53				09/25/14	72.51	69.03	
5,533.60				12/17/14	72.44	68.96	

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	
5,525.98				03/27/14	76.83	73.35	
5,525.91				06/25/14	76.90	73.42	
5,526.00				09/25/14	76.81	73.33	
5,526.41				12/17/14	76.40	72.92	

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	
5,522.25				03/27/14	82.33	78.85	
5,522.32				06/25/14	82.26	78.78	
5,522.64				09/25/14	81.94	78.46	
5,523.27				12/17/14	81.31	77.83	

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	
5,563.24				03/27/14	48.60	46.96	
5,562.43				06/25/14	49.41	47.77	
5,561.90				09/25/14	49.94	48.30	
5,560.93				12/17/14	50.91	49.27	

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	
5,536.49				03/27/14	70.24	68.71	
5,536.06				06/25/14	70.67	69.14	
5,535.73				09/25/14	71.00	69.47	
5,535.73				12/17/14	71.00	69.47	

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	
5,533.89				03/27/14	69.45	67.71	
5,533.32				06/25/14	70.02	68.28	
5,532.94				09/25/14	70.40	68.66	
5,532.99				12/17/14	70.35	68.61	

Water Levels and Data over Time
White Mesa Mill - Well TW4-35

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
	5,598.67	5,599.87	1.20				85.3
5,525.52				09/25/14	74.35	73.15	
5,525.72				12/17/14	74.15	72.95	

Water Levels and Data over Time
White Mesa Mill - Well TW4-36

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
	5,615.18	5,616.59	1.41				98
5,559.14				09/25/14	57.45	56.04	
5,559.77				12/17/14	56.82	55.41	

Tab H

Laboratory Analytical Reports

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-006
Client Sample ID: MW-04_10212014
Collection Date: 10/21/2014 1335h
Received Date: 10/24/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1535h	E300.0	10.0	**41.5**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1046h	E353.2	1.00	**5.07**	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-006C
Client Sample ID: MW-04_10212014
Collection Date: 10/21/2014 1335h
Received Date: 10/24/2014 950h

Test Code: 8260-W

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

Analyzed: 10/28/2014 157h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**1,440**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,620	2,500	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,550	2,500	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	2,560	2,500	102	80-124	
Surr: Toluene-d8	2037-26-5	2,510	2,500	100	77-129	

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

Analyzed: 10/27/2014 1353h
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	48.6	50.00	97.1	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.4	50.00	98.8	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.2	50.00	98.3	80-124	
Surr: Toluene-d8	2037-26-5	47.5	50.00	95.0	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-017
Client Sample ID: TW4-01_10292014
Collection Date: 10/29/2014 913h
Received Date: 10/31/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 2033h	E300.0	10.0	**38.7**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1234h	E353.2	1.00	**6.31**	

American West Analytical Laboratories
3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-017C
Client Sample ID: TW4-01_10292014
Collection Date: 10/29/2014 913h
Received Date: 10/31/2014 950h

Test Code: 8260-W

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

Analyzed: 11/5/2014 1231h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**1,140**	~

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	1,110	1,000	111	80-128	
Surr: Dibromofluoromethane	1868-53-7	1,110	1,000	111	80-124	
Surr: Toluene-d8	2037-26-5	1,060	1,000	106	77-129	

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

Analyzed: 11/4/2014 2318h
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	57.0	50.00	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	54.8	50.00	110	80-128	
Surr: Dibromofluoromethane	1868-53-7	55.0	50.00	110	80-124	
Surr: Toluene-d8	2037-26-5	53.8	50.00	108	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-020
Client Sample ID: TW4-02_10302014
Collection Date: 10/30/2014 712h
Received Date: 10/31/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 2157h	E300.0	10.0	**45.5**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1243h	E353.2	1.00	**8.45**	

American West Analytical Laboratories
3440 South 700 West
Salt Lake City, UT 84119

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

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-020C
Client Sample ID: TW4-02_10302014
Collection Date: 10/30/2014 712h
Received Date: 10/31/2014 950h

Test Code: 8260-W

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 11/5/2014 1329h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**3,580**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,930	2,500	117	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,730	2,500	109	80-128	
Surr: Dibromofluoromethane	1868-53-7	2,720	2,500	109	80-124	
Surr: Toluene-d8	2037-26-5	2,600	2,500	104	77-129	

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

Analyzed: 11/5/2014 016h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**2.60**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.0	50.00	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.8	50.00	106	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.8	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	50.6	50.00	101	77-129	

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-010
Client Sample ID: TW4-03_10232104
Collection Date: 10/23/2014 709h
Received Date: 10/24/2014 950h

3440 South 700 West
Salt Lake City, UT 84119

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

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1608h	E300.0	10.0	**26.7**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1056h	E353.2	1.00	**6.07**	

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-010C
Client Sample ID: TW4-03_10232104
Collection Date: 10/23/2014 709h
Received Date: 10/24/2014 950h

Test Code: 8260-W

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

Analyzed: 10/27/2014 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	49.1	50.00	98.1	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.4	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.8	50.00	97.7	80-124	
Surr: Toluene-d8	2037-26-5	48.0	50.00	96.1	77-129	

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-009
Client Sample ID: TW4-03R_10222014
Collection Date: 10/22/2014 1008h
Received Date: 10/24/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 2056h	E300.0	1.00	< 1.00	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1055h	E353.2	0.100	< 0.100	

3440 South 700 West
Salt Lake City, UT 84119

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

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-009C
Client Sample ID: TW4-03R_10222014
Collection Date: 10/22/2014 1008h
Received Date: 10/24/2014 950h

Test Code: 8260-W

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

Analyzed: 10/28/2014 001h
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	51.7	50.00	103	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	50.3	50.00	101	77-129	

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

Client:	Energy Fuels Resources, Inc.	**Contact:**	Garrin Palmer
Project:	4th Quarter Chloroform 2014		
Lab Sample ID:	1410353-007		
Client Sample ID:	TW4-04_10212014		
Collection Date:	10/21/2014 1341h		
Received Date:	10/24/2014 950h		

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1552h	E300.0	10.0	**40.0**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1052h	E353.2	1.00	**7.02**	

3440 South 700 West
Salt Lake City, UT 84119

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

American West Analytical Laboratories

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-007C
Client Sample ID: TW4-04_10212014
Collection Date: 10/21/2014 1341h
Received Date: 10/24/2014 950h

Test Code: 8260-W

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

Analyzed: 10/28/2014 217h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**1,130**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,630	2,500	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,620	2,500	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	2,560	2,500	102	80-124	
Surr: Toluene-d8	2037-26-5	2,480	2,500	99.4	77-129	

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

Analyzed: 10/27/2014 1412h
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	49.0	50.00	98.1	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.2	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.9	50.00	99.8	80-124	
Surr: Toluene-d8	2037-26-5	49.0	50.00	98.0	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-007
Client Sample ID: TW4-05_10282014
Collection Date: 10/28/2014 845h
Received Date: 10/31/2014 950h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 1654h	E300.0	10.0	**45.1**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1211h	E353.2	1.00	**8.31**	

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-007C
Client Sample ID: TW4-05_10282014
Collection Date: 10/28/2014 845h
Received Date: 10/31/2014 950h

Test Code: 8260-W

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

Analyzed: 11/4/2014 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	**14.6**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.5	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.7	50.00	107	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.1	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	51.8	50.00	104	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-014
Client Sample ID: TW4-06_10292014
Collection Date: 10/29/2014 833h
Received Date: 10/31/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 1943h	E300.0	10.0	**41.1**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1247h	E353.2	1.00	**6.92**	

American West Analytical Laboratories
3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Chloroform 2014
Lab Sample ID:	1410466-014C
Client Sample ID:	TW4-06_10292014
Collection Date:	10/29/2014 833h
Received Date:	10/31/2014 950h

Test Code: 8260-W

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

3440 South 700 West
Salt Lake City, UT 84119

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

Analyzed: 11/5/2014 1034h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**723**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	576	500.0	115	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	541	500.0	108	80-128	
Surr: Dibromofluoromethane	1868-53-7	538	500.0	108	80-124	
Surr: Toluene-d8	2037-26-5	510	500.0	102	77-129	

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

Analyzed: 11/4/2014 2220h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
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	51.3	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.5	50.00	101	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.7	50.00	99.4	80-124	
Surr: Toluene-d8	2037-26-5	48.4	50.00	96.7	77-129	

INORGANIC ANALYTICAL REPORT

Client:	Energy Fuels Resources, Inc.	**Contact:**	Garrin Palmer
Project:	4th Quarter Chloroform 2014		
Lab Sample ID:	1410466-018		
Client Sample ID:	TW4-07_10302014		
Collection Date:	10/30/2014 654h		
Received Date:	10/31/2014 950h		

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 2124h	E300.0	10.0	**40.2**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1240h	E353.2	1.00	**3.68**	

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014		
Lab Sample ID:	1410466-018C		
Client Sample ID:	TW4-07_10302014		
Collection Date:	10/30/2014 654h		
Received Date:	10/31/2014 950h		Test Code: 8260-W

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

Analyzed: 11/5/2014 1250h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**926**	~

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	1,130	1,000	113	80-128	
Surr: Dibromofluoromethane	1868-53-7	1,080	1,000	108	80-124	
Surr: Toluene-d8	2037-26-5	1,040	1,000	104	77-129	

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

Analyzed: 11/4/2014 2337h
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	55.3	50.00	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	54.1	50.00	108	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.1	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	51.4	50.00	103	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-011
Client Sample ID: TW4-08_10292014
Collection Date: 10/29/2014 804h
Received Date: 10/31/2014 950h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 1835h	E300.0	10.0	**46.7**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1223h	E353.2	0.100	**0.914**	1

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

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-011C
Client Sample ID: TW4-08_10292014
Collection Date: 10/29/2014 804h
Received Date: 10/31/2014 950h

Test Code: 8260-W

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

Analyzed: 11/4/2014 1925h
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	**191**	
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	54.3	50.00	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	54.5	50.00	109	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.8	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	51.8	50.00	104	77-129	

INORGANIC ANALYTICAL REPORT

American West ANALYTICAL LABORATORIES

Client:	Energy Fuels Resources, Inc.	**Contact:**	Garrin Palmer
Project:	4th Quarter Chloroform 2014		
Lab Sample ID:	1410466-009		
Client Sample ID:	TW4-09_10292014		
Collection Date:	10/29/2014 748h		
Received Date:	10/31/2014 950h		

3440 South 700 West
Salt Lake City, UT 84119

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

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 1801h	E300.0	10.0	**25.0**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1213h	E353.2	1.00	**4.27**	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-009C
Client Sample ID: TW4-09_10292014
Collection Date: 10/29/2014 748h
Received Date: 10/31/2014 950h

Test Code: 8260-W

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

Analyzed: 11/4/2014 1530h
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	**101**	
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	52.4	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.3	50.00	107	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.0	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	50.9	50.00	102	77-129	

American West
ANALYTICAL LABORATORIES

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-022
Client Sample ID: TW4-09R-10282014
Collection Date: 10/28/2014 916h
Received Date: 10/31/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/6/2014 001h	E300.0	1.00	< 1.00	
Nitrate/Nitrite (as N)	mg/L		11/11/2014 1215h	E353.2	0.100	< 0.100	

3440 South 700 West
Salt Lake City, UT 84119

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

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-022C
Client Sample ID: TW4-09R-10282014
Collection Date: 10/28/2014 916h
Received Date: 10/31/2014 950h

Test Code: 8260-W

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

Analyzed: 11/5/2014 838h
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	58.3	50.00	117	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	55.7	50.00	111	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.1	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	51.9	50.00	104	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-019
Client Sample ID: TW4-10_10302014
Collection Date: 10/30/2014 703h
Received Date: 10/31/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 2140h	E300.0	10.0	**75.2**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1241h	E353.2	1.00	**13.2**	

American West Analytical Laboratories
3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

Client:	Energy Fuels Resources, Inc.	**Contact:**	Garrin Palmer
Project:	4th Quarter Chloroform 2014		
Lab Sample ID:	1410466-019C		
Client Sample ID:	TW4-10_10302014		
Collection Date:	10/30/2014 703h		
Received Date:	10/31/2014 950h		Test Code: 8260-W

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

Analyzed: 11/5/2014 1310h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

3440 South 700 West
Salt Lake City, UT 84119

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

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**1,220**	~

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	1,080	1,000	108	80-128	
Surr: Dibromofluoromethane	1868-53-7	1,080	1,000	108	80-124	
Surr: Toluene-d8	2037-26-5	1,030	1,000	103	77-129	

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

Analyzed: 11/4/2014 2357h
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	55.1	50.00	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.5	50.00	107	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.0	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	51.4	50.00	103	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-016
Client Sample ID: TW4-11_10292014
Collection Date: 10/29/2014 907h
Received Date: 10/31/2014 950h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 2016h	E300.0	10.0	**56.4**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1233h	E353.2	1.00	**7.33**	

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-016C
Client Sample ID: TW4-11_10292014
Collection Date: 10/29/2014 907h
Received Date: 10/31/2014 950h

Test Code: 8260-W

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

Analyzed: 11/5/2014 1211h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**803**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	593	500.0	119	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	541	500.0	108	80-128	
Surr: Dibromofluoromethane	1868-53-7	555	500.0	111	80-124	
Surr: Toluene-d8	2037-26-5	520	500.0	104	77-129	

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

Analyzed: 11/4/2014 2258h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.1	50.00	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.1	50.00	106	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.2	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	51.3	50.00	103	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-011
Client Sample ID: TW4-12_10232014
Collection Date: 10/23/2014 719h
Received Date: 10/24/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1625h	E300.0	10.0	**50.2**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1057h	E353.2	1.00	**16.1**	

American West Analytical Laboratories
3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-011C
Client Sample ID: TW4-12_10232014
Collection Date: 10/23/2014 719h
Received Date: 10/24/2014 950h

Test Code: 8260-W

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 10/28/2014 021h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

American West Analytical Laboratories

3440 South 700 West
Salt Lake City, UT 84119

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

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	50.8	50.00	102	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.0	50.00	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.9	50.00	99.9	80-124	
Surr: Toluene-d8	2037-26-5	49.5	50.00	98.9	77-129	

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-014
Client Sample ID: TW4-13_10232014
Collection Date: 10/23/2014 740h
Received Date: 10/24/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1716h	E300.0	10.0	**66.1**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1104h	E353.2	1.00	**6.28**	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-014C
Client Sample ID: TW4-13_10232014
Collection Date: 10/23/2014 740h
Received Date: 10/24/2014 950h Test Code: 8260-W

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

Analyzed: 10/27/2014 2029h
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	50.7	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.0	50.00	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.7	50.00	99.4	80-124	
Surr: Toluene-d8	2037-26-5	49.0	50.00	98.1	77-129	

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-015
Client Sample ID: TW4-14_10232014
Collection Date: 10/23/2014 746h
Received Date: 10/24/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1824h	E300.0	10.0	**38.9**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1110h	E353.2	1.00	**5.22**	

3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-015C
Client Sample ID: TW4-14_10232014
Collection Date: 10/23/2014 746h
Received Date: 10/24/2014 950h

Test Code: 8260-W

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

Analyzed: 10/27/2014 2127h
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	**1.68**	
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	50.0	50.00	100	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.6	50.00	101	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.7	50.00	99.4	80-124	
Surr: Toluene-d8	2037-26-5	47.7	50.00	95.4	77-129	

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-005
Client Sample ID: MW-26_10212014
Collection Date: 10/21/2014 1328h
Received Date: 10/24/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1444h	E300.0	10.0	**60.1**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1045h	E353.2	0.100	**0.934**	

3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

Client:	Energy Fuels Resources, Inc.	**Contact:**	Garrin Palmer
Project:	4th Quarter Chloroform 2014		
Lab Sample ID:	1410353-005C		
Client Sample ID:	MW-26_10212014		
Collection Date:	10/21/2014 1328h		
Received Date:	10/24/2014 950h		Test Code: 8260-W

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

3440 South 700 West
Salt Lake City, UT 84119

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

Analyzed: 10/28/2014 138h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**2,090**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,660	2,500	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,510	2,500	100	80-128	
Surr: Dibromofluoromethane	1868-53-7	2,560	2,500	103	80-124	
Surr: Toluene-d8	2037-26-5	2,500	2,500	99.9	77-129	

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

Analyzed: 10/27/2014 1333h
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	**23.2**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.4	50.00	98.7	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.1	50.00	96.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.5	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	48.1	50.00	96.1	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-015
Client Sample ID: TW4-16_10292014
Collection Date: 10/29/2014 840h
Received Date: 10/31/2014 950h

American West ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 1959h	E300.0	10.0	**92.1**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1231h	E353.2	1.00	**8.40**	

ORGANIC ANALYTICAL REPORT

American West Analytical Laboratories
3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-015C
Client Sample ID: TW4-16_10292014
Collection Date: 10/29/2014 840h
Received Date: 10/31/2014 950h

Test Code: 8260-W

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

Analyzed: 11/5/2014 1054h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**387**	~

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	537	500.0	107	80-128	
Surr: Dibromofluoromethane	1868-53-7	545	500.0	109	80-124	
Surr: Toluene-d8	2037-26-5	520	500.0	104	77-129	

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

Analyzed: 11/4/2014 2239h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
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	56.2	50.00	112	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	54.8	50.00	110	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.1	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	52.3	50.00	105	77-129	

INORGANIC ANALYTICAL REPORT

Client:	Energy Fuels Resources, Inc.	**Contact:**	Garrin Palmer
Project:	4th Quarter Chloroform 2014		
Lab Sample ID:	1410466-005		
Client Sample ID:	MW-32_10292014		
Collection Date:	10/29/2014 1320h		
Received Date:	10/31/2014 950h		

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 1620h	E300.0	10.0	**34.9**	
Nitrate/Nitrite (as N)	mg/L		11/11/2014 1213h	E353.2	0.100	< 0.100	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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

American West Analytical Laboratories
3440 South 700 West
Salt Lake City, UT 84119
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 2014
Lab Sample ID: 1410466-005C
Client Sample ID: MW-32_10292014
Collection Date: 10/29/2014 1320h
Received Date: 10/31/2014 950h

Test Code: 8260-W

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

Analyzed: 11/4/2014 1413h
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	51.2	50.00	102	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.2	50.00	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.0	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	50.9	50.00	102	77-129	

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc.　**Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-008
Client Sample ID: TW4-18_10282014
Collection Date: 10/28/2014 857h
Received Date: 10/31/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 1711h	E300.0	10.0	**40.8**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1212h	E353.2	1.00	**11.1**	

3440 South 700 West
Salt Lake City, UT 84119

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

American West ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-008C
Client Sample ID: TW4-18_10282014
Collection Date: 10/28/2014 857h
Received Date: 10/31/2014 950h

Test Code: 8260-W

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

Analyzed: 11/4/2014 1511h
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	**33.0**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.2	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	54.5	50.00	109	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.1	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	51.4	50.00	103	77-129	

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-008
Client Sample ID: TW4-19_10212014
Collection Date: 10/21/2014 1415h
Received Date: 10/24/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1354h	E300.0	100	**130**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1053h	E353.2	1.00	**4.72**	

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-008C
Client Sample ID: TW4-19_10212014
Collection Date: 10/21/2014 1415h
Received Date: 10/24/2014 950h

Test Code: 8260-W

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

Analyzed: 10/28/2014 236h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**4,310**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,640	2,500	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,570	2,500	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	2,580	2,500	103	80-124	
Surr: Toluene-d8	2037-26-5	2,480	2,500	99.4	77-129	

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

Analyzed: 10/27/2014 1431h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**4.80**	
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	47.8	50.00	95.6	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.8	50.00	97.6	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.7	50.00	97.4	80-124	
Surr: Toluene-d8	2037-26-5	47.0	50.00	94.0	77-129	

American West Analytical Laboratories
3440 South 700 West
Salt Lake City, UT 84119
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

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-004
Client Sample ID: TW4-20_10212014
Collection Date: 10/21/2014 1322h
Received Date: 10/24/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1337h	E300.0	100	**292**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1043h	E353.2	1.00	**7.67**	

3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-004C
Client Sample ID: TW4-20_10212014
Collection Date: 10/21/2014 1322h
Received Date: 10/24/2014 950h

Test Code: 8260-W

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

Analyzed: 10/28/2014 119h
Units: µg/L **Dilution Factor:** 500 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	500	**23,300**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	26,100	25,000	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	25,800	25,000	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	25,600	25,000	103	80-124	
Surr: Toluene-d8	2037-26-5	25,300	25,000	101	77-129	

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

Analyzed: 10/27/2014 1255h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**18.5**	
Chloromethane	74-87-3	1.00	**4.04**	
Methylene chloride	75-09-2	1.00	**2.38**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	43.9	50.00	87.8	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	45.6	50.00	91.2	80-128	
Surr: Dibromofluoromethane	1868-53-7	43.2	50.00	86.4	80-124	
Surr: Toluene-d8	2037-26-5	44.5	50.00	88.9	77-129	

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-012
Client Sample ID: TW4-21_10292014
Collection Date: 10/29/2014 813h
Received Date: 10/31/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 1258h	E300.0	100	**252**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1227h	E353.2	1.00	**10.0**	

3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-012C
Client Sample ID: TW4-21_10292014
Collection Date: 10/29/2014 813h
Received Date: 10/31/2014 950h

Test Code: 8260-W

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

Analyzed: 11/5/2014 917h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**229**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	564	500.0	113	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	537	500.0	107	80-128	
Surr: Dibromofluoromethane	1868-53-7	533	500.0	107	80-124	
Surr: Toluene-d8	2037-26-5	509	500.0	102	77-129	

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

3440 South 700 West
Salt Lake City, UT 84119

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

Analyzed: 11/4/2014 2141h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**1.04**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.1	50.00	112	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	54.2	50.00	108	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.9	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	51.6	50.00	103	77-129	

INORGANIC ANALYTICAL REPORT

American West Analytical Laboratories

Client:	Energy Fuels Resources, Inc.	**Contact:**	Garrin Palmer
Project:	4th Quarter Chloroform 2014		
Lab Sample ID:	1410353-003		
Client Sample ID:	TW4-22_10212014		
Collection Date:	10/21/2014 1313h		
Received Date:	10/24/2014 950h		

3440 South 700 West
Salt Lake City, UT 84119

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

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1320h	E300.0	100	**596**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1119h	E353.2	10.0	**54.9**	

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-003C
Client Sample ID: TW4-22_10212014
Collection Date: 10/21/2014 1313h
Received Date: 10/24/2014 950h

Test Code: 8260-W

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

Analyzed: 10/28/2014 059h
Units: µg/L **Dilution Factor:** 500 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	500	**12,400**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	26,500	25,000	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	26,000	25,000	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	25,400	25,000	101	80-124	
Surr: Toluene-d8	2037-26-5	24,900	25,000	99.7	77-129	

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

Analyzed: 10/27/2014 1235h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**3.32**	
Chloromethane	74-87-3	1.00	**1.61**	
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	49.4	50.00	98.8	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.8	50.00	97.6	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.2	50.00	96.4	80-124	
Surr: Toluene-d8	2037-26-5	48.2	50.00	96.4	77-129	

American West ANALYTICAL LABORATORIES

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-004
Client Sample ID: TW4-23_10282014
Collection Date: 10/28/2014 830h
Received Date: 10/31/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 1603h	E300.0	10.0	**46.8**	
Nitrate/Nitrite (as N)	mg/L		11/11/2014 1211h	E353.2	0.100	< 0.100	

3440 South 700 West
Salt Lake City, UT 84119

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

American West Analytical Laboratories

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-004C
Client Sample ID: TW4-23_10282014
Collection Date: 10/28/2014 830h
Received Date: 10/31/2014 950h

Test Code: 8260-W

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

Analyzed: 11/4/2014 1353h
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	52.0	50.00	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.8	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	50.4	50.00	101	77-129	

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

Client:	Energy Fuels Resources, Inc.	**Contact:**	Garrin Palmer
Project:	4th Quarter Chloroform 2014		
Lab Sample ID:	1410353-002		
Client Sample ID:	TW4-24_10212014		
Collection Date:	10/21/2014 1305h		
Received Date:	10/24/2014 950h		

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1303h	E300.0	100	**1,050**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1118h	E353.2	10.0	**35.7**	

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-002C
Client Sample ID: TW4-24_10212014
Collection Date: 10/21/2014 1305h
Received Date: 10/24/2014 950h

Test Code: 8260-W

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 10/27/2014 1216h
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	**25.8**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	48.0	50.00	96.1	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.2	50.00	98.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	47.0	50.00	94.1	80-124	
Surr: Toluene-d8	2037-26-5	47.2	50.00	94.5	77-129	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-001
Client Sample ID: TW4-25_10212014
Collection Date: 10/21/2014 1252h
Received Date: 10/24/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/5/2014 2310h	E300.0	10.0	**58.1**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1037h	E353.2	0.100	**1.03**	1

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

3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-001C
Client Sample ID: TW4-25_10212014
Collection Date: 10/21/2014 1252h
Received Date: 10/24/2014 950h

Test Code: 8260-W

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 10/27/2014 824h
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	47.1	50.00	94.2	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.0	50.00	97.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	46.8	50.00	93.7	80-124	
Surr: Toluene-d8	2037-26-5	47.3	50.00	94.5	77-129	

American West
ANALYTICAL LABORATORIES

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-006
Client Sample ID: TW4-26_10282014
Collection Date: 10/28/2014 836h
Received Date: 10/31/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 1637h	E300.0	10.0	**14.6**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1209h	E353.2	1.00	**12.3**	

3440 South 700 West
Salt Lake City, UT 84119

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

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-006C
Client Sample ID: TW4-26_10282014
Collection Date: 10/28/2014 836h
Received Date: 10/31/2014 950h

Test Code: 8260-W

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 11/4/2014 1432h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	**2.45**	
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	49.8	50.00	99.5	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.5	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.7	50.00	97.4	80-124	
Surr: Toluene-d8	2037-26-5	49.4	50.00	98.9	77-129	

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-017
Client Sample ID: TW4-27_10232014
Collection Date: 10/23/2014 802h
Received Date: 10/24/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1931h	E300.0	10.0	**24.4**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1113h	E353.2	10.0	**28.2**	

3440 South 700 West
Salt Lake City, UT 84119

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

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-017C
Client Sample ID: TW4-27_10232014
Collection Date: 10/23/2014 802h
Received Date: 10/24/2014 950h

Test Code: 8260-W

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

Analyzed: 10/27/2014 2205h
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	51.4	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.3	50.00	101	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.2	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	49.0	50.00	98.1	77-129	

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-012
Client Sample ID: TW4-28_10232014
Collection Date: 10/23/2014 726h
Received Date: 10/24/2014 950h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1642h	E300.0	10.0	**52.1**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1101h	E353.2	1.00	**16.5**	

ORGANIC ANALYTICAL REPORT

Client:	Energy Fuels Resources, Inc.	**Contact:**	Garrin Palmer
Project:	4th Quarter Chloroform 2014		
Lab Sample ID:	1410353-012C		
Client Sample ID:	TW4-28_10232014		
Collection Date:	10/23/2014 726h		
Received Date:	10/24/2014 950h		Test Code: 8260-W

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

Analyzed: 10/28/2014 040h

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	53.3	50.00	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.8	50.00	108	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.9	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	51.0	50.00	102	77-129	

American West Analytical Laboratories
3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-013
Client Sample ID: TW4-29_10292014
Collection Date: 10/29/2014 824h
Received Date: 10/31/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 1926h	E300.0	10.0	**41.0**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1229h	E353.2	1.00	**3.64**	

American West Analytical Laboratories
3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

Client:	Energy Fuels Resources, Inc.	**Contact:**	Garrin Palmer
Project:	4th Quarter Chloroform 2014		
Lab Sample ID:	1410466-013C		
Client Sample ID:	TW4-29_10292014		
Collection Date:	10/29/2014 824h		
Received Date:	10/31/2014 950h		Test Code: 8260-W

3440 South 700 West
Salt Lake City, UT 84119

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

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

Analyzed: 11/5/2014 1015h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**290**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	580	500.0	116	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	552	500.0	110	80-128	
Surr: Dibromofluoromethane	1868-53-7	542	500.0	108	80-124	
Surr: Toluene-d8	2037-26-5	520	500.0	104	77-129	

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

Analyzed: 11/4/2014 2200h
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	55.6	50.00	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.0	50.00	106	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.9	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	51.5	50.00	103	77-129	

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-018
Client Sample ID: TW4-30_10232014
Collection Date: 10/23/2014 808h
Received Date: 10/24/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1948h	E300.0	10.0	**37.1**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1114h	E353.2	0.100	**1.84**	

3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-018C
Client Sample ID: TW4-30_10232014
Collection Date: 10/23/2014 808h
Received Date: 10/24/2014 950h

Test Code: 8260-W

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

Analyzed: 10/27/2014 2225h
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	49.5	50.00	99.0	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.6	50.00	97.1	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.3	50.00	96.5	80-124	
Surr: Toluene-d8	2037-26-5	47.5	50.00	95.1	77-129	

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-001
Client Sample ID: TW4-31_10282014
Collection Date: 10/28/2014 808h
Received Date: 10/31/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 1439h	E300.0	10.0	**30.0**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1155h	E353.2	0.100	**1.23**	

3440 South 700 West
Salt Lake City, UT 84119

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

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-001C
Client Sample ID: TW4-31_10282014
Collection Date: 10/28/2014 808h
Received Date: 10/31/2014 950h

Test Code: 8260-W

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 11/4/2014 823h
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	54.4	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	51.0	50.00	102	77-129	

INORGANIC ANALYTICAL REPORT

American West ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-013
Client Sample ID: TW4-32_10232014
Collection Date: 10/23/2014 734h
Received Date: 10/24/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1659h	E300.0	10.0	**62.6**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1103h	E353.2	1.00	**2.14**	

3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

Client:	Energy Fuels Resources, Inc.	**Contact:**	Garrin Palmer
Project:	4th Quarter Chloroform 2014		
Lab Sample ID:	1410353-013C		
Client Sample ID:	TW4-32_10232014		
Collection Date:	10/23/2014 734h		
Received Date:	10/24/2014 950h		Test Code: 8260-W

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

Analyzed: 10/27/2014 2009h

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	50.5	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.5	50.00	97.0	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.0	50.00	97.9	80-124	
Surr: Toluene-d8	2037-26-5	47.8	50.00	95.6	77-129	

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-010
Client Sample ID: TW4-33_10292014
Collection Date: 10/29/2014 757h
Received Date: 10/31/2014 950h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 1818h	E300.0	10.0	**44.2**	
Nitrate/Nitrite (as N)	mg/L		11/4/2014 1529h	E353.2	1.00	**2.22**	

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-010C
Client Sample ID: TW4-33_10292014
Collection Date: 10/29/2014 757h
Received Date: 10/31/2014 950h

Test Code: 8260-W

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

Analyzed: 11/4/2014 1550h
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	**124**	
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	53.8	50.00	108	80-128	
Surr: Dibromofluoromethane	1868-53-7	52.2	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	52.0	50.00	104	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-002
Client Sample ID: TW4-34_10282014
Collection Date: 10/28/2014 815h
Received Date: 10/31/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 1530h	E300.0	10.0	**17.5**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1204h	E353.2	0.100	**1.16**	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-002C
Client Sample ID: TW4-34_10282014
Collection Date: 10/28/2014 815h
Received Date: 10/31/2014 950h

Test Code: 8260-W

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

Analyzed: 11/4/2014 843h
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	54.1	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.7	50.00	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.2	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	50.3	50.00	101	77-129	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-003
Client Sample ID: TW4-35_10282014
Collection Date: 10/28/2014 822h
Received Date: 10/31/2014 950h

3440 South 700 West
Salt Lake City, UT 84119

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

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/4/2014 1547h	E300.0	10.0	**34.1**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1205h	E353.2	0.100	**0.351**	

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-003C
Client Sample ID: TW4-35_10282014
Collection Date: 10/28/2014 822h
Received Date: 10/31/2014 950h

Test Code: 8260-W

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

Analyzed: 11/4/2014 1334h
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	52.6	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	54.6	50.00	109	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.6	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	51.2	50.00	102	77-129	

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-016
Client Sample ID: TW4-36_10232014
Collection Date: 10/23/2014 755h
Received Date: 10/24/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 1915h	E300.0	10.0	**67.3**	
Nitrate/Nitrite (as N)	mg/L		11/11/2014 1224h	E353.2	0.100	< 0.100	

3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-016C
Client Sample ID: TW4-36_10232014
Collection Date: 10/23/2014 755h
Received Date: 10/24/2014 950h Test Code: 8260-W

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

Analyzed: 10/27/2014 2146h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

3440 South 700 West
Salt Lake City, UT 84119

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

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	49.3	50.00	98.6	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.6	50.00	101	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.2	50.00	96.4	80-124	
Surr: Toluene-d8	2037-26-5	48.1	50.00	96.3	77-129	

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-020
Client Sample ID: TW4-60_10232014
Collection Date: 10/23/2014 830h
Received Date: 10/24/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 2146h	E300.0	1.00	< 1.00	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1117h	E353.2	0.100	< 0.100	

3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-020C
Client Sample ID: TW4-60_10232014
Collection Date: 10/23/2014 830h
Received Date: 10/24/2014 950h

Test Code: 8260-W

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

Analyzed: 10/27/2014 2303h
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	51.2	50.00	102	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.2	50.00	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.3	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	50.2	50.00	100	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-019
Client Sample ID: TW4-65_10232014
Collection Date: 10/23/2014 719h
Received Date: 10/24/2014 950h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/2/2014 2005h	E300.0	10.0	**49.7**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1129h	E353.2	1.00	**15.2**	

American West ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410353-019C
Client Sample ID: TW4-65_10232014
Collection Date: 10/23/2014 719h
Received Date: 10/24/2014 950h

Test Code: 8260-W

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

Analyzed: 10/27/2014 2244h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

3440 South 700 West
Salt Lake City, UT 84119

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

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	51.7	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.2	50.00	106	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.2	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	49.6	50.00	99.2	77-129	

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Sample ID: 1410466-021
Client Sample ID: TW4-70_10282014
Collection Date: 10/28/2014 845h
Received Date: 10/31/2014 950h

3440 South 700 West
Salt Lake City, UT 84119

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

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		11/5/2014 2056h	E300.0	10.0	**44.5**	
Nitrate/Nitrite (as N)	mg/L		11/3/2014 1251h	E353.2	1.00	**8.64**	'

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

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-021C
Client Sample ID: TW4-70_10282014
Collection Date: 10/28/2014 845h
Received Date: 10/31/2014 950h

Test Code: 8260-W

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

Analyzed: 11/5/2014 819h
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	**15.0**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.9	50.00	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.8	50.00	106	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.2	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	51.3	50.00	103	77-129	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410353-021A
Client Sample ID: Trip Blank
Collection Date: 10/21/2014
Received Date: 10/24/2014 950h

Test Code: 8260-W

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

Analyzed: 10/27/2014 2342h
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	51.0	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.1	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	49.8	50.00	99.5	77-129	

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Sample ID: 1410466-023A
Client Sample ID: Trip Blank
Collection Date: 10/28/2014
Received Date: 10/31/2014 950h

Test Code: 8260-W

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 11/5/2014 114h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.4	50.00	113	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.6	50.00	107	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.2	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	51.6	50.00	103	77-129	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014

Dear Garrin Palmer: Lab Set ID: 1410353

American West Analytical Laboratories received 21 sample(s) on 10/24/2014 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,

Kyle F. Gross

Digitally signed by Kyle F. Gross
DN: cn=Kyle F. Gross, o=American West Analytical Lab, ou=Laboratory Director, email=kyle@awal-labs.com, c=US
Date: 2014.11.13 06:42:48 -07'00'

Approved by:

Laboratory Director or designee

SAMPLE SUMMARY

American West
ANALYTICAL LABORATORIES

Client:	Energy Fuels Resources, Inc.	**Contact:**	Garrin Palmer
Project:	4th Quarter Chloroform 2014		
Lab Set ID:	1410353		
Date Received:	10/24/2014 950h		

3440 South 700 West
Salt Lake City, UT 84119

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
1410353-001A	TW4-25_10212014	10/21/2014 1252h	Aqueous	Anions, E300.0
1410353-001B	TW4-25_10212014	10/21/2014 1252h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-001C	TW4-25_10212014	10/21/2014 1252h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-002A	TW4-24_10212014	10/21/2014 1305h	Aqueous	Anions, E300.0
1410353-002B	TW4-24_10212014	10/21/2014 1305h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-002C	TW4-24_10212014	10/21/2014 1305h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-003A	TW4-22_10212014	10/21/2014 1313h	Aqueous	Anions, E300.0
1410353-003B	TW4-22_10212014	10/21/2014 1313h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-003C	TW4-22_10212014	10/21/2014 1313h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-004A	TW4-20_10212014	10/21/2014 1322h	Aqueous	Anions, E300.0
1410353-004B	TW4-20_10212014	10/21/2014 1322h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-004C	TW4-20_10212014	10/21/2014 1322h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-005A	MW-26_10212014	10/21/2014 1328h	Aqueous	Anions, E300.0
1410353-005B	MW-26_10212014	10/21/2014 1328h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-005C	MW-26_10212014	10/21/2014 1328h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-006A	MW-04_10212014	10/21/2014 1335h	Aqueous	Anions, E300.0
1410353-006B	MW-04_10212014	10/21/2014 1335h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-006C	MW-04_10212014	10/21/2014 1335h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-007A	TW4-04_10212014	10/21/2014 1341h	Aqueous	Anions, E300.0
1410353-007B	TW4-04_10212014	10/21/2014 1341h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-007C	TW4-04_10212014	10/21/2014 1341h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-008A	TW4-19_10212014	10/21/2014 1415h	Aqueous	Anions, E300.0
1410353-008B	TW4-19_10212014	10/21/2014 1415h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-008C	TW4-19_10212014	10/21/2014 1415h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-009A	TW4-03R_10222014	10/22/2014 1008h	Aqueous	Anions, E300.0
1410353-009B	TW4-03R_10222014	10/22/2014 1008h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-009C	TW4-03R_10222014	10/22/2014 1008h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-010A	TW4-03_10232104	10/23/2014 709h	Aqueous	Anions, E300.0
1410353-010B	TW4-03_10232104	10/23/2014 709h	Aqueous	Nitrite/Nitrate (as N), E353.2

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Set ID: 1410353
Date Received: 10/24/2014 950h

3440 South 700 West
Salt Lake City, UT 84119

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
1410353-010C	TW4-03_10232104	10/23/2014 709h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-011A	TW4-12_10232014	10/23/2014 719h	Aqueous	Anions, E300.0
1410353-011B	TW4-12_10232014	10/23/2014 719h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-011C	TW4-12_10232014	10/23/2014 719h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-012A	TW4-28_10232014	10/23/2014 726h	Aqueous	Anions, E300.0
1410353-012B	TW4-28_10232014	10/23/2014 726h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-012C	TW4-28_10232014	10/23/2014 726h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-013A	TW4-32_10232014	10/23/2014 734h	Aqueous	Anions, E300.0
1410353-013B	TW4-32_10232014	10/23/2014 734h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-013C	TW4-32_10232014	10/23/2014 734h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-014A	TW4-13_10232014	10/23/2014 740h	Aqueous	Anions, E300.0
1410353-014B	TW4-13_10232014	10/23/2014 740h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-014C	TW4-13_10232014	10/23/2014 740h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-015A	TW4-14_10232014	10/23/2014 746h	Aqueous	Anions, E300.0
1410353-015B	TW4-14_10232014	10/23/2014 746h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-015C	TW4-14_10232014	10/23/2014 746h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-016A	TW4-36_10232014	10/23/2014 755h	Aqueous	Anions, E300.0
1410353-016B	TW4-36_10232014	10/23/2014 755h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-016C	TW4-36_10232014	10/23/2014 755h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-017A	TW4-27_10232014	10/23/2014 802h	Aqueous	Anions, E300.0
1410353-017B	TW4-27_10232014	10/23/2014 802h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-017C	TW4-27_10232014	10/23/2014 802h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-018A	TW4-30_10232014	10/23/2014 808h	Aqueous	Anions, E300.0
1410353-018B	TW4-30_10232014	10/23/2014 808h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-018C	TW4-30_10232014	10/23/2014 808h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-019A	TW4-65_10232014	10/23/2014 719h	Aqueous	Anions, E300.0
1410353-019B	TW4-65_10232014	10/23/2014 719h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410353-019C	TW4-65_10232014	10/23/2014 719h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-020A	TW4-60_10232014	10/23/2014 830h	Aqueous	Anions, E300.0
1410353-020B	TW4-60_10232014	10/23/2014 830h	Aqueous	Nitrite/Nitrate (as N), E353.2

Client:	Energy Fuels Resources, Inc.	**Contact:**	Garrin Palmer
Project:	4th Quarter Chloroform 2014		
Lab Set ID:	1410353		
Date Received:	10/24/2014 950h		

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1410353-020C	TW4-60_10232014	10/23/2014 830h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410353-021A	Trip Blank	10/21/2014	Aqueous	VOA by GC/MS Method 8260C/5030C

3440 South 700 West
Salt Lake City, UT 84119

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 Case Narrative

American West
ANALYTICAL LABORATORIES

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Chloroform 2014
Lab Set ID:	1410353

3440 South 700 West
Salt Lake City, UT 84119

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:	10/24/2014
Date(s) of Collection:	10/21-10/23/2014
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

Sample ID	Analyte	QC	Explanation
1410353-001B	Nitrate-Nitrite (as N)	MS/MSD	Sample matrix interference

Corrective Action: None required.

Volatile Case Narrative

American West Analytical Laboratories

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Set ID:	1410353

Sample Receipt Information:

Date of Receipt:	10/24/2014
Date(s) of Collection:	10/21-10/23/2014
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 / Laboratory Control Sample Duplicate (LCS/LCSD): All LCS and LCSD 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.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

3440 South 700 West
Salt Lake City, UT 84119
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

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1410353
Project: 4th Quarter Chloroform 2014

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-R72575	Date Analyzed: 11/02/2014 1156h												
Test Code: 300.0-W													
Chloride	5.08	mg/L	E300.0	0.00751	0.100	5.000	0	102	90 - 110				
Lab Sample ID: LCS-R72715	Date Analyzed: 11/05/2014 1535h												
Test Code: 300.0-W													
Chloride	5.14	mg/L	E300.0	0.00751	0.100	5.000	0	103	90 - 110				
Lab Sample ID: LCS-R72608	Date Analyzed: 11/03/2014 1035h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.04	mg/L	E353.2	0.00833	0.0100	1.000	0	104	90 - 110				
Lab Sample ID: LCS-R72901	Date Analyzed: 11/11/2014 1126h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.06	mg/L	E353.2	0.00833	0.0100	1.000	0	106	90 - 110				

3440 South 700 West
Salt Lake City, UT 84119
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: 1410353
Project: 4th Quarter Chloroform 2014

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: MBLK-R72575	Date Analyzed: 11/02/2014 1139h												
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00751	0.100								
Lab Sample ID: MB-R72715	Date Analyzed: 11/05/2014 1519h												
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00751	0.100								
Lab Sample ID: MB-R72608	Date Analyzed: 11/03/2014 1034h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								
Lab Sample ID: MB-R72901	Date Analyzed: 11/11/2014 1123h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
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: 1410353
Project: 4th Quarter Chloroform 2014

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: 1410353-001AMS	Date Analyzed: 11/02/2014 1229h												
Test Code: 300.0-W													
Chloride	559	mg/L	E300.0	0.751	10.0	500.0	58.1	100	90 - 110				
Lab Sample ID: 1410353-005AMS	Date Analyzed: 11/02/2014 1501h												
Test Code: 300.0-W													
Chloride	110	mg/L	E300.0	0.0751	1.00	50.00	60.1	99.4	90 - 110				
Lab Sample ID: 1410353-015AMS	Date Analyzed: 11/02/2014 1841h												
Test Code: 300.0-W													
Chloride	88.7	mg/L	E300.0	0.0751	1.00	50.00	38.9	99.7	90 - 110				
Lab Sample ID: 1410353-009AMS	Date Analyzed: 11/02/2014 2113h												
Test Code: 300.0-W													
Chloride	5.15	mg/L	E300.0	0.00751	0.100	5.000	0	103	90 - 110				
Lab Sample ID: 1410466-022AMS	Date Analyzed: 11/06/2014 018h												
Test Code: 300.0-W													
Chloride	5.08	mg/L	E300.0	0.00751	0.100	5.000	0	102	90 - 110				
Lab Sample ID: 1410353-001BMS	Date Analyzed: 11/03/2014 1038h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.86	mg/L	E353.2	0.00833	0.0100	1.000	1.03	82.7	90 - 110				1
Lab Sample ID: 1410353-011BMS	Date Analyzed: 11/03/2014 1121h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	111	mg/L	E353.2	0.833	1.00	100.0	16.1	95.3	90 - 110				
Lab Sample ID: 1411097-001DMS	Date Analyzed: 11/11/2014 1131h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.03	mg/L	E353.2	0.00833	0.0100	1.000	0	103	90 - 110				

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

American West Analytical Laboratories

3440 South 700 West
Salt Lake City, UT 84119
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: 1410353
Project: 4th Quarter Chloroform 2014

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: 1410353-001AMSD	Date Analyzed: 11/02/2014 1246h												
Test Code: 300.0-W													
Chloride	562	mg/L	E300.0	0.751	10.0	500.0	58.1	101	90 - 110	559	0.601	20	
Lab Sample ID: 1410353-005AMSD	Date Analyzed: 11/02/2014 1518h												
Test Code: 300.0-W													
Chloride	109	mg/L	E300.0	0.0751	1.00	50.00	60.1	98.0	90 - 110	110	0.660	20	
Lab Sample ID: 1410353-015AMSD	Date Analyzed: 11/02/2014 1858h												
Test Code: 300.0-W													
Chloride	88.5	mg/L	E300.0	0.0751	1.00	50.00	38.9	99.3	90 - 110	88.7	0.240	20	
Lab Sample ID: 1410353-009AMSD	Date Analyzed: 11/02/2014 2129h												
Test Code: 300.0-W													
Chloride	5.26	mg/L	E300.0	0.00751	0.100	5.000	0	105	90 - 110	5.15	2.05	20	
Lab Sample ID: 1410466-022AMSD	Date Analyzed: 11/06/2014 035h												
Test Code: 300.0-W													
Chloride	5.08	mg/L	E300.0	0.00751	0.100	5.000	0	102	90 - 110	5.08	0.115	20	
Lab Sample ID: 1410353-001BMSD	Date Analyzed: 11/03/2014 1039h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.88	mg/L	E353.2	0.00833	0.0100	1.000	1.03	85.1	90 - 110	1.86	1.28	10	1
Lab Sample ID: 1410353-011BMSD	Date Analyzed: 11/03/2014 1122h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	120	mg/L	E353.2	0.833	1.00	100.0	16.1	104	90 - 110	111	7.43	10	
Lab Sample ID: 1411097-001DMSD	Date Analyzed: 11/11/2014 1132h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.04	mg/L	E353.2	0.00833	0.0100	1.000	0	104	90 - 110	1.03	0.965	10	

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

3440 South 700 West
Salt Lake City, UT 84119
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

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1410353
Project: 4th Quarter Chloroform 2014

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-3 102714A**	Date Analyzed:	10/27/2014 727h											
Test Code: 8260-W													
Chloroform	20.0	µg/L	SW8260C	0.153	2.00	20.00	0	99.8	67 - 132				
Methylene chloride	18.9	µg/L	SW8260C	0.172	2.00	20.00	0	94.7	32 - 185				
Surr: 1,2-Dichloroethane-d4	45.3	µg/L	SW8260C			50.00		90.5	76 - 138				
Surr: 4-Bromofluorobenzene	48.5	µg/L	SW8260C			50.00		97.1	77 - 121				
Surr: Dibromofluoromethane	47.4	µg/L	SW8260C			50.00		94.7	67 - 128				
Surr: Toluene-d8	47.6	µg/L	SW8260C			50.00		95.3	81 - 135				
Lab Sample ID: **LCS VOC-3 102714B**	Date Analyzed:	10/27/2014 1911h											
Test Code: 8260-W													
Chloroform	21.1	µg/L	SW8260C	0.153	2.00	20.00	0	105	67 - 132				
Methylene chloride	19.0	µg/L	SW8260C	0.172	2.00	20.00	0	95.1	32 - 185				
Surr: 1,2-Dichloroethane-d4	49.1	µg/L	SW8260C			50.00		98.2	76 - 138				
Surr: 4-Bromofluorobenzene	50.7	µg/L	SW8260C			50.00		101	77 - 121				
Surr: Dibromofluoromethane	49.7	µg/L	SW8260C			50.00		99.4	67 - 128				
Surr: Toluene-d8	50.1	µg/L	SW8260C			50.00		100	81 - 135				

3440 South 700 West
Salt Lake City, UT 84119
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

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1410353
Project: 4th Quarter Chloroform 2014

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-3 102714A	Date Analyzed:	10/27/2014 805h											
Test Code: 8260-W													
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.504	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.153	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.163	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.172	1.00								
Surr: 1,2-Dichloroethane-d4	46.7	µg/L	SW8260C			50.00		93.3	76 - 138				
Surr: 4-Bromofluorobenzene	48.7	µg/L	SW8260C			50.00		97.4	77 - 121				
Surr: Dibromofluoromethane	46.9	µg/L	SW8260C			50.00		93.9	67 - 128				
Surr: Toluene-d8	47.5	µg/L	SW8260C			50.00		95.0	81 - 135				
Lab Sample ID: MB VOC-3 102714B	Date Analyzed:	10/27/2014 1950h											
Test Code: 8260-W													
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.504	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.153	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.163	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.172	1.00								
Surr: 1,2-Dichloroethane-d4	50.6	µg/L	SW8260C			50.00		101	76 - 138				
Surr: 4-Bromofluorobenzene	51.4	µg/L	SW8260C			50.00		103	77 - 121				
Surr: Dibromofluoromethane	49.7	µg/L	SW8260C			50.00		99.4	67 - 128				
Surr: Toluene-d8	49.1	µg/L	SW8260C			50.00		98.2	81 - 135				

American West Analytical Laboratories
3440 South 700 West
Salt Lake City, UT 84119
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: 1410353
Project: 4th Quarter Chloroform 2014

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: 1410353-001CMS	Date Analyzed:	10/27/2014 922h											
Test Code: 8260-W													
Chloroform	20.9	µg/L	SW8260C	0.153	2.00	20.00	0	104	50 - 146				
Methylene chloride	19.1	µg/L	SW8260C	0.172	2.00	20.00	0	95.5	30 - 192				
Surr: 1,2-Dichloroethane-d4	47.0	µg/L	SW8260C			50.00		94.0	72 - 151				
Surr: 4-Bromofluorobenzene	46.8	µg/L	SW8260C			50.00		93.6	80 - 128				
Surr: Dibromofluoromethane	47.5	µg/L	SW8260C			50.00		94.9	80 - 124				
Surr: Toluene-d8	47.6	µg/L	SW8260C			50.00		95.2	77 - 129				
Lab Sample ID: 1410353-013CMS	Date Analyzed:	10/27/2014 2048h											
Test Code: 8260-W													
Chloroform	19.6	µg/L	SW8260C	0.153	2.00	20.00	0	98.2	50 - 146				
Methylene chloride	18.1	µg/L	SW8260C	0.172	2.00	20.00	0	90.7	30 - 192				
Surr: 1,2-Dichloroethane-d4	50.5	µg/L	SW8260C			50.00		101	72 - 151				
Surr: 4-Bromofluorobenzene	50.8	µg/L	SW8260C			50.00		102	80 - 128				
Surr: Dibromofluoromethane	49.3	µg/L	SW8260C			50.00		98.6	80 - 124				
Surr: Toluene-d8	48.4	µg/L	SW8260C			50.00		96.7	77 - 129				

American West Analytical Laboratories

3440 South 700 West
Salt Lake City, UT 84119
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: 1410353
Project: 4th Quarter Chloroform 2014

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: 1410353-001CMSD	Date Analyzed: 10/27/2014 942h												
Test Code: 8260-W													
Chloroform	19.9	µg/L	SW8260C	0.153	2.00	20.00	0	99.6	50 - 146	20.9	4.66	25	
Methylene chloride	18.4	µg/L	SW8260C	0.172	2.00	20.00	0	92.2	30 - 192	19.1	3.52	25	
Surr: 1,2-Dichloroethane-d4	45.2	µg/L	SW8260C			50.00		90.5	72 - 151				
Surr: 4-Bromofluorobenzene	45.6	µg/L	SW8260C			50.00		91.2	80 - 128				
Surr: Dibromofluoromethane	45.4	µg/L	SW8260C			50.00		90.8	80 - 124				
Surr: Toluene-d8	44.4	µg/L	SW8260C			50.00		88.7	77 - 129				
Lab Sample ID: 1410353-013CMSD	Date Analyzed: 10/27/2014 2107h												
Test Code: 8260-W													
Chloroform	20.7	µg/L	SW8260C	0.153	2.00	20.00	0	103	50 - 146	19.6	5.26	25	
Methylene chloride	18.7	µg/L	SW8260C	0.172	2.00	20.00	0	93.6	30 - 192	18.1	3.20	25	
Surr: 1,2-Dichloroethane-d4	50.0	µg/L	SW8260C			50.00		100	72 - 151				
Surr: 4-Bromofluorobenzene	50.9	µg/L	SW8260C			50.00		102	80 - 128				
Surr: Dibromofluoromethane	48.8	µg/L	SW8260C			50.00		97.6	80 - 124				
Surr: Toluene-d8	48.6	µg/L	SW8260C			50.00		97.2	77 - 129				

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1410353**

Client: Energy Fuels Resources, Inc. Due Date: 11/4/2014

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **4th Quarter Chloroform 2014** **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	
1410353-001A	**TW4-25_10212014**	10/21/2014 1252h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1410353-001B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1410353-001C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1410353-002A	**TW4-24_10212014**	10/21/2014 1305h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1410353-002B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1410353-002C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1410353-003A	**TW4-22_10212014**	10/21/2014 1313h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1410353-003B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1410353-003C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1410353-004A	**TW4-20_10212014**	10/21/2014 1322h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1410353-004B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1410353-004C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1410353-005A	**MW-26_10212014**	10/21/2014 1328h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1410353-005B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1410353-005C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3

 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK___ HOK___ HOK___ COC Emailed______

WORK ORDER Summary

Work Order: **1410353**

Client: Energy Fuels Resources, Inc.

Due Date: 11/4/2014

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1410353-006A	**MW-04_10212014**	10/21/2014 1335h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	✓	df - wc	1
1410353-006B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		✓	df - no2/no3	
1410353-006C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		✓	VOCFridge	3
1410353-007A	**TW4-04_10212014**	10/21/2014 1341h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	✓	df - wc	1
1410353-007B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		✓	df - no2/no3	
1410353-007C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		✓	VOCFridge	3
1410353-008A	**TW4-19_10212014**	10/21/2014 1415h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	✓	df - wc	1
1410353-008B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		✓	df - no2/no3	
1410353-008C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		✓	VOCFridge	3
1410353-009A	**TW4-03R_10222014**	10/22/2014 1008h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	✓	df - wc	1
1410353-009B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		✓	df - no2/no3	
1410353-009C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		✓	VOCFridge	3
1410353-010A	**TW4-03_10232104**	10/23/2014 0709h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	✓	df - wc	1
1410353-010B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		✓	df - no2/no3	
1410353-010C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		✓	VOCFridge	3
1410353-011A	**TW4-12_10232014**	10/23/2014 0719h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	✓	df - wc	1
1410353-011B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		✓	df - no2/no3	
1410353-011C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		✓	VOCFridge	3
1410353-012A	**TW4-28_10232014**	10/23/2014 0726h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	✓	df - wc	1

WORK ORDER Summary

Work Order: **1410353**

Client: Energy Fuels Resources, Inc.

Due Date: 11/4/2014

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1410353-012B	**TW4-28_10232014**	10/23/2014 0726h	10/24/2014 0950h	**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*	Aqueous	☑	df - no2/no3	1
1410353-012C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1410353-013A	**TW4-32_10232014**	10/23/2014 0734h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1410353-013B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1410353-013C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1410353-014A	**TW4-13_10232014**	10/23/2014 0740h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1410353-014B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1410353-014C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1410353-015A	**TW4-14_10232014**	10/23/2014 0746h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1410353-015B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1410353-015C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1410353-016A	**TW4-36_10232014**	10/23/2014 0755h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1410353-016B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1410353-016C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1410353-017A	**TW4-27_10232014**	10/23/2014 0802h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1410353-017B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1410353-017C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1410353-018A	**TW4-30_10232014**	10/23/2014 0808h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1410353-018B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	

 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK___ HOK___ HOK___ COC Emailed______

WORK ORDER Summary

Work Order: **1410353**

Client: Energy Fuels Resources, Inc.

Due Date: 11/4/2014

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1410353-018C	**TW4-30_10232014**	10/23/2014 0808h	10/24/2014 0950h	**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*	Aqueous	✓	VOCFridge	3
1410353-019A	**TW4-65_10232014**	10/23/2014 0719h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	✓	df - wc	1
1410353-019B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		✓	df - no2/no3	
1410353-019C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		✓	VOCFridge	3
1410353-020A	**TW4-60_10232014**	10/23/2014 0830h	10/24/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	✓	df - wc	1
1410353-020B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		✓	df - no2/no3	
1410353-020C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*		✓	VOCFridge	3
1410353-021A	**Trip Blank**	10/21/2014	10/24/2014 0950h	**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*	Aqueous	✓	VOCFridge	3

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
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

1410353
AWAL Lab Sample Set #
Page 1 of 2

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #:
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: 4th Quarter Chloroform 2014
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	TW4-25_10212014	10/21/14	1252	5	w	x	x	x	
2	TW4-24_10212014	10/21/14	1305	5	w	x	x	x	
3	TW4-22_10212014	10/21/14	1313	5	w	x	x	x	
4	TW4-20_10212014	10/21/14	1322	5	w	x	x	x	
5	MW-26_10212014	10/21/14	1328	5	w	x	x	x	
6	MW-04_10212014	10/21/14	1335	5	w	x	x	x	
7	TW4-04_10212014	10/21/14	1341	5	w	x	x	x	
8	TW4-19_10212014	10/21/14	1415	5	w	x	x	x	
9	TW4-03R_10222014	10/22/14	1008	5	w	x	x	x	
10	TW4-03_10232104	10/23/14	709	5	w	x	x	x	
	TW4-12_10232014	10/23/14	719	5	w	x	x	x	
11	TW4-28_10232014	10/23/14	726	5	w	x	x	x	
12	TW4-32_10232014	10/23/14	734	5	w	x	x	x	

Laboratory Use Only

Samples Were: Fed Ex
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 1.1 °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:	Date/Time	Received by:	Date/Time
Signature: Garrin Palmer; Print Name: Garrin Palmer	Date: 10/23/14; Time: 1200	Signature: ; Print Name:	Date: ; Time:
Signature: ; Print Name:	Date: ; Time:	Signature: ; Print Name:	Date: ; Time:
Signature: ; Print Name:	Date: ; Time:	Signature: ; Print Name:	Date: ; Time:
Signature: ; Print Name:	Date: ; Time:	Signature: Denise Bruun; Print Name: Denise Bruun	Date: 10/24/14; Time: 9:50

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

DB 10/24/14

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.

1410353
AWAL Lab Sample Set #
Page 2 of 2

QC Level: 3
Turn Around Time: Standard
Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.
Due Date:

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #:
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: 4th Quarter Chloroform 2014
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	TW4-13_10232014	10/23/14	740	5	w	x	x	x	
2	TW4-14_10232014	10/23/14	746	5	w	x	x	x	
3	TW4-36_10232014	10/23/14	755	5	w	x	x	x	
4	TW4-27_10232014	10/23/14	802	5	w	x	x	x	
5	TW4-30_10232014	10/23/14	808	5	w	x	x	x	
6	TW4-65_10232014	10/23/14	719	5	w	x	x	x	
7	TW4-60_10232014	10/23/14	830	5	w	x	x	x	
8	Trip Blank	10/21/14		3	w			x	
9	Temp Blank			1	w				
10									
11									
12									

Laboratory Use Only
Samples Were: Fed Ex
Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 1.1 °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:	Date:	Received by:	Date:
Signature: Garrin Palmer	10/23/14	Signature:	
Print Name: Garrin Palmer	Time: 1700	Print Name:	Time:
Signature:	Date:	Signature:	Date:
Print Name:	Time:	Print Name:	Time:
Signature:	Date:	Signature:	Date:
Print Name:	Time:	Print Name:	Time:
Signature:	Date:	Signature: Denise Brunn	Date: 10/24/14
Print Name:	Time:	Print Name: Denise Brunn	Time: 9:50

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Preservation Check Sheet

Lab Sample Set #: **141353**

	-001	-002	-003	-004	-005	-006	-007	-008	-009	-010	-011	-012	-013	-014	-015	-016
NO_2/NO_3: pH <2 H_2SO_4	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

	-017	-018	-019	-020												
NO_2/NO_3: pH <2 H_2SO_4	YES	YES	YES	YES												

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014

Dear Garrin Palmer: Lab Set ID: 1410466

American West Analytical Laboratories received 23 sample(s) on 10/31/2014 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,

Kyle F. Gross

Digitally signed by Kyle F. Gross
DN: cn=Kyle F. Gross, o=American West Analytical Lab, ou=Laboratory Director, email=kyle@awal-labs.com, c=US
Date: 2014.11.13 06:43:39 -07'00'

Approved by:

Laboratory Director or designee

SAMPLE SUMMARY

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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 2014
Lab Set ID: 1410466
Date Received: 10/31/2014 950h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1410466-001A	TW4-31_10282014	10/28/2014 808h	Aqueous	Anions, E300.0
1410466-001B	TW4-31_10282014	10/28/2014 808h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-001C	TW4-31_10282014	10/28/2014 808h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-002A	TW4-34_10282014	10/28/2014 815h	Aqueous	Anions, E300.0
1410466-002B	TW4-34_10282014	10/28/2014 815h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-002C	TW4-34_10282014	10/28/2014 815h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-003A	TW4-35_10282014	10/28/2014 822h	Aqueous	Anions, E300.0
1410466-003B	TW4-35_10282014	10/28/2014 822h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-003C	TW4-35_10282014	10/28/2014 822h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-004A	TW4-23_10282014	10/28/2014 830h	Aqueous	Anions, E300.0
1410466-004B	TW4-23_10282014	10/28/2014 830h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-004C	TW4-23_10282014	10/28/2014 830h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-005A	MW-32_10292014	10/29/2014 1320h	Aqueous	Anions, E300.0
1410466-005B	MW-32_10292014	10/29/2014 1320h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-005C	MW-32_10292014	10/29/2014 1320h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-006A	TW4-26_10282014	10/28/2014 836h	Aqueous	Anions, E300.0
1410466-006B	TW4-26_10282014	10/28/2014 836h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-006C	TW4-26_10282014	10/28/2014 836h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-007A	TW4-05_10282014	10/28/2014 845h	Aqueous	Anions, E300.0
1410466-007B	TW4-05_10282014	10/28/2014 845h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-007C	TW4-05_10282014	10/28/2014 845h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-008A	TW4-18_10282014	10/28/2014 857h	Aqueous	Anions, E300.0
1410466-008B	TW4-18_10282014	10/28/2014 857h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-008C	TW4-18_10282014	10/28/2014 857h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-009A	TW4-09_10292014	10/29/2014 748h	Aqueous	Anions, E300.0
1410466-009B	TW4-09_10292014	10/29/2014 748h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-009C	TW4-09_10292014	10/29/2014 748h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-010A	TW4-33_10292014	10/29/2014 757h	Aqueous	Anions, E300.0
1410466-010B	TW4-33_10292014	10/29/2014 757h	Aqueous	Nitrite/Nitrate (as N), E353.2

American West Analytical Laboratories

3440 South 700 West
Salt Lake City, UT 84119

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
1410466-010C	TW4-33_10292014	10/29/2014 757h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-011A	TW4-08_10292014	10/29/2014 804h	Aqueous	Anions, E300.0
1410466-011B	TW4-08_10292014	10/29/2014 804h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-011C	TW4-08_10292014	10/29/2014 804h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-012A	TW4-21_10292014	10/29/2014 813h	Aqueous	Anions, E300.0
1410466-012B	TW4-21_10292014	10/29/2014 813h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-012C	TW4-21_10292014	10/29/2014 813h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-013A	TW4-29_10292014	10/29/2014 824h	Aqueous	Anions, E300.0
1410466-013B	TW4-29_10292014	10/29/2014 824h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-013C	TW4-29_10292014	10/29/2014 824h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-014A	TW4-06_10292014	10/29/2014 833h	Aqueous	Anions, E300.0
1410466-014B	TW4-06_10292014	10/29/2014 833h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-014C	TW4-06_10292014	10/29/2014 833h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-015A	TW4-16_10292014	10/29/2014 840h	Aqueous	Anions, E300.0
1410466-015B	TW4-16_10292014	10/29/2014 840h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-015C	TW4-16_10292014	10/29/2014 840h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-016A	TW4-11_10292014	10/29/2014 907h	Aqueous	Anions, E300.0
1410466-016B	TW4-11_10292014	10/29/2014 907h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-016C	TW4-11_10292014	10/29/2014 907h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-017A	TW4-01_10292014	10/29/2014 913h	Aqueous	Anions, E300.0
1410466-017B	TW4-01_10292014	10/29/2014 913h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-017C	TW4-01_10292014	10/29/2014 913h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-018A	TW4-07_10302014	10/30/2014 654h	Aqueous	Anions, E300.0
1410466-018B	TW4-07_10302014	10/30/2014 654h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-018C	TW4-07_10302014	10/30/2014 654h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-019A	TW4-10_10302014	10/30/2014 703h	Aqueous	Anions, E300.0
1410466-019B	TW4-10_10302014	10/30/2014 703h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-019C	TW4-10_10302014	10/30/2014 703h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-020A	TW4-02_10302014	10/30/2014 712h	Aqueous	Anions, E300.0
1410466-020B	TW4-02_10302014	10/30/2014 712h	Aqueous	Nitrite/Nitrate (as N), E353.2

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Set ID: 1410466
Date Received: 10/31/2014 950h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1410466-020C	TW4-02_10302014	10/30/2014 712h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-021A	TW4-70_10282014	10/28/2014 845h	Aqueous	Anions, E300.0
1410466-021B	TW4-70_10282014	10/28/2014 845h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-021C	TW4-70_10282014	10/28/2014 845h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-022A	TW4-09R-10282014	10/28/2014 916h	Aqueous	Anions, E300.0
1410466-022B	TW4-09R-10282014	10/28/2014 916h	Aqueous	Nitrite/Nitrate (as N), E353.2
1410466-022C	TW4-09R-10282014	10/28/2014 916h	Aqueous	VOA by GC/MS Method 8260C/5030C
1410466-023A	Trip Blank	10/28/2014	Aqueous	VOA by GC/MS Method 8260C/5030C

3440 South 700 West
Salt Lake City, UT 84119

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

3440 South 700 West
Salt Lake City, UT 84119

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 Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Chloroform 2014
Lab Set ID:	1410466

Sample Receipt Information:

Date of Receipt:	10/31/2014
Date(s) of Collection:	10/28-10/30/2014
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

Sample ID	Analyte	QC	Explanation
1410466-011B	Nitrate-Nitrite (as N)	MS/MSD	Sample matrix interference
1410466-021B	Nitrate-Nitrite (as N)	MS/MSD	Sample matrix interference

Corrective Action: None required.

American West
ANALYTICAL LABORATORIES

Volatile Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 4th Quarter Chloroform 2014
Lab Set ID: 1410466

3440 South 700 West
Salt Lake City, UT 84119

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: 10/31/2014
Date(s) of Collection: 10/28-10/30/2014
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 / Laboratory Control Sample Duplicate (LCS/LCSD): All LCS and LCSD recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exception: the MS and MSD percent recoveries for chloroform on sample 1410466-011C were outside of the control limits due to high analyte concentration.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

3440 South 700 West
Salt Lake City, UT 84119
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

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1410466
Project: 4th Quarter Chloroform 2014

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-R72713	Date Analyzed: 11/04/2014 1241h												
Test Code: 300.0-W													
Chloride	4.96	mg/L	E300.0	0.00751	0.100	5.000	0	99.2	90 - 110				
Lab Sample ID: LCS-R72715	Date Analyzed: 11/05/2014 1535h												
Test Code: 300.0-W													
Chloride	5.14	mg/L	E300.0	0.00751	0.100	5.000	0	103	90 - 110				
Lab Sample ID: LCS-R72610	Date Analyzed: 11/03/2014 1154h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.978	mg/L	E353.2	0.00833	0.0100	1.000	0	97.8	90 - 110				
Lab Sample ID: LCS-R72611	Date Analyzed: 11/03/2014 1249h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.958	mg/L	E353.2	0.00833	0.0100	1.000	0	95.8	90 - 110				
Lab Sample ID: LCS-R72685	Date Analyzed: 11/04/2014 1506h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.04	mg/L	E353.2	0.00833	0.0100	1.000	0	104	90 - 110				
Lab Sample ID: LCS-R72901	Date Analyzed: 11/11/2014 1126h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.06	mg/L	E353.2	0.00833	0.0100	1.000	0	106	90 - 110				

3440 South 700 West
Salt Lake City, UT 84119
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: 1410466
Project: 4th Quarter Chloroform 2014

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-R72713	Date Analyzed:	11/04/2014 1224h											
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00751	0.100								
Lab Sample ID: MB-R72715	Date Analyzed:	11/05/2014 1519h											
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00751	0.100								
Lab Sample ID: MB-R72610	Date Analyzed:	11/03/2014 1153h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								
Lab Sample ID: MB-R72611	Date Analyzed:	11/03/2014 1248h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								
Lab Sample ID: MB-R72685	Date Analyzed:	11/04/2014 1504h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								
Lab Sample ID: MB-R72901	Date Analyzed:	11/11/2014 1123h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								

3440 South 700 West
Salt Lake City, UT 84119
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

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1410466
Project: 4th Quarter Chloroform 2014

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: 1410466-012AMS	Date Analyzed:	11/04/2014 1315h											
Test Code: 300.0-W													
Chloride	756	mg/L	E300.0	0.751	10.0	500.0	252	101	90 - 110				
Lab Sample ID: 1410466-001AMS	Date Analyzed:	11/04/2014 1456h											
Test Code: 300.0-W													
Chloride	79.8	mg/L	E300.0	0.0751	1.00	50.00	30	99.5	90 - 110				
Lab Sample ID: 1410466-011AMS	Date Analyzed:	11/04/2014 1852h											
Test Code: 300.0-W													
Chloride	95.6	mg/L	E300.0	0.0751	1.00	50.00	46.7	97.9	90 - 110				
Lab Sample ID: 1410466-022AMS	Date Analyzed:	11/06/2014 018h											
Test Code: 300.0-W													
Chloride	5.08	mg/L	E300.0	0.00751	0.100	5.000	0	102	90 - 110				
Lab Sample ID: 1410466-001BMS	Date Analyzed:	11/03/2014 1216h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.1	mg/L	E353.2	0.0833	0.100	10.00	1.23	98.4	90 - 110				
Lab Sample ID: 1410466-011BMS	Date Analyzed:	11/03/2014 1225h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.75	mg/L	E353.2	0.00833	0.0100	1.000	0.914	83.6	90 - 110				1
Lab Sample ID: 1410466-021BMS	Date Analyzed:	11/03/2014 1303h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	16.8	mg/L	E353.2	0.0833	0.100	10.00	8.64	81.6	90 - 110				1
Lab Sample ID: 1410205-006CMS	Date Analyzed:	11/04/2014 1526h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	151	mg/L	E353.2	0.833	1.00	100.0	46.3	105	90 - 110				

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
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: 1410466
Project: 4th Quarter Chloroform 2014

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: 1411097-001DMS	Date Analyzed: 11/11/2014 1131h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.03	mg/L	E353.2	0.00833	0.0100	1.000	0	103	90 - 110				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
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: 1410466
Project: 4th Quarter Chloroform 2014

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: 1410466-012AMSD Date Analyzed: 11/04/2014 1332h													
Test Code: 300.0-W													
Chloride	751	mg/L	E300.0	0.751	10.0	500.0	252	99.7	90 - 110	756	0.650	20	
Lab Sample ID: 1410466-001AMSD Date Analyzed: 11/04/2014 1513h													
Test Code: 300.0-W													
Chloride	79.9	mg/L	E300.0	0.0751	1.00	50.00	30	99.8	90 - 110	79.8	0.201	20	
Lab Sample ID: 1410466-011AMSD Date Analyzed: 11/04/2014 1909h													
Test Code: 300.0-W													
Chloride	94.2	mg/L	E300.0	0.0751	1.00	50.00	46.7	95.0	90 - 110	95.6	1.52	20	
Lab Sample ID: 1410466-022AMSD Date Analyzed: 11/06/2014 035h													
Test Code: 300.0-W													
Chloride	5.08	mg/L	E300.0	0.00751	0.100	5.000	0	102	90 - 110	5.08	0.115	20	
Lab Sample ID: 1410466-001BMSD Date Analyzed: 11/03/2014 1222h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.2	mg/L	E353.2	0.0833	0.100	10.00	1.23	99.8	90 - 110	11.1	1.26	10	
Lab Sample ID: 1410466-011BMSD Date Analyzed: 11/03/2014 1226h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.78	mg/L	E353.2	0.00833	0.0100	1.000	0.914	86.9	90 - 110	1.75	1.87	10	'
Lab Sample ID: 1410466-021BMSD Date Analyzed: 11/03/2014 1305h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	16.6	mg/L	E353.2	0.0833	0.100	10.00	8.64	79.5	90 - 110	16.8	1.26	10	'
Lab Sample ID: 1410205-006CMSD Date Analyzed: 11/04/2014 1527h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	146	mg/L	E353.2	0.833	1.00	100.0	46.3	100	90 - 110	151	3.10	10	

3440 South 700 West
Salt Lake City, UT 84119
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: 1410466
Project: 4th Quarter Chloroform 2014

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: 1411097-001DMSD	Date Analyzed:	11/11/2014 1132h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.04	mg/L	E353.2	0.00833	0.0100	1.000	0	104	90 - 110	1.03	0.965	10	

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

3440 South 700 West
Salt Lake City, UT 84119
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

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1410466
Project: 4th Quarter Chloroform 2014

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-3 110414A	Date Analyzed: 11/04/2014 725h												
Test Code: 8260-W													
Chloroform	20.4	µg/L	SW8260C	0.153	2.00	20.00	0	102	67 - 132				
Methylene chloride	18.5	µg/L	SW8260C	0.172	2.00	20.00	0	92.6	32 - 185				
Surr: 1,2-Dichloroethane-d4	50.8	µg/L	SW8260C			50.00		102	76 - 138				
Surr: 4-Bromofluorobenzene	50.5	µg/L	SW8260C			50.00		101	77 - 121				
Surr: Dibromofluoromethane	50.1	µg/L	SW8260C			50.00		100	67 - 128				
Surr: Toluene-d8	49.3	µg/L	SW8260C			50.00		98.6	81 - 135				
Lab Sample ID: LCS VOC-3 110414B	Date Analyzed: 11/04/2014 1827h												
Test Code: 8260-W													
Chloroform	20.2	µg/L	SW8260C	0.153	2.00	20.00	0	101	67 - 132				
Methylene chloride	18.0	µg/L	SW8260C	0.172	2.00	20.00	0	90.3	32 - 185				
Surr: 1,2-Dichloroethane-d4	52.3	µg/L	SW8260C			50.00		105	76 - 138				
Surr: 4-Bromofluorobenzene	51.2	µg/L	SW8260C			50.00		102	77 - 121				
Surr: Dibromofluoromethane	50.9	µg/L	SW8260C			50.00		102	67 - 128				
Surr: Toluene-d8	51.0	µg/L	SW8260C			50.00		102	81 - 135				
Lab Sample ID: LCS VOC-3 110514A	Date Analyzed: 11/05/2014 721h												
Test Code: 8260-W													
Chloroform	21.0	µg/L	SW8260C	0.153	2.00	20.00	0	105	67 - 132				
Methylene chloride	17.6	µg/L	SW8260C	0.172	2.00	20.00	0	87.9	32 - 185				
Surr: 1,2-Dichloroethane-d4	54.8	µg/L	SW8260C			50.00		110	76 - 138				
Surr: 4-Bromofluorobenzene	51.5	µg/L	SW8260C			50.00		103	77 - 121				
Surr: Dibromofluoromethane	52.0	µg/L	SW8260C			50.00		104	67 - 128				
Surr: Toluene-d8	51.2	µg/L	SW8260C			50.00		102	81 - 135				

3440 South 700 West
Salt Lake City, UT 84119
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: 1410466
Project: 4th Quarter Chloroform 2014

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-3 110414A Date Analyzed: 11/04/2014 804h													
Test Code: 8260-W													
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.504	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.153	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.163	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.172	1.00								
Surr: 1,2-Dichloroethane-d4	51.3	µg/L	SW8260C			50.00		103	76 - 138				
Surr: 4-Bromofluorobenzene	51.0	µg/L	SW8260C			50.00		102	77 - 121				
Surr: Dibromofluoromethane	49.4	µg/L	SW8260C			50.00		98.9	67 - 128				
Surr: Toluene-d8	48.4	µg/L	SW8260C			50.00		96.8	81 - 135				
Lab Sample ID: MB VOC-3 110414B Date Analyzed: 11/04/2014 1906h													
Test Code: 8260-W													
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.504	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.153	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.163	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.172	1.00								
Surr: 1,2-Dichloroethane-d4	53.9	µg/L	SW8260C			50.00		108	76 - 138				
Surr: 4-Bromofluorobenzene	53.0	µg/L	SW8260C			50.00		106	77 - 121				
Surr: Dibromofluoromethane	52.1	µg/L	SW8260C			50.00		104	67 - 128				
Surr: Toluene-d8	51.6	µg/L	SW8260C			50.00		103	81 - 135				
Lab Sample ID: MB VOC-3 110514A Date Analyzed: 11/05/2014 759h													
Test Code: 8260-W													
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.504	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.153	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.163	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.172	1.00								
Surr: 1,2-Dichloroethane-d4	55.8	µg/L	SW8260C			50.00		112	76 - 138				
Surr: 4-Bromofluorobenzene	53.2	µg/L	SW8260C			50.00		106	77 - 121				

3440 South 700 West
Salt Lake City, UT 84119
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: 1410466
Project: 4th Quarter Chloroform 2014

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-3 110514A	Date Analyzed:	11/05/2014 759h											
Test Code: 8260-W													
Surr: Dibromofluoromethane	52.7	µg/L	SW8260C			50.00		105	67 - 128				
Surr: Toluene-d8	51.4	µg/L	SW8260C			50.00		103	81 - 135				

3440 South 700 West
Salt Lake City, UT 84119
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

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1410466
Project: 4th Quarter Chloroform 2014

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: 1410466-002CMS	Date Analyzed:	11/04/2014 1216h											
Test Code: 8260-W													
Chloroform	20.2	µg/L	SW8260C	0.153	2.00	20.00	0	101	50 - 146				
Methylene chloride	18.3	µg/L	SW8260C	0.172	2.00	20.00	0	91.6	30 - 192				
Surr: 1,2-Dichloroethane-d4	51.6	µg/L	SW8260C			50.00		103	72 - 151				
Surr: 4-Bromofluorobenzene	50.1	µg/L	SW8260C			50.00		100	80 - 128				
Surr: Dibromofluoromethane	51.2	µg/L	SW8260C			50.00		102	80 - 124				
Surr: Toluene-d8	51.0	µg/L	SW8260C			50.00		102	77 - 129				
Lab Sample ID: 1410466-011CMS	Date Analyzed:	11/04/2014 1944h											
Test Code: 8260-W													
Chloroform	225	µg/L	SW8260C	0.153	2.00	20.00	191	175	50 - 146				2
Methylene chloride	18.9	µg/L	SW8260C	0.172	2.00	20.00	0	94.4	30 - 192				
Surr: 1,2-Dichloroethane-d4	53.1	µg/L	SW8260C			50.00		106	72 - 151				
Surr: 4-Bromofluorobenzene	51.3	µg/L	SW8260C			50.00		103	80 - 128				
Surr: Dibromofluoromethane	51.9	µg/L	SW8260C			50.00		104	80 - 124				
Surr: Toluene-d8	50.4	µg/L	SW8260C			50.00		101	77 - 129				
Lab Sample ID: 1410466-012CMS	Date Analyzed:	11/05/2014 936h											
Test Code: 8260-W													
Chloroform	425	µg/L	SW8260C	1.53	20.0	200.0	229	98.4	50 - 146				
Methylene chloride	177	µg/L	SW8260C	1.72	20.0	200.0	0	88.4	30 - 192				
Surr: 1,2-Dichloroethane-d4	567	µg/L	SW8260C			500.0		113	72 - 151				
Surr: 4-Bromofluorobenzene	539	µg/L	SW8260C			500.0		108	80 - 128				
Surr: Dibromofluoromethane	534	µg/L	SW8260C			500.0		107	80 - 124				
Surr: Toluene-d8	520	µg/L	SW8260C			500.0		104	77 - 129				

[2] - *Analyte concentration is too high for accurate matrix spike recovery.*

3440 South 700 West
Salt Lake City, UT 84119
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

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1410466
Project: 4th Quarter Chloroform 2014

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: 1410466-002CMSD	Date Analyzed: 11/04/2014 1235h												
Test Code: 8260-W													
Chloroform	21.4	µg/L	SW8260C	0.153	2.00	20.00	0	107	50 - 146	20.2	5.73	25	
Methylene chloride	19.3	µg/L	SW8260C	0.172	2.00	20.00	0	96.3	30 - 192	18.3	5.00	25	
Surr: 1,2-Dichloroethane-d4	52.4	µg/L	SW8260C			50.00		105	72 - 151				
Surr: 4-Bromofluorobenzene	52.1	µg/L	SW8260C			50.00		104	80 - 128				
Surr: Dibromofluoromethane	51.3	µg/L	SW8260C			50.00		103	80 - 124				
Surr: Toluene-d8	50.8	µg/L	SW8260C			50.00		102	77 - 129				
Lab Sample ID: 1410466-011CMSD	Date Analyzed: 11/04/2014 2004h												
Test Code: 8260-W													
Chloroform	221	µg/L	SW8260C	0.153	2.00	20.00	191	154	50 - 146	225	1.91	25	2
Methylene chloride	18.8	µg/L	SW8260C	0.172	2.00	20.00	0	93.9	30 - 192	18.9	0.584	25	
Surr: 1,2-Dichloroethane-d4	53.6	µg/L	SW8260C			50.00		107	72 - 151				
Surr: 4-Bromofluorobenzene	51.3	µg/L	SW8260C			50.00		103	80 - 128				
Surr: Dibromofluoromethane	52.0	µg/L	SW8260C			50.00		104	80 - 124				
Surr: Toluene-d8	50.8	µg/L	SW8260C			50.00		102	77 - 129				
Lab Sample ID: 1410466-012CMSD	Date Analyzed: 11/05/2014 955h												
Test Code: 8260-W													
Chloroform	451	µg/L	SW8260C	1.53	20.0	200.0	229	111	50 - 146	425	5.89	25	
Methylene chloride	183	µg/L	SW8260C	1.72	20.0	200.0	0	91.3	30 - 192	177	3.23	25	
Surr: 1,2-Dichloroethane-d4	570	µg/L	SW8260C			500.0		114	72 - 151				
Surr: 4-Bromofluorobenzene	528	µg/L	SW8260C			500.0		106	80 - 128				
Surr: Dibromofluoromethane	542	µg/L	SW8260C			500.0		108	80 - 124				
Surr: Toluene-d8	524	µg/L	SW8260C			500.0		105	77 - 129				

2 - Analyte concentration is too high for accurate matrix spike recovery.

American West Analytical Laboratories

WORK ORDER Summary

Work Order: **1410466**

Client: Energy Fuels Resources, Inc. Due Date: 11/11/2014

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **4th Quarter Chloroform 2014** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). RL of 1 ppm for Chloride and VOC and 0.1 ppm for NO2/NO3. Expected levels provided by client - see Jenn. J-flag what we can't meet. EIM Locus and EDD-Denison. Email Group.;

DB

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1410466-001A	**TW4-31_10282014**	10/28/2014 0808h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-001B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-001C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-002A	**TW4-34_10282014**	10/28/2014 0815h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-002B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-002C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-003A	**TW4-35_10282014**	10/28/2014 0822h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-003B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-003C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-004A	**TW4-23_10282014**	10/28/2014 0830h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-004B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-004C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-005A	**MW-32_10292014**	10/29/2014 1320h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-005B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-005C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-006A	**TW4-26_10282014**	10/28/2014 0836h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1

 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☑ RT ☑ CN ☑ TAT ☑ QC ☑ HOK_____ HOK_____ HOK_____ COC Emailed________

WORK ORDER Summary

Client: Energy Fuels Resources, Inc.

Due Date: 11/11/2014

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1410466-006B	**TW4-26_10282014**	10/28/2014 0836h	10/31/2014 0950h	**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*	Aqueous		df - no2/no3	1
1410466-006C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-007A	**TW4-05_10282014**	10/28/2014 0845h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-007B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-007C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-008A	**TW4-18_10282014**	10/28/2014 0857h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-008B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-008C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-009A	**TW4-09_10292014**	10/29/2014 0748h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-009B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-009C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-010A	**TW4-33_10292014**	10/29/2014 0757h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-010B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-010C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-011A	**TW4-08_1292014**	10/29/2014 0804h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-011B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-011C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-012A	**TW4-21_10292014**	10/29/2014 0813h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-012B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	

WORK ORDER Summary

Work Order: **1410466**

Client: Energy Fuels Resources, Inc.

Due Date: 11/11/2014

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1410466-012C	**TW4-21_10292014**	10/29/2014 0813h	10/31/2014 0950h	**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*	Aqueous		VOCFridge	3
1410466-013A	**TW4-29_10292014**	10/29/2014 0824h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-013B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-013C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-014A	**TW4-06_10292014**	10/29/2014 0833h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-014B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-014C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-015A	**TW4-16_10292014**	10/29/2014 0840h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-015B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-015C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-016A	**TW4-11_10292014**	10/29/2014 0907h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-016B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-016C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-017A	**TW4-01_10292014**	10/29/2014 0913h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-017B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-017C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-018A	**TW4-07_10302014**	10/30/2014 0654h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-018B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-018C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3

 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed________

WORK ORDER Summary

Work Order: **1410466**

Client: Energy Fuels Resources, Inc.

Due Date: 11/11/2014

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1410466-019A	**TW4-10_10302014**	10/30/2014 0703h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-019B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-019C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-020A	**TW4-02_10302014**	10/30/2014 0712h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-020B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-020C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-021A	**TW4-70_10282014**	10/28/2014 0845h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-021B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-021C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-022A	**TW4-09R-10282014**	10/28/2014 0916h	10/31/2014 0950h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1410466-022B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1410466-022C				**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1410466-023A	**Trip Blank**	10/28/2014	10/31/2014 0950h	**8260-W** *Test Group: 8260-W-Custom; # of Analytes: 4 / # of Surr: 4*	Aqueous		VOCFridge	3

American West Analytical Laboratories

463 W. 3600 S. Salt Lake City, UT 84115
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.

1410486 DB 10/31/14
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 2014
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	TW4-31_10282014	10/28/14	808	5	W	X	X	X	
2	TW4-34_10282014	10/28/14	815	5	W	X	X	X	
3	TW4-35_10282014	10/28/14	822	5	W	X	X	X	
4	TW4-23_10282014	10/28/14	830	5	W	X	X	X	
5	MW-32_10292014	10/29/14	1320	5	W	X	X	X	
6	TW4-26_10282014	10/28/14	836	5	W	X	X	X	
7	TW4-05_10282014	10/28/14	845	5	W	X	X	X	
8	TW4-18_10282014	10/28/14	857	5	W	X	X	X	
9	TW4-09_10292014	10/29/14	748	5	W	X	X	X	
10	TW4-33_10292014	10/29/14	757	5	W	X	X	X	
	TW4-08_10292014	10/29/14	804	5	W	X	X	X	
11	TW4-21_10292014	10/29/14	813	5	W	X	X	X	
12	TW4-29_10292014	10/29/14	824	5	W	X	X	X	

Laboratory Use Only

Samples Were: FedEx
1. Shipped or hand delivered
2. Ambient or Chilled
3. Temperature 2.3 °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:	Date/Time	Received by:	Date/Time
Signature: Tanner Holliday; Print Name: Tanner Holliday	Date: 10/30/2014; Time: 1100	Signature: ; Print Name:	Date: ; Time:
Signature: ; Print Name:	Date: ; Time:	Signature: ; Print Name:	Date: ; Time:
Signature: ; Print Name:	Date: ; Time:	Signature: ; Print Name:	Date: ; Time:
Signature: ; Print Name:	Date: ; Time:	Signature: Denise Brown; Print Name: Denise Brown	Date: 10/31/14; Time: 9:50

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

DB 10/31/14

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.

1410466
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 2014
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	TW4-06_10292014	10/29/14	833	5	W	X	X	X	
2	TW4-16_10292014	10/29/14	840	5	W	X	X	X	
3	TW4-11_10292014	10/29/14	907	5	W	X	X	X	
4	TW4-01_10292014	10/29/14	913	5	W	X	X	X	
5	TW4-07_10302014	10/30/14	654	5	W	X	X	X	
6	TW4-10_10302014	10/30/14	703	5	W	X	X	X	
7	TW4-02_10302014	10/30/14	712	5	W	X	X	X	
8	TW4-70_10282014	10/28/14	845	5	W	X	X	X	
9	TW4-09R_10282014	10/28/14	916	5	W	X	X	X	
10	TRIP BLANK	10/28/14		3	W			X	
	TEMP BLANK	10/30/14		1	W				
11									
12									

Laboratory Use Only

Samples Were: Fed Ex
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 2.3 °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:	Date/Time	Received by:	Date/Time
Signature: Tanner Holliday Print Name: Tanner Holliday	Date: 10/30/2014 Time: 1100	Signature: Print Name:	Date: Time:
Signature: Print Name:	Date: Time:	Signature: Print Name:	Date: Time:
Signature: Print Name:	Date: Time:	Signature: Print Name:	Date: Time:
Signature: Print Name:	Date: Time:	Signature: Denise Brown Print Name: Denise Brown	Date: 10/31/14 Time: 9:50

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

DB 10/31/14

Preservation Check Sheet

Lab Sample Set #: **1410466**

	-001	-002	-003	-004	-005	-006	-007	-008	-009	-010	-011	-012	-013	-014	-015	-016
NO_2/NO_3: pH <2 H_2SO_4	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

	-017	018	-019	-020	-021	-022										
NO_2/NO_3: pH <2 H_2SO_4	YES	YES	YES	YES	YES	YES										

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		--	2000		N/A	6.63		N/A	15.20		N/A	108		N/A	3		N/A
TW4-01	27.62	66.00	55	OK	2128	2130	0.09	5.94	5.94	0.00	14.98	14.97	0.07	268	266	0.75	41	42	2.41
TW4-02	33.89	55.00	68	Pumped Dry	3586	3610	0.67	6.49	6.52	0.46	13.70	13.79	0.65	NM		NC	NM		NC
TW4-03	56.30	88.00	113	Pumped Dry	1667	1659	0.48	6.15	6.17	0.32	14.70	14.70	0.00	NM		NC	NM		NC
TW4-04	NA	Continuously pumped well		--	2303		N/A	6.69		N/A	15.55		N/A	96		N/A	22.1		N/A
TW4-05	36.86	88.00	74	OK	1478	1474	0.27	6.17	6.22	0.81	15.42	15.40	0.13	235	236	0.42	14.8	14.9	0.67
TW4-06	17.89	25.66	36	Pumped Dry	3184	3187	0.09	6.65	6.64	0.15	13.67	13.65	0.15	NM		NC	NM		NC
TW4-07	33.56	66.00	67	Pumped Dry	1638	1637	0.06	7.04	7.01	0.43	14.87	14.85	0.13	NM		NC	NM		NC
TW4-08	38.00	77.00	76	OK	4053	4010	1.07	6.31	6.31	0.00	14.97	14.99	0.13	181	178	1.67	0.6	0.6	0.00
TW4-09	38.10	88.00	76	OK	2389	2389	0.00	6.30	6.30	0.00	14.90	14.90	0.00	341	339	0.59	6.9	7.0	1.44
TW4-10	32.37	47.66	65	Pumped Dry	2454	2503	1.98	6.35	6.31	0.63	13.99	14.04	0.36	NM		NC	NM		NC
TW4-11	25.99	55.00	52	OK	1720	1721	0.06	6.31	6.30	0.16	14.58	14.59	0.07	244	243	0.41	8.7	8.8	1.14
TW4-12	37.69	88.00	75	OK	1306	1306	0.00	6.62	6.64	0.30	14.91	14.93	0.13	193	194	0.52	16.0	15.0	6.45
TW4-13	35.02	49.50	70	Pumped Dry	1829	1840	0.60	6.83	6.81	0.29	13.45	13.47	0.15	NM		NC	NM		NC
TW4-14	6.67	8.25	13	Pumped Dry	4681	4697	0.34	6.81	6.79	0.29	13.87	13.90	0.22	NM		NC	NM		NC
MW-26	NA	Continuously pumped well		--	3526		N/A	6.37		N/A	15.18		N/A	120		N/A	1.5		N/A
TW4-16	49.62	110.00	99	OK	3972	3964	0.20	6.23	6.23	0.00	14.90	14.91	0.07	250	240	4.08	12.0	12.0	0.00
MW-32	36.74	78.12	73	OK	3783	3783	0.00	6.17	6.15	0.32	14.62	14.65	0.20	102	101	0.99	0	0	0.00
TW4-18	47.57	110.00	95	OK	1478	1463	1.02	6.15	6.15	0.00	15.52	15.52	0.00	253	252	0.40	29	29	0.00
TW4-19	NA	Continuously pumped well		--	2929		N/A	6.44		N/A	15.94		N/A	105		N/A	0		N/A
TW4-20	NA	Continuously pumped well		--	4162		N/A	6.05		N/A	16.03		N/A	142		N/A	2.0		N/A
TW4-21	35.61	88.00	71	OK	4095	4091	0.10	6.42	6.42	0.00	16.25	16.25	0.00	251	250	0.40	0	0	0.00
TW4-22	NA	Continuously pumped well		--	5992		N/A	6.40		N/A	15.55		N/A	174		N/A	3		N/A
TW4-23	30.85	77.00	62	OK	3609	3605	0.11	6.05	6.10	0.82	14.37	14.37	0.00	101	100	1.00	12.8	12.5	2.37
TW4-24	NA	Continuously pumped well		--	8998		N/A	6.35		N/A	15.28		N/A	182		N/A	1.5		N/A
TW4-25	NA	Continuously pumped well		--	2614		N/A	6.35		N/A	15.95		N/A	290		N/A	0		N/A
TW4-26	14.14	18.33	28	Pumped Dry	6295	6299	0.06	4.09	4.07	0.49	13.46	13.50	0.30	NM		NC	NM		NC
TW4-27	10.23	11.00	20	Pumped Dry	5263	5274	0.21	6.54	6.52	0.31	13.92	13.98	0.43	NM		NC	NM		NC
TW4-28	44.89	77.00	90	Pumped Dry	1243	1240	0.24	6.66	6.68	0.30	13.65	13.70	0.37	NM		NC	NM		NC
TW4-29	13.68	16.50	27	Pumped Dry	4144	4149	0.12	6.68	6.65	0.45	13.95	13.97	0.14	NM		NC	NM		NC
TW4-30	10.33	14.66	21	Pumped Dry	4454	4450	0.09	5.25	5.24	0.19	13.90	13.89	0.07	NM		NC	NM		NC
TW4-31	15.95	19.25	32	Pumped Dry	4683	4695	0.26	6.53	6.52	0.15	15.05	15.03	0.13	NM		NC	NM		NC
TW4-32	42.54	88.00	85	OK	7760	7786	0.33	3.38	3.36	0.59	14.79	14.77	0.14	399	399	0.00	7.9	7.9	0.00
TW4-33	10.97	11.00	22	Pumped Dry	4297	4308	0.26	6.69	6.68	0.15	14.54	14.60	0.41	NM		NC	NM		NC
TW4-34	17.59	27.50	35	Pumped Dry	3860	3863	0.08	6.61	6.61	0.00	13.71	13.76	0.36	NM		NC	NM		NC
TW4-35	8.75	1.00	18	Pumped Dry	4292	4297	0.12	6.28	6.24	0.64	13.84	13.87	0.22	NM		NC	NM		NC
TW4-36	27.26	33.00	55	Pumped Dry	2413	2430	0.70	6.55	6.52	0.46	13.53	13.59	0.44	NM		NC	NM		NC

MW-4, TW4-4, MW-26, TW4-19, TW4-20, TW4-22, TW4-24, and TW4-25 are continually pumped wells. TW4-22, TW4-24, and TW4-25 are pumped under the nitrate program.

TW4-02, TW4-03, TW4-06, TW4-07, TW4-10, TW4-13, TW4-14, TW4-26, TW4-27, TW4-28, TW4-29, TW4-30, TW4-31, TW4-33, TW4-34, TW4-35, and TW4-36 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	10/23/2014	10/27/2014	4	14	OK
Trip Blank	Chloroform	10/23/2014	10/27/2014	4	14	OK
Trip Blank	Chloromethane	10/23/2014	10/27/2014	4	14	OK
Trip Blank	Methylene chloride	10/23/2014	10/27/2014	4	14	OK
Trip Blank	Carbon tetrachloride	10/28/2014	11/5/2014	8	14	OK
Trip Blank	Chloroform	10/28/2014	11/5/2014	8	14	OK
Trip Blank	Chloromethane	10/28/2014	11/5/2014	8	14	OK
Trip Blank	Methylene chloride	10/28/2014	11/5/2014	8	14	OK
MW-04	Chloride	10/21/2014	11/2/2014	12	28	OK
MW-04	Carbon tetrachloride	10/21/2014	10/27/2014	6	14	OK
MW-04	Chloroform	10/21/2014	10/28/2014	7	14	OK
MW-04	Chloromethane	10/21/2014	10/27/2014	6	14	OK
MW-04	Methylene chloride	10/21/2014	10/27/2014	6	14	OK
MW-04	Nitrate/Nitrite (as N)	10/21/2014	11/3/2014	13	28	OK
TW4-01	Chloride	10/29/2014	11/4/2014	6	28	OK
TW4-01	Carbon tetrachloride	10/29/2014	11/4/2014	6	14	OK
TW4-01	Chloroform	10/29/2014	11/5/2014	7	14	OK
TW4-01	Chloromethane	10/29/2014	11/4/2014	6	14	OK
TW4-01	Methylene chloride	10/29/2014	11/4/2014	6	14	OK
TW4-01	Nitrate/Nitrite (as N)	10/29/2014	11/3/2014	5	28	OK
TW4-02	Chloride	10/30/2014	11/4/2014	5	28	OK
TW4-02	Carbon tetrachloride	10/30/2014	11/5/2014	6	14	OK
TW4-02	Chloroform	10/30/2014	11/5/2014	6	14	OK
TW4-02	Chloromethane	10/30/2014	11/5/2014	6	14	OK
TW4-02	Methylene chloride	10/30/2014	11/5/2014	6	14	OK
TW4-02	Nitrate/Nitrite (as N)	10/30/2014	11/3/2014	4	28	OK
TW4-03	Chloride	10/23/2014	11/2/2014	10	28	OK
TW4-03	Carbon tetrachloride	10/23/2014	10/27/2014	4	14	OK
TW4-03	Chloroform	10/23/2014	10/27/2014	4	14	OK
TW4-03	Chloromethane	10/23/2014	10/27/2014	4	14	OK
TW4-03	Methylene chloride	10/23/2014	10/27/2014	4	14	OK
TW4-03	Nitrate/Nitrite (as N)	10/23/2014	11/3/2014	11	28	OK
TW4-03R	Chloride	10/22/2014	11/2/2014	11	28	OK
TW4-03R	Carbon tetrachloride	10/22/2014	10/28/2014	6	14	OK
TW4-03R	Chloroform	10/22/2014	10/28/2014	6	14	OK
TW4-03R	Chloromethane	10/22/2014	10/28/2014	6	14	OK
TW4-03R	Methylene chloride	10/22/2014	10/28/2014	6	14	OK
TW4-03R	Nitrate/Nitrite (as N)	10/22/2014	11/3/2014	12	28	OK
TW4-04	Chloride	10/21/2014	11/2/2014	12	28	OK
TW4-04	Carbon tetrachloride	10/21/2014	10/27/2014	6	14	OK
TW4-04	Chloroform	10/21/2014	10/28/2014	7	14	OK
TW4-04	Chloromethane	10/21/2014	10/27/2014	6	14	OK
TW4-04	Methylene chloride	10/21/2014	10/27/2014	6	14	OK
TW4-04	Nitrate/Nitrite (as N)	10/21/2014	11/3/2014	13	28	OK
TW4-05	Chloride	10/28/2014	11/4/2014	7	28	OK
TW4-05	Carbon tetrachloride	10/28/2014	11/4/2014	7	14	OK
TW4-05	Chloroform	10/28/2014	11/4/2014	7	14	OK
TW4-05	Chloromethane	10/28/2014	11/4/2014	7	14	OK
TW4-05	Methylene chloride	10/28/2014	11/4/2014	7	14	OK
TW4-05	Nitrate/Nitrite (as N)	10/28/2014	11/3/2014	6	28	OK
TW4-06	Chloride	10/29/2014	11/4/2014	6	28	OK
TW4-06	Carbon tetrachloride	10/29/2014	11/4/2014	6	14	OK
TW4-06	Chloroform	10/29/2014	11/5/2014	7	14	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	Chloromethane	10/29/2014	11/4/2014	6	14	OK
TW4-06	Methylene chloride	10/29/2014	11/4/2014	6	14	OK
TW4-06	Nitrate/Nitrite (as N)	10/29/2014	11/3/2014	5	28	OK
TW4-07	Chloride	10/30/2014	11/4/2014	5	28	OK
TW4-07	Carbon tetrachloride	10/30/2014	11/4/2014	5	14	OK
TW4-07	Chloroform	10/30/2014	11/5/2014	6	14	OK
TW4-07	Chloromethane	10/30/2014	11/4/2014	5	14	OK
TW4-07	Methylene chloride	10/30/2014	11/4/2014	5	14	OK
TW4-07	Nitrate/Nitrite (as N)	10/30/2014	11/3/2014	4	28	OK
TW4-08	Chloride	10/29/2014	11/4/2014	6	28	OK
TW4-08	Carbon tetrachloride	10/29/2014	11/4/2014	6	14	OK
TW4-08	Chloroform	10/29/2014	11/4/2014	6	14	OK
TW4-08	Chloromethane	10/29/2014	11/4/2014	6	14	OK
TW4-08	Methylene chloride	10/29/2014	11/4/2014	6	14	OK
TW4-08	Nitrate/Nitrite (as N)	10/29/2014	11/3/2014	5	28	OK
TW4-09	Chloride	10/29/2014	11/4/2014	6	28	OK
TW4-09	Carbon tetrachloride	10/29/2014	11/4/2014	6	14	OK
TW4-09	Chloroform	10/29/2014	11/4/2014	6	14	OK
TW4-09	Chloromethane	10/29/2014	11/4/2014	6	14	OK
TW4-09	Methylene chloride	10/29/2014	11/4/2014	6	14	OK
TW4-09	Nitrate/Nitrite (as N)	10/29/2014	11/3/2014	5	28	OK
TW4-09R	Chloride	10/28/2014	11/6/2014	9	28	OK
TW4-09R	Carbon tetrachloride	10/28/2014	11/5/2014	8	14	OK
TW4-09R	Chloroform	10/28/2014	11/5/2014	8	14	OK
TW4-09R	Chloromethane	10/28/2014	11/5/2014	8	14	OK
TW4-09R	Methylene chloride	10/28/2014	11/5/2014	8	14	OK
TW4-09R	Nitrate/Nitrite (as N)	10/28/2014	11/11/2014	14	28	OK
TW4-10	Chloride	10/30/2014	11/4/2014	5	28	OK
TW4-10	Carbon tetrachloride	10/30/2014	11/4/2014	5	14	OK
TW4-10	Chloroform	10/30/2014	11/5/2014	6	14	OK
TW4-10	Chloromethane	10/30/2014	11/4/2014	5	14	OK
TW4-10	Methylene chloride	10/30/2014	11/4/2014	5	14	OK
TW4-10	Nitrate/Nitrite (as N)	10/30/2014	11/3/2014	4	28	OK
TW4-11	Chloride	10/29/2014	11/4/2014	6	28	OK
TW4-11	Carbon tetrachloride	10/29/2014	11/4/2014	6	14	OK
TW4-11	Chloroform	10/29/2014	11/5/2014	7	14	OK
TW4-11	Chloromethane	10/29/2014	11/4/2014	6	14	OK
TW4-11	Methylene chloride	10/29/2014	11/4/2014	6	14	OK
TW4-11	Nitrate/Nitrite (as N)	10/29/2014	11/3/2014	5	28	OK
TW4-12	Chloride	10/23/2014	11/2/2014	10	28	OK
TW4-12	Carbon tetrachloride	10/23/2014	10/28/2014	5	14	OK
TW4-12	Chloroform	10/23/2014	10/28/2014	5	14	OK
TW4-12	Chloromethane	10/23/2014	10/28/2014	5	14	OK
TW4-12	Methylene chloride	10/23/2014	10/28/2014	5	14	OK
TW4-12	Nitrate/Nitrite (as N)	10/23/2014	11/3/2014	11	28	OK
TW4-13	Chloride	10/23/2014	11/2/2014	10	28	OK
TW4-13	Carbon tetrachloride	10/23/2014	10/27/2014	4	14	OK
TW4-13	Chloroform	10/23/2014	10/27/2014	4	14	OK
TW4-13	Chloromethane	10/23/2014	10/27/2014	4	14	OK
TW4-13	Methylene chloride	10/23/2014	10/27/2014	4	14	OK
TW4-13	Nitrate/Nitrite (as N)	10/23/2014	11/3/2014	11	28	OK
TW4-14	Chloride	10/23/2014	11/2/2014	10	28	OK
TW4-14	Carbon tetrachloride	10/23/2014	10/27/2014	4	14	OK

I-2: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-14	Chloroform	10/23/2014	10/27/2014	4	14	OK
TW4-14	Chloromethane	10/23/2014	10/27/2014	4	14	OK
TW4-14	Methylene chloride	10/23/2014	10/27/2014	4	14	OK
TW4-14	Nitrate/Nitrite (as N)	10/23/2014	11/3/2014	11	28	OK
MW-26	Chloride	10/21/2014	11/2/2014	12	28	OK
MW-26	Carbon tetrachloride	10/21/2014	10/27/2014	6	14	OK
MW-26	Chloroform	10/21/2014	10/28/2014	7	14	OK
MW-26	Chloromethane	10/21/2014	10/27/2014	6	14	OK
MW-26	Methylene chloride	10/21/2014	10/27/2014	6	14	OK
MW-26	Nitrate/Nitrite (as N)	10/21/2014	11/3/2014	13	28	OK
TW4-16	Chloride	10/29/2014	11/4/2014	6	28	OK
TW4-16	Carbon tetrachloride	10/29/2014	11/4/2014	6	14	OK
TW4-16	Chloroform	10/29/2014	11/5/2014	7	14	OK
TW4-16	Chloromethane	10/29/2014	11/4/2014	6	14	OK
TW4-16	Methylene chloride	10/29/2014	11/4/2014	6	14	OK
TW4-16	Nitrate/Nitrite (as N)	10/29/2014	11/3/2014	5	28	OK
MW-32	Chloride	10/29/2014	11/4/2014	6	28	OK
MW-32	Carbon tetrachloride	10/29/2014	11/4/2014	6	14	OK
MW-32	Chloroform	10/29/2014	11/4/2014	6	14	OK
MW-32	Chloromethane	10/29/2014	11/4/2014	6	14	OK
MW-32	Methylene chloride	10/29/2014	11/4/2014	6	14	OK
MW-32	Nitrate/Nitrite (as N)	10/29/2014	11/11/2014	13	28	OK
TW4-18	Chloride	10/28/2014	11/4/2014	7	28	OK
TW4-18	Carbon tetrachloride	10/28/2014	11/4/2014	7	14	OK
TW4-18	Chloroform	10/28/2014	11/4/2014	7	14	OK
TW4-18	Chloromethane	10/28/2014	11/4/2014	7	14	OK
TW4-18	Methylene chloride	10/28/2014	11/4/2014	7	14	OK
TW4-18	Nitrate/Nitrite (as N)	10/28/2014	11/3/2014	6	28	OK
TW4-19	Chloride	10/21/2014	11/2/2014	12	28	OK
TW4-19	Carbon tetrachloride	10/21/2014	10/27/2014	6	14	OK
TW4-19	Chloroform	10/21/2014	10/28/2014	7	14	OK
TW4-19	Chloromethane	10/21/2014	10/27/2014	6	14	OK
TW4-19	Methylene chloride	10/21/2014	10/27/2014	6	14	OK
TW4-19	Nitrate/Nitrite (as N)	10/21/2014	11/3/2014	13	28	OK
TW4-20	Chloride	10/21/2014	11/2/2014	12	28	OK
TW4-20	Carbon tetrachloride	10/21/2014	10/27/2014	6	14	OK
TW4-20	Chloroform	10/21/2014	10/28/2014	7	14	OK
TW4-20	Chloromethane	10/21/2014	10/27/2014	6	14	OK
TW4-20	Methylene chloride	10/21/2014	10/27/2014	6	14	OK
TW4-20	Nitrate/Nitrite (as N)	10/21/2014	11/3/2014	13	28	OK
TW4-21	Chloride	10/29/2014	11/4/2014	6	28	OK
TW4-21	Carbon tetrachloride	10/29/2014	11/4/2014	6	14	OK
TW4-21	Chloroform	10/29/2014	11/5/2014	7	14	OK
TW4-21	Chloromethane	10/29/2014	11/4/2014	6	14	OK
TW4-21	Methylene chloride	10/29/2014	11/4/2014	6	14	OK
TW4-21	Nitrate/Nitrite (as N)	10/29/2014	11/3/2014	5	28	OK
TW4-22	Chloride	10/21/2014	11/2/2014	12	28	OK
TW4-22	Carbon tetrachloride	10/21/2014	10/27/2014	6	14	OK
TW4-22	Chloroform	10/21/2014	10/28/2014	7	14	OK
TW4-22	Chloromethane	10/21/2014	10/27/2014	6	14	OK
TW4-22	Methylene chloride	10/21/2014	10/27/2014	6	14	OK
TW4-22	Nitrate/Nitrite (as N)	10/21/2014	11/3/2014	13	28	OK
TW4-23	Chloride	10/28/2014	11/4/2014	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	10/28/2014	11/4/2014	7	14	OK
TW4-23	Chloroform	10/28/2014	11/4/2014	7	14	OK
TW4-23	Chloromethane	10/28/2014	11/4/2014	7	14	OK
TW4-23	Methylene chloride	10/28/2014	11/4/2014	7	14	OK
TW4-23	Nitrate/Nitrite (as N)	10/28/2014	11/11/2014	14	28	OK
TW4-24	Chloride	10/21/2014	11/2/2014	12	28	OK
TW4-24	Carbon tetrachloride	10/21/2014	10/27/2014	6	14	OK
TW4-24	Chloroform	10/21/2014	10/27/2014	6	14	OK
TW4-24	Chloromethane	10/21/2014	10/27/2014	6	14	OK
TW4-24	Methylene chloride	10/21/2014	10/27/2014	6	14	OK
TW4-24	Nitrate/Nitrite (as N)	10/21/2014	11/3/2014	13	28	OK
TW4-25	Chloride	10/21/2014	11/5/2014	15	28	OK
TW4-25	Carbon tetrachloride	10/21/2014	10/27/2014	6	14	OK
TW4-25	Chloroform	10/21/2014	10/27/2014	6	14	OK
TW4-25	Chloromethane	10/21/2014	10/27/2014	6	14	OK
TW4-25	Methylene chloride	10/21/2014	10/27/2014	6	14	OK
TW4-25	Nitrate/Nitrite (as N)	10/21/2014	11/3/2014	13	28	OK
TW4-26	Chloride	10/28/2014	11/4/2014	7	28	OK
TW4-26	Carbon tetrachloride	10/28/2014	11/4/2014	7	14	OK
TW4-26	Chloroform	10/28/2014	11/4/2014	7	14	OK
TW4-26	Chloromethane	10/28/2014	11/4/2014	7	14	OK
TW4-26	Methylene chloride	10/28/2014	11/4/2014	7	14	OK
TW4-26	Nitrate/Nitrite (as N)	10/28/2014	11/3/2014	6	28	OK
TW4-27	Chloride	10/23/2014	11/2/2014	10	28	OK
TW4-27	Carbon tetrachloride	10/23/2014	10/27/2014	4	14	OK
TW4-27	Chloroform	10/23/2014	10/27/2014	4	14	OK
TW4-27	Chloromethane	10/23/2014	10/27/2014	4	14	OK
TW4-27	Methylene chloride	10/23/2014	10/27/2014	4	14	OK
TW4-27	Nitrate/Nitrite (as N)	10/23/2014	11/3/2014	11	28	OK
TW4-28	Chloride	10/23/2014	11/2/2014	10	28	OK
TW4-28	Carbon tetrachloride	10/23/2014	10/28/2014	5	14	OK
TW4-28	Chloroform	10/23/2014	10/28/2014	5	14	OK
TW4-28	Chloromethane	10/23/2014	10/28/2014	5	14	OK
TW4-28	Methylene chloride	10/23/2014	10/28/2014	5	14	OK
TW4-28	Nitrate/Nitrite (as N)	10/23/2014	11/3/2014	11	28	OK
TW4-29	Chloride	10/29/2014	11/4/2014	6	28	OK
TW4-29	Carbon tetrachloride	10/29/2014	11/4/2014	6	14	OK
TW4-29	Chloroform	10/29/2014	11/5/2014	7	14	OK
TW4-29	Chloromethane	10/29/2014	11/4/2014	6	14	OK
TW4-29	Methylene chloride	10/29/2014	11/4/2014	6	14	OK
TW4-29	Nitrate/Nitrite (as N)	10/29/2014	11/3/2014	5	28	OK
TW4-30	Chloride	10/23/2014	11/2/2014	10	28	OK
TW4-30	Carbon tetrachloride	10/23/2014	10/27/2014	4	14	OK
TW4-30	Chloroform	10/23/2014	10/27/2014	4	14	OK
TW4-30	Chloromethane	10/23/2014	10/27/2014	4	14	OK
TW4-30	Methylene chloride	10/23/2014	10/27/2014	4	14	OK
TW4-30	Nitrate/Nitrite (as N)	10/23/2014	11/3/2014	11	28	OK
TW4-31	Chloride	10/28/2014	11/4/2014	7	28	OK
TW4-31	Carbon tetrachloride	10/28/2014	11/4/2014	7	14	OK
TW4-31	Chloroform	10/28/2014	11/4/2014	7	14	OK
TW4-31	Chloromethane	10/28/2014	11/4/2014	7	14	OK
TW4-31	Methylene chloride	10/28/2014	11/4/2014	7	14	OK
TW4-31	Nitrate/Nitrite (as N)	10/28/2014	11/3/2014	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	Chloride	10/23/2014	11/2/2014	10	28	OK
TW4-32	Carbon tetrachloride	10/23/2014	10/27/2014	4	14	OK
TW4-32	Chloroform	10/23/2014	10/27/2014	4	14	OK
TW4-32	Chloromethane	10/23/2014	10/27/2014	4	14	OK
TW4-32	Methylene chloride	10/23/2014	10/27/2014	4	14	OK
TW4-32	Nitrate/Nitrite (as N)	10/23/2014	11/3/2014	11	28	OK
TW4-33	Chloride	10/29/2014	11/4/2014	6	28	OK
TW4-33	Carbon tetrachloride	10/29/2014	11/4/2014	6	14	OK
TW4-33	Chloroform	10/29/2014	11/4/2014	6	14	OK
TW4-33	Chloromethane	10/29/2014	11/4/2014	6	14	OK
TW4-33	Methylene chloride	10/29/2014	11/4/2014	6	14	OK
TW4-33	Nitrate/Nitrite (as N)	10/29/2014	11/4/2014	6	28	OK
TW4-34	Chloride	10/28/2014	11/4/2014	7	28	OK
TW4-34	Carbon tetrachloride	10/28/2014	11/4/2014	7	14	OK
TW4-34	Chloroform	10/28/2014	11/4/2014	7	14	OK
TW4-34	Chloromethane	10/28/2014	11/4/2014	7	14	OK
TW4-34	Methylene chloride	10/28/2014	11/4/2014	7	14	OK
TW4-34	Nitrate/Nitrite (as N)	10/28/2014	11/3/2014	6	28	OK
TW4-35	Chloride	10/28/2014	11/4/2014	7	28	OK
TW4-35	Carbon tetrachloride	10/28/2014	11/4/2014	7	14	OK
TW4-35	Chloroform	10/28/2014	11/4/2014	7	14	OK
TW4-35	Chloromethane	10/28/2014	11/4/2014	7	14	OK
TW4-35	Methylene chloride	10/28/2014	11/4/2014	7	14	OK
TW4-35	Nitrate/Nitrite (as N)	10/28/2014	11/3/2014	6	28	OK
TW4-36	Chloride	10/23/2014	11/2/2014	10	28	OK
TW4-36	Carbon tetrachloride	10/23/2014	10/27/2014	4	14	OK
TW4-36	Chloroform	10/23/2014	10/27/2014	4	14	OK
TW4-36	Chloromethane	10/23/2014	10/27/2014	4	14	OK
TW4-36	Methylene chloride	10/23/2014	10/27/2014	4	14	OK
TW4-36	Nitrate/Nitrite (as N)	10/23/2014	11/11/2014	19	28	OK
TW4-60	Chloride	10/23/2014	11/2/2014	10	28	OK
TW4-60	Carbon tetrachloride	10/23/2014	10/27/2014	4	14	OK
TW4-60	Chloroform	10/23/2014	10/27/2014	4	14	OK
TW4-60	Chloromethane	10/23/2014	10/27/2014	4	14	OK
TW4-60	Methylene chloride	10/23/2014	10/27/2014	4	14	OK
TW4-60	Nitrate/Nitrite (as N)	10/23/2014	11/3/2014	11	28	OK
TW4-65	Chloride	10/23/2014	11/2/2014	10	28	OK
TW4-65	Carbon tetrachloride	10/23/2014	10/27/2014	4	14	OK
TW4-65	Chloroform	10/23/2014	10/27/2014	4	14	OK
TW4-65	Chloromethane	10/23/2014	10/27/2014	4	14	OK
TW4-65	Methylene chloride	10/23/2014	10/27/2014	4	14	OK
TW4-65	Nitrate/Nitrite (as N)	10/23/2014	11/3/2014	11	28	OK
TW4-70	Chloride	10/28/2014	11/5/2014	8	28	OK
TW4-70	Carbon tetrachloride	10/28/2014	11/5/2014	8	14	OK
TW4-70	Chloroform	10/28/2014	11/5/2014	8	14	OK
TW4-70	Chloromethane	10/28/2014	11/5/2014	8	14	OK
TW4-70	Methylene chloride	10/28/2014	11/5/2014	8	14	OK
TW4-70	Nitrate/Nitrite (as N)	10/28/2014	11/3/2014	6	28	OK

Table I-3 Recipt Temperature Check

Sample Batch	Wells in Batch	Temperature
1410353	MW-04, MW-26, TW4-03, TW4-03R, TW4-04, TW4-12, TW4-13, TW4-14, TW4-19, TW4-20, TW4-22, TW4-24, TW4-25, TW4-27, TW4-28, TW4-30, TW4-32, TW4-36, TW4-60, TW4-65	1.1 °C
1410466	MW-32, TW4-01, TW4-02, TW4-05, TW4-06, TW4-07, TW4-08, TW4-09, TW4-09R, TW4-10, TW4-11, TW4-16, TW4-18, TW4-21, TW4-23, TW4-26, TW4-29, TW4-31, TW4-33, TW4-34, TW4-35, TW4-70	2.3 °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	Dilution Factor	Required Reporting Limit	RL Check
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
MW-04	Chloride	10	mg/L		10	1	OK
MW-04	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-04	Chloroform	50	ug/L		50	1	OK
MW-04	Chloromethane	1	ug/L	U	1	1	OK
MW-04	Methylene chloride	1	ug/L	U	1	1	OK
MW-04	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
MW-26	Chloride	10	mg/L		10	1	OK
MW-26	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-26	Chloroform	50	ug/L		50	1	OK
MW-26	Chloromethane	1	ug/L	U	1	1	OK
MW-26	Methylene chloride	1	ug/L		1	1	OK
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-32	Chloride	10	mg/L		10	1	OK
MW-32	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-32	Chloroform	1	ug/L	U	1	1	OK
MW-32	Chloromethane	1	ug/L	U	1	1	OK
MW-32	Methylene chloride	1	ug/L	U	1	1	OK
MW-32	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
TW4-01	Chloride	10	mg/L		10	1	OK
TW4-01	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-01	Chloroform	20	ug/L		20	1	OK
TW4-01	Chloromethane	1	ug/L	U	1	1	OK
TW4-01	Methylene chloride	1	ug/L	U	1	1	OK
TW4-01	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-02	Chloride	10	mg/L		10	1	OK
TW4-02	Carbon tetrachloride	1	ug/L		1	1	OK
TW4-02	Chloroform	50	ug/L		50	1	OK
TW4-02	Chloromethane	1	ug/L	U	1	1	OK
TW4-02	Methylene chloride	1	ug/L	U	1	1	OK
TW4-02	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-03	Chloride	10	mg/L		10	1	OK
TW4-03	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-03	Chloroform	1	ug/L	U	1	1	OK
TW4-03	Chloromethane	1	ug/L	U	1	1	OK
TW4-03	Methylene chloride	1	ug/L	U	1	1	OK
TW4-03	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-03R	Chloride	1	mg/L	U	1	1	OK
TW4-03R	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-03R	Chloroform	1	ug/L	U	1	1	OK
TW4-03R	Chloromethane	1	ug/L	U	1	1	OK
TW4-03R	Methylene chloride	1	ug/L	U	1	1	OK
TW4-03R	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
TW4-04	Chloride	10	mg/L		10	1	OK
TW4-04	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-04	Chloroform	50	ug/L		50	1	OK
TW4-04	Chloromethane	1	ug/L	U	1	1	OK

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
TW4-04	Methylene chloride	1	ug/L	U	1	1	OK
TW4-04	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-05	Chloride	10	mg/L		10	1	OK
TW4-05	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-05	Chloroform	1	ug/L		1	1	OK
TW4-05	Chloromethane	1	ug/L	U	1	1	OK
TW4-05	Methylene chloride	1	ug/L	U	1	1	OK
TW4-05	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-06	Chloride	10	mg/L		10	1	OK
TW4-06	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-06	Chloroform	10	ug/L		10	1	OK
TW4-06	Chloromethane	1	ug/L	U	1	1	OK
TW4-06	Methylene chloride	1	ug/L	U	1	1	OK
TW4-06	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-07	Chloride	10	mg/L		10	1	OK
TW4-07	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-07	Chloroform	20	ug/L		20	1	OK
TW4-07	Chloromethane	1	ug/L	U	1	1	OK
TW4-07	Methylene chloride	1	ug/L	U	1	1	OK
TW4-07	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-08	Chloride	10	mg/L		10	1	OK
TW4-08	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-08	Chloroform	1	ug/L		1	1	OK
TW4-08	Chloromethane	1	ug/L	U	1	1	OK
TW4-08	Methylene chloride	1	ug/L	U	1	1	OK
TW4-08	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
TW4-09	Chloride	10	mg/L		10	1	OK
TW4-09	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-09	Chloroform	1	ug/L		1	1	OK
TW4-09	Chloromethane	1	ug/L	U	1	1	OK
TW4-09	Methylene chloride	1	ug/L	U	1	1	OK
TW4-09	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-09R	Chloride	1	mg/L	U	1	1	OK
TW4-09R	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-09R	Chloroform	1	ug/L	U	1	1	OK
TW4-09R	Chloromethane	1	ug/L	U	1	1	OK
TW4-09R	Methylene chloride	1	ug/L	U	1	1	OK
TW4-09R	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
TW4-10	Chloride	10	mg/L		10	1	OK
TW4-10	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-10	Chloroform	20	ug/L		20	1	OK
TW4-10	Chloromethane	1	ug/L	U	1	1	OK
TW4-10	Methylene chloride	1	ug/L	U	1	1	OK
TW4-10	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-11	Chloride	10	mg/L		10	1	OK
TW4-11	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-11	Chloroform	10	ug/L		10	1	OK
TW4-11	Chloromethane	1	ug/L	U	1	1	OK
TW4-11	Methylene chloride	1	ug/L	U	1	1	OK
TW4-11	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-12	Chloride	10	mg/L		10	1	OK
TW4-12	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-12	Chloroform	1	ug/L	U	1	1	OK
TW4-12	Chloromethane	1	ug/L	U	1	1	OK

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
TW4-12	Methylene chloride	1	ug/L	U	1	1	OK
TW4-12	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-13	Chloride	10	mg/L		10	1	OK
TW4-13	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-13	Chloroform	1	ug/L	U	1	1	OK
TW4-13	Chloromethane	1	ug/L	U	1	1	OK
TW4-13	Methylene chloride	1	ug/L	U	1	1	OK
TW4-13	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-14	Chloride	10	mg/L		10	1	OK
TW4-14	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-14	Chloroform	1	ug/L		1	1	OK
TW4-14	Chloromethane	1	ug/L	U	1	1	OK
TW4-14	Methylene chloride	1	ug/L	U	1	1	OK
TW4-14	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-16	Chloride	10	mg/L		10	1	OK
TW4-16	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-16	Chloroform	10	ug/L		10	1	OK
TW4-16	Chloromethane	1	ug/L	U	1	1	OK
TW4-16	Methylene chloride	1	ug/L	U	1	1	OK
TW4-16	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-18	Chloride	10	mg/L		10	1	OK
TW4-18	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-18	Chloroform	1	ug/L		1	1	OK
TW4-18	Chloromethane	1	ug/L	U	1	1	OK
TW4-18	Methylene chloride	1	ug/L	U	1	1	OK
TW4-18	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-19	Chloride	100	mg/L		100	1	OK
TW4-19	Carbon tetrachloride	1	ug/L		1	1	OK
TW4-19	Chloroform	50	ug/L		50	1	OK
TW4-19	Chloromethane	1	ug/L	U	1	1	OK
TW4-19	Methylene chloride	1	ug/L	U	1	1	OK
TW4-19	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-20	Chloride	100	mg/L		100	1	OK
TW4-20	Carbon tetrachloride	1	ug/L		1	1	OK
TW4-20	Chloroform	500	ug/L		500	1	OK
TW4-20	Chloromethane	1	ug/L		1	1	OK
TW4-20	Methylene chloride	1	ug/L		1	1	OK
TW4-20	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-21	Chloride	100	mg/L		100	1	OK
TW4-21	Carbon tetrachloride	1	ug/L		1	1	OK
TW4-21	Chloroform	10	ug/L		10	1	OK
TW4-21	Chloromethane	1	ug/L	U	1	1	OK
TW4-21	Methylene chloride	1	ug/L	U	1	1	OK
TW4-21	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-22	Chloride	100	mg/L		100	1	OK
TW4-22	Carbon tetrachloride	1	ug/L		1	1	OK
TW4-22	Chloroform	500	ug/L		500	1	OK
TW4-22	Chloromethane	1	ug/L		1	1	OK
TW4-22	Methylene chloride	1	ug/L	U	1	1	OK
TW4-22	Nitrate/Nitrite (as N)	10	mg/L		100	0.1	OK
TW4-23	Chloride	10	mg/L		10	1	OK
TW4-23	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-23	Chloroform	1	ug/L	U	1	1	OK
TW4-23	Chloromethane	1	ug/L	U	1	1	OK

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
TW4-23	Methylene chloride	1	ug/L	U	1	1	OK
TW4-23	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
TW4-24	Chloride	100	mg/L		100	1	OK
TW4-24	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-24	Chloroform	1	ug/L		1	1	OK
TW4-24	Chloromethane	1	ug/L	U	1	1	OK
TW4-24	Methylene chloride	1	ug/L	U	1	1	OK
TW4-24	Nitrate/Nitrite (as N)	10	mg/L		100	0.1	OK
TW4-25	Chloride	10	mg/L		10	1	OK
TW4-25	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-25	Chloroform	1	ug/L	U	1	1	OK
TW4-25	Chloromethane	1	ug/L	U	1	1	OK
TW4-25	Methylene chloride	1	ug/L	U	1	1	OK
TW4-25	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
TW4-26	Chloride	10	mg/L		10	1	OK
TW4-26	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-26	Chloroform	1	ug/L		1	1	OK
TW4-26	Chloromethane	1	ug/L	U	1	1	OK
TW4-26	Methylene chloride	1	ug/L	U	1	1	OK
TW4-26	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-27	Chloride	10	mg/L		10	1	OK
TW4-27	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-27	Chloroform	1	ug/L	U	1	1	OK
TW4-27	Chloromethane	1	ug/L	U	1	1	OK
TW4-27	Methylene chloride	1	ug/L	U	1	1	OK
TW4-27	Nitrate/Nitrite (as N)	10	mg/L		100	0.1	OK
TW4-28	Chloride	10	mg/L		10	1	OK
TW4-28	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-28	Chloroform	1	ug/L	U	1	1	OK
TW4-28	Chloromethane	1	ug/L	U	1	1	OK
TW4-28	Methylene chloride	1	ug/L	U	1	1	OK
TW4-28	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-29	Chloride	10	mg/L		10	1	OK
TW4-29	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-29	Chloroform	10	ug/L		10	1	OK
TW4-29	Chloromethane	1	ug/L	U	1	1	OK
TW4-29	Methylene chloride	1	ug/L	U	1	1	OK
TW4-29	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-30	Chloride	10	mg/L		10	1	OK
TW4-30	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-30	Chloroform	1	ug/L	U	1	1	OK
TW4-30	Chloromethane	1	ug/L	U	1	1	OK
TW4-30	Methylene chloride	1	ug/L	U	1	1	OK
TW4-30	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
TW4-31	Chloride	10	mg/L		10	1	OK
TW4-31	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-31	Chloroform	1	ug/L	U	1	1	OK
TW4-31	Chloromethane	1	ug/L	U	1	1	OK
TW4-31	Methylene chloride	1	ug/L	U	1	1	OK
TW4-31	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
TW4-32	Chloride	10	mg/L		10	1	OK
TW4-32	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-32	Chloroform	1	ug/L	U	1	1	OK
TW4-32	Chloromethane	1	ug/L	U	1	1	OK

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
TW4-32	Methylene chloride	1	ug/L	U	1	1	OK
TW4-32	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-33	Chloride	10	mg/L		10	1	OK
TW4-33	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-33	Chloroform	1	ug/L		1	1	OK
TW4-33	Chloromethane	1	ug/L	U	1	1	OK
TW4-33	Methylene chloride	1	ug/L	U	1	1	OK
TW4-33	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-34	Chloride	10	mg/L		10	1	OK
TW4-34	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-34	Chloroform	1	ug/L	U	1	1	OK
TW4-34	Chloromethane	1	ug/L	U	1	1	OK
TW4-34	Methylene chloride	1	ug/L	U	1	1	OK
TW4-34	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
TW4-35	Chloride	10	mg/L		10	1	OK
TW4-35	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-35	Chloroform	1	ug/L	U	1	1	OK
TW4-35	Chloromethane	1	ug/L	U	1	1	OK
TW4-35	Methylene chloride	1	ug/L	U	1	1	OK
TW4-35	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
TW4-36	Chloride	10	mg/L		10	1	OK
TW4-36	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-36	Chloroform	1	ug/L	U	1	1	OK
TW4-36	Chloromethane	1	ug/L	U	1	1	OK
TW4-36	Methylene chloride	1	ug/L	U	1	1	OK
TW4-36	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
TW4-60	Chloride	1	mg/L	U	1	1	OK
TW4-60	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-60	Chloroform	1	ug/L	U	1	1	OK
TW4-60	Chloromethane	1	ug/L	U	1	1	OK
TW4-60	Methylene chloride	1	ug/L	U	1	1	OK
TW4-60	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
TW4-65	Chloride	10	mg/L		10	1	OK
TW4-65	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-65	Chloroform	1	ug/L	U	1	1	OK
TW4-65	Chloromethane	1	ug/L	U	1	1	OK
TW4-65	Methylene chloride	1	ug/L	U	1	1	OK
TW4-65	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
TW4-70	Chloride	10	mg/L		10	1	OK
TW4-70	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-70	Chloroform	1	ug/L		1	1	OK
TW4-70	Chloromethane	1	ug/L	U	1	1	OK
TW4-70	Methylene chloride	1	ug/L	U	1	1	OK
TW4-70	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK

I-6 Trip Blank Evaluation

Lab Report	Constituent	Result
1410353	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L
1410466	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L

I-7 QA/QC Evaluation for Sample Duplicates

Constituent	TW4-12	TW4-65	%RPD
Chloride (mg/L)	50.2	49.7	1.0
Nitrate + Nitrite (as N)	16.1	15.2	5.8
Carbon Tetrachloride	ND	ND	NC
Chloroform	ND	ND	NC
Chloromethane	ND	ND	NC
Dichloromethane (Methylene Chloride)	ND	ND	NC

Constituent	TW4-05	TW4-70	%RPD
Chloride (mg/L)	45.1	44.5	1.3
Nitrate + Nitrite (as N)	8.31	8.64	3.9
Carbon Tetrachloride	ND	ND	NC
Chloroform	14.6	15	2.7
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
1410353	1410353-001BMS	TW4-25	Nitrate	82.7	85.1	90 - 110	1.28
1410466	1410466-011BMS	TW4-08	Nitrate	83.6	86.9	90 - 110	1.87
1410466	1410466-021BMS	TW4-70 (duplicate of TW4-05)	Nitrate	81.6	79.5	90 - 110	1.26
1410466	1410466-011CMS	TW4-08	Chloroform*	NC	NC	50 - 146	NC

N/A: QC was not performed on an EFRI sample.

* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount

Laboratory Control Sample

All Laboratory Control Samples were within acceptance limits for the quarter.

Surrogate % Recovery

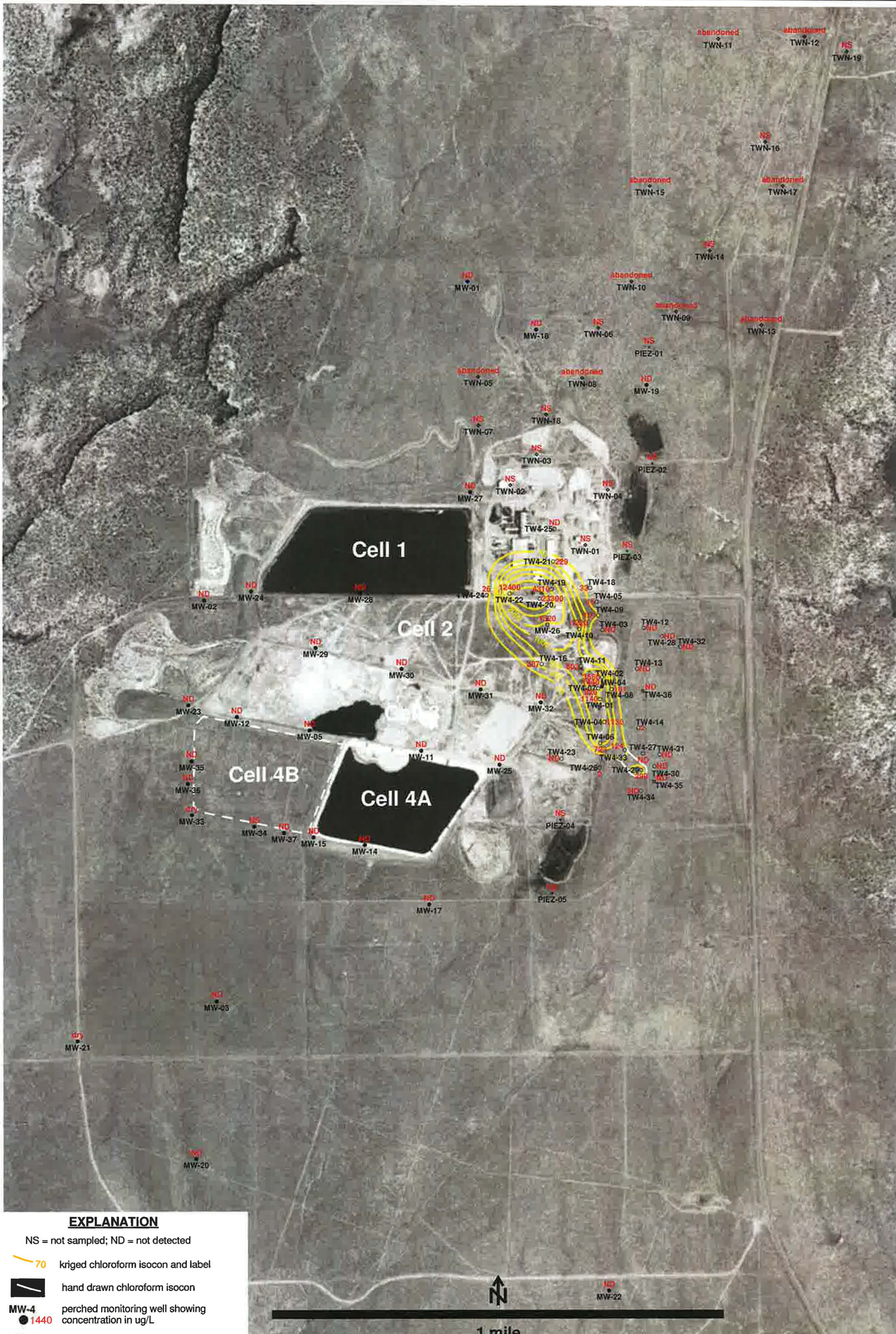
All Surrogate recoveries were within acceptance limits for the quarter.

I-9 Rinsate Evaluation

All rinsate blanks results were nondetect for the quarter.

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 ● 1440 — perched monitoring well showing concentration in ug/L

TW4-1 ○ 1140 — 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)

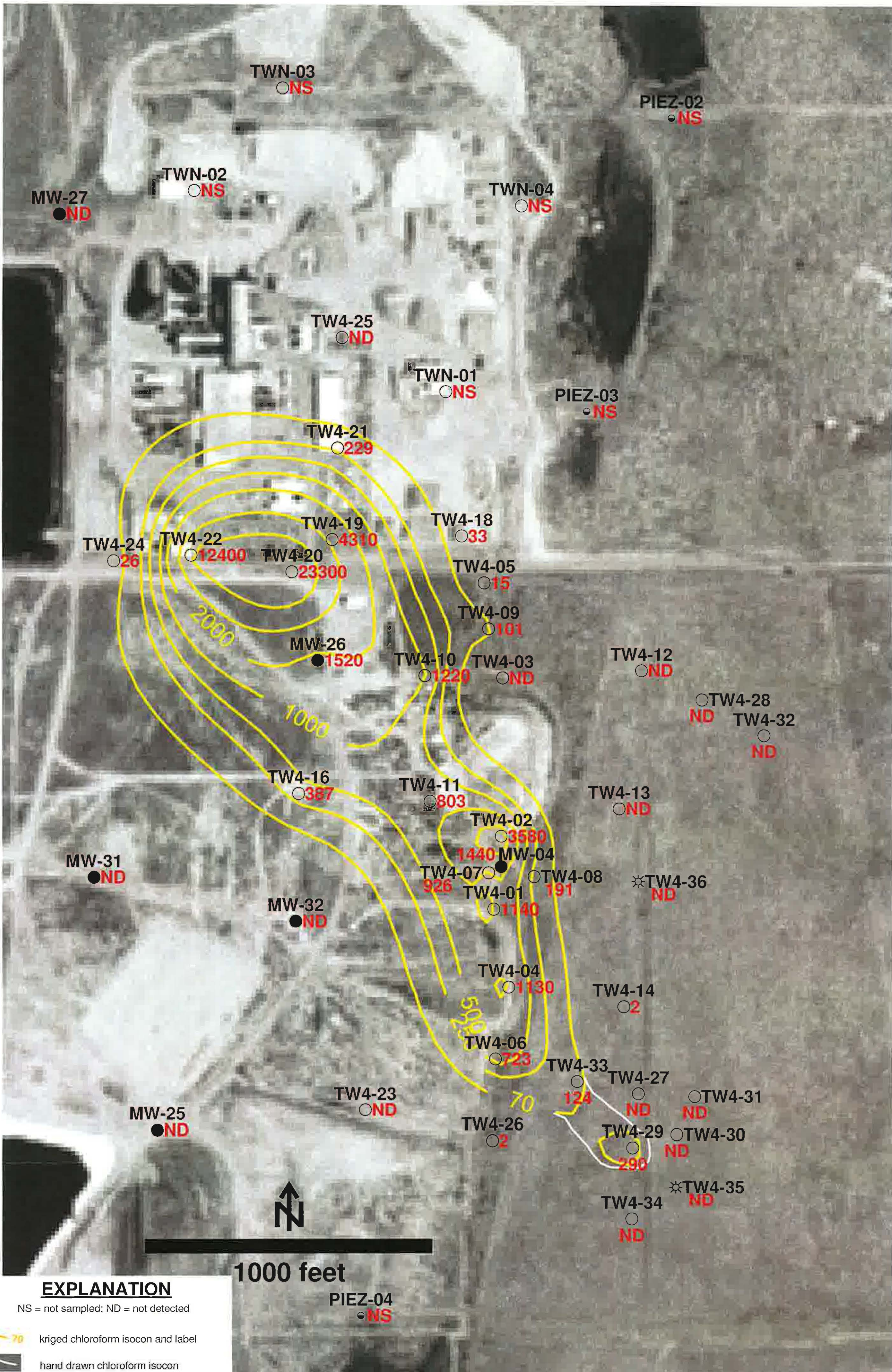
TW4-36 ☼ ND — temporary perched monitoring well installed May, 2014 showing concentration in ug/L

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, 2014 CHLOROFORM (ug/L) WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/feb15/chloroform/Uchl1214h.srf	J-1



EXPLANATION

NS = not sampled; ND = not detected

70 kriged chloroform isocon and label

hand drawn chloroform isocon

MW-4 1440 perched monitoring well showing concentration (ug/L)

TW4-1 1140 temporary perched monitoring well showing concentration (ug/L)

PIEZ-2 NS perched piezometer showing concentration (ug/L)

TW4-35 ND temporary perched monitoring well installed May, 2014 showing concentration (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, 2014 CHLOROFORM (ugL)
WHITE MESA SITE
(detail map)

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/ feb15/chloroform/Uchl1214det.srf	J-2

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
27-Jan-14	1390	4.15	ND	ND	4.7	38.5
19-May-14	1390	5.21	ND	ND	4.08	39.9
24-Aug-14	1490	ND	7.6	ND	3.7	41
21-Oct-14	1440	ND	ND	ND	5.07	41.5

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
5-Feb-14	1090	5.47	ND	ND	7.74	38.9
23-May-14	1020	4.77	ND	ND	6.93	37.4
27-Aug-14	845	ND	1.4	ND	4.8	38
29-Oct-14	1140	ND	ND	ND	6.31	38.7

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
6-Feb-14	3180	7.1	ND	ND	7.87	45.9
23-May-14	2930	6.05	ND	ND	9.11	45.4
27-Aug-14	3170	1.4	3.6	ND	6.2	45
30-Oct-14	3580	2.6	ND	ND	8.45	45.5

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
22-Jan-14	ND	ND	ND	ND	6.66	24.9
19-May-14	ND	ND	ND	ND	6.01	24
13-Aug-14	ND	ND	ND	ND	5.3	26
23-Oct-14	ND	ND	ND	ND	6.07	27

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
27-Jan-14	1260	3.88	ND	ND	7.28	37.4
19-May-14	1220	5	ND	ND	6	47.5
11-Aug-14	1320	ND	7	ND	5	40.0
21-Oct-14	1130	ND	ND	ND	7	40.0

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
30-Jan-14	12.5	ND	ND	ND	9.16	40.5
22-May-14	13.4	ND	ND	ND	7.78	51.4
14-Aug-14	12.0	ND	ND	ND	7.2	44
28-Oct-14	14.6	ND	ND	ND	8.31	45.1

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
29-Jan-14	5.7	ND	ND	ND	0.184	40.6
22-May-14	10.3	ND	ND	ND	0.312	37
14-Aug-14	202.0	ND	ND	ND	4.2	40
24-Sep-14	260.0	ND	ND	ND	N/A	N/A
29-Oct-14	723.0	ND	ND	ND	6.92	41.1

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
5-Feb-14	946	5.41	ND	ND	4.24	38.2
23-May-14	847	4.78	ND	ND	4.19	37.7
27-Aug-14	857	ND	1.5	ND	2.9	39
30-Oct-14	926	ND	ND	ND	3.68	40.2

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
23-Jan-14	63.8	ND	ND	ND	0.166	48.5
6-Feb-14	100	ND	ND	ND	0.165	46.6
22-May-14	122	ND	ND	ND	0.538	53
27-Aug-14	107	ND	ND	ND	0.6	47
29-Oct-14	191	ND	ND	ND	0.914	46.7

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
29-Jan-14	ND	ND	ND	ND	4.36	22
21-May-14	6.9	ND	ND	ND	3.44	24
14-Aug-14	46.9	ND	ND	ND	2.7	27
29-Oct-14	101	ND	ND	ND	4.27	25

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
5-Feb-14	1260	5.16	ND	ND	16.8	73
23-May-14	1110	ND	ND	ND	13.9	77.3
27-Aug-14	1060	ND	1.5	ND	9.8	74
30-Oct-14	1220	ND	ND	ND	13.2	75.2

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
5-Feb-14	785	5.19	ND	ND	8.47	48.5
23-May-14	751	ND	ND	ND	6.92	51.6
27-Aug-14	719	ND	1.2	ND	5.4	48
29-Oct-14	803	ND	ND	ND	7.33	56.4

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
22-Jan-14	ND	ND	ND	ND	18.4	41.6
21-May-14	ND	ND	ND	ND	17	40.2
27-Aug-14	ND	ND	ND	ND	13	47
23-Oct-14	ND	ND	ND	ND	16.1	50.2

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
22-Jan-14	ND	ND	ND	ND	7.09	63.1
21-May-14	ND	ND	ND	ND	5.99	56.1
13-Aug-14	ND	ND	ND	ND	4.8	62
23-Oct-14	ND	ND	ND	ND	6.28	66.1

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
22-Jan-14	ND	ND	ND	ND	5.92	35.5
21-May-14	ND	ND	ND	ND	4.87	32.5
13-Aug-14	ND	ND	ND	ND	4.1	38
23-Oct-14	1.7	ND	ND	ND	5.22	38.9

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
27-Jan-14	1400	ND	ND	13.8	0.549	59.4
19-May-14	1960	ND	ND	15.4	0.928	53.4
11-Aug-14	2120	ND	8.7	26	0.7	59
21-Oct-14	2090	ND	ND	23.2	0.934	60.1

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
29-Jan-14	6.9	ND	ND	ND	3.16	66.8
22-May-14	14.6	ND	ND	ND	4.94	80.7
14-Aug-14	229.0	ND	ND	ND	5.1	80
24-Sep-14	371.0	ND	ND	ND	N/A	N/A
29-Oct-14	387.0	ND	ND	ND	8.40	92.1

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
29-Jan-14	ND	ND	ND	ND	ND	34
23-May-14	ND	ND	ND	ND	ND	39.7
26-Aug-14	ND	ND	ND	ND	ND	34
29-Oct-14	ND	ND	ND	ND	ND	34.9

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
30-Jan-14	38.9	ND	ND	ND	12.8	40.9
22-May-14	34.8	ND	ND	ND	12.2	47
14-Aug-14	32.8	ND	ND	ND	9.8	49
28-Oct-14	33.0	ND	ND	ND	11.1	40.8

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
27-Jan-14	586	4.05	ND	ND	1.62	134
19-May-14	810	5.51	ND	ND	1.34	152
11-Aug-14	1410	1.9	8.3	ND	1.6	140
21-Oct-14	4310	4.8	ND	ND	4.72	130

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
27-Jan-14	17800	18.4	ND	2.04	7.56	254
19-May-14	22100	22.1	2.31	3.98	5.95	269
11-Aug-14	12400	14.1	55.2	2.2	4.3	299
21-Oct-14	23300	18.5	4.04	2.38	7.67	292

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	ND	ND	ND	9	206
5-Feb-14	220	6.23	ND	ND	11.4	200
22-May-14	240	4.73	ND	ND	11.5	243
27-Aug-14	204	ND	ND	ND	7.1	230
29-Oct-14	229	1.04	ND	ND	10	252

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
27-Jan-14	12100	6.06	ND	2.83	54.6	598
19-May-14	12400	6.65	ND	ND	47.2	614
11-Aug-14	12400	1.9	40	ND	41.5	540
21-Oct-14	12400	3.32	1.61	ND	54.9	596

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
23-Jan-14	ND	ND	ND	ND	ND	44.6
21-May-14	ND	ND	ND	ND	ND	42.3
13-Aug-14	ND	ND	ND	ND	ND	46.0
28-Oct-14	ND	ND	ND	ND	ND	46.8

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
27-Jan-14	78.5	ND	ND	1.18	31.6	809
19-May-14	62.7	ND	ND	ND	35	1020
11-Aug-14	76.3	ND	ND	ND	31.5	1150
21-Oct-14	25.8	ND	ND	ND	35.7	1050

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
27-Jan-14	ND	ND	ND	ND	2.16	85.7
19-May-14	ND	ND	ND	ND	1.21	51.1
11-Aug-14	ND	ND	ND	ND	1.6	67
21-Oct-14	ND	ND	ND	ND	1.03	58.1

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
29-Jan-14	1.4	ND	ND	ND	14.2	16.9
21-May-14	4.2	ND	ND	ND	12.5	15.4
11-Aug-14	1.3	ND	ND	ND	10.8	15
28-Oct-14	2.45	ND	ND	ND	12.3	14.6

TW4-27	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
24-Jan-12	9	ND	ND	ND	24	11
13-Jun-12	ND	ND	ND	ND	41	17
30-Aug-12	ND	ND	ND	ND	37	21
3-Oct-12	ND	ND	ND	ND	36	18
7-Feb-13	ND	ND	ND	ND	31.2	18.8
30-May-13	ND	ND	ND	ND	29.4	20.3
29-Aug-13	ND	ND	ND	ND	27.2	19
6-Nov-13	ND	ND	ND	ND	29.8	21.8
23-Jan-14	ND	ND	ND	ND	31.3	21.8
21-May-14	ND	ND	ND	ND	31.1	20.6
13-Aug-14	ND	ND	ND	ND	27.0	23
23-Oct-14	ND	ND	ND	ND	28.2	24.4

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
22-Jan-14	ND	ND	ND	ND	16.9	47.8
21-May-14	ND	ND	ND	ND	16.5	45.7
13-Aug-14	ND	ND	ND	ND	14.2	50
23-Oct-14	ND	ND	ND	ND	16.5	52.1

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
5-Feb-14	258	ND	ND	ND	4.63	41.9
22-May-14	262	ND	ND	ND	3.52	38.2
27-Aug-14	242	ND	ND	ND	3.4	41
29-Oct-14	290	ND	ND	ND	3.64	41

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
23-Jan-14	ND	ND	ND	ND	1.36	36
21-May-14	ND	ND	ND	ND	1.44	31.99
13-Aug-14	ND	ND	ND	ND	1.5	38
23-Oct-14	ND	ND	ND	ND	1.84	37.1

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
23-Jan-14	ND	ND	ND	ND	1.32	28.5
21-May-14	ND	ND	ND	ND	1.22	26.3
13-Aug-14	ND	ND	ND	ND	1.1	30
28-Oct-14	ND	ND	ND	ND	1.23	30

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
22-Jan-14	ND	ND	ND	ND	5.11	54.5
21-May-14	ND	ND	ND	ND	5.63	54.9
13-Aug-14	ND	ND	ND	ND	4.2	64
23-Oct-14	ND	ND	ND	ND	2.14	62.6

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
30-Jan-14	124	ND	ND	ND	2.56	43.5
22-May-14	121	ND	ND	ND	1.63	46.8
27-Aug-14	104	ND	ND	ND	1.5	43
29-Oct-14	124	ND	ND	ND	2.22	44.2

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
23-Jan-14	ND	ND	ND	ND	1.94	20.4
21-May-14	ND	ND	ND	ND	1.69	17.9
13-Aug-14	ND	ND	ND	ND	1.1	18
28-Oct-14	ND	ND	ND	ND	1.16	17.5

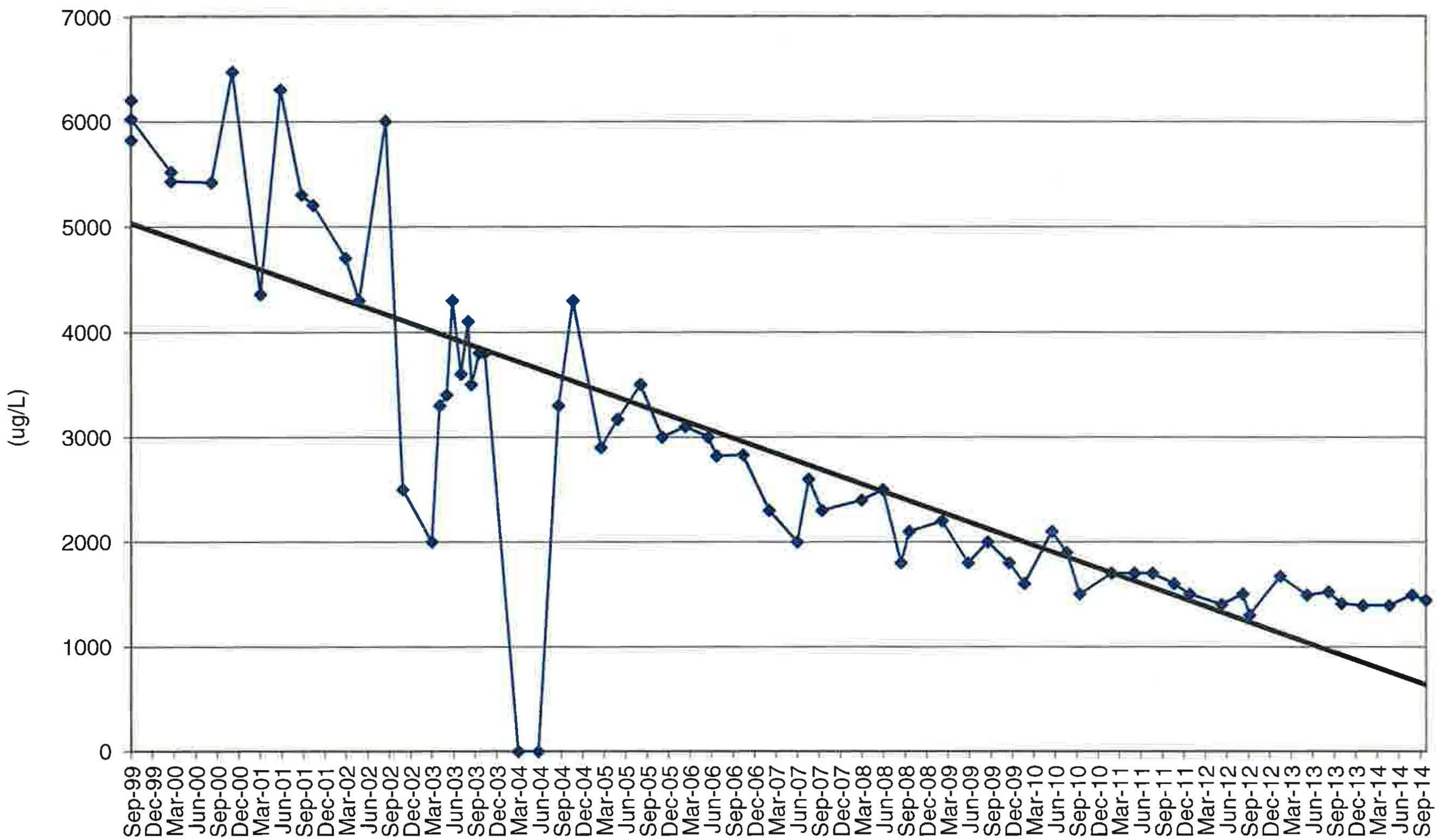
TW4-35	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Aug-14	ND	ND	ND	ND	0.2	34
28-Oct-14	ND	ND	ND	ND	0.351	34.1

TW4-36	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Aug-14	ND	ND	ND	ND	ND	65
23-Oct-14	ND	ND	ND	ND	ND	67.3

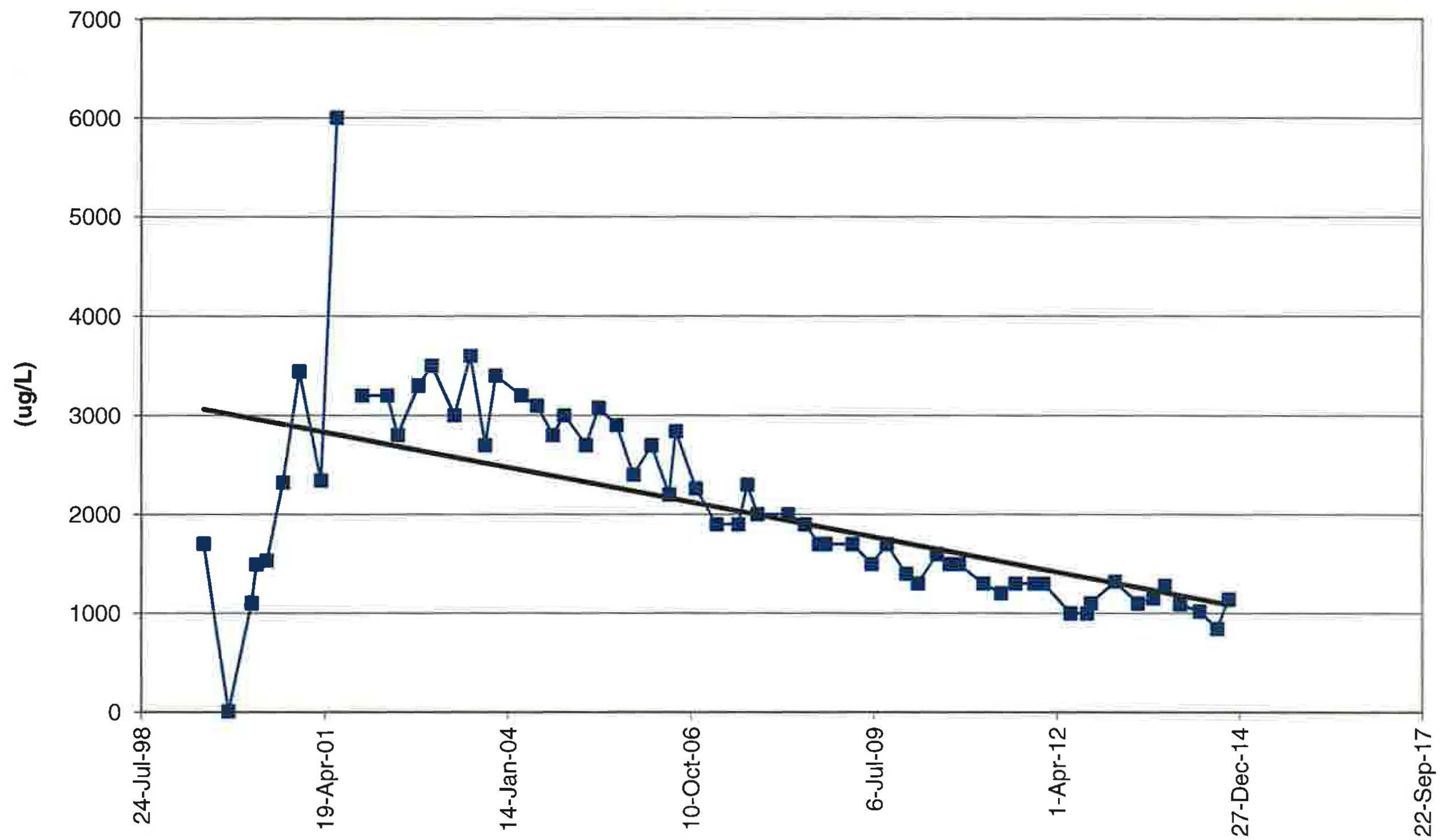
Tab L

Chloroform Concentration Trend Graphs

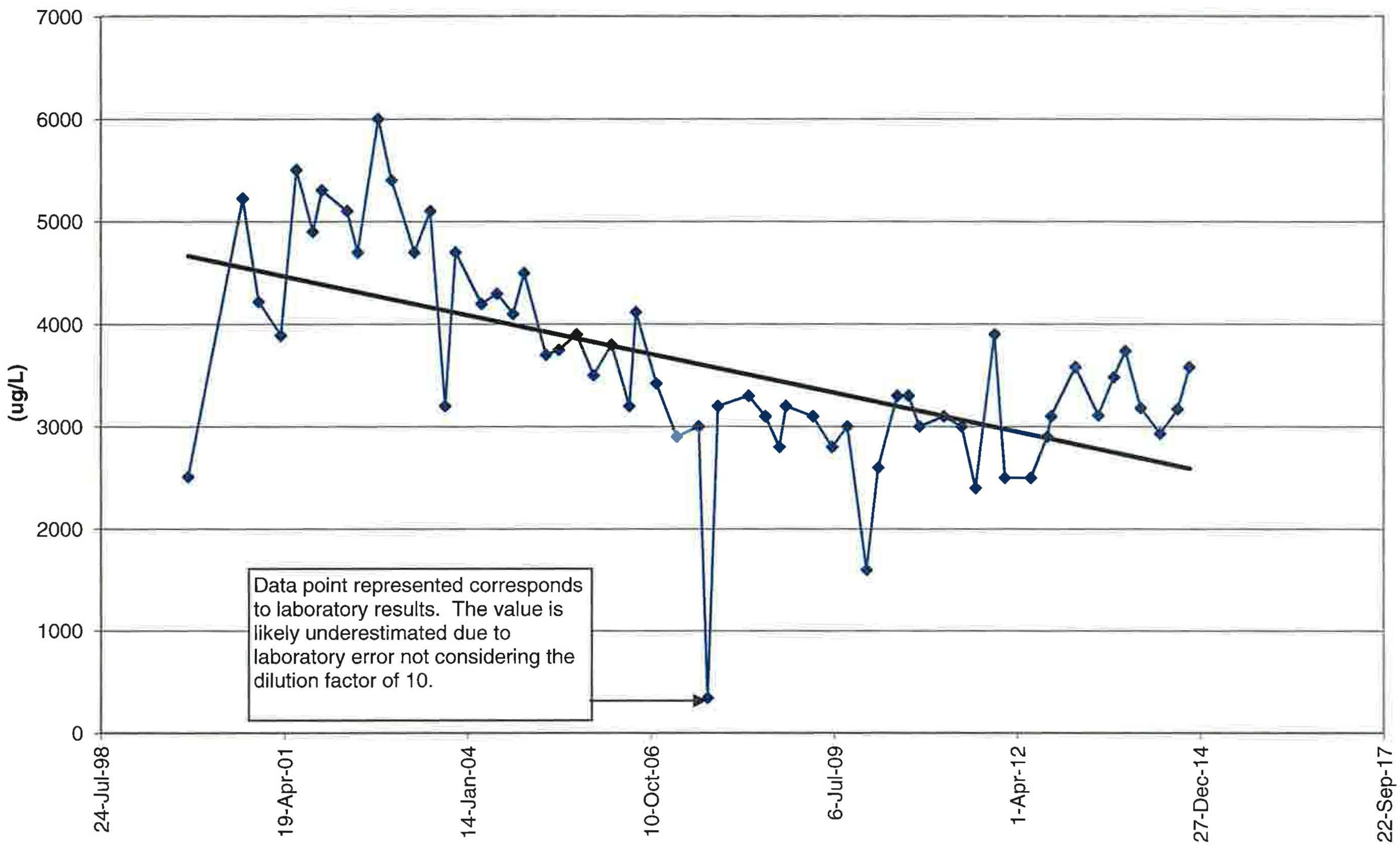
MW4-Chloroform Values



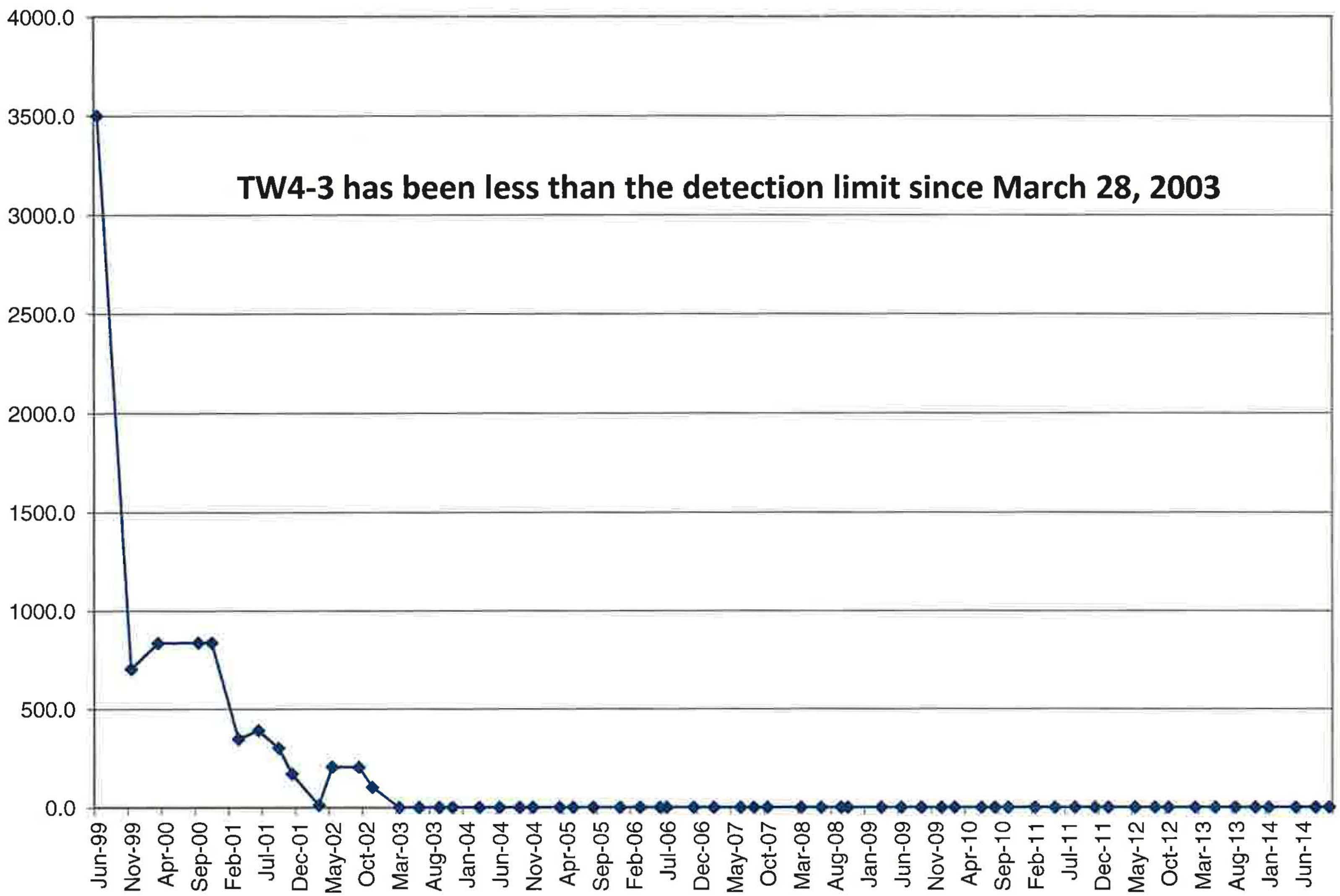
TW4-1 Chloroform Values



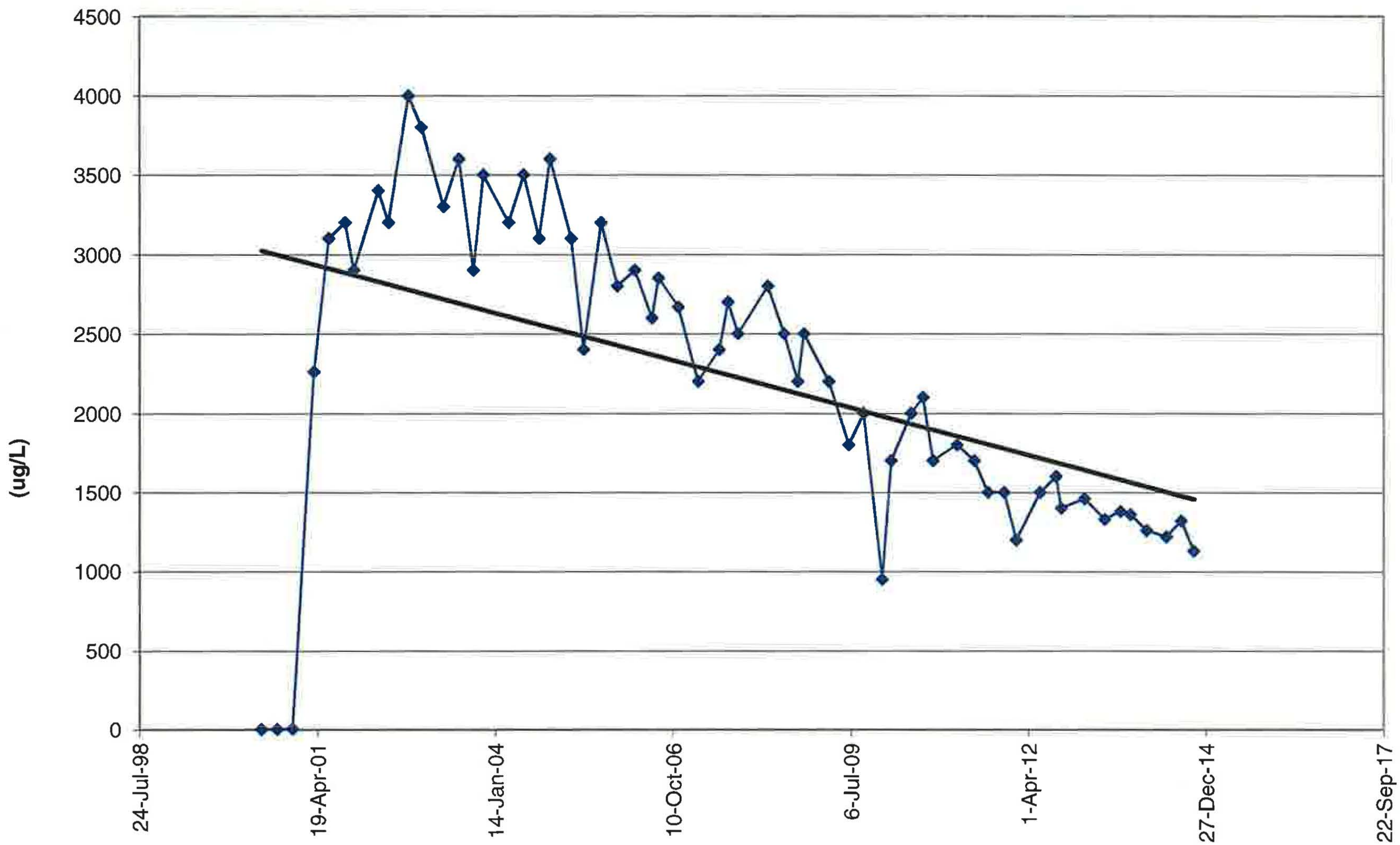
TW4-2 Chloroform Values



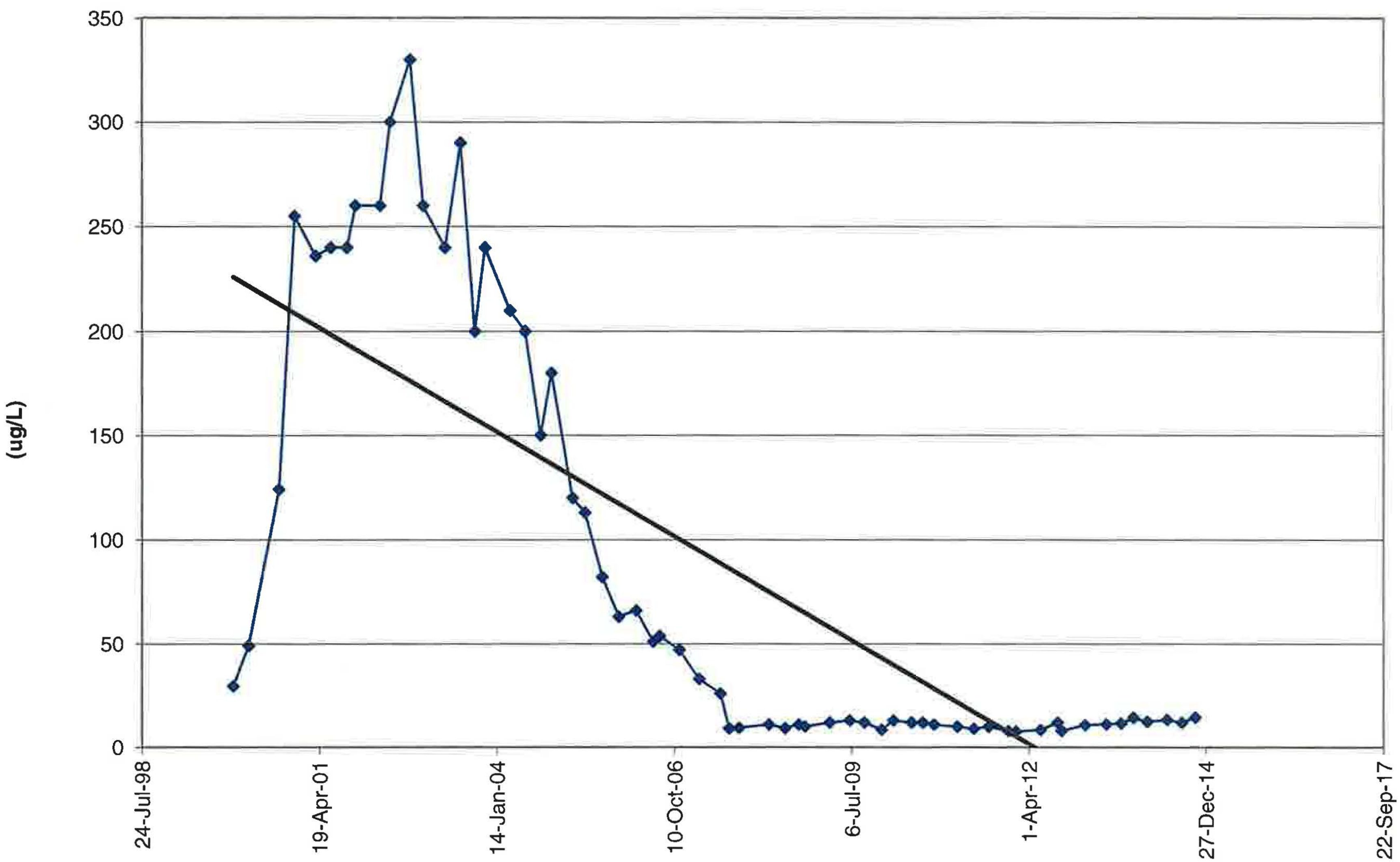
TW4-3 Chloroform Values

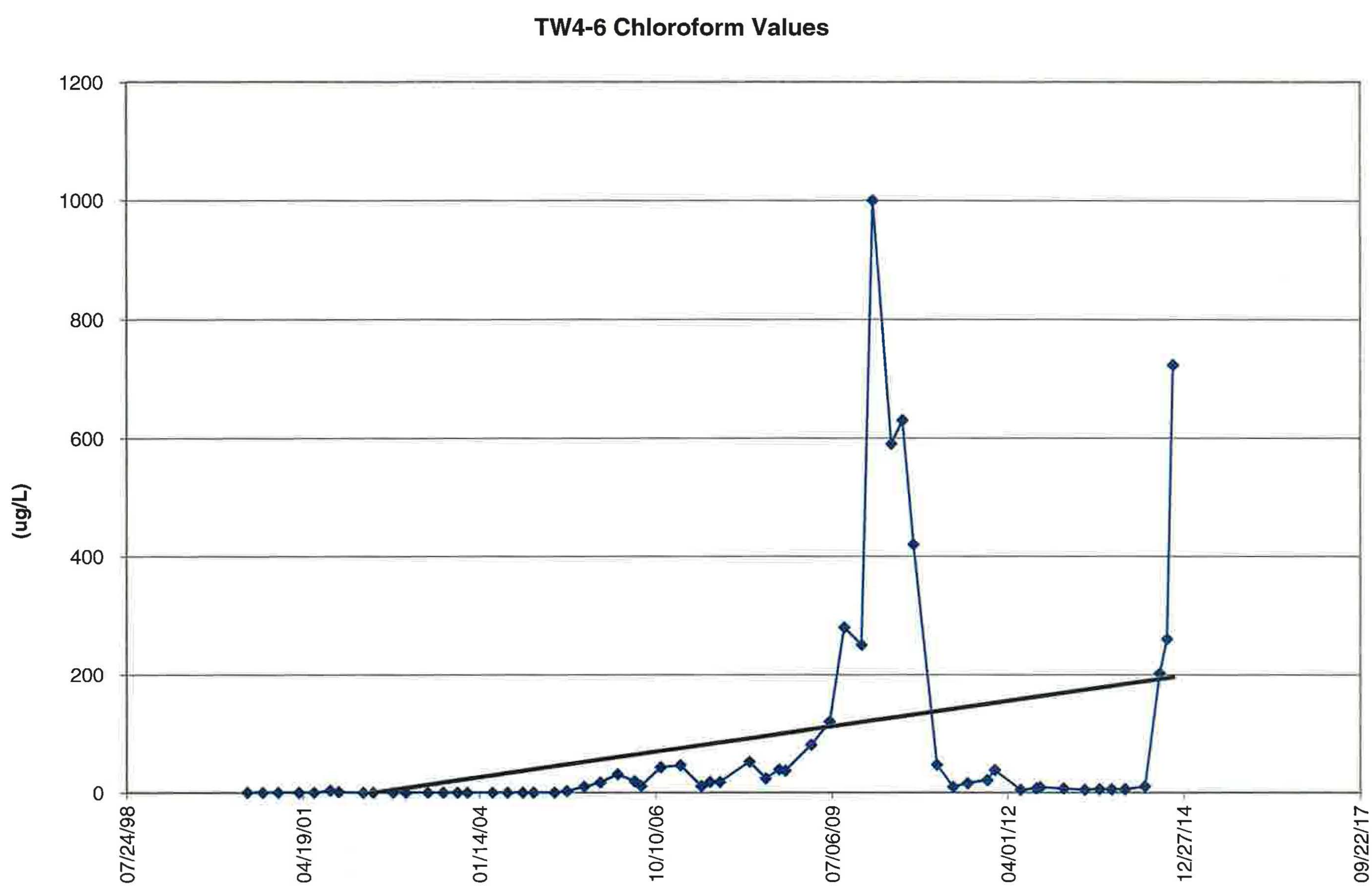


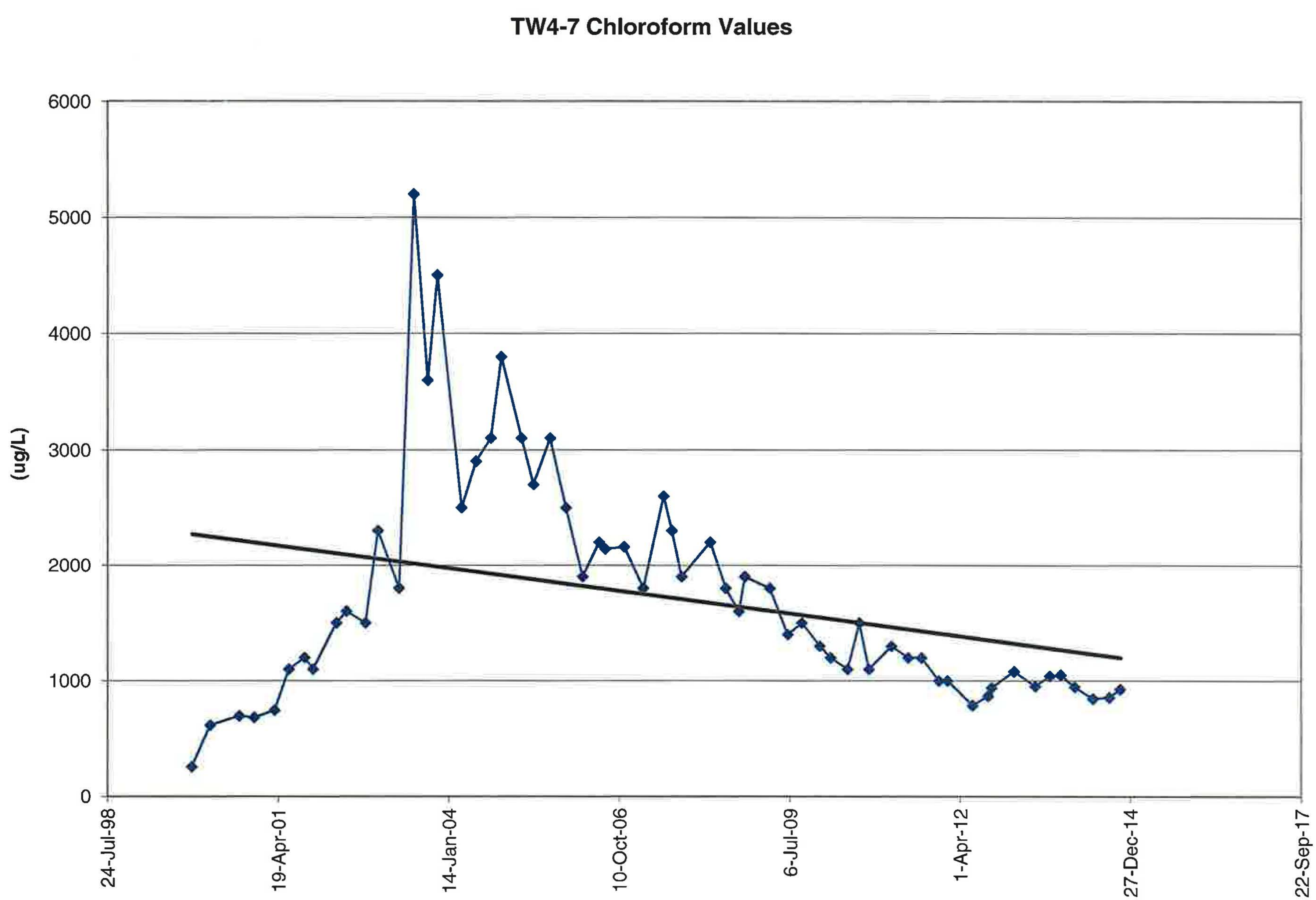
TW4-4 Chloroform Values



TW4-5 Chloroform Values

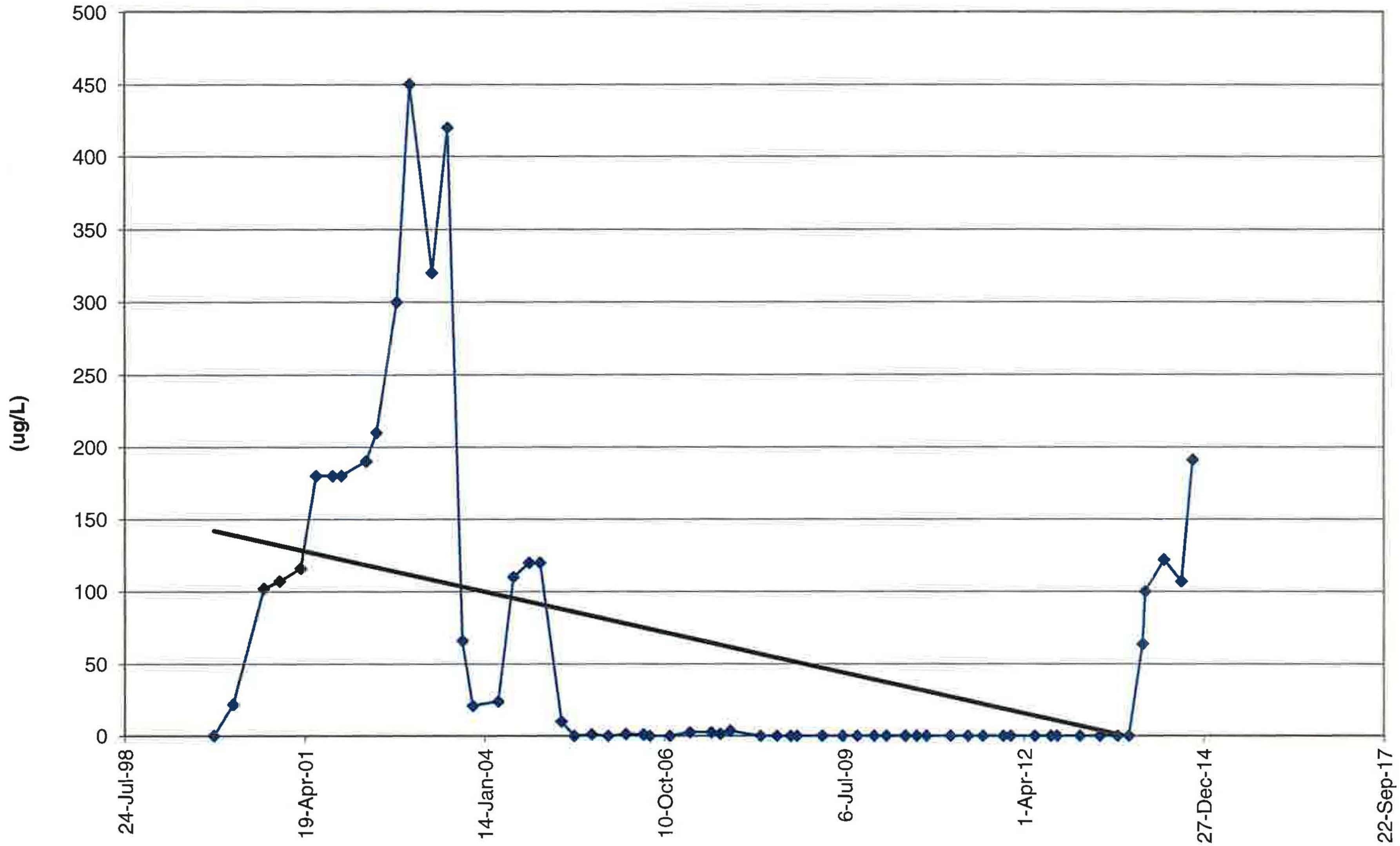



TW4-6 Chloroform Values
(ug/L)
1200
1000
800
600
400
200
0
07/24/98
04/19/01
01/14/04
10/10/06
07/06/09
04/01/12
12/27/14
09/22/17

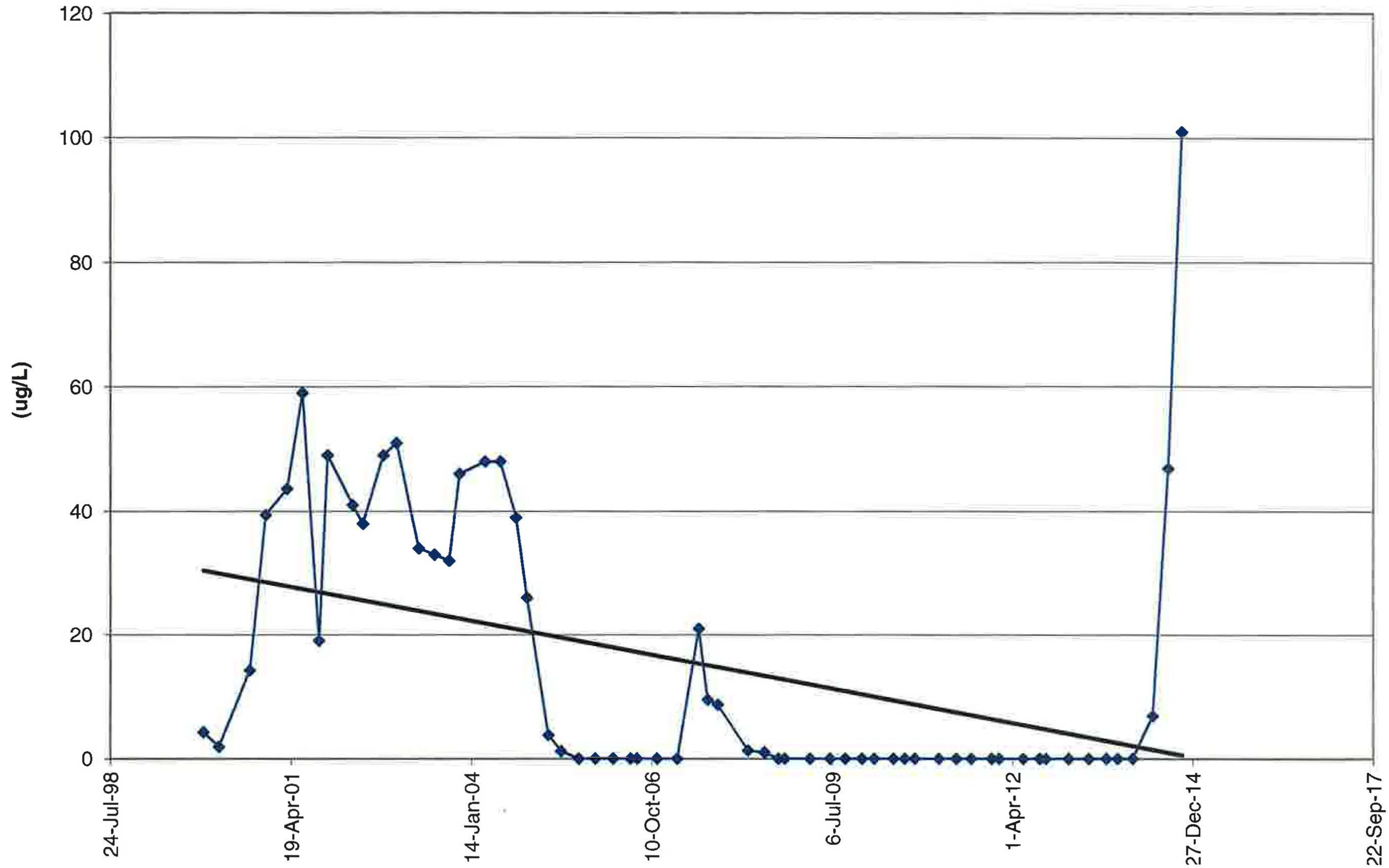


TW4-7 Chloroform Values
(ug/L)
6000
5000
4000
3000
2000
1000
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

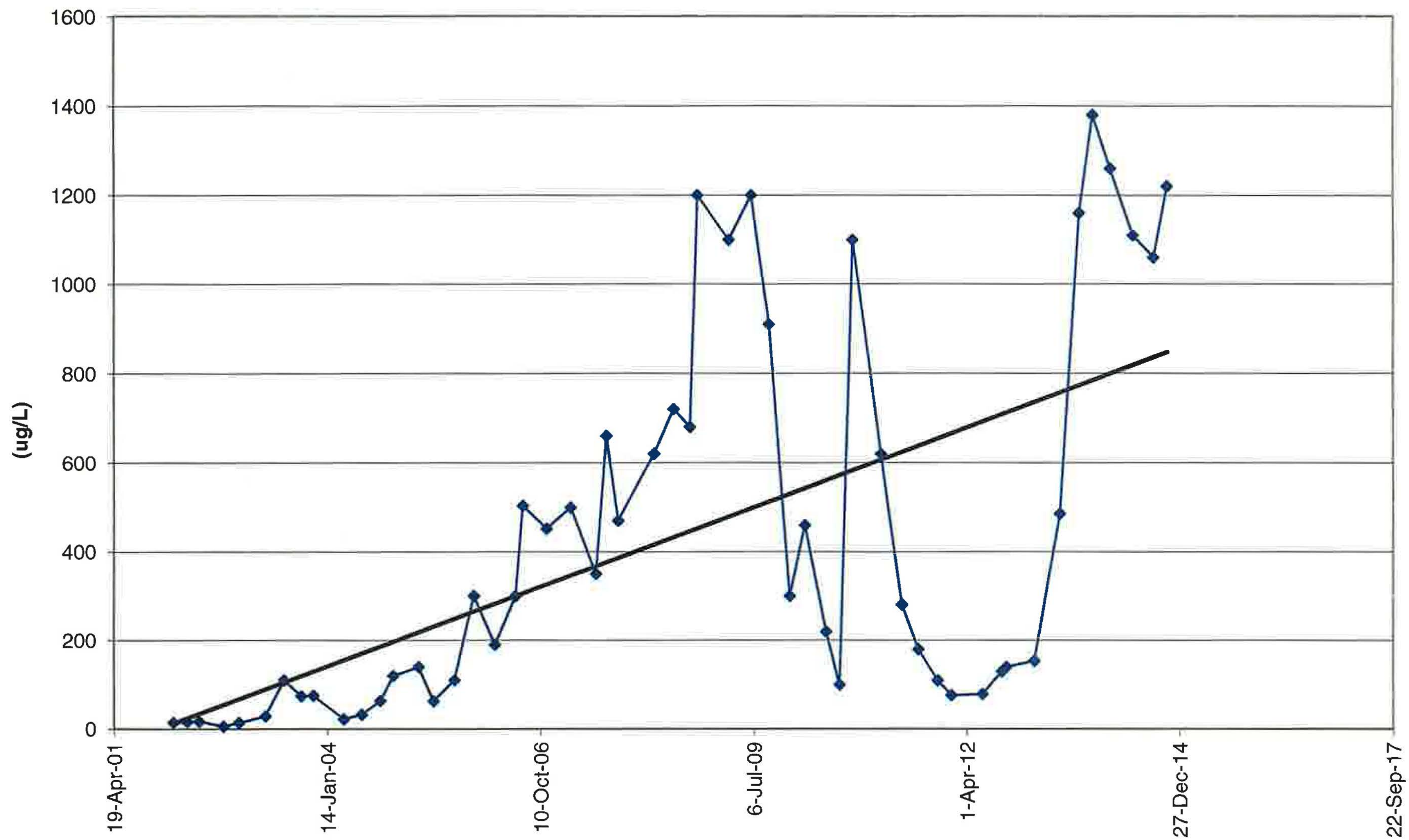
TW4-8 Chloroform Values



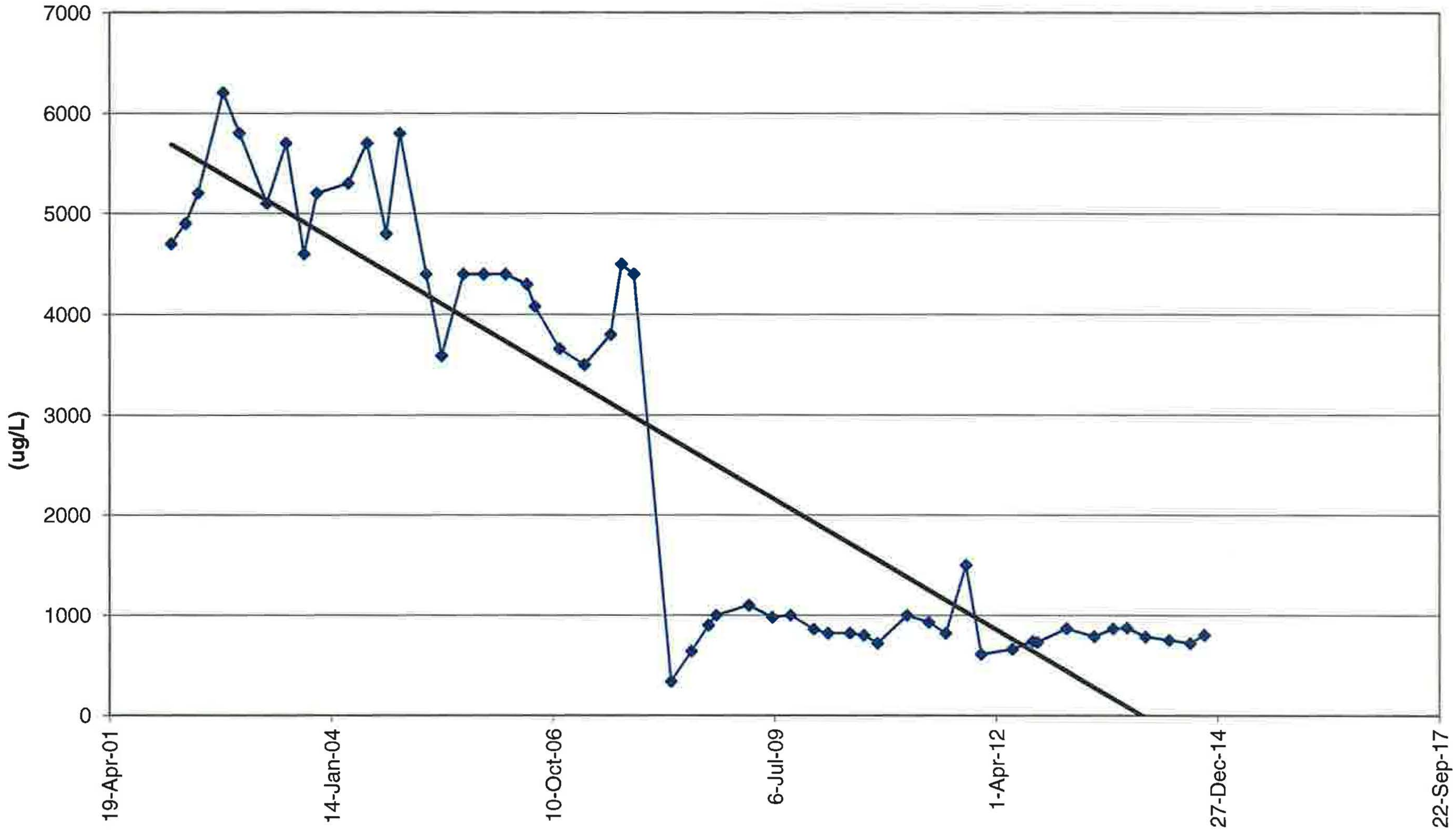
TW4-9 Chloroform Values



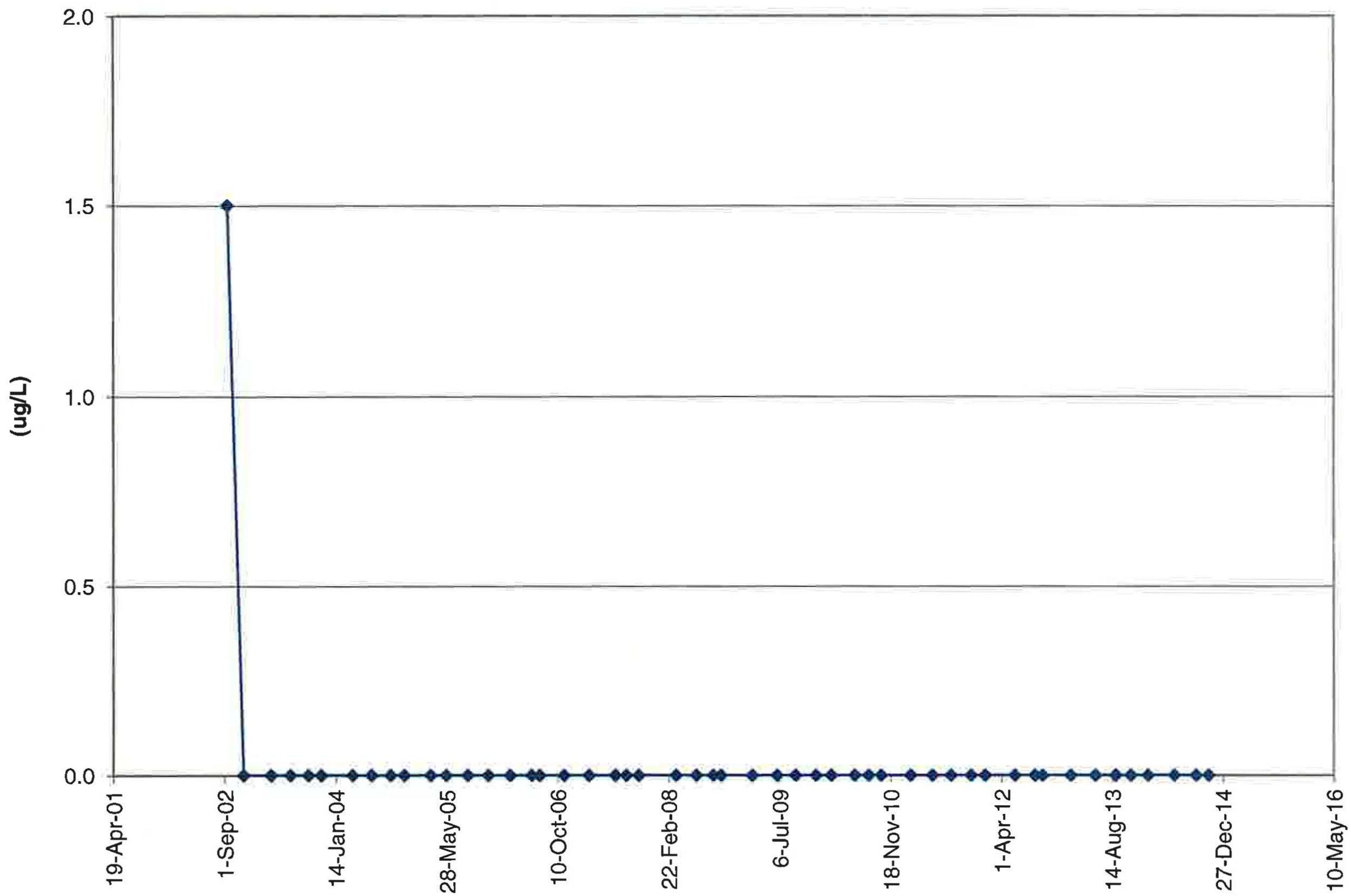
TW4-10 Chloroform Values



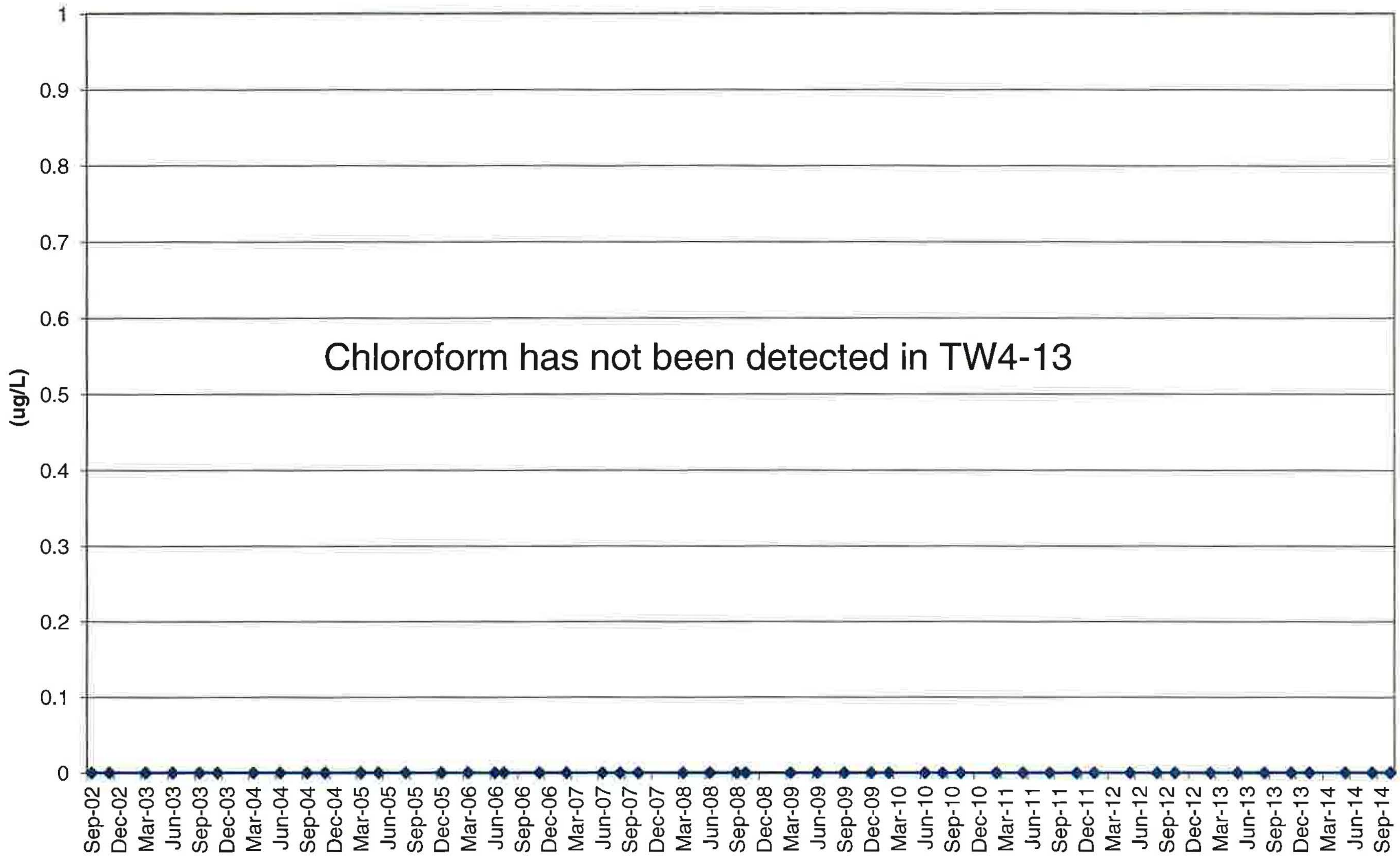
TW4-11 Chloroform Values



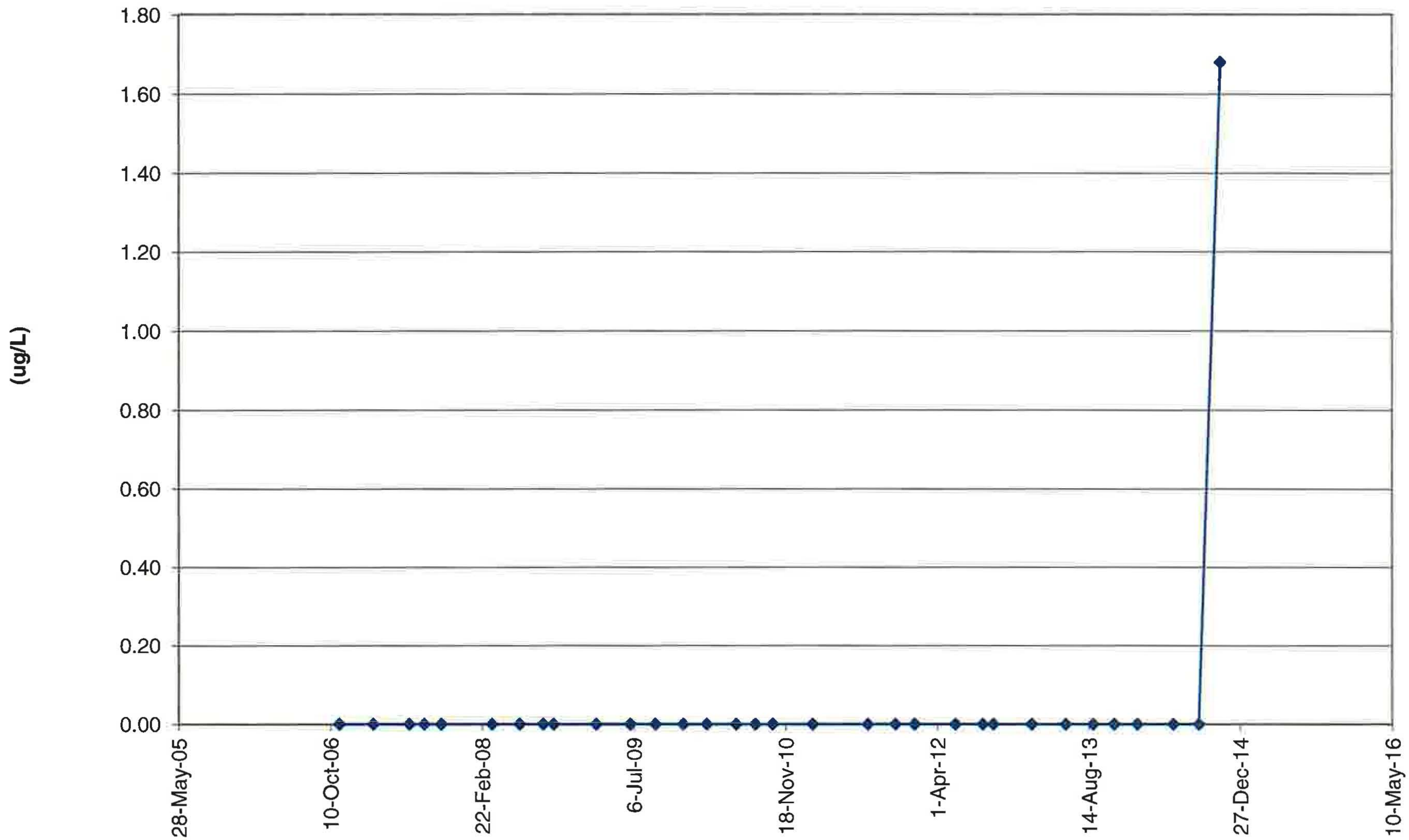
TW4-12 Chloroform Values



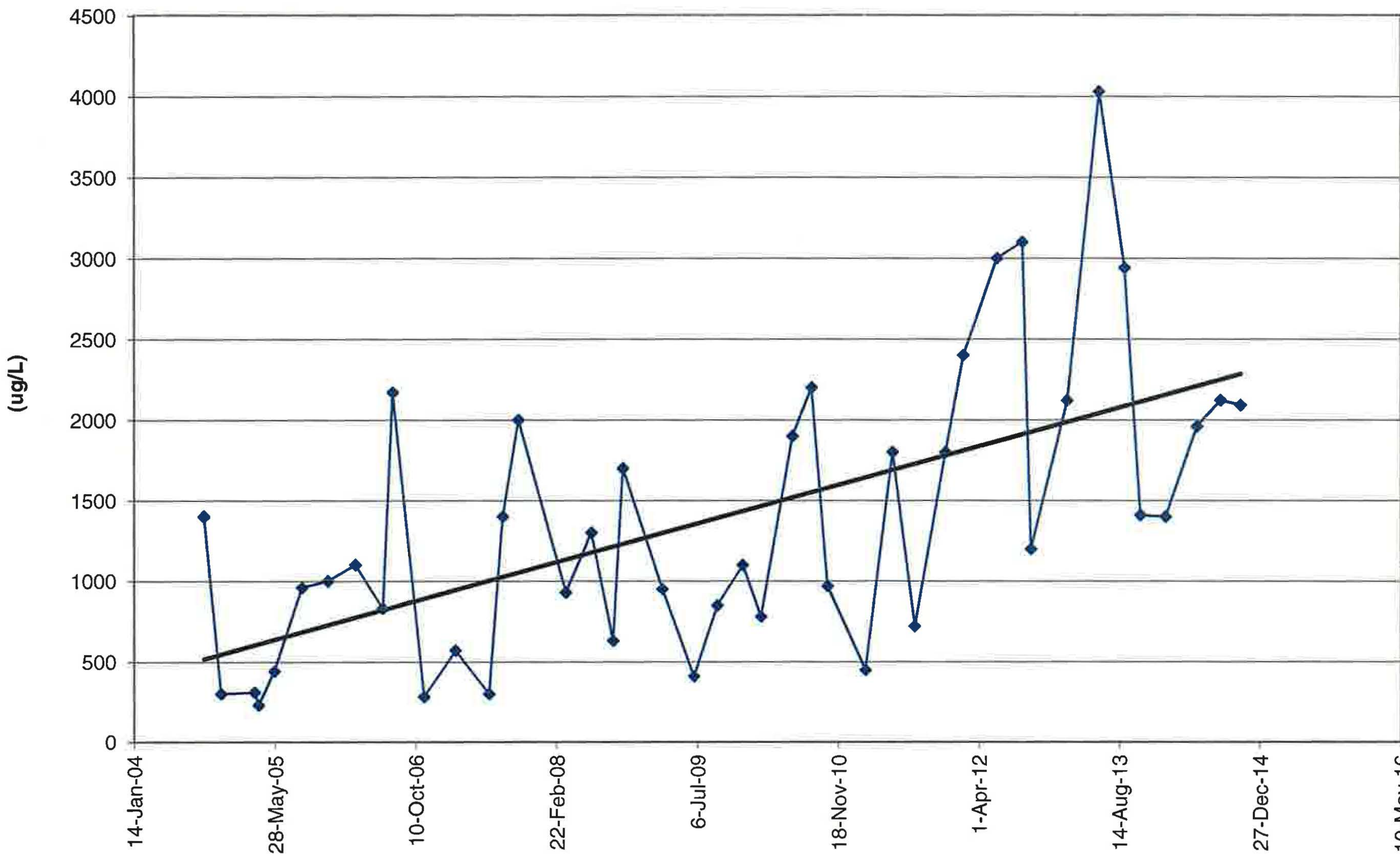
TW4-13 Chloroform Values



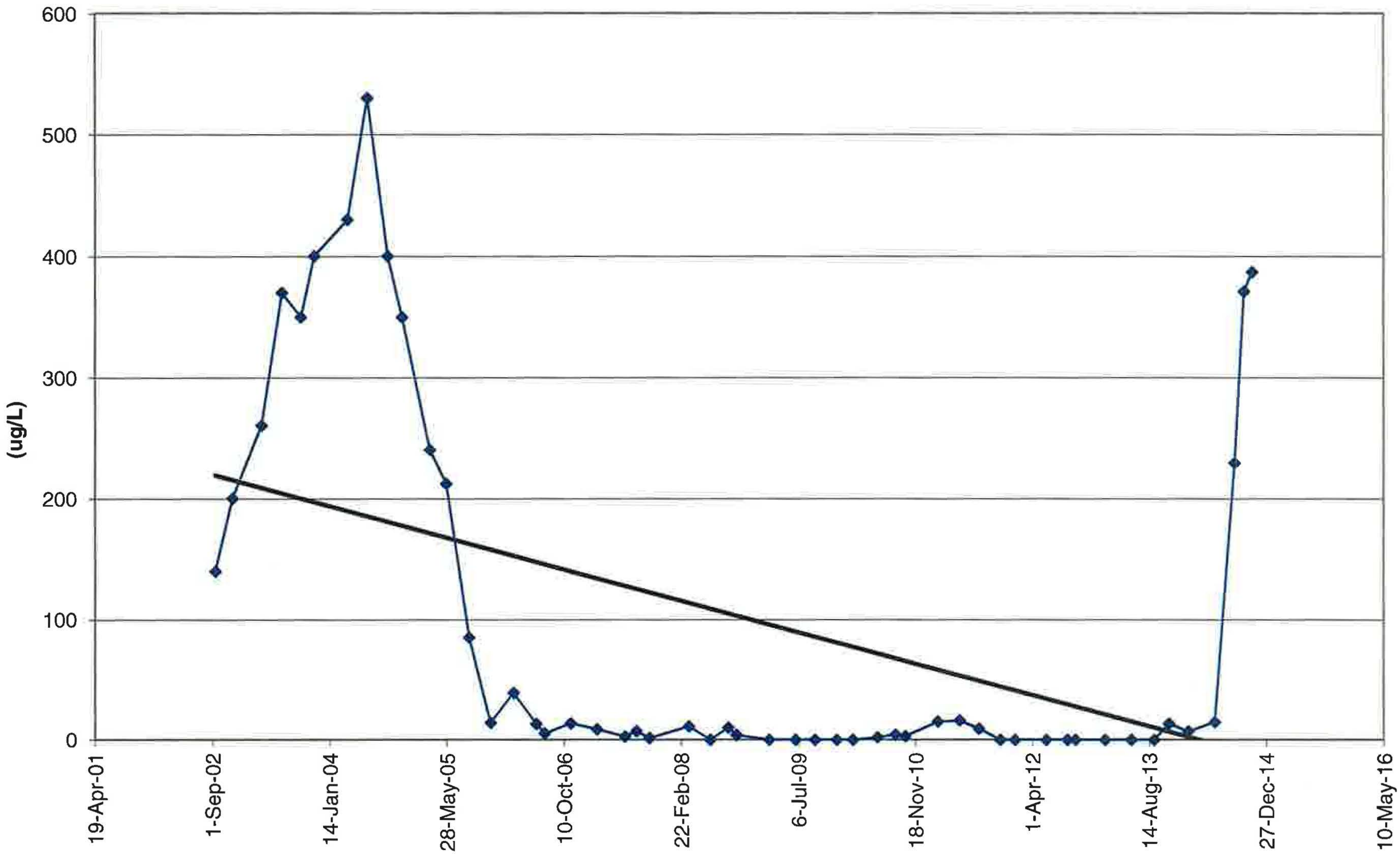
TW4-14 Chloroform Values



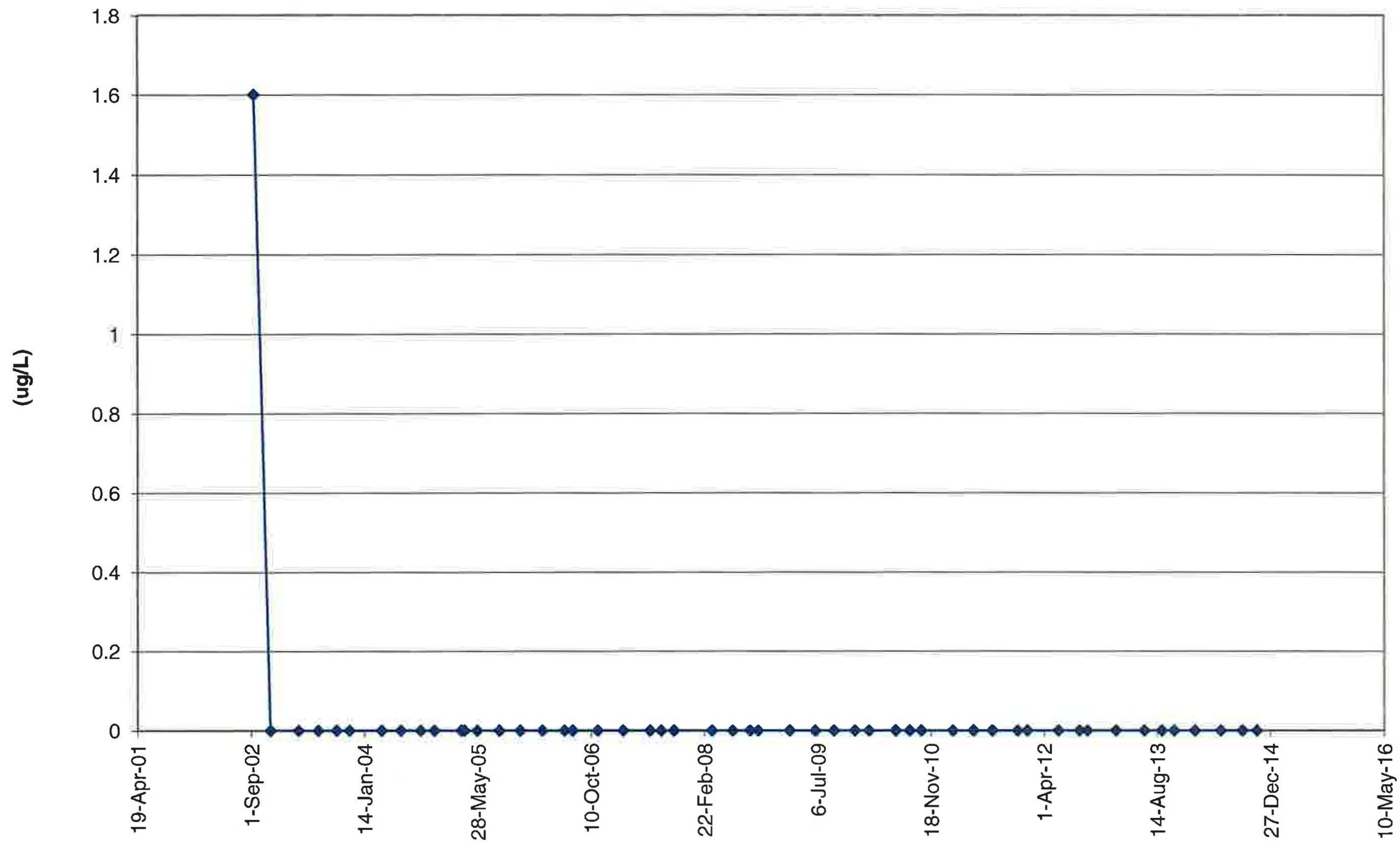
MW-26 Chloroform Values



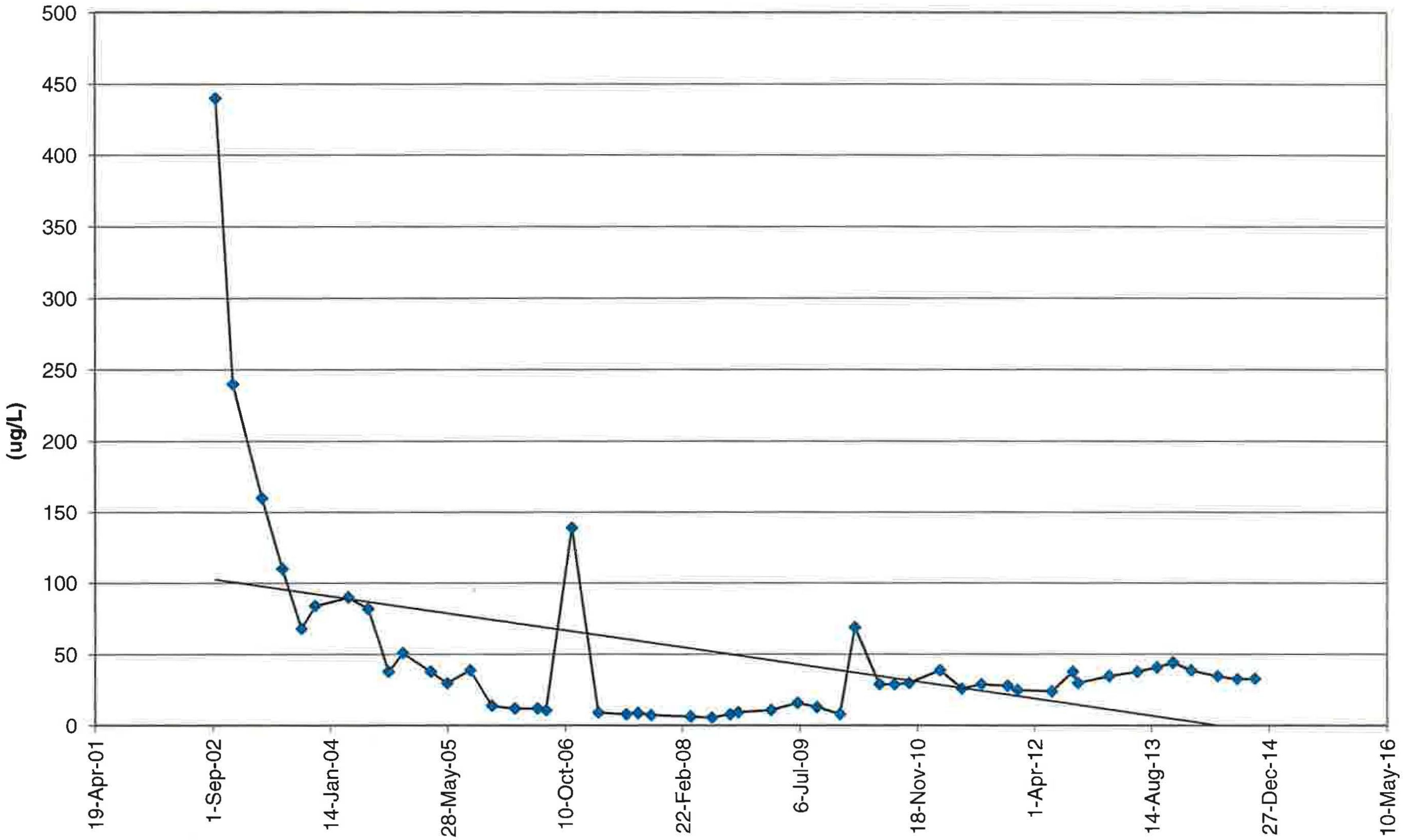
TW4-16 Chloroform Values



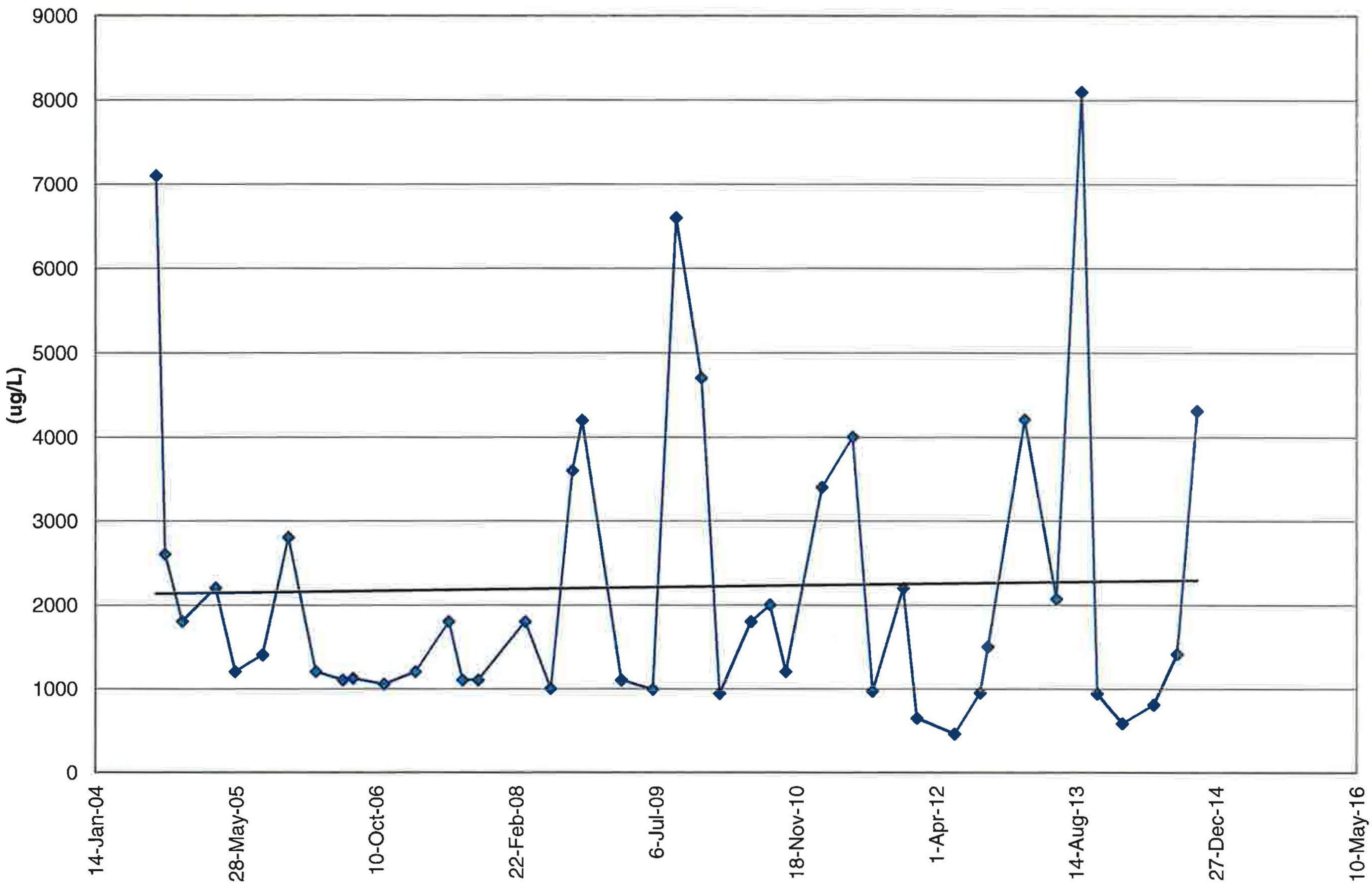
MW-32 Chloroform Values



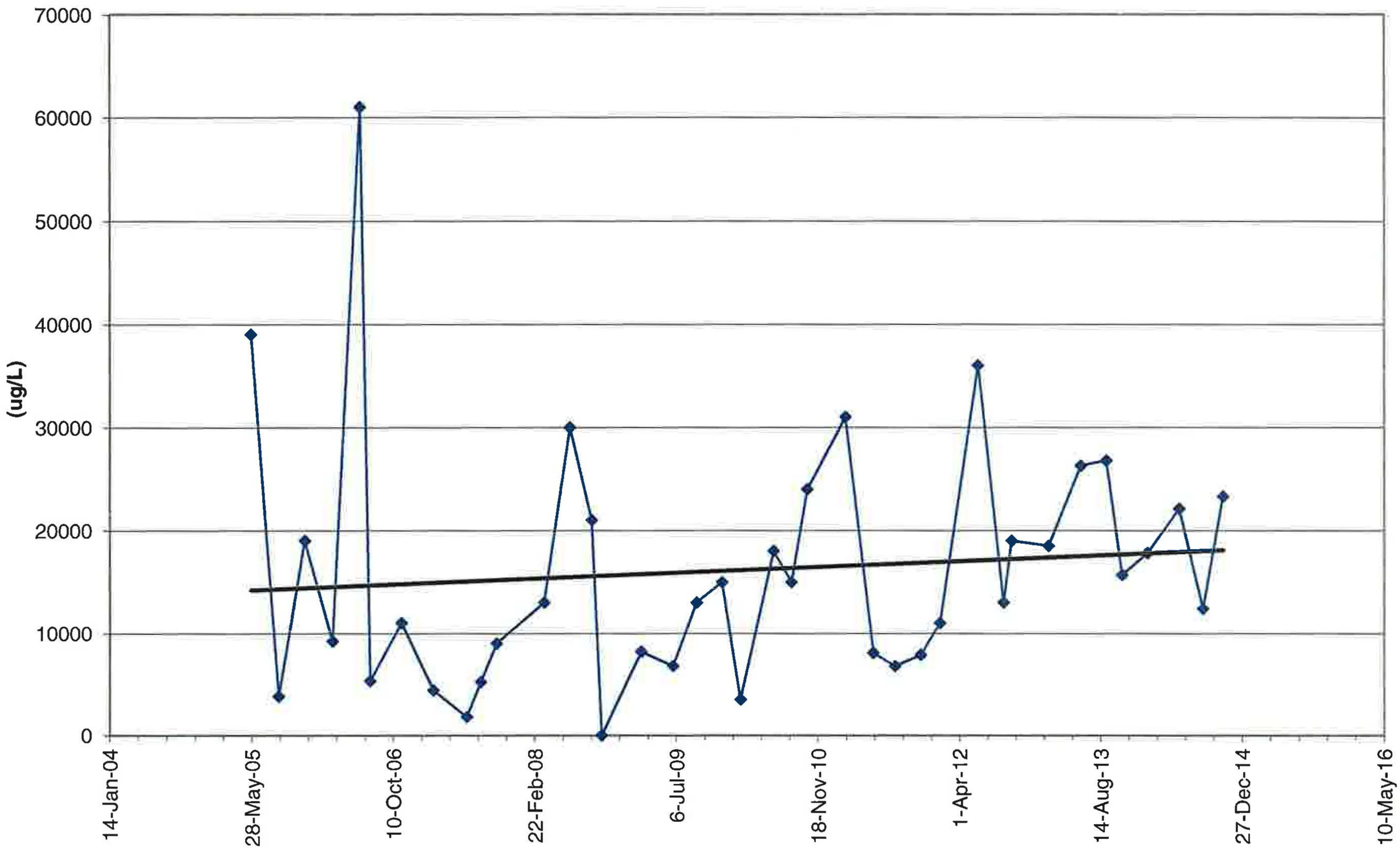
TW4-18 Chloroform Values



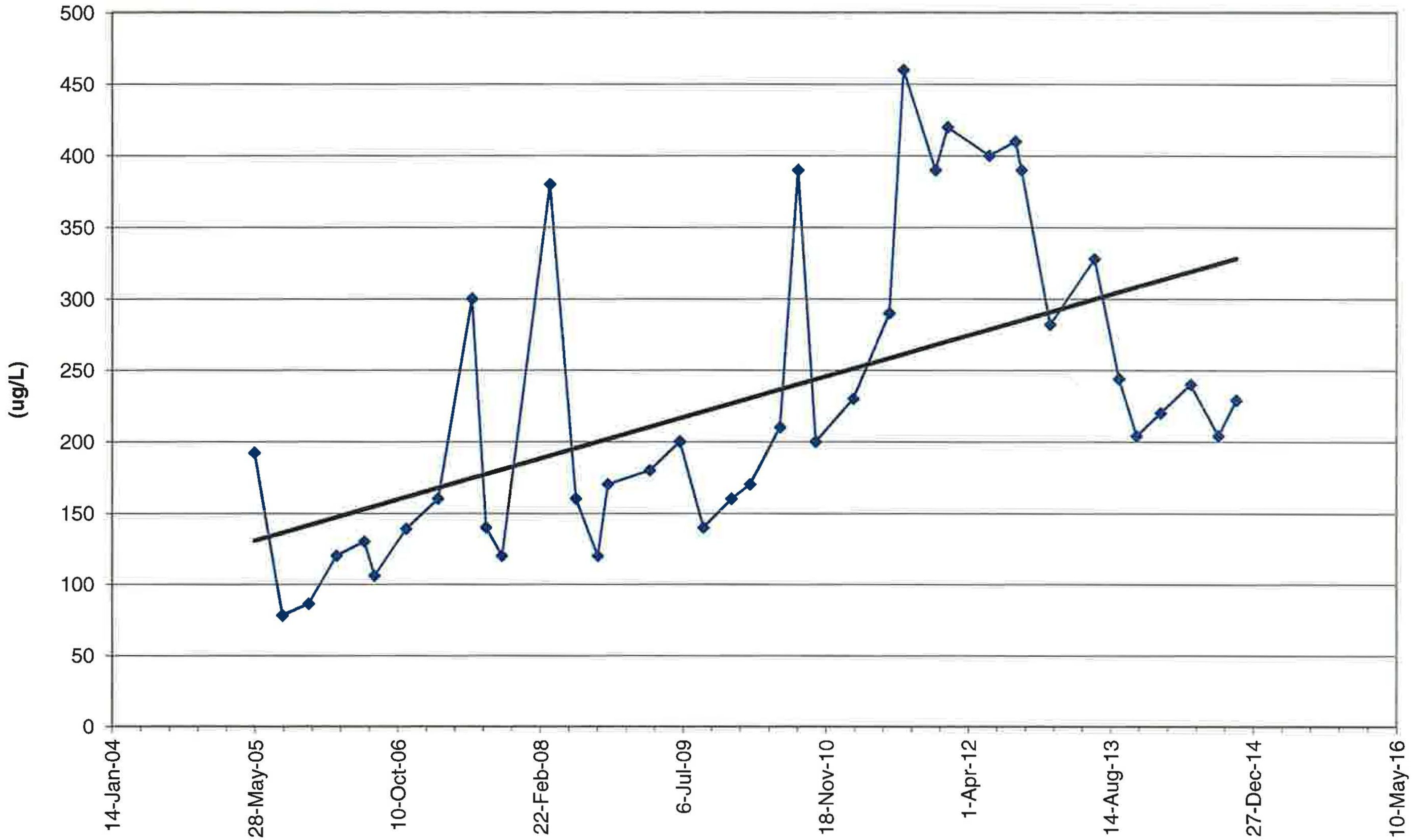
TW4-19 Chloroform Values

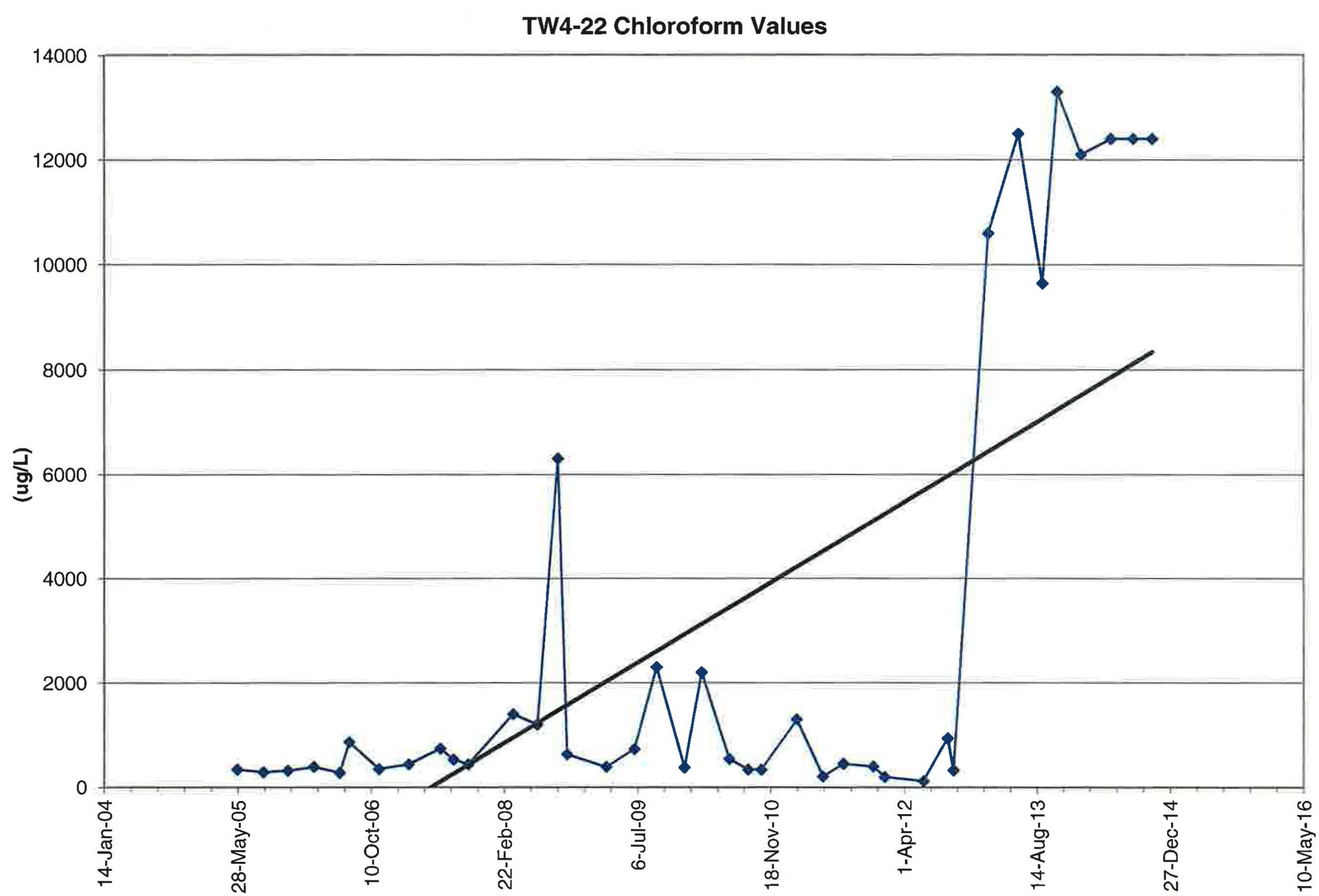


TW4-20 Chloroform Values

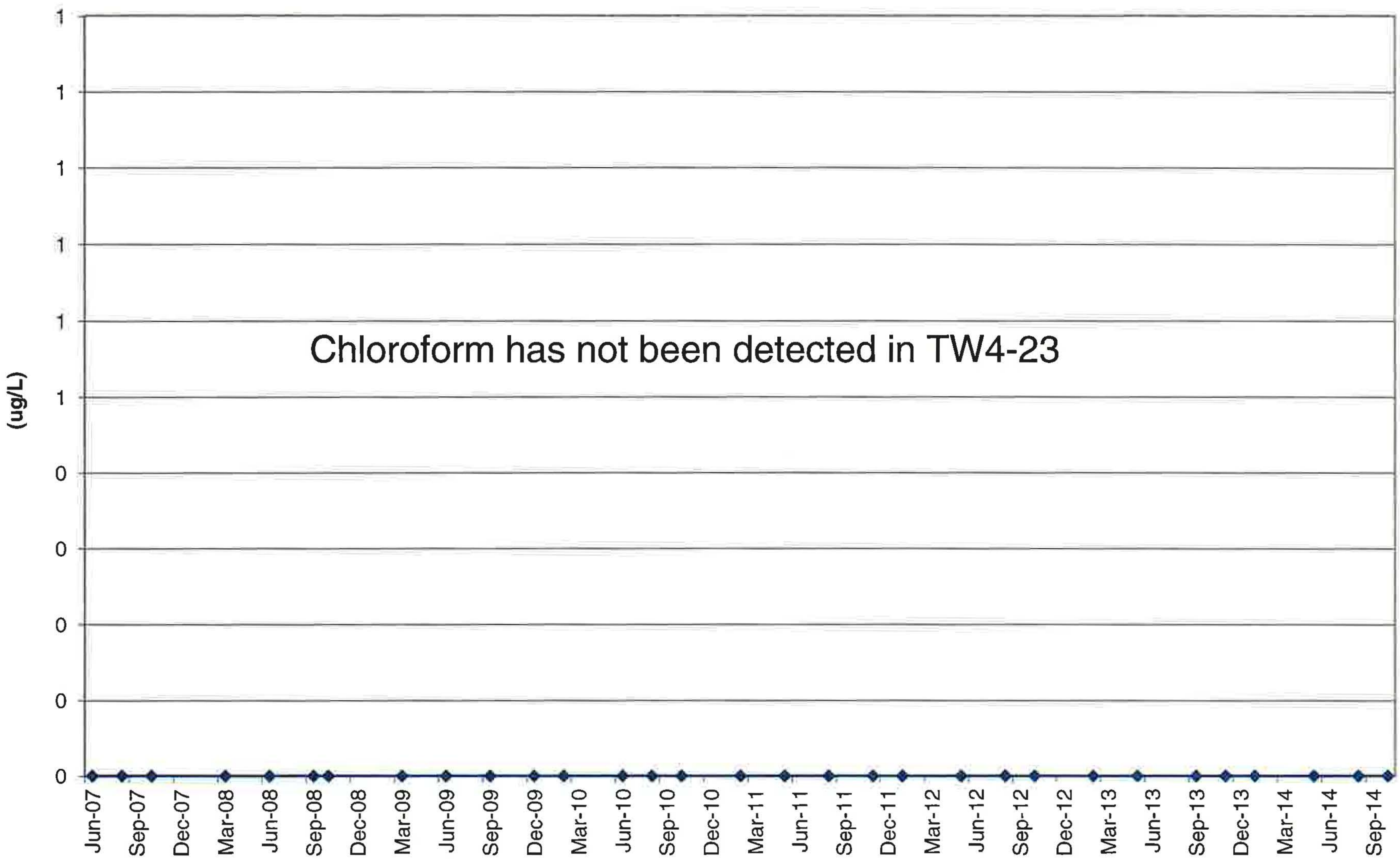


TW4-21 Chloroform Values

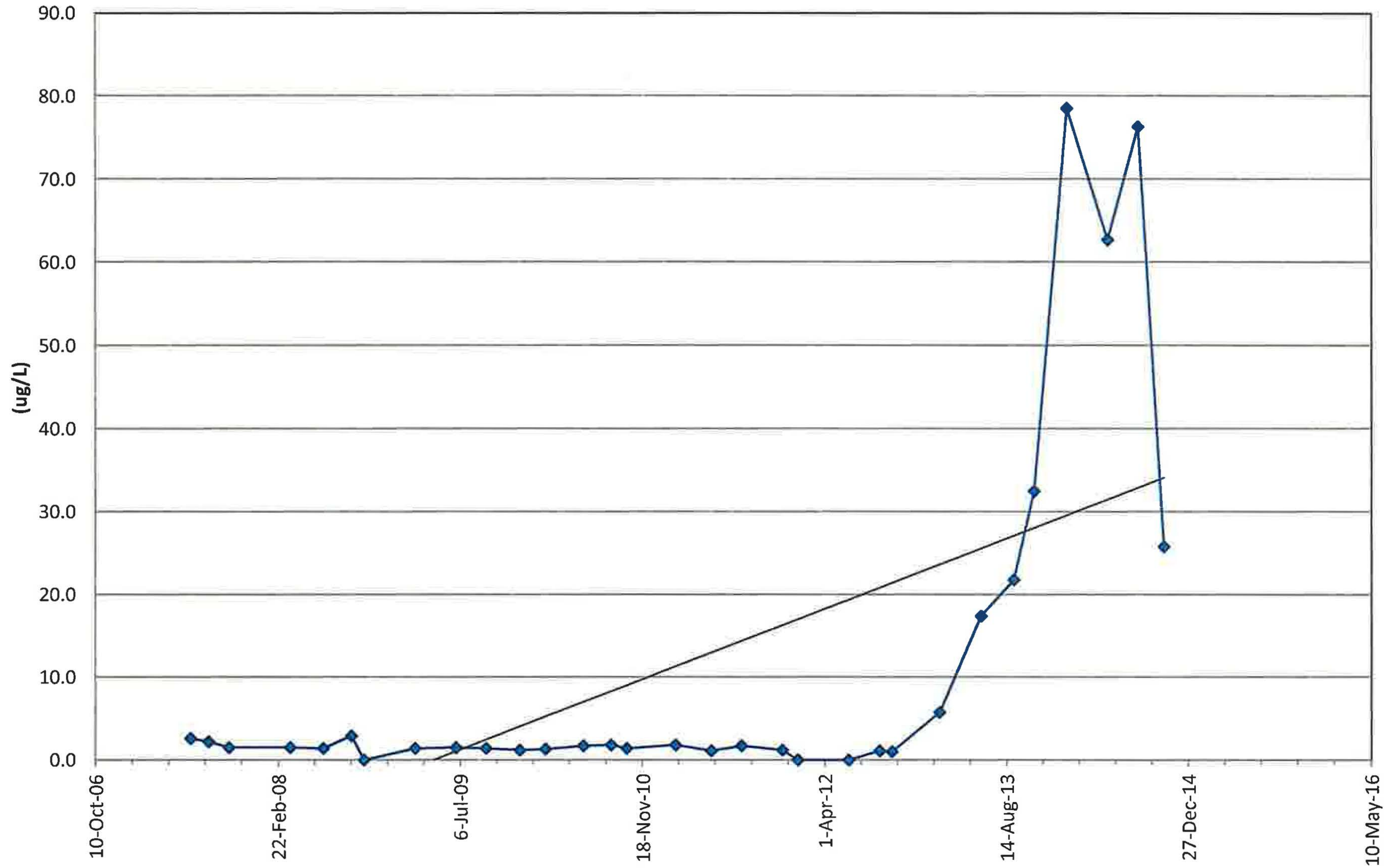



TW4-22 Chloroform Values
(ug/L)
14000
12000
10000
8000
6000
4000
2000
0
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14
10-May-16

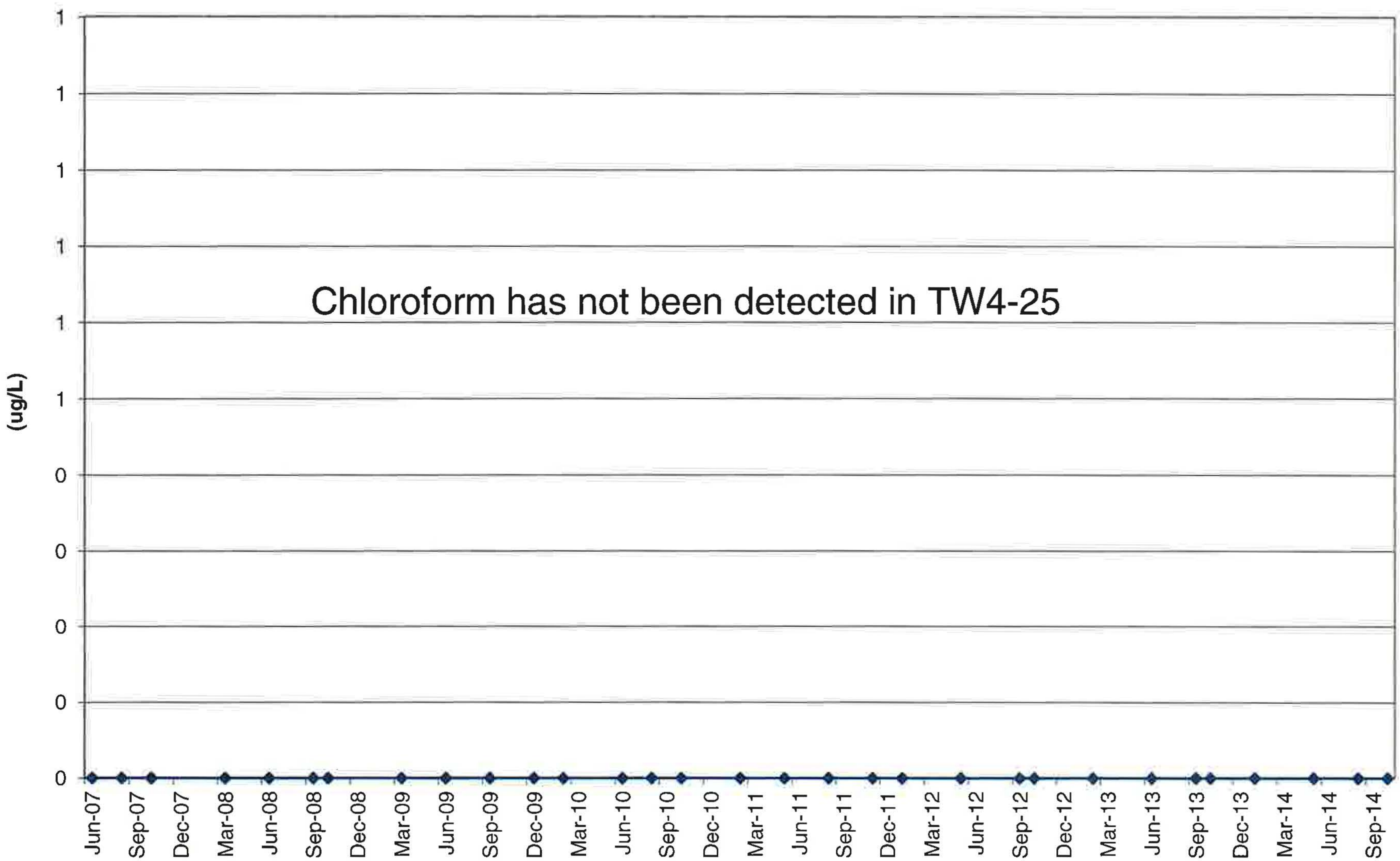
TW4-23 Chloroform Values

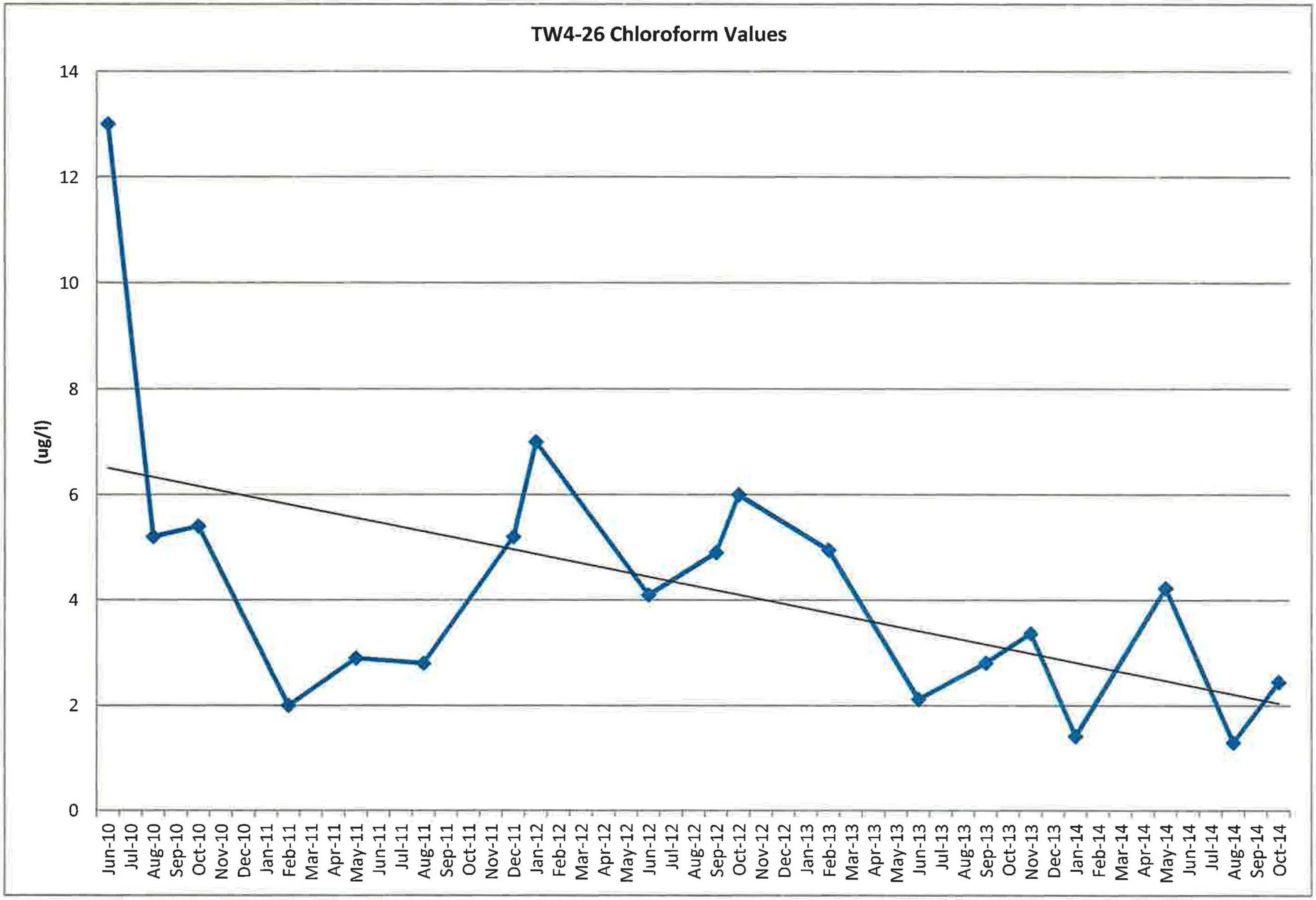


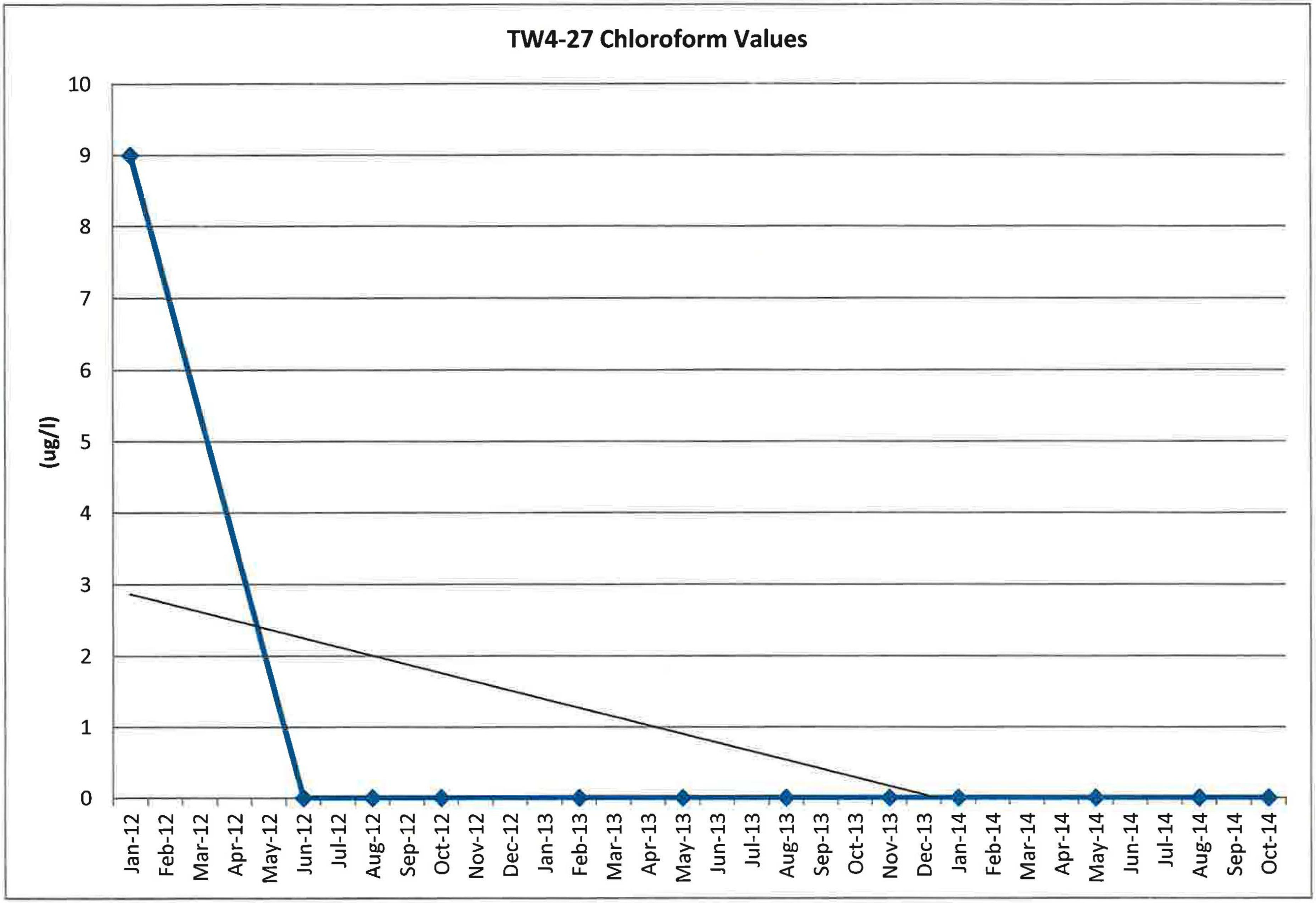
TW4-24 Chloroform Values



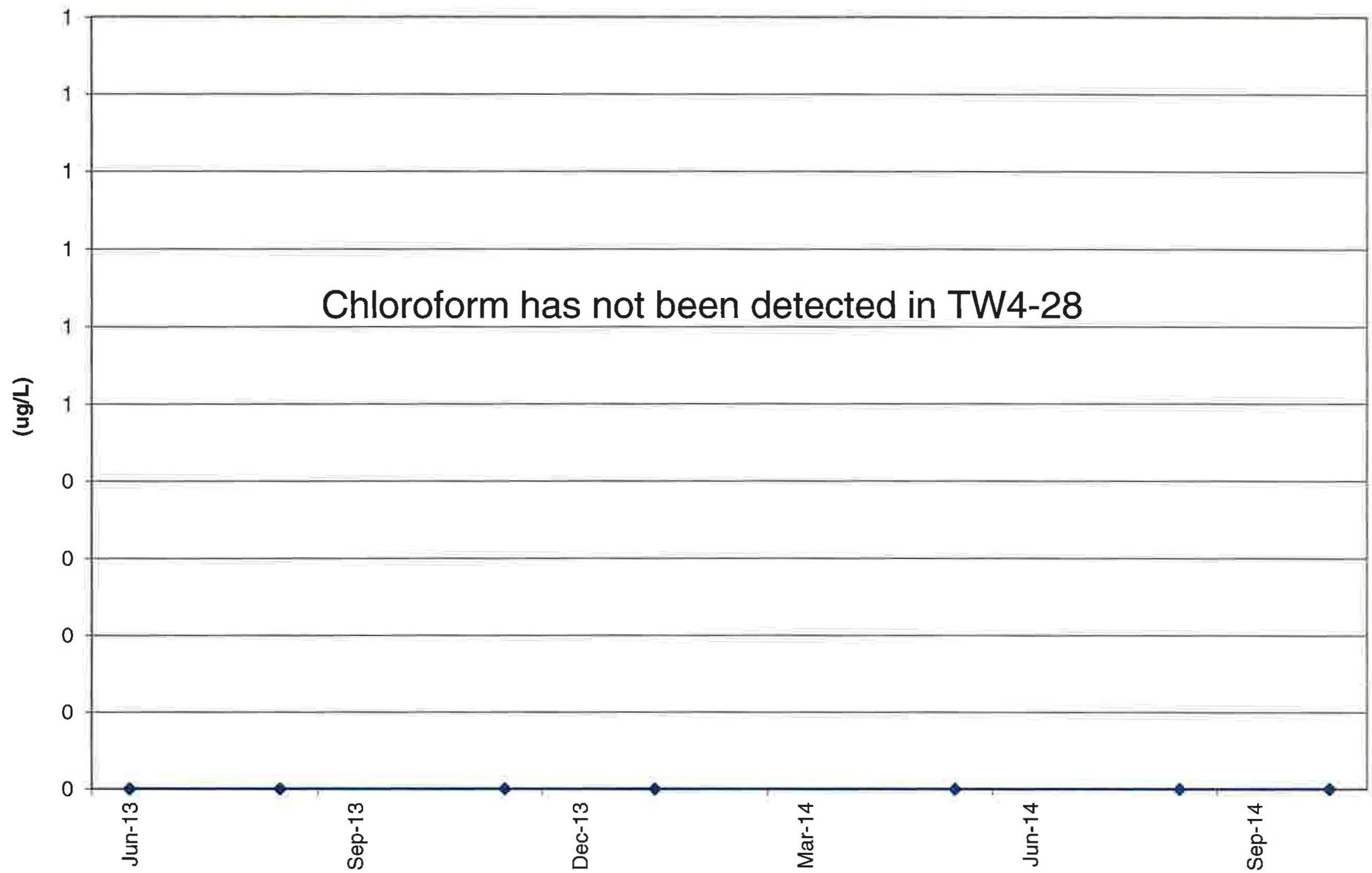
TW4-25 Chloroform Values

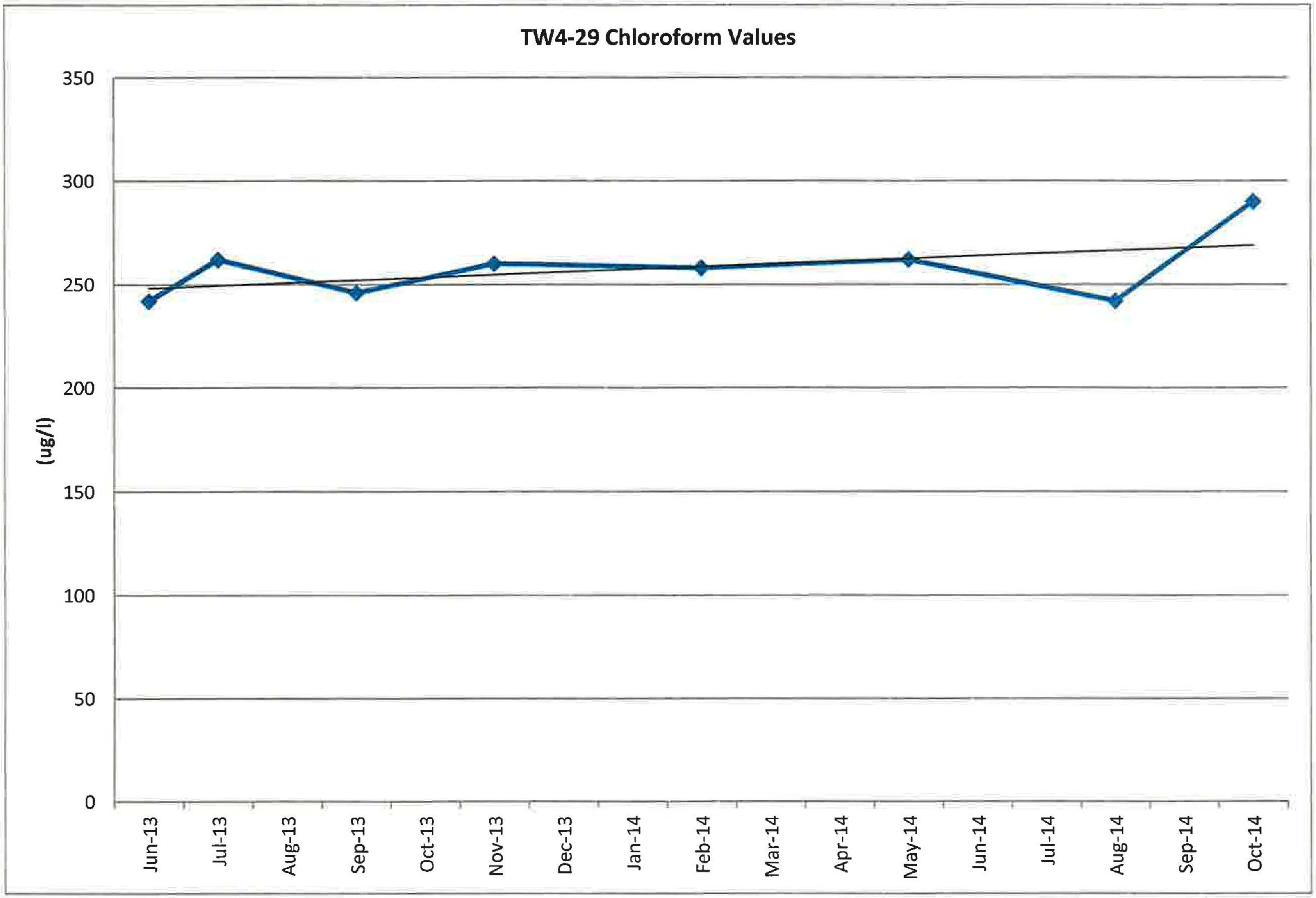



TW4-26 Chloroform Values
(ug/l)
0
2
4
6
8
10
12
14
Jun-10
Jul-10
Aug-10
Sep-10
Oct-10
Nov-10
Dec-10
Jan-11
Feb-11
Mar-11
Apr-11
May-11
Jun-11
Jul-11
Aug-11
Sep-11
Oct-11
Nov-11
Dec-11
Jan-12
Feb-12
Mar-12
Apr-12
May-12
Jun-12
Jul-12
Aug-12
Sep-12
Oct-12
Nov-12
Dec-12
Jan-13
Feb-13
Mar-13
Apr-13
May-13
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13
Dec-13
Jan-14
Feb-14
Mar-14
Apr-14
May-14
Jun-14
Jul-14
Aug-14
Sep-14
Oct-14

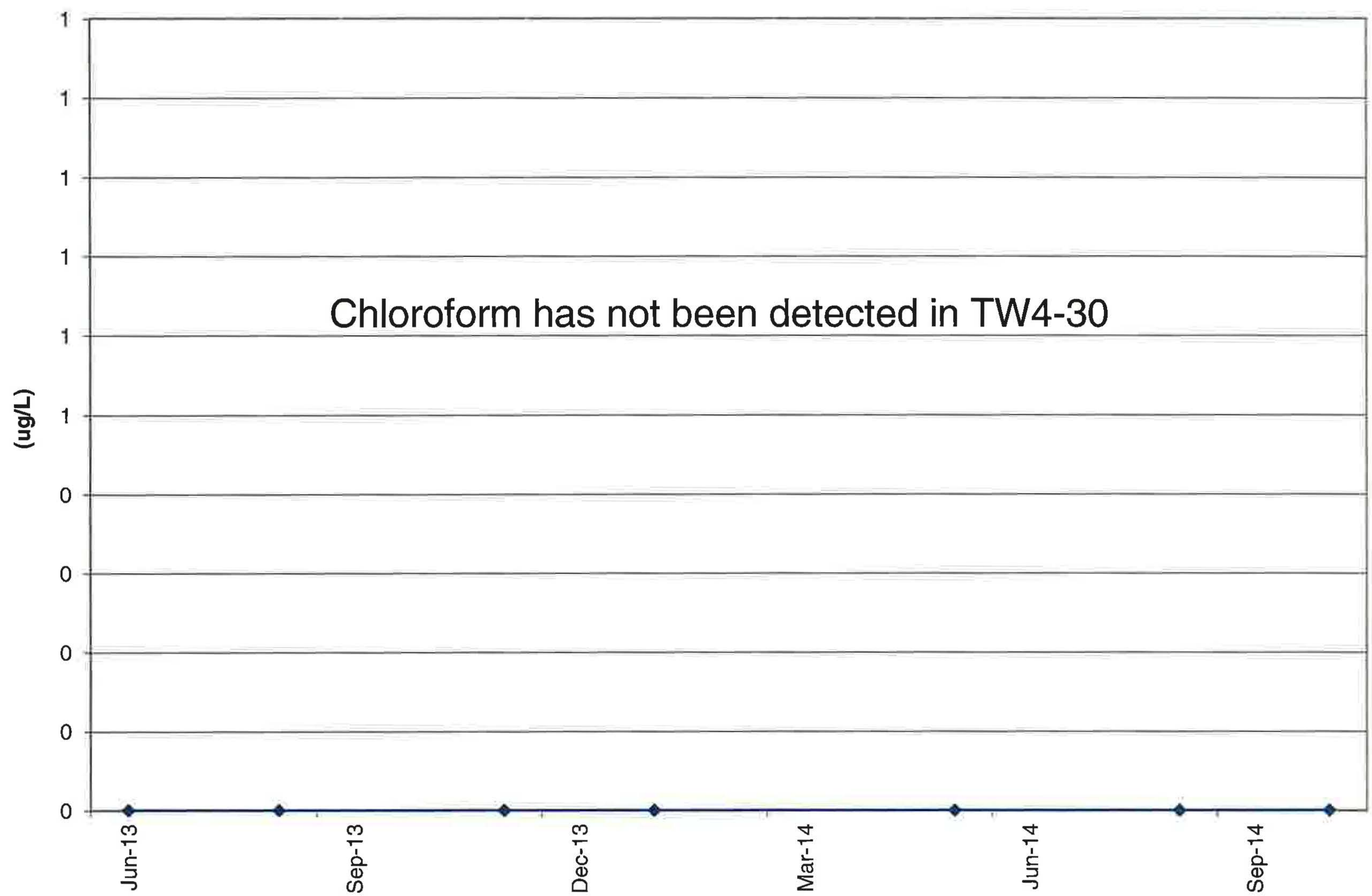

TW4-27 Chloroform Values
(ug/l)
10
9
8
7
6
5
4
3
2
1
0
Jan-12
Feb-12
Mar-12
Apr-12
May-12
Jun-12
Jul-12
Aug-12
Sep-12
Oct-12
Nov-12
Dec-12
Jan-13
Feb-13
Mar-13
Apr-13
May-13
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13
Dec-13
Jan-14
Feb-14
Mar-14
Apr-14
May-14
Jun-14
Jul-14
Aug-14
Sep-14
Oct-14

TW4-28 Chloroform Values

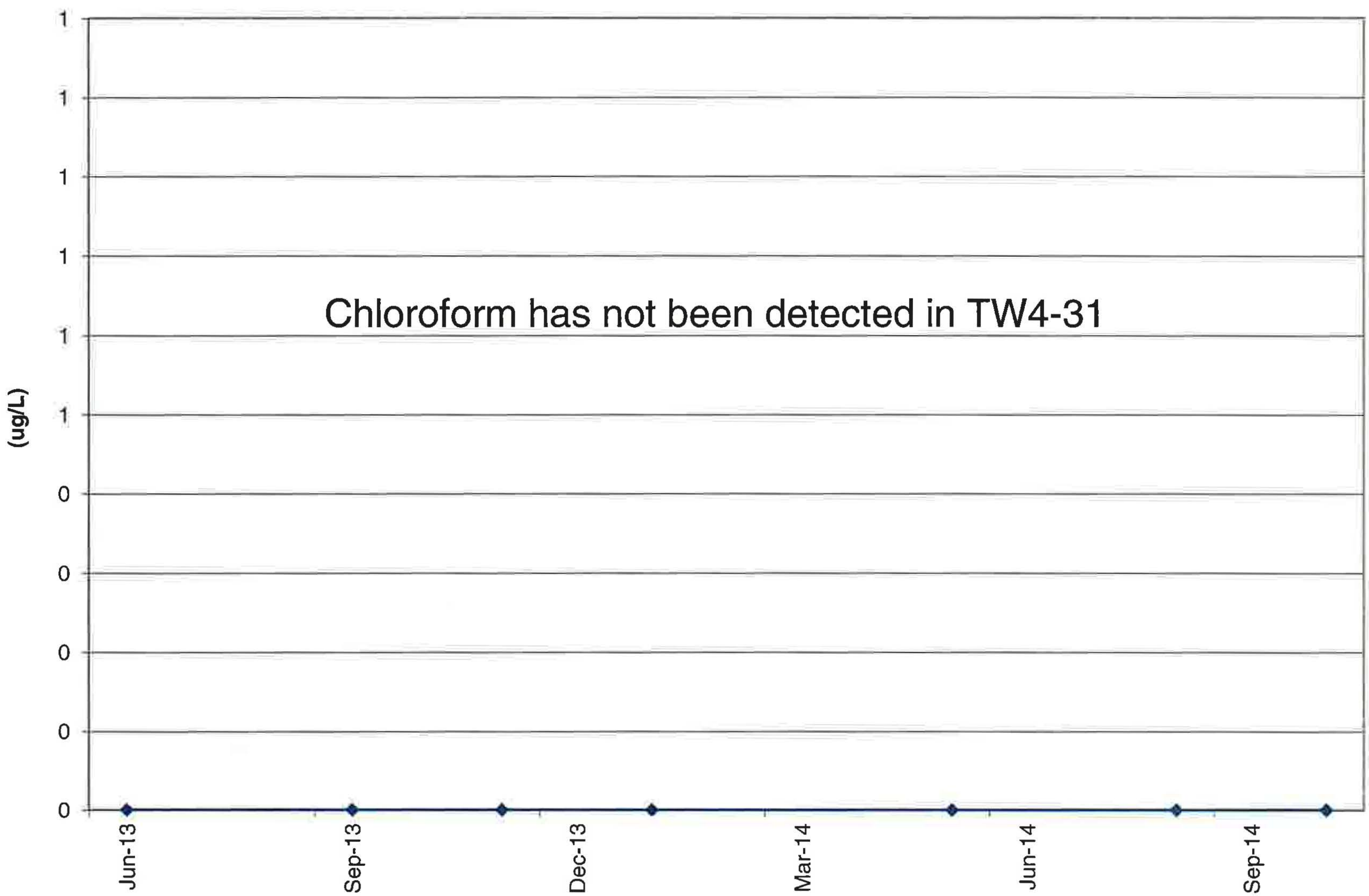



TW4-29 Chloroform Values
(ug/l)
350
300
250
200
150
100
50
0
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13
Dec-13
Jan-14
Feb-14
Mar-14
Apr-14
May-14
Jun-14
Jul-14
Aug-14
Sep-14
Oct-14

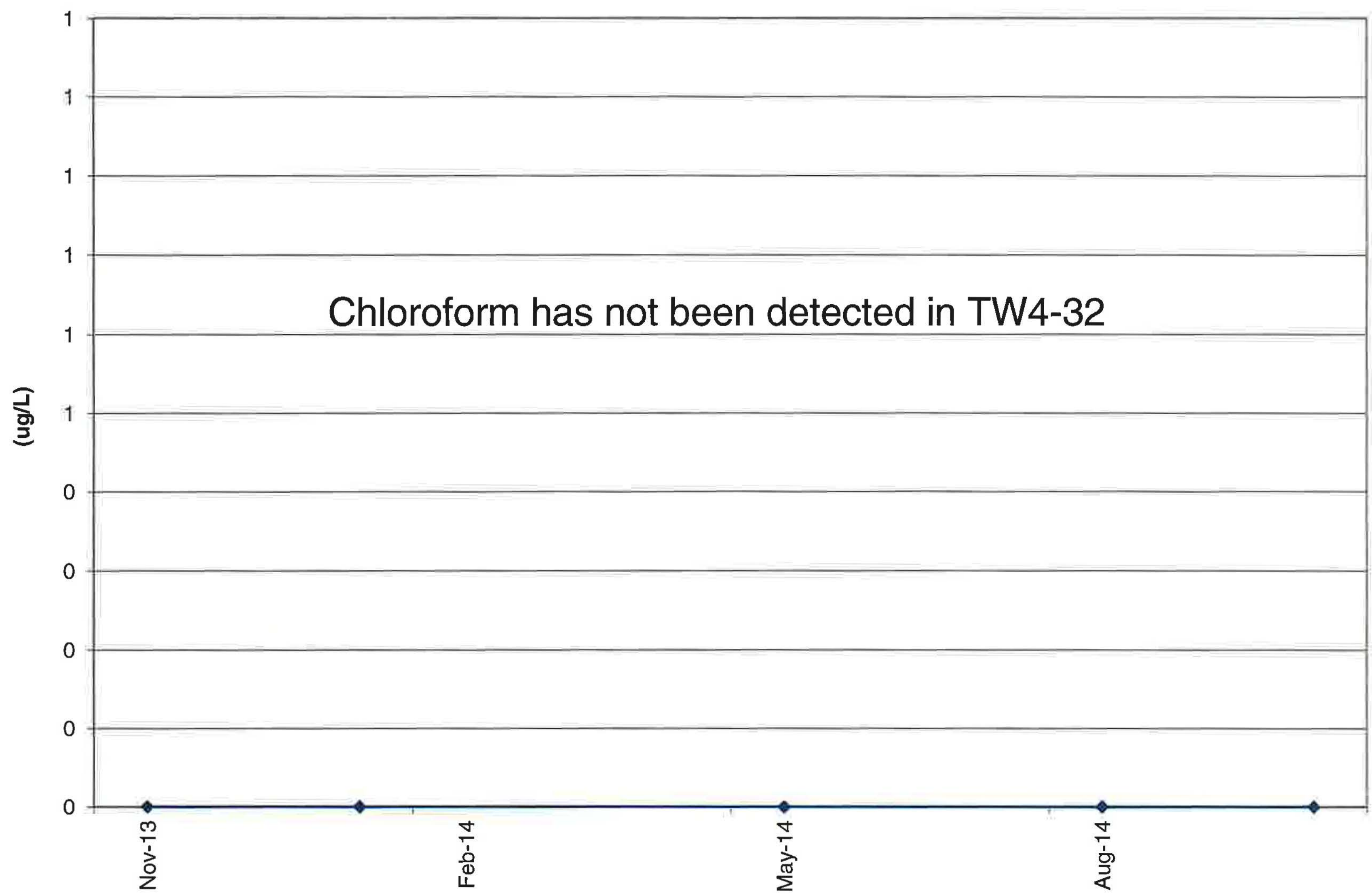
TW4-30 Chloroform Values

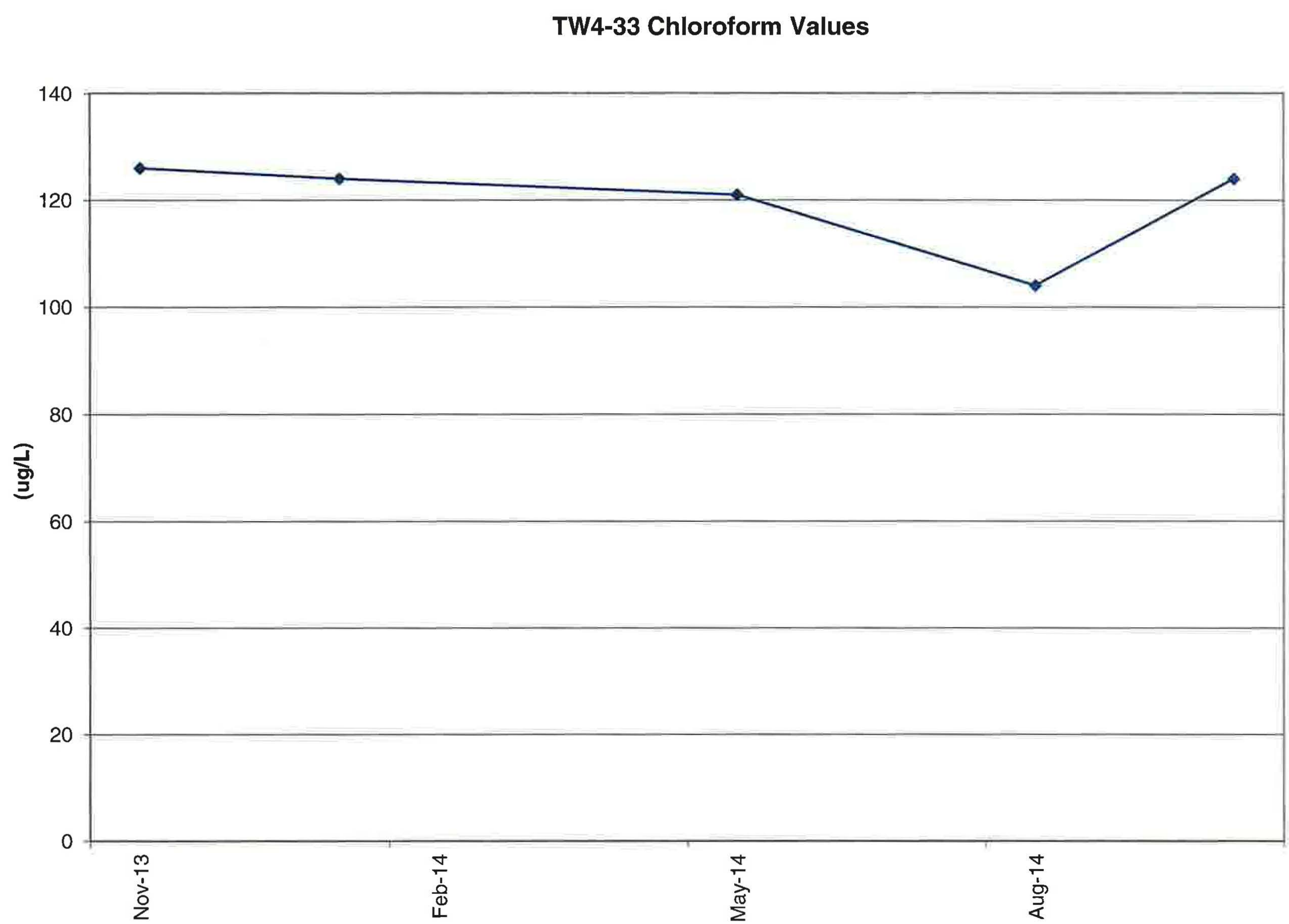


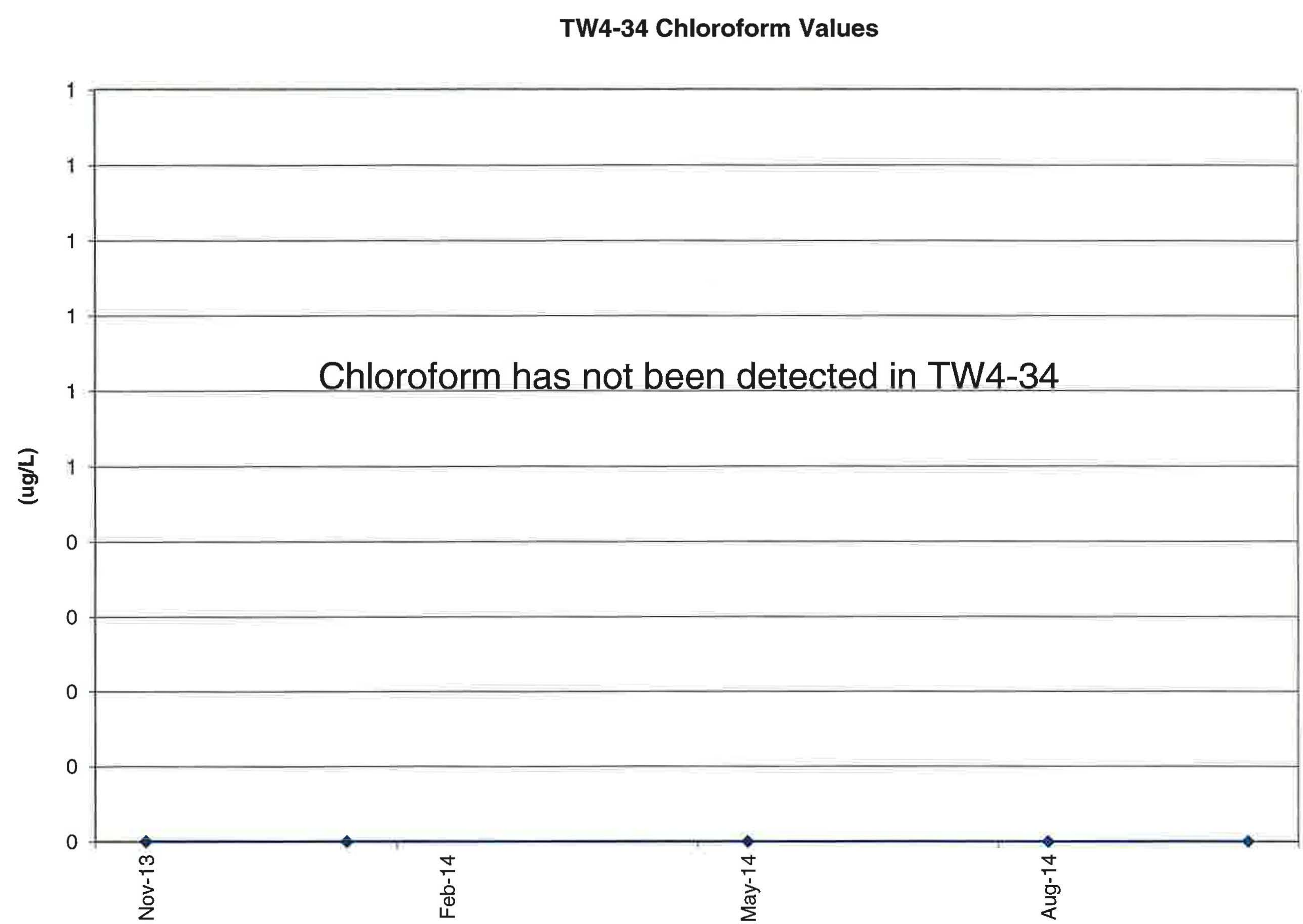
TW4-31 Chloroform Values



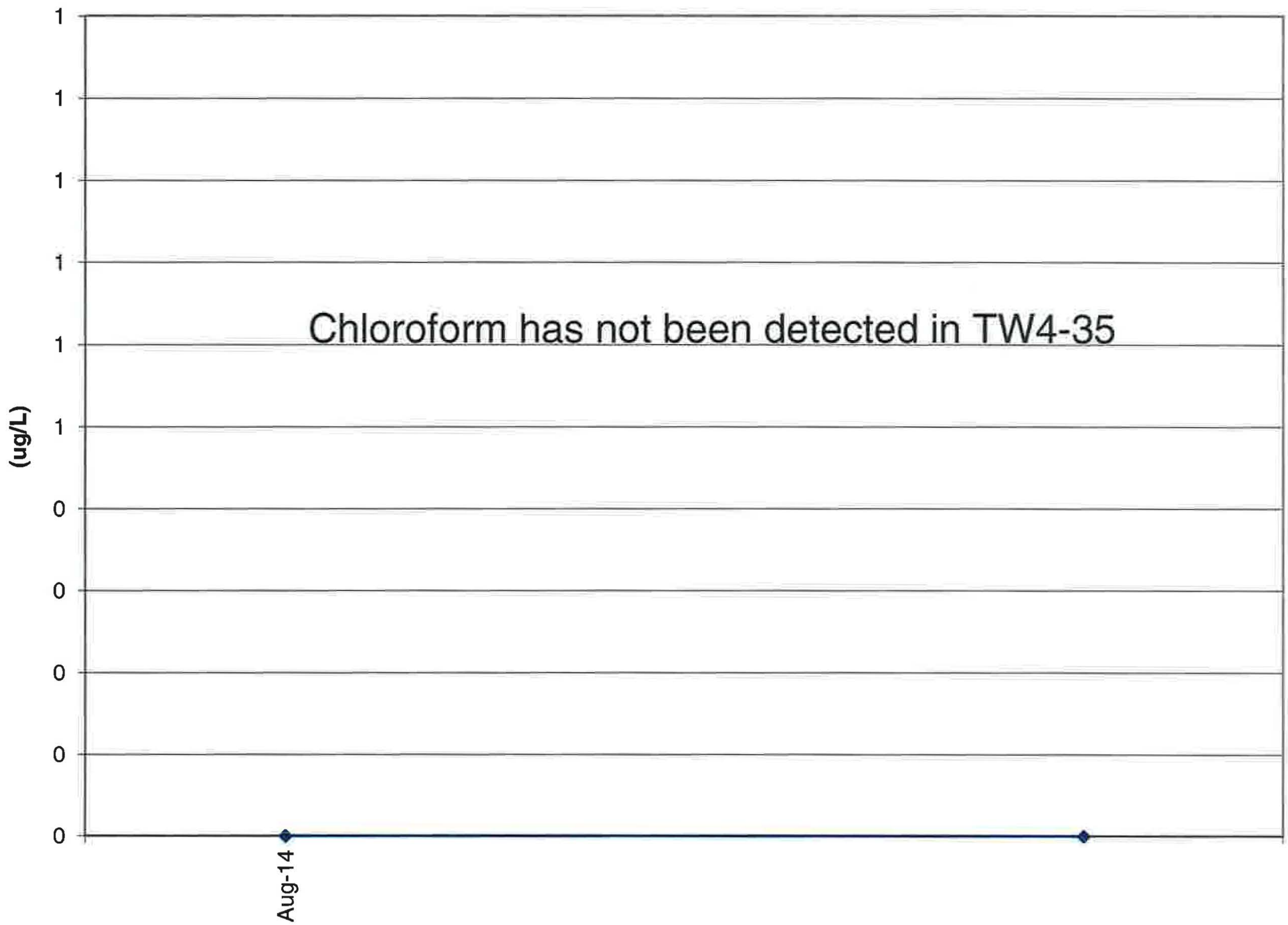
TW4-32 Chloroform Values



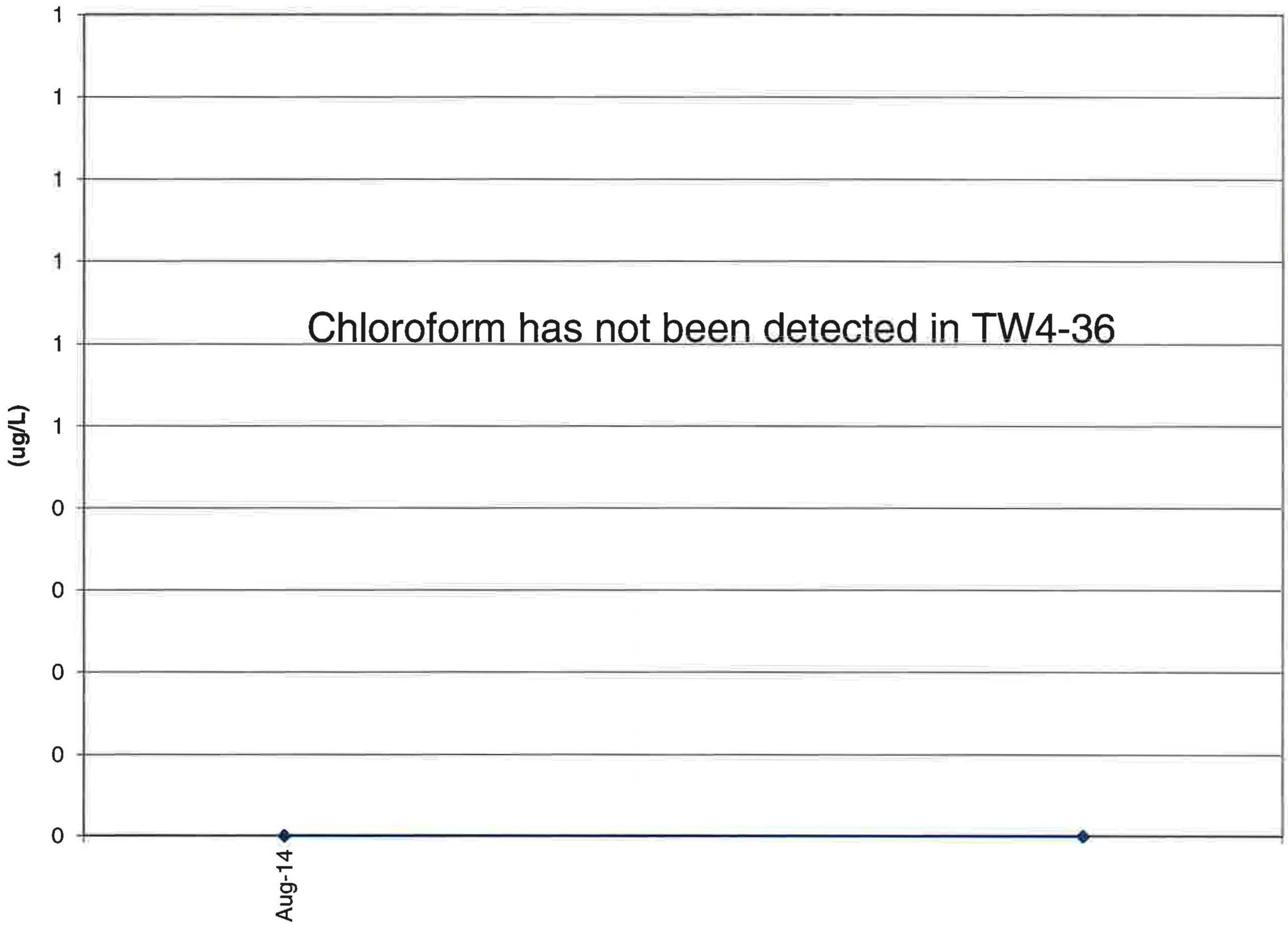

TW4-33 Chloroform Values
140
120
100
80
60
40
20
0
(ug/L)
Nov-13
Feb-14
May-14
Aug-14


TW4-34 Chloroform Values
1
1
1
1
1
1
0
0
0
0
0
(ug/L)
Chloroform has not been detected in TW4-34
Nov-13
Feb-14
May-14
Aug-14

TW4-35 Chloroform Values



TW4-36 Chloroform Values



Tab M

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Wednesday, February 25, 2015 8:45 AM
To: Rusty Lundberg
Cc: 'Phil Goble'; 'Dean Henderson'; Harold Roberts; David Frydenlund; Jaime Massey; David Turk; Scott Bakken; Dan Hillsten
Subject: Transmittal of CSV Files White Mesa Mill 2014 Q4 Chloroform Monitoring
Attachments: 1410353-EDD.csv; 1410466-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 2014, in Comma Separated Value (CSV) format.

Please contact me at 303-389-4134 if you have any questions on this transmittal.

Yours Truly

Kathy Weinel

Tab N

5-Day Notice Pursuant to the Chloroform Pumping Well Operations and Maintenance Plan,

January 5, 2015

ENERGY FUELS

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

VIA EMAIL AND OVERNIGHT DELIVERY

January 5, 2015

Mr. Rusty Lundberg
Director of the Utah Division of Radiation Control
State of Utah Department of Environmental Quality
195 North 1950 West
P.O. Box 144850
Salt Lake City, UT 84116-4850

Re: White Mesa Uranium Mill – Notice of Violation and Corrective Action Order
UDEQ Docket No. UGW-20-01
Notice Pursuant to the Chloroform Pumping Well Operations and Maintenance Plan

Dear Mr. Lundberg:

Pursuant to the White Mesa Mill's (the "Mill's") Chloroform Pumping System Operations and Maintenance Plan ("Chloroform O&M Plan") Energy Fuels Resources (USA) Inc., ("EFRI") as operator of the Mill, is providing written Notice to the Utah Division of Radiation Control ("DRC") of a temporary outage in six chloroform capture pumping wells, as described in more detail below.

The Mill's Chloroform Pumping O&M Plan states that EFRI will notify DRC of malfunctions or abnormal operations that cannot be made operational within 24 hours of discovery. It was determined on Monday, December 29, 2014 that unscheduled down time had occurred which would last more than 24 hours. The down time was the caused by frozen transfer lines resulting from system/water line upgrades necessary to add three more continuous pumping wells to the chloroform pumping network. The down time during construction caused six continuous pumping wells to be off (not pumping) until the completion of construction. Initial notice of this outage was given by telephone to Mr. Phil Goble of DRC at approximately 1:00 pm on Monday December 29, 2014 (within 24 hours of the discovery).

1. Description of the Pumping System Outage

a) The Mill's Chloroform O&M Plan, approved by DRC on April 8, 2013 states that EFRI will notify DRC of malfunctions or abnormal operation that cannot be "repaired and fully made operational within 24 hours of discovery."

b) Pursuant to the draft chloroform Corrective Action Plan ("CAP"), EFRI voluntarily began conversion of chloroform wells TW4-1, TW4-2, TW4-11, and from monitoring wells to continuously pumping wells.

c) The conversion of TW4-1, TW4-2, and TW4-11 from monitoring wells to continuously pumping wells required that the discharge lines be up-sized from a 1-inch line to a 4-inch line in order to handle the additional pumped water.

d) The up-sizing of the discharge line required that the old 1-inch lines be excavated while the 4-inch lines were connected. During the excavation the 1-inch lines, which were still connected to the existing pumping system, were exposed to the elements in the open trench.

e) The Mill experienced below freezing temperatures for most of the week prior to December 29, 2014.

f) Pumping wells MW-4, MW-26, TW4-4, TW4-20, TW4-22, and TW4-24 discharge into the line that was exposed during the construction. When the discharge line froze during the up-sizing, the pumping in these wells was temporarily stopped.

g) Mill personnel discovered, at approximately 10:30 am on December 29, 2014, that pumping in MW-4, MW-26 and TW4-4 had stopped due to the discharge line freezing.

h) Mill personnel notified the EFRI Quality Assurance Manager ("QAM") of the cessation of pumping.

i) The EFRI QAM notified Mr. Phil Goble of DRC at approximately 1:00 pm on Monday December 29, 2014 of the cessation of pumping.

j) Mill personnel notified the EFRI QAM at approximately 3:00 pm on Monday December 29, 2014 that three additional wells which discharge to the exposed line had also frozen. The three additional wells are: TW4-20, TW4-22, and TW4-24.

k) All of the pumps stopped when the discharge lines froze. The pumps were manually disconnected to prevent damage to the pumps or flow measurement instrumentation.

l) Upon completion of the construction and thawing of the line (if necessary), the pumps will be reconnected and the system will be placed back into service. It is anticipated that the pumping system will be back in service on or before January 9, 2015.

2. Root Cause

The root cause analysis is as follows:

a) A frozen discharge line caused the temporary outage and cessation of pumping.

b) Due to the length of the discharge line, cold weather challenges, and the additional piping needed for the three new pumping wells, the construction could not be completed within a 24 window.

3. Period of Time the System Was Not in Operation

The pumps ceased operation on December 29, 2014. It is anticipated that the pumping system will be fully operational on or before January 9, 2015.

4. Date By Which the Pumping System Will Be Repaired and Operational

Pumping is expected to resume on or before January 9, 2015. This incident will be discussed in the appropriate quarterly chloroform reports as required by the Chloroform O&M Plan.

5. Steps taken to Repair and Have the System Fully Operational

a) Construction and up-sizing activities are being completed with all of the resources available at the Mill.

b) The system does not require repair and the temporary down time is the result of upgrades to the system and the addition of three pumping wells to the system. The three wells are being added prior to the final implementation of the chloroform CAP on a voluntary basis.

6. Steps Taken or That Will be Taken to Eliminate and Prevent Recurrence of System Failures

Since the temporary outage was not the result of a system failure but due to upgrades a formal corrective action is unnecessary. EFRI will strive to complete future system upgrades and pumping system additions in warmer weather as regulatory deadlines allow.

7. Additional Factors to Be Taken into Account

Although this incident does not fall within UAC R317-6-6.16, EFRI believes that the following should be taken into account by DRC in evaluating this incident.

a) Notification

By virtue of the initial oral notification given to DRC at 1:00 pm on Monday December 29, 2014 (within 24 hours of the discovery) and this written notice, EFRI has submitted notification as required by the EFRI chloroform O & M Plan.

b) Failure was not Intentional or Caused by EFRI's Negligence

The failure of the pumping system was not due to negligence on the part of EFRI or Mill personnel.

c) EFRI has Taken Adequate Measures to Meet the Conditions of the Chloroform O & M Plan

Mill personnel notified Corporate Compliance personnel within hours of the incident. DRC was notified on the same day as the incident, and within 24 hours. Mill personnel have dedicated all available resources to the completion of the system additions and upgrades to reduce the amount of time the system is temporarily down.

d) The Provisions of UCA 19-5-107 Have Not Been Violated

The provisions of Utah Code 19-5-107 have not been violated. There has been no discharge of a pollutant into waters of the state. EFRI has not caused pollution which constitutes a menace to public health and welfare, or is harmful to wildlife, fish or aquatic life, or impairs domestic, agricultural, industrial, recreational, or other beneficial uses of water, nor has EFRI placed or caused to be placed any waste in a location where there is probable cause to believe it will cause pollution.

If you have any questions, please contact me at (303) 389-4134.

Yours very truly,

Kathy Weinel

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

cc Phil Goble
Dean Henderson, DRC
Dan Hillsten
Harold R. Roberts
David E. Turk