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

DRC-2015-002543

May 20, 2015

Sent VIA OVERNIGHT DELIVERY

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

Re: Transmittal of 1st Quarter 2015 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 1st Quarter of 2015 as required by the Notice of Violation and Groundwater Corrective Action Order, UDEQ Docket No. UGW-20-01 as well as two CDs each containing a word searchable electronic copy of the report.

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

Yours very truly,

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

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

1st Quarter
(January through March)
2015

Prepared by:

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

May 20, 2015

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1.0 INTRODUCTION

The presence of chloroform was initially identified in groundwater at the White Mesa Mill (the "Mill") as a result of split sampling performed in May 1999. The discovery resulted in the issuance of State of Utah Notice of Violation ("NOV") and Groundwater Corrective Action Order ("CAO") State of Utah Department of Environmental Quality ("UDEQ"), 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 first quarter of 2015 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, TW4-1, TW4-2, TW4-11, 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, TW4-1, TW4-2, TW4-11, 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 twelve 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 TW4-05, TW4-08, TW4-09, 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 TW4-03, TW4-06, TW4-07, TW4-10, TW4-12, 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, TW4-01, TW4-02, TW4-04, TW4-11, MW-26, TW4-19, TW4-20, TW4-22, TW4-24, and TW4-25 are continuously pumped wells. These wells are pumped on a set schedule per the remediation plan and are considered sufficiently evacuated to immediately collect a sample.

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

The review of the field sheets for compliance with QAP, Revision 7.2 requirements resulted in the observations noted below. The QAP requirements in Attachment 2-3 specifically state that field parameters must be stabilized to within 10% over at least 2 consecutive measurements for wells purged to 2 casing volumes or purged to dryness. The QAP Attachment 2-3 states that turbidity should be less than 5 NTU prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP Attachment 2-3 does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations below regarding turbidity measurements greater than 5 NTU are included for information purposes only.

Wells TW4-01, TW4-05, TW4-08, TW4-09, TW4-16, MW-32, 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.

Wells TW4-1, TW4-2, and TW4-11 were added to the chloroform pumping network this quarter, and have lowered water levels in the general vicinity of chloroform pumping well MW-4. Decreases in water levels were especially evident at non-pumping wells TW4-7 and TW4-8.

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 that occurred 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 5530.9 feet above mean sea level ("ft amsl"). This is approximately 7 feet lower than the water level at TW4-6 (approximately 5538.0 ft amsl) and 11 feet lower than the water level at TW4-4 (approximately 5541.5 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 5527.7 ft amsl, similar to TW4-14 (approximately 5530.9 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 (5536.4 feet amsl) is, however, lower than water levels at adjacent wells TW4-6 (5538.0 feet amsl), and TW4-23 (5539.5 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 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, first quarter, 2015 chloroform concentrations at TW4-26 and TW4-27 are 2.4 μg/L and non-detect, respectively and both wells are outside the chloroform plume.

Hydraulic tests also indicate that the permeability at recently installed 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 detected at only approximately 1.7 μg/L at recently installed well TW4-30 (located east and downgradient of TW4-29), and was not detected at recently installed wells TW4-31 (located east of TW4-27), nor TW4-34 (located south and cross-gradient of TW4-29), nor at 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, and recently installed 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 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 recently installed 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, however, concentrations at TW4-29 and TW4-33 appear to be relatively stable, possibly the result of the dual impacts of reduced dilution from wildlife ponds and TW4-4 pumping.

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

A comparison of the water table contour maps for the current quarter (first quarter of 2015) to the water table contour maps for the previous quarter (fourth quarter of 2014) indicates relatively large drawdowns (decreases in water levels) associated with operation of new chloroform pumping wells TW4-1, TW4-2, and TW4-11. Smaller increases in drawdowns occurred at nearby chloroform pumping wells MW-4 and TW4-4. Drawdowns associated with chloroform pumping wells TW4-19 and TW4-20 decreased this quarter.

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 well TW4-22 showed a decrease, the water levels at TW4-24, TW4-25, and TWN-2 showed increases 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 primarily in the vicinity of new chloroform pumping wells TW4-1, TW4-2, and TW4-11. Reported decreases in water levels (increases in drawdown) of approximately 4.2, 7.1, 2.2, 31, and 12 feet occurred in chloroform pumping wells TW4-1, TW4-2, TW4-4, and TW4-11, and nitrate pumping well TW4-22, respectively. Increases in water level (decreases in drawdown) of approximately 6.9, 5, 6.3, and 6.3 feet were reported for chloroform pumping wells MW-26, TW4-19, TW4-20, and nitrate pumping well TW4-25, respectively. The change in water level at chloroform pumping well MW-4 was 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 increases in water levels (decreases in drawdown) occurred in some pumping wells and decreases in water levels (increases in drawdown) occurred in others, and new chloroform pumping wells TW4-1, TW4-2, and TW4-11 were brought online, the overall apparent capture area of the combined system is about the same as last quarter.

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 1.2 feet and 1.4 feet at Piezometers 4 and 5, respectively, may result from reduced recharge at the southern wildlife pond.

Reported water levels increased by approximately 4.3 feet at MW-20 and by approximately 2.5 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. An increase in water level of approximately 2.9 feet was reported at DR-17; a similar decrease was reported last quarter. Water level decreases of approximately 4 feet and 8 feet at TW4-7 and TW4-8, respectively, likely result from the start-up of pumping at TW4-1, TW4-2, and TW4-11.

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. Relatively large cones of depression have developed in the vicinities of wells TW4-1, TW4-2,

and TW4-11 which began pumping this quarter. The water level contour maps indicate effective capture of water containing high chloroform concentrations in the vicinities of these pumping wells. Increased capture and chloroform removal rates are also expected once new well TW4-37 (installed this quarter between chloroform pumping well TW4-20 and nitrate pumping well TW4-22) becomes operational. As discussed in Section 4.1.1, although chloroform pumping well TW4-4 became operational in 2010, the drawdown associated with 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, both increases and decreases in water levels occurred at nitrate and chloroform pumping wells. The water levels in chloroform pumping wells MW-4, TW4-1, TW4-2, TW4-4, and TW4-11 decreased by approximately 1 foot, 4 feet, 7 feet, 2 feet, and 31 feet, respectively, while water levels in chloroform pumping wells MW-26, TW4-19, and TW4-20 increased by approximately 7 feet, 5 feet, and 6 feet, respectively. The water level in nitrate pumping well TW4-22 decreased by nearly 12 feet. Water levels in nitrate pumping wells TW4-24, TW4-25, and TWN-2 increased by approximately 1 foot, 6 feet, and 4 feet, respectively. While the apparent capture of the combined pumping systems has expanded in some areas and been reduced in others, the overall capture area is about the same as 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 961 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 723 μg/L last quarter, to 1,180 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 with continued operation of wells TW4-1, TW4-2, and TW4-11 which became operational this quarter.

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 eventually 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. However, relatively stable concentrations at TW4-29 and TW4-33 since installation may indicate the dual impacts of TW4-4 pumping and reduced dilution from the wildlife ponds.

Chloroform analytical results from recently installed 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: TW4-6, TW4-8, TW4-11, TW4-21, and TW4-24;

b) Chloroform concentrations decreased by more than 20% in the following wells compared to last quarter: MW-26, TW4-2, TW4-9, and TW4-16;

c) Chloroform concentrations have remained within 20% in the following wells compared to last quarter: MW-4, TW4-1, TW4-4, TW4-5, TW4-7, TW4-10, TW4-14, TW4-18, TW4-19, TW4-20, TW4-22, TW4-26, 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, TW4-31, TW4-32, TW4-34, TW4-35, and TW4-36; and

e) Chloroform increased from non-detect to approximately 1.7 μg/L in TW4-30.

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, TW4-2, TW4-6, TW4-8, TW4-9, TW4-11, TW4-16, TW4-21, and TW4-24 had changes in concentration greater than 20%. Of these, MW-26, TW4-2, and TW4-11 are chloroform pumping wells, and TW4-24 is a nitrate pumping well. TW4-6 is located adjacent to chloroform pumping well TW4-4; TW4-8 is located adjacent to chloroform pumping well MW-4; TW4-9 is located near chloroform pumping wells MW-26, TW4-19, and TW4-20; TW4-16 is located adjacent to chloroform pumping wells TW4-11 and MW-26; and TW4-21 is located between chloroform pumping well TW4-19 and nitrate pumping well TW4-25. Fluctuations in concentrations at both chloroform and nitrate pumping wells and wells adjacent to pumping wells likely result in part from changes in pumping.

The chloroform concentration at TW4-9 decreased from approximately 101 μg/L to 54 μg/L, bringing the plume boundary back to the west of TW4-9. The increase at TW4-9 during the previous quarter was 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 19,900 and 12,700 μg/L, respectively. Since the last quarter, the chloroform concentration in TW4-20 decreased from 23,300 to 19,900 μg/L, the concentration in adjacent pumping well TW4-19 increased from 4,310 to 4,660 μg/L, and the concentration in nearby well TW4-21 increased from 229 to 292 μg/L. The chloroform concentration in nitrate pumping well TW4-22 increased from 12,400 μg/L to 12,700 μg/L. Although the chloroform concentration in TW4-24 increased from 25.8 to 49.2 μg/L, TW4-24 remains 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 191 μg/L to 961 μg/L. TW4-8 is located immediately east of chloroform pumping well MW-4, where chloroform was detected at a concentration of 1,400 μg/L. From the first quarter of 2005 through the fourth quarter of 2013, the plume boundary remained between MW-4 and TW4-8. 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 TW4-8 is bounded to the north by TW4-3 (non-detect), to the northeast by TW4-13 (non-detect), to the east by TW4-36 (non-detect), and to the southeast by TW4-14 (1.7 μg/L). The increase in chloroform at TW4-14 from non-detect to approximately 1.7 μg/L last quarter is consistent with ongoing, but slow, downgradient migration.

Chloroform at recently installed well TW4-29 (located at the southern tip of the plume, to the east of TW4-26 and to the south of TW4-27) increased slightly from 290 μg/L to 299 μg/L, Chloroform at TW4-30, located immediately downgradient of TW4-29, increased from non-detect to approximately 1.7 μg/L. As with TW4-14, the change at TW4-30 is consistent with ongoing, but slow, downgradient migration. Chloroform at TW4-29 is bounded to the north by TW4-27 (non-detect), to the east by TW4-30 (1.7 μg/L), to the southeast by TW4-35 (non-detect), to the south by TW4-34 (non-detect), and to the west by TW4-26 (2.4 μg/L).

Chloroform at recently installed well TW4-33 (located between TW4-4 and TW4-29) also showed a slight increase in concentration, from 124 μg/L to 134 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 (2.4 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 723 μg/L to 1,180 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 slight expansions near TW4-24 and TW4-8, and slight contractions near TW4-9 and TW4-16. Nitrate pumping has generally caused the boundary of the northern portion of the chloroform plume to migrate to the west toward TW4-24. Over the previous four quarters, TW4-24 has been both inside and outside the plume and remains outside the plume this quarter. Generally 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. The reduction in concentration at TW4-16 this quarter after previous increases may result from initiation of TW4-11 pumping.

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.

In anticipation of the final approval of the Chloroform Groundwater Corrective Action Plan ("GCAP"), beginning on January 14, 2015, EFRI began long term pumping of TW4-1, TW4-2, and TW4-11.

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 TW4-1, TW4-2, TW4-11, 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, TW4-1, TW4-2, TW4-11, 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 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 convert TW4-1, TW4-2, and TW4-11 to continuous pumping wells in 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 TW4-19

On January 12, 2015, Mill Field Personnel noted that the pump stopped working in TW4-19. The outage was a result of the discharge line upgrade/upsizing necessary to add TW4-01, TW4-02, and TW4-11 to the chloroform pumping network. The discharge line for TW4-19 was inadvertently damaged during the upsizing activities. Details regarding the upsizing activities are provided in the notification provided to DRC on January 5, 2015. The damage to the discharge line for TW4-19 caused back pressure, which caused the pump in TW4-19 to stop. The outage due to the damage lasted approximately 48 hours. Rather than repair the line, TW4-19 was connected to the upsized discharge line used for six other wells in the vicinity.

As required by the O&M Plan, DRC was notified via telephone on Tuesday, January 13, 2015 within 24 hours of discovery. EFRI provided further documentation of the outage via e-mail on January 15, 2015 when the system had returned to full functionality.

5.4.2 TW4-02

On February 16, 2015, Mill Field Personnel noted experienced a power outage at TW4-02 during the routine weekly inspection. The Mill Electricians were notified and the power was restored to the well the same day. 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

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

7.0 CONCLUSIONS AND RECOMMENDATIONS

The water level contour maps for the first quarter, 2015 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. Capture in the vicinity of MW-4 has been enhanced by operation of new chloroform pumping wells TW4-1, TW4-2, and TW4-11. 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 the second quarter of 2014, 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. Increased capture and chloroform removal rates are also expected once new well TW4-37 (installed this quarter between chloroform pumping well TW4-20 and nitrate pumping well TW4-22) becomes operational.

First quarter, 2015 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, TW4-2, TW4-6, TW4-8, TW4-9, TW4-11, TW4-16, TW4-21, and TW4-24. Of these, MW-26, TW4-2, and TW4-11 are chloroform pumping wells, and TW4-24 is a nitrate pumping well. TW4-6 is located adjacent to chloroform pumping well TW4-4; TW4-8 is located adjacent to chloroform pumping well MW-4; TW4-9 is located near chloroform pumping wells MW-26, TW4-19, and TW4-20; TW4-16 is located adjacent to chloroform pumping wells TW4-11 and MW-26; and TW4-21 is located between chloroform pumping well TW4-19 and nitrate pumping well TW4-25. Fluctuations in concentrations at both chloroform and nitrate pumping wells and wells adjacent to pumping wells likely result in part 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 and flow directions change locally.

The chloroform concentration at TW4-9 decreased from approximately 101 μg/L to 54 μg/L, bringing the plume boundary back to the west of TW4-9. The increase at TW4-9 during the previous quarter was 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 191 μg/L to 961 μg/L. TW4-8 is located immediately east of chloroform pumping well MW-4, where chloroform was detected at a concentration of 1,400 μg/L. From the first quarter of 2005 through the fourth quarter of 2013, the plume boundary remained between MW-4 and TW4-8. 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 TW4-8 is bounded to the north by TW4-3 (non-detect), to the northeast by TW4-13 (non-detect), to the east by TW4-36 (non-

detect), and to the southeast by TW4-14 (1.7 μg/L). The increase in chloroform at TW4-14 from non-detect to approximately 1.7 μg/L last quarter is consistent with ongoing, but slow, downgradient migration.

Chloroform pumping well TW4-20 and nitrate pumping well TW4-22 had the highest detected chloroform concentrations of 19,900 and 12,700 μg/L, respectively. Since the last quarter, the chloroform concentration in TW4-20 decreased from 23,300 to 19,900 μg/L, the concentration in adjacent pumping well TW4-19 increased from 4,310 to 4,660 μg/L, and the concentration in nearby well TW4-21 increased from 229 to 292 μg/L. The chloroform concentration in nitrate pumping well TW4-22 increased from 12,400 μg/L to 12,700 μg/L. Although the chloroform concentration in TW4-24 increased from 25.8 to 49.2 μg/L, TW4-24 remains 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 slightly from 290 μg/L to 299 μg/L. Chloroform at TW4-30, located immediately downgradient of TW4-29, increased from non-detect to approximately 1.7 μg/L. As with TW4-14, the change at TW4-30 is consistent with ongoing, but slow, downgradient migration. Chloroform at TW4-29 is bounded to the north by TW4-27 (non-detect), to the east by TW4-30 (1.7 μg/L), to the southeast by TW4-35 (non-detect), to the south by TW4-34 (non-detect), and to the west by TW4-26 (2.4 μg/L).

Chloroform at recently installed well TW4-33 (located between TW4-4 and TW4-29) also showed a slight increase in concentration, from 124 μg/L to 134 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 (2.4 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 slight expansions near TW4-24 and TW4-8, and slight contractions near TW4-9 and TW4-16. Nitrate pumping has generally caused the boundary of the northern portion of the chloroform plume to migrate to the west toward TW4-24. Over the previous four quarters, TW4-24 has been both inside and outside the plume and remains outside the plume this quarter. Generally 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. The reduction in concentration at TW4-16 this quarter after previous increases may result from initiation of TW4-11 pumping.

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, TW4-9, 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.

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 also consistent with the decrease in chloroform concentrations at TW4-6 between the first quarter of 2010 and the second quarter of 2014. 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. However, relatively stable concentrations at TW4-29 and TW4-33 since installation may indicate the dual impacts of TW4-4 pumping and reduced dilution from the wildlife ponds. Several more quarters of data will be likely 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 May 20, 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	3/9/2015	3/26/2015
TW4-01	3/9/2015	3/26/2015
TW4-02	3/9/2015	3/26/2015
TW4-03	3/11/2015	3/26/2015
TW4-03R	3/10/2015	3/26/2015
TW4-04	3/9/2015	3/26/2015
TW4-05	3/12/2015	3/26/2015
TW4-06	3/18/2015	3/31/2015
TW4-06R	3/17/2015	3/31/2015
TW4-07	3/18/2015	3/31/2015
TW4-08	3/12/2015	3/26/2015
TW4-09	3/12/2015	3/26/2015
TW4-10	3/18/2015	3/31/2015
TW4-11	3/9/2015	3/26/2015
TW4-12	3/11/2015	3/26/2015
TW4-13	3/11/2015	3/26/2015
TW4-14	3/12/2015	3/26/2015
MW-26	3/9/2015	3/26/2015
TW4-16	3/12/2015	3/26/2015
MW-32	3/17/2015	3/31/2015
TW4-18	3/12/2015	3/26/2015
TW4-19	3/9/2015	3/26/2015
TW4-20	3/9/2015	3/26/2015
TW4-21	3/12/2015	3/26/2015
TW4-22	3/9/2015	3/26/2015
TW4-23	3/12/2015	3/26/2015
TW4-24	3/9/2015	3/26/2015
TW4-25	3/9/2015	3/26/2015
TW4-26	3/12/2015	3/26/2015
TW4-27	3/11/2015	3/26/2015
TW4-28	3/11/2015	3/26/2015
TW4-29	3/12/2015	3/26/2015
TW4-30	3/11/2015	3/26/2015
TW4-31	3/11/2015	3/26/2015
TW4-32	3/11/2015	3/26/2015
TW4-33	3/12/2015	3/26/2015
TW4-34	3/11/2015	3/26/2015
TW4-35	3/11/2015	3/26/2015
TW4-36	3/11/2015	3/26/2015
TW4-60	3/17/2015	3/31/2015
TW4-65	3/11/2015	3/26/2015
TW4-70	3/12/2015	3/26/2015

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.)	TW4-01 (lbs.)	TW4-02 (lbs.)	TW4-11 (lbs.)	Quarter Totals (lbs.)
Q1 2007*	36.8	12.9	150.2	87.0	NA	NA	NA	NA	NA	NA	NA	286.9
Q2 2007	1.4	0.1	0.0	2.5	NA	NA	NA	NA	NA	NA	NA	4.0
Q3 2007	2.2	0.8	2.9	3.1	NA	NA	NA	NA	NA	NA	NA	9.0
Q4 2007	1.7	1.0	3.1	4.8	NA	NA	NA	NA	NA	NA	NA	10.6
Q1 2008	1.7	0.4	4.6	7.2	NA	NA	NA	NA	NA	NA	NA	13.8
Q2 2008	1.3	0.5	3.2	9.9	NA	NA	NA	NA	NA	NA	NA	14.8
Q3 2008	1.2	0.3	15.9	9.3	NA	NA	NA	NA	NA	NA	NA	26.8
Q4 2008	1.3	0.3	20.7	0.4	NA	NA	NA	NA	NA	NA	NA	22.7
Q1 2009	1.7	0.4	4.3	3.6	NA	NA	NA	NA	NA	NA	NA	10.0
Q2 2009	6.8	0.2	3.7	2.8	NA	NA	NA	NA	NA	NA	NA	13.5
Q3 2009	1.5	0.4	11.1	5.5	NA	NA	NA	NA	NA	NA	NA	18.5
Q4 2009	4.8	0.6	17.8	26.1	NA	NA	NA	NA	NA	NA	NA	49.4
Q1 2010	0.9	0.4	2.7	0.4	NA	NA	NA	NA	NA	NA	NA	4.5
Q2 2010	1.5	1.0	6.8	5.9	1.4	NA	NA	NA	NA	NA	NA	16.5
Q3 2010	1.3	1.2	2.0	4.9	1.3	NA	NA	NA	NA	NA	NA	10.6
Q4 2010	1.1	0.5	7.7	7.4	1.2	NA	NA	NA	NA	NA	NA	17.9
Q1 2011	1.1	0.2	12.9	9.6	1.1	NA	NA	NA	NA	NA	NA	24.9
Q2 2011	1.2	0.8	5.3	4.6	1.1	NA	NA	NA	NA	NA	NA	13.1
Q3 2011	1.2	0.4	1.1	4.1	1.2	NA	NA	NA	NA	NA	NA	8.1
Q4 2011	1.2	0.8	2.7	4.8	1.4	NA	NA	NA	NA	NA	NA	10.8
Q1 2012	1.1	0.6	0.8	7.0	1.0	NA	NA	NA	NA	NA	NA	10.6
Q2 2012	1.1	0.7	0.7	6.9	1.1	NA	NA	NA	NA	NA	NA	10.4
Q3 2012	1.1	0.7	1.4	2.4	1.1	NA	NA	NA	NA	NA	NA	6.6
Q4 2012	0.9	0.3	2.0	3.2	0.8	NA	NA	NA	NA	NA	NA	7.2
Q1 2013	0.9	0.4	7.4	2.8	0.7	1.5	0.0	0.0	NA	NA	NA	13.7
Q2 2013	0.9	0.9	3.9	4.4	0.7	2.7	0.0	0.0	NA	NA	NA	13.5
Q3 2013	0.9	0.6	22.3	4.4	0.7	2.1	0.1	0.0	NA	NA	NA	31.1
Q4 2013	0.8	0.3	3.2	2.5	0.7	2.8	0.1	0.0	NA	NA	NA	10.3
Q1 2014	0.8	0.3	1.5	2.8	0.6	2.5	0.2	0.0	NA	NA	NA	8.6
Q2 2014	0.8	0.4	2.0	3.4	0.6	2.5	0.1	0.0	NA	NA	NA	9.9
Q3 2014	0.9	0.4	3.6	1.8	0.8	2.5	0.1	0.0	NA	NA	NA	10.2
Q4 2014	0.8	0.4	7.1	3.2	0.6	2.5	0.04	0.0	NA	NA	NA	14.6
Q1 2015	0.9	0.4	2.4	2.6	0.4	2.3	0.04	0.000	0.23	0.37	0.20	9.9
Well Totals	83.7	29.5	336.9	251.2	18.7	21.3	0.68	0.0	0.23	0.37	0.2	**742.8**

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

Table 3 Well Pumping Rates and Volumes

Pumping Well Name	Volume of Water Pumped During the Quarter (gals)	Average Pump Rate (gpm)
MW-4	76,454.3	4.60
MW-26	24,004.9	11.63
TW4-4	36,941.3	10.87
TW4-19	60,553.0	10.65
TW4-20	15,744.7	8.78
TW4-22	22,046.9	17.77
TW4-24	92,449.3	17.56
TW4-25	71,452.4	16.01
TWN-2	47,262.2	18.28
TW4-01	24,569.2	17.81
TW4-02	24,156.7	17.56
TW4-11	9,898.7	17.92

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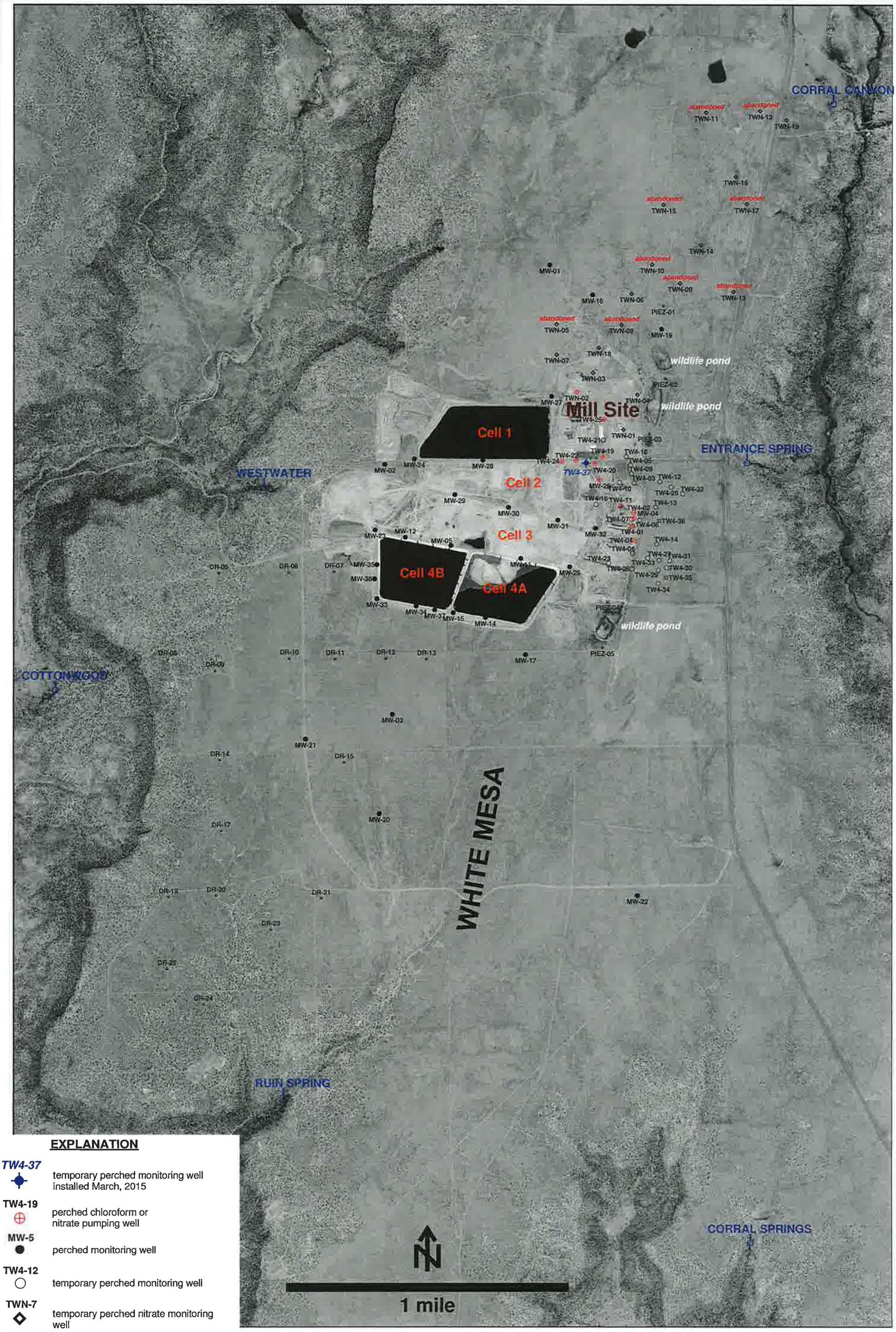
Tab A

Site Plan and Perched Well Locations White Mesa Site



EXPLANATION

TW4-37	temporary perched monitoring well installed March, 2015
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/may15/Uwelloc0315_rev.srf	A-1

Tab B

Order of Sampling and Field Data Worksheets

Order of Contamination for 1st Quarter 2015 Chloroform Purging Event

Well	Sample time	Chloroform Levels	Rinsate date/time	Water level	Well Depth	
TW4-03	3/11/2015 0746	ND			141	TW4-03R 3/10/2015 0755
TW4-12	0757	ND			101.5	
TW4-28	0804	ND			107	
TW4-32	0810 0810	ND			115.1	
TW4-13	0817	ND			102.5	
TW4-36	0823	ND			99	
TW4-27	0830	ND			96	
TW4-30	0835	ND			92.5	
TW4-31	0841	ND			106	
TW4-34	0847	ND			97.2	
TW4-35	3/11/2015 0853	ND			87.5	
TW4-23	3/12/15 0703	ND			114	
– MW-32	3/17/15 1400	ND			132.5	Bladder pump
TW4-25	1300	ND	3/9/2015		134.8	Cont. Pumping
TW4-14	3/12/15 0712	1.68			93	
TW4-26	3/12/15 0720	2.45			86	
TW4-05	3/12/15 0728	14.6			120	
TW4-24	1326	25.8	3/9/2015		112.5	Cont. Pumping
TW4-18	3/12/15 0738	33			137.5	
TW4-09	3/12/15 0747	101			120	
TW4-33	3/12/15 0755	124			87.9	
TW4-08	3/12/15 0803	191			125	
TW4-21	3/12/15 0811	229			121	
TW4-29	3/12/15 0821	290			93.5	
TW4-16	3/12/15 0830	387			142	TW4-06R_03172015 0930
– TW4-06	3/18/15 0757	723			97.5	
TW4-11	1408	803	3/9/2015		100	Cont. Pumping
– TW4-07	3/18/15 0805	926			120	
TW4-04	1453	1130	3/9/2015		112	Cont. Pumping
TW4-01	1443	1140	3/9/2015		110	Cont. Pumping
– TW4-10	3/18/15 0812	1220			111	
MW-04	1437	1440	3/9/2015		124	Cont. Pumping
MW-26	1400	2090	3/9/2015		122.5	Cont. Pumping
TW4-02	1427	3580	3/9/2015		120	Cont. Pumping
TW4-19	1200	4310	3/9/2015		125	Cont. Pumping
TW4-22	1336	12400	3/9/2015		113.5	Cont. Pumping
TW4-20	1350	23300	3/9/2015		106	Cont. Pumping

– TW4-60	D.I. Blank	3/17/2015 0855	
TW4-65	Duplicate	TW4-32 3/11/15 0310	
TW4-70	Duplicate	0.5 3/12/15 0728	

Comments:

Name: _____ Date: _____

ENERGY FUELS

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): MW-04

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-04_03092015

Date and Time for Purging 3/9/2015 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 TW4-02

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 76.00

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: ~~0~~ 17.61 (.367h)

Weather Cond. Sunny

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

Time	1436	Gal. Purged	0
Conductance	1910	pH	6.64
Temp. °C	14.93		
Redox Potential Eh (mV)	184		
Turbidity (NTU)	9.0		

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 = 4.6

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.65

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		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 81.27 Sample Time 1437

See instruction

Comment

Arrived on site at 1433 Tanner and Garrin present to collect samples.
Samples collected at 1437 water was clear
Left site at 1439

Continuous Pumping well

MW-04 03-09-2015 Do not touch this cell (SheetName)

ENERGYFUELS

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

See instruction

Description of Sampling Event: 1st Quarter Chloroform 2015

Location (well name): TW4-01

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-01_03092015

Date and Time for Purging 3/9/2015 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Continuous

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event MW-04

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging 81.00

Casing Volume (V) 4" Well: 18.93 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1442	Gal. Purged	0
Conductance	2155	pH	6.30
Temp. °C	14.66		
Redox Potential Eh (mV)	187		
Turbidity (NTU)	0		

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

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

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

Volume of Water Purged [0] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [2.10]

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

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

Name of Certified Analytical Laboratory if Other Than Energy 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 [94.29] Sample Time [1443]

See instruction

Comment

Arrived on site at 1439 Tanner Holliday Garrin Palmer present to collect samples.
Samples collected at 1443 water was clear
Left site at 1445

Continuous Pumping Well

TW4-01 03-09-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): ~~MW-02~~ TW4-02

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID ~~MW-02_03092015~~. TW4-02_03092015

Date and Time for Purging 3/9/2015 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 TW4-11

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 75.20

Casing Volume (V) 4" Well: 29.25 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1426	Gal. Purged	0
Conductance	3522	pH	6.32
Temp. °C	15.28		
Redox Potential Eh (mV)	193		
Turbidity (NTU)	0		

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

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

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

Volume of Water Purged [0] gallon(s)

Pumping Rate Calculation

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

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

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

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

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

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

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

Final Depth [107.11] Sample Time [1427]

See instruction

Comment

Arrived on site at 1423 Tanner and Garrin present to collect samples.
Samples collected at 1427 water was ~~1427~~ Clear
Left site at 1429

Continuous Pumping well

TW4-02 03-09-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-03

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-03_03112015

Date and Time for Purging 3/10/2015 and Sampling (if different) ~~N/A~~ 3/11/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-03R

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 141.00

Depth to Water Before Purging 55.15

Casing Volume (V) 4" Well: 56.06 (.653h)
3" Well: 0 (.367h)

Weather Cond. Clear

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

Time	0837	Gal. Purged	85.25
Conductance	1634	pH	6.30
Temp. °C	14.45		
Redox Potential Eh (mV)	221		
Turbidity (NTU)	5.0		

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

Time	0745	Gal. Purged	0
Conductance	1616	pH	5.80
Temp. °C	14.23		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0747	Gal. Purged	0
Conductance	1620	pH	5.84
Temp. °C	14.28		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged 85.25 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 10.19

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

If well evacuated to dryness, number of gallons evacuated 85.25

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 138.23 Sample Time 0746

See instruction

Comment

Arrived on site at 0824 Tanner and Garrin present for purge. Purge began at 0830 Purged well for a total of 7 minutes and 45 seconds. Purged well dry! Purge ended at 0837. water was mostly clear. Left site at 0839 Arrived on site at 0743 Tanner and Garrin present to collect samples. Depth to water was 55.60 samples bailed at 0746 Left site at 0748

TW4-03 03-10-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-03R

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-03R_03102015

Date and Time for Purging: 3/10/2015 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: TW4-04

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.: Clear

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

Time	0754	Gal. Purged	132
Conductance	0.4	pH	6.95
Temp. °C	10.94		
Redox Potential Eh (mV)	175		
Turbidity (NTU)	0.5		

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

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

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

Volume of Water Purged 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 0755

See instruction

Comment

Arrived on site at 0740 Tanner and Garrin present for Rinsate
Rinsate began at 0742 Pumped 50 Gallons of soap water and 100 Gallons of DI water. Samples collected at 0753
Left site at 0757

Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-04

Sampler Name and initials: Tanner Holliday TH

Field Sample ID: TW4-04_03092015 TW4-04_03092015

Date and Time for Purging: 3/9/2015 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: TW4-01

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 112.00

Depth to Water Before Purging: 70.00

Casing Volume (V) 4" Well: 27.42 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1452	Gal. Purged	0
Conductance	2283	pH	6.27
Temp. °C	15.38		
Redox Potential Eh (mV)	208		
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 = 4.98

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

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

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

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

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

Final Depth: 79.34

Sample Time: 1453

See instruction

Comment

Arrived on site at 1450 Tanner and Garrin present to collect samples.
Samples collected at 1453 water was Clear
Left site at 1455

Continuous Pumping well

TW4-04 03-09-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-05

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID TW4-05_03122015

Date and Time for Purging 3/11/2015 and Sampling (if different) 3/12/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-26

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging 63.29

Casing Volume (V) 4" Well: 37.03 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

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

Time	1158	Gal. Purged	66
Conductance	1470	pH	6.11
Temp. °C	15.34		
Redox Potential Eh (mV)	220		
Turbidity (NTU)	13.1		

Time	1159	Gal. Purged	77
Conductance	1470	pH	6.11
Temp. °C	15.35		
Redox Potential Eh (mV)	218		
Turbidity (NTU)	13.0		

Time	1200	Gal. Purged	88
Conductance	1464	pH	6.10
Temp. °C	15.33		
Redox Potential Eh (mV)	218		
Turbidity (NTU)	12.9		

Time	1201	Gal. Purged	99
Conductance	1463	pH	6.10
Temp. °C	15.34		
Redox Potential Eh (mV)	~~27~~ 217	217	
Turbidity (NTU)	12.9		

Volume of Water Purged 99 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.73

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

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

Final Depth 64.75 Sample Time 0728

See instruction

Comment

Arrived on site at 1149 Tanner and Garrin present for purge. Purge began at 1152 Purged well for a total of 9 minutes. Purge ended at 1201. water was mostly Clear.

Arrived on site at 0725 Tanner and Garrin present to collect samples. Depth to water was 63.22 samples bailed at 0728 Left site at 0730

TW4-05 03-11-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-06

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-06_03182015

Date and Time for Purging 3/17/2015 and Sampling (if different) 3/18/2015

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 TW4-06R

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 70.53

Casing Volume (V) 4" Well: 17.61 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	0941	Gal. Purged	25.66
Conductance	3165	pH	6.20
Temp. °C	14.92		
Redox Potential Eh (mV)	270		
Turbidity (NTU)	10.0		

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

Time	0757	Gal. Purged	0
Conductance	3073	pH	6.19
Temp. °C	15.16		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0758	Gal. Purged	0
Conductance	3070	pH	6.21
Temp. °C	15.15		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

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 = 3.20

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

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 95.23 Sample Time 0757

See instruction

Comment

Arrived on site at 0936 Tanner and Garrin present for purge. Purge began at 0939 Purged well for a total of 2 minutes and 20 seconds. Purged well dry! water was a little murky. Purge ended at 0941. Left site at 0944.

Arrived on site at 0754 Tanner and Garrin present to collect samples. Depth to water was 70.65 samples bailed at 0757 Left site at 0759

TW4-06 03-17-2013 Do not touch this cell (SheetName)

ENERGYFUELS

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-06R

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-06R_03172015

Date and Time for Purging 3/17/2015 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 TW4-60

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	0928	Gal. Purged	99
Conductance	1.0	pH	5.99
Temp. °C	13.44		
Redox Potential Eh (mV)	289		
Turbidity (NTU)	0.5		

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

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

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

Volume of Water Purged 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 0930

See instruction

Comment

Arrived on site at 0914 Tanner and Garrin present for Rinsate
Rinsate began at 0919 Pumped 50 Gallons of soap water and 100 Gallons of DI water through the pump. Samples collected at 0930
Left site at 0935

TW4-06R 03-17-2015 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: 1ST Quarter Chloroform 2015

Location (well name): TW4-07

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-07_03182015

Date and Time for Purging: 3/17/2015 and Sampling (if different): 3/18/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-06

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging: 72.48

Casing Volume (V) 4" Well: 31.03 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1013	Gal. Purged	60.50
Conductance	1543	pH	6.54
Temp. °C	14.87		
Redox Potential Eh (mV)	201		
Turbidity (NTU)	4.9		

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

Time	0805	Gal. Purged	0
Conductance	1626	pH	6.67
Temp. °C	14.51		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0806	Gal. Purged	0
Conductance	1618	pH	6.67
Temp. °C	14.47		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged 60.50 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 5.64

Number of casing volumes evacuated (if other than two) 1.94

If well evacuated to dryness, number of gallons evacuated 60.50

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 117.45 Sample Time 0805

117.45

See instruction

Comment

Arrived on site at 1005 Tanner and Garrin present for purge. Purge began at 1008 Purged well for a total of 5 minutes and 30 Seconds. Purged well dry. Purge ended at 1013. water was mostly Clear. Left site at 1016

Arrived on site at 0801 Tanner and Garrin present to collect samples. Depth to water was 73.27 samples bailed at 0805 Left site at 0807

TW4-07 03-17-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-08

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-08_03122015

Date and Time for Purging 3/11/2015 and Sampling (if different) 3/12/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-33

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 125.00

Depth to Water Before Purging 74.55

Casing Volume (V) 4" Well: 32.94 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

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

Time	1356	Gal. Purged	33
Conductance	4514	pH	6.16
Temp. °C	15.00		
Redox Potential Eh (mV)	230		
Turbidity (NTU)	12.3		

Time	1357	Gal. Purged	44
Conductance	4496	pH	6.16
Temp. °C	15.00		
Redox Potential Eh (mV)	229		
Turbidity (NTU)	12.2		

Time	1358	Gal. Purged	55
Conductance	4474	pH	6.16
Temp. °C	15.01		
Redox Potential Eh (mV)	228		
Turbidity (NTU)	12.3		

Time	1359	Gal. Purged	66
Conductance	4461	pH	6.17
Temp. °C	15.01		
Redox Potential Eh (mV)	228		
Turbidity (NTU)	12.3		

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 = 5.98

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 83.65 Sample Time 0803

See instruction

Comment

Arrived on site at 1351 Tanner and Garrin present for purge. Purge began at 1353 Purged well for a total of 6 minutes. Purge ended at 1359. Water was mostly clear. Left site at 1401

Arrived on site at 0800 Tanner and Garrin present to collect samples. Depth to water was 74.80 samples bailed at 0803 Left site at 0805

TW4-08 03-11-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-09

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-09_03122015

Date and Time for Purging: 3/11/2015 and Sampling (if different): ~~Grundfos~~ 3/12/2015 3/12/2015

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

Well Pump (if other than Bennet): Grundfos

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

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-18

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging: 61.28

Casing Volume (V) 4" Well: 38.34 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1301	Gal. Purged	55
Conductance	2410	pH	6.03
Temp. °C	15.01		
Redox Potential Eh (mV)	219		
Turbidity (NTU)	10.6		

Time	1302	Gal. Purged	66
Conductance	2410	pH	6.02
Temp. °C	15.01		
Redox Potential Eh (mV)	218		
Turbidity (NTU)	10.5		

Time	1303	Gal. Purged	77
Conductance	2413	pH	6.02
Temp. °C	15.02		
Redox Potential Eh (mV)	218		
Turbidity (NTU)	10.5		

Time	1304	Gal. Purged	88
Conductance	2411	pH	6.02
Temp. °C	15.02		
Redox Potential Eh (mV)	217		
Turbidity (NTU)	10.6		

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 = 6.97

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 76.90 Sample Time 0747

See instruction

Comment

Arrived on site at 1254 Tanner and Garrin present for purge. Purge began at 1256 Purged well for a total of 8 minutes. Purge ended at 1304 water was mostly Clear. Left site at 1306

Arrived on site at 0744 Tanner and Garrin present to collect samples. Depth to water was 61.15 samples bailed at 0747 Left site at 0749

TW4-09 03-11-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-10

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID TW4-10_03182015

Date and Time for Purging 3/17/2015 and Sampling (if different) 3/18/2015

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 TW4-07

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 60.98

Casing Volume (V) 4" Well: 32.66 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1042	Gal. Purged	49.50
Conductance	2667	pH	5.90
Temp. °C	15.00		
Redox Potential Eh (mV)	254		
Turbidity (NTU)	4.8		

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

Time	0812	Gal. Purged	0
Conductance	2558	pH	6.42
Temp. °C	14.36		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0813	Gal. Purged	0
Conductance	2560	pH	6.39
Temp. °C	14.36		
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 = 5.93

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

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 108.96 Sample Time 0812

See instruction

Comment

Arrived on site at 1036 Tanner and Garrin present for purge. Purge began at 1038 Purged well for a total of 4 minutes and 30 seconds. Purged well dry. Purge ended at 1042. Water was mostly Clear. Left site at 1047
Arrived on site at 0808 Tanner and Garrin present to collect samples. Depth to Water was 60.95 samples bailed at 0812 Left site at 0814

TW4-10 03-17-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): ~~MW-11~~ TW4-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID ~~MW-11_03042015~~ TW4-11_03092015

Date and Time for Purging 3/9/2015 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Continuous

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event MW-26

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 100.00

Depth to Water Before Purging 94.38

Casing Volume (V) 4" Well: 3.66 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1407	Gal. Purged	0
Conductance	3072	pH	6.47
Temp. °C	14.91		
Redox Potential Eh (mV)	~~-0~~ 144		144
Turbidity (NTU)	0		

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

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

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

Volume of Water Purged 0 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = .407

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 98.01 Sample Time 1408

See instruction

Comment

Arrived on site at 1403 Tanner and Garrin present to collect samples
Samples collected at 1408 water was clear
Left site at 1409

Continuous pumping well

TW4-11 03-09-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-12

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-12_03112015

Date and Time for Purging 3/10/2015 and Sampling (if different) 3/11/2015

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 TW4-03

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 44.39

Casing Volume (V) 4" Well: 37.29 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 2°

Time	0913	Gal. Purged	57.75
Conductance	1324	pH	6.59
Temp. °C	14.75		
Redox Potential Eh (mV)	220		
Turbidity (NTU)	14.5		

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

Time	0757	Gal. Purged	0
Conductance	1322	pH	6.50
Temp. °C	13.69		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0758	Gal. Purged	0
Conductance	1323	pH	6.52
Temp. °C	13.76		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged 57.75 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.78

Number of casing volumes evacuated (if other than two) 1.54

If well evacuated to dryness, number of gallons evacuated 57.75

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 ~~14.12~~ 98.12

Sample Time 0757

See instruction

Comment

Arrived on site at 0904 Tanner and Garrin present for purge.
Purge began at 0908 Purged well for a total of 5 minutes and 15 seconds.
Purged well dry! water was mostly clear Purge ended at 0913. Left site at 0915
Arrived on site at 0754 Tanner and Garrin present to collect samples. Depth to water was 44.55
Samples bailed at 0757 Left site at 0759

TW4-12 03-10-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-13

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-13_03112015

Date and Time for Purging 3/10/2015 and Sampling (if different) 3/11/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-32

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 102.50

Depth to Water Before Purging 49.89

Casing Volume (V) 4" Well: 34.35 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) ~~5°~~ 10°

Time	1214	Gal. Purged	49.50
Conductance	1885	pH	6.43 6.43
Temp. °C	15.01		
Redox Potential Eh (mV)	251		
Turbidity (NTU)	8.5		

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

Time	0817	Gal. Purged	0
Conductance	1808	pH	6.58
Temp. °C	13.00		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0818	Gal. Purged	0
Conductance	1818	pH	6.58
Temp. °C	13.06		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

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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 = 6.24

Number of casing volumes evacuated (if other than two) 1.44

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 99.44 Sample Time 0817

See instruction

Comment

Arrived on site at 1207 Tanner and Garrin present for purge. Purge began at 1210 Purged well for a total of 4 minutes 30 seconds. Purged well dry. Purge ended at 1214 water was mostly clear. Left site at 1216
Arrived on site at 0814 Tanner and Garrin present to collect samples. Depth to water was 50.28 samples bailed at 0817 Left site at 0819

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ENERGY FUELS

See instruction

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

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-14

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: TW4-14_03122015

Date and Time for Purging: 3/11/2015 and Sampling (if different): 3/12/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-23

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 93.00

Depth to Water Before Purging: 82.04

Casing Volume (V) 4" Well: 7.15 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1017	Gal. Purged	11
Conductance	4921	pH	6.16
Temp. °C	14.39		
Redox Potential Eh (mV)	232		
Turbidity (NTU)	5.9		

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

Time	0712	Gal. Purged	0
Conductance	4846	pH	6.79
Temp. °C	14.93		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0713	Gal. Purged	0
Conductance	4897	pH	6.77
Temp. °C	14.90		
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 = [1.30]

Number of casing volumes evacuated (if other than two) [1.53]

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 [91.01] Sample Time [0712]

See instruction

Comment

Arrived on site at 1012 Tanner and Garrin present for purge. Purge began at 1016 Purged well for a total of 1 minute. Purged well dry! Purge ended at 1017 Water was mostly clear. Left site at 1019

Arrived on site at 0709 Tanner and Garrin present to collect samples. Depth to water was 82.06 samples bailed at 0712 Left site at 0714

TW4-14 03-11-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_03092015 MW-26_03092015

Date and Time for Purging: 3/9/2015 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-20

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 122.50

Depth to Water Before Purging: 70.06

Casing Volume (V) 4" Well: 34.24 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1359	Gal. Purged	0
Conductance	3391	pH	6.29
Temp. °C	15.56		
Redox Potential Eh (mV)	189		
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 = [12.0]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [5.70]

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		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 [83.97] Sample Time [1400]

See instruction

Comment

Arrived on site at 1356 Tanner and Garrin present to collect samples.
Samples collected at 1400 water was clear
Left site at 1402

Continuous pumping well

MW-26 03-09-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-16

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-16_03122015

Date and Time for Purging 3/11/2015 and Sampling (if different) 3/12/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-29

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 142.00

Depth to Water Before Purging 65.18

Casing Volume (V) 4" Well: 50.16 (.653h)
3" Well: 0 (.367h)

Weather Cond. Cloudy

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

Time	1537	Gal. Purged	77
Conductance	3637	pH	6.11
Temp. °C	14.84		
Redox Potential Eh (mV)	232		
Turbidity (NTU)	29		

Time	1538	Gal. Purged	88
Conductance	3633	pH	6.11
Temp. °C	14.86		
Redox Potential Eh (mV)	231		
Turbidity (NTU)	27		

Time	1539	Gal. Purged	99
Conductance	3643	pH	6.11
Temp. °C	14.86		
Redox Potential Eh (mV)	230		
Turbidity (NTU)	27		

Time	1540	Gal. Purged	110
Conductance	3634	pH	6.11
Temp. °C	14.85		
Redox Potential Eh (mV)	229		
Turbidity (NTU)	28		

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 = 9.12

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 137.60 Sample Time 0830

See instruction

Comment

Arrived on site at 1527 Tanner and Garrin present for purge. Purge began at 1530
Purged well for a total of 10 minutes. Purge ended at 1540
water was mostly clear. Left site at 1543
Arrived on site at 0827 Tanner and Garrin present to collect samples. Depth to water
was 65.19 Samples bailed at 0830 Left site at 0832

TW4-16 03-11-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 1st Quarter Chloroform 2015

Location (well name): MW-32

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-32_03172015

Date and Time for Purging: 3/17/2015 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: TW4-16

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: 78.60

Casing Volume (V) 4" Well: 35.19 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1357	Gal. Purged	70.95
Conductance	3807	pH	6.07
Temp. °C	14.75		
Redox Potential Eh (mV)	240		
Turbidity (NTU)	25		

Time	1358	Gal. Purged	71.17
Conductance	3816	pH	6.05
Temp. °C	14.76		
Redox Potential Eh (mV)	226		
Turbidity (NTU)	27		

Time	1359	Gal. Purged	71.39
Conductance	3815	pH	6.05
Temp. °C	14.80		
Redox Potential Eh (mV)	218		
Turbidity (NTU)	27		

Time	1400	Gal. Purged	71.61
Conductance	3815	pH	6.04
Temp. °C	14.78		
Redox Potential Eh (mV)	212		
Turbidity (NTU)	28		

Volume of Water Purged 71.61 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 324.39

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 82.78 Sample Time 1400

See instruction

Comment

Arrived on site at 0826 Tanner and Garrin present for purge and sampling event.
Purge began at 0830 Purged well for a total of 330 minutes
Purge ended and samples collected at 1400
water was mostly Clear. Left site at 1405

MW-32 03-17-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-18

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-18_03122015

Date and Time for Purging: 3/11/2015 and Sampling (if different): 3/12/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-05

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 137.50

Depth to Water Before Purging: 64.22

Casing Volume (V) 4" Well: 47.85 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1231	Gal. Purged	77
Conductance	1606	pH	5.95
Temp. °C	15.47		
Redox Potential Eh (mV)	220		
Turbidity (NTU)	33		

Time	1232	Gal. Purged	88
Conductance	1600	pH	5.95
Temp. °C	15.48		
Redox Potential Eh (mV)	219		
Turbidity (NTU)	33		

Time	1233	Gal. Purged	99
Conductance	1597	pH	5.95
Temp. °C	15.48		
Redox Potential Eh (mV)	218		
Turbidity (NTU)	32		

Time	1234	Gal. Purged	110
Conductance	1594	pH	5.96
Temp. °C	15.48		
Redox Potential Eh (mV)	217		
Turbidity (NTU)	32		

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 = 8.70

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

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

Final Depth 64.60 Sample Time 0738

See instruction

Comment

Arrived on site at 1221 Tanner and Garrin present for purge. Purge began at 1224
Purged well for a total of 10 minutes. Purge ended at 1234.
water was a milky white color. left site at 1236

Arrived on site at 0735 Tanner and Garrin present to collect samples, Depth to water
was 64.11 samples bailed at 0738 Left site at 0740

TW4-18 03-11-2015 Do not touch this cell (SheetName)

ENERGYFUELS

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-19

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-19_03092015

Date and Time for Purging 3/9/2015 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 N/A

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 62.70

Casing Volume (V) 4" Well: 40.68 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1159	Gal. Purged	0
Conductance	2966	pH	6.30
Temp. °C	14.95		
Redox Potential Eh (mV)	309		
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 = [7.39]

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 [71.52] Sample Time [1200]

See instruction

Comment

Arrived on site at 1155 Tanner and Garrin present for sampling event.
Samples collected at 1200 water was clear
Left site at 1204

Continuous Pumping well

TW4-19 03-09-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-20

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-20_03092015

Date and Time for Purging 3/9/2015 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

Depth to Water Before Purging 63.90

Casing Volume (V) 4" Well: 27.49 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1349	Gal. Purged	0
Conductance	3938	pH	6.21
Temp. °C	15.98		
Redox Potential Eh (mV)	211		
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 = [9.2]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [5.97]

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs [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 [81.02] Sample Time [1350]

See instruction

Comment

Arrived on site at 1346 Tanner and Garrin present to collect samples.
Samples collected at 1350 water was mostly clear with Red/orange particles.
Left site at 1352

Continuous Pumping Well

TW4-20 03-09-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-21

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-21_03122015

Date and Time for Purging: 3/11/2015 and Sampling (if different): 3/12/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-08

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 121.00

Depth to Water Before Purging: 61.70

Casing Volume (V) 4" Well: 38.72 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1427	Gal. Purged	66
Conductance	4251	pH	6.19
Temp. °C	16.33		
Redox Potential Eh (mV)	210		
Turbidity (NTU)	0		

Time	1428	Gal. Purged	77
Conductance	4252	pH	6.19
Temp. °C	16.34		
Redox Potential Eh (mV)	210		
Turbidity (NTU)	0		

Time	1429	Gal. Purged	88
Conductance	4260	pH	6.19
Temp. °C	16.32		
Redox Potential Eh (mV)	209		
Turbidity (NTU)	0		

Time	1430	Gal. Purged	99
Conductance	4260	pH	6.19
Temp. °C	16.30		
Redox Potential Eh (mV)	209		
Turbidity (NTU)	0		

Volume of Water Purged 99 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.04

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 71.10 Sample Time 0811

See instruction

Comment

Arrived on site at 1419 Tanner and Garrin present for purge. Purge began at 1421 Purged well for a total of 9 minutes. Purge ended at 1430 water was clear. Left site at 1432

Arrived on site at 0808 Tanner and Garrin present to collect samples. Depth to Water was 61.35 Samples bailed at 0811 Left site at 0813

TW4-21 03-11-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-22

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-22_03092015

Date and Time for Purging 3/9/2015 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Continuous

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-24

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 113.50

Depth to Water Before Purging 59.67

Casing Volume (V) 4" Well: 35.15 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1335	Gal. Purged	0
Conductance	6073	pH	6.28
Temp. °C	15.25		
Redox Potential Eh (mV)	200		
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 = 17.8

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.94

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 83.22 Sample Time 1336

See instruction

Comment

Arrived on site at 1333 Tanner and Garrin present to collect samples.
Samples collected at 1336 water was clear
Left site at 1338

Continuous Pumping well

TW4-22 03-09-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-23

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-23_03122015

Date and Time for Purging 3/11/2015 and Sampling (if different) 3/12/2015

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 TW4-35

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 67.81

Casing Volume (V) 4" Well: 30.16 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	0948	Gal. Purged	44
Conductance	3613	pH	6.01
Temp. °C	14.25		
Redox Potential Eh (mV)	209		
Turbidity (NTU)	8.3		

Time	0949	Gal. Purged	55
Conductance	3610	pH	6.03
Temp. °C	14.25		
Redox Potential Eh (mV)	206		
Turbidity (NTU)	8.3		

Time	0950	Gal. Purged	66
Conductance	3610	pH	6.04
Temp. °C	14.25		
Redox Potential Eh (mV)	204		
Turbidity (NTU)	8.2		

Time	0951	Gal. Purged	77
Conductance	3607	pH	6.07
Temp. °C	14.25		
Redox Potential Eh (mV)	201		
Turbidity (NTU)	8.2		

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 = 5.48

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 71.97 Sample Time 0703

See instruction

Comment

Arrived on site at 0940 Tanner and Garrin present for purge. Purge began at 0944
Purged well for a total of 7 minutes. Purge ended at 0951
water started with an orange coloration but slowly cleared throughout the Purge.
Left site at 0953
Arrived on site at 0700 Tanner and Garrin present to collect samples. Depth to water was 67.75 Samples bailed at 0703 Left site at 0705

TW4-23 03-11-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-24

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-24_03092015

Date and Time for Purging 3/9/2015 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Continuous

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-25

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 112.50

Depth to Water Before Purging 64.80

Casing Volume (V) 4" Well: 31.14 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1325	Gal. Purged	0
Conductance	7593	pH	6.24
Temp. °C	15.61		
Redox Potential Eh (mV)	220		
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 = [17.9]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [3.48]

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

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

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

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

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

Final Depth [73.97] Sample Time [1326]

See instruction

Comment

Arrived on site at 1323 Tanner and Garrin present to collect samples.
Samples collected at 1326 water was clear
Left site at 1328

Continuous Pumping well

TW4-24 03-09-2015 Do not touch this cell (SheetName)

ENERGYFUELS

See instruction

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

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-25_03092015

Date and Time for Purging 3/9/2015 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Continuous

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-19

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 134.80

Depth to Water Before Purging 57.60

Casing Volume (V) 4" Well: 50.41 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1259	Gal. Purged	0
Conductance	2891	pH	6.56
Temp. °C	15.00		
Redox Potential Eh (mV)	149		
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 = [16.00]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [6.30]

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 [74.44] Sample Time [1300]

See instruction

Comment

Arrived on site at 1257 Tanner and Garrin present to collect samples,
Samples collected at 1300 Water was clear
Left site at 1303

Continuous Pumping Well

TW4-25 03-09-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-26_03122015

Date and Time for Purging 3/11/2015 and Sampling (if different) 3/12/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-14

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 86.00

Depth to Water Before Purging 65.18

Casing Volume (V) 4" Well: 13.59 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

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

Time	1041	Gal. Purged	16.50
Conductance	6411	pH	3.65
Temp. °C	14.81		
Redox Potential Eh (mV)	352		
Turbidity (NTU)	5.9		

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

Time	0720	Gal. Purged	0
Conductance	6351	pH	4.49
Temp. °C	13.98		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0721	Gal. Purged	0
Conductance	6370	pH	4.47
Temp. °C	13.99		
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 = 2.47

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

If well evacuated to dryness, number of gallons evacuated 16.50

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 83.89 Sample Time 0720

See instruction

Comment

Arrived on site at 1038 Tanner and Garrin present for purge. Purge began at 1040 Purged well for a total of 1 minute 30 seconds. Purged well dry. Purge ended at 1041 water was mostly clear. Left site at 1044

Arrived on site at 0717 Tanner and Garrin present to collect samples. Depth to water was 65.17 samples bailed at 0720 Left site at 0722

TW4-26 03-11-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-27

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-27_03112015

Date and Time for Purging 3/10/2015 and Sampling (if different) 3/11/2015

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 TW4-36

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 80.13

Casing Volume (V) 4" Well: 10.36 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1516	Gal. Purged	11
Conductance	5222	pH	5.67
Temp. °C	15.25		
Redox Potential Eh (mV)	262		
Turbidity (NTU)	7.9		

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

Time	0830	Gal. Purged	0
Conductance	5072	pH	6.50
Temp. °C	13.03		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0831	Gal. Purged	0
Conductance	5093	pH	6.47
Temp. °C	13.01		
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 = 1.88

Number of casing volumes evacuated (if other than two) 1.06

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 93.42 Sample Time 0830

See instruction

Comment

Arrived on site at 1313 Tanner and Garrin present for purge. Purge began at 1315 Purged well for a total of 1 minute. Purged well dry. Purge ended at 1316. water was a little murky Left site at 1318
Arrived on site at 0826 Tanner and Garrin present to collect samples Depth to water was 80.62 samples bailed at 0830 Left site at 0832

TW4-27 03-10-2015 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: 1ST Quarter Chloroform 2015

Location (well name): TW4-28 TW4-28

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-28_03112015

Date and Time for Purging 3/10/2015 and Sampling (if different) 3/11/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-12

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 107.00

Depth to Water Before Purging 38.70

Casing Volume (V) 4" Well: 44.59 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	0449	Gal. Purged	71.50
Conductance	1227	pH	6.65
Temp. °C	14.75		
Redox Potential Eh (mV)	218		
Turbidity (NTU)	1.7		

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

Time	0804	Gal. Purged	0
Conductance	1227	pH	6.58
Temp. °C	13.58		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0805	Gal. Purged	0
Conductance	1226	pH	6.60
Temp. °C	13.60		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged 71.50 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 8.10

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

If well evacuated to dryness, number of gallons evacuated 71.50

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 103.89 Sample Time 0804

See instruction

Comment

Arrived on site at 0940 Tanner and Garrin present for purge. Purge began at 0943 Purged well for a total of 6 minutes and 30 seconds. Purged well dry! Purge ended at 0949. Left site at 0952.
Arrived on site at 0801 Tanner and Garrin present to collect samples. Depth to water was 38.80 samples bailed at 0804 Left site at 0806

TW4-28 03-10-2015 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: 1ST Quarter Chloroform 2015

Location (well name): TW4-29

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-29_03122015

Date and Time for Purging 3/11/2015 and Sampling (if different) 3/12/2015

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 TW4-21

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 72.90

Casing Volume (V) 4" Well: 13.45 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

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

Time	1458	Gal. Purged	16.50
Conductance	4180	pH	6.46
Temp. °C	15.31		
Redox Potential Eh (mV)	228		
Turbidity (NTU)	18		

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

Time	0821	Gal. Purged	0
Conductance	4164	pH	6.46
Temp. °C	13.73		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0822	Gal. Purged	0
Conductance	4172	pH	6.47
Temp. °C	13.74		
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 = 2.44

Number of casing volumes evacuated (if other than two) 1.22

If well evacuated to dryness, number of gallons evacuated 16.50

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 91.00 Sample Time 0821

See instruction

Comment

Arrived on site at 1455 Tanner and Garrin present for purge. Purge began at 1457
Purged well for a total of 1 minute 30 seconds. Purge ended at 1458
water was a little murky Left site at 1501

Arrived on site at 0818 Tanner and Garrin present to collect samples. Depth to water was 72.85 samples bailed at 0821 Left site at 0823

TW4-29 03-11-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-30_03112015

Date and Time for Purging 3/10/2015 and Sampling (if different) 3/11/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-27

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 92.50

275

21.02

Depth to Water Before Purging 76.40

Casing Volume (V) 4" Well: 10.51 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1347	Gal. Purged	13.75
Conductance	4275	pH	4.81
Temp. °C	15.37		
Redox Potential Eh (mV)	336		
Turbidity (NTU)	10.1		

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

Time	0835	Gal. Purged	0
Conductance	4303	pH	5.70
Temp. °C	13.05		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0836	Gal. Purged	0
Conductance	4300	pH	5.66
Temp. °C	13.06		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged 13.75 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 1.91

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

If well evacuated to dryness, number of gallons evacuated 13.75

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

Chloride

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

Final Depth 89.55 Sample Time 0835

See instruction

Comment

Arrived on site at 1344 Tanner and Garrin present for purge. Purge began at 1346
Purged well for a total of 1 minute 15 seconds Purged well dry
Purge ended at 1347. water was mostly clear. Left site at 1349
Arrived on site at 0832 Tanner and Garrin present to collect samples. Depth to water was
76.65 samples bailed at 0835 Left site at 0837

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-31_03112015

Date and Time for Purging 3/10/2015 and Sampling (if different) 3/11/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-30

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 106.00

Depth to Water Before Purging 81.11

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

Weather Cond. Sunny

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

Time	1414	Gal. Purged	19.25
Conductance	4750	pH	5.89
Temp. °C	15.42		
Redox Potential Eh (mV)	292		
Turbidity (NTU)	75.9		

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

Time	0841	Gal. Purged	0
Conductance	4746	pH	5.80
Temp. °C	12.95		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0842	Gal. Purged	0
Conductance	4746	pH	5.82
Temp. °C	13.00		
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 = 2.95

Number of casing volumes evacuated (if other than two) 1.18

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

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

Final Depth 103.86 Sample Time 0841

See instruction

Comment

Arrived on site at 1410 Tanner and Garrin present for purge. Purge began at 1412 Purged well for a total of 1 minute 45 seconds. Purged well dry. Purge ended at 1414. Water was murky. Left site at 1416
Arrived on site at 0838 Tanner and Garr'n present to collect samples. Depth to water was 81.34 samples bailed at 0841 Left site at 0843

TW4-31 03-10-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform ~~2014~~ 2015

Location (well name): TW4-32

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-32_03112015

Date and Time for Purging: 3/10/2015 and Sampling (if different): 3/11/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-28

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 115.10

Depth to Water Before Purging: 50.26

Casing Volume (V) 4" Well: 42.34 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1032	Gal. Purged	55
Conductance	7486	pH	3.37
Temp. °C	14.69		
Redox Potential Eh (mV)	371		
Turbidity (NTU)	8.3		

Time	1033	Gal. Purged	66
Conductance	7499	pH	3.36
Temp. °C	14.70		
Redox Potential Eh (mV)	371		
Turbidity (NTU)	8.2		

Time	1034	Gal. Purged	77
Conductance	7493	pH	3.36
Temp. °C	14.70		
Redox Potential Eh (mV)	371		
Turbidity (NTU)	8.2		

Time	1035	Gal. Purged	88
Conductance	7510	pH	3.35
Temp. °C	14.69		
Redox Potential Eh (mV)	371		
Turbidity (NTU)	8.1		

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 = 7.69

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy 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 77.80 Sample Time 0810

See instruction

Comment

Arrived on site at 1025 Tanner and Garrin present for purge. Purge began at 1027 Purged well for a total of 8 minutes. water was mostly clear. Purge ended at 1035. Left site at 1037
Arrived on site at 0807 Tanner and Garrin present to collect samples. Depth to water was 50.29 samples bailed at 0810 Left site at 0813

TW4-32 03-10-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-33

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-33_03122015

Date and Time for Purging 3/11/2015 and Sampling (if different) 3/12/2015

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 TW4-09

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 71.50

Casing Volume (V) 4" Well: 10.70 (.653h)
3" Well: 0 (.367h)

Weather Cond. Cloudy

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

Time	1330	Gal. Purged	11
Conductance	4534	pH	6.44
Temp. °C	15.25		
Redox Potential Eh (mV)	228		
Turbidity (NTU)	7.4		

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

Time	0755	Gal. Purged	0
Conductance	4439	pH	5.56
Temp. °C	13.77		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0756	Gal. Purged	0
Conductance	4446	pH	5.61
Temp. °C	13.71		
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 = 1.94

Number of casing volumes evacuated (if other than two) 1.02

If well evacuated to dryness, number of gallons evacuated ~~=~~ 11 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 85.15 Sample Time 0755

See instruction

Comment

Arrived on site at 1327 Tanner and Garrin present for purge. Purge began at 1329 Purged well for a total of 1 minute. Purged well dry! Purge ended at 1330 water was mostly clear. Left site at 1332

Arrived on site at 0752 Tanner and Garrin present to collect samples. Depth to water was 71.45 samples bailed at 0755 Left site at 0757

TW4-33 03-11-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-34

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID TW4-34_03112015

Date and Time for Purging 3/10/2015 and Sampling (if different) 3/11/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-31

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 97.20

Depth to Water Before Purging 70.70

Casing Volume (V) 4" Well: 17.30 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1502	Gal. Purged	27.50
Conductance	3838	pH	5.99
Temp. °C	15.30		
Redox Potential Eh (mV)	282		
Turbidity (NTU)	35		

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

Time	0847	Gal. Purged	0
Conductance	3866	pH	6.38
Temp. °C	12.69		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0848	Gal. Purged	0
Conductance	3870	pH	6.35
Temp. °C	12.75		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged 27.50 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.14

Number of casing volumes evacuated (if other than two) 1.58

If well evacuated to dryness, number of gallons evacuated 27.50

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 94.48 Sample Time 0847

See instruction

Comment

Arrived on site at 1457 Tanner and Garrin present for purge. Purge began at 1500 Purged well for a total of 2 minutes and 30 seconds. Purged well dry! Purge ended at 1502. Water was a little milky white color. Left site at 1504 Arrived on site at 0844 Tanner and Garrin present to collect samples. Depth to water was 70.90 samples bailed at 0847 Left site at 0849

TW4-34 03-10-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-35_03112015

Date and Time for Purging: 3/10/2015 and Sampling (if different): 3/11/2015

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: 74.15

Casing Volume (V) 4" Well: 8.71 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1534	Gal. Purged	11
Conductance	4419	pH	5.82
Temp. °C	15.60		
Redox Potential Eh (mV)	164		
Turbidity (NTU)	5.9		

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

Time	0853	Gal. Purged	0
Conductance	4312	pH	6.33
Temp. °C	13.40		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0854	Gal. Purged	0
Conductance	4324	pH	6.27
Temp. °C	13.41		
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 = 1.58

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

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 84.15 Sample Time 0853

See instruction

Comment

Arrived on site at 1530 Tanner and Garrin present for purge. Purge began at 1533 Purged well for a total of 1 minute. Purged well dry! Purge ended at 1534. water was clear. Left site at 1536
Arrived on site at 0850 Tanner and Garrin present to collect samples depth to water was 74.35 samples bailed at 0853 Left site at 0855

TW4-35 03-10-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-36

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-36_03112015

Date and Time for Purging 3/10/2015 and Sampling (if different) 3/11/2015

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 TW4-13

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 99.00

Depth to Water Before Purging 56.75

Casing Volume (V) 4" Well: 27.58 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1249	Gal. Purged	33
Conductance	2485	pH	6.01
Temp. °C	15.22		
Redox Potential Eh (mV)	138		
Turbidity (NTU)	81		

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

Time	0823	Gal. Purged	0
Conductance	2280	pH	6.50
Temp. °C	12.97		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0824	Gal. Purged	0
Conductance	2289	pH	6.49
Temp. °C	13.01		
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 = 5.01

Number of casing volumes evacuated (if other than two) 1.19

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 96.21
96.21

Sample Time 0823

See instruction

Comment

Arrived on site at 1244 Tanner and Garrin present for purge. Purge began at 1246
Purged well for a total of 3 minutes. Purged well dry. Purge ended at 1249.
water was murky. Left site at 1251
Arrived on site at 0820 Tanner and Garrin present to collect samples. Depth to water was
57.60 samples bailed at 0823 Left site at 0825

TW4-36 03-10-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-60

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-60_03172015

Date and Time for Purging 3/17/2015 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 MW-32

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 ~~18.60~~ 0

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

Weather Cond. Clear

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

Time	0854	Gal. Purged	0
Conductance	3.5	pH	7.12
Temp. °C	14.43		
Redox Potential Eh (mV)	250		
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 [0] gallon(s)

Pumping Rate Calculation

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

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

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

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

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

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

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

Final Depth [0] Sample Time [0855]

See instruction

Comment

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TW4-60 03-17-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-65_03112015

Date and Time for Purging 3/10/2015 and Sampling (if different) 3/11/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-28

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 115.10

Depth to Water Before Purging 50.26

Casing Volume (V) 4" Well: 42.34 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

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 = 7.69

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy 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 77.80 Sample Time 0810

See instruction

Comment

Duplicate of TW4-32

TW4-65 03-10-2015 Do not touch this cell (SheetName)

ENERGYFUELS

See instruction

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

Description of Sampling Event: 1ST Quarter Chloroform 2015

Location (well name): TW4-70

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-70_03122015

Date and Time for Purging 3/11/2015 and Sampling (if different) 3/12/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-26

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging 63.29

Casing Volume (V) 4" Well: 37.03 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

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

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

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

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

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

Volume of Water Purged 99 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.73

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

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

Final Depth 64.75 Sample Time 0728

See instruction

Comment

Duplicate of TW4-05

TW4-70 03-11-2015 Do not touch this cell (SheetName)

Tab C

Weekly and Monthly Depth to Water Data

Weekly Inspection Form

Date 1/5/15 **Name** Garrin Palmer

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
—	MW-4	—	Flow —	Yes (No)
			Meter —	Yes (No)
—	MW-26	—	Flow —	Yes (No)
			Meter —	Yes (No)
1300	TW4-19	67.42	Flow 11.0 GPM	(Yes) No
			Meter 3089517.00	(Yes) No
—	TW4-20	—	Flow —	Yes (No)
			Meter —	Yes (No)
—	TW4-4	—	Flow —	Yes (No)
		—	Meter —	Yes (No)
1414	TWN-2	32.60	Flow 18.2 GPM	(Yes) No
			Meter 375947.50	(Yes) No
—	TW4-22	—	Flow —	Yes (No)
			Meter —	Yes (No)
—	TW4-24	—	Flow —	Yes (No)
			Meter —	Yes (No)
1410	TW4-25	62.00	Flow 16.8 GPM	(Yes) No
			Meter 1010984.90	(Yes) No

Operational Problems (Please list well number): MW24, MW-26, TW4-20, TW4-4, TW4-22, TW4-24 not operational. Discharge line frozen. New line should be complete by the end of the week.

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 1/12/15 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1539	MW-4	70.58	Flow 4.8 GPM	(Yes) No
			Meter 555520.90	(Yes) No
1536	MW-26	72.93	Flow 12.0 GPM	(Yes) No
			Meter 480530.41	(Yes) No
1404	TW4-19	59.14	Flow ———	Yes (No)
			Meter 3093730.00	Yes (No)
1528	TW4-20	69.53	Flow 8.0 GPM	(Yes) No
			Meter 46025.45	(Yes) No
1543	TW4-4	69.70	Flow 10.4 GPM	(Yes) No
			Meter 27494.60	(Yes) No
1518	TWN-2	41.30	Flow 18.4 GPM	(Yes) No
			Meter 378681.80	(Yes) No
1525	TW4-22	60.21	Flow 17.4 GPM	(Yes) No
			Meter 196517.60	(Yes) No
1522	TW4-24	65.83	Flow 17.8 GPM	(Yes) No
			Meter 1704371.90	(Yes) No
1514	TW4-25	58.78	Flow 16.4 GPM	(Yes) No
			Meter 1016370.90	(Yes) No

Operational Problems (Please list well number): TW4-19 was temporarily shut off due to problems with new discharge line.

Corrective Action(s) Taken (Please list well number): Notified maintenance to repair line.

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 1/19/15 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1446	MW-4	70.91	Flow 4.5 GPM	(Yes) No
			Meter 561927.33	(Yes) No
1435	MW-26	66.60	Flow 12.0 GPM	(Yes) No
			Meter 482777.30	(Yes) No
1407	TW4-19	68.06	Flow 12.0 GPM	(Yes) No
			Meter 3097576.00	(Yes) No
1430	TW4-20	66.02	Flow 8.6 GPM	(Yes) No
			Meter 47388.03	(Yes) No
1453	TW4-4	70.10	Flow 11.6 GPM	(Yes) No
			Meter 3617.90	(Yes) No
1410	TWN-2	32.61	Flow 17.0 GPM	(Yes) No
			Meter 382262.40	(Yes) No
1427	TW4-22	64.97	Flow 18.0 GPM	(Yes) No
			Meter 193499.30	(Yes) No
1424	TW4-24	68.95	Flow 17.9 GPM	(Yes) No
			Meter 1715681.10	(Yes) No
1413	TW4-25	58.05	Flow 14.5 GPM	(Yes) No
			Meter 1016396.60	(Yes) No
1450	TW4-1	69.05	Flow 18.0 GPM	(Yes) No
			Meter 2071.00	(Yes) No
1441	TW4-2	70.0	Flow 18.0 GPM	(Yes) No
			Meter 2457.70	(Yes) No
1438	TW4-11	69.20	Flow 18.0 GPM	(Yes) No
			Meter 1467.00	(Yes) No
—	TW4-21	—	Flow Not in operation	Yes (No)
			Meter —	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 1/26/15 **Name** Garrin Palmer / Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1451	MW-4	72.45	Flow 4.5 GPM	(Yes) No
			Meter 568787.04	(Yes) No
1441	MW-26	66.61	Flow 12.0 GPM	(Yes) No
			Meter 484540.96	(Yes) No
1414	TW4-19	63.88	Flow 12.0 GPM	(Yes) No
			Meter 3103071.00	(Yes) No
1438	TW4-20	65.64	Flow 8.4 GPM	(Yes) No
			Meter 48684.70	(Yes) No
1457	TW4-4	70.04	Flow 11.0 GPM	(Yes) No
			Meter or ~~484540.96~~ 9877.50	(Yes) No
1428	TWN-2	32.95	Flow 18.2 GPM	(Yes) No
			Meter 385969.40	(Yes) No
1434	TW4-22	63.14	Flow 18.0 GPM	(Yes) No
			Meter 195385.70	(Yes) No
1431	TW4-24	66.23	Flow 17.8 GPM	(Yes) No
			Meter 1726223.80	(Yes) No
1424	TW4-25	90.14	Flow 17.3 GPM	(Yes) No
			Meter 1072217.80	(Yes) No
1454	TW4-1	70.00	Flow 18.0 GPM	(Yes) No
			Meter 4542.60	(Yes) No
1448	TW4-2	72.10	Flow 18.0 GPM	(Yes) No
			Meter or ~~[illegible]~~ 5250.90	(Yes) No
14.44	TW4-11	73.51	Flow 18.0 GPM	(Yes) No
			Meter 3488.70	(Yes) No
—	TW4-21	—	Flow Not in operation	Yes (No)
			Meter —	Yes (No)

Operational Problems (Please list well number): [redacted] Replaced heat lamp at TW4-25.

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

* Depth is measured to the nearest 0.01 feet.

Monthly Depth Check Form

Date 1/28/15 **Name** Garrin Palmer / Tanner Holliday

Time	Well	Depth*	Time	Well	Depth*
1228	MW-4	70.06	1231	TWN-1	60.71
1235	TW4-1	70.05	1238	TWN-2	32.68
1224	TW4-2	72.46	1240	TWN-3	39.00
1221	TW4-3	55.19	1243	TWN-4	53.57
1237	TW4-4	70.98	1251	TWN-7	85.95
1216	TW4-5	63.25	1246	TWN-18	59.68
1240	TW4-6	70.40	1248	MW-27	53.70
1228	TW4-7	69.78	1256	MW-30	75.41
1232	TW4-8	71.80	1259	MW-31	68.37
1219	TW4-9	61.17			
1215	TW4-10	61.08			
1227	TW4-11	71.80			
1209	TW4-12	44.24			
1308	TW4-13	49.68	1311	TW4-28	38.58
1304	TW4-14	82.18	1303	TW4-29	72.78
1209	TW4-15	67.12	1300	TW4-30	76.57
1303	TW4-16	65.61	1258	TW4-31	81.33
1256	TW4-17	76.40	1313	TW4-32	50.21
1234	TW4-18	64.09	1248	TW4-33	71.30
1333	TW4-19	65.12	1251	TW4-34	70.68
1207	TW4-20	65.82	1302	TW4-35	74.25
1236	TW4-21	62.86	1306	TW4-36	56.96
1205	TW4-22	60.97			
1242	TW4-23	67.55			
1204	TW4-24	66.02			
1236	TW4-25	59.00			
1244	TW4-26	64.90			
1255	TW4-27	80.29			

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

* Depth is measured to the nearest 0.01 feet

Weekly Inspection Form

Date 2/2/2015 **Name** Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1310	MW-4	74.35	Flow 4.8 GPM	Yes No
			Meter 575424.97	Yes No
1330	MW-26	68.46	Flow 12.0	Yes No
			Meter 48689897	Yes No
2/4/15 0915	TW4-19	67.60	Flow 12.0	Yes No
			Meter 3109732.08	Yes No
1335	TW4-20	76.49	Flow 8.1 GPM	Yes No
			Meter 499888.56	Yes No
1301	TW4-4	69.98	Flow 10.7 GPM	Yes No
			Meter 15703.6	Yes No
~~1314~~	TWN-2	~~75.10~~	Flow ~~17.3 GPM~~ 18.4 GPM	Yes No
1357		33.0	Meter ~~7954.4~~ 3893594	Yes No
1409	TW4-22	79.42	Flow 17.90	Yes No
			Meter 197276.6	Yes No
1406	TW4-24	66.12	Flow 18.0	Yes No
			Meter 173611.79	Yes No
1351	TW4-25	60.19	Flow 16.1	Yes No
			Meter 1072217.8	Yes No
1304	TW4-1	79.98	Flow 17.5	Yes No
			Meter 7025.7	Yes No
1314	TW4-2	75.10	Flow 17.3 GPM	Yes No
			Meter 7954.4	Yes No
1325	TW4-11	94.98	Flow ~~8.12 GPM~~ 18.0 GPM	Yes No
			Meter 5106.7	Yes No
N/A	TW4-21	N/A	Flow N/A	Yes No
			Meter N/A	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 2/9/15 **Name** Garrin Palmer / Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1327	MW-4	81.20	Flow 4.5 GPM	Yes No
			Meter 582267.60	Yes No
1459	MW-26	81.15	Flow 10.5 GPM	Yes No
			Meter 488631.55	Yes No
1405	TW4-19	68.60	Flow 11.0 GPM	Yes No
			Meter 3113731.00	Yes No
1455	TW4-20	65.00	Flow 8.8 GPM	Yes No
			Meter 512082.30	Yes No
1333	TW4-4	70.28	Flow 11.0 GPM	Yes No
			Meter 21720.80	Yes No
1445	TWN-2	32.88	Flow 18.6 GPM	Yes No
			Meter 392975.70	Yes No
1452	TW4-22	60.95	Flow 17.8 GPM	Yes No
			Meter 199010.40	Yes No
1448	TW4-24	65.7	Flow ~~[illegible]~~ 17.4 GPM	Yes No
			Meter 1745463.10	Yes No
1441	TW4-25	58.81	Flow 16.0 GPM	Yes No
			Meter 1072226.60	Yes No
1330	TW4-1	70.79	Flow 18.0 GPM	Yes No
			Meter 9437.20	Yes No
1324	TW4-2	73.90	Flow 17.0 GPM	Yes No
			Meter 10588.80	Yes No
1320	TW4-11	91.20	Flow 18.0 GPM	Yes No
			Meter 5879.20	Yes No
	TW4-21		Flow	Yes No
			Meter	Yes No

Operational Problems (Please list well number): TW4-21 Not in operation.

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 2/16/15 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1400	MW-4	74.49	Flow 4.4 GPM	(Yes) No
			Meter 588860.81	(Yes) No
1320	MW-26	68.31	Flow 12.0 GPM	(Yes) No
			Meter 491549.03	(Yes) No
1245	TW4-19	62.50	Flow 11.0 GPM	(Yes) No
			Meter 3110051.01	(Yes) No
1317	TW4-20	64.29	Flow 8.7 GPM	(Yes) No
			Meter 52547.00	(Yes) No
1344	TW4-4	70.41	Flow 11.2 GPM	(Yes) No
			Meter 27550.33	(Yes) No
1308	TWN-2	33.05	Flow 18.4 GPM	(Yes) No
			Meter 396602	(Yes) No
1314	TW4-22	59.40	Flow 18.0 GPM	(Yes) No
			Meter 200983.50	(Yes) No
1311	TW4-24	65.39	Flow 17.8 GPM	(Yes) No
			Meter 1753061.40	(Yes) No
1304	TW4-25	58.07	Flow 15.0 GPM	(Yes) No
			Meter 1072237.00	(Yes) No
1340	TW4-1	71.50	Flow 18.0 GPM	(Yes) No
			Meter 11555.10	(Yes) No
1325	TW4-2	73.40	Flow	Yes (No)
			Meter 12987.70	Yes (No)
1323	TW4-11	94.70	Flow 18.0 GPM	(Yes) No
			Meter 6556.70	(Yes) No
	~~TW4-21~~		~~Flow~~	~~Yes No~~
			~~Meter~~	~~Yes No~~

Operational Problems (Please list well number): TWN-21 not in operation
- Lost power to TW4-2, 4

Corrective Action(s) Taken (Please list well number): Electricians have been notified for repair.

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 2/24/14 **Name** Garrin Palmer

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0906	MW-4	80.00	Flow 4.6 GPM	Yes No
			Meter 596459.72	Yes No
0851	MW-26	65.70	Flow 11.8 GPM	Yes No
			Meter 493493.58	Yes No
0934	TW4-19	63.60	Flow 8.2 GPM	Yes No
			Meter 3123875.00	Yes No
0846	TW4-20	64.60	Flow 9.0 GPM	Yes No
			Meter 54108.23	Yes No
0918	TW4-4	70.42	Flow 10.0 GPM	Yes No
			Meter 834015.40	Yes No
0828	TWN-2	33.22	Flow 18.8 GPM	Yes No
			Meter 400658.70	Yes No
0840	TW4-22	62.40	Flow 17.6 GPM	Yes No
			Meter 203085.40	Yes No
0834	TW4-24	65.20	Flow 18.0 GPM	Yes No
			Meter 1763077.00	Yes No
0823	TW4-25	57.80	Flow 16.0 GPM	Yes No
			Meter 1072258.40	Yes No
0912	TW4-1	71.30	Flow 17.8 GPM	Yes No
			Meter 14116.40	Yes No
0901	TW4-2	74.80	Flow 17.3 GPM	Yes No
			Meter 15374.50	Yes No
0857	TW4-11	92.50	Flow 18.0 GPM	Yes No
			Meter 7250.01	Yes No
	~~TW4-21~~		~~Flow~~	Yes ~~No~~
			Meter	Yes ~~No~~

Operational Problems (Please list well number): TW4-21 not in operation.

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

* Depth is measured to the nearest 0.01 feet.

Monthly Depth Check Form

Date 2/24/14 **Name** Garrin Palmer

Time	Well	Depth*	Time	Well	Depth*
0906	MW-4	80.00	1004	TWN-1	60.74
0912	TW4-1	71.30	0828	TWN-2	33.22
0901	TW4-2	74.80	1026	TWN-3	38.25
1333	TW4-3	54.96	1312	TWN-4	52.65
0918	TW4-4	70.42	1020	TWN-7	87.85
1329	TW4-5	63.00	1309	TWN-18	59.60
1340	TW4-6	70.35	1016	MW-27	53.56
1338	TW4-7	71.65	1439	MW-30	75.38
1335	TW4-8	74.30	1436	MW-31	68.30
1331	TW4-9	60.94			
1327	TW4-10	60.82			
0857	TW4-11	92.50			
1412	TW4-12	44.25			
1410	TW4-13	49.51	1414	TW4-28	38.56
1406	TW4-14	81.90	1404	TW4-29	72.67
0851	TW4-15	65.70	1355	TW4-30	76.30
1433	TW4-16	65.16	1353	TW4-31	81.07
1430	TW4-17	76.60	1416	TW4-32	50.09
1007	TW4-18	63.93	1349	TW4-33	71.25
0934	TW4-19	63.60	1400	TW4-34	70.56
0846	TW4-20	64.60	1357	TW4-35	74.09
1010	TW4-21	61.75	1408	TW4-36	56.68
0840	TW4-22	62.40			
1342	TW4-23	67.44			
0834	TW4-24	65.20			
0823	TW4-25	57.80			
1344	TW4-26	64.89			
1351	TW4-27	80.02			

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

* Depth is measured to the nearest 0.01 feet

Weekly Inspection Form

Date 3/2/15 **Name** Garrin Palmer / Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1519	MW-4	82.36	Flow 4.6 GPM	Yes No
			Meter 602422.00	Yes No
1508	MW-26	89.32	Flow 11.0 GPM	Yes No
			Meter 495509.97	Yes No
1410	TW4-19	62.78	Flow 8.0 GPM	Yes No
			Meter 3127415.00	Yes No
1504	TW4-20	64.34	Flow 9.0 GPM	Yes No
			Meter 55487.71	Yes No
1528	TW4-4	70.10	Flow 10.0 GPM	Yes No
			Meter 39100.90	Yes No
1435	TWN-2	31.95	Flow 18.4 GPM	Yes No
			Meter 403708.00	Yes No
1458	TW4-22	60.00	Flow 17.4 GPM	Yes No
			Meter 204767.60	Yes No
1450	TW4-24	69.92	Flow 17.4 GPM	Yes No
			Meter 1769256.60	Yes No
1427	TW4-25	57.37	Flow 16.0 GPM	Yes No
			Meter 1072362.80	Yes No
1523	TW4-1	72.01	Flow 18.0 GPM	Yes No
			Meter 16115.40	Yes No
1514	TW4-2	74.50	Flow 17.4 GPM	Yes No
			Meter 17187.50	Yes No
1511	TW4-11	92.11	Flow 18.0 GPM	Yes No
			Meter 7781.70	Yes No
	~~TW4-21~~		~~Flow~~	~~Yes No~~
			~~Meter~~	~~Yes No~~

Operational Problems (Please list well number): TW4-21 not in operation.
Replaced heat lamp is TW4-2.

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 3/9/15 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1435	MW-4	76.00	Flow 4.6 GPM	Yes No
			Meter 609229.92	Yes No
1357	MW-26	70.06	Flow 12.0 GPM	Yes No
			Meter 497443.94	Yes No
1200	TW4-19	62.70	Flow 11.0 GPM	Yes No
			Meter 3131990.00	Yes No
1347	TW4-20	63.90	Flow 9.2 GPM	Yes No
			Meter 56895.04	Yes No
1450	TW4-4	70.00	Flow 11.0 GPM	Yes No
			Meter 44797.80	Yes No
1318	TWN-2	30.26	Flow 18.0 GPM	Yes No
			Meter 407377.60	Yes No
1332	TW4-22	59.67	Flow 17.8 GPM	Yes No
			Meter 206584.30	Yes No
1324	TW4-24	64.80	Flow 17.9 GPM	Yes No
			Meter 1776151.50	Yes No
1300	TW4-25	57.60	Flow 16.0 GPM	Yes No
			Meter 1072373.98	Yes No
1442	TW4-1	81.00	Flow 18.0 GPM	Yes No
			Meter 18278.55	Yes No
1427	TW4-2	75.20	Flow 18.0 GPM	Yes No
			Meter 10067.70	Yes No
1405	TW4-11	94.38	Flow 18.0	Yes No
			Meter 8321.70	Yes No
	~~TW4-21~~		~~Flow~~	Yes No
			Meter	Yes No

Operational Problems (Please list well number): TW4-21 not in operation.

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 3/16/15 **Name** Garrin Palmer, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1359	MW-4	76.86	Flow 4.7 GPM	Yes No
			Meter 610068.72	Yes No
1352	MW-26	70.98	Flow 11.5 GPM	Yes No
			Meter 499583.20	Yes No
1448	TW4-19	62.68	Flow 12.0 GPM	Yes No
			Meter 3136758.00	Yes No
1349	TW4-20	63.89	Flow 9.2 GPM	Yes No
			Meter 58253.40	Yes No
1407	TW4-4	70.00	Flow 11.5 GPM	Yes No
			Meter 50318.73	Yes No
1338	TWN-2	29.00	Flow 18.5 GPM	Yes No
			Meter 411048.70	Yes No
1346	TW4-22	59.61	Flow 18.0 GPM	Yes No
			Meter 208490.60	Yes No
1342	TW4-24	79.03	Flow 15.6 GPM	Yes No
			Meter 1781225.30	Yes No
1335	TW4-25	57.58	Flow 16.0 GPM	Yes No
			Meter 1072306.40	Yes No
1405	TW4-1	72.90	Flow 17.6 GPM	Yes No
			Meter 20175.20	Yes No
1356	TW4-2	75.69	Flow 17.8 GPM	Yes No
			Meter 20770.72	Yes No
1354	TW4-11	90.85	Flow 18.0 GPM	Yes No
			Meter 8810.20	Yes No
	~~TW4-21~~		~~Flow~~	~~Yes No~~
			~~Meter~~	~~Yes No~~

Operational Problems (Please list well number): TW4-21 not in operation.

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 3/25/15 **Name** Garrin Palmer / Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1429	MW-4	76.04	Flow 4.6 GPM	Yes No
			Meter 624462.25	Yes No
1419	MW-26	67.50	Flow 11.6 GPM	Yes No
			Meter 502593.08	Yes No
1515	TW4-19	63.88	Flow 8.6 GPM	Yes No
			Meter 3142587.00	Yes No
1416	TW4-20	63.50	Flow 9.2 GPM	Yes No
			Meter 60101.17	Yes No
1435	TW4-4	70.42	Flow 11.0 GPM	Yes No
			Meter 57556.50	Yes No
1407	TWN-2	28.41	Flow 18.0 GPM	Yes No
			Meter 415771.50	Yes No
1414	TW4-22	72.05	Flow 17.5 GPM	Yes No
			Meter 210822.50	Yes No
1410	TW4-24	64.43	Flow 17.8 GPM	Yes No
			Meter 1787654.98	Yes No
1403	TW4-25	57.45	Flow 16.0 GPM	Yes No
			Meter 1072317.60	Yes No
1432	TW4-1	72.50	Flow 17.4 GPM	Yes No
			Meter 22603.40	Yes No
1426	TW4-2	75.31	Flow 17.4 GPM	Yes No
			Meter 22961.25	Yes No
1423	TW4-11	90.60	Flow 18.0 GPM	Yes No
			Meter 9464.11	Yes No
	~~TW4-21~~		~~Flow~~	~~Yes No~~
			~~Meter~~	~~Yes No~~

Operational Problems (Please list well number): TW4-21 not in operation.

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 3/30/15 **Name** Garnin Palmer / Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1439	MW-4	73.21	Flow 4.6 GPM	Yes No
			Meter 629036.83	Yes No
1430	MW-26	72.41	Flow 11.2 GPM	Yes No
			Meter 503495.50	Yes No
1509	TW4-19	64.48	Flow 11.0 GPM	Yes No
			Meter 3145435.00	Yes No
1427	TW4-20	98.30	Flow 9.2 GPM	Yes No
			Meter 611467.00	Yes No
1445	TW4-4	72.41	Flow 11.0 GPM	Yes No
			Meter 61465.90	Yes No
1417	TWN-2	28.37	Flow 18.8 GPM	Yes No
			Meter 418312.40	Yes No
1424	TW4-22	64.42	Flow 17.8 GPM	Yes No
			Meter 212076.30	Yes No
1421	TW4-24	64.20	Flow 17.3 GPM	Yes No
			Meter 1791229.20	Yes No
1414	TW4-25	57.45	Flow 16.0 GPM	Yes No
			Meter 1072439.10	Yes No
1442	TW4-1	72.22	Flow 17.6 GPM	Yes No
			Meter 24569.20	Yes No
1436	TW4-2	76.42	Flow 17.4 GPM	Yes No
			Meter 24156.70	Yes No
1433	TW4-11	90.33	Flow 17.1 GPM	Yes No
			Meter 9898.70	Yes No
	TW4-21		Flow	Yes No
			Meter	Yes No

Operational Problems (Please list well number): TW4-21 not yet in operation

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

* Depth is measured to the nearest 0.01 feet.

Tab D

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

NAME: Garrin Palmer, Tanner Holliday

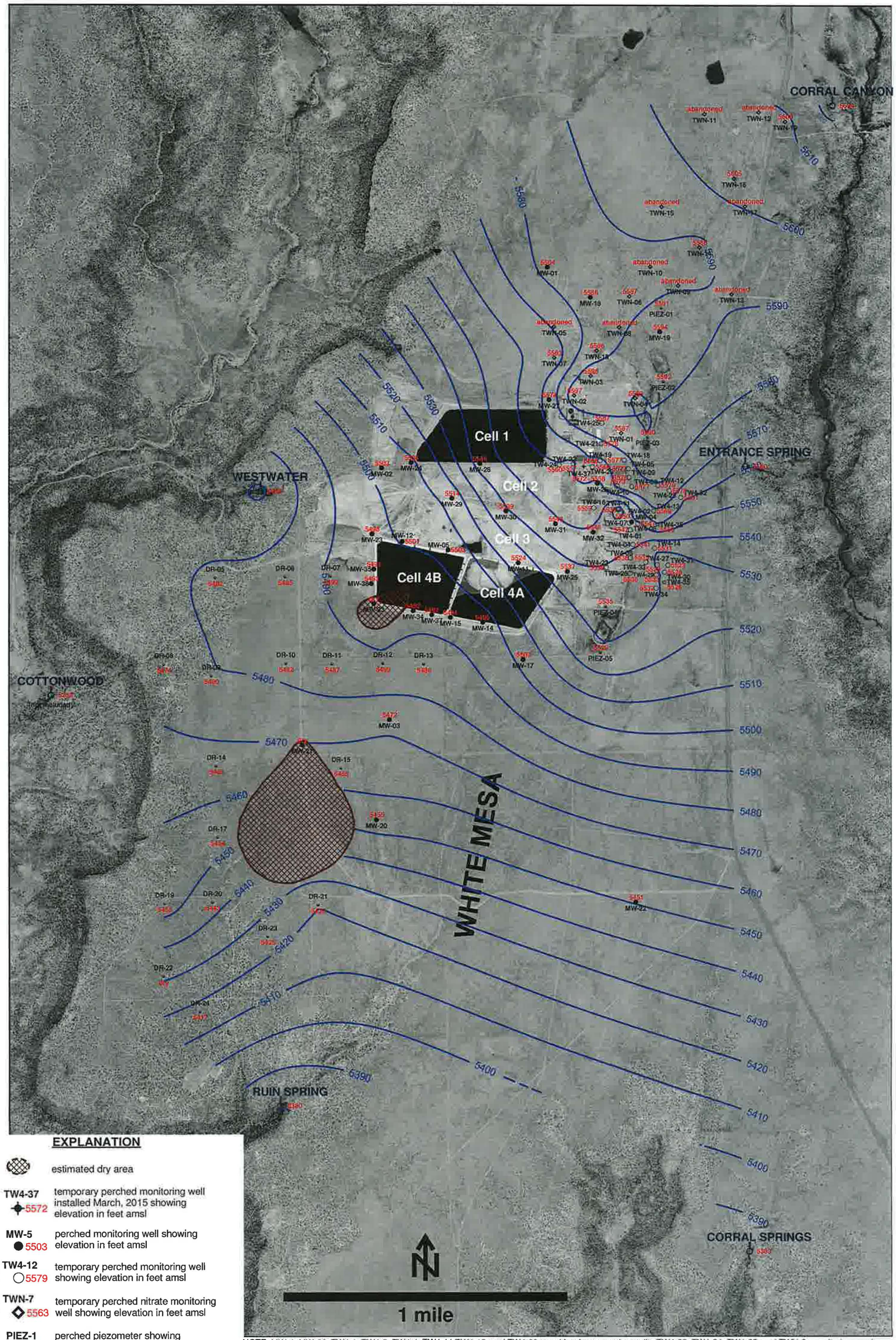
DATE: 3/26/15

TIME	WELL	Depth to Water (ft.)
1300	MW-1	64.10
1327	MW-2	109.74
958	MW-3	82.71
958	MW-3A	84.81
1319	MW-5	106.35
1248	MW-11	86.43
1321	MW-12	108.47
1254	MW-14	103.38
1257	MW-15	106.35
1004	MW-17	72.34
1257	MW-18	71.59
1241	MW-19	60.47
852	MW-20	85.72
847	MW-22	66.90
1313	MW-23	114.40
1314	MW-24	113.44
1243	MW-25	75.73
1209	MW-26	67.90
1310	MW-27	53.78
1318	MW-28	75.46
1324	MW-29	101.10
1321	MW-30	75.49
1229	MW-31	68.26
1228	MW-32	77.00
1303	MW-33	DRY
1302	MW-34	107.96
1312	MW-35	112.50
1310	MW-36	110.64
1259	MW-37	107.49

TIME	WELL	Depth to Water (ft.)
1212	MW-4	71.20
1213	TW4-1	72.08
1211	TW4-2	74.79
1218	TW4-3	55.50
1214	TW4-4	72.00
1220	TW4-5	63.33
1235	TW4-6	70.75
1212	TW4-7	72.50
1216	TW4-8	74.51
1221	TW4-9	61.24
1223	TW4-10	61.12
1210	TW4-11	91.00
1024	TW4-12	44.95
1023	TW4-13	50.44
1019	TW4-14	81.91
1209	TW4-15	67.90
1225	TW4-16	65.00
1228	TW4-17	77.00
1221	TW4-18	64.10
1045	TW4-19	63.40
1206	TW4-20	63.88
1223	TW4-21	61.16
1202	TW4-22	72.00
1230	TW4-23	67.90
1200	TW4-24	65.88
1225	TW4-25	57.51
1237	TW4-26	65.25
1010	TW4-27	80.23
1025	TW4-28	38.89
1018	TW4-29	73.00
1013	TW4-30	76.58
1011	TW4-31	81.25
1027	TW4-32	50.49
1008	TW4-33	71.59
1016	TW4-34	70.97
1014	TW4-35	74.31
1021	TW4-36	56.80
1204	TW4-37	60.17

TIME	WELL	Depth to Water (ft.)
1245	PIEZ-1	64.52
1238	PIEZ-2	37.09
1235	PIEZ-3	47.98
1243	PIEZ-4	56.30
1240	PIEZ-5	55.57
1217	TWN-1	61.00
1214	TWN-2	29.98
1227	TWN-3	38.30
1232	TWN-4	52.70
	TWN-5	ABANDON
1254	TWN-6	77.65
1303	TWN-7	85.93
	TWN-8	ABANDON
	TWN-9	ABANDON
	TWN-10	ABANDON
	TWN-11	ABANDON
	TWN-12	ABANDON
	TWN-13	ABANDON
1248	TWN-14	61.56
	TWN-15	ABANDON
1250	TWN-16	47.66
	TWN-17	ABANDON
1230	TWN-18	59.79
1034	TWN-19	53.40

TIME	WELL	Depth to Water (ft.)
NA	DR-1	ABANDON
NA	DR-2	ABANDON
937	DR-5	83.25
934	DR-6	94.28
1307	DR-7	92.31
929	DR-8	51.22
926	DR-9	86.71
924	DR-10	78.26
952	DR-11	98.40
955	DR-12	90.66
1001	DR-13	69.96
920	DR-14	76.50
947	DR-15	93.11
	DR-16	ABANDON
916	DR-17	65.02
	DR-18	ABANDON
905	DR-19	63.20
903	DR-20	55.52
856	DR-21	101.35
913	DR-22	DRY
859	DR-23	70.72
909	DR-24	44.36
NA	DR-25	ABANDON



NOTE: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11,TW4-19, and TW4-20 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells

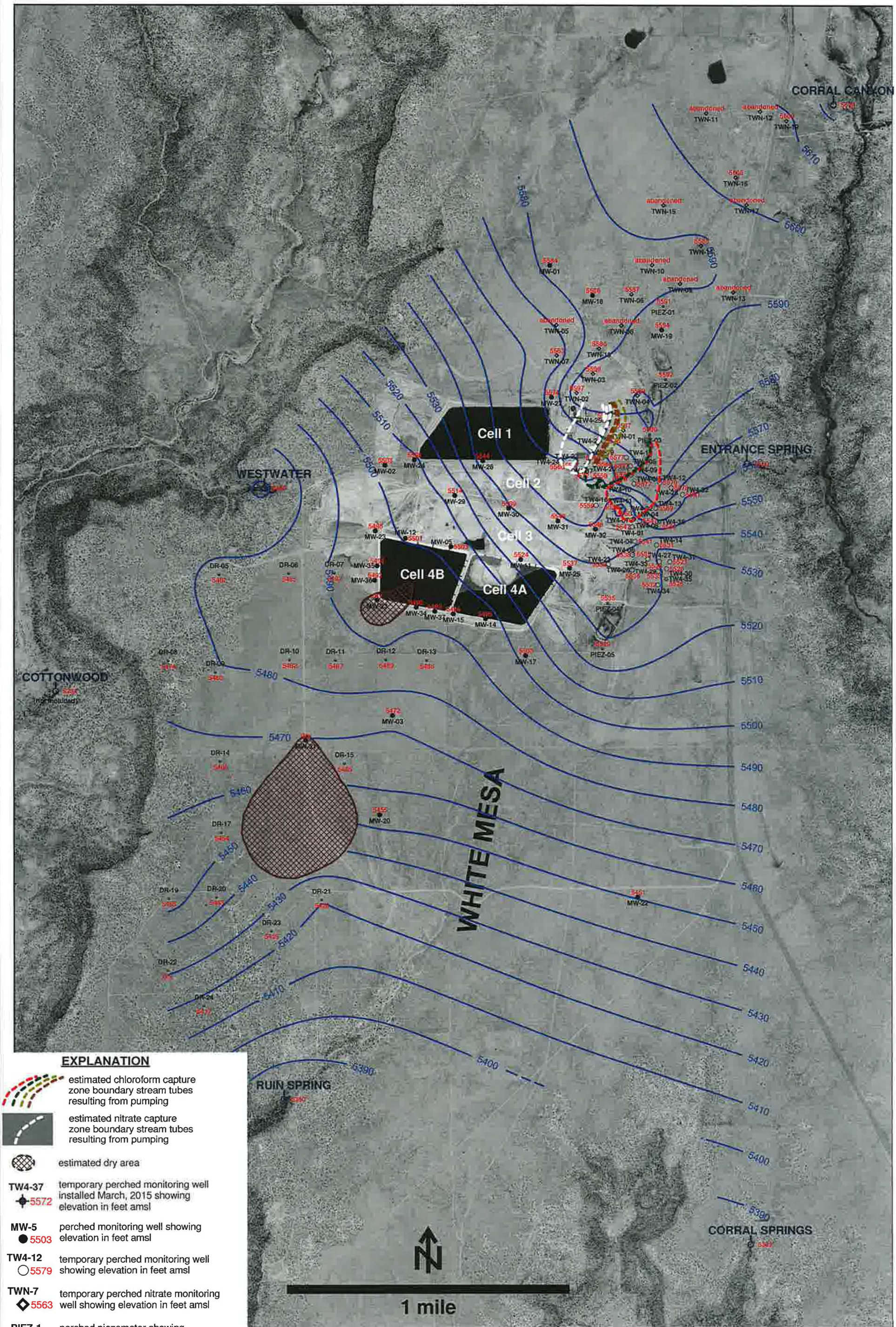
EXPLANATION

	estimated dry area
TW4-37 5572	temporary perched monitoring well installed March, 2015 showing elevation in feet amsl
MW-5 5503	perched monitoring well showing elevation in feet amsl
TW4-12 5579	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

HYDRO GEO CHEM, INC.

KRIGED 1st QUARTER, 2015 WATER LEVELS WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/may15/WL/Uwl0315_rev.srf	D-1

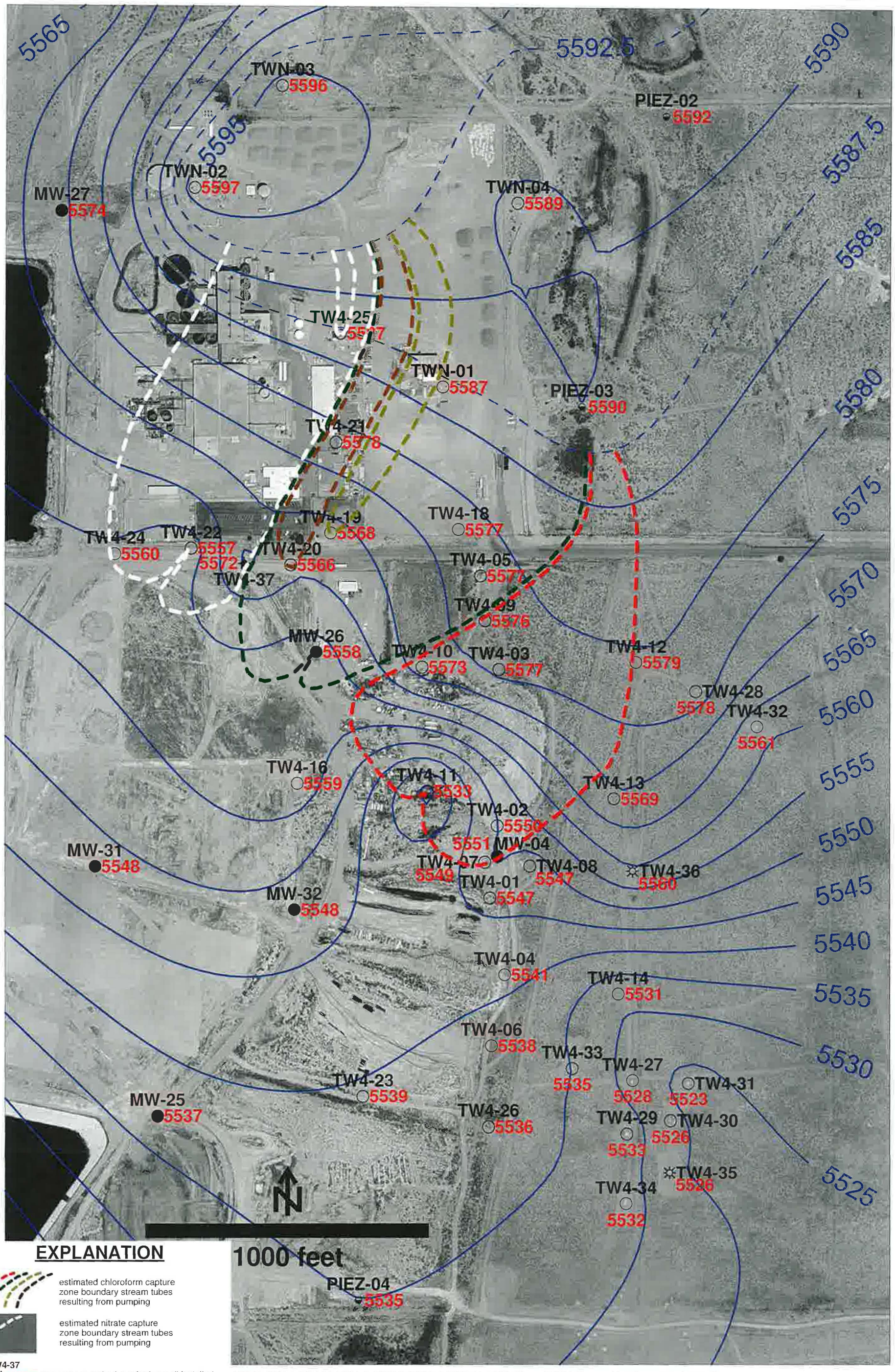


NOTE: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11,TW4-19, and TW4-20 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells

HYDRO GEO CHEM, INC.

KRIGED 1st QUARTER, 2015 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/may15/WL/Uwl0315cz2_rev.srf	D-2



EXPLANATION

estimated chloroform capture zone boundary stream tubes resulting from pumping

estimated nitrate capture zone boundary stream tubes resulting from pumping

TW4-37 5572 — temporary perched monitoring well installed March, 2015 showing elevation in feet amsl

MW-4 5551 — perched monitoring well showing elevation in feet amsl

TW4-7 5549 — temporary perched monitoring well showing elevation in feet amsl

PIEZ-2 5592 — 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, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, and TW4-20 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells

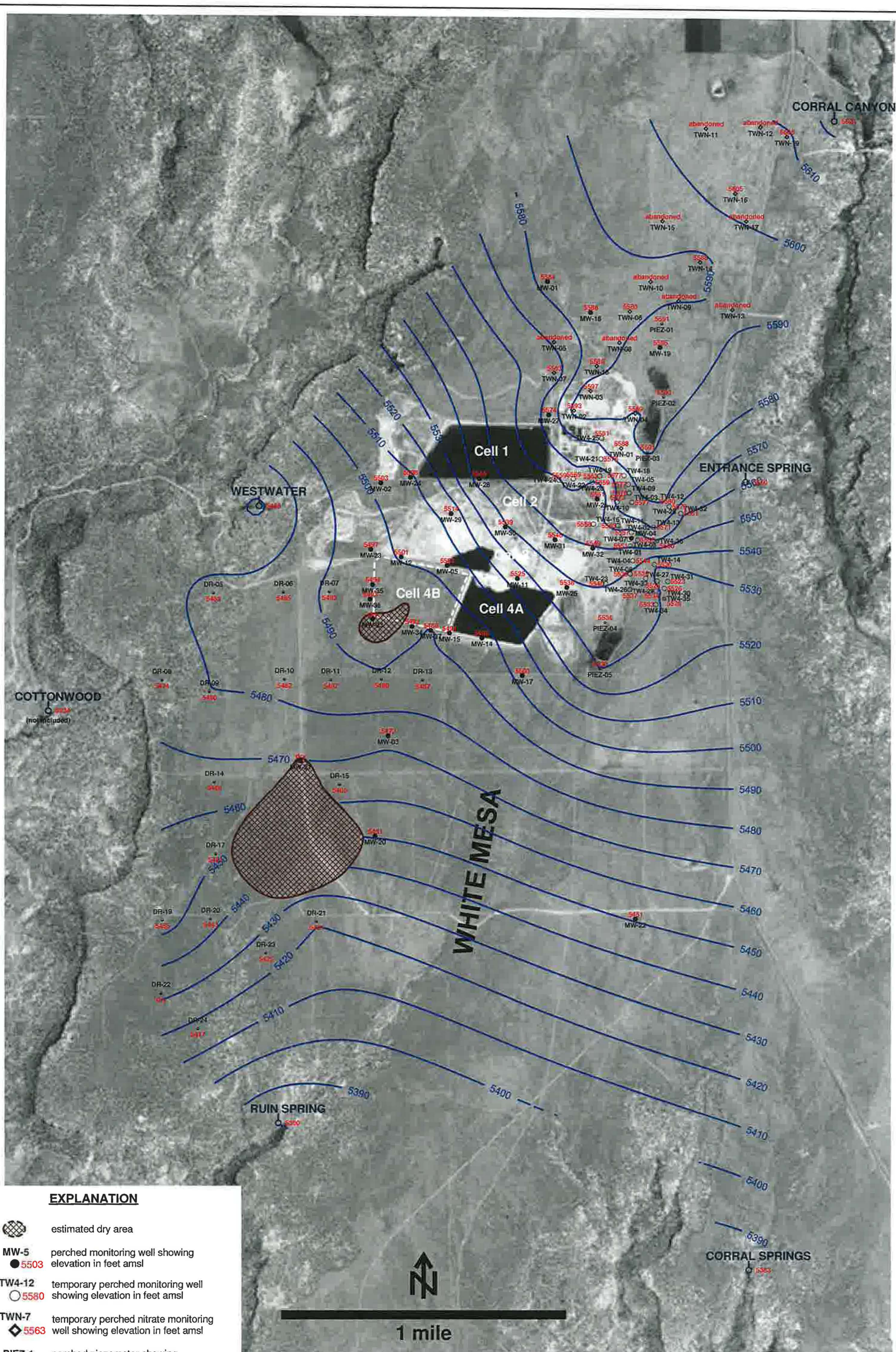
HYDRO GEO CHEM, INC.

KRIGED 1st QUARTER, 2015 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE (detail map)

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/ may15/WL/Uwl0315cz_rev.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 ◒ 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.

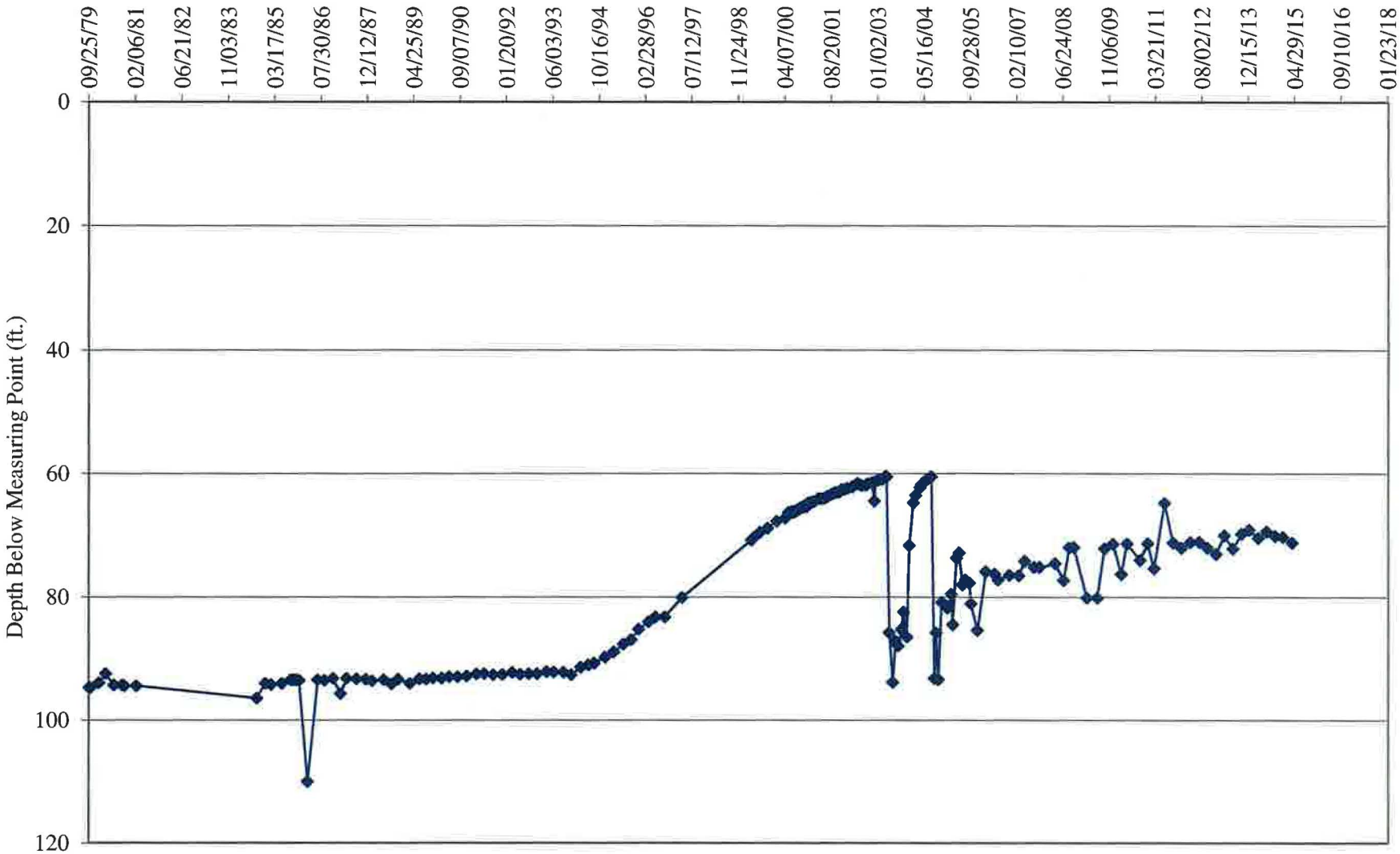
KRIGED 4th QUARTER, 2014 WATER LEVELS WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/feb15/WL/Uwl1214.srf	E-1

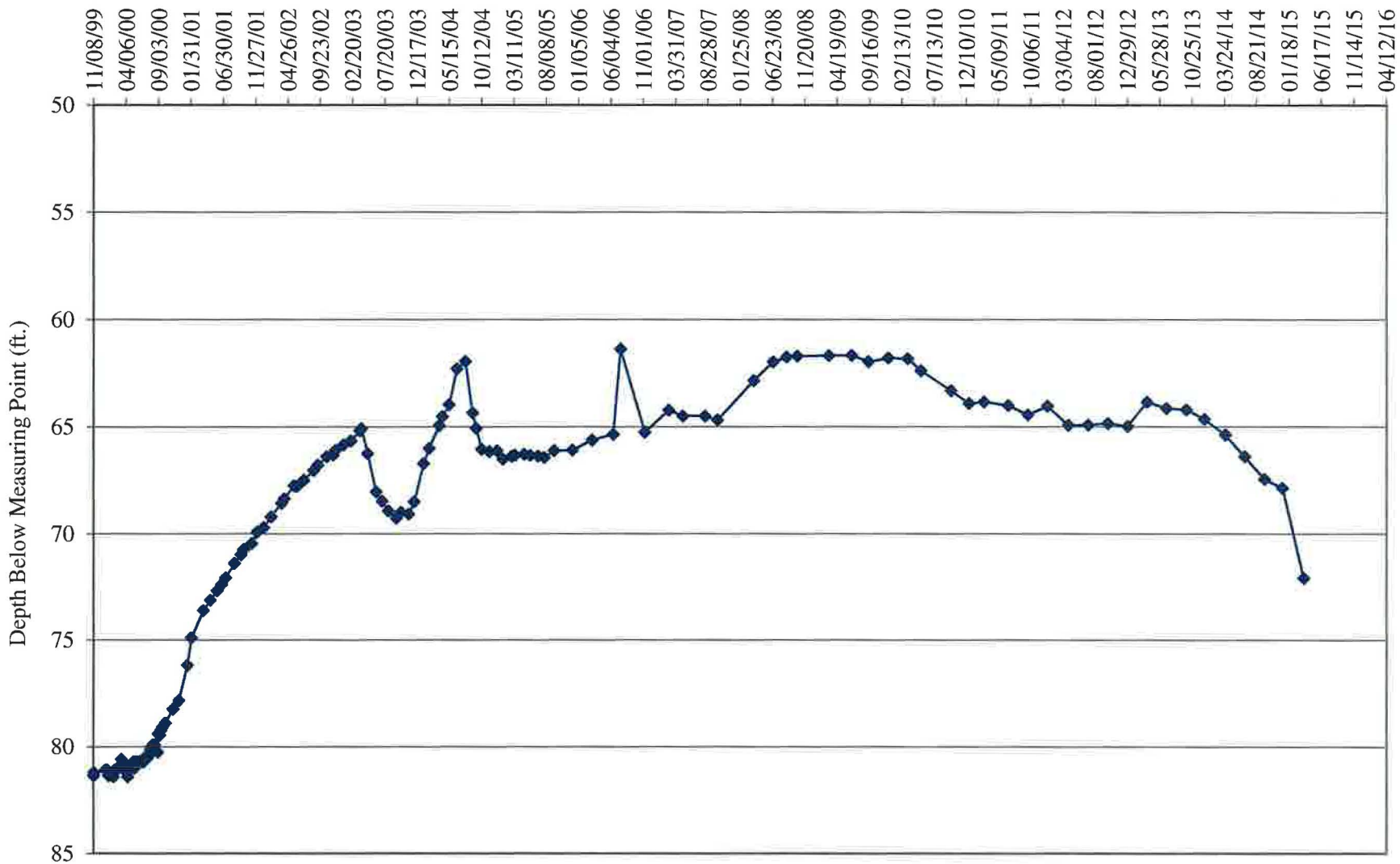
Tab F

Hydrographs of Groundwater Elevations Over Time for Chloroform Monitoring Wells

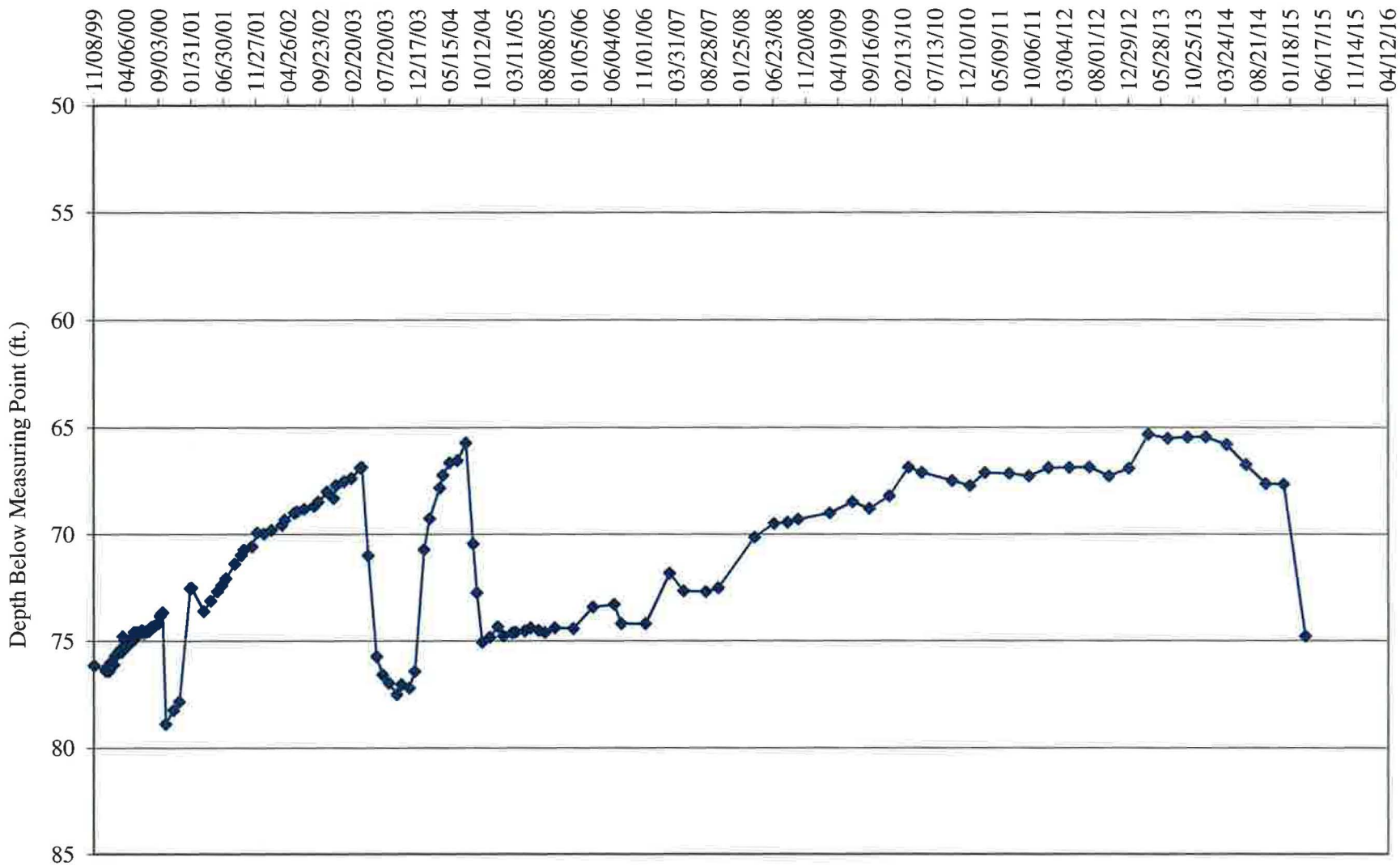
MW 4 Water Depth Over Time (ft. blmp)



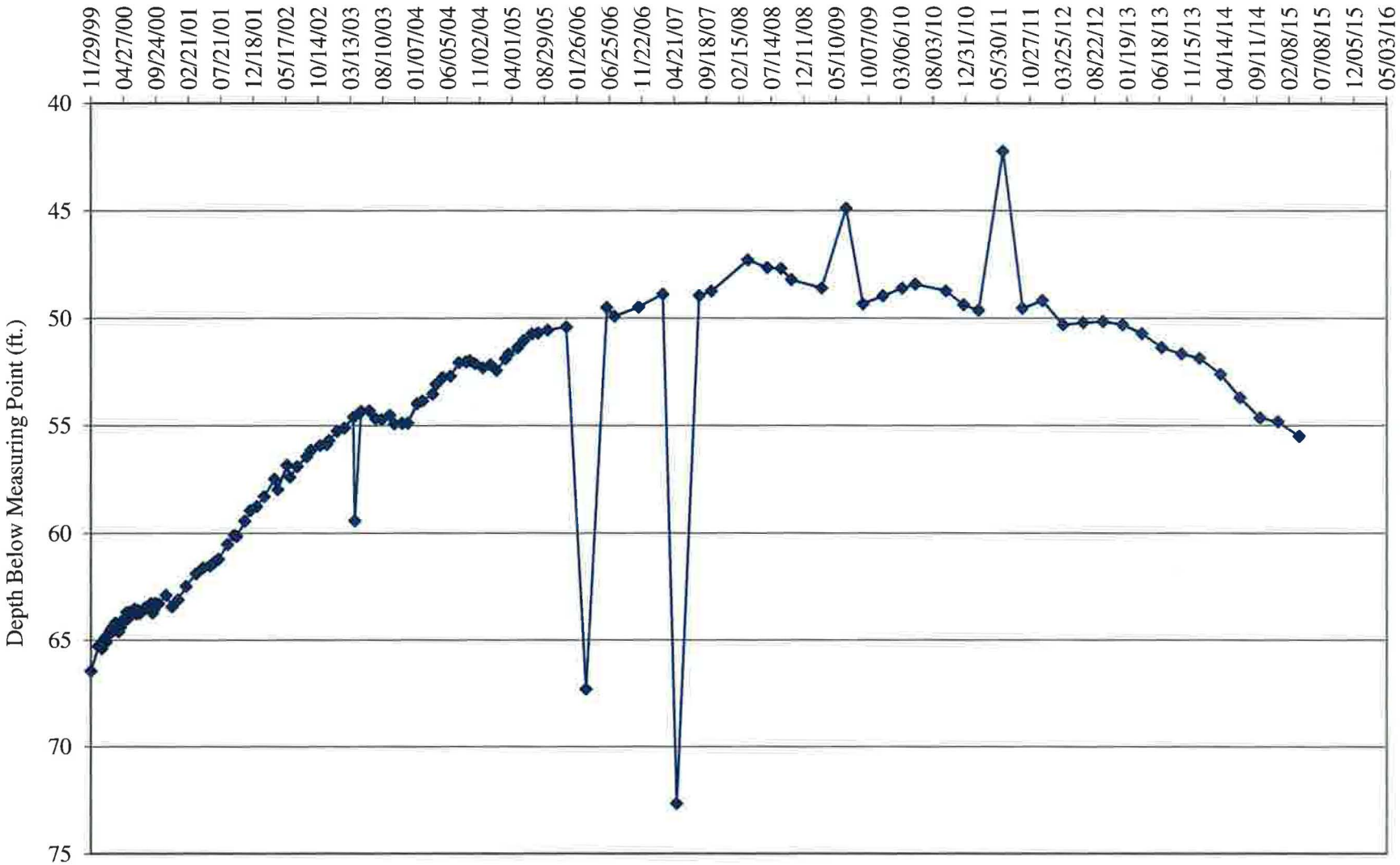
TW4-1 Water Depth Over Time (ft. blmp)



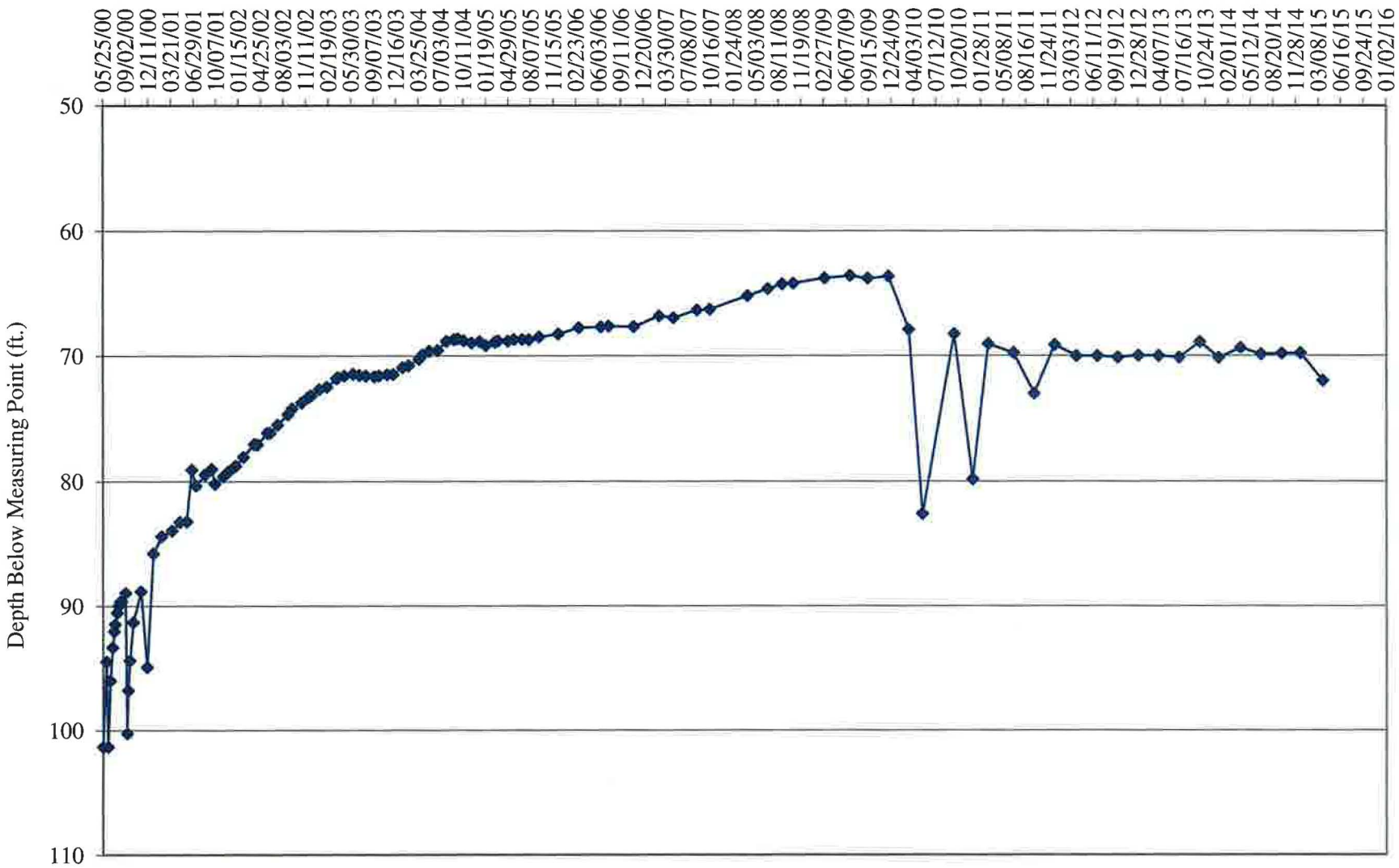
TW4-2 Water Depth Over Time (ft. blmp)



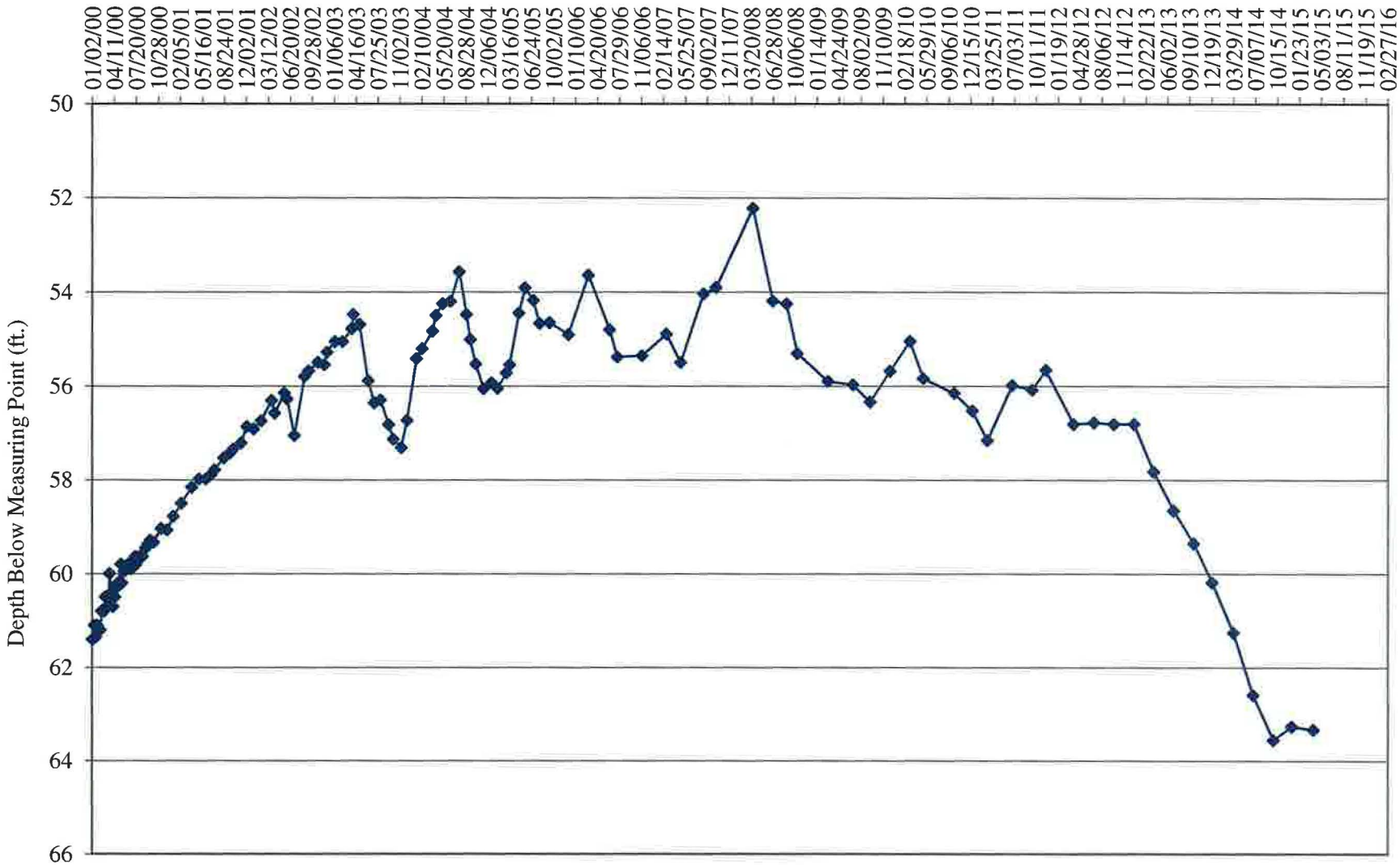
TW4-3 Water Depth Over Time (ft. blmp)



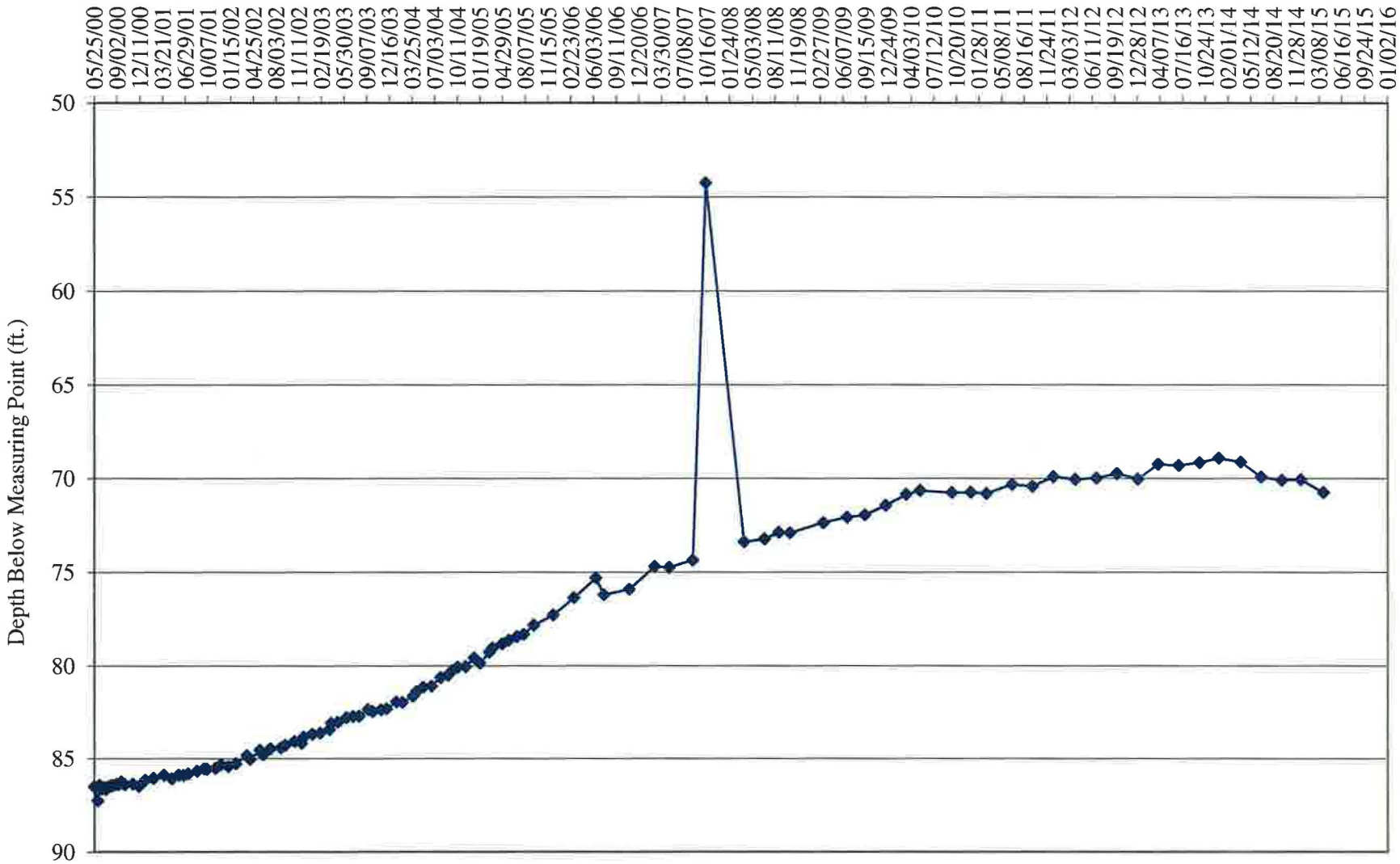
TW4-4 Water Depth Over Time (ft. blmp)



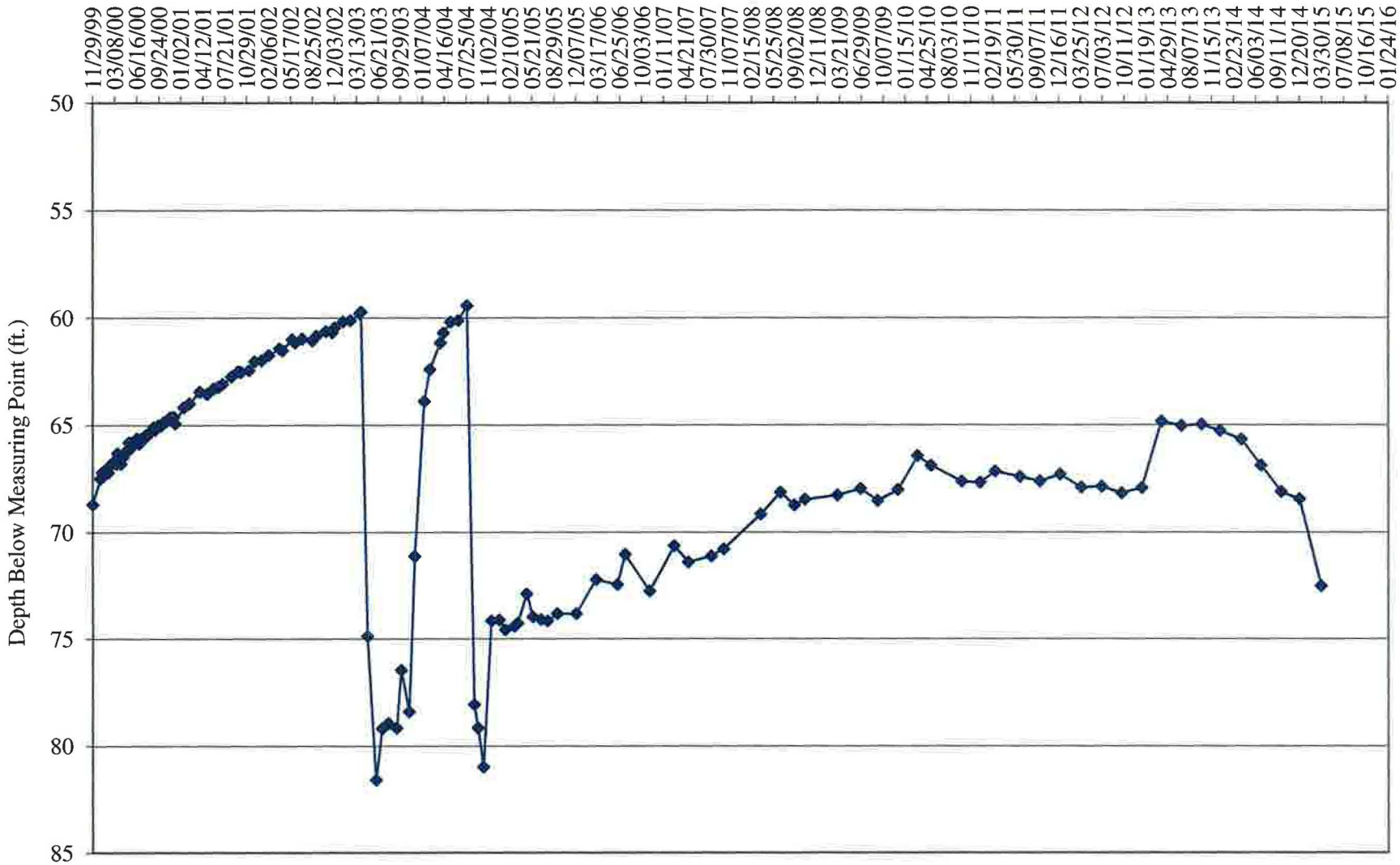
TW4-5 Water Depth Over Time (ft. blmp)



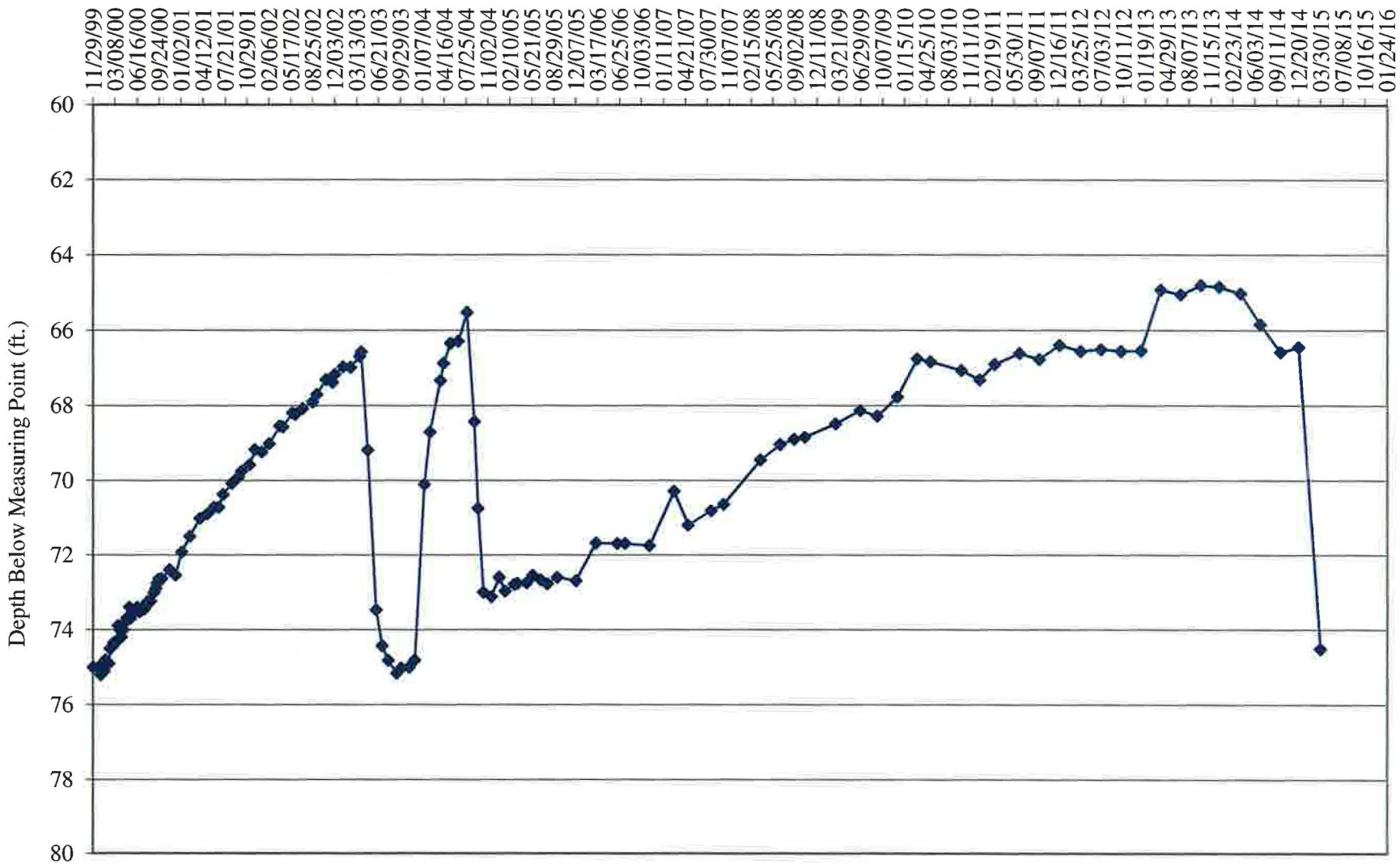
TW4-6 Water Depth Over Time (ft. blmp)



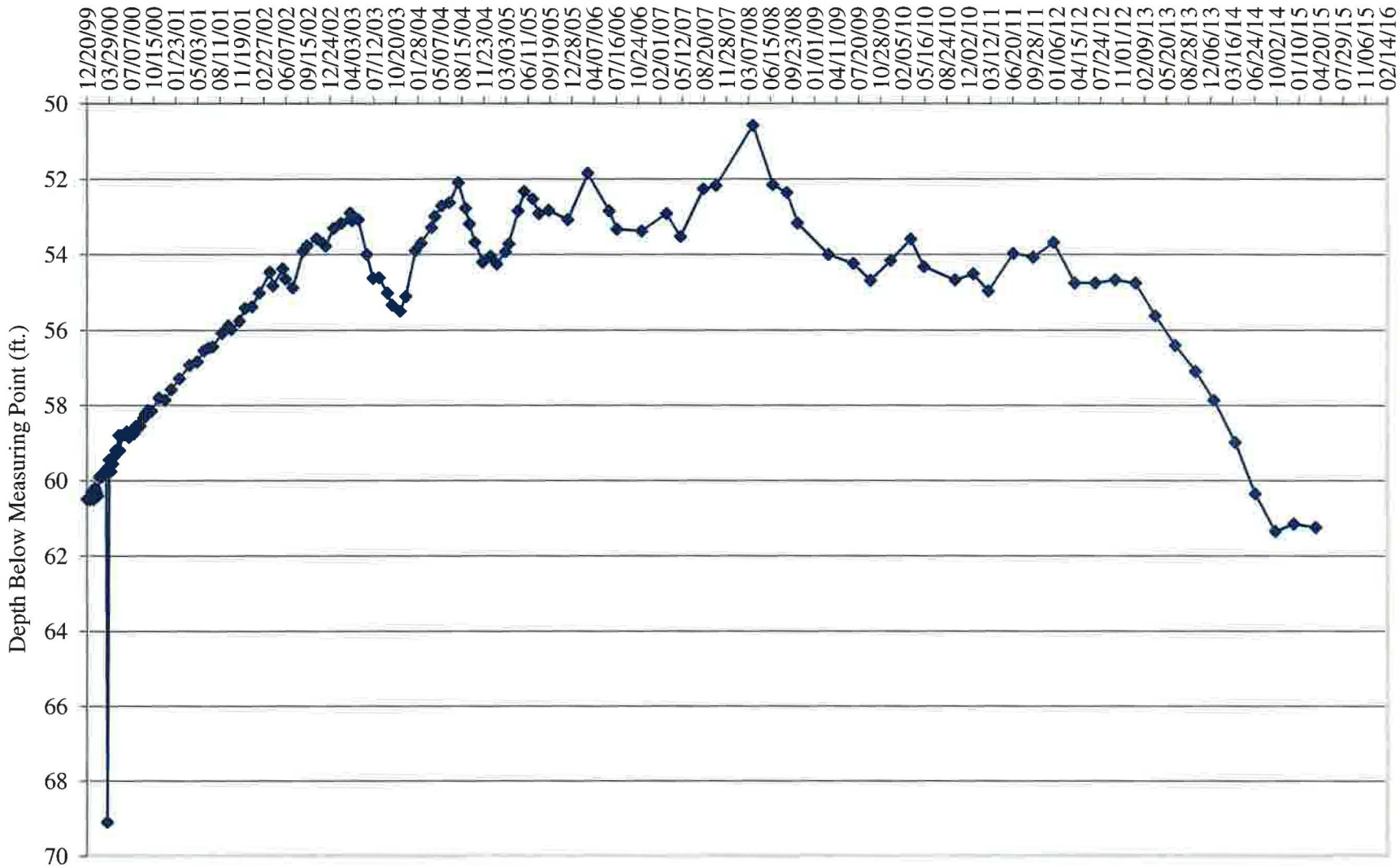
TW4-7 Water Depth Over Time (ft. blmp)



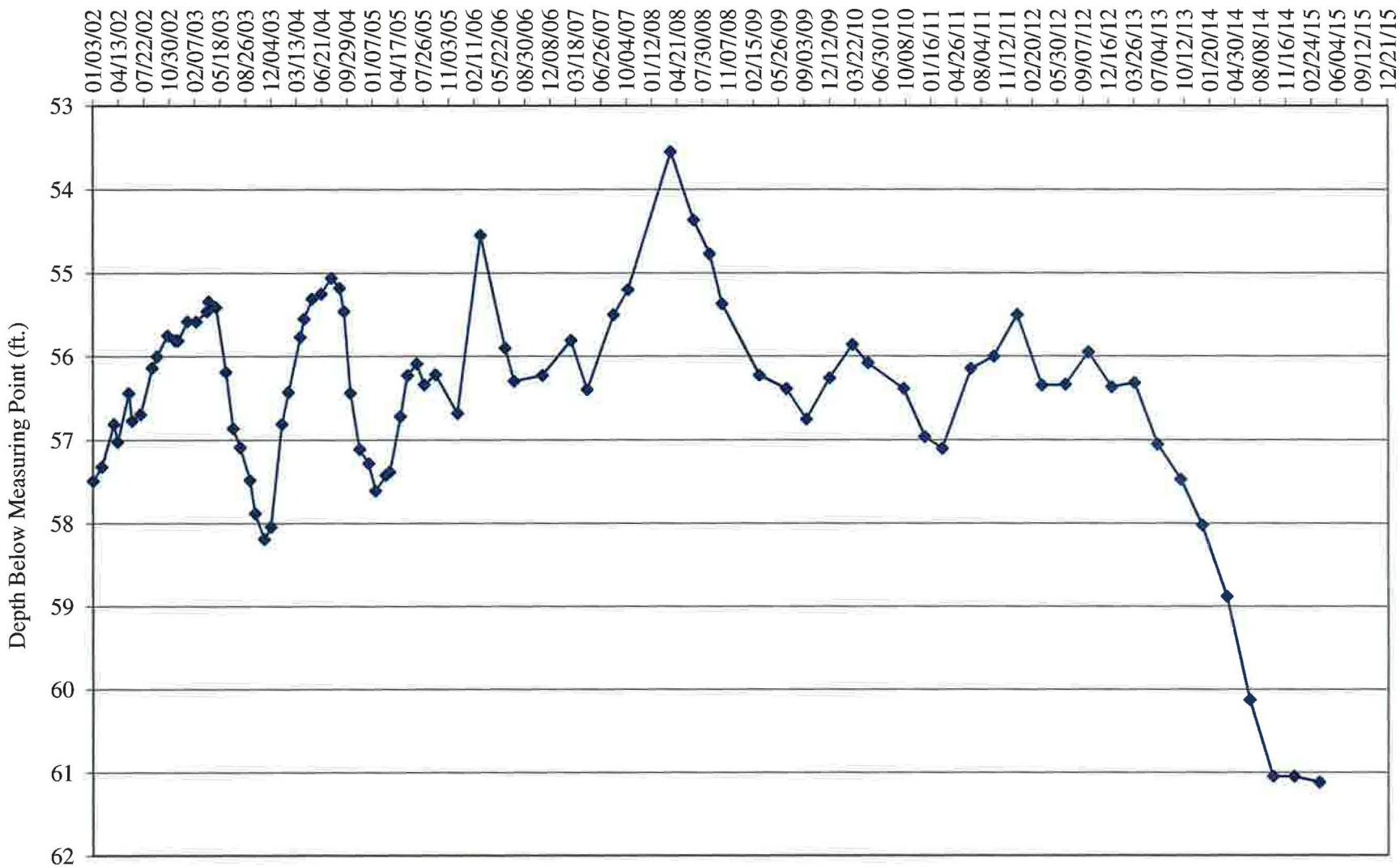
TW4-8 Water Depth Over Time (ft. blmp)



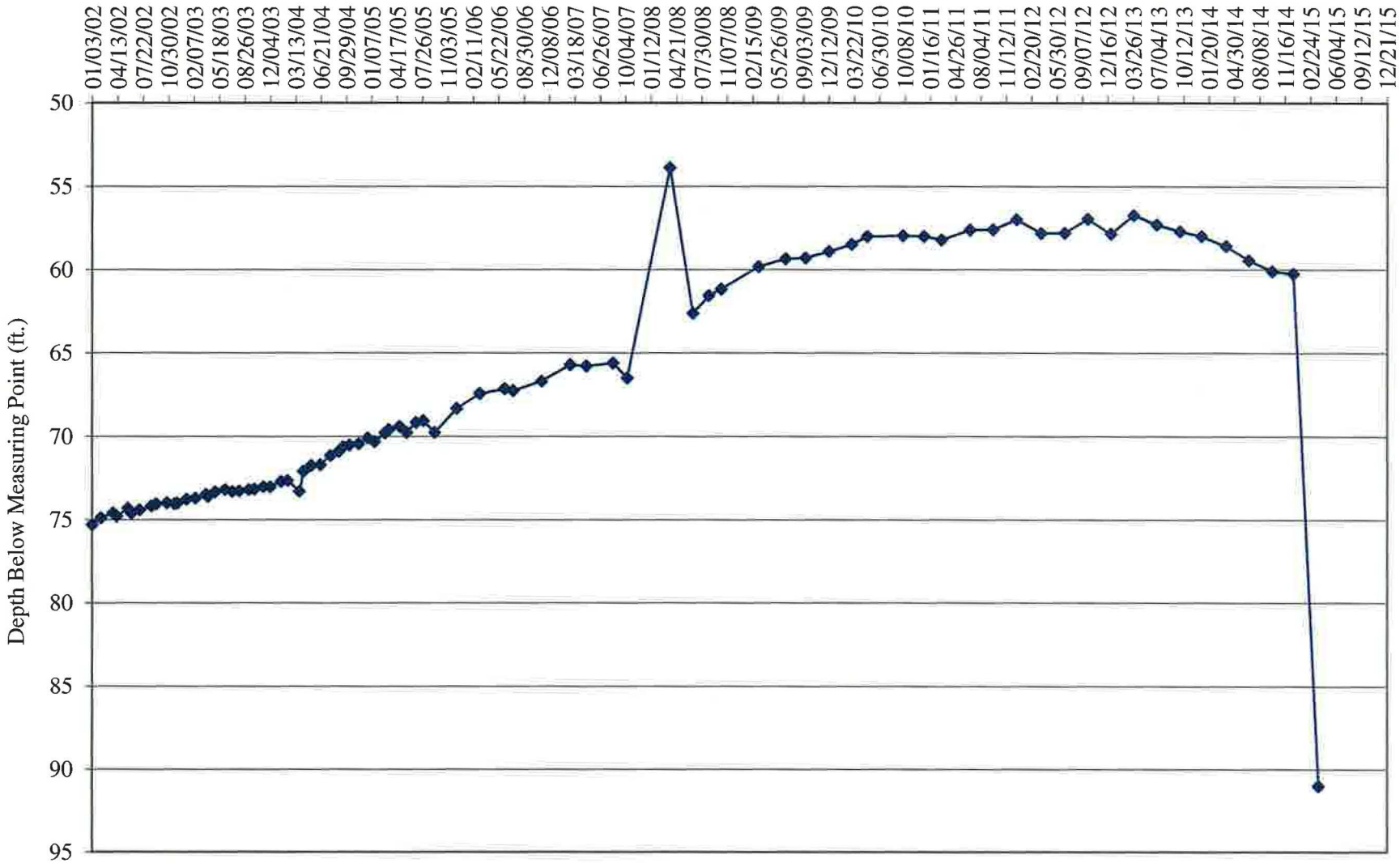
TW4-9 Water Depth Over Time (ft. blmp)



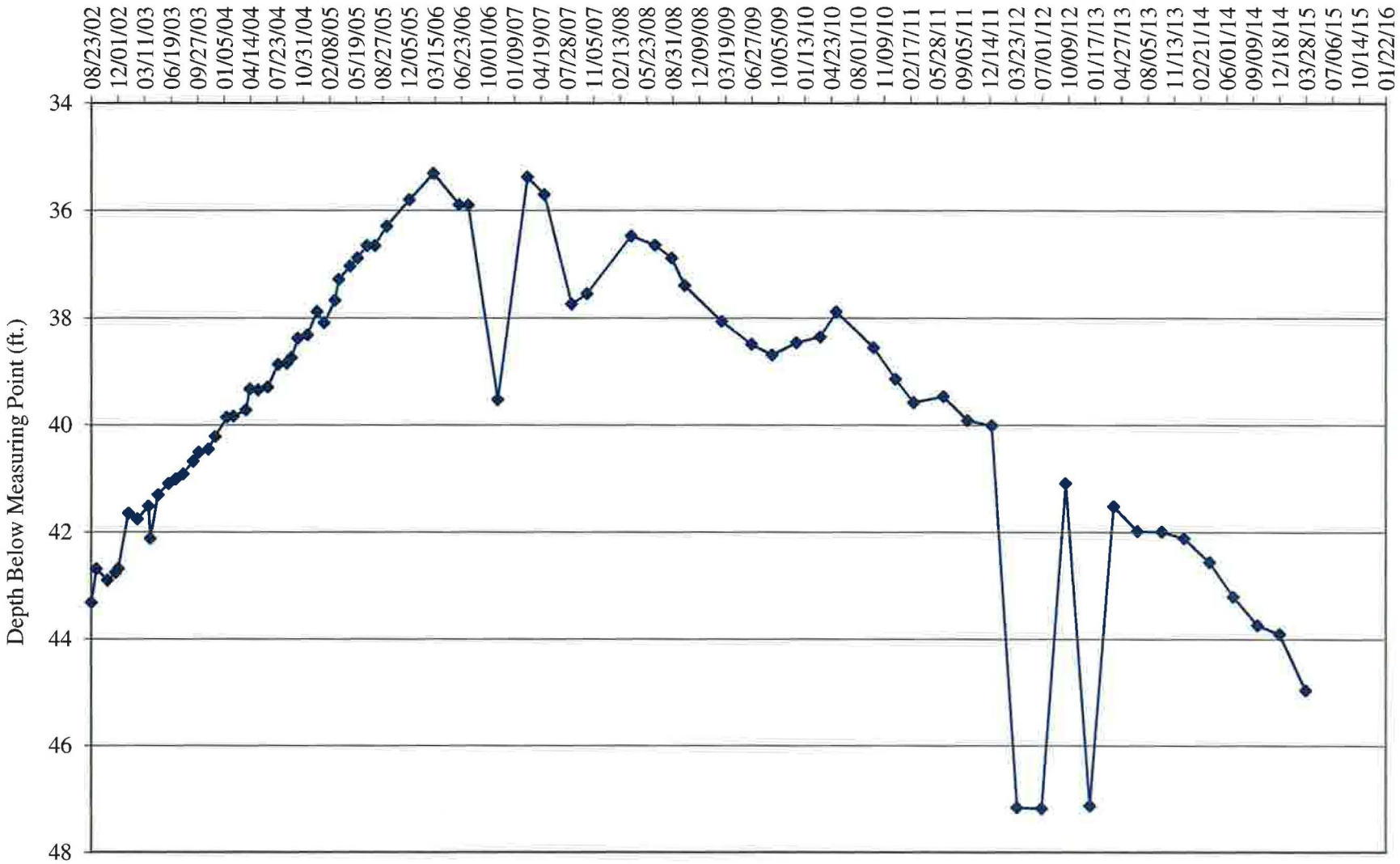
TW4-10 Water Depth Over Time (ft. blmp)



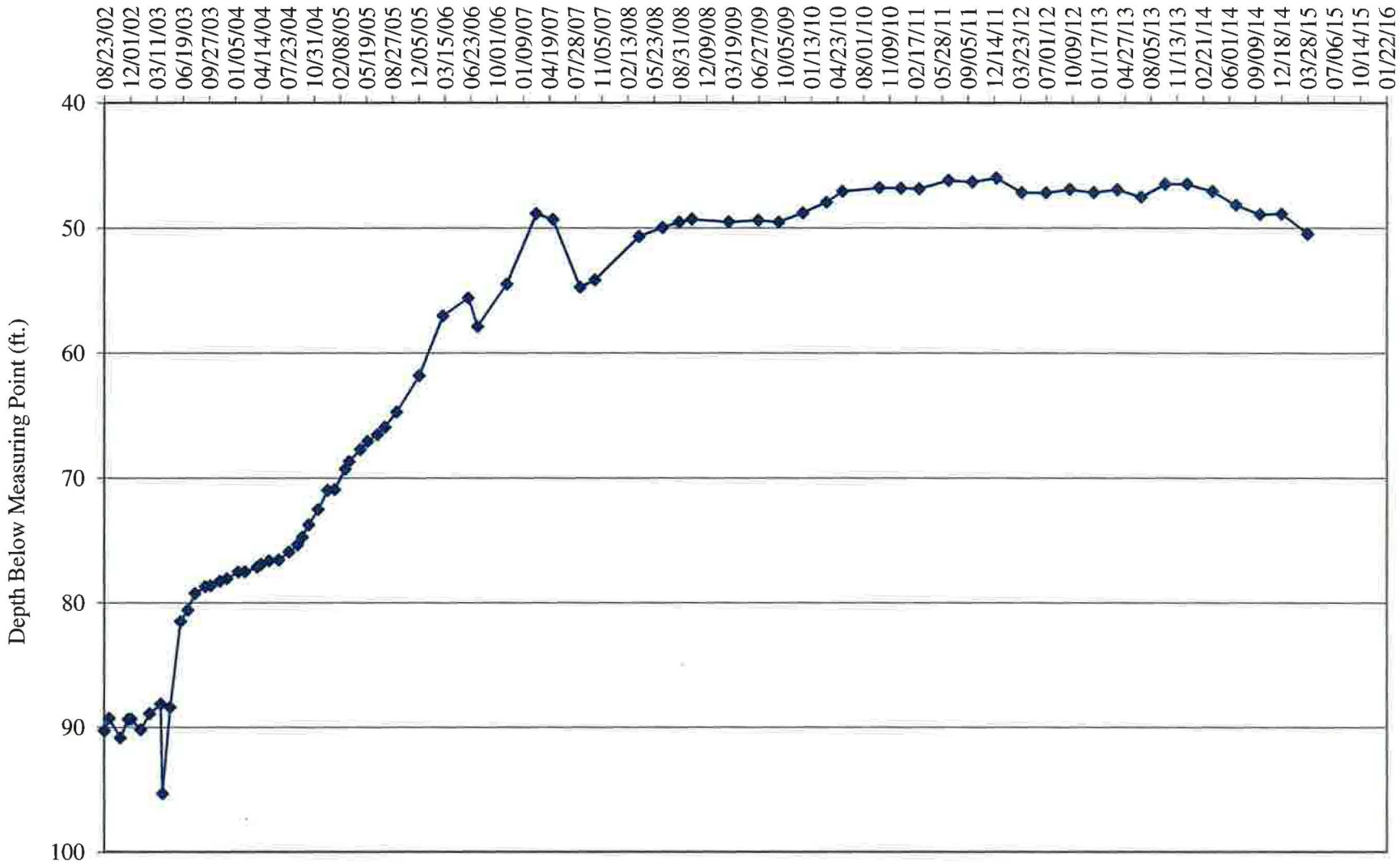
TW4-11 Water Depth Over Time (ft. blmp)



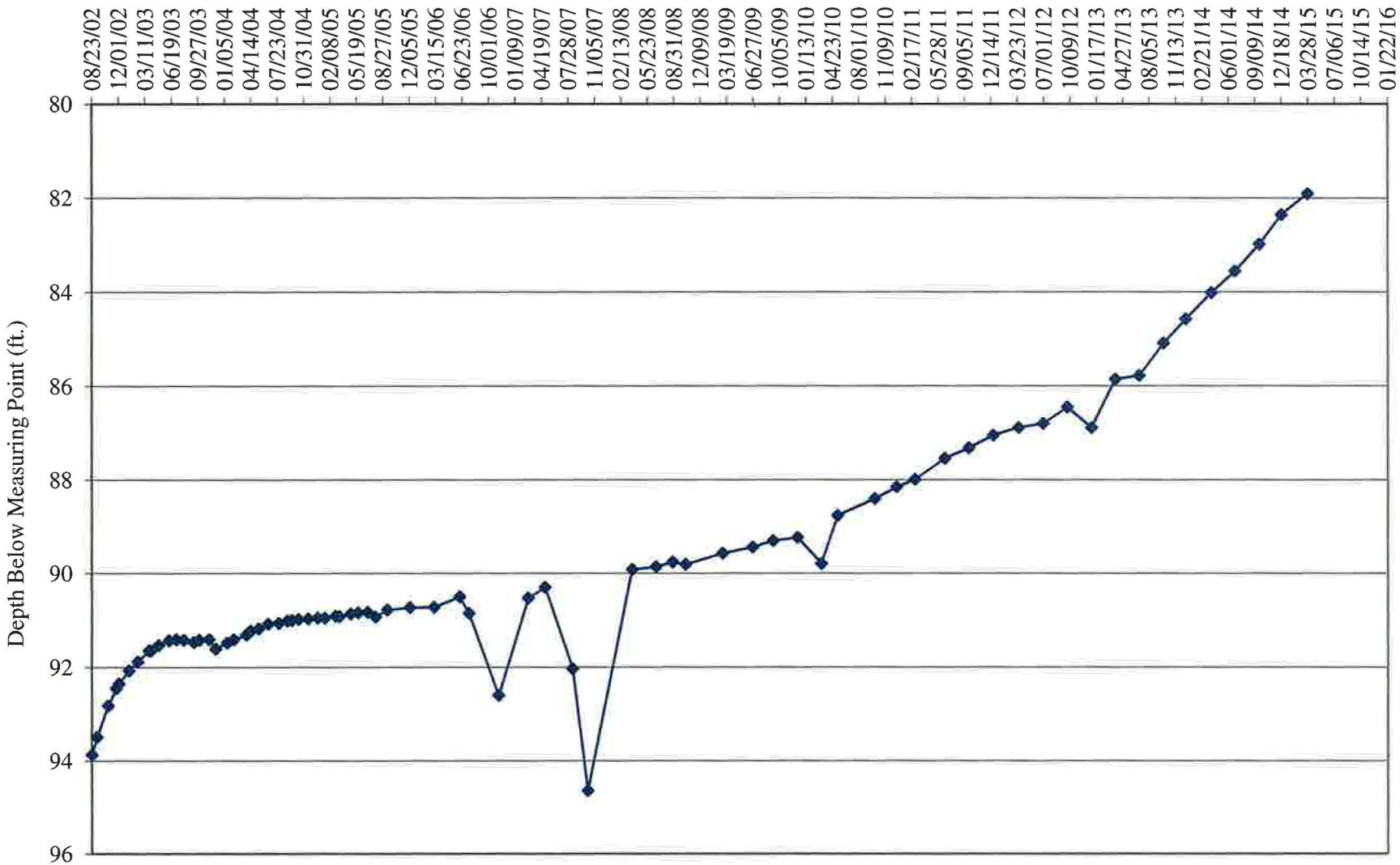
TW4-12 Water Depth Over Time (ft. blmp)



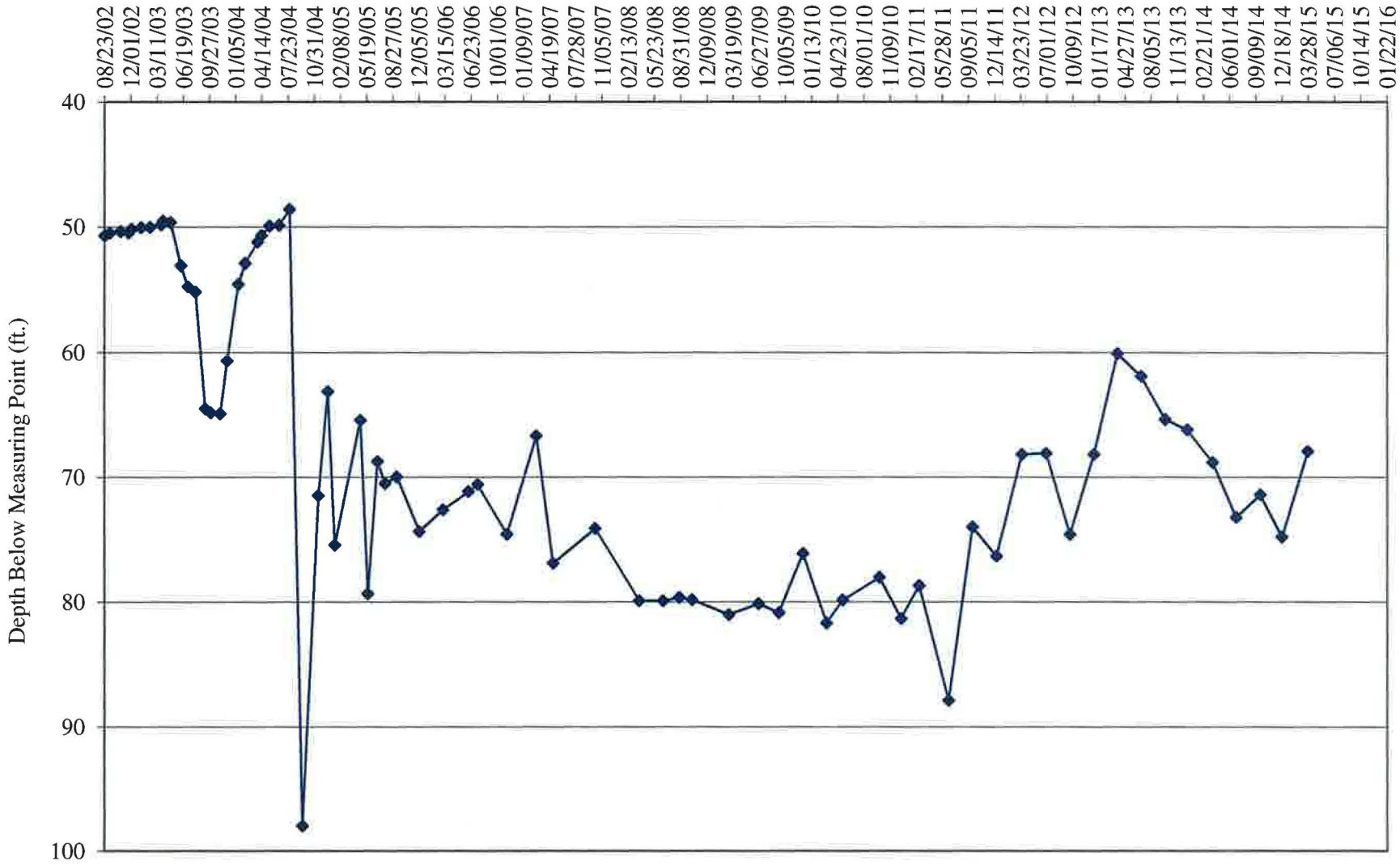
TW4-13 Water Depth Over Time (ft. blmp)



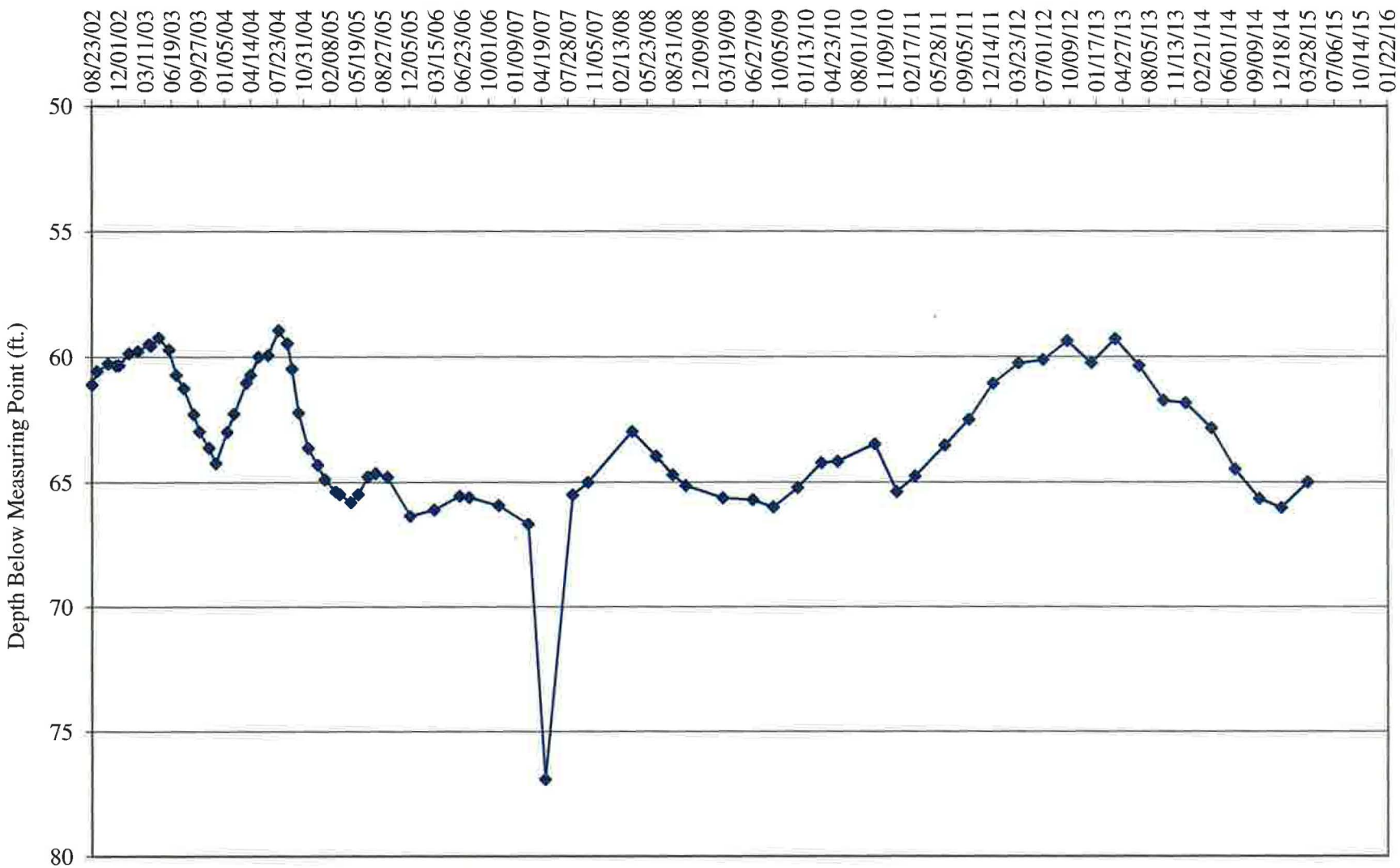
TW4-14 Water Depth Over Time (ft. blmp)



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

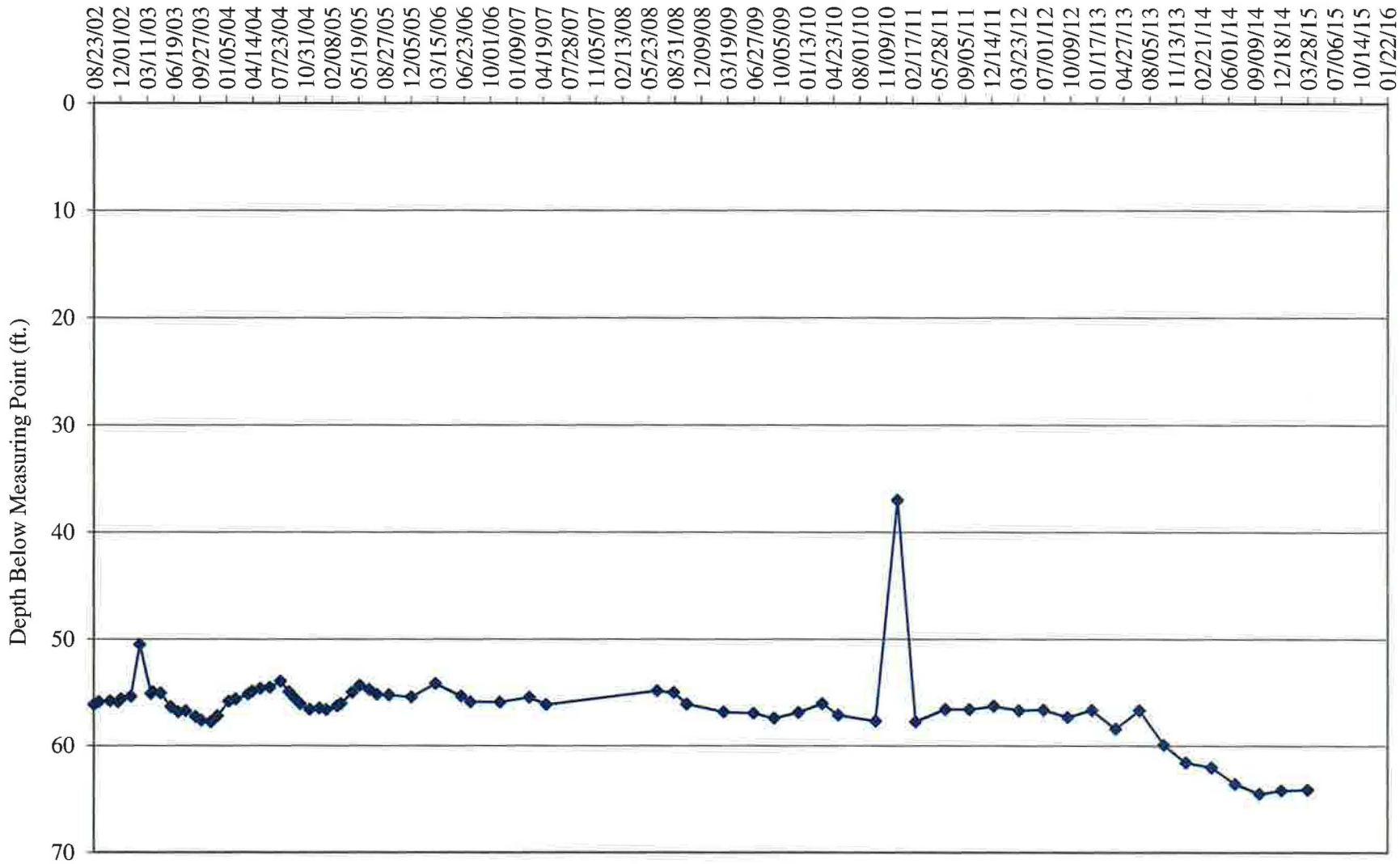


TW4-16 Water Depth Over Time (ft. blmp)

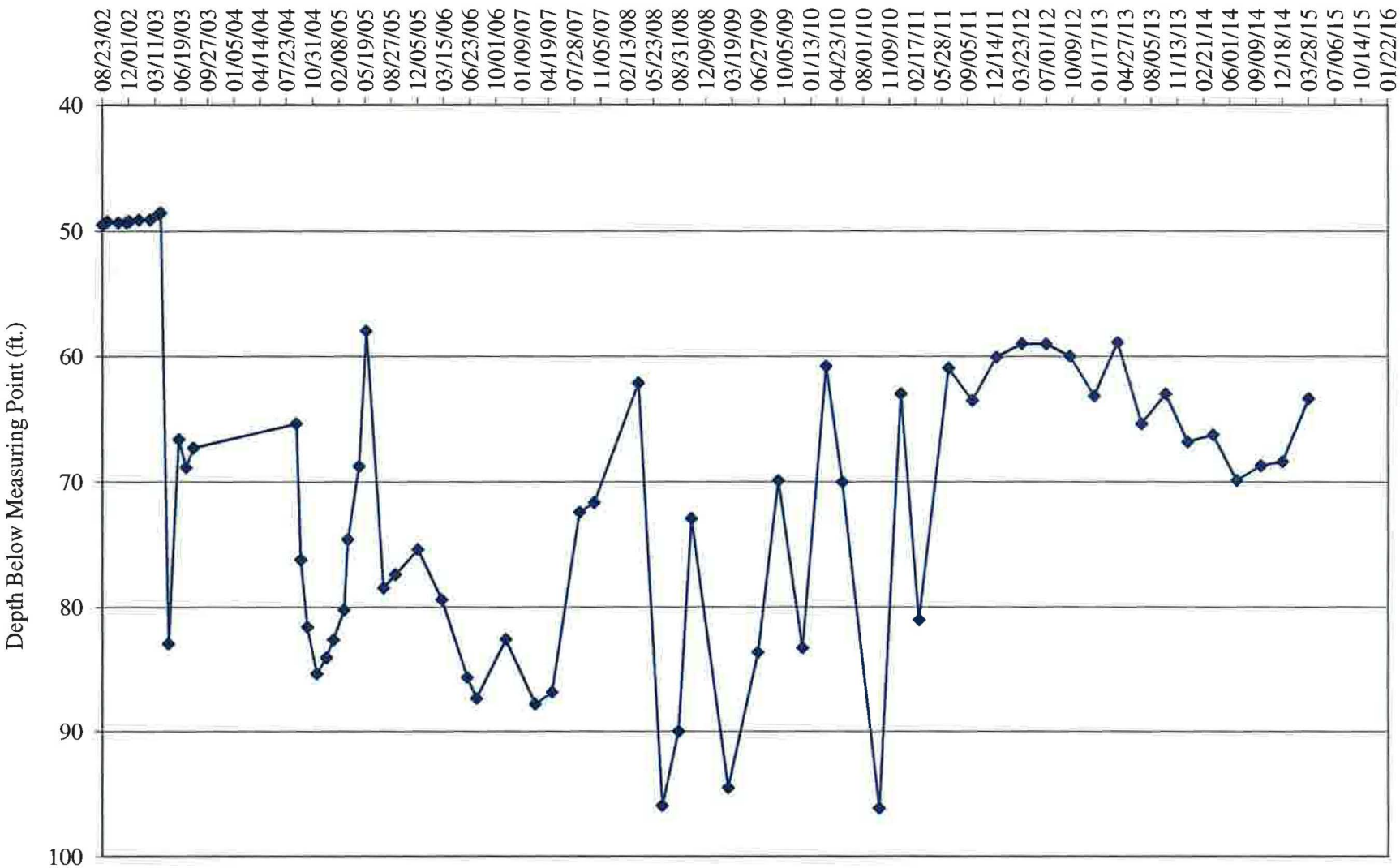


MW-32 Water Depth Over Time (ft. blmp)

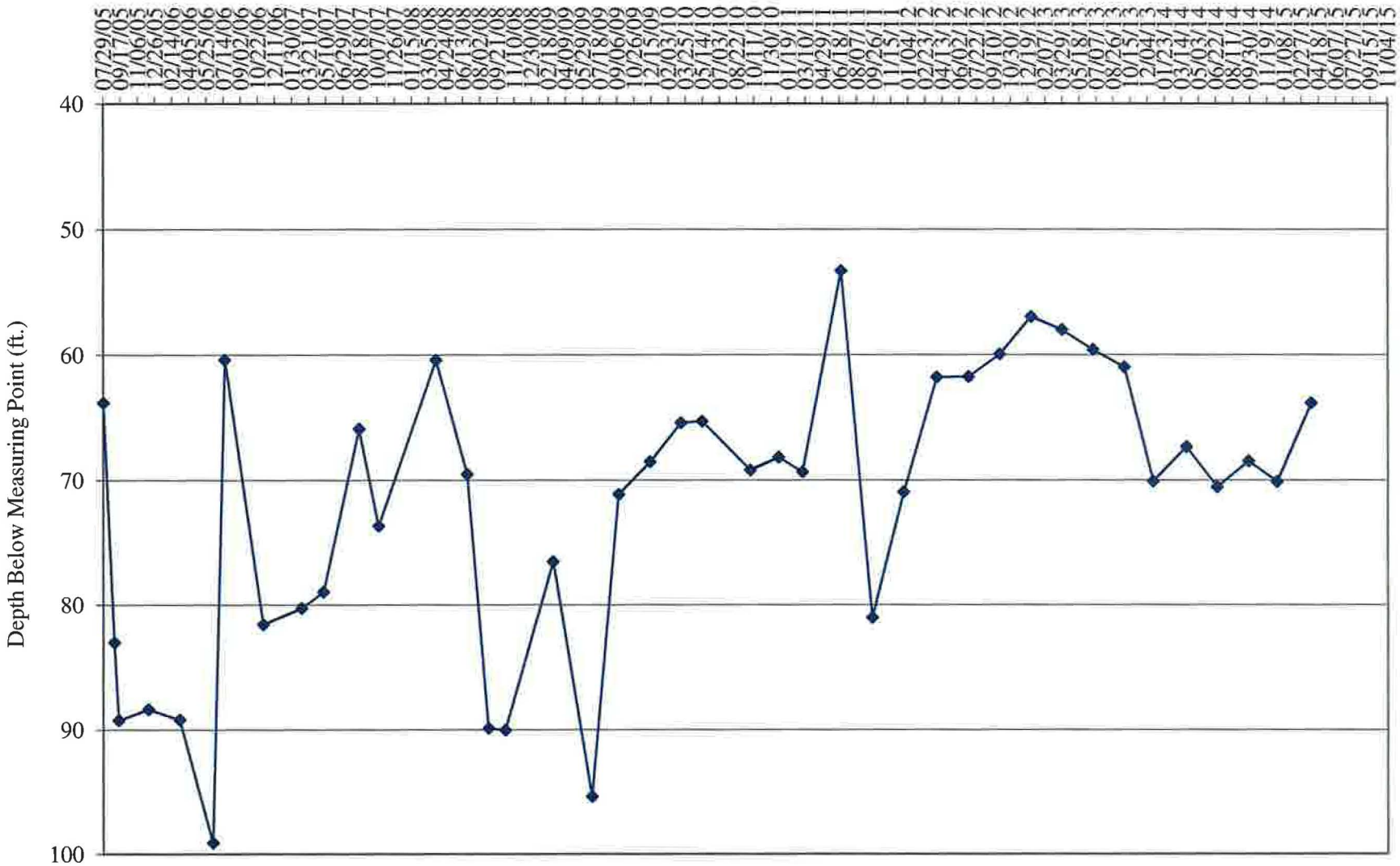
TW4-18 Water Depth Over Time (ft. blmp)



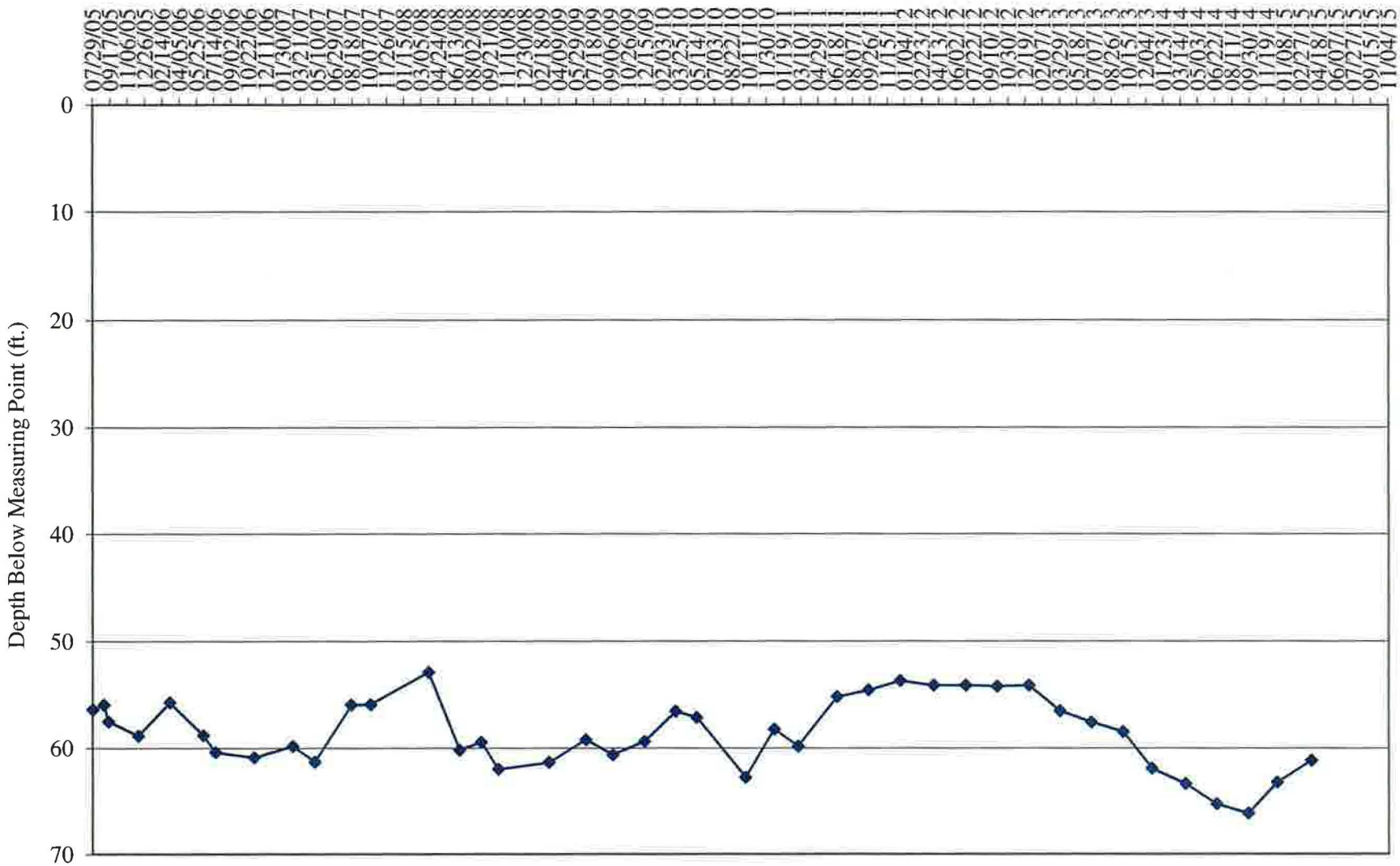
TW4-19 Water Depth Over Time (ft. blmp)



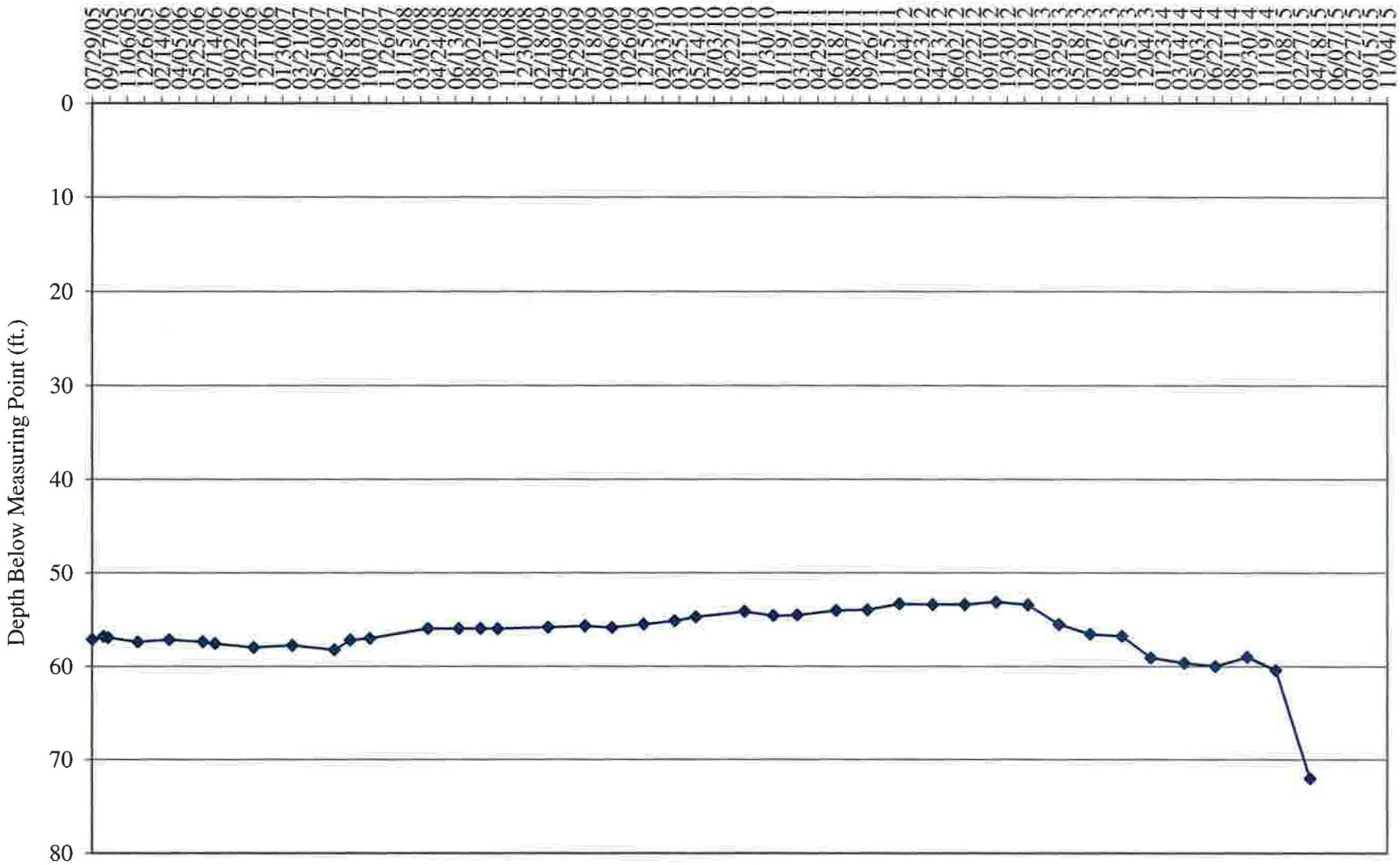
TW4-20 Water Depth Over Time (ft. blmp)



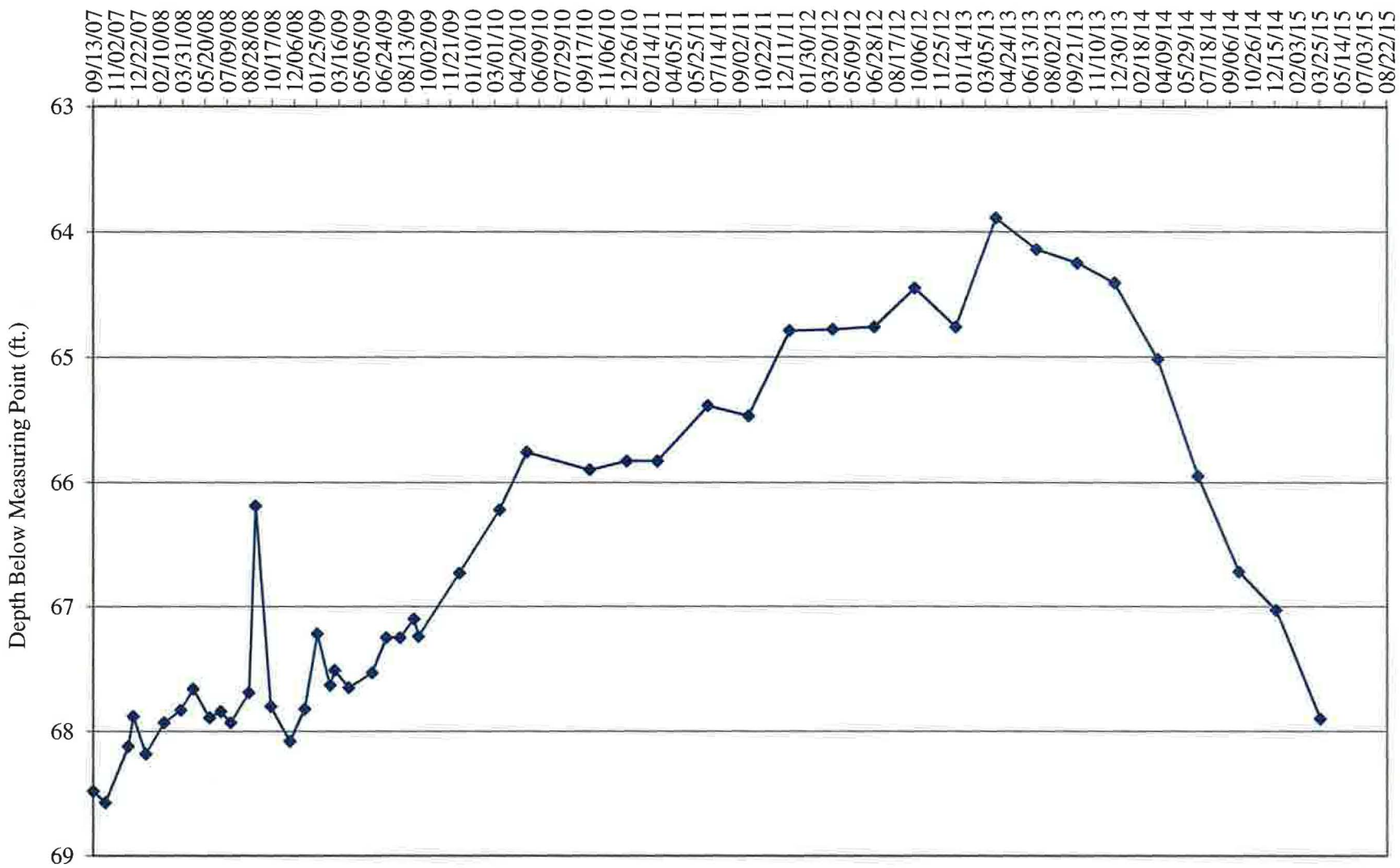
TW4-21 Water Depth Over Time (ft. blmp)



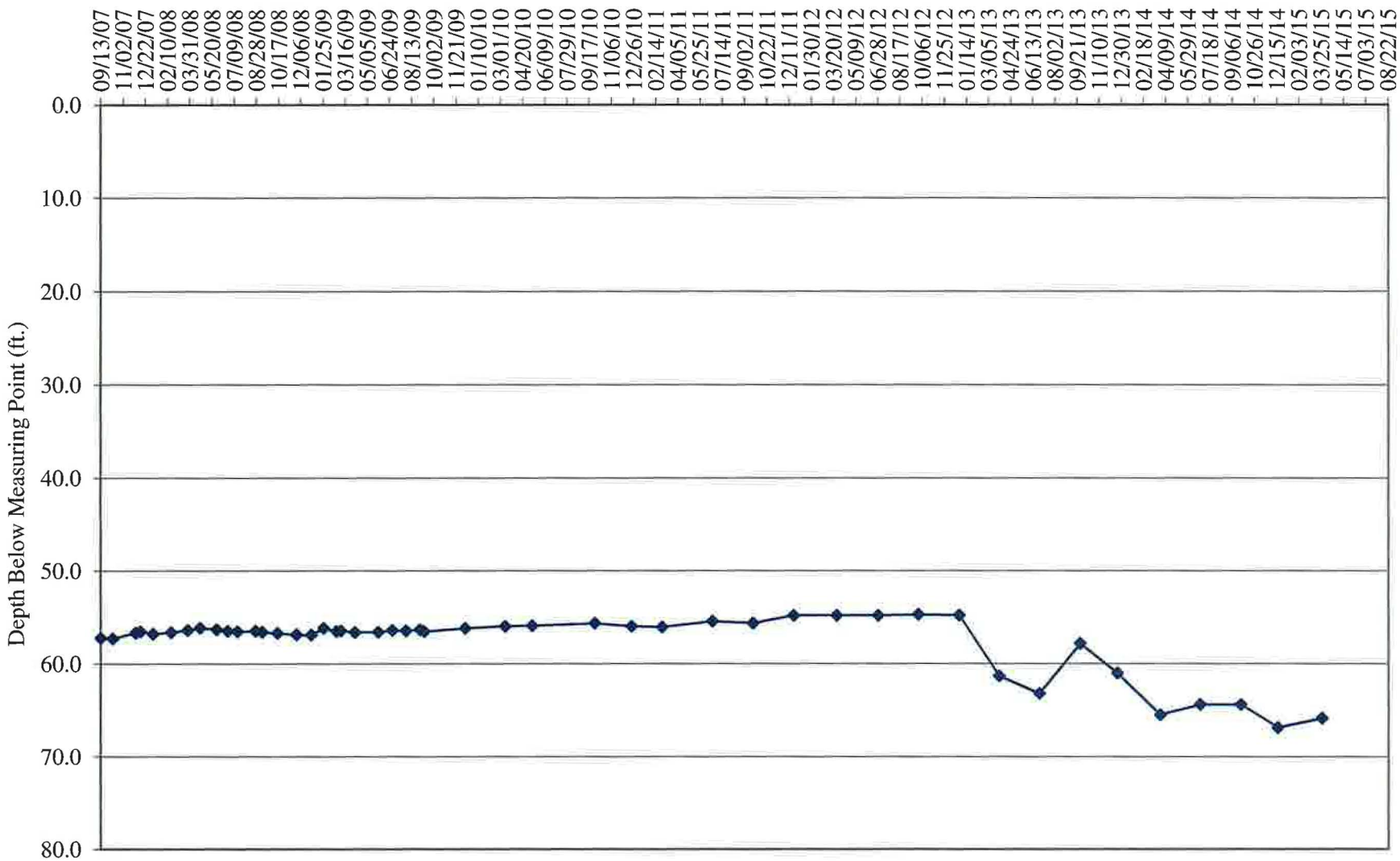
TW4-22 Water Depth Over Time (ft. blmp)



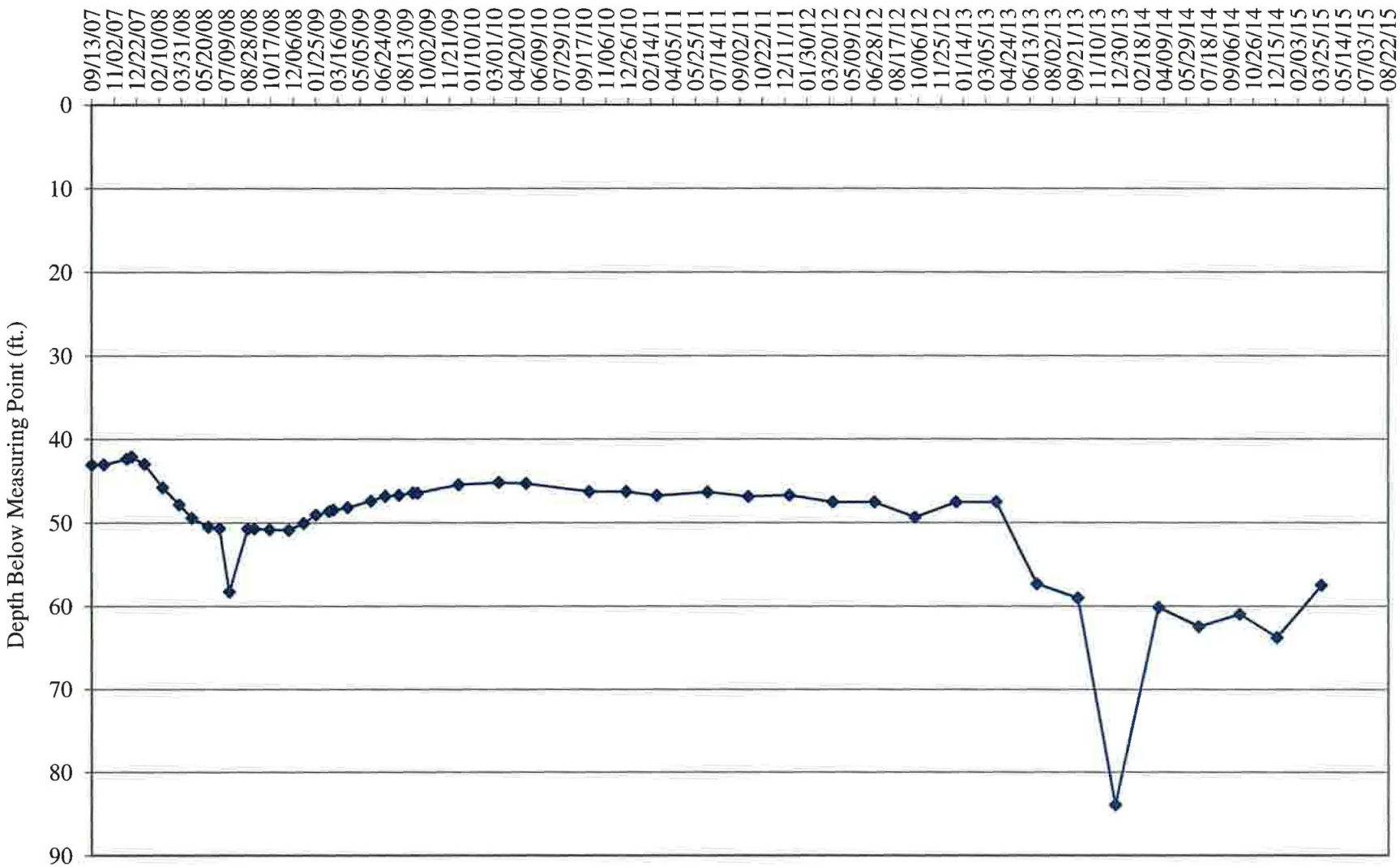
TW4-23 Water Depth Over Time (ft. blmp)

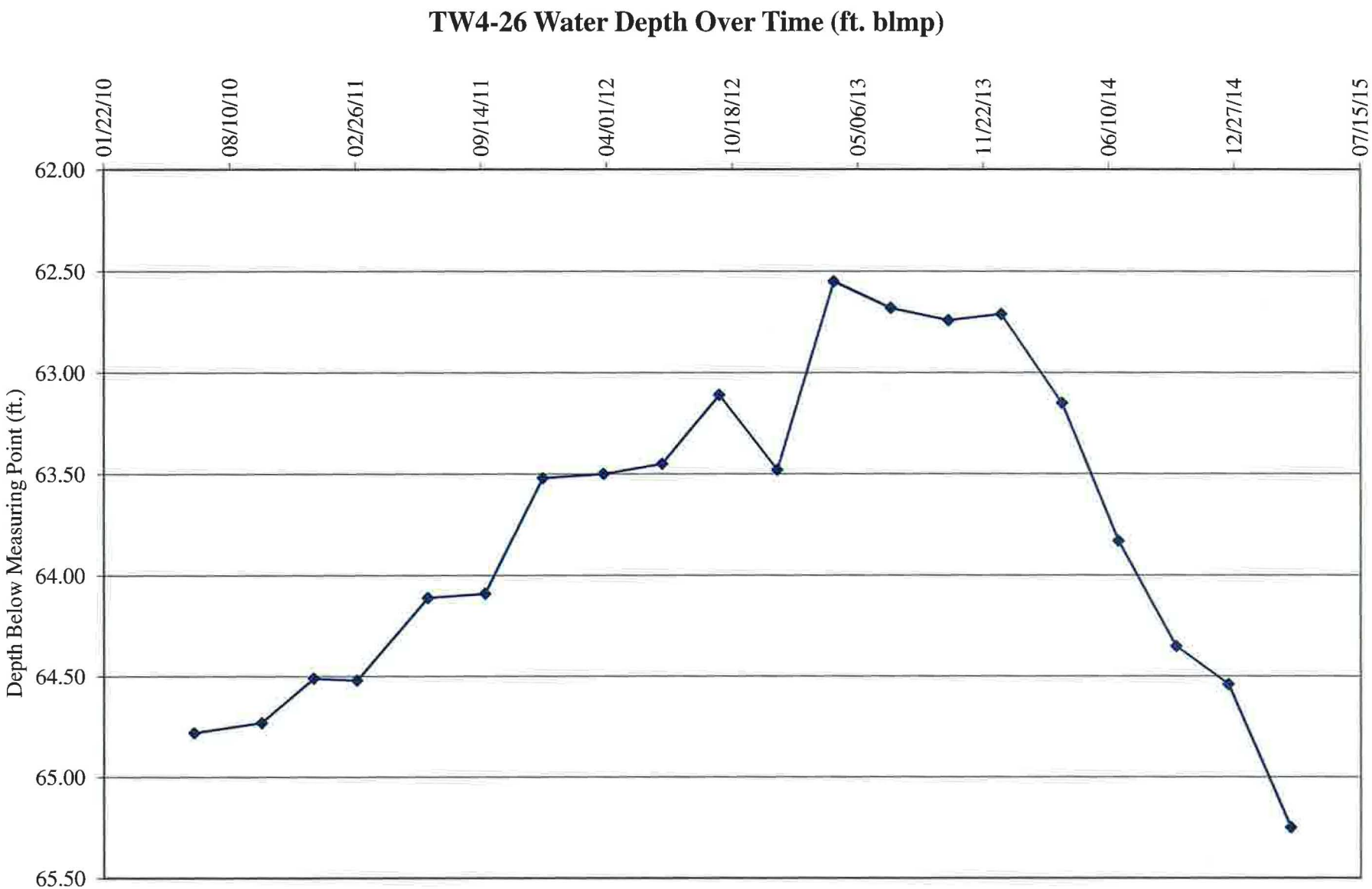


TW4-24 Water Depth Over Time (ft. blmp)

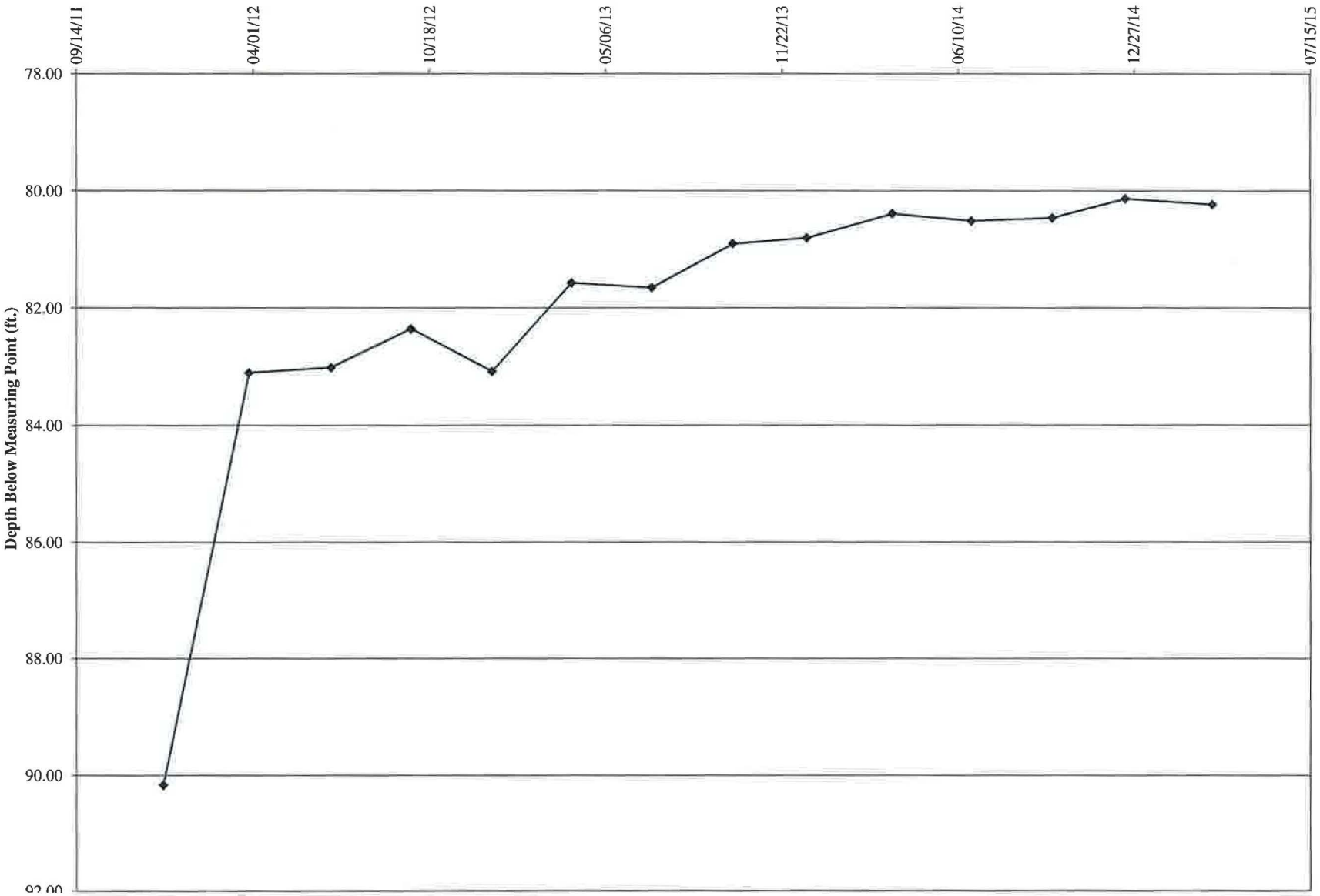


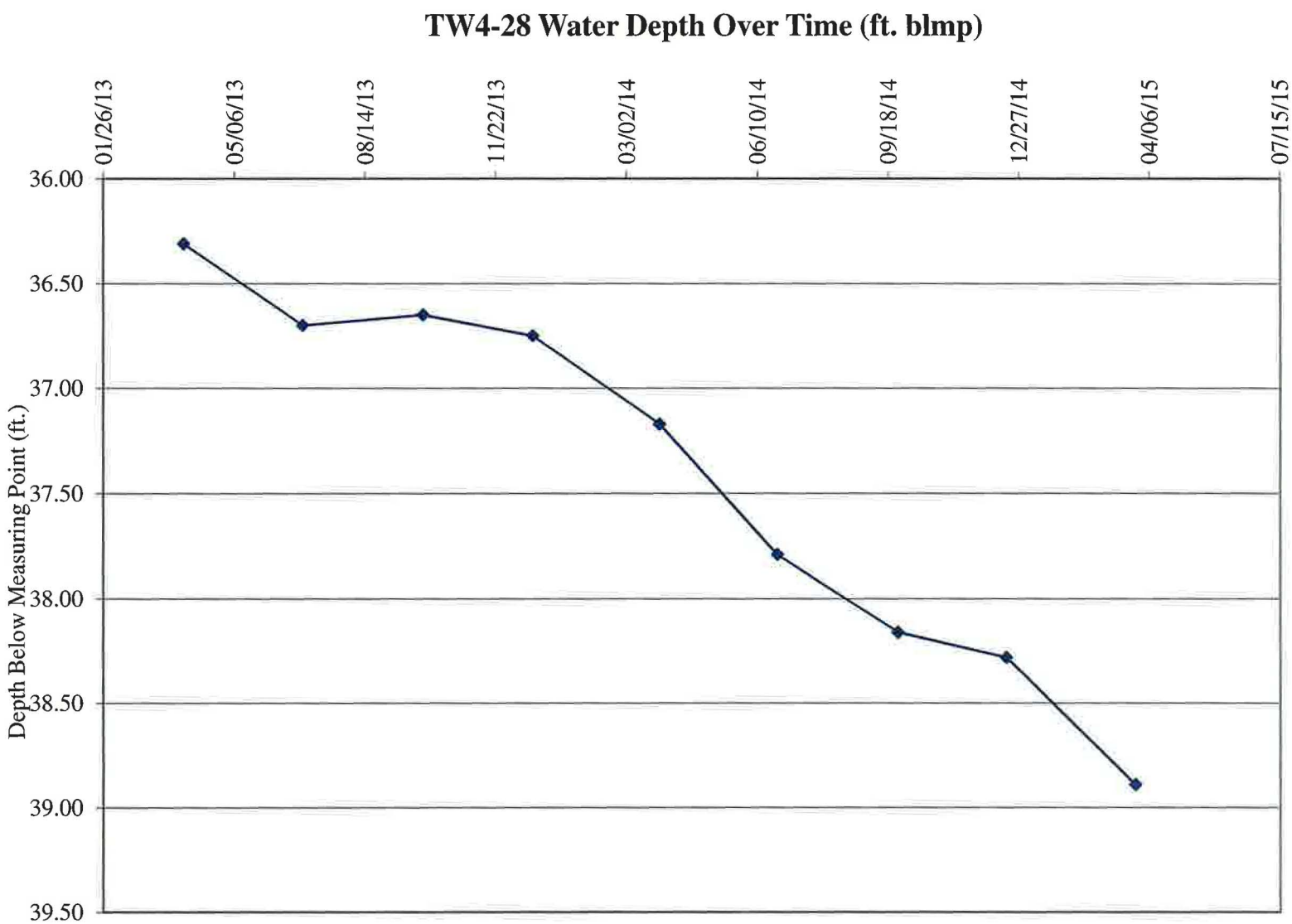
TW4-25 Water Depth Over Time (ft. blmp)

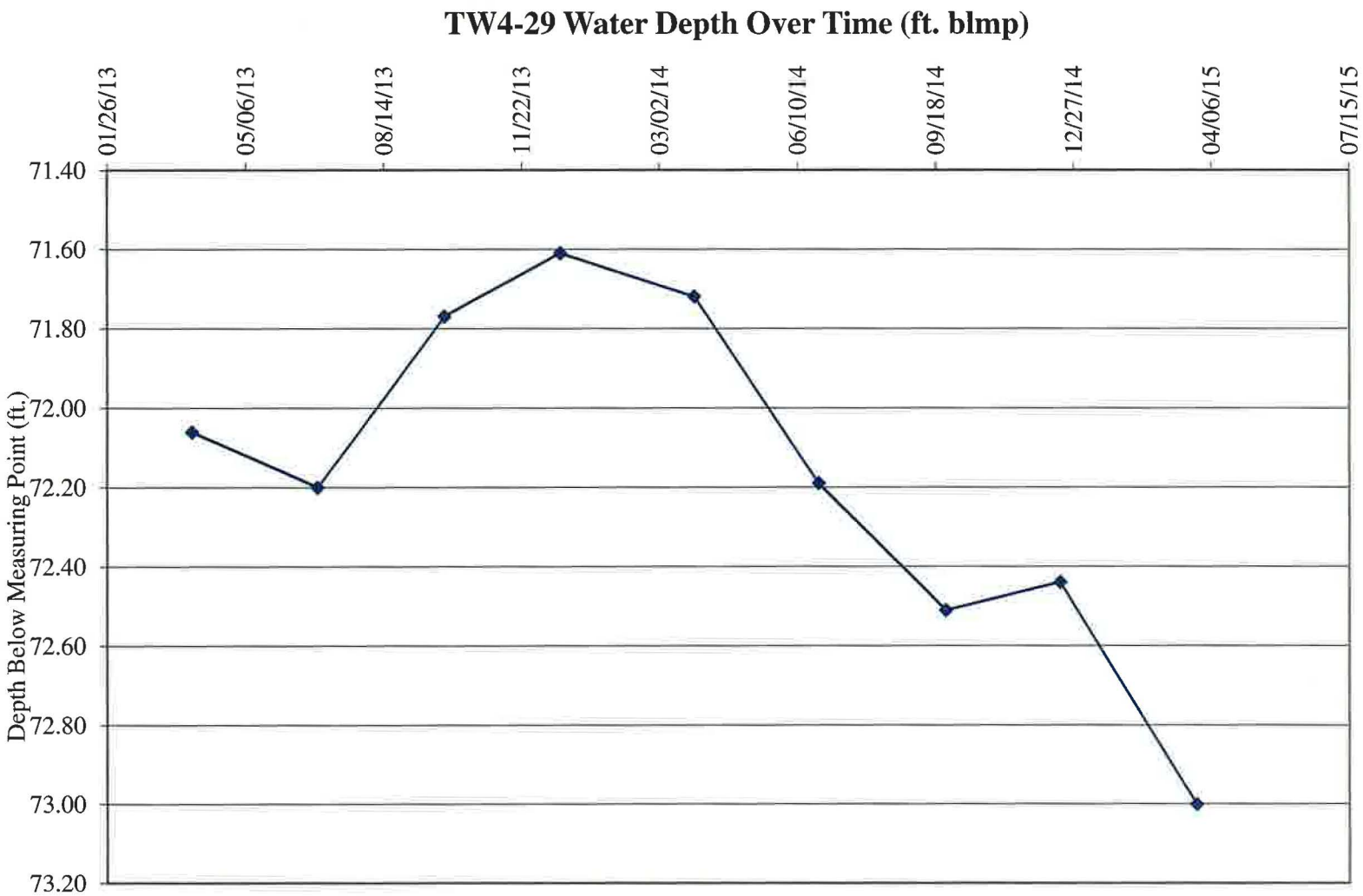



TW4-26 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
62.00
62.50
63.00
63.50
64.00
64.50
65.00
65.50
01/22/10
08/10/10
02/26/11
09/14/11
04/01/12
10/18/12
05/06/13
11/22/13
06/10/14
12/27/14
07/15/15

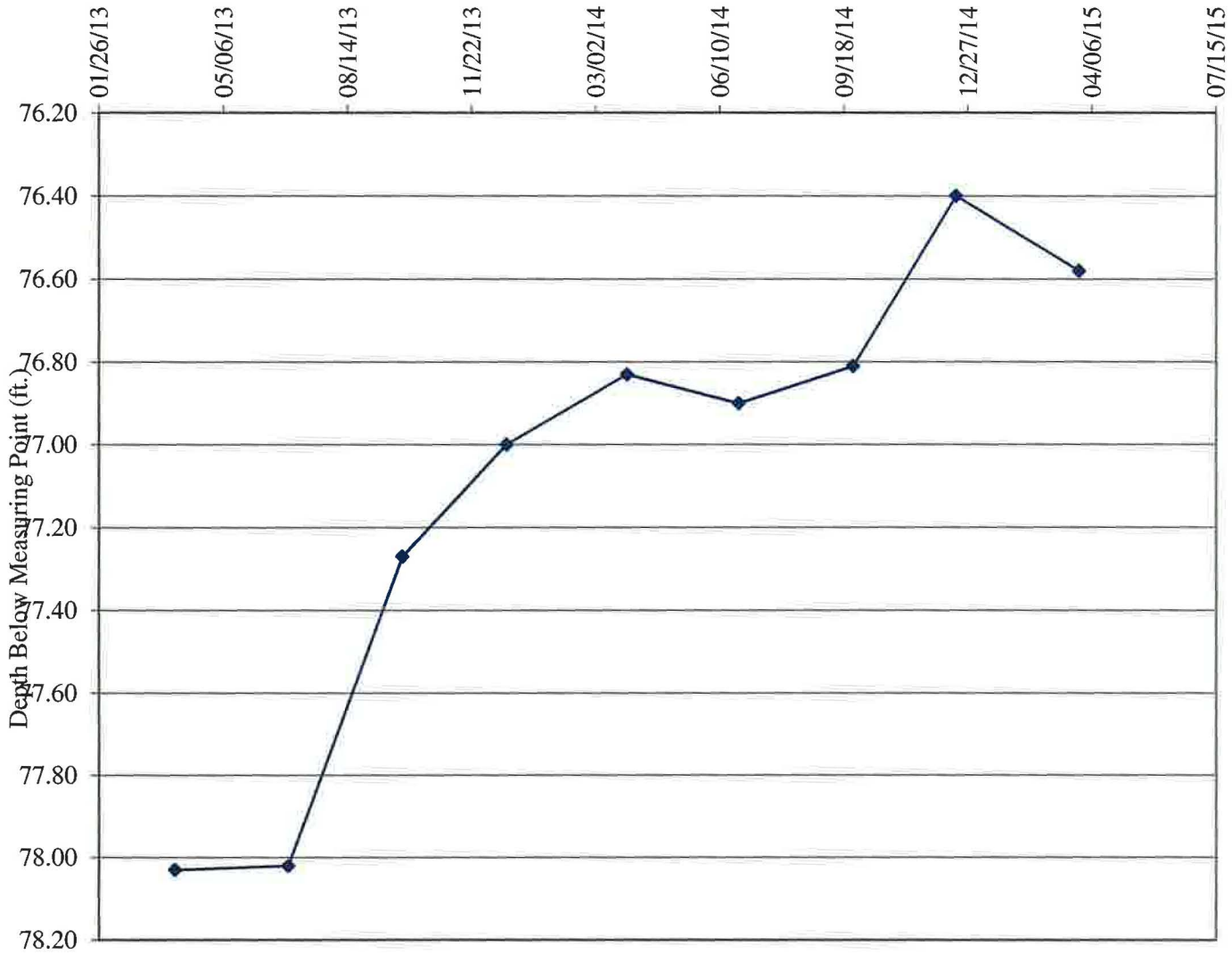
TW4-27 Water Depth Over Time (ft. blmp)

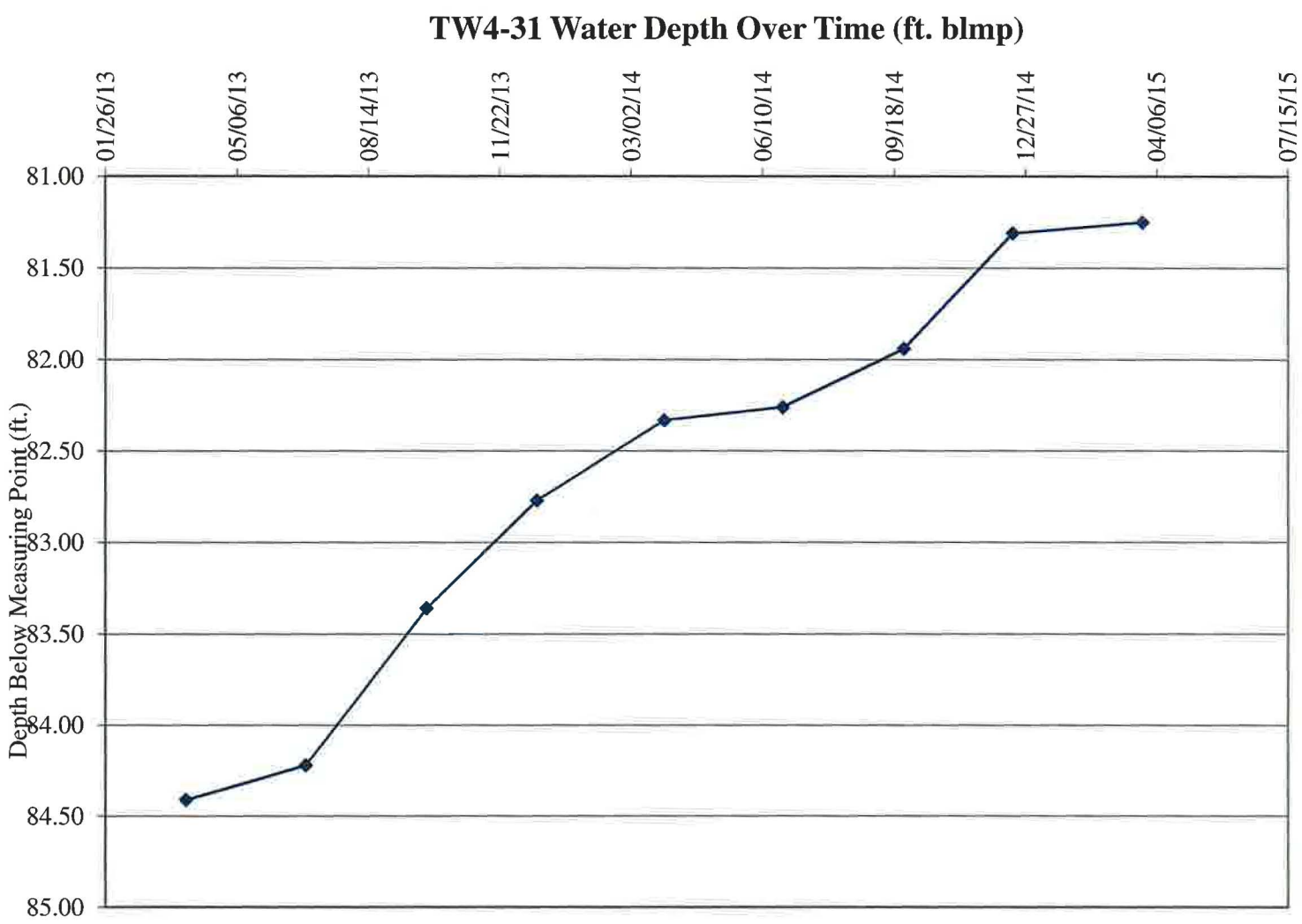



TW4-28 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
36.00
36.50
37.00
37.50
38.00
38.50
39.00
39.50
01/26/13
05/06/13
08/14/13
11/22/13
03/02/14
06/10/14
09/18/14
12/27/14
04/06/15
07/15/15

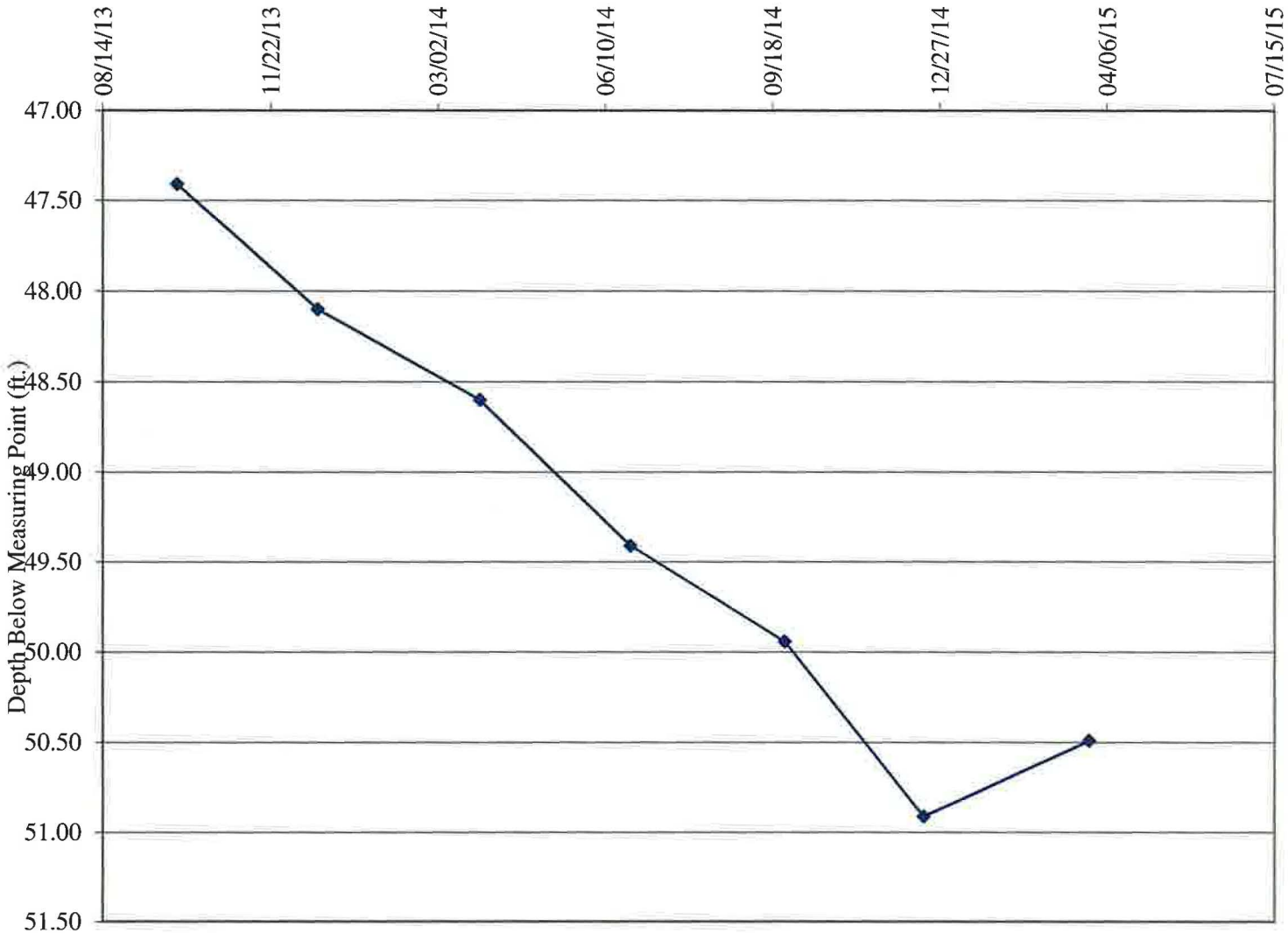

TW4-29 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
71.40
71.60
71.80
72.00
72.20
72.40
72.60
72.80
73.00
73.20
01/26/13
05/06/13
08/14/13
11/22/13
03/02/14
06/10/14
09/18/14
12/27/14
04/06/15
07/15/15

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

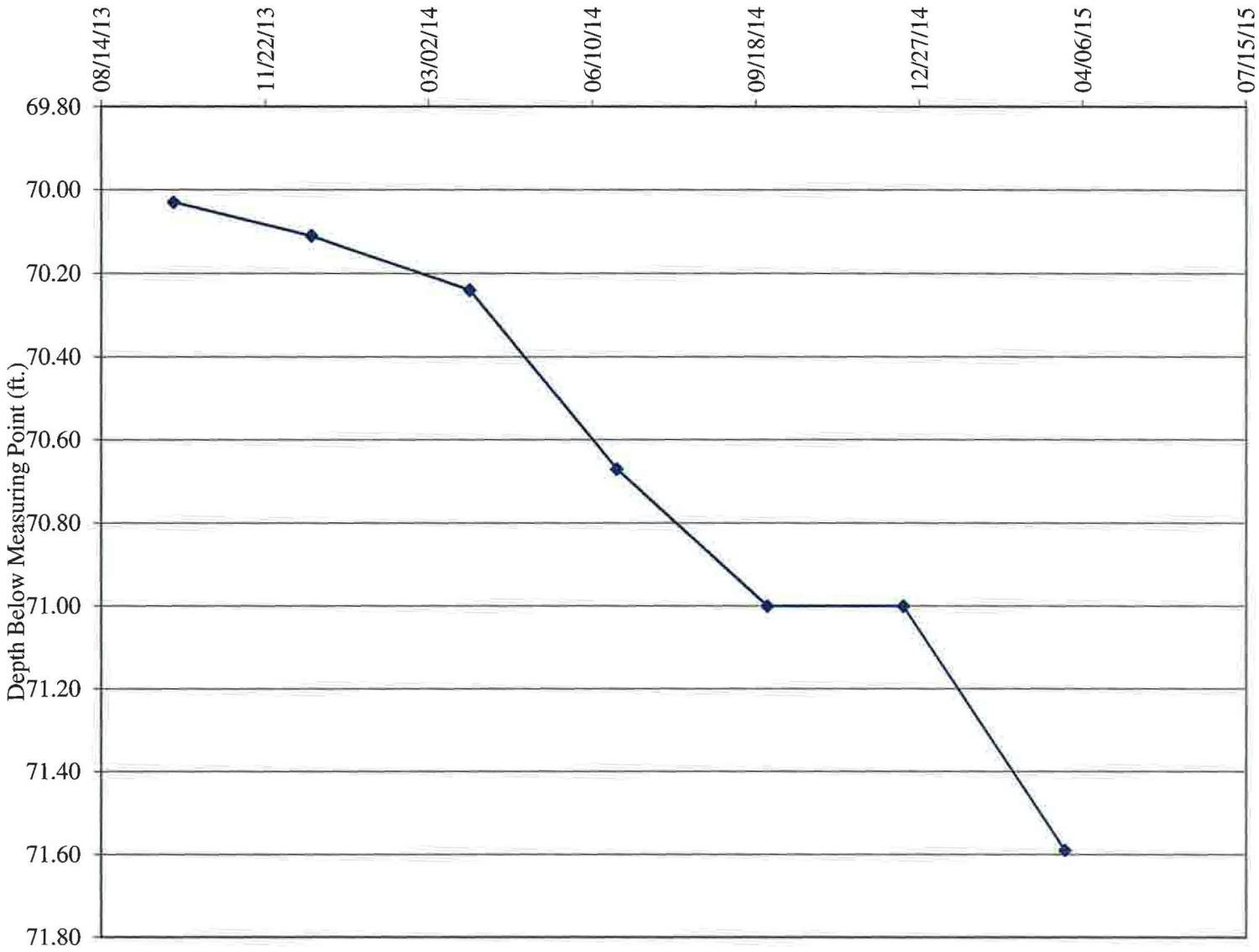



TW4-31 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
81.00
81.50
82.00
82.50
83.00
83.50
84.00
84.50
85.00
01/26/13
05/06/13
08/14/13
11/22/13
03/02/14
06/10/14
09/18/14
12/27/14
04/06/15
07/15/15

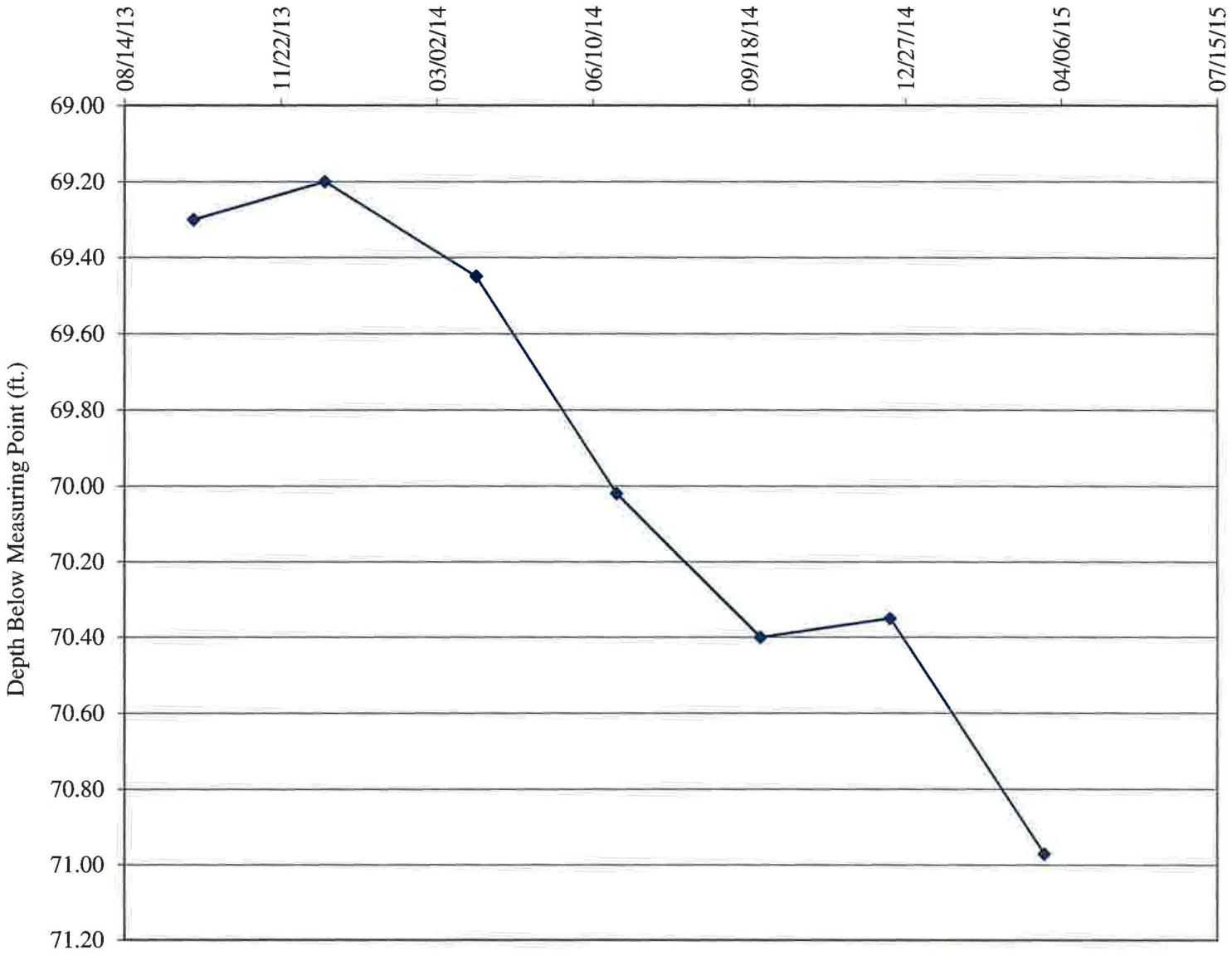
TW4-32 Water Depth Over Time (ft. blmp)



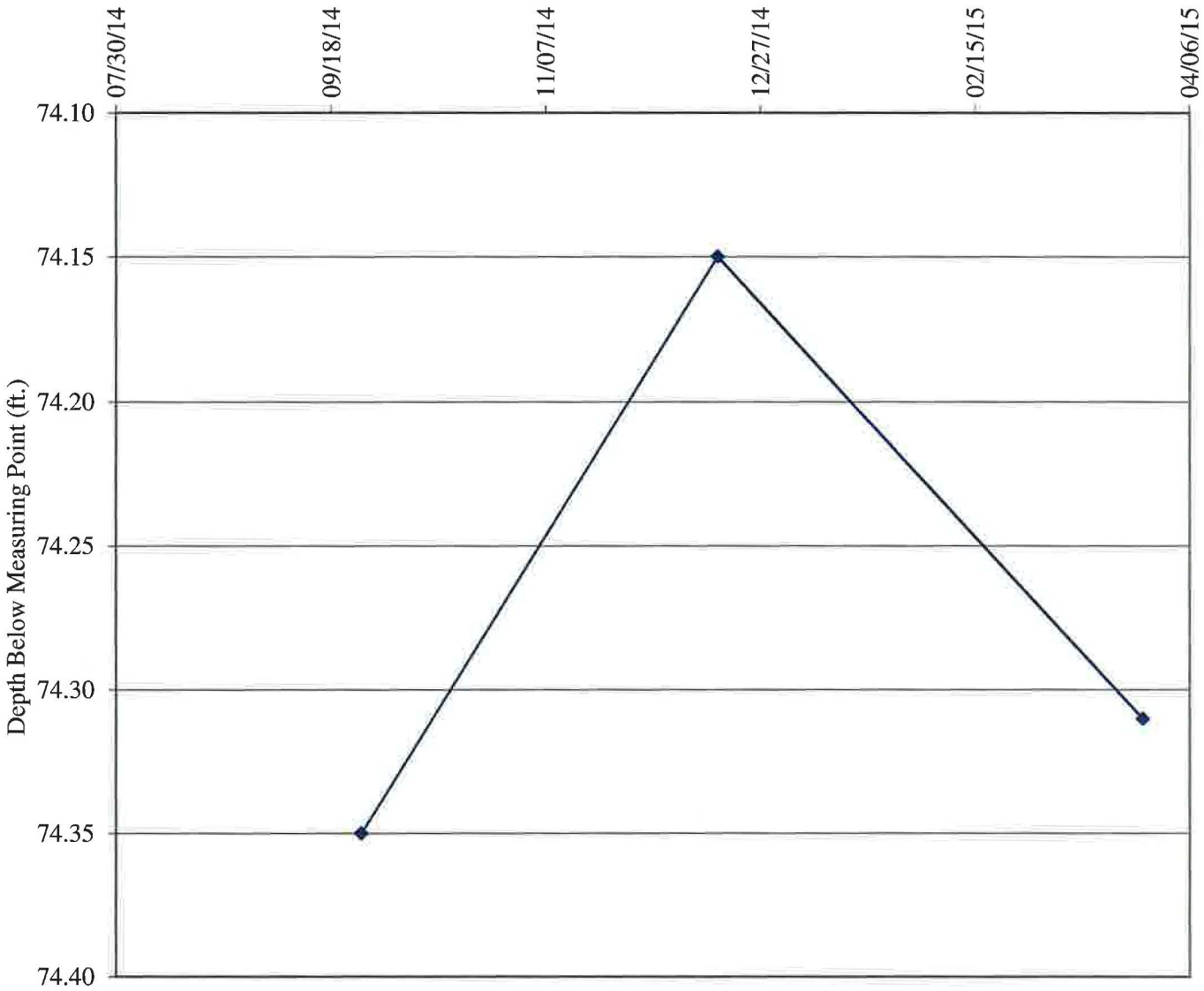
TW4-33 Water Depth Over Time (ft. blmp)



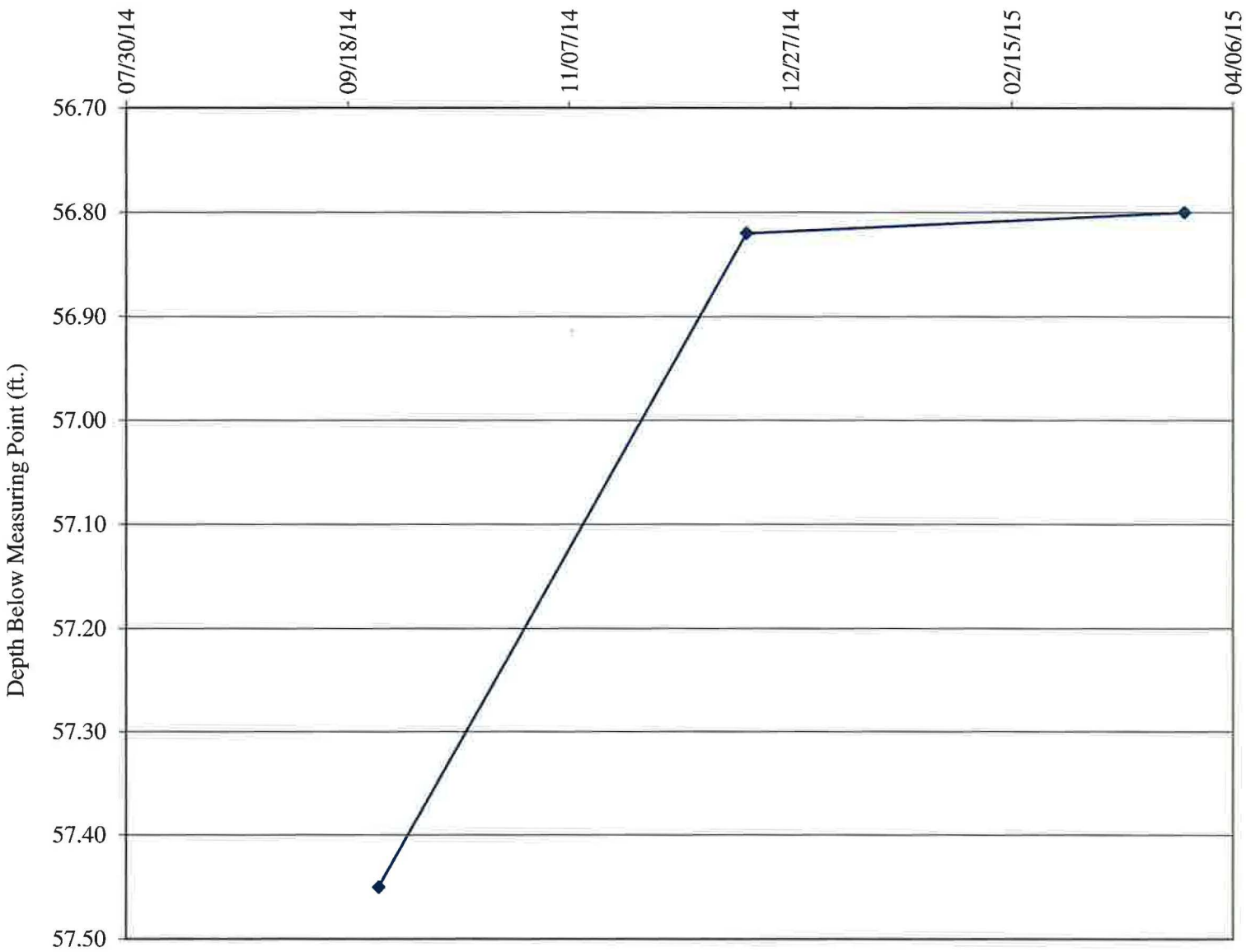
TW4-34 Water Depth Over Time (ft. blmp)



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	
5,551.13				03/26/15	71.20	69.64	

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	
5,546.50				03/26/15	72.08	71.06	

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	
5,549.93				03/26/15	74.79	73.17	

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	
5,576.73				03/26/15	55.50	54.48	

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	
5,541.49				03/26/15	72.00	70.82	

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	
5,577.37				03/26/15	63.33	61.38	

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	
5,538.03				03/26/15	70.75	69.30	

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	
5,548.57				03/26/15	72.50	71.30	

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
5,546.40				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	
5,546.89				03/26/15	74.51	69.91	

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	
5,576.35				03/26/15	61.24	59.76	

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	
5,573.12				03/26/15	61.12	58.87	

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	
5,532.62				03/26/15	91.00	89.30	

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	
5,579.28				03/26/15	44.95	43.10	

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	
5,569.50				03/26/15	50.44	48.59	

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	
5,530.86				03/26/15	81.91	80.06	

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	
5,557.55				03/26/15	67.90	66.60	

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	
5,559.02				03/26/15	65.00	63.17	

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	
5,548.24				03/26/15	77.00	75.17	

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	
5,577.18				03/26/15	64.10	61.95	

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
5,581.88				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	
5,567.99				03/26/15	63.40	61.54	

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	
5,565.65				03/26/15	63.88	62.87	

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	
5,578.19				03/26/15	61.16	60.01	

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	
5,557.00				03/26/15	72.00	70.83	

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	
5,539.47				03/26/15	67.90	66.30	

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	
5,561.95				03/26/15	65.88	63.75	

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	
5,587.40				03/26/15	57.51	40.43	

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	
5,536.43				03/26/15	65.25	63.55	

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	
5,527.71				03/26/15	80.23	78.48	

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	
5,578.11				03/26/15	38.89	35.41	

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	
5,533.04				03/26/15	73.00	69.52	

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	
5,526.23				03/26/15	76.58	73.10	

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	
5,523.33				03/26/15	81.25	77.77	

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	
5,561.35				03/26/15	50.49	48.85	

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	
5,535.14				03/26/15	71.59	70.06	

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	
5,532.37				03/26/15	70.97	69.23	

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	
5,525.56				03/26/15	74.31	73.11	

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	
5,559.79				03/26/15	56.80	55.39	

Tab H

Laboratory Analytical Reports

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: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-029C
Client Sample ID: MW-04_03092015
Collection Date: 3/9/2015 1437h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 2343h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**1,400**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	1,050	1,000	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	1,040	1,000	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	991	1,000	99.1	80-124	
Surr: Toluene-d8	2037-26-5	989	1,000	98.9	77-129	

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

Analyzed: 3/16/2015 1313h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**1.26**	
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	52.1	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.2	50.00	100	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.7	50.00	99.5	80-124	
Surr: Toluene-d8	2037-26-5	49.0	50.00	98.1	77-129	

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-029
Client Sample ID: MW-04_03092015
Collection Date: 3/9/2015 1437h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 531h	E300.0	10.0	**40.7**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1739h	E353.2	1.00	**5.75**	

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

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

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: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-028C
Client Sample ID: TW4-01_03092015
Collection Date: 3/9/2015 1443h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 2323h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**1,130**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	1,060	1,000	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	1,090	1,000	109	80-128	
Surr: Dibromofluoromethane	1868-53-7	991	1,000	99.1	80-124	
Surr: Toluene-d8	2037-26-5	1,010	1,000	101	77-129	

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

Analyzed: 3/16/2015 1254h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.9	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.3	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.1	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	50.2	50.00	100	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-028
Client Sample ID: TW4-01_03092015
Collection Date: 3/9/2015 1443h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 513h	E300.0	10.0	**38.3**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1737h	E353.2	1.00	**7.06**	

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

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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: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-031C
Client Sample ID: TW4-02_03092015
Collection Date: 3/9/2015 1427h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/17/2015 022h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**1,840**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,670	2,500	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,660	2,500	106	80-128	
Surr: Dibromofluoromethane	1868-53-7	2,490	2,500	99.5	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: 3/16/2015 1352h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**1.44**	
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	51.4	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.0	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	49.5	50.00	99.0	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-031
Client Sample ID: TW4-02_03092015
Collection Date: 3/9/2015 1427h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 606h	E300.0	10.0	**44.9**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1750h	E353.2	1.00	**5.32**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-002C
Client Sample ID: TW4-03_03112015
Collection Date: 3/11/2015 746h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 023h
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	52.4	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.5	50.00	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.4	50.00	98.8	80-124	
Surr: Toluene-d8	2037-26-5	50.8	50.00	102	77-129	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
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e-mail: awal@awal-labs.com
web: www.awal-labs.com

Kyle F. Gross
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Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-002
Client Sample ID: TW4-03_03112015
Collection Date: 3/11/2015 746h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/16/2015 1647h	E300.0	10.0	**26.2**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1643h	E353.2	1.00	**6.64**	

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3440 South 700 West
Salt Lake City, UT 84119

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

web: www.awal-labs.com

Kyle F. Gross
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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-001C
Client Sample ID: TW4-03R_03102015
Collection Date: 3/10/2015 755h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/15/2015 2326h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.5	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.5	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.8	50.00	97.6	80-124	
Surr: Toluene-d8	2037-26-5	50.2	50.00	100	77-129	

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Salt Lake City, UT 84119
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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-001
Client Sample ID: TW4-03R_03102015
Collection Date: 3/10/2015 755h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/16/2015 2057h	E300.0	1.00	< 1.00	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1639h	E353.2	0.100	< 0.100	

3440 South 700 West
Salt Lake City, UT 84119

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-027C
Client Sample ID: TW4-04_03092015
Collection Date: 3/9/2015 1453h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 2304h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**1,350**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,650	2,500	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,630	2,500	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	2,480	2,500	99.0	80-124	
Surr: Toluene-d8	2037-26-5	2,490	2,500	99.8	77-129	

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

Analyzed: 3/16/2015 1234h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**1.05**	
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	51.6	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.9	50.00	99.7	80-124	
Surr: Toluene-d8	2037-26-5	49.5	50.00	99.0	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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-027
Client Sample ID: TW4-04_03092015
Collection Date: 3/9/2015 1453h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 456h	E300.0	10.0	**37.6**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1736h	E353.2	1.00	**7.70**	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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

web: www.awal-labs.com

Kyle F. Gross
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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-017C
Client Sample ID: TW4-05_03122015
Collection Date: 3/12/2015 728h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 516h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	**13.8**	
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	52.3	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.5	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.7	50.00	97.3	80-124	
Surr: Toluene-d8	2037-26-5	49.8	50.00	99.6	77-129	

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3440 South 700 West
Salt Lake City, UT 84119
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-017
Client Sample ID: TW4-05_03122015
Collection Date: 3/12/2015 728h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 127h	E300.0	10.0	**45.1**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1715h	E353.2	1.00	**9.32**	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
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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: 1st Quarter Chloroform 2015
Lab Sample ID: 1503326-003C
Client Sample ID: TW4-06_03182015
Collection Date: 3/18/2015 757h
Received Date: 3/19/2015 945h

Test Code: 8260-W-DEN100

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

Analyzed: 3/19/2015 1501h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**1,180**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	1,040	1,000	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	926	1,000	92.6	80-128	
Surr: Dibromofluoromethane	1868-53-7	1,000	1,000	100	80-124	
Surr: Toluene-d8	2037-26-5	969	1,000	96.9	77-129	

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

Analyzed: 3/19/2015 1205h
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	51.6	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.6	50.00	93.2	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.7	50.00	99.3	80-124	
Surr: Toluene-d8	2037-26-5	47.9	50.00	95.8	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503326-003
Client Sample ID: TW4-06_03182015
Collection Date: 3/18/2015 757h
Received Date: 3/19/2015 945h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/19/2015 2207h	E300.0	10.0	**41.2**	
Nitrate/Nitrite (as N)	mg/L		3/27/2015 1907h	E353.2	1.00	**5.25**	

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

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503326-001C
Client Sample ID: TW4-06R_03172015
Collection Date: 3/17/2015 930h
Received Date: 3/19/2015 945h

Test Code: 8260-W-DEN100

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

Analyzed: 3/19/2015 1126h
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	46.4	50.00	92.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.5	50.00	97.1	80-124	
Surr: Toluene-d8	2037-26-5	48.0	50.00	96.0	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503326-001
Client Sample ID: TW4-06R_03172015
Collection Date: 3/17/2015 930h
Received Date: 3/19/2015 945h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/19/2015 2258h	E300.0	1.00	< 1.00	
Nitrate/Nitrite (as N)	mg/L		3/27/2015 1846h	E353.2	0.100	< 0.100	[1]

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

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3440 South 700 West
Salt Lake City, UT 84119

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503326-004C
Client Sample ID: TW4-07_03182015
Collection Date: 3/18/2015 805h
Received Date: 3/19/2015 945h

Test Code: 8260-W-DEN100

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

Analyzed: 3/19/2015 1520h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**942**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	1,040	1,000	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	930	1,000	93.0	80-128	
Surr: Dibromofluoromethane	1868-53-7	986	1,000	98.6	80-124	
Surr: Toluene-d8	2037-26-5	966	1,000	96.6	77-129	

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

Analyzed: 3/19/2015 1224h
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	51.6	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.4	50.00	92.7	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.9	50.00	99.8	80-124	
Surr: Toluene-d8	2037-26-5	48.4	50.00	96.9	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503326-004
Client Sample ID: TW4-07_03182015
Collection Date: 3/18/2015 805h
Received Date: 3/19/2015 945h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/19/2015 2224h	E300.0	10.0	**40.4**	
Nitrate/Nitrite (as N)	mg/L		3/27/2015 1908h	E353.2	1.00	**4.25**	

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Salt Lake City, UT 84119

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-022C
Client Sample ID: TW4-08_03122015
Collection Date: 3/12/2015 803h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 2145h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**961**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	1,060	1,000	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	1,070	1,000	107	80-128	
Surr: Dibromofluoromethane	1868-53-7	990	1,000	99.0	80-124	
Surr: Toluene-d8	2037-26-5	1,000	1,000	100	77-129	

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

Analyzed: 3/16/2015 1056h
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	51.5	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.7	50.00	99.4	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.3	50.00	98.6	80-124	
Surr: Toluene-d8	2037-26-5	49.2	50.00	98.4	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-022
Client Sample ID: TW4-08_03122015
Collection Date: 3/12/2015 803h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 312h	E300.0	10.0	**49.6**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1830h	E353.2	0.500	**2.34**	

3440 South 700 West
Salt Lake City, UT 84119

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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ANALYTICAL LABORATORIES

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-020C
Client Sample ID: TW4-09_03122015
Collection Date: 3/12/2015 747h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 614h
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	**53.5**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.0	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.2	50.00	101	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.6	50.00	97.1	80-124	
Surr: Toluene-d8	2037-26-5	49.1	50.00	98.2	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-020
Client Sample ID: TW4-09_03122015
Collection Date: 3/12/2015 747h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 202h	E300.0	10.0	**29.5**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1719h	E353.2	1.00	**3.28**	

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Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503326-005C
Client Sample ID: TW4-10_03182015
Collection Date: 3/18/2015 812h
Received Date: 3/19/2015 945h

Test Code: 8260-W-DEN100

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

Analyzed: 3/19/2015 1540h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**1,210**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	1,040	1,000	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	922	1,000	92.2	80-128	
Surr: Dibromofluoromethane	1868-53-7	999	1,000	99.9	80-124	
Surr: Toluene-d8	2037-26-5	965	1,000	96.5	77-129	

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

Analyzed: 3/19/2015 1244h
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	46.5	50.00	93.0	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.7	50.00	99.3	80-124	
Surr: Toluene-d8	2037-26-5	48.1	50.00	96.1	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503326-005
Client Sample ID: TW4-10_03182015
Collection Date: 3/18/2015 812h
Received Date: 3/19/2015 945h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/19/2015 2241h	E300.0	10.0	**78.6**	
Nitrate/Nitrite (as N)	mg/L		3/27/2015 1909h	E353.2	1.00	**15.0**	

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ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-026C
Client Sample ID: TW4-11_03092015
Collection Date: 3/9/2015 1408h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 2244h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**2,450**	~

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	2,590	2,500	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	2,460	2,500	98.3	80-124	
Surr: Toluene-d8	2037-26-5	2,460	2,500	98.5	77-129	

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

Analyzed: 3/16/2015 1215h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**1.24**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.2	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.7	50.00	101	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.8	50.00	99.5	80-124	
Surr: Toluene-d8	2037-26-5	49.2	50.00	98.5	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-026
Client Sample ID: TW4-11_03092015
Collection Date: 3/9/2015 1408h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 439h	E300.0	10.0	**49.8**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1735h	E353.2	1.00	**8.72**	

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

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Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-003C
Client Sample ID: TW4-12_03112015
Collection Date: 3/11/2015 757h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 043h
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	51.1	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.4	50.00	96.9	80-124	
Surr: Toluene-d8	2037-26-5	49.2	50.00	98.3	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-003
Client Sample ID: TW4-12_03112015
Collection Date: 3/11/2015 757h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/16/2015 1704h	E300.0	10.0	**50.6**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1645h	E353.2	1.00	**19.2**	

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3440 South 700 West
Salt Lake City, UT 84119

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-006C
Client Sample ID: TW4-13_03112015
Collection Date: 3/11/2015 817h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 141h
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	52.0	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.0	50.00	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.8	50.00	97.5	80-124	
Surr: Toluene-d8	2037-26-5	50.0	50.00	99.9	77-129	

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Salt Lake City, UT 84119

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Kyle F. Gross
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-006
Client Sample ID: TW4-13_03112015
Collection Date: 3/11/2015 817h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/16/2015 1916h	E300.0	10.0	**66.4**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1649h	E353.2	1.00	**7.09**	

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3440 South 700 West
Salt Lake City, UT 84119

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

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Kyle F. Gross
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-015C
Client Sample ID: TW4-14_03122015
Collection Date: 3/12/2015 712h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 437h
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	**1.71**	
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	52.8	50.00	106	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.5	50.00	97.1	80-124	
Surr: Toluene-d8	2037-26-5	49.7	50.00	99.4	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-015
Client Sample ID: TW4-14_03122015
Collection Date: 3/12/2015 712h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 019h	E300.0	10.0	**40.1**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1713h	E353.2	1.00	**5.22**	

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ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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web: www.awal-labs.com

Kyle F. Gross
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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-030C
Client Sample ID: MW-26_03092015
Collection Date: 3/9/2015 1400h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/17/2015 003h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**1,980**	~

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	2,590	2,500	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	2,490	2,500	99.4	80-124	
Surr: Toluene-d8	2037-26-5	2,500	2,500	100	77-129	

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

Analyzed: 3/16/2015 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	**27.4**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.1	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.5	50.00	101	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.8	50.00	99.5	80-124	
Surr: Toluene-d8	2037-26-5	49.2	50.00	98.4	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-030
Client Sample ID: MW-26_03092015
Collection Date: 3/9/2015 1400h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 548h	E300.0	10.0	**56.5**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1740h	E353.2	0.200	**0.732**	

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

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-025C
Client Sample ID: TW4-16_03122015
Collection Date: 3/12/2015 830h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 1155h
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	**153**	
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	53.6	50.00	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.2	50.00	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.5	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	51.2	50.00	102	77-129	

American West Analytical Laboratories
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Salt Lake City, UT 84119

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-025
Client Sample ID: TW4-16_03122015
Collection Date: 3/12/2015 830h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 346h	E300.0	10.0	**65.3**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1733h	E353.2	1.00	**4.30**	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503326-002C
Client Sample ID: MW-32_03172015
Collection Date: 3/17/2015 1400h
Received Date: 3/19/2015 945h

Test Code: 8260-W-DEN100

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

Analyzed: 3/19/2015 1145h
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	51.8	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	45.7	50.00	91.3	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	96.0	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503326-002
Client Sample ID: MW-32_03172015
Collection Date: 3/17/2015 1400h
Received Date: 3/19/2015 945h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/19/2015 2117h	E300.0	10.0	**36.3**	
Nitrate/Nitrite (as N)	mg/L		3/27/2015 1850h	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
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Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-019C
Client Sample ID: TW4-18_03122015
Collection Date: 3/12/2015 738h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 554h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	**32.0**	
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	53.1	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.0	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.3	50.00	98.5	80-124	
Surr: Toluene-d8	2037-26-5	50.3	50.00	101	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-019
Client Sample ID: TW4-18_03122015
Collection Date: 3/12/2015 738h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 145h	E300.0	10.0	**41.6**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1718h	E353.2	1.00	**11.7**	

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

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-032C
Client Sample ID: TW4-19_03092015
Collection Date: 3/9/2015 1200h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/17/2015 042h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**4,660**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,690	2,500	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,600	2,500	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	2,490	2,500	99.7	80-124	
Surr: Toluene-d8	2037-26-5	2,500	2,500	100	77-129	

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

Analyzed: 3/16/2015 1412h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**8.92**	
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	52.8	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.0	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.4	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	49.1	50.00	98.2	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-032
Client Sample ID: TW4-19_03092015
Collection Date: 3/9/2015 1200h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 2037h	E300.0	100	**238**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1831h	E353.2	1.00	**8.56**	[1]

[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

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Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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ANALYTICAL LABORATORIES

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Salt Lake City, UT 84119

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-034C
Client Sample ID: TW4-20_03092015
Collection Date: 3/9/2015 1350h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/17/2015 121h
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	**19,900**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	5,350	5,000	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	5,240	5,000	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	4,990	5,000	99.8	80-124	
Surr: Toluene-d8	2037-26-5	5,000	5,000	100	77-129	

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

Analyzed: 3/16/2015 1451h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**20.8**	
Chloromethane	74-87-3	1.00	**4.85**	
Methylene chloride	75-09-2	1.00	**1.38**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.6	50.00	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.4	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.5	50.00	103	80-124	
Surr: Toluene-d8	2037-26-5	50.5	50.00	101	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-034
Client Sample ID: TW4-20_03092015
Collection Date: 3/9/2015 1350h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 2111h	E300.0	100	**290**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1753h	E353.2	1.00	**9.80**	

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
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Jose Rocha
QA Officer

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ANALYTICAL LABORATORIES

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Salt Lake City, UT 84119

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Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-023C
Client Sample ID: TW4-21_03122015
Collection Date: 3/12/2015 811h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 2205h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**292**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	529	500.0	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	523	500.0	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	491	500.0	98.1	80-124	
Surr: Toluene-d8	2037-26-5	497	500.0	99.4	77-129	

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

Analyzed: 3/16/2015 1116h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**1.75**	
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	51.8	50.00	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.6	50.00	99.2	80-124	
Surr: Toluene-d8	2037-26-5	49.9	50.00	99.8	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-023
Client Sample ID: TW4-21_03122015
Collection Date: 3/12/2015 811h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/16/2015 2311h	E300.0	100	**255**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1730h	E353.2	1.00	**10.9**	

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ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-033C
Client Sample ID: TW4-22_03092015
Collection Date: 3/9/2015 1336h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/17/2015 102h
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	**12,700**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	5,300	5,000	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	5,320	5,000	106	80-128	
Surr: Dibromofluoromethane	1868-53-7	5,020	5,000	100	80-124	
Surr: Toluene-d8	2037-26-5	5,070	5,000	101	77-129	

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

Analyzed: 3/16/2015 1431h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	**3.77**	
Chloromethane	74-87-3	1.00	**4.31**	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.8	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.8	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.2	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	49.9	50.00	99.7	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-033
Client Sample ID: TW4-22_03092015
Collection Date: 3/9/2015 1336h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 2054h	E300.0	100	**675**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1751h	E353.2	10.0	**69.2**	

3440 South 700 West
Salt Lake City, UT 84119

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web: www.awal-labs.com

Kyle F. Gross
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Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-013C
Client Sample ID: TW4-23_03122015
Collection Date: 3/12/2015 703h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 358h
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	51.3	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.9	50.00	97.8	80-124	
Surr: Toluene-d8	2037-26-5	49.8	50.00	99.6	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-013
Client Sample ID: TW4-23_03122015
Collection Date: 3/12/2015 703h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/16/2015 2345h	E300.0	10.0	**47.3**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1705h	E353.2	0.100	< 0.100	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-018C
Client Sample ID: TW4-24_03092015
Collection Date: 3/9/2015 1326h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 535h
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	**49.2**	
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	51.7	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.4	50.00	98.7	80-124	
Surr: Toluene-d8	2037-26-5	49.8	50.00	99.6	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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-018
Client Sample ID: TW4-24_03092015
Collection Date: 3/9/2015 1326h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 2021h	E300.0	100	**944**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1826h	E353.2	10.0	**34.6**	

3440 South 700 West
Salt Lake City, UT 84119

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ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-014C
Client Sample ID: TW4-25_03092015
Collection Date: 3/9/2015 1300h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 417h
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	52.8	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.4	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.1	50.00	98.3	80-124	
Surr: Toluene-d8	2037-26-5	49.6	50.00	99.3	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-014
Client Sample ID: TW4-25_03092015
Collection Date: 3/9/2015 1300h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 1930h	E300.0	100	**310**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1824h	E353.2	1.00	**14.4**	

3440 South 700 West
Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-016C
Client Sample ID: TW4-26_03122015
Collection Date: 3/12/2015 720h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 456h
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	**2.37**	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.2	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.2	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.3	50.00	96.7	80-124	
Surr: Toluene-d8	2037-26-5	49.0	50.00	97.9	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-016
Client Sample ID: TW4-26_03122015
Collection Date: 3/12/2015 720h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 110h	E300.0	10.0	**14.4**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1714h	E353.2	1.00	**14.4**	

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ANALYTICAL LABORATORIES

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Salt Lake City, UT 84119

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-008C
Client Sample ID: TW4-27_03112015
Collection Date: 3/11/2015 830h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 220h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.7	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.4	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.8	50.00	97.5	80-124	
Surr: Toluene-d8	2037-26-5	49.5	50.00	99.0	77-129	

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Jose Rocha
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-008
Client Sample ID: TW4-27_03112015
Collection Date: 3/11/2015 830h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/16/2015 1949h	E300.0	10.0	**26.2**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1656h	E353.2	5.00	**26.5**	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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

web: www.awal-labs.com

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-004C
Client Sample ID: TW4-28_03112015
Collection Date: 3/11/2015 804h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 102h
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	50.7	50.00	101	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.7	50.00	97.3	80-124	
Surr: Toluene-d8	2037-26-5	49.4	50.00	98.9	77-129	

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3440 South 700 West
Salt Lake City, UT 84119
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-004
Client Sample ID: TW4-28_03112015
Collection Date: 3/11/2015 804h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/16/2015 1808h	E300.0	10.0	**52.2**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1646h	E353.2	1.00	**19.0**	

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web: www.awal-labs.com

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Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-024C
Client Sample ID: TW4-29_03122015
Collection Date: 3/12/2015 821h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 2224h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**299**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	527	500.0	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	510	500.0	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	489	500.0	97.9	80-124	
Surr: Toluene-d8	2037-26-5	496	500.0	99.3	77-129	

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

Analyzed: 3/16/2015 1135h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.6	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.3	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.3	50.00	98.6	80-124	
Surr: Toluene-d8	2037-26-5	49.3	50.00	98.6	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-024
Client Sample ID: TW4-29_03122015
Collection Date: 3/12/2015 821h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 329h	E300.0	10.0	**40.5**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1732h	E353.2	1.00	**4.14**	

American West
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3440 South 700 West
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web: www.awal-labs.com

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Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-009C
Client Sample ID: TW4-30_03112015
Collection Date: 3/11/2015 835h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 240h
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	**1.65**	
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	52.6	50.00	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.7	50.00	97.4	80-124	
Surr: Toluene-d8	2037-26-5	50.1	50.00	100	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-009
Client Sample ID: TW4-30_03112015
Collection Date: 3/11/2015 835h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/16/2015 2006h	E300.0	10.0	**38.3**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1816h	E353.2	0.200	**2.15**	

3440 South 700 West
Salt Lake City, UT 84119

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-010C
Client Sample ID: TW4-31_03112015
Collection Date: 3/11/2015 841h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 259h
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	52.8	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.7	50.00	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.2	50.00	98.5	80-124	
Surr: Toluene-d8	2037-26-5	50.7	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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-010
Client Sample ID: TW4-31_03112015
Collection Date: 3/11/2015 841h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/16/2015 2023h	E300.0	10.0	**30.6**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1659h	E353.2	0.100	**1.33**	

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Salt Lake City, UT 84119

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-005C
Client Sample ID: TW4-32_03112015
Collection Date: 3/11/2015 810h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 122h
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	51.4	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.2	50.00	98.4	80-124	
Surr: Toluene-d8	2037-26-5	49.8	50.00	99.7	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-005
Client Sample ID: TW4-32_03112015
Collection Date: 3/11/2015 810h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/16/2015 1825h	E300.0	10.0	**64.2**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1815h	E353.2	0.200	**2.46**	

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Salt Lake City, UT 84119

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-021C
Client Sample ID: TW4-33_03122015
Collection Date: 3/12/2015 755h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 840h
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	**134**	
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	52.8	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.2	50.00	106	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.6	50.00	99.2	80-124	
Surr: Toluene-d8	2037-26-5	50.5	50.00	101	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-021
Client Sample ID: TW4-33_03122015
Collection Date: 3/12/2015 755h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 220h	E300.0	10.0	**44.2**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1721h	E353.2	0.100	**1.91**	[1]

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

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-011C
Client Sample ID: TW4-34_03112015
Collection Date: 3/11/2015 847h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 319h
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	52.8	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.7	50.00	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.0	50.00	98.0	80-124	
Surr: Toluene-d8	2037-26-5	50.6	50.00	101	77-129	

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Salt Lake City, UT 84119

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-011
Client Sample ID: TW4-34_03112015
Collection Date: 3/11/2015 847h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/16/2015 2040h	E300.0	10.0	**17.7**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1700h	E353.2	0.100	**1.21**	

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Salt Lake City, UT 84119

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-012C
Client Sample ID: TW4-35_03112015
Collection Date: 3/11/2015 853h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 338h
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	50.0	50.00	99.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	47.9	50.00	95.7	80-124	
Surr: Toluene-d8	2037-26-5	49.0	50.00	97.9	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-012
Client Sample ID: TW4-35_03112015
Collection Date: 3/11/2015 853h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/16/2015 2328h	E300.0	10.0	**34.9**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1704h	E353.2	0.100	**0.436**	

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Salt Lake City, UT 84119

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-007C
Client Sample ID: TW4-36_03112015
Collection Date: 3/11/2015 823h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/16/2015 200h
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	52.4	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.9	50.00	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.0	50.00	98.0	80-124	
Surr: Toluene-d8	2037-26-5	49.9	50.00	99.8	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-007
Client Sample ID: TW4-36_03112015
Collection Date: 3/11/2015 823h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/16/2015 1932h	E300.0	10.0	**67.2**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1655h	E353.2	0.100	< 0.100	

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Salt Lake City, UT 84119

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503326-006C
Client Sample ID: TW4-60_03172015
Collection Date: 3/17/2015 855h
Received Date: 3/19/2015 945h

Test Code: 8260-W-DEN100

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

Analyzed: 3/19/2015 1303h
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	52.1	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.0	50.00	93.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.3	50.00	98.5	80-124	
Surr: Toluene-d8	2037-26-5	48.7	50.00	97.3	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503326-006
Client Sample ID: TW4-60_03172015
Collection Date: 3/17/2015 855h
Received Date: 3/19/2015 945h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/19/2015 2315h	E300.0	1.00	< 1.00	
Nitrate/Nitrite (as N)	mg/L		3/27/2015 1855h	E353.2	0.100	< 0.100	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-035C
Client Sample ID: TW4-65_03112015
Collection Date: 3/11/2015 810h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/17/2015 831h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.7	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.6	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.6	50.00	97.3	80-124	
Surr: Toluene-d8	2037-26-5	49.0	50.00	98.1	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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-035
Client Sample ID: TW4-65_03112015
Collection Date: 3/11/2015 810h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 2128h	E300.0	10.0	**65.9**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1754h	E353.2	1.00	**2.25**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-036C
Client Sample ID: TW4-70_03122015
Collection Date: 3/12/2015 728h
Received Date: 3/13/2015 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/17/2015 850h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	**13.8**	
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	53.4	50.00	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.3	50.00	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.3	50.00	98.6	80-124	
Surr: Toluene-d8	2037-26-5	50.0	50.00	100	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-036
Client Sample ID: TW4-70_03122015
Collection Date: 3/12/2015 728h
Received Date: 3/13/2015 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/17/2015 2145h	E300.0	10.0	**46.4**	
Nitrate/Nitrite (as N)	mg/L		3/20/2015 1755h	E353.2	1.00	**8.81**	

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Salt Lake City, UT 84119

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503226-037A
Client Sample ID: Trip Blank
Collection Date: 3/9/2015
Received Date: 3/13/2015 1015h Test Code: 8260-W-DEN100

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

Analyzed: 3/17/2015 910h
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	52.4	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.0	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.9	50.00	97.8	80-124	
Surr: Toluene-d8	2037-26-5	49.1	50.00	98.2	77-129	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Chloroform 2015
Lab Sample ID: 1503326-007A
Client Sample ID: Trip Blank
Collection Date: 3/17/2015
Received Date: 3/19/2015 945h

Test Code: 8260-W-DEN100

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

Analyzed: 3/19/2015 1323h
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	46.3	50.00	92.5	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.9	50.00	97.8	80-124	
Surr: Toluene-d8	2037-26-5	48.0	50.00	96.1	77-129	

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Jose Rocha
QA Officer

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 1st Quarter Chloroform 2015

Dear Garrin Palmer: Lab Set ID: 1503226

American West Analytical Laboratories received 37 sample(s) on 3/13/2015 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou, email=jose@awal-labs.com, c=US
Date: 2015.03.27 11:01:24 -06'00'

Laboratory Director or designee

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: 1st Quarter Chloroform 2015
Lab Set ID: 1503226
Date Received: 3/13/2015 1015h

Contact: Garrin Palmer

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
1503226-001A	TW4-03R_03102015	3/10/2015 755h	Aqueous	Anions, E300.0
1503226-001B	TW4-03R_03102015	3/10/2015 755h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-001C	TW4-03R_03102015	3/10/2015 755h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-002A	TW4-03_03112015	3/11/2015 746h	Aqueous	Anions, E300.0
1503226-002B	TW4-03_03112015	3/11/2015 746h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-002C	TW4-03_03112015	3/11/2015 746h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-003A	TW4-12_03112015	3/11/2015 757h	Aqueous	Anions, E300.0
1503226-003B	TW4-12_03112015	3/11/2015 757h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-003C	TW4-12_03112015	3/11/2015 757h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-004A	TW4-28_03112015	3/11/2015 804h	Aqueous	Anions, E300.0
1503226-004B	TW4-28_03112015	3/11/2015 804h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-004C	TW4-28_03112015	3/11/2015 804h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-005A	TW4-32_03112015	3/11/2015 810h	Aqueous	Anions, E300.0
1503226-005B	TW4-32_03112015	3/11/2015 810h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-005C	TW4-32_03112015	3/11/2015 810h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-006A	TW4-13_03112015	3/11/2015 817h	Aqueous	Anions, E300.0
1503226-006B	TW4-13_03112015	3/11/2015 817h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-006C	TW4-13_03112015	3/11/2015 817h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-007A	TW4-36_03112015	3/11/2015 823h	Aqueous	Anions, E300.0
1503226-007B	TW4-36_03112015	3/11/2015 823h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-007C	TW4-36_03112015	3/11/2015 823h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-008A	TW4-27_03112015	3/11/2015 830h	Aqueous	Anions, E300.0
1503226-008B	TW4-27_03112015	3/11/2015 830h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-008C	TW4-27_03112015	3/11/2015 830h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-009A	TW4-30_03112015	3/11/2015 835h	Aqueous	Anions, E300.0
1503226-009B	TW4-30_03112015	3/11/2015 835h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-009C	TW4-30_03112015	3/11/2015 835h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-010A	TW4-31_03112015	3/11/2015 841h	Aqueous	Anions, E300.0
1503226-010B	TW4-31_03112015	3/11/2015 841h	Aqueous	Nitrite/Nitrate (as N), E353.2

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Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc.
Project: 1st Quarter Chloroform 2015
Lab Set ID: 1503226
Date Received: 3/13/2015 1015h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1503226-010C	TW4-31_03112015	3/11/2015	841h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-011A	TW4-34_03112015	3/11/2015	847h	Aqueous	Anions, E300.0
1503226-011B	TW4-34_03112015	3/11/2015	847h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-011C	TW4-34_03112015	3/11/2015	847h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-012A	TW4-35_03112015	3/11/2015	853h	Aqueous	Anions, E300.0
1503226-012B	TW4-35_03112015	3/11/2015	853h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-012C	TW4-35_03112015	3/11/2015	853h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-013A	TW4-23_03122015	3/12/2015	703h	Aqueous	Anions, E300.0
1503226-013B	TW4-23_03122015	3/12/2015	703h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-013C	TW4-23_03122015	3/12/2015	703h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-014A	TW4-25_03092015	3/9/2015	1300h	Aqueous	Anions, E300.0
1503226-014B	TW4-25_03092015	3/9/2015	1300h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-014C	TW4-25_03092015	3/9/2015	1300h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-015A	TW4-14_03122015	3/12/2015	712h	Aqueous	Anions, E300.0
1503226-015B	TW4-14_03122015	3/12/2015	712h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-015C	TW4-14_03122015	3/12/2015	712h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-016A	TW4-26_03122015	3/12/2015	720h	Aqueous	Anions, E300.0
1503226-016B	TW4-26_03122015	3/12/2015	720h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-016C	TW4-26_03122015	3/12/2015	720h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-017A	TW4-05_03122015	3/12/2015	728h	Aqueous	Anions, E300.0
1503226-017B	TW4-05_03122015	3/12/2015	728h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-017C	TW4-05_03122015	3/12/2015	728h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-018A	TW4-24_03092015	3/9/2015	1326h	Aqueous	Anions, E300.0
1503226-018B	TW4-24_03092015	3/9/2015	1326h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-018C	TW4-24_03092015	3/9/2015	1326h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-019A	TW4-18_03122015	3/12/2015	738h	Aqueous	Anions, E300.0
1503226-019B	TW4-18_03122015	3/12/2015	738h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-019C	TW4-18_03122015	3/12/2015	738h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-020A	TW4-09_03122015	3/12/2015	747h	Aqueous	Anions, E300.0
1503226-020B	TW4-09_03122015	3/12/2015	747h	Aqueous	Nitrite/Nitrate (as N), E353.2

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Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc.
Project: 1st Quarter Chloroform 2015
Lab Set ID: 1503226
Date Received: 3/13/2015 1015h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1503226-020C	TW4-09_03122015	3/12/2015	747h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-021A	TW4-33_03122015	3/12/2015	755h	Aqueous	Anions, E300.0
1503226-021B	TW4-33_03122015	3/12/2015	755h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-021C	TW4-33_03122015	3/12/2015	755h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-022A	TW4-08_03122015	3/12/2015	803h	Aqueous	Anions, E300.0
1503226-022B	TW4-08_03122015	3/12/2015	803h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-022C	TW4-08_03122015	3/12/2015	803h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-023A	TW4-21_03122015	3/12/2015	811h	Aqueous	Anions, E300.0
1503226-023B	TW4-21_03122015	3/12/2015	811h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-023C	TW4-21_03122015	3/12/2015	811h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-024A	TW4-29_03122015	3/12/2015	821h	Aqueous	Anions, E300.0
1503226-024B	TW4-29_03122015	3/12/2015	821h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-024C	TW4-29_03122015	3/12/2015	821h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-025A	TW4-16_03122015	3/12/2015	830h	Aqueous	Anions, E300.0
1503226-025B	TW4-16_03122015	3/12/2015	830h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-025C	TW4-16_03122015	3/12/2015	830h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-026A	TW4-11_03092015	3/9/2015	1408h	Aqueous	Anions, E300.0
1503226-026B	TW4-11_03092015	3/9/2015	1408h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-026C	TW4-11_03092015	3/9/2015	1408h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-027A	TW4-04_03092015	3/9/2015	1453h	Aqueous	Anions, E300.0
1503226-027B	TW4-04_03092015	3/9/2015	1453h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-027C	TW4-04_03092015	3/9/2015	1453h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-028A	TW4-01_03092015	3/9/2015	1443h	Aqueous	Anions, E300.0
1503226-028B	TW4-01_03092015	3/9/2015	1443h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-028C	TW4-01_03092015	3/9/2015	1443h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-029A	MW-04_03092015	3/9/2015	1437h	Aqueous	Anions, E300.0
1503226-029B	MW-04_03092015	3/9/2015	1437h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-029C	MW-04_03092015	3/9/2015	1437h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-030A	MW-26_03092015	3/9/2015	1400h	Aqueous	Anions, E300.0
1503226-030B	MW-26_03092015	3/9/2015	1400h	Aqueous	Nitrite/Nitrate (as N), E353.2

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American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc.
Project: 1st Quarter Chloroform 2015
Lab Set ID: 1503226
Date Received: 3/13/2015 1015h

Contact: Garrin Palmer

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
1503226-030C	MW-26_03092015	3/9/2015	1400h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-031A	TW4-02_03092015	3/9/2015	1427h	Aqueous	Anions, E300.0
1503226-031B	TW4-02_03092015	3/9/2015	1427h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-031C	TW4-02_03092015	3/9/2015	1427h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-032A	TW4-19_03092015	3/9/2015	1200h	Aqueous	Anions, E300.0
1503226-032B	TW4-19_03092015	3/9/2015	1200h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-032C	TW4-19_03092015	3/9/2015	1200h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-033A	TW4-22_03092015	3/9/2015	1336h	Aqueous	Anions, E300.0
1503226-033B	TW4-22_03092015	3/9/2015	1336h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-033C	TW4-22_03092015	3/9/2015	1336h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-034A	TW4-20_03092015	3/9/2015	1350h	Aqueous	Anions, E300.0
1503226-034B	TW4-20_03092015	3/9/2015	1350h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-034C	TW4-20_03092015	3/9/2015	1350h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-035A	TW4-65_03112015	3/11/2015	810h	Aqueous	Anions, E300.0
1503226-035B	TW4-65_03112015	3/11/2015	810h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-035C	TW4-65_03112015	3/11/2015	810h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-036A	TW4-70_03122015	3/12/2015	728h	Aqueous	Anions, E300.0
1503226-036B	TW4-70_03122015	3/12/2015	728h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503226-036C	TW4-70_03122015	3/12/2015	728h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503226-037A	Trip Blank	3/9/2015		Aqueous	VOA by GC/MS Method 8260C/5030C

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Inorganic 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: 1st Quarter Chloroform 2015
Lab Set ID: 1503226

Sample Receipt Information:

Date of Receipt: 3/13/2015
Date(s) of Collection: 3/9 – 3/12/2015
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
1503226-021B	Nitrate-Nitrite (as N)	MS/MSD	Sample matrix interference
1503226-032B	Nitrate-Nitrite (as N)	MSD	Sample matrix interference

Corrective Action: None required.

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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:	1st Quarter Chloroform 2015
Lab Set ID:	1503226

Sample Receipt Information:

Date of Receipt:	3/13/2015
Date(s) of Collection:	3/9 – 3/12/2015
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 (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

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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: 1503226
Project: 1st Quarter Chloroform 2015

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-R76622 Date Analyzed: 03/16/2015 1234h													
Test Code: 300.0-W													
Chloride	4.83	mg/L	E300.0	0.00751	0.100	5.000	0	96.7	90 - 110				
Lab Sample ID: LCS-R76625 Date Analyzed: 03/16/2015 2204h													
Test Code: 300.0-W													
Chloride	4.84	mg/L	E300.0	0.00751	0.100	5.000	0	96.8	90 - 110				
Lab Sample ID: LCS-R76677 Date Analyzed: 03/17/2015 1625h													
Test Code: 300.0-W													
Chloride	4.79	mg/L	E300.0	0.00751	0.100	5.000	0	95.8	90 - 110				
Lab Sample ID: LCS-R76791 Date Analyzed: 03/20/2015 1638h													
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				

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ANALYTICAL LABORATORIES

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503226
Project: 1st Quarter Chloroform 2015

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-R76622 Date Analyzed: 03/16/2015 1217h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00751	0.100								
Lab Sample ID: MB-R76625 Date Analyzed: 03/16/2015 2147h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00751	0.100								
Lab Sample ID: MB-R76677 Date Analyzed: 03/17/2015 1608h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00751	0.100								
Lab Sample ID: MB-R76791 Date Analyzed: 03/20/2015 1636h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503226
Project: 1st Quarter Chloroform 2015

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: 1503226-003AMS Date Analyzed: 03/16/2015 1721h													
Test Code: 300.0-W													
Chloride	99.6	mg/L	E300.0	0.0751	1.00	50.00	50.6	98.0	90 - 110				
Lab Sample ID: 1503226-018AMS Date Analyzed: 03/16/2015 2238h													
Test Code: 300.0-W													
Chloride	5,680	mg/L	E300.0	7.51	100	5,000	944	94.7	90 - 110				
Lab Sample ID: 1503226-021AMS Date Analyzed: 03/17/2015 237h													
Test Code: 300.0-W													
Chloride	92.5	mg/L	E300.0	0.0751	1.00	50.00	44.2	96.5	90 - 110				
Lab Sample ID: 1503226-014AMS Date Analyzed: 03/17/2015 1947h													
Test Code: 300.0-W													
Chloride	804	mg/L	E300.0	0.751	10.0	500.0	310	98.8	90 - 110				
Lab Sample ID: 1503226-001BMS Date Analyzed: 03/20/2015 1641h													
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				
Lab Sample ID: 1503226-011BMS Date Analyzed: 03/20/2015 1817h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	2.21	mg/L	E353.2	0.0167	0.0200	1.000	1.21	100	90 - 110				
Lab Sample ID: 1503226-021BMS Date Analyzed: 03/20/2015 1827h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	3.23	mg/L	E353.2	0.0417	0.0500	1.000	1.91	132	90 - 110				1
Lab Sample ID: 1503226-032BMS Date Analyzed: 03/20/2015 1833h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	9.50	mg/L	E353.2	0.0833	0.100	1.000	8.56	94.0	90 - 110				

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

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Salt Lake City, UT 84119
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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503226
Project: 1st Quarter Chloroform 2015

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: 1503226-003AMSD Date Analyzed: 03/16/2015 1751h													
Test Code: 300.0-W													
Chloride	100	mg/L	E300.0	0.0751	1.00	50.00	50.6	99.7	90 - 110	99.6	0.857	20	
Lab Sample ID: 1503226-018AMSD Date Analyzed: 03/16/2015 2255h													
Test Code: 300.0-W													
Chloride	5,760	mg/L	E300.0	7.51	100	5,000	944	96.3	90 - 110	5680	1.43	20	
Lab Sample ID: 1503226-021AMSD Date Analyzed: 03/17/2015 254h													
Test Code: 300.0-W													
Chloride	91.9	mg/L	E300.0	0.0751	1.00	50.00	44.2	95.2	90 - 110	92.5	0.659	20	
Lab Sample ID: 1503226-014AMSD Date Analyzed: 03/17/2015 2004h													
Test Code: 300.0-W													
Chloride	812	mg/L	E300.0	0.751	10.0	500.0	310	100	90 - 110	804	0.978	20	
Lab Sample ID: 1503226-001BMSD Date Analyzed: 03/20/2015 1642h													
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	1.03	0.777	10	
Lab Sample ID: 1503226-011BMSD Date Analyzed: 03/20/2015 1819h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	2.26	mg/L	E353.2	0.0167	0.0200	1.000	1.21	105	90 - 110	2.21	2.19	10	
Lab Sample ID: 1503226-021BMSD Date Analyzed: 03/20/2015 1829h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	3.23	mg/L	E353.2	0.0417	0.0500	1.000	1.91	132	90 - 110	3.23	0.0929	10	[1]
Lab Sample ID: 1503226-032BMSD Date Analyzed: 03/20/2015 1834h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	9.70	mg/L	E353.2	0.0833	0.100	1.000	8.56	114	90 - 110	9.5	2.12	10	[1]

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

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American West
ANALYTICAL LABORATORIES

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Salt Lake City, UT 84119
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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503226
Project: 1st Quarter Chloroform 2015

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-2 031515A Date Analyzed: 03/15/2015 2226h													
Test Code: 8260-W-DEN100													
Chloroform	21.0	µg/L	SW8260C	0.153	1.00	20.00	0	105	67 - 132				
Methylene chloride	19.2	µg/L	SW8260C	0.172	1.00	20.00	0	96.2	32 - 185				
Surr: 1,2-Dichloroethane-d4	51.4	µg/L	SW8260C			50.00		103	76 - 138				
Surr: 4-Bromofluorobenzene	49.8	µg/L	SW8260C			50.00		99.6	77 - 121				
Surr: Dibromofluoromethane	49.5	µg/L	SW8260C			50.00		99.1	67 - 128				
Surr: Toluene-d8	49.2	µg/L	SW8260C			50.00		98.4	81 - 135				
Lab Sample ID: LCS VOC-2 031615A Date Analyzed: 03/16/2015 741h													
Test Code: 8260-W-DEN100													
Chloroform	22.9	µg/L	SW8260C	0.153	1.00	20.00	0	114	67 - 132				
Methylene chloride	23.4	µg/L	SW8260C	0.172	1.00	20.00	0	117	32 - 185				
Surr: 1,2-Dichloroethane-d4	52.3	µg/L	SW8260C			50.00		105	76 - 138				
Surr: 4-Bromofluorobenzene	50.6	µg/L	SW8260C			50.00		101	77 - 121				
Surr: Dibromofluoromethane	50.7	µg/L	SW8260C			50.00		101	67 - 128				
Surr: Toluene-d8	50.2	µg/L	SW8260C			50.00		100	81 - 135				
Lab Sample ID: LCS VOC-2 031615B Date Analyzed: 03/16/2015 1809h													
Test Code: 8260-W-DEN100													
Chloroform	23.3	µg/L	SW8260C	0.153	1.00	20.00	0	116	67 - 132				
Surr: 1,2-Dichloroethane-d4	52.2	µg/L	SW8260C			50.00		104	76 - 138				
Surr: 4-Bromofluorobenzene	49.5	µg/L	SW8260C			50.00		99.0	77 - 121				
Surr: Dibromofluoromethane	50.0	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-2 031715A Date Analyzed: 03/17/2015 732h													
Test Code: 8260-W-DEN100													
Chloroform	22.0	µg/L	SW8260C	0.153	1.00	20.00	0	110	67 - 132				
Methylene chloride	20.1	µg/L	SW8260C	0.172	1.00	20.00	0	100	32 - 185				
Surr: 1,2-Dichloroethane-d4	51.8	µg/L	SW8260C			50.00		104	76 - 138				

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Salt Lake City, UT 84119
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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503226
Project: 1st Quarter Chloroform 2015

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-2 031715A	Date Analyzed:	03/17/2015 732h											
Test Code: 8260-W-DEN100													
Surr: 4-Bromofluorobenzene	49.7	µg/L	SW8260C			50.00		99.4	77 - 121				
Surr: Dibromofluoromethane	49.8	µg/L	SW8260C			50.00		99.6	67 - 128				
Surr: Toluene-d8	49.0	µg/L	SW8260C			50.00		98.1	81 - 135				

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Kyle F. Gross
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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503226
Project: 1st Quarter Chloroform 2015

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-2 031515A Date Analyzed: 03/15/2015 2305h													
Test Code: 8260-W-DEN100													
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	52.2	µg/L	SW8260C			50.00		104	76 - 138				
Surr: 4-Bromofluorobenzene	51.0	µg/L	SW8260C			50.00		102	77 - 121				
Surr: Dibromofluoromethane	49.0	µg/L	SW8260C			50.00		98.0	67 - 128				
Surr: Toluene-d8	50.0	µg/L	SW8260C			50.00		100	81 - 135				
Lab Sample ID: MB VOC-2 031615A Date Analyzed: 03/16/2015 820h													
Test Code: 8260-W-DEN100													
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	53.1	µg/L	SW8260C			50.00		106	76 - 138				
Surr: 4-Bromofluorobenzene	51.8	µg/L	SW8260C			50.00		104	77 - 121				
Surr: Dibromofluoromethane	49.3	µg/L	SW8260C			50.00		98.7	67 - 128				
Surr: Toluene-d8	49.8	µg/L	SW8260C			50.00		99.7	81 - 135				
Lab Sample ID: MB VOC-2 031615B Date Analyzed: 03/16/2015 1848h													
Test Code: 8260-W-DEN100													
Chloroform	< 1.00	µg/L	SW8260C	0.153	1.00								
Surr: 1,2-Dichloroethane-d4	52.4	µg/L	SW8260C			50.00		105	76 - 138				
Surr: 4-Bromofluorobenzene	51.8	µg/L	SW8260C			50.00		104	77 - 121				
Surr: Dibromofluoromethane	49.2	µg/L	SW8260C			50.00		98.3	67 - 128				
Surr: Toluene-d8	49.6	µg/L	SW8260C			50.00		99.1	81 - 135				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503226
Project: 1st Quarter Chloroform 2015

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-2 031715A	Date Analyzed:	03/17/2015 811h											
Test Code: 8260-W-DEN100													
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	53.4	µg/L	SW8260C			50.00		107	76 - 138				
Surr: 4-Bromofluorobenzene	52.6	µg/L	SW8260C			50.00		105	77 - 121				
Surr: Dibromofluoromethane	49.6	µg/L	SW8260C			50.00		99.2	67 - 128				
Surr: Toluene-d8	50.2	µg/L	SW8260C			50.00		100	81 - 135				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503226
Project: 1st Quarter Chloroform 2015

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: 1503226-001CMS	Date Analyzed:	03/15/2015 2344h											
Test Code: 8260-W-DEN100													
Chloroform	20.3	µg/L	SW8260C	0.153	1.00	20.00	0	101	50 - 146				
Methylene chloride	21.1	µg/L	SW8260C	0.172	1.00	20.00	0	105	30 - 192				
Surr: 1,2-Dichloroethane-d4	52.1	µg/L	SW8260C			50.00		104	72 - 151				
Surr: 4-Bromofluorobenzene	48.9	µg/L	SW8260C			50.00		97.8	80 - 128				
Surr: Dibromofluoromethane	49.8	µg/L	SW8260C			50.00		99.6	80 - 124				
Surr: Toluene-d8	48.8	µg/L	SW8260C			50.00		97.6	77 - 129				
Lab Sample ID: 1503226-021CMS	Date Analyzed:	03/16/2015 958h											
Test Code: 8260-W-DEN100													
Chloroform	153	µg/L	SW8260C	0.153	1.00	20.00	134	97.8	50 - 146				
Methylene chloride	23.6	µg/L	SW8260C	0.172	1.00	20.00	0	118	30 - 192				
Surr: 1,2-Dichloroethane-d4	51.5	µg/L	SW8260C			50.00		103	72 - 151				
Surr: 4-Bromofluorobenzene	49.4	µg/L	SW8260C			50.00		98.9	80 - 128				
Surr: Dibromofluoromethane	48.8	µg/L	SW8260C			50.00		97.5	80 - 124				
Surr: Toluene-d8	48.2	µg/L	SW8260C			50.00		96.3	77 - 129				
Lab Sample ID: 1503266-001AMS	Date Analyzed:	03/16/2015 1928h											
Test Code: 8260-W-DEN100													
Chloroform	19.9	µg/L	SW8260C	0.153	1.00	20.00	0	99.4	50 - 146				
Surr: 1,2-Dichloroethane-d4	52.6	µg/L	SW8260C			50.00		105	72 - 151				
Surr: 4-Bromofluorobenzene	49.2	µg/L	SW8260C			50.00		98.5	80 - 128				
Surr: Dibromofluoromethane	49.6	µg/L	SW8260C			50.00		99.2	80 - 124				
Surr: Toluene-d8	48.6	µg/L	SW8260C			50.00		97.2	77 - 129				
Lab Sample ID: 1503226-035CMS	Date Analyzed:	03/17/2015 929h											
Test Code: 8260-W-DEN100													
Chloroform	108	µg/L	SW8260C	0.765	5.00	100.0	0	108	50 - 146				
Methylene chloride	109	µg/L	SW8260C	0.860	5.00	100.0	0	109	30 - 192				
Surr: 1,2-Dichloroethane-d4	267	µg/L	SW8260C			250.0		107	72 - 151				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503226
Project: 1st Quarter Chloroform 2015

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: 1503226-035CMS	Date Analyzed:	03/17/2015 929h											
Test Code: 8260-W-DEN100													
Surr: 4-Bromofluorobenzene	246	µg/L	SW8260C			250.0		98.4	80 - 128				
Surr: Dibromofluoromethane	250	µg/L	SW8260C			250.0		100	80 - 124				
Surr: Toluene-d8	247	µg/L	SW8260C			250.0		98.8	77 - 129				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503226
Project: 1st Quarter Chloroform 2015

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: 1503226-001CMSD	Date Analyzed:	03/16/2015 003h											
Test Code: 8260-W-DEN100													
Chloroform	22.3	µg/L	SW8260C	0.153	1.00	20.00	0	111	50 - 146	20.3	9.40	25	
Methylene chloride	23.1	µg/L	SW8260C	0.172	1.00	20.00	0	116	30 - 192	21.1	9.19	25	
Surr: 1,2-Dichloroethane-d4	51.7	µg/L	SW8260C			50.00		103	72 - 151				
Surr: 4-Bromofluorobenzene	50.3	µg/L	SW8260C			50.00		101	80 - 128				
Surr: Dibromofluoromethane	49.3	µg/L	SW8260C			50.00		98.6	80 - 124				
Surr: Toluene-d8	48.7	µg/L	SW8260C			50.00		97.4	77 - 129				
Lab Sample ID: 1503226-021CMSD	Date Analyzed:	03/16/2015 1017h											
Test Code: 8260-W-DEN100													
Chloroform	159	µg/L	SW8260C	0.153	1.00	20.00	134	125	50 - 146	153	3.47	25	
Methylene chloride	23.7	µg/L	SW8260C	0.172	1.00	20.00	0	119	30 - 192	23.6	0.634	25	
Surr: 1,2-Dichloroethane-d4	53.0	µg/L	SW8260C			50.00		106	72 - 151				
Surr: 4-Bromofluorobenzene	49.8	µg/L	SW8260C			50.00		99.6	80 - 128				
Surr: Dibromofluoromethane	50.8	µg/L	SW8260C			50.00		102	80 - 124				
Surr: Toluene-d8	49.4	µg/L	SW8260C			50.00		98.7	77 - 129				
Lab Sample ID: 1503266-001AMSD	Date Analyzed:	03/16/2015 1947h											
Test Code: 8260-W-DEN100													
Chloroform	21.8	µg/L	SW8260C	0.153	1.00	20.00	0	109	50 - 146	19.9	9.35	25	
Surr: 1,2-Dichloroethane-d4	53.0	µg/L	SW8260C			50.00		106	72 - 151				
Surr: 4-Bromofluorobenzene	49.6	µg/L	SW8260C			50.00		99.2	80 - 128				
Surr: Dibromofluoromethane	49.5	µg/L	SW8260C			50.00		99.0	80 - 124				
Surr: Toluene-d8	48.5	µg/L	SW8260C			50.00		97.0	77 - 129				
Lab Sample ID: 1503226-035CMSD	Date Analyzed:	03/17/2015 949h											
Test Code: 8260-W-DEN100													
Chloroform	103	µg/L	SW8260C	0.765	5.00	100.0	0	103	50 - 146	108	4.99	25	
Methylene chloride	103	µg/L	SW8260C	0.860	5.00	100.0	0	103	30 - 192	109	4.96	25	
Surr: 1,2-Dichloroethane-d4	264	µg/L	SW8260C			250.0		105	72 - 151				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503226
Project: 1st Quarter Chloroform 2015

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: 1503226-035CMSD	Date Analyzed:	03/17/2015 949h											
Test Code: 8260-W-DEN100													
Surr: 4-Bromofluorobenzene	249	µg/L	SW8260C			250.0		99.4	80 - 128				
Surr: Dibromofluoromethane	248	µg/L	SW8260C			250.0		99.3	80 - 124				
Surr: Toluene-d8	243	µg/L	SW8260C			250.0		97.3	77 - 129				

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American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1503226**

Client: Energy Fuels Resources, Inc.

Due Date: 3/24/2015

Client ID: DEN100

Contact: Garrin Palmer

Project: **1st Quarter Chloroform 2015**

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	
1503226-001A	**TW4-03R_03102015**	3/10/2015 0755h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-001B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-001C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-002A	**TW4-03_03112015**	3/11/2015 0746h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-002B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-002C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-003A	**TW4-12_03112015**	3/11/2015 0757h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-003B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-003C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-004A	**TW4-28_03112015**	3/11/2015 0804h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-004B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-004C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-005A	**TW4-32_03112015**	3/11/2015 0810h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-005B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-005C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				

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WORK ORDER Summary

Work Order: **1503226**

Client: Energy Fuels Resources, Inc.

Due Date: 3/24/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1503226-006A	**TW4-13_03112015**	3/11/2015 0817h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-006B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-006C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-007A	**TW4-36_03112015**	3/11/2015 0823h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-007B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-007C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-008A	**TW4-27_03112015**	3/11/2015 0830h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-008B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-008C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-009A	**TW4-30_03112015**	3/11/2015 0835h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-009B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-009C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-010A	**TW4-31_03112015**	3/11/2015 0841h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-010B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-010C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-011A	**TW4-34_03112015**	3/11/2015 0847h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-011B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-011C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-012A	**TW4-35_03112015**	3/11/2015 0853h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				

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WORK ORDER Summary

Work Order: **1503226**

Client: Energy Fuels Resources, Inc.

Due Date: 3/24/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1503226-012B	**TW4-35_03112015**	3/11/2015 0853h	3/13/2015 1015h	**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*	Aqueous	☑	df - no2/no3	1
1503226-012C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-013A	**TW4-23_03122015**	3/12/2015 0703h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-013B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-013C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-014A	**TW4-25_03092015**	3/9/2015 1300h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-014B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-014C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-015A	**TW4-14_03122015**	3/12/2015 0712h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-015B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-015C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-016A	**TW4-26_03122015**	3/12/2015 0720h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-016B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-016C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-017A	**TW4-05_03122015**	3/12/2015 0728h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-017B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-017C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-018A	**TW4-24_03092015**	3/9/2015 1326h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-018B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	

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WORK ORDER Summary

Work Order: **1503226**

Client: Energy Fuels Resources, Inc.

Due Date: 3/24/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1503226-018C	**TW4-24_03092015**	3/9/2015 1326h	3/13/2015 1015h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-019A	**TW4-18_03122015**	3/12/2015 0738h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-019B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-019C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-020A	**TW4-09_03122015**	3/12/2015 0747h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-020B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-020C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-021A	**TW4-33_03122015**	3/12/2015 0755h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-021B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-021C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-022A	**TW4-08_03122015**	3/12/2015 0803h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-022B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-022C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-023A	**TW4-21_03122015**	3/12/2015 0811h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-023B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-023C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503226-024A	**TW4-29_03122015**	3/12/2015 0821h	3/13/2015 1015h	**300.0-W**	Aqueous	☑	df - wc	1
				1 SEL Analytes: CL				
1503226-024B				**NO2/NO3-W-353.2**		☑	df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503226-024C				**8260-W-DEN100**		☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				

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WORK ORDER Summary

Work Order: **1503226**

Client: Energy Fuels Resources, Inc.

Due Date: 3/24/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1503226-025A	**TW4-16_03122015**	3/12/2015 0830h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-025B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-025C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-026A	**TW4-11_03092015**	3/9/2015 1408h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-026B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-026C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-027A	**TW4-04_03092015**	3/9/2015 1453h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-027B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-027C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-028A	**TW4-01_03092015**	3/9/2015 1443h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-028B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-028C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-029A	**MW-04_03092015**	3/9/2015 1437h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-029B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-029C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-030A	**MW-26_03092015**	3/9/2015 1400h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-030B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-030C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-031A	**TW4-02_03092015**	3/9/2015 1427h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1

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WORK ORDER Summary

Work Order: **1503226**

Client: Energy Fuels Resources, Inc.

Due Date: 3/24/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1503226-031B	**TW4-02_03092015**	3/9/2015 1427h	3/13/2015 1015h	**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*	Aqueous	☑	df - no2/no3	1
1503226-031C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-032A	**TW4-19_03092015**	3/9/2015 1200h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-032B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-032C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-033A	**TW4-22_03092015**	3/9/2015 1336h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-033B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-033C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-034A	**TW4-20_03092015**	3/9/2015 1350h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-034B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-034C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-035A	**TW4-65_03112015**	3/11/2015 0810h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-035B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-035C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-036A	**TW4-70_03122015**	3/12/2015 0728h	3/13/2015 1015h	**300.0-W** *1 SEL Analytes: CL*	Aqueous	☑	df - wc	1
1503226-036B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*		☑	df - no2/no3	
1503226-036C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*		☑	VOCFridge	3
1503226-037A	**Trip Blank**	3/9/2015	3/13/2015 1015h	**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*	Aqueous	☑	VOCFridge	3

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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.

1503226
AWAL Lab Sample Set #
Page 1 of 3

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: 1st Quarter Chloroform 2015
Project #:
PO #:
Sampler Name: Tanner Holliday

X Include EDD:
LOCUS UPLOAD
EXCEL
Field Filtered For:

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)	Known Hazards & Sample Comments
1	TW4-03R_03102015	3/10/2015	755	5	W	X	X	X	
2	TW4-03_03112015	3/11/2015	746	5	W	X	X	X	
3	TW4-12_03112015	3/11/2015	757	5	W	X	X	X	
4	TW4-28_03112015	3/11/2015	804	5	W	X	X	X	
5	TW4-32_03112015	3/11/2015	810	5	W	X	X	X	
6	TW4-13_03112015	3/11/2015	817	5	W	X	X	X	
7	TW4-36_03112015	3/11/2015	823	5	W	X	X	X	
8	TW4-27_03112015	3/11/2015	830	5	W	X	X	X	
9	TW4-30_03112015	3/11/2015	835	5	W	X	X	X	
10	TW4-31_03112015	3/11/2015	841	5	W	X	X	X	
11	TW4-34_03112015	3/11/2015	847	5	W	X	X	X	
12	TW4-35_03112015	3/11/2015	853	5	W	X	X	X	
13	TW4-23_03122015	3/12/2015	703	5	W	X	X	X	

Laboratory Use Only

Samples Were: Fed-X
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 2.9 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by:	Date:	Received by:	Date:
Signature: Garrin Palmer	3/12/15	Signature:	
Print Name: Garrin Palmer	Time: 1200	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Elaine Hayward	Date: 3/13/15
Print Name:	Time:	Print Name: Elaine Hayward	Time: 1015
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

American West
Analytical Laboratories
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.

AWAL Lab Sample Set #
Page 2 of 3

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: 1st Quarter Chloroform 2015
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
14 1	TW4-25_03092015	3/9/2015	1300	5	W	X	X	X	
15 2	TW4-14_03122015	3/12/2015	712	5	W	X	X	X	
16 3	TW4-26_03122015	3/12/2015	720	5	W	X	X	X	
17 4	TW4-05_03122015	3/12/2015	728	5	W	X	X	X	
18 5	TW4-24_03092015	3/9/2015	1326	5	W	X	X	X	
19 6	TW4-18_03122015	3/12/2015	738	5	W	X	X	X	
20 7	TW4-09_03122015	3/12/2015	747	5	W	X	X	X	
21 8	TW4-33_03122015	3/12/2015	755	5	W	X	X	X	
22 9	TW4-08_03122015	3/12/2015	803	5	W	X	X	X	
23 10	TW4-21_03122015	3/12/2015	811	5	W	X	X	X	
24	TW4-29_03122015	3/12/2015	821	5	W	X	X	X	
25	TW4-16_03122015	3/12/2015	830	5	W	X	X	X	
26	TW4-11_03092015	3/9/2015	1408	5	W	X	X	X	

Laboratory Use Only

Samples Were: Fed X
1. Shipped or hand delivered
2. Ambient or Chilled
3. Temperature 2.9 °C
4. Received Broken/Leaking (Improperly Sealed) Y N
5. Properly Preserved Y N Checked at bench Y N
6. Received Within Holding Times Y N

COC Tape Was:
1. Present on Outer Package Y N NA
2. Unbroken on Outer Package Y N NA
3. Present on Sample Y N NA
4. Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature	Date:	Received by: Signature	Date:
Garrin Palmer	3/12/15		
Print Name: Garrin Palmer	Time: 1200	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature Elmer Hayward	Date: 3-13-15
Print Name:	Time:	Print Name: Elmer Hayward	Time: 1015
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

American West
Analytical Laboratories
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.

AWAL Lab Sample Set #
Page 3 of 3

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: 1st Quarter Chloroform 2015
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
27	TW4-04_03092015	3/9/2015	1453	5	W	X	X	X	
28	TW4-01_03092015	3/9/2015	1443	5	W	X	X	X	
29	MW-04_03092015	3/9/2015	1437	5	W	X	X	X	
30	MW-26_03092015	3/9/2015	1400	5	W	X	X	X	
31	TW4-02_03092015	3/9/2015	1427	5	W	X	X	X	
32	TW4-19_03092015	3/9/2015	1200	5	W	X	X	X	
33	TW4-22_03092015	3/9/2015	1336	5	W	X	X	X	
34	TW4-20_03092015	3/9/2015	1350	5	W	X	X	X	
35	TW4-65_03112015	3/11/2015	810	5	W	X	X	X	
36	TW4-70_03122015	3/12/2015	728	5	W	X	X	X	
37	Trip Blank	3/9/2015		3	W			X	
11	Temp Blank								
12									

Laboratory Use Only

Samples Were: Fed-X
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 2.9 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature	Date	Received by: Signature	Date
Garrin Palmer	3/12/15		
Print Name: Garrin Palmer	Time: 1200	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date: 3-13-15
Print Name:	Time:	Print Name: Elena Hayes	Time: 1015
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 1503226
162

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3																		
NO_2 & NO_3	pH <2 H_2SO_4	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved

▲ The Sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference

Lab Set ID: 1503226

2 of 2

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3																		
NO_2 & NO_3	pH <2 H_2SO_4	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved

▲ The Sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference

American West
ANALYTICAL LABORATORIES

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: 1st Quarter Chloroform 2015

Dear Garrin Palmer: Lab Set ID: 1503326

American West Analytical Laboratories received 7 sample(s) on 3/19/2015 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Kyle F. Gross

Digitally signed by Kyle F. Gross
DN: cn=Kyle F. Gross, o=AWAL, ou=AWAL, email=kyle@awal-labs.com, c=US
Date: 2015.03.31 11:55:37 -06'00'

Laboratory Director or designee

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: 1st Quarter Chloroform 2015
Lab Set ID: 1503326
Date Received: 3/19/2015 945h

Contact: Garrin Palmer

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
1503326-001A	TW4-06R_03172015	3/17/2015 930h	Aqueous	Anions, E300.0
1503326-001B	TW4-06R_03172015	3/17/2015 930h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503326-001C	TW4-06R_03172015	3/17/2015 930h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503326-002A	MW-32_03172015	3/17/2015 1400h	Aqueous	Anions, E300.0
1503326-002B	MW-32_03172015	3/17/2015 1400h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503326-002C	MW-32_03172015	3/17/2015 1400h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503326-003A	TW4-06_03182015	3/18/2015 757h	Aqueous	Anions, E300.0
1503326-003B	TW4-06_03182015	3/18/2015 757h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503326-003C	TW4-06_03182015	3/18/2015 757h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503326-004A	TW4-07_03182015	3/18/2015 805h	Aqueous	Anions, E300.0
1503326-004B	TW4-07_03182015	3/18/2015 805h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503326-004C	TW4-07_03182015	3/18/2015 805h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503326-005A	TW4-10_03182015	3/18/2015 812h	Aqueous	Anions, E300.0
1503326-005B	TW4-10_03182015	3/18/2015 812h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503326-005C	TW4-10_03182015	3/18/2015 812h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503326-006A	TW4-60_03172015	3/17/2015 855h	Aqueous	Anions, E300.0
1503326-006B	TW4-60_03172015	3/17/2015 855h	Aqueous	Nitrite/Nitrate (as N), E353.2
1503326-006C	TW4-60_03172015	3/17/2015 855h	Aqueous	VOA by GC/MS Method 8260C/5030C
1503326-007A	Trip Blank	3/17/2015	Aqueous	VOA by GC/MS Method 8260C/5030C

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Inorganic 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: 1st Quarter Chloroform 2015
Lab Set ID: 1503326

Sample Receipt Information:

Date of Receipt: 3/19/2015
Date(s) of Collection: 3/17 – 3/19/2015
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
1503326-001B	Nitrate-Nitrite (as N)	MSD	Sample matrix interference

Corrective Action: None required.

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	1st Quarter Chloroform 2015
Lab Set ID:	1503326

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:	3/19/2015
Date(s) of Collection:	3/17 – 3/19/2015
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 (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

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Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503326
Project: 1st Quarter Chloroform 2015

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-R76798 Date Analyzed: 03/19/2015 1755h													
Test Code: 300.0-W													
Chloride	4.87	mg/L	E300.0	0.00751	0.100	5.000	0	97.4	90 - 110				
Lab Sample ID: LCS NO3-R77035 Date Analyzed: 03/27/2015 1732h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.05	mg/L	E353.2	0.00833	0.0100	1.000	0	105	90 - 110				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503326
Project: 1st Quarter Chloroform 2015

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-R76798 Date Analyzed: 03/19/2015 1738h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00751	0.100								
Lab Sample ID: MB-R77035 Date Analyzed: 03/27/2015 1729h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503326
Project: 1st Quarter Chloroform 2015

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: 1503326-002AMS Date Analyzed: 03/19/2015 2134h													
Test Code: 300.0-W													
Chloride	84.9	mg/L	E300.0	0.0751	1.00	50.00	36.3	97.3	90 - 110				
Lab Sample ID: 1503326-001BMS NO3 Date Analyzed: 03/27/2015 1847h													
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				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503326
Project: 1st Quarter Chloroform 2015

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: 1503326-002AMSD Date Analyzed: 03/19/2015 2151h													
Test Code: 300.0-W													
Chloride	84.2	mg/L	E300.0	0.0751	1.00	50.00	36.3	95.7	90 - 110	84.9	0.905	20	
Lab Sample ID: 1503326-001BMSD NO3 Date Analyzed: 03/27/2015 1849h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.11	mg/L	E353.2	0.00833	0.0100	1.000	0	111	90 - 110	1.06	4.53	10	[1]

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

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503326
Project: 1st Quarter Chloroform 2015

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-2 031915A	Date Analyzed:	03/19/2015 712h											
Test Code: 8260-W-DEN100													
Chloroform	21.4	µg/L	SW8260C	0.153	1.00	20.00	0	107	67 - 132				
Methylene chloride	21.5	µg/L	SW8260C	0.172	1.00	20.00	0	108	32 - 185				
Surr: 1,2-Dichloroethane-d4	51.4	µg/L	SW8260C			50.00		103	76 - 138				
Surr: 4-Bromofluorobenzene	47.2	µg/L	SW8260C			50.00		94.5	77 - 121				
Surr: Dibromofluoromethane	50.6	µg/L	SW8260C			50.00		101	67 - 128				
Surr: Toluene-d8	48.3	µg/L	SW8260C			50.00		96.7	81 - 135				

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

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: 1503326
Project: 1st Quarter Chloroform 2015

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-2 031915A	Date Analyzed:	03/19/2015 751h											
Test Code: 8260-W-DEN100													
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	51.8	µg/L	SW8260C			50.00		104	76 - 138				
Surr: 4-Bromofluorobenzene	47.3	µg/L	SW8260C			50.00		94.6	77 - 121				
Surr: Dibromofluoromethane	49.6	µg/L	SW8260C			50.00		99.2	67 - 128				
Surr: Toluene-d8	48.9	µg/L	SW8260C			50.00		97.8	81 - 135				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503326
Project: 1st Quarter Chloroform 2015

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: 1503326-001CMS	Date Analyzed:	03/19/2015 1343h											
Test Code: 8260-W-DEN100													
Chloroform	23.1	µg/L	SW8260C	0.153	1.00	20.00	0	115	50 - 146				
Methylene chloride	23.2	µg/L	SW8260C	0.172	1.00	20.00	0	116	30 - 192				
Surr: 1,2-Dichloroethane-d4	51.6	µg/L	SW8260C			50.00		103	72 - 151				
Surr: 4-Bromofluorobenzene	45.9	µg/L	SW8260C			50.00		91.8	80 - 128				
Surr: Dibromofluoromethane	49.6	µg/L	SW8260C			50.00		99.2	80 - 124				
Surr: Toluene-d8	47.3	µg/L	SW8260C			50.00		94.6	77 - 129				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1503326
Project: 1st Quarter Chloroform 2015

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: 1503326-001CMSD	Date Analyzed:	03/19/2015 1402h											
Test Code: 8260-W-DEN100													
Chloroform	23.3	µg/L	SW8260C	0.153	1.00	20.00	0	116	50 - 146	23.1	0.907	25	
Methylene chloride	23.4	µg/L	SW8260C	0.172	1.00	20.00	0	117	30 - 192	23.2	0.816	25	
Surr: 1,2-Dichloroethane-d4	51.9	µg/L	SW8260C			50.00		104	72 - 151				
Surr: 4-Bromofluorobenzene	45.8	µg/L	SW8260C			50.00		91.6	80 - 128				
Surr: Dibromofluoromethane	49.9	µg/L	SW8260C			50.00		99.7	80 - 124				
Surr: Toluene-d8	47.1	µg/L	SW8260C			50.00		94.2	77 - 129				

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UL
Denison

WORK ORDER Summary

Work Order: **1503326**

Client: Energy Fuels Resources, Inc.

Due Date: 3/30/2015

Client ID: DEN100

Contact: Garrin Palmer

Project: **1st Quarter Chloroform 2015**

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	
1503326-001A	**TW4-06R_03172015**	3/17/2015 0930h	3/19/2015 0945h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1503326-001B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1503326-001C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1503326-002A	**MW-32_03172015**	3/17/2015 1400h	3/19/2015 0945h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1503326-002B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1503326-002C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1503326-003A	**TW4-06_03182015**	3/18/2015 0757h	3/19/2015 0945h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1503326-003B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1503326-003C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1503326-004A	**TW4-07_03182015**	3/18/2015 0805h	3/19/2015 0945h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1503326-004B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1503326-004C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3
1503326-005A	**TW4-10_03182015**	3/18/2015 0812h	3/19/2015 0945h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df - wc	1
1503326-005B				**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*			df - no2/no3	
1503326-005C				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4*			VOCFridge	3

Printed: 3/19/2015 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed 3/19/15

WORK ORDER Summary

Work Order: **1503326**

Client: Energy Fuels Resources, Inc.

Due Date: 3/30/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1503326-006A	**TW4-60_03172015**	3/17/2015 0855h	3/19/2015 0945h	**300.0-W**	Aqueous		df - wc	1
				1 SEL Analytes: CL				
1503326-006B				**NO2/NO3-W-353.2**			df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1503326-006C				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				
1503326-007A	**Trip Blank**	3/17/2015	3/19/2015 0945h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4				

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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.

1503326
AWAL Lab Sample Set #
Page 1 of 1

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: 1st Quarter chloroform 2015
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	TW4-06R_03172015	3/17/2015	930	5	w	X	X	X	
2	MW-32_03172015	3/17/2015	1400	5	w	X	X	X	
3	TW4-06_03182015	3/18/2015	757	5	w	X	X	X	
4	TW4-07_03182015	3/18/2015	805	5	w	X	X	X	
5	TW4-10_03182015	3/18/2015	812	5	w	X	X	X	
6	TW4-60_03172015	3/17/2015	855	5	w	X	X	X	
7	TRIP BLANK	3/17/2015		3	w			X	
8	TEMP BLANK	3/18/2015		1	W				
9									
10									
11									
12									

Laboratory Use Only

Samples Were: Fed-X
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 3.4 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature	Date	Time	Received by: Signature	Date	Time
Tanner Holliday	3/18/2015	1030			
Print Name: Tanner Holliday			Print Name:		
Relinquished by: Signature	Date:	Time:	Received by: Signature	Date: 3-19-15	Time: 945
Print Name:			Print Name: Elma Hyd		
Relinquished by: Signature	Date:	Time:	Received by: Signature	Date:	Time:
Print Name:			Print Name:		
Relinquished by: Signature	Date:	Time:	Received by: Signature	Date:	Time:
Print Name:			Print Name:		

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 1503326

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6												
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3																		
NO_2 & NO_3	pH <2 H_2SO_4	Yes	Yes	Yes	Yes	Yes	Yes												
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved

▲ The Sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference

Tab I

Quality Assurance and Data Validation Tables

I-1: Field QA/QC Evaluation

Location	1x Casing Volume	Volume Pumped	2x Casing Volume	Volume Check	Conductivity		RPD	pH		RPD	Temp		RPD	Redox Potential		RPD	Turbidity		RPD
MW-4	NA	Continuously pumped well	--		1910		N/A	6.64		N/A	14.93		N/A	184		N/A	9.0		N/A
TW4-01	NA	Continuously pumped well	--		2155		N/A	6.30		N/A	14.66		N/A	187		N/A	0.0		N/A
TW4-02	NA	Continuously pumped well	--		3522		N/A	6.32		N/A	15.28		N/A	193		N/A	0.0		N/A
TW4-03	56.06	85.25	112	Pumped Dry	1616	1620	0.25	5.80	5.84	0.69	14.23	14.28	0.35	NM		NC	NM		NC
TW4-04	NA	Continuously pumped well	--		2283		N/A	6.27		N/A	15.38		N/A	208		N/A	0.0		N/A
TW4-05	37.03	99.00	74	OK	1464	1463	0.07	6.10	6.10	0.00	15.33	15.34	0.07	218	217	0.46	12.9	12.9	0.00
TW4-06	17.61	25.66	35	Pumped Dry	3073	3070	0.10	6.19	6.21	0.32	15.16	15.15	0.07	NM		NC	NM		NC
TW4-07	31.03	60.50	62	Pumped Dry	1626	1618	0.49	6.67	6.67	0.00	14.51	14.47	0.28	NM		NC	NM		NC
TW4-08	32.94	66.00	66	OK	4474	4461	0.29	6.16	6.17	0.16	15.01	15.01	0.00	228	228	0.00	12.3	12.3	0.00
TW4-09	38.34	88.00	77	OK	2413	2411	0.08	6.02	6.02	0.00	15.02	15.02	0.00	218	217	0.46	10.5	10.6	0.95
TW4-10	32.66	49.50	65	Pumped Dry	2558	2560	0.08	6.42	6.39	0.47	14.36	14.36	0.00	NM		NC	NM		NC
TW4-11	NA	Continuously pumped well	--		3072		N/A	6.47		N/A	14.91		N/A	144		N/A	0.0		N/A
TW4-12	37.29	57.75	75	Pumped Dry	1322	1323	0.08	6.50	6.52	0.31	13.69	13.76	0.51	NM		NC	NM		NC
TW4-13	34.35	49.50	69	Pumped Dry	1808	1818	0.55	6.58	6.58	0.00	13.00	13.06	0.46	NM		NC	NM		NC
TW4-14	7.15	11.00	14	Pumped Dry	4846	4897	1.05	6.79	6.77	0.29	14.93	14.90	0.20	NM		NC	NM		NC
MW-26	NA	Continuously pumped well	--		3391		N/A	6.29		N/A	15.56		N/A	189		N/A	0.0		N/A
TW4-16	50.16	110.00	100	OK	3643	3634	0.25	6.11	6.11	0.00	14.86	14.85	0.07	230	229	0.44	27.0	28.0	3.64
MW-32	35.19	71.61	70	OK	3815	3815	0.00	6.05	6.04	0.17	14.80	14.78	0.14	218	212	2.79	27.0	28.0	3.64
TW4-18	47.85	110.00	96	OK	1597	1594	0.19	5.95	5.96	0.17	15.48	15.48	0.00	218	217	0.46	32	32	0.00
TW4-19	NA	Continuously pumped well	--		2966		N/A	6.30		N/A	14.95		N/A	309		N/A	0		N/A
TW4-20	NA	Continuously pumped well	--		3938		N/A	6.21		N/A	15.98		N/A	211		N/A	0.0		N/A
TW4-21	38.72	99.00	77	OK	4260	4260	0.00	6.19	6.19	0.00	16.32	16.30	0.12	209	209	0.00	0	0	0.00
TW4-22	NA	Continuously pumped well	--		6073		N/A	6.28		N/A	15.25		N/A	200		N/A	0		N/A
TW4-23	30.16	77.00	60	OK	3610	3607	0.08	6.04	6.07	0.50	14.25	14.25	0.00	204	201	1.48	8.2	8.2	0.00
TW4-24	NA	Continuously pumped well	--		7593		N/A	6.24		N/A	15.61		N/A	220		N/A	0		N/A
TW4-25	NA	Continuously pumped well	--		2891		N/A	6.56		N/A	15.00		N/A	149		N/A	0		N/A
TW4-26	13.59	16.50	27	Pumped Dry	6351	6370	0.30	4.49	4.47	0.45	13.98	13.99	0.07	NM		NC	NM		NC
TW4-27	10.36	11.00	21	Pumped Dry	5072	5093	0.41	6.50	6.47	0.46	13.03	13.01	0.15	NM		NC	NM		NC
TW4-28	44.59	71.50	89	Pumped Dry	1227	1226	0.08	6.58	6.60	0.30	13.58	13.60	0.15	NM		NC	NM		NC
TW4-29	13.45	16.50	27	Pumped Dry	4164	4172	0.19	6.46	6.47	0.15	13.73	13.74	0.07	NM		NC	NM		NC
TW4-30	10.51	13.75	21	Pumped Dry	4303	4300	0.07	5.70	5.66	0.70	13.05	13.06	0.08	NM		NC	NM		NC
TW4-31	16.25	19.25	33	Pumped Dry	4746	4746	0.00	5.80	5.82	0.34	12.95	13.00	0.39	NM		NC	NM		NC
TW4-32	42.34	88.00	85	OK	7493	7510	0.23	3.36	3.35	0.30	14.70	14.69	0.07	371	371	0.00	8.2	8.1	1.23
TW4-33	10.70	11.00	21	Pumped Dry	4439	4446	0.16	5.56	5.61	0.90	13.77	13.71	0.44	NM		NC	NM		NC
TW4-34	17.30	27.50	35	Pumped Dry	3866	3870	0.10	6.38	6.35	0.47	12.69	12.75	0.47	NM		NC	NM		NC
TW4-35	8.71	11.00	17	Pumped Dry	4312	4324	0.28	6.33	6.27	0.95	13.40	13.41	0.07	NM		NC	NM		NC
TW4-36	27.58	33.00	55	Pumped Dry	2280	2289	0.39	6.50	6.49	0.15	12.97	13.01	0.31	NM		NC	NM		NC

MW-4, TW4-01, TW4-02, TW4-4, TW4-11, 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.

TW4-03, TW4-06, TW4-07, TW4-10, TW4-12, 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	3/9/2015	3/17/2015	8	14	OK
Trip Blank	Chloroform	3/9/2015	3/17/2015	8	14	OK
Trip Blank	Chloromethane	3/9/2015	3/17/2015	8	14	OK
Trip Blank	Methylene chloride	3/9/2015	3/17/2015	8	14	OK
Trip Blank	Carbon tetrachloride	3/17/2015	3/19/2015	2	14	OK
Trip Blank	Chloroform	3/17/2015	3/19/2015	2	14	OK
Trip Blank	Chloromethane	3/17/2015	3/19/2015	2	14	OK
Trip Blank	Methylene chloride	3/17/2015	3/19/2015	2	14	OK
MW-04	Chloride	3/9/2015	3/17/2015	8	28	OK
MW-04	Carbon tetrachloride	3/9/2015	3/16/2015	7	14	OK
MW-04	Chloroform	3/9/2015	3/16/2015	7	14	OK
MW-04	Chloromethane	3/9/2015	3/16/2015	7	14	OK
MW-04	Methylene chloride	3/9/2015	3/16/2015	7	14	OK
MW-04	Nitrate/Nitrite (as N)	3/9/2015	3/20/2015	11	28	OK
TW4-01	Chloride	3/9/2015	3/17/2015	8	28	OK
TW4-01	Carbon tetrachloride	3/9/2015	3/16/2015	7	14	OK
TW4-01	Chloroform	3/9/2015	3/16/2015	7	14	OK
TW4-01	Chloromethane	3/9/2015	3/16/2015	7	14	OK
TW4-01	Methylene chloride	3/9/2015	3/16/2015	7	14	OK
TW4-01	Nitrate/Nitrite (as N)	3/9/2015	3/20/2015	11	28	OK
TW4-02	Chloride	3/9/2015	3/17/2015	8	28	OK
TW4-02	Carbon tetrachloride	3/9/2015	3/16/2015	7	14	OK
TW4-02	Chloroform	3/9/2015	3/17/2015	8	14	OK
TW4-02	Chloromethane	3/9/2015	3/16/2015	7	14	OK
TW4-02	Methylene chloride	3/9/2015	3/16/2015	7	14	OK
TW4-02	Nitrate/Nitrite (as N)	3/9/2015	3/20/2015	11	28	OK
TW4-03	Chloride	3/11/2015	3/16/2015	5	28	OK
TW4-03	Carbon tetrachloride	3/11/2015	3/16/2015	5	14	OK
TW4-03	Chloroform	3/11/2015	3/16/2015	5	14	OK
TW4-03	Chloromethane	3/11/2015	3/16/2015	5	14	OK
TW4-03	Methylene chloride	3/11/2015	3/16/2015	5	14	OK
TW4-03	Nitrate/Nitrite (as N)	3/11/2015	3/20/2015	9	28	OK
TW4-03R	Chloride	3/10/2015	3/16/2015	6	28	OK
TW4-03R	Carbon tetrachloride	3/10/2015	3/15/2015	5	14	OK
TW4-03R	Chloroform	3/10/2015	3/15/2015	5	14	OK
TW4-03R	Chloromethane	3/10/2015	3/15/2015	5	14	OK
TW4-03R	Methylene chloride	3/10/2015	3/15/2015	5	14	OK
TW4-03R	Nitrate/Nitrite (as N)	3/10/2015	3/20/2015	10	28	OK
TW4-04	Chloride	3/9/2015	3/17/2015	8	28	OK
TW4-04	Carbon tetrachloride	3/9/2015	3/16/2015	7	14	OK
TW4-04	Chloroform	3/9/2015	3/16/2015	7	14	OK
TW4-04	Chloromethane	3/9/2015	3/16/2015	7	14	OK
TW4-04	Methylene chloride	3/9/2015	3/16/2015	7	14	OK
TW4-04	Nitrate/Nitrite (as N)	3/9/2015	3/20/2015	11	28	OK
TW4-05	Chloride	3/12/2015	3/17/2015	5	28	OK
TW4-05	Carbon tetrachloride	3/12/2015	3/16/2015	4	14	OK
TW4-05	Chloroform	3/12/2015	3/16/2015	4	14	OK
TW4-05	Chloromethane	3/12/2015	3/16/2015	4	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-05	Methylene chloride	3/12/2015	3/16/2015	4	14	OK
TW4-05	Nitrate/Nitrite (as N)	3/12/2015	3/20/2015	8	28	OK
TW4-06	Chloride	3/18/2015	3/19/2015	1	28	OK
TW4-06	Carbon tetrachloride	3/18/2015	3/19/2015	1	14	OK
TW4-06	Chloroform	3/18/2015	3/19/2015	1	14	OK
TW4-06	Chloromethane	3/18/2015	3/19/2015	1	14	OK
TW4-06	Methylene chloride	3/18/2015	3/19/2015	1	14	OK
TW4-06	Nitrate/Nitrite (as N)	3/18/2015	3/27/2015	9	28	OK
TW4-06R	Chloride	3/17/2015	3/19/2015	2	28	OK
TW4-06R	Carbon tetrachloride	3/17/2015	3/19/2015	2	14	OK
TW4-06R	Chloroform	3/17/2015	3/19/2015	2	14	OK
TW4-06R	Chloromethane	3/17/2015	3/19/2015	2	14	OK
TW4-06R	Methylene chloride	3/17/2015	3/19/2015	2	14	OK
TW4-06R	Nitrate/Nitrite (as N)	3/17/2015	3/27/2015	10	28	OK
TW4-07	Chloride	3/18/2015	3/19/2015	1	28	OK
TW4-07	Carbon tetrachloride	3/18/2015	3/19/2015	1	14	OK
TW4-07	Chloroform	3/18/2015	3/19/2015	1	14	OK
TW4-07	Chloromethane	3/18/2015	3/19/2015	1	14	OK
TW4-07	Methylene chloride	3/18/2015	3/19/2015	1	14	OK
TW4-07	Nitrate/Nitrite (as N)	3/18/2015	3/27/2015	9	28	OK
TW4-08	Chloride	3/12/2015	3/17/2015	5	28	OK
TW4-08	Carbon tetrachloride	3/12/2015	3/16/2015	4	14	OK
TW4-08	Chloroform	3/12/2015	3/16/2015	4	14	OK
TW4-08	Chloromethane	3/12/2015	3/16/2015	4	14	OK
TW4-08	Methylene chloride	3/12/2015	3/16/2015	4	14	OK
TW4-08	Nitrate/Nitrite (as N)	3/12/2015	3/20/2015	8	28	OK
TW4-09	Chloride	3/12/2015	3/17/2015	5	28	OK
TW4-09	Carbon tetrachloride	3/12/2015	3/16/2015	4	14	OK
TW4-09	Chloroform	3/12/2015	3/16/2015	4	14	OK
TW4-09	Chloromethane	3/12/2015	3/16/2015	4	14	OK
TW4-09	Methylene chloride	3/12/2015	3/16/2015	4	14	OK
TW4-09	Nitrate/Nitrite (as N)	3/12/2015	3/20/2015	8	28	OK
TW4-10	Chloride	3/18/2015	3/19/2015	1	28	OK
TW4-10	Carbon tetrachloride	3/18/2015	3/19/2015	1	14	OK
TW4-10	Chloroform	3/18/2015	3/19/2015	1	14	OK
TW4-10	Chloromethane	3/18/2015	3/19/2015	1	14	OK
TW4-10	Methylene chloride	3/18/2015	3/19/2015	1	14	OK
TW4-10	Nitrate/Nitrite (as N)	3/18/2015	3/27/2015	9	28	OK
TW4-11	Chloride	3/9/2015	3/17/2015	8	28	OK
TW4-11	Carbon tetrachloride	3/9/2015	3/16/2015	7	14	OK
TW4-11	Chloroform	3/9/2015	3/16/2015	7	14	OK
TW4-11	Chloromethane	3/9/2015	3/16/2015	7	14	OK
TW4-11	Methylene chloride	3/9/2015	3/16/2015	7	14	OK
TW4-11	Nitrate/Nitrite (as N)	3/9/2015	3/20/2015	11	28	OK
TW4-12	Chloride	3/11/2015	3/16/2015	5	28	OK
TW4-12	Carbon tetrachloride	3/11/2015	3/16/2015	5	14	OK
TW4-12	Chloroform	3/11/2015	3/16/2015	5	14	OK
TW4-12	Chloromethane	3/11/2015	3/16/2015	5	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-12	Methylene chloride	3/11/2015	3/16/2015	5	14	OK
TW4-12	Nitrate/Nitrite (as N)	3/11/2015	3/20/2015	9	28	OK
TW4-13	Chloride	3/11/2015	3/16/2015	5	28	OK
TW4-13	Carbon tetrachloride	3/11/2015	3/16/2015	5	14	OK
TW4-13	Chloroform	3/11/2015	3/16/2015	5	14	OK
TW4-13	Chloromethane	3/11/2015	3/16/2015	5	14	OK
TW4-13	Methylene chloride	3/11/2015	3/16/2015	5	14	OK
TW4-13	Nitrate/Nitrite (as N)	3/11/2015	3/20/2015	9	28	OK
TW4-14	Chloride	3/12/2015	3/17/2015	5	28	OK
TW4-14	Carbon tetrachloride	3/12/2015	3/16/2015	4	14	OK
TW4-14	Chloroform	3/12/2015	3/16/2015	4	14	OK
TW4-14	Chloromethane	3/12/2015	3/16/2015	4	14	OK
TW4-14	Methylene chloride	3/12/2015	3/16/2015	4	14	OK
TW4-14	Nitrate/Nitrite (as N)	3/12/2015	3/20/2015	8	28	OK
MW-26	Chloride	3/9/2015	3/17/2015	8	28	OK
MW-26	Carbon tetrachloride	3/9/2015	3/16/2015	7	14	OK
MW-26	Chloroform	3/9/2015	3/17/2015	8	14	OK
MW-26	Chloromethane	3/9/2015	3/16/2015	7	14	OK
MW-26	Methylene chloride	3/9/2015	3/16/2015	7	14	OK
MW-26	Nitrate/Nitrite (as N)	3/9/2015	3/20/2015	11	28	OK
TW4-16	Chloride	3/12/2015	3/17/2015	5	28	OK
TW4-16	Carbon tetrachloride	3/12/2015	3/16/2015	4	14	OK
TW4-16	Chloroform	3/12/2015	3/16/2015	4	14	OK
TW4-16	Chloromethane	3/12/2015	3/16/2015	4	14	OK
TW4-16	Methylene chloride	3/12/2015	3/16/2015	4	14	OK
TW4-16	Nitrate/Nitrite (as N)	3/12/2015	3/20/2015	8	28	OK
MW-32	Chloride	3/17/2015	3/19/2015	2	28	OK
MW-32	Carbon tetrachloride	3/17/2015	3/19/2015	2	14	OK
MW-32	Chloroform	3/17/2015	3/19/2015	2	14	OK
MW-32	Chloromethane	3/17/2015	3/19/2015	2	14	OK
MW-32	Methylene chloride	3/17/2015	3/19/2015	2	14	OK
MW-32	Nitrate/Nitrite (as N)	3/17/2015	3/27/2015	10	28	OK
TW4-18	Chloride	3/12/2015	3/17/2015	5	28	OK
TW4-18	Carbon tetrachloride	3/12/2015	3/16/2015	4	14	OK
TW4-18	Chloroform	3/12/2015	3/16/2015	4	14	OK
TW4-18	Chloromethane	3/12/2015	3/16/2015	4	14	OK
TW4-18	Methylene chloride	3/12/2015	3/16/2015	4	14	OK
TW4-18	Nitrate/Nitrite (as N)	3/12/2015	3/20/2015	8	28	OK
TW4-19	Chloride	3/9/2015	3/17/2015	8	28	OK
TW4-19	Carbon tetrachloride	3/9/2015	3/16/2015	7	14	OK
TW4-19	Chloroform	3/9/2015	3/17/2015	8	14	OK
TW4-19	Chloromethane	3/9/2015	3/16/2015	7	14	OK
TW4-19	Methylene chloride	3/9/2015	3/16/2015	7	14	OK
TW4-19	Nitrate/Nitrite (as N)	3/9/2015	3/20/2015	11	28	OK
TW4-20	Chloride	3/9/2015	3/17/2015	8	28	OK
TW4-20	Carbon tetrachloride	3/9/2015	3/16/2015	7	14	OK
TW4-20	Chloroform	3/9/2015	3/17/2015	8	14	OK
TW4-20	Chloromethane	3/9/2015	3/16/2015	7	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-20	Methylene chloride	3/9/2015	3/16/2015	7	14	OK
TW4-20	Nitrate/Nitrite (as N)	3/9/2015	3/20/2015	11	28	OK
TW4-21	Chloride	3/12/2015	3/16/2015	4	28	OK
TW4-21	Carbon tetrachloride	3/12/2015	3/16/2015	4	14	OK
TW4-21	Chloroform	3/12/2015	3/16/2015	4	14	OK
TW4-21	Chloromethane	3/12/2015	3/16/2015	4	14	OK
TW4-21	Methylene chloride	3/12/2015	3/16/2015	4	14	OK
TW4-21	Nitrate/Nitrite (as N)	3/12/2015	3/20/2015	8	28	OK
TW4-22	Chloride	3/9/2015	3/17/2015	8	28	OK
TW4-22	Carbon tetrachloride	3/9/2015	3/16/2015	7	14	OK
TW4-22	Chloroform	3/9/2015	3/17/2015	8	14	OK
TW4-22	Chloromethane	3/9/2015	3/16/2015	7	14	OK
TW4-22	Methylene chloride	3/9/2015	3/16/2015	7	14	OK
TW4-22	Nitrate/Nitrite (as N)	3/9/2015	3/20/2015	11	28	OK
TW4-23	Chloride	3/12/2015	3/16/2015	4	28	OK
TW4-23	Carbon tetrachloride	3/12/2015	3/16/2015	4	14	OK
TW4-23	Chloroform	3/12/2015	3/16/2015	4	14	OK
TW4-23	Chloromethane	3/12/2015	3/16/2015	4	14	OK
TW4-23	Methylene chloride	3/12/2015	3/16/2015	4	14	OK
TW4-23	Nitrate/Nitrite (as N)	3/12/2015	3/20/2015	8	28	OK
TW4-24	Chloride	3/9/2015	3/17/2015	8	28	OK
TW4-24	Carbon tetrachloride	3/9/2015	3/16/2015	7	14	OK
TW4-24	Chloroform	3/9/2015	3/16/2015	7	14	OK
TW4-24	Chloromethane	3/9/2015	3/16/2015	7	14	OK
TW4-24	Methylene chloride	3/9/2015	3/16/2015	7	14	OK
TW4-24	Nitrate/Nitrite (as N)	3/9/2015	3/20/2015	11	28	OK
TW4-25	Chloride	3/9/2015	3/17/2015	8	28	OK
TW4-25	Carbon tetrachloride	3/9/2015	3/16/2015	7	14	OK
TW4-25	Chloroform	3/9/2015	3/16/2015	7	14	OK
TW4-25	Chloromethane	3/9/2015	3/16/2015	7	14	OK
TW4-25	Methylene chloride	3/9/2015	3/16/2015	7	14	OK
TW4-25	Nitrate/Nitrite (as N)	3/9/2015	3/20/2015	11	28	OK
TW4-26	Chloride	3/12/2015	3/17/2015	5	28	OK
TW4-26	Carbon tetrachloride	3/12/2015	3/16/2015	4	14	OK
TW4-26	Chloroform	3/12/2015	3/16/2015	4	14	OK
TW4-26	Chloromethane	3/12/2015	3/16/2015	4	14	OK
TW4-26	Methylene chloride	3/12/2015	3/16/2015	4	14	OK
TW4-26	Nitrate/Nitrite (as N)	3/12/2015	3/20/2015	8	28	OK
TW4-27	Chloride	3/11/2015	3/16/2015	5	28	OK
TW4-27	Carbon tetrachloride	3/11/2015	3/16/2015	5	14	OK
TW4-27	Chloroform	3/11/2015	3/16/2015	5	14	OK
TW4-27	Chloromethane	3/11/2015	3/16/2015	5	14	OK
TW4-27	Methylene chloride	3/11/2015	3/16/2015	5	14	OK
TW4-27	Nitrate/Nitrite (as N)	3/11/2015	3/20/2015	9	28	OK
TW4-28	Chloride	3/11/2015	3/16/2015	5	28	OK
TW4-28	Carbon tetrachloride	3/11/2015	3/16/2015	5	14	OK
TW4-28	Chloroform	3/11/2015	3/16/2015	5	14	OK
TW4-28	Chloromethane	3/11/2015	3/16/2015	5	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-28	Methylene chloride	3/11/2015	3/16/2015	5	14	OK
TW4-28	Nitrate/Nitrite (as N)	3/11/2015	3/20/2015	9	28	OK
TW4-29	Chloride	3/12/2015	3/17/2015	5	28	OK
TW4-29	Carbon tetrachloride	3/12/2015	3/16/2015	4	14	OK
TW4-29	Chloroform	3/12/2015	3/16/2015	4	14	OK
TW4-29	Chloromethane	3/12/2015	3/16/2015	4	14	OK
TW4-29	Methylene chloride	3/12/2015	3/16/2015	4	14	OK
TW4-29	Nitrate/Nitrite (as N)	3/12/2015	3/20/2015	8	28	OK
TW4-30	Chloride	3/11/2015	3/16/2015	5	28	OK
TW4-30	Carbon tetrachloride	3/11/2015	3/16/2015	5	14	OK
TW4-30	Chloroform	3/11/2015	3/16/2015	5	14	OK
TW4-30	Chloromethane	3/11/2015	3/16/2015	5	14	OK
TW4-30	Methylene chloride	3/11/2015	3/16/2015	5	14	OK
TW4-30	Nitrate/Nitrite (as N)	3/11/2015	3/20/2015	9	28	OK
TW4-31	Chloride	3/11/2015	3/16/2015	5	28	OK
TW4-31	Carbon tetrachloride	3/11/2015	3/16/2015	5	14	OK
TW4-31	Chloroform	3/11/2015	3/16/2015	5	14	OK
TW4-31	Chloromethane	3/11/2015	3/16/2015	5	14	OK
TW4-31	Methylene chloride	3/11/2015	3/16/2015	5	14	OK
TW4-31	Nitrate/Nitrite (as N)	3/11/2015	3/20/2015	9	28	OK
TW4-32	Chloride	3/11/2015	3/16/2015	5	28	OK
TW4-32	Carbon tetrachloride	3/11/2015	3/16/2015	5	14	OK
TW4-32	Chloroform	3/11/2015	3/16/2015	5	14	OK
TW4-32	Chloromethane	3/11/2015	3/16/2015	5	14	OK
TW4-32	Methylene chloride	3/11/2015	3/16/2015	5	14	OK
TW4-32	Nitrate/Nitrite (as N)	3/11/2015	3/20/2015	9	28	OK
TW4-33	Chloride	3/12/2015	3/17/2015	5	28	OK
TW4-33	Carbon tetrachloride	3/12/2015	3/16/2015	4	14	OK
TW4-33	Chloroform	3/12/2015	3/16/2015	4	14	OK
TW4-33	Chloromethane	3/12/2015	3/16/2015	4	14	OK
TW4-33	Methylene chloride	3/12/2015	3/16/2015	4	14	OK
TW4-33	Nitrate/Nitrite (as N)	3/12/2015	3/20/2015	8	28	OK
TW4-34	Chloride	3/11/2015	3/16/2015	5	28	OK
TW4-34	Carbon tetrachloride	3/11/2015	3/16/2015	5	14	OK
TW4-34	Chloroform	3/11/2015	3/16/2015	5	14	OK
TW4-34	Chloromethane	3/11/2015	3/16/2015	5	14	OK
TW4-34	Methylene chloride	3/11/2015	3/16/2015	5	14	OK
TW4-34	Nitrate/Nitrite (as N)	3/11/2015	3/20/2015	9	28	OK
TW4-35	Chloride	3/11/2015	3/16/2015	5	28	OK
TW4-35	Carbon tetrachloride	3/11/2015	3/16/2015	5	14	OK
TW4-35	Chloroform	3/11/2015	3/16/2015	5	14	OK
TW4-35	Chloromethane	3/11/2015	3/16/2015	5	14	OK
TW4-35	Methylene chloride	3/11/2015	3/16/2015	5	14	OK
TW4-35	Nitrate/Nitrite (as N)	3/11/2015	3/20/2015	9	28	OK
TW4-36	Chloride	3/11/2015	3/16/2015	5	28	OK
TW4-36	Carbon tetrachloride	3/11/2015	3/16/2015	5	14	OK
TW4-36	Chloroform	3/11/2015	3/16/2015	5	14	OK
TW4-36	Chloromethane	3/11/2015	3/16/2015	5	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-36	Methylene chloride	3/11/2015	3/16/2015	5	14	OK
TW4-36	Nitrate/Nitrite (as N)	3/11/2015	3/20/2015	9	28	OK
TW4-60	Chloride	3/17/2015	3/19/2015	2	28	OK
TW4-60	Carbon tetrachloride	3/17/2015	3/19/2015	2	14	OK
TW4-60	Chloroform	3/17/2015	3/19/2015	2	14	OK
TW4-60	Chloromethane	3/17/2015	3/19/2015	2	14	OK
TW4-60	Methylene chloride	3/17/2015	3/19/2015	2	14	OK
TW4-60	Nitrate/Nitrite (as N)	3/17/2015	3/27/2015	10	28	OK
TW4-65	Chloride	3/11/2015	3/17/2015	6	28	OK
TW4-65	Carbon tetrachloride	3/11/2015	3/17/2015	6	14	OK
TW4-65	Chloroform	3/11/2015	3/17/2015	6	14	OK
TW4-65	Chloromethane	3/11/2015	3/17/2015	6	14	OK
TW4-65	Methylene chloride	3/11/2015	3/17/2015	6	14	OK
TW4-65	Nitrate/Nitrite (as N)	3/11/2015	3/20/2015	9	28	OK
TW4-70	Chloride	3/12/2015	3/17/2015	5	28	OK
TW4-70	Carbon tetrachloride	3/12/2015	3/17/2015	5	14	OK
TW4-70	Chloroform	3/12/2015	3/17/2015	5	14	OK
TW4-70	Chloromethane	3/12/2015	3/17/2015	5	14	OK
TW4-70	Methylene chloride	3/12/2015	3/17/2015	5	14	OK
TW4-70	Nitrate/Nitrite (as N)	3/12/2015	3/20/2015	8	28	OK

Table I-3 Recipt Temperature Check

Sample Batch	Wells in Batch	Temperature
1503226	MW-04, MW-26, TW4-01, TW4-02, TW4-03, TW4-03R, TW4-04, TW4-05, TW4-08, TW4-09, TW4-11, TW4-12, TW4-13, TW4-14, TW4-16, TW4-18, TW4-19, TW4-20, TW4-21, TW4-22, TW4-23, TW4-24, TW4-25, TW4-26, TW4-27, TW4-28, TW4-29, TW4-30, TW4-31, TW4-32, TW4-33, TW4-34, TW4-35, TW4-36, TW4-65, TW4-70	2.9 °C
1503326	MW-32, TW4-06, TW4-06R, TW4-07, TW4-10, TW4-60	3.4 °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		1	1	OK
MW-04	Chloroform	20	ug/L		20	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
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		1	1	OK
TW4-04	Chloroform	50	ug/L		50	1	OK
TW4-04	Chloromethane	1	ug/L	U	1	1	OK
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

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
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	20	ug/L		20	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
TW4-06R	Chloride	1	mg/L	U	1	1	OK
TW4-06R	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-06R	Chloroform	1	ug/L	U	1	1	OK
TW4-06R	Chloromethane	1	ug/L	U	1	1	OK
TW4-06R	Methylene chloride	1	ug/L	U	1	1	OK
TW4-06R	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	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	20	ug/L		20	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)	0.5	mg/L		5	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
TW4-10	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		1	1	OK
TW4-11	Chloroform	50	ug/L		50	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
TW4-12	Methylene chloride	1	ug/L	U	1	1	OK
TW4-12	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
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
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)	0.2	mg/L		2	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	1	ug/L		1	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
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
TW4-18	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	100	ug/L		100	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

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
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	100	ug/L		100	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
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	100	mg/L		100	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)	1	mg/L		10	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)	5	mg/L		50	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

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
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		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)	0.2	mg/L		2	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
TW4-32	Methylene chloride	1	ug/L	U	1	1	OK
TW4-32	Nitrate/Nitrite (as N)	0.2	mg/L		2	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)	0.1	mg/L		1	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

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
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
1503226	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L
1503326	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	TW4-32	TW4-65	%RPD
Chloride (mg/L)	64.2	65.9	2.6
Nitrate + Nitrite (as N)	2.5	2.25	8.9
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	46.4	2.8
Nitrate + Nitrite (as N)	9.32	8.81	5.6
Carbon Tetrachloride	ND	ND	NC
Chloroform	13.8	13.8	0.0
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
1503226	1503226-021BMS	TW4-33	Nitrate	132	132	90 - 110	0.09
1503226	1503226-032BMS	TW4-19	Nitrate	94	114	90 - 110	2.12
1503326	1503326-001BMS	TW4-06R	Nitrate	106	111	90 - 110	4.53

N/A: QC was not performed on an EFRI sample.

Laboratory Control Sample
All Laboratory Control Samples were within acceptance limits for the quarter.

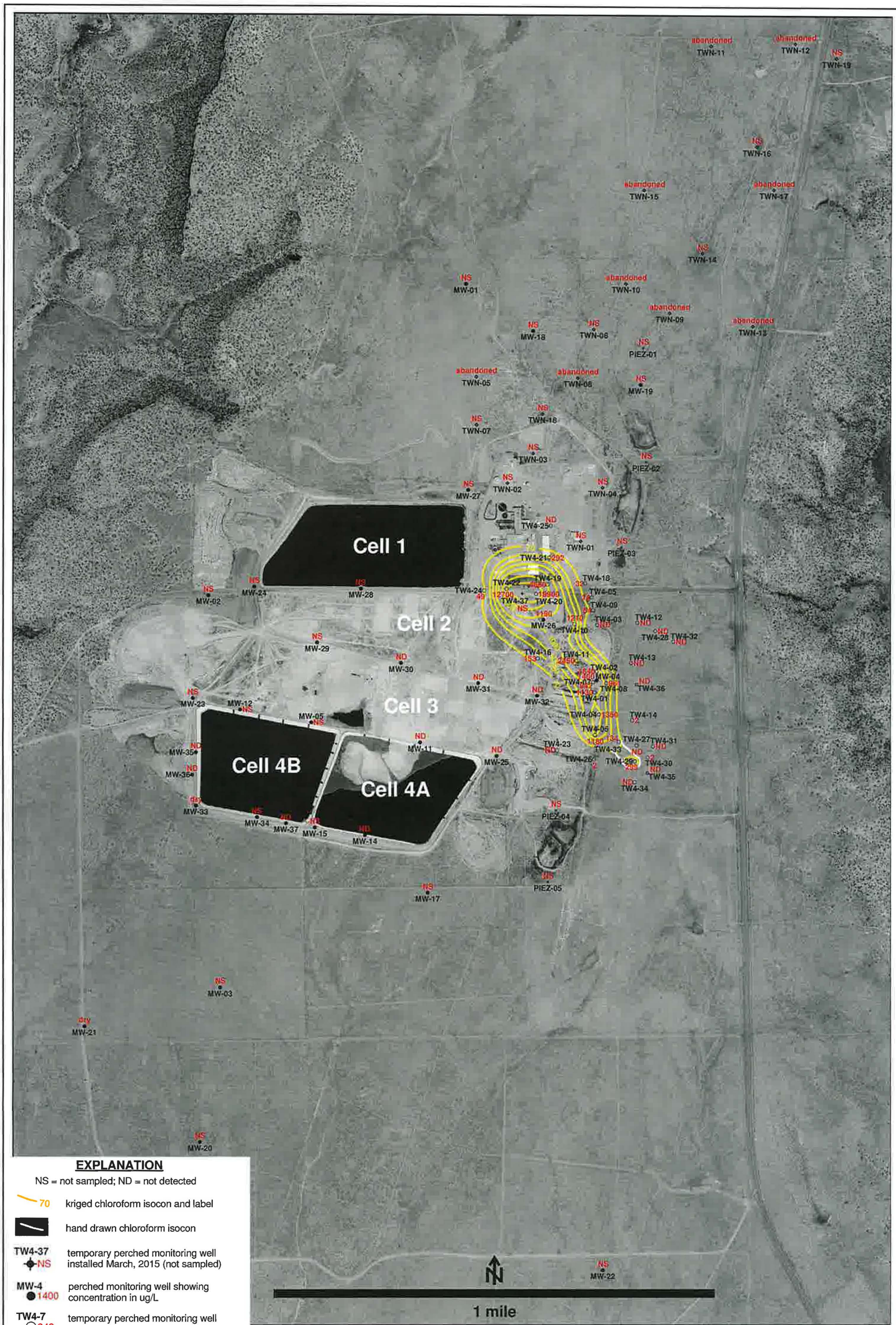
Surrogate % Recovery
All Surrogate recoveries were within acceptance limits for the quarter.

I-9 Rinsate Evaluation

All rinsate blanks results were nondetect for the quarter.

Tab J

Kriged Current Quarter Chloroform Isoconcentration Map

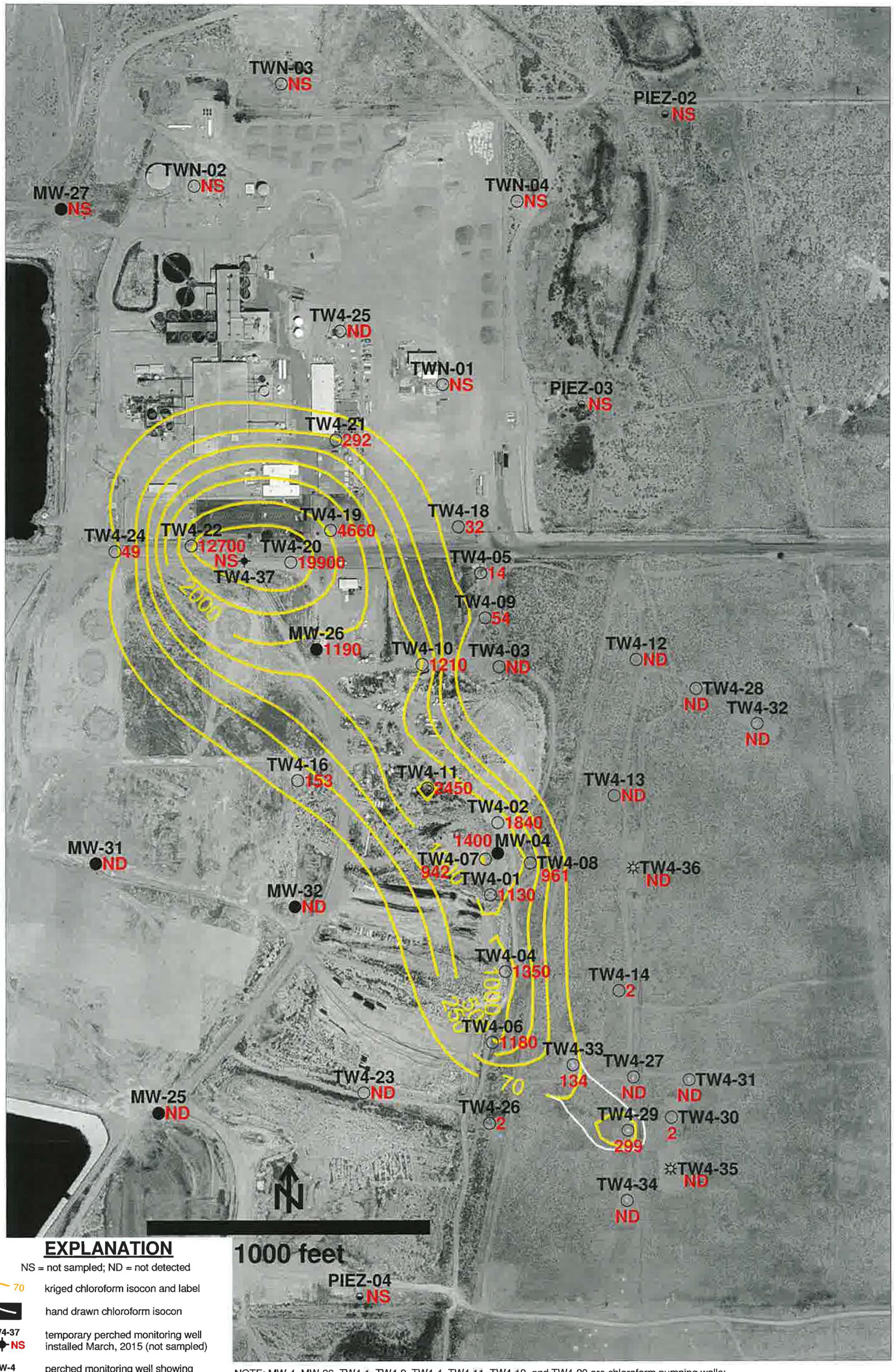


NOTE: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11,TW4-19, and TW4-20 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells

HYDRO GEO CHEM, INC.

KRIGED 1st QUARTER, 2015 CHLOROFORM (ug/L)
WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/may15/chloroform/Uchl0315h_rev.srf	J-1



EXPLANATION

NS = not sampled; ND = not detected

70	kriged chloroform isocon and label
	hand drawn chloroform isocon
TW4-37 NS	temporary perched monitoring well installed March, 2015 (not sampled)
MW-4 1400	perched monitoring well showing concentration (ug/L)
TW4-7 942	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, TW4-1, TW4-2, TW4-4, TW4-11, 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 1st QUARTER, 2015 CHLOROFORM (ugL)
WHITE MESA SITE
(detail map)

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/ may15/chloroform/Uchl0315det_rev.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
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

MW-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
9-Mar-15	1400	1.26	ND	ND	5.75	40.7

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
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

TW4-1	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
9-Mar-15	1130	ND	ND	ND	7.06	38.3

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
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

TW4-2	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
9-Mar-15	1840	1.44	ND	ND	5.32	44.9

TW4-3	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
28-Jun-99	3500				7.6	
29-Nov-99	702					
15-Mar-00	834					
2-Sep-00	836				1.56	
29-Nov-00	836				1.97	
27-Mar-01	347				1.85	
21-Jun-01	390				2.61	
20-Sep-01	300				3.06	
7-Nov-01	170				3.6	
26-Mar-02	11				3.87	
21-May-02	204				4.34	
12-Sep-02	203				4.32	
24-Nov-02	102				4.9	
28-Mar-03	0				4.6	
23-Jun-03	0				4.8	
12-Sep-03	0				4.3	
8-Nov-03	0				4.8	
29-Mar-04	0				4.48	
22-Jun-04	0				3.68	
17-Sep-04	0				3.88	
17-Nov-04	0				4.1	
16-Mar-05	0				3.5	
25-May-05	<1	NA	NA	NA	3.7	NA
31-Aug-05	<1	<1	6.4	<1	3.5	NA
1-Dec-05	<1	<1	2.3	<1	3.3	NA
9-Mar-06	<1	<1	2.2	<1	3.3	26
14-Jun-06	<1	<1	<1	<1	3.2	26
20-Jul-06	<1	<1	1.6	<1	2.9	26
8-Nov-06	<1	<1	<1	<1	1.5	23
28-Feb-07	<1	<1	<1	<1	3.1	22
27-Jun-07	<1	<1	<1	<1	3.3	23
15-Aug-07	<1	<1	<1	<1	3.1	24
10-Oct-07	<1	<1	<1	<1	2.8	27
26-Mar-08	<1	<1	<1	<1	2.8	21
25-Jun-08	<1	<1	<1	<1	2.85	19
10-Sep-08	<1	<1	<1	<1	2.66	19
15-Oct-08	<1	<1	<1	<1	2.63	22
4-Mar-09	<1	<1	<1	<1	2.5	21
24-Jun-09	<1	<1	<1	<1	2.9	20
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

TW4-3	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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	24.4
13-Aug-14	ND	ND	ND	ND	5.3	26
23-Oct-14	ND	ND	ND	ND	6.07	26.7
11-Mar-15	ND	ND	ND	ND	6.64	26.2

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
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

TW4-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
9-Mar-15	1350	1	ND	ND	8	37.6

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
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

TW4-5	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
12-Mar-15	13.8	ND	ND	ND	9.32	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
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

TW4-6	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
18-Mar-15	1180.0	ND	ND	ND	5.25	41.2

TW4-7	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Nov-99	256					
15-Mar-00	616					
2-Sep-00	698					
29-Nov-00	684				1.99	
28-Mar-01	747				2.46	
20-Jun-01	1100				2.65	
20-Sep-01	1200				3.38	
8-Nov-01	1100				2.5	
26-Mar-02	1500				3.76	
23-May-02	1600				3.89	
12-Sep-02	1500				3.18	
24-Nov-02	2300				4.6	
28-Mar-03	1800				4.8	
23-Jun-03	5200				7.6	
12-Sep-03	3600				7.6	
8-Nov-03	4500				7.1	
29-Mar-04	2500				4.63	
22-Jun-04	2900				4.83	
17-Sep-04	3100				5.59	
17-Nov-04	3800				6	
16-Mar-05	3100				5.2	
25-May-05	2700	NA	NA	NA	5.4	NA
31-Aug-05	3100	<10	<10	<10	5.2	NA
1-Dec-05	2500	<50	<50	<50	5.3	NA
9-Mar-06	1900	<50	<50	<50	1	48
14-Jun-06	2200	<50	<50	<50	4.5	47
20-Jul-06	2140	<50	<50	<50	4.7	51
8-Nov-06	2160	1.5	<1	<1	4.6	49
28-Feb-07	1800	1.1	<1	<1	5	47
27-Jun-07	2600	1.5	<1	<1	5.1	45
14-Aug-07	2300	1.4	<1	<1	4.7	44
10-Oct-07	1900	1.2	<1	<1	4.7	45
26-Mar-08	2200	1.3	<1	<1	4.2	43
25-Jun-08	1800	1.3	<1	<1	4.8	43
10-Sep-08	1600	1.4	<1	<1	4.16	35
15-Oct-08	1900	<2	<2	<2	4.01	40
11-Mar-09	1800	1.2	<1	<1	3.7	35
24-Jun-09	1400	<1	<1	<1	3.8	37
15-Sep-09	1500	1.0	<1	<1	4.1	37
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

TW4-7	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
18-Mar-15	942	ND	ND	ND	4.25	40.4

TW4-8	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Nov-99	0					
15-Mar-00	21.8					
2-Sep-00	102					
29-Nov-00	107				ND	
26-Mar-01	116				ND	
20-Jun-01	180				ND	
20-Sep-01	180				0.35	
7-Nov-01	180				ND	
26-Mar-02	190				0.62	
22-May-02	210				0.77	
12-Sep-02	300				ND	
24-Nov-02	450				ND	
28-Mar-03	320				0.8	
23-Jun-03	420				ND	
12-Sep-03	66.0				ND	
8-Nov-03	21.0				0.1	
29-Mar-04	24.0				0.65	
22-Jun-04	110				0.52	
17-Sep-04	120				ND	
17-Nov-04	120				ND	
16-Mar-05	10.0				ND	
25-May-05	<1	NA	NA	NA	0.2	NA
31-Aug-05	1.1	<1	1.7	<1	<0.1	NA
30-Nov-05	<1	<1	<1	<1	<0.1	NA
9-Mar-06	1.3	<1	2.1	<1	0.3	39
14-Jun-06	1.0	<1	1.8	<1	<0.1	37
20-Jul-06	<1	<1	<1	<1	0.1	39
8-Nov-06	<1	<1	<1	<1	<0.1	40
28-Feb-07	2.5	<1	<1	<1	0.7	39
27-Jun-07	2.5	<1	<1	<1	0.2	42
15-Aug-07	1.5	<1	<1	<1	<0.1	42
10-Oct-07	3.5	<1	<1	<1	0.5	43
26-Mar-08	<1	<1	<1	<1	0.1	46
25-Jun-08	<1	<1	<1	<1	<0.05	45
10-Sep-08	<1	<1	<1	<1	<0.05	39
15-Oct-08	<1	<1	<1	<1	<0.05	44
4-Mar-09	<1	<1	<1	<1	<0.1	42
24-Jun-09	<1	<1	<1	<1	<0.1	44
15-Sep-09	<1	<1	<1	<1	<1	44
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

TW4-8	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
12-Mar-15	961	ND	ND	ND	2.34	49.6

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
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

TW4-9	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
12-Mar-15	53.5	ND	ND	ND	3.28	29.5

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
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

TW4-10	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
18-Mar-15	1210	ND	ND	ND	15.0	78.6

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
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

TW4-11	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
9-Mar-15	2450	1.24	ND	ND	8.72	49.8

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
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

TW4-12	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	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
11-Mar-15	ND	ND	ND	ND	19.2	50.6

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
29-May-13	ND	ND	ND	ND	6.84	56

TW4-13	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
11-Mar-15	ND	ND	ND	ND	7.09	66.4

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	1.68	ND	ND	ND	5.22	38.9
12-Mar-15	1.71	ND	ND	ND	5.22	40.1

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
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

MW-26	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
9-Mar-15	1980	ND	ND	27.4	0.732	56.5

TW4-16	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	140				ND	
24-Nov-02	200				ND	
28-Mar-03	260				ND	
23-Jun-03	370				ND	
12-Sep-03	350				ND	
8-Nov-03	400				ND	
29-Mar-04	430				ND	
22-Jun-04	530				ND	
17-Sep-04	400				ND	
17-Nov-04	350				ND	
16-Mar-05	240				ND	
25-May-05	212	NA	NA	NA	<0.1	NA
31-Aug-05	85	<1	3.2	43	<0.1	NA
1-Dec-05	14	<2.5	2.6	5.9	1.4	NA
9-Mar-06	39.0	<1	1.1	21	3	60
14-Jun-06	13.0	<1	2.4	8.9	1.9	55
20-Jul-06	5.2	<1	<1	2.7	2.7	60
8-Nov-06	13.6	<1	<1	9.2	5.6	62
28-Feb-07	8.7	<1	<1	6.5	12.3	79
27-Jun-07	2.6	<1	<1	1.8	9.9	75
15-Aug-07	7.1	<1	<1	5.1	5.4	66
10-Oct-07	1.4	<1	<1	<1	4.4	69
26-Mar-08	11.0	<1	<1	26	ND	52
25-Jun-08	<1	<1	<1	<1	1.46	58
10-Sep-08	10	<1	<1	14	10.5	71
15-Oct-08	3.9	<1	<1	6.6	9.82	89
4-Mar-09	<1	<1	<1	<1	9.6	78
24-Jun-09	<1	<1	<1	<1	8.9	76
15-Sep-09	<1	<1	<1	<1	8.8	79
17-Dec-09	<1	<1	<1	<1	5.2	76
24-Feb-10	<1	<1	<1	<1	4.2	77
9-Jun-10	2.1	<1	<1	<1	4.7	64
24-Aug-10	4.3	<1	<1	<1	4.6	72
6-Oct-10	3.0	<1	<1	<1	3.3	72
22-Feb-11	15.0	ND	ND	ND	7	86
26-May-11	16.0	ND	ND	ND	5	81
17-Aug-11	9.2	ND	ND	ND	1.7	63
16-Nov-11	ND	ND	ND	1.4	0.4	38
18-Jan-12	ND	ND	ND	1.7	0.1	48
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

TW4-16	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
12-Mar-15	153.0	ND	ND	ND	4.30	65.3

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
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

MW-32	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
17-Mar-15	ND	ND	ND	ND	ND	36.3

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
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

TW4-18	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
12-Mar-15	32.0	ND	ND	ND	11.7	41.6

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
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

TW4-19	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
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
9-Mar-15	4660	8.92	ND	ND	8.56	238

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
9-Mar-15	19900	20.8	4.85	1.38	9.8	290

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
12-Mar-15	292	1.75	ND	ND	10.9	255

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
9-Mar-15	12700	3.77	4.31	ND	69.2	675

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
12-Mar-15	ND	ND	ND	ND	ND	47.3

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
9-Mar-15	49.2	ND	ND	ND	34.6	944

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
9-Mar-15	ND	ND	ND	ND	14.4	310

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
12-Mar-15	2.37	ND	ND	ND	14.4	14.4

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
11-Mar-15	ND	ND	ND	ND	26.5	26.2

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
11-Mar-15	ND	ND	ND	ND	19	52.2

TW4-29	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-13	242	ND	ND	ND	4.63	44.8
11-Jul-13	262	ND	ND	ND	3.52	37.7
26-Sep-13	246	ND	ND	ND	4.18	41.4
13-Nov-13	260	ND	ND	ND	4.11	42.5
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
12-Mar-15	299	ND	ND	ND	4.14	40.5

TW4-30	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-13	ND	ND	ND	ND	0.948	36
29-Aug-13	ND	ND	ND	ND	0.952	36.3
7-Nov-13	ND	ND	ND	ND	1.24	35.9
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
11-Mar-15	2	ND	ND	ND	2.15	38.3

TW4-31	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-13	ND	ND	ND	ND	1.26	28.4
5-Sep-13	ND	ND	ND	ND	1.1	29.4
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
11-Mar-15	ND	ND	ND	ND	1.33	30.6

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
11-Mar-15	ND	ND	ND	ND	2.46	64.2

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
12-Mar-15	134	ND	ND	ND	1.91	44.2

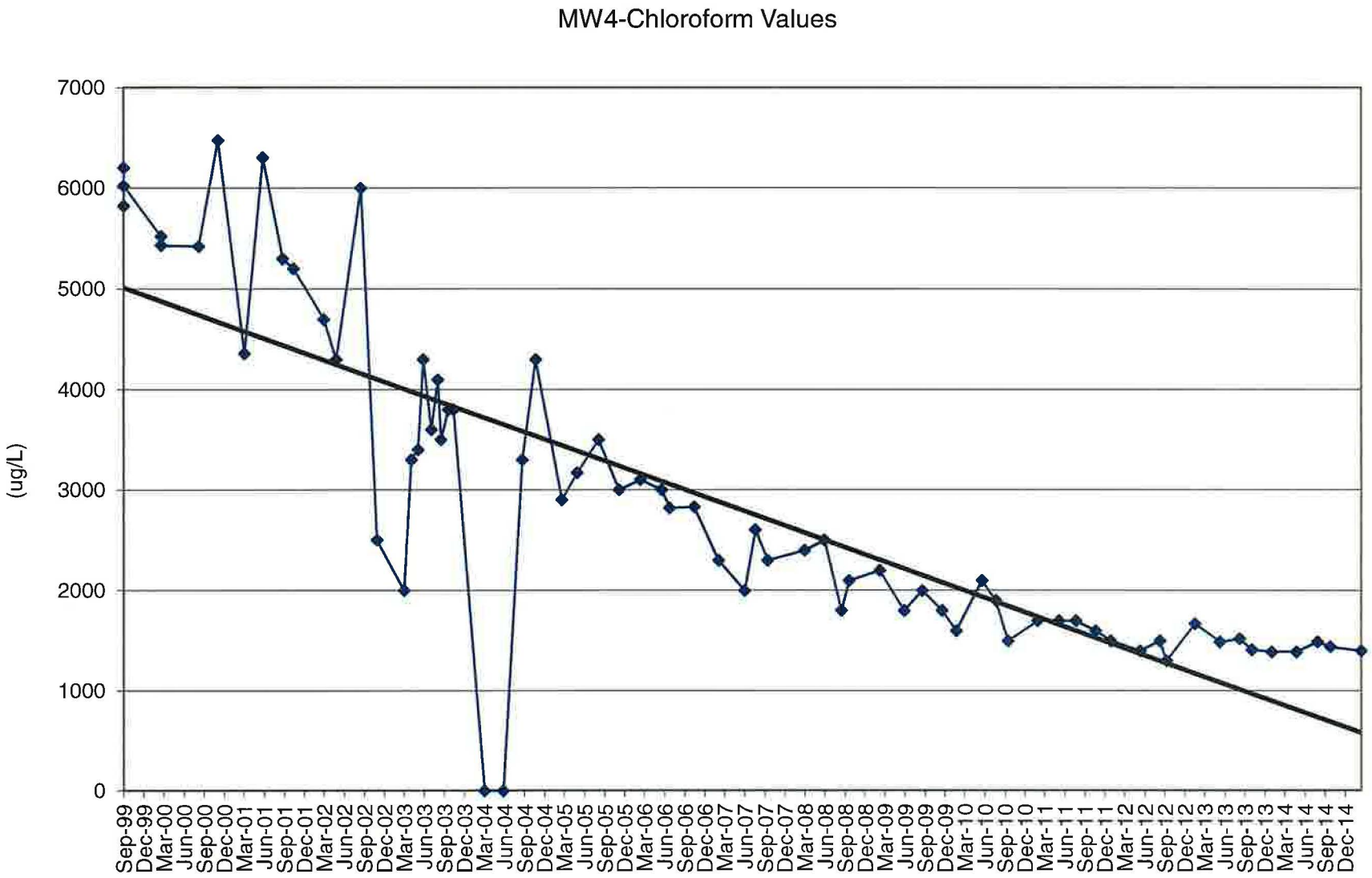
TW4-34	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
14-Nov-13	ND	ND	ND	ND	1.64	19.2
23-Jan-14	ND	ND	ND	ND	1.94	20.4
21-May-14	ND	ND	ND	ND	1.69	17.9
13-Aug-14	ND	ND	ND	ND	1.1	18
28-Oct-14	ND	ND	ND	ND	1.16	17.5
11-Mar-15	ND	ND	ND	ND	1.21	17.7

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
11-Mar-15	ND	ND	ND	ND	0.436	34.9

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
11-Mar-15	ND	ND	ND	ND	ND	67.2

Tab L

Chloroform Concentration Trend Graphs


MW4-Chloroform Values
(ug/L)
7000
6000
5000
4000
3000
2000
1000
0
Sep-99
Dec-99
Mar-00
Jun-00
Sep-00
Dec-00
Mar-01
Jun-01
Sep-01
Dec-01
Mar-02
Jun-02
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Mar-06
Jun-06
Sep-06
Dec-06
Mar-07
Jun-07
Sep-07
Dec-07
Mar-08
Jun-08
Sep-08
Dec-08
Mar-09
Jun-09
Sep-09
Dec-09
Mar-10
Jun-10
Sep-10
Dec-10
Mar-11
Jun-11
Sep-11
Dec-11
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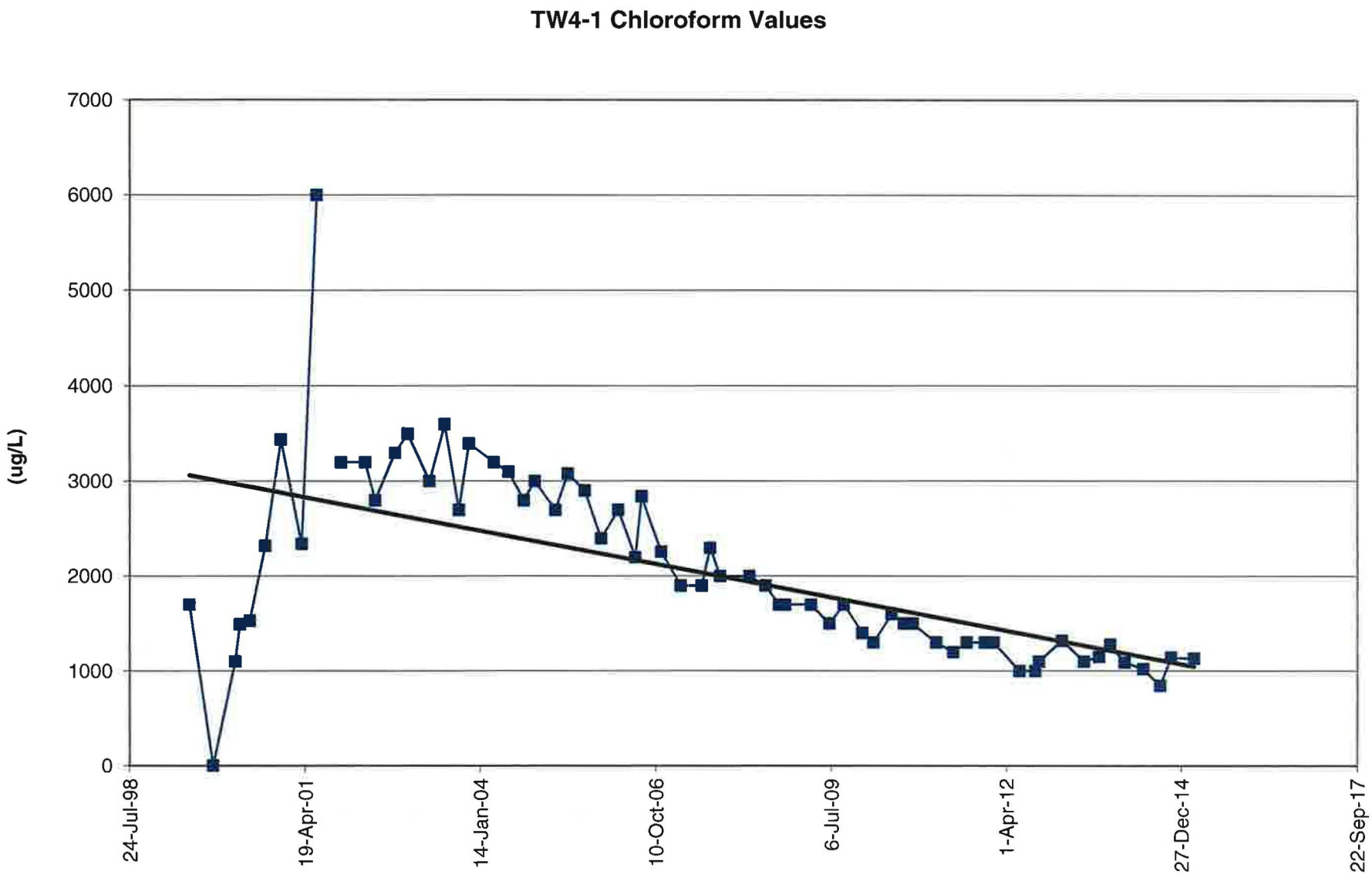
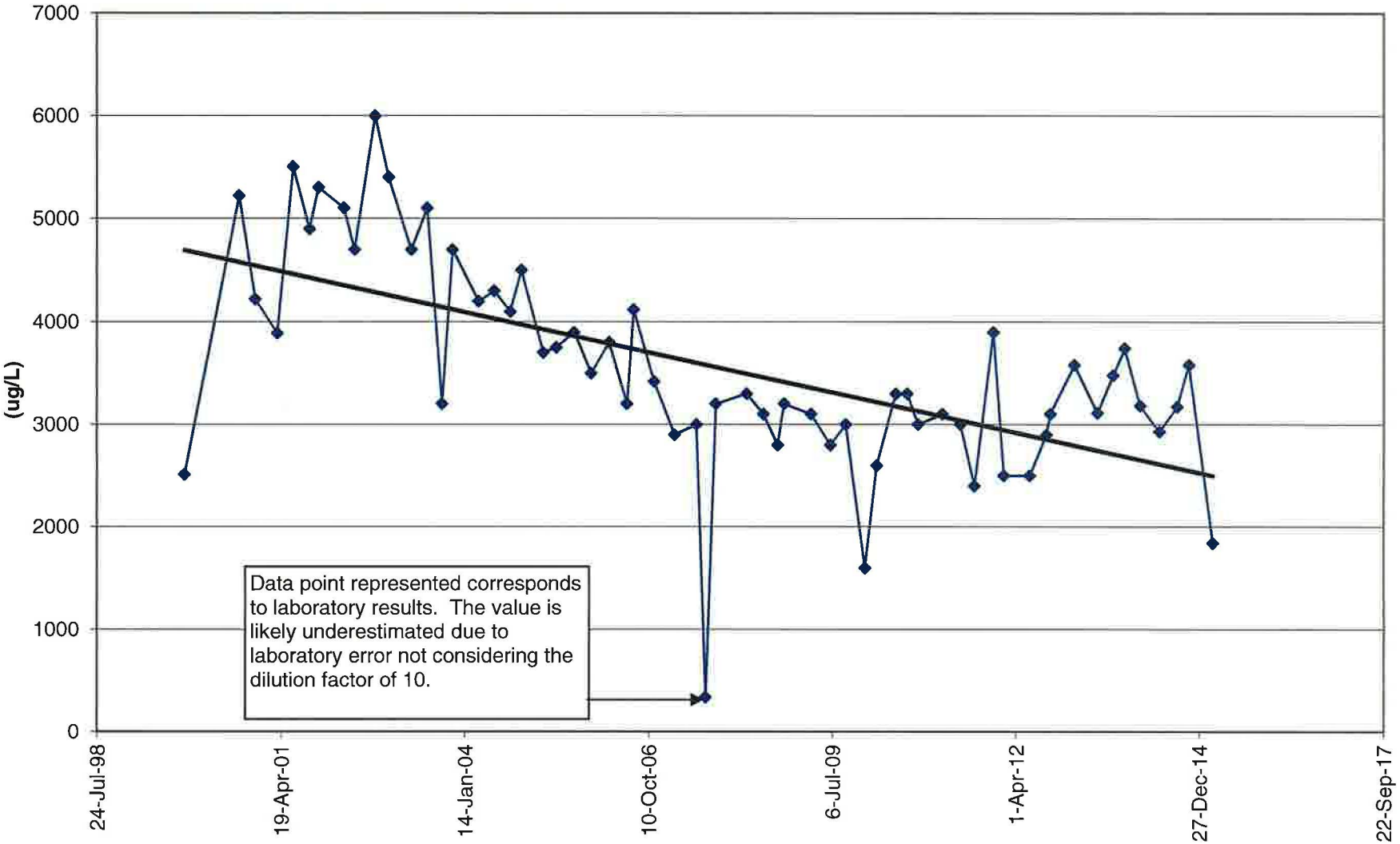
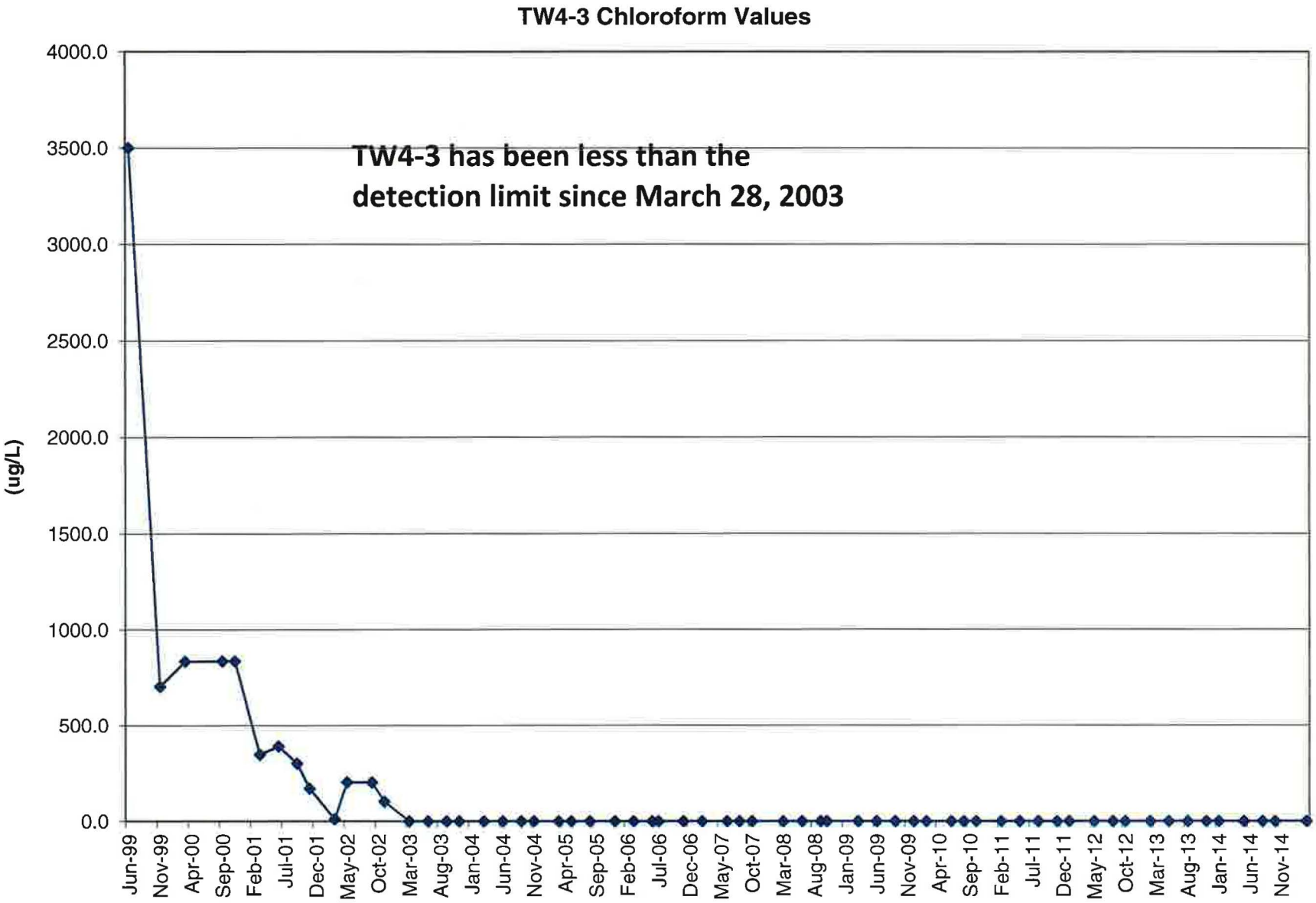
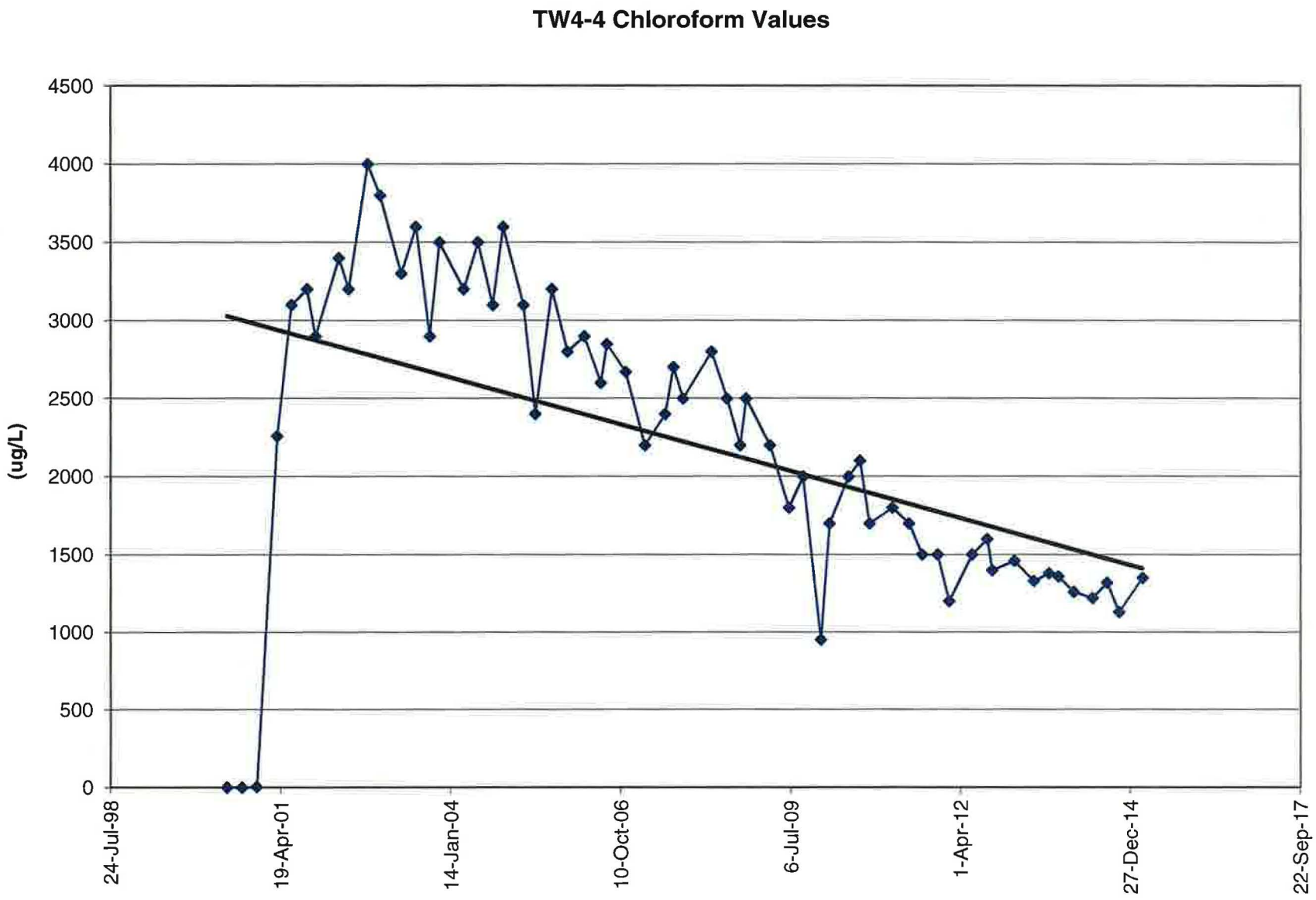
Mar-14
Jun-14
Sep-14
Dec-14

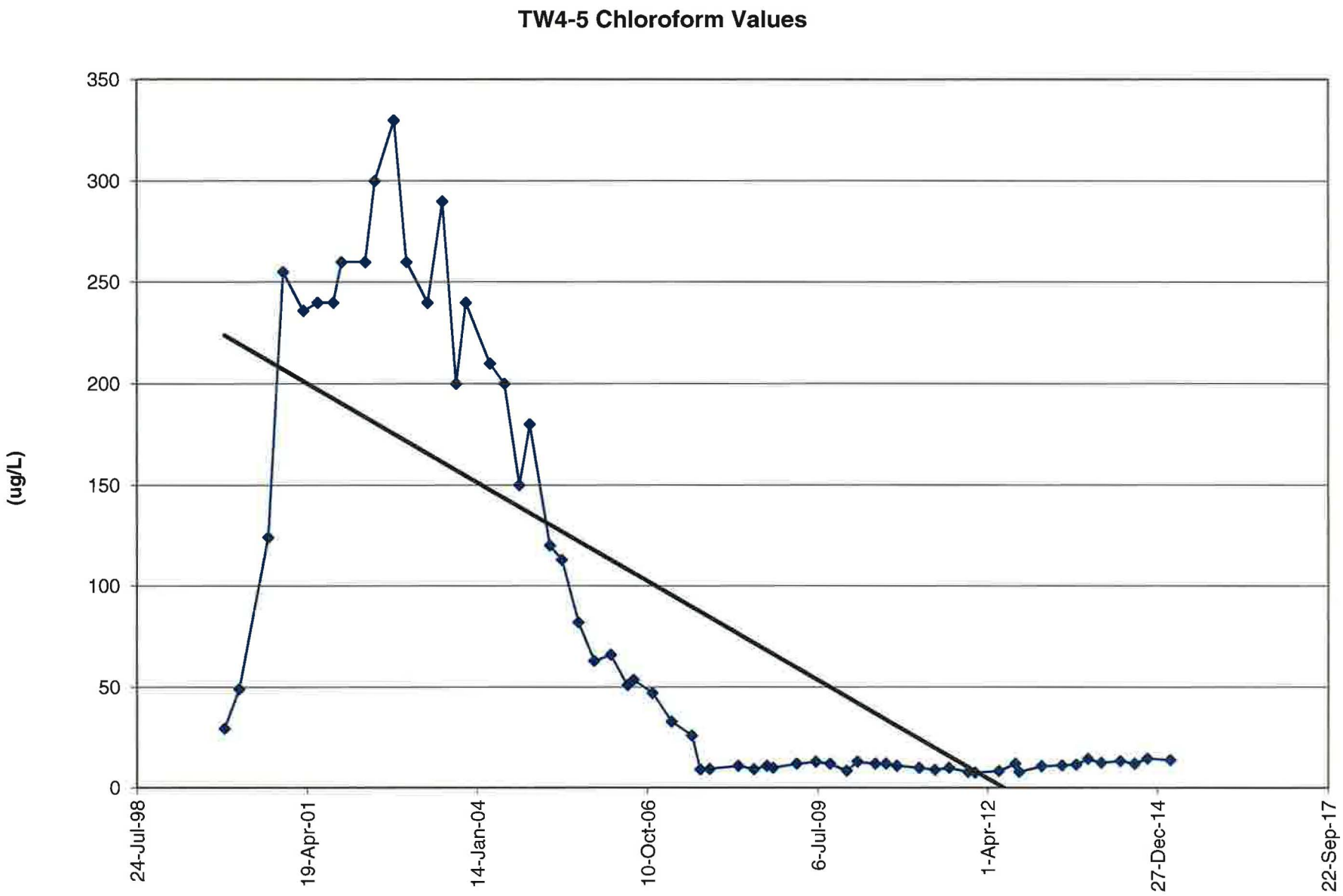

TW4-1 Chloroform Values
(ug/L)
7000
6000
5000
4000
3000
2000
1000
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

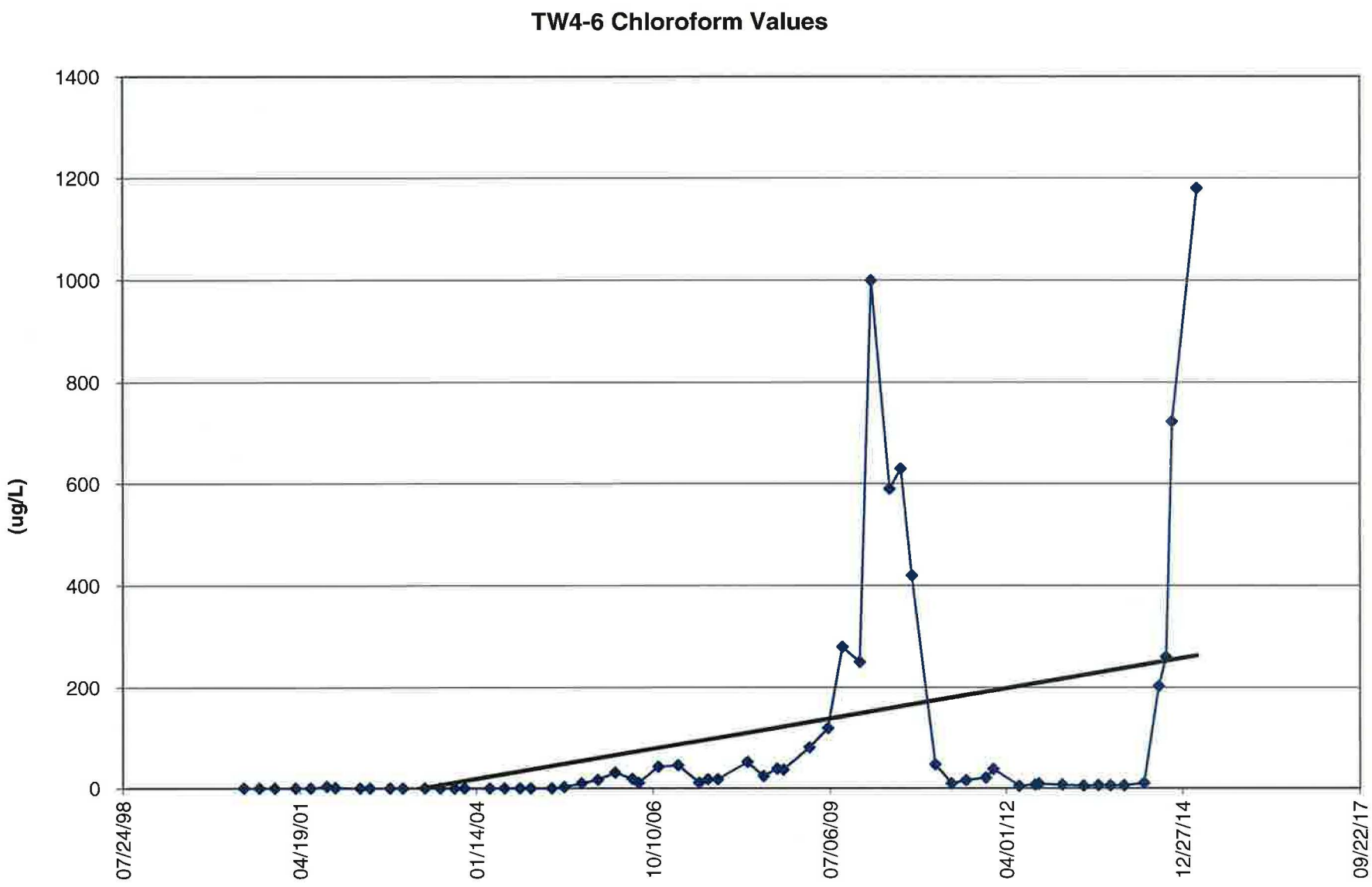
TW4-2 Chloroform Values

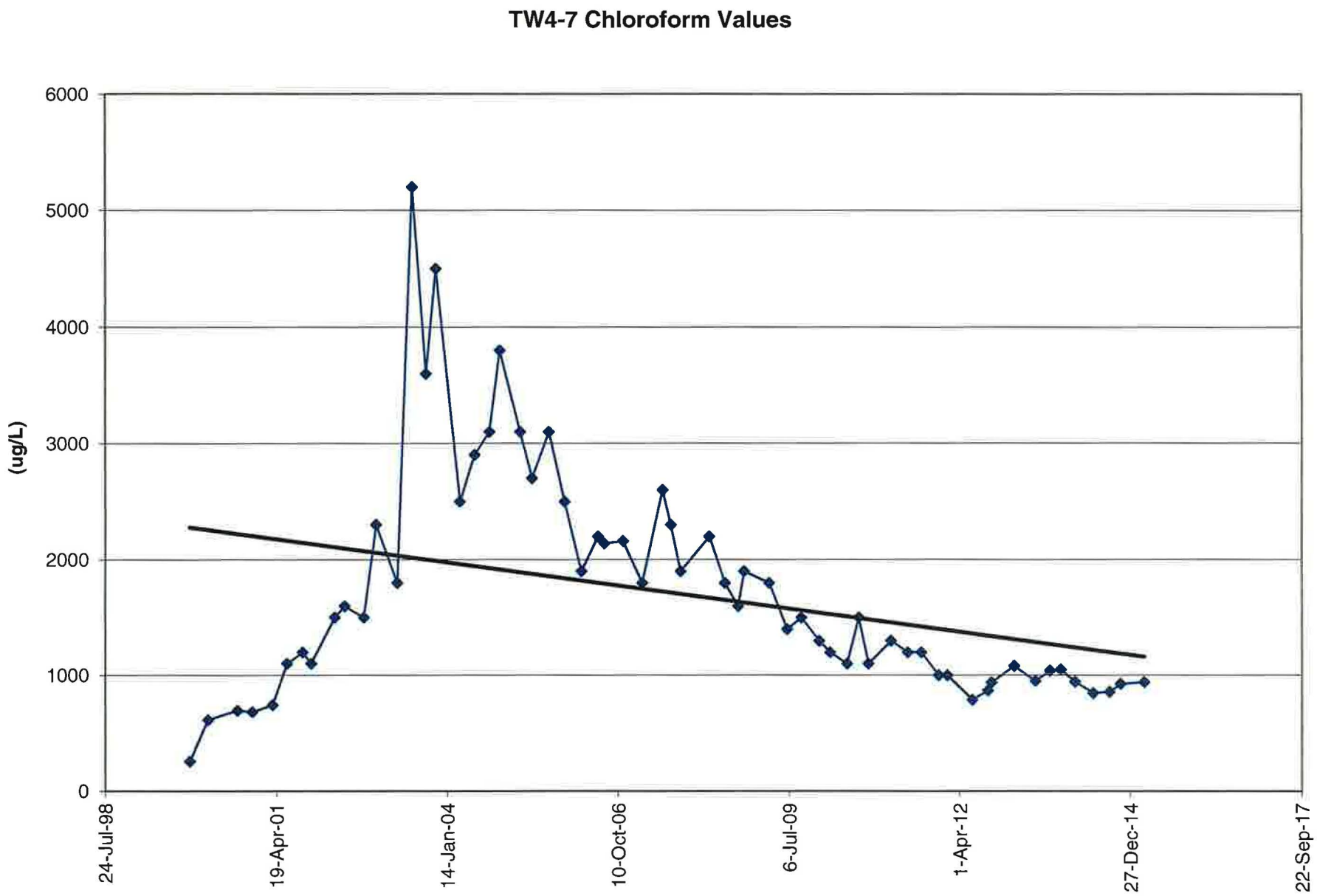



TW4-3 Chloroform Values
TW4-3 has been less than the detection limit since March 28, 2003
(ug/L)
4000.0
3500.0
3000.0
2500.0
2000.0
1500.0
1000.0
500.0
0.0
Jun-99
Nov-99
Apr-00
Sep-00
Feb-01
Jul-01
Dec-01
May-02
Oct-02
Mar-03
Aug-03
Jan-04
Jun-04
Nov-04
Apr-05
Sep-05
Feb-06
Jul-06
Dec-06
May-07
Oct-07
Mar-08
Aug-08
Jan-09
Jun-09
Nov-09
Apr-10
Sep-10
Feb-11
Jul-11
Dec-11
May-12
Oct-12
Mar-13
Aug-13
Jan-14
Jun-14
Nov-14

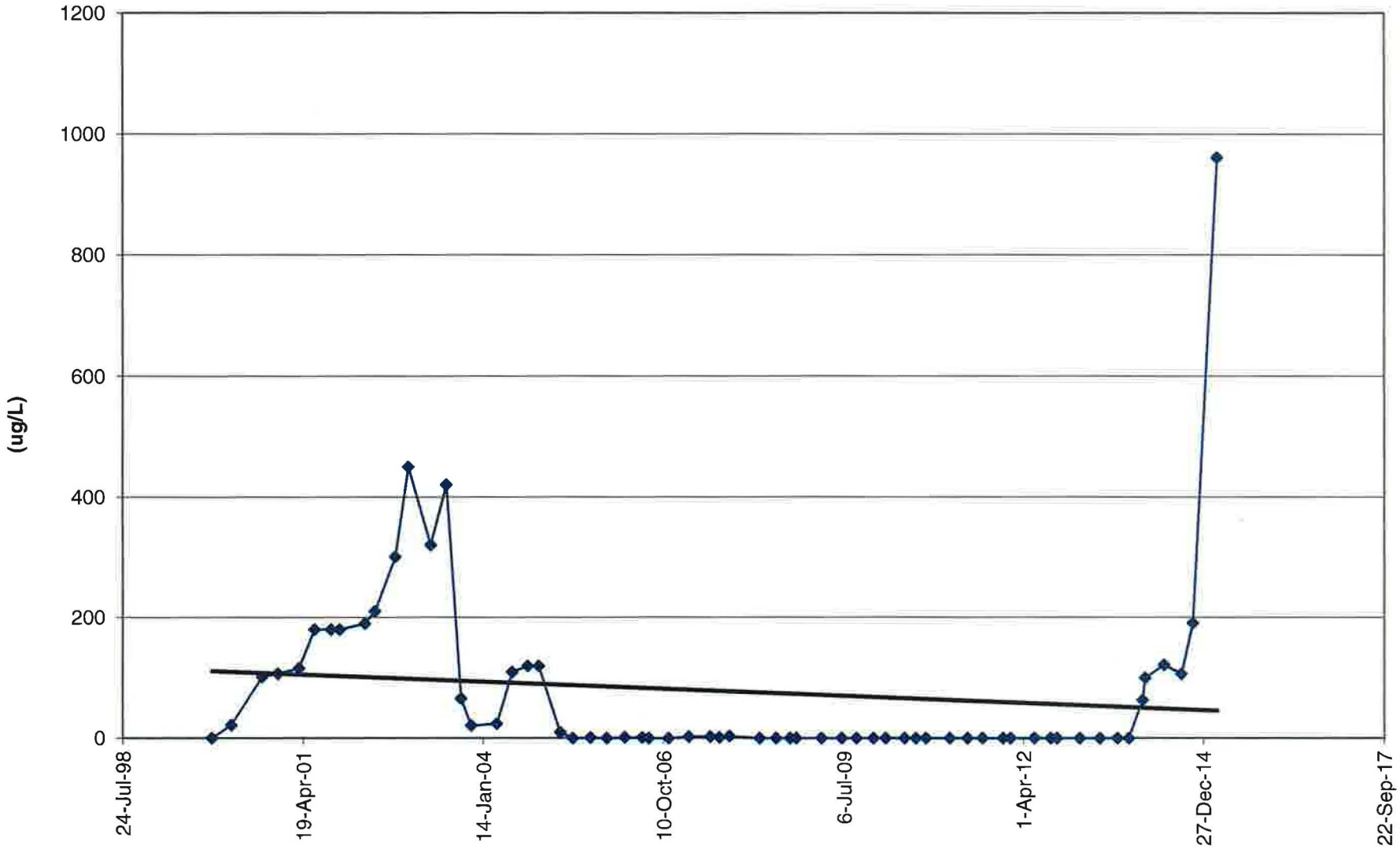

TW4-4 Chloroform Values
(ug/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

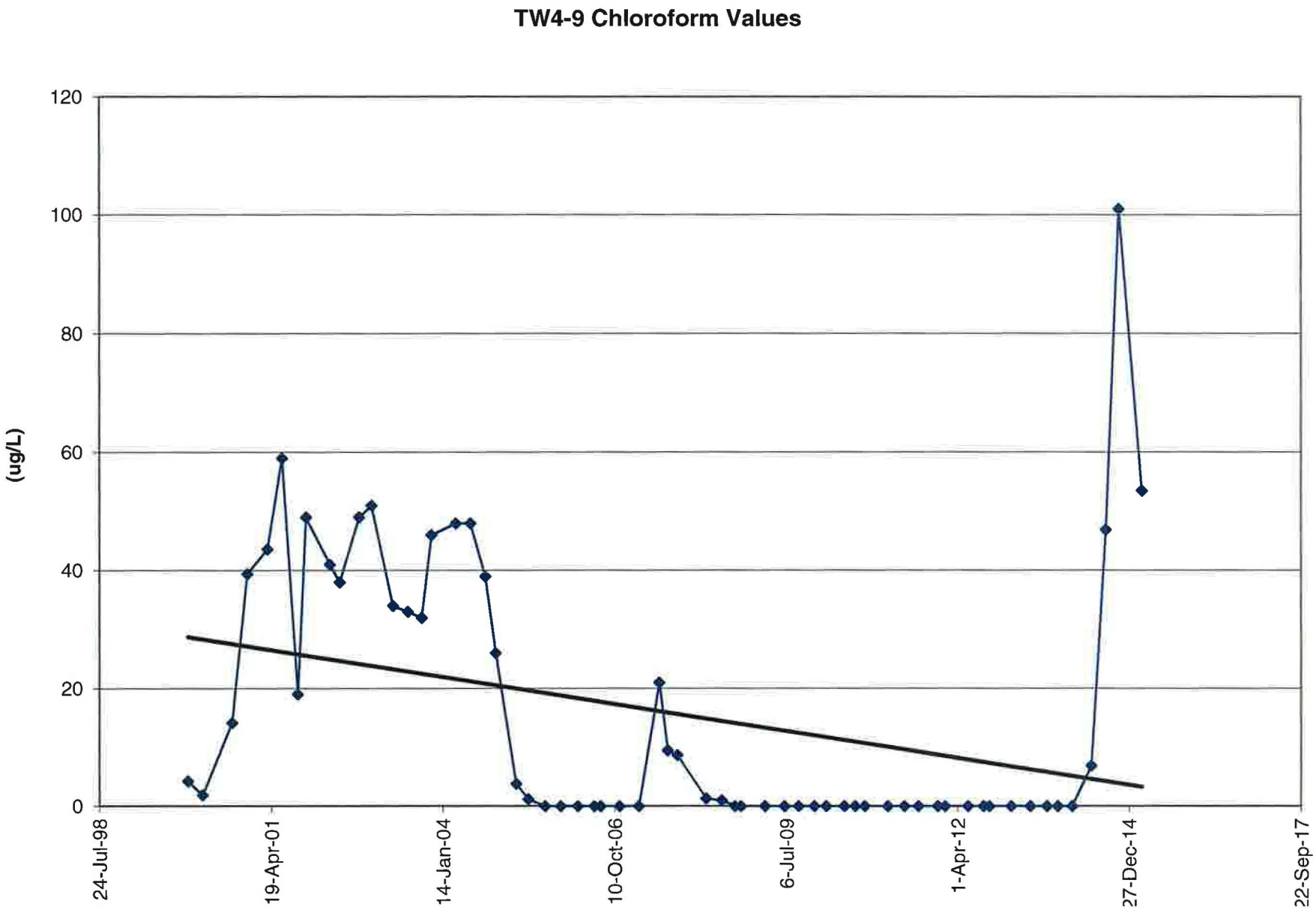

TW4-5 Chloroform Values
(ug/L)
350
300
250
200
150
100
50
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

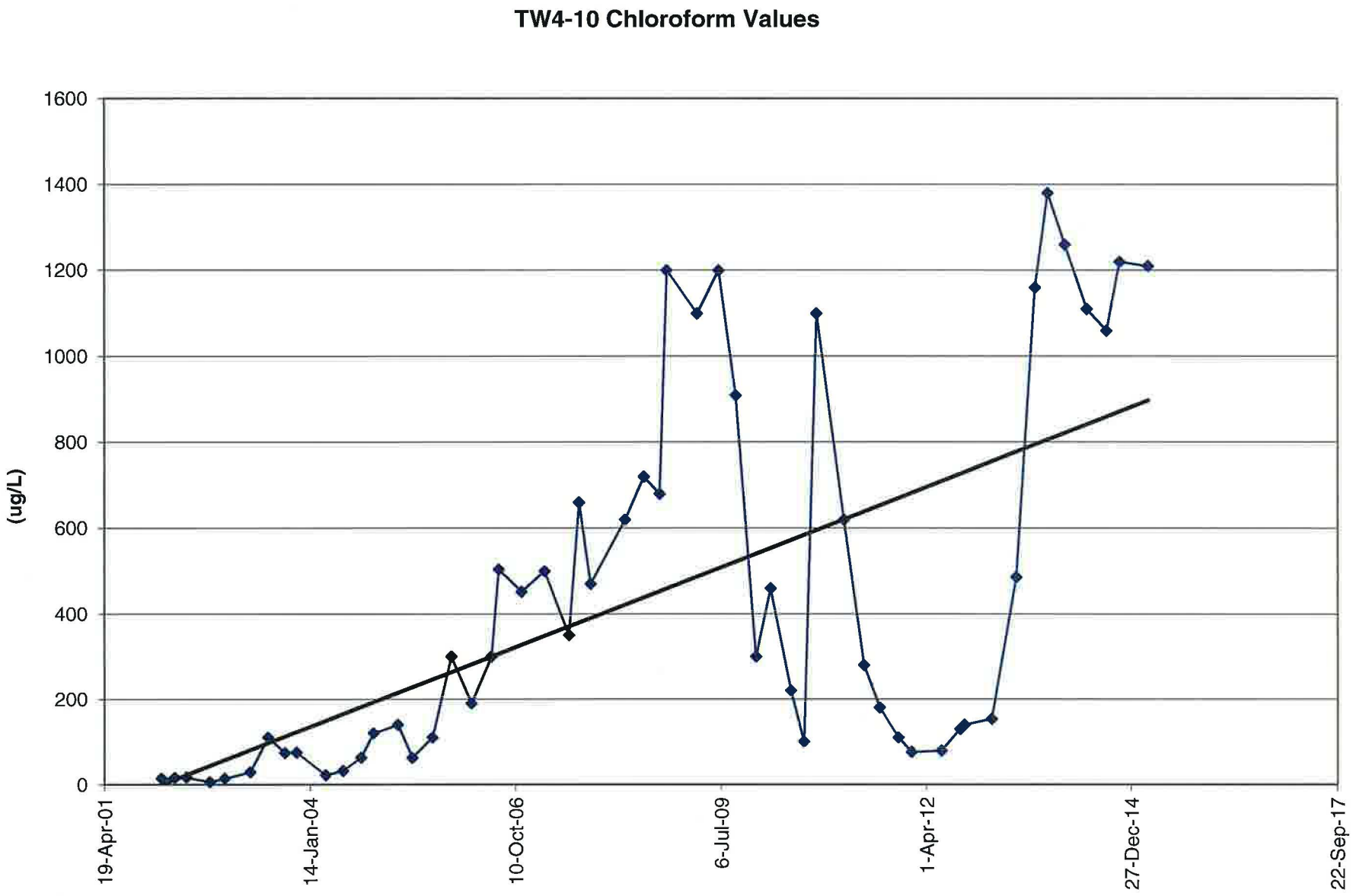

TW4-6 Chloroform Values
(ug/L)
1400
1200
1000
800
600
400
200
0
07/24/98
04/19/01
01/14/04
10/10/06
07/06/09
04/01/12
12/27/14
09/22/17

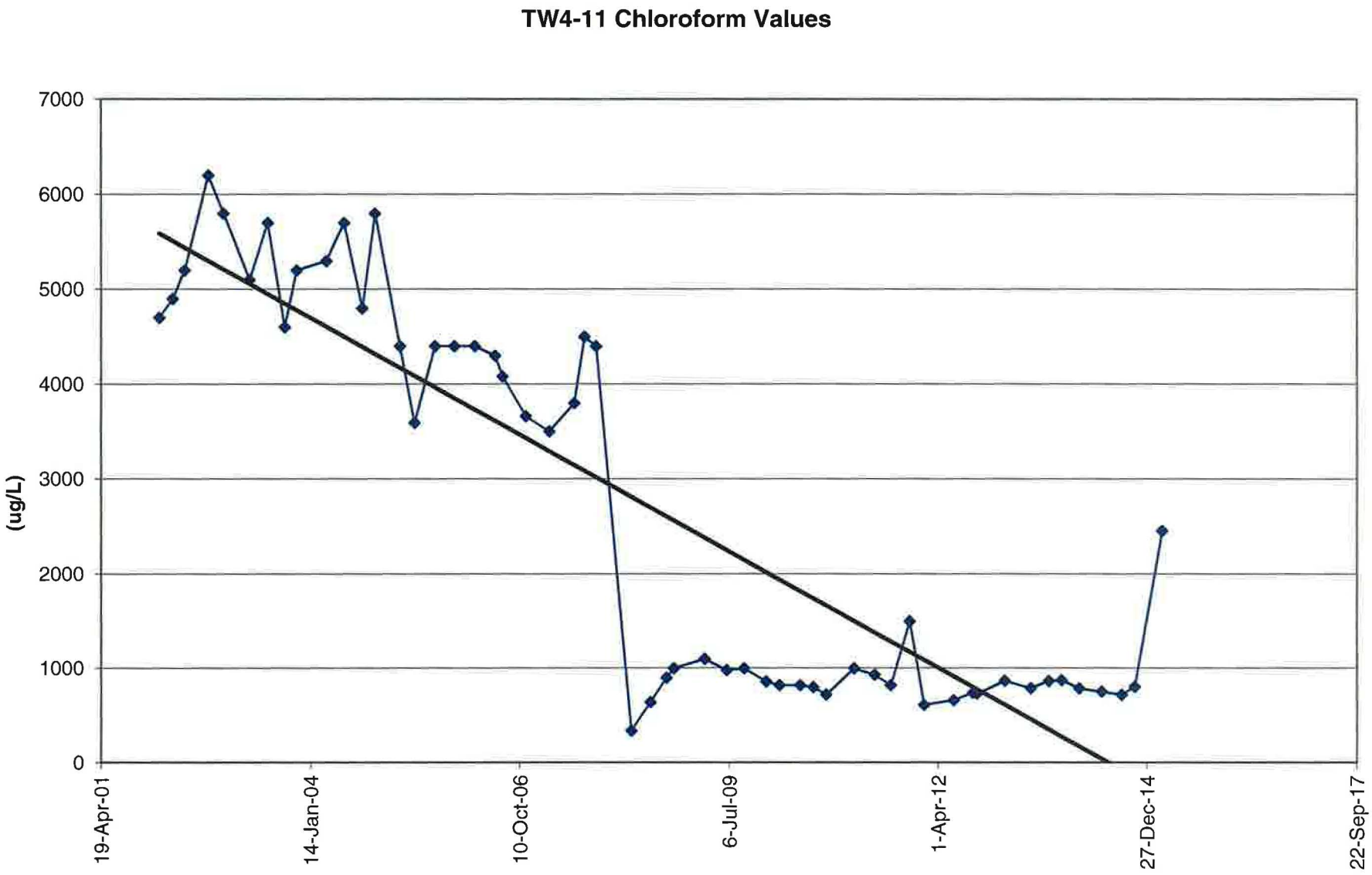

TW4-7 Chloroform Values
(ug/L)
6000
5000
4000
3000
2000
1000
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

TW4-8 Chloroform Values

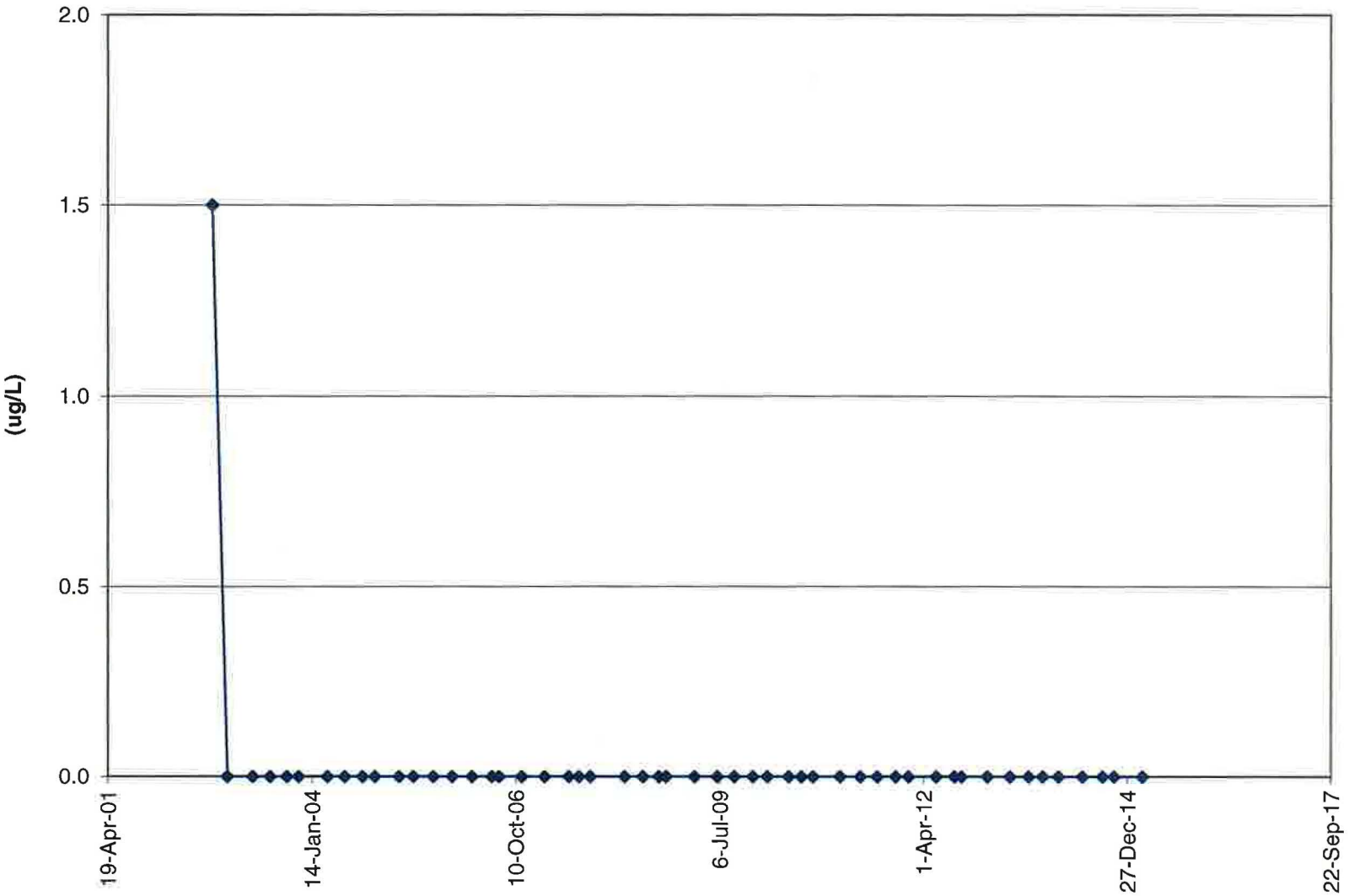


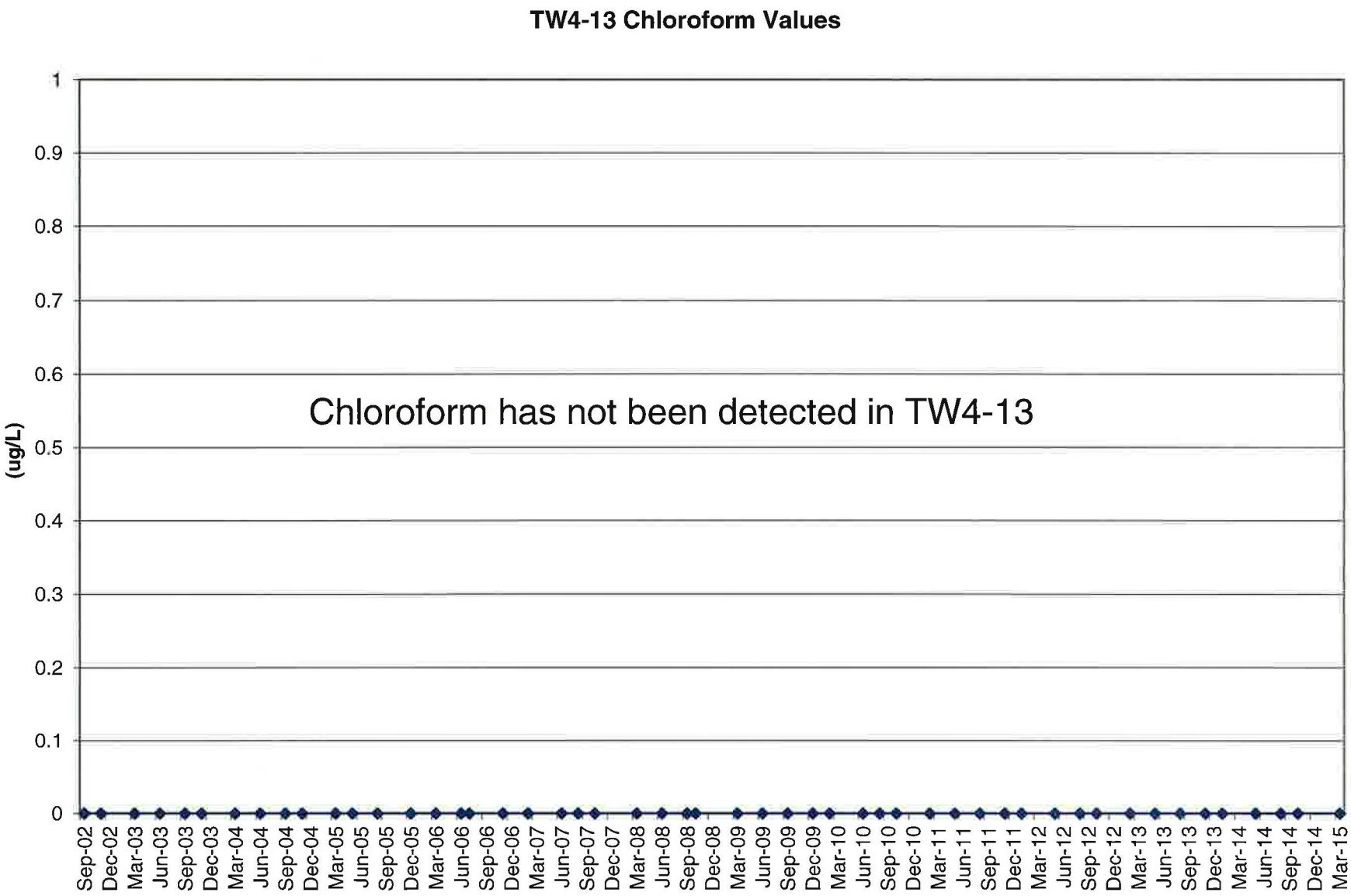

TW4-9 Chloroform Values
(ug/L)
120
100
80
60
40
20
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17


TW4-10 Chloroform Values
(ug/L)
1600
1400
1200
1000
800
600
400
200
0
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

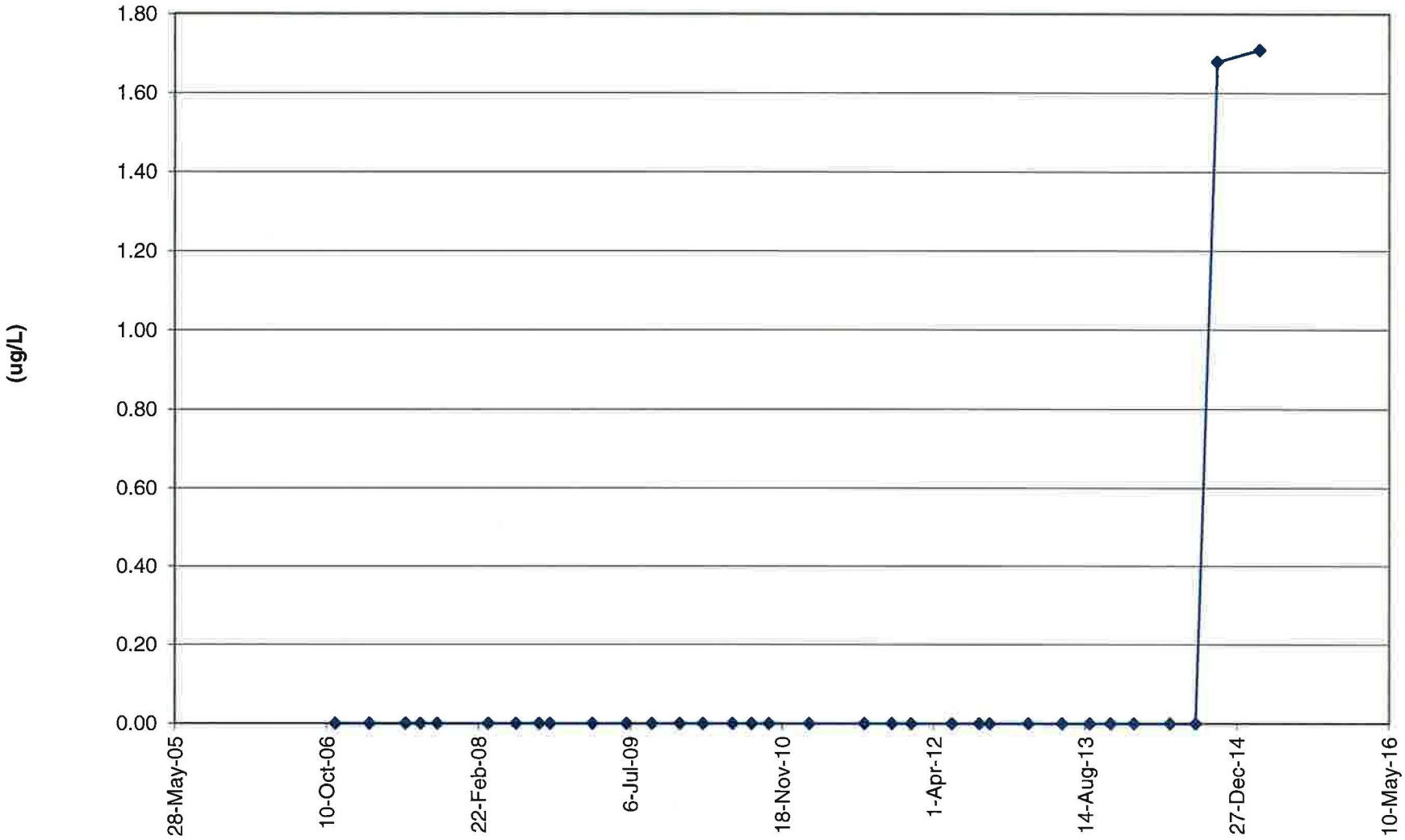

TW4-11 Chloroform Values
(ug/L)
7000
6000
5000
4000
3000
2000
1000
0
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

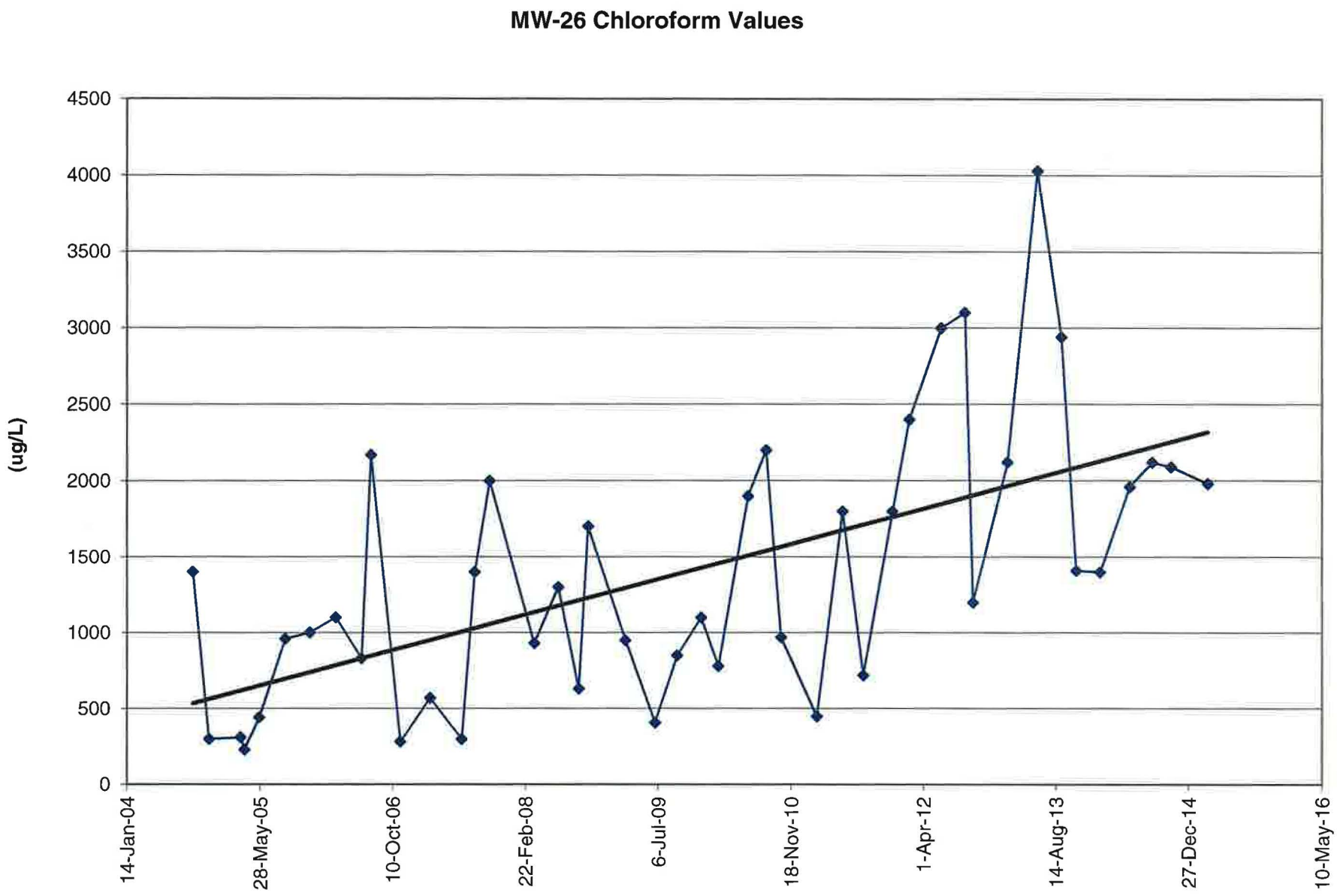
TW4-12 Chloroform Values



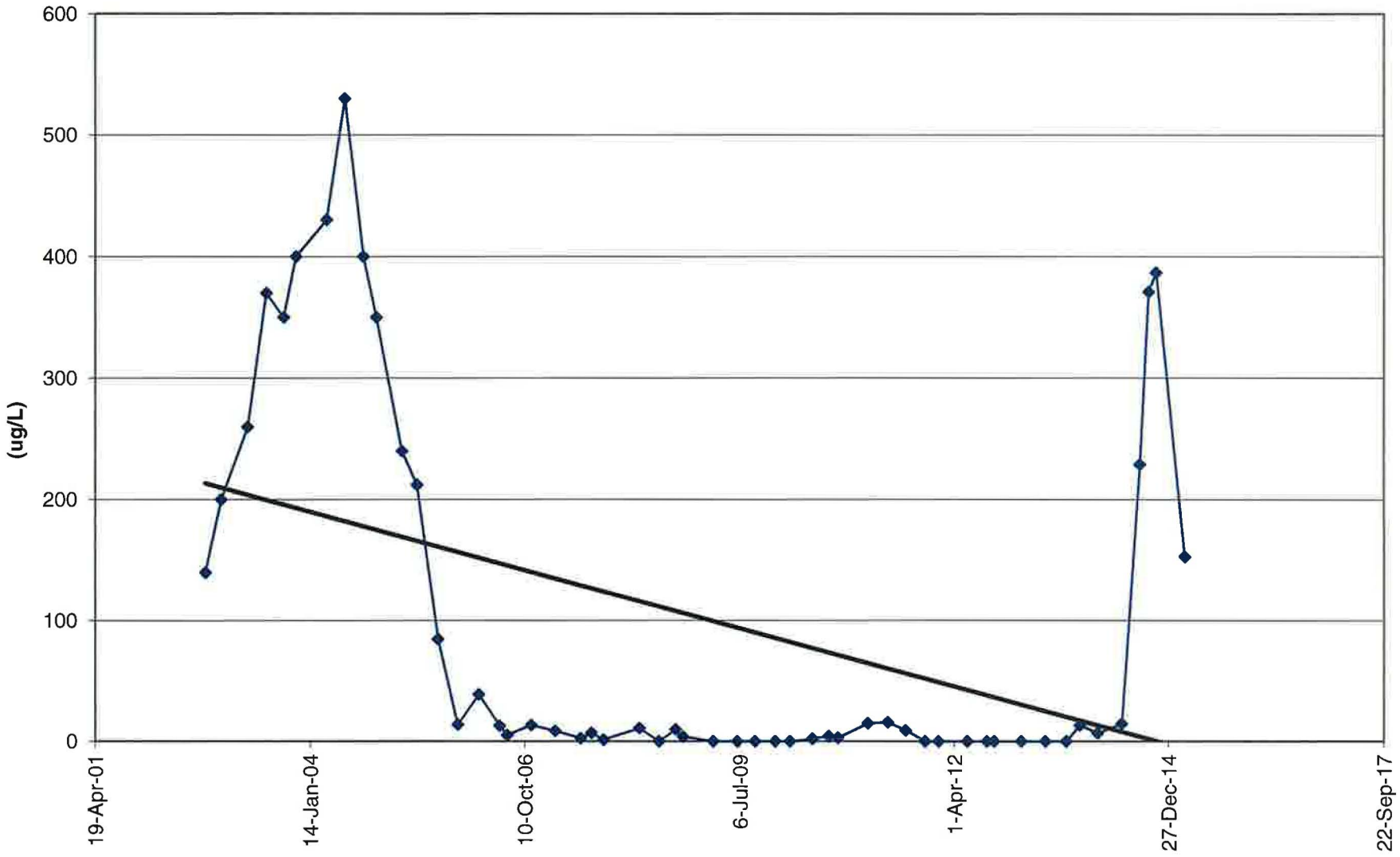

TW4-13 Chloroform Values
(ug/L)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Chloroform has not been detected in TW4-13
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Mar-06
Jun-06
Sep-06
Dec-06
Mar-07
Jun-07
Sep-07
Dec-07
Mar-08
Jun-08
Sep-08
Dec-08
Mar-09
Jun-09
Sep-09
Dec-09
Mar-10
Jun-10
Sep-10
Dec-10
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12
Jun-12
Sep-12
Dec-12
Mar-13
Jun-13
Sep-13
Dec-13
Mar-14
Jun-14
Sep-14
Dec-14
Mar-15

TW4-14 Chloroform Values

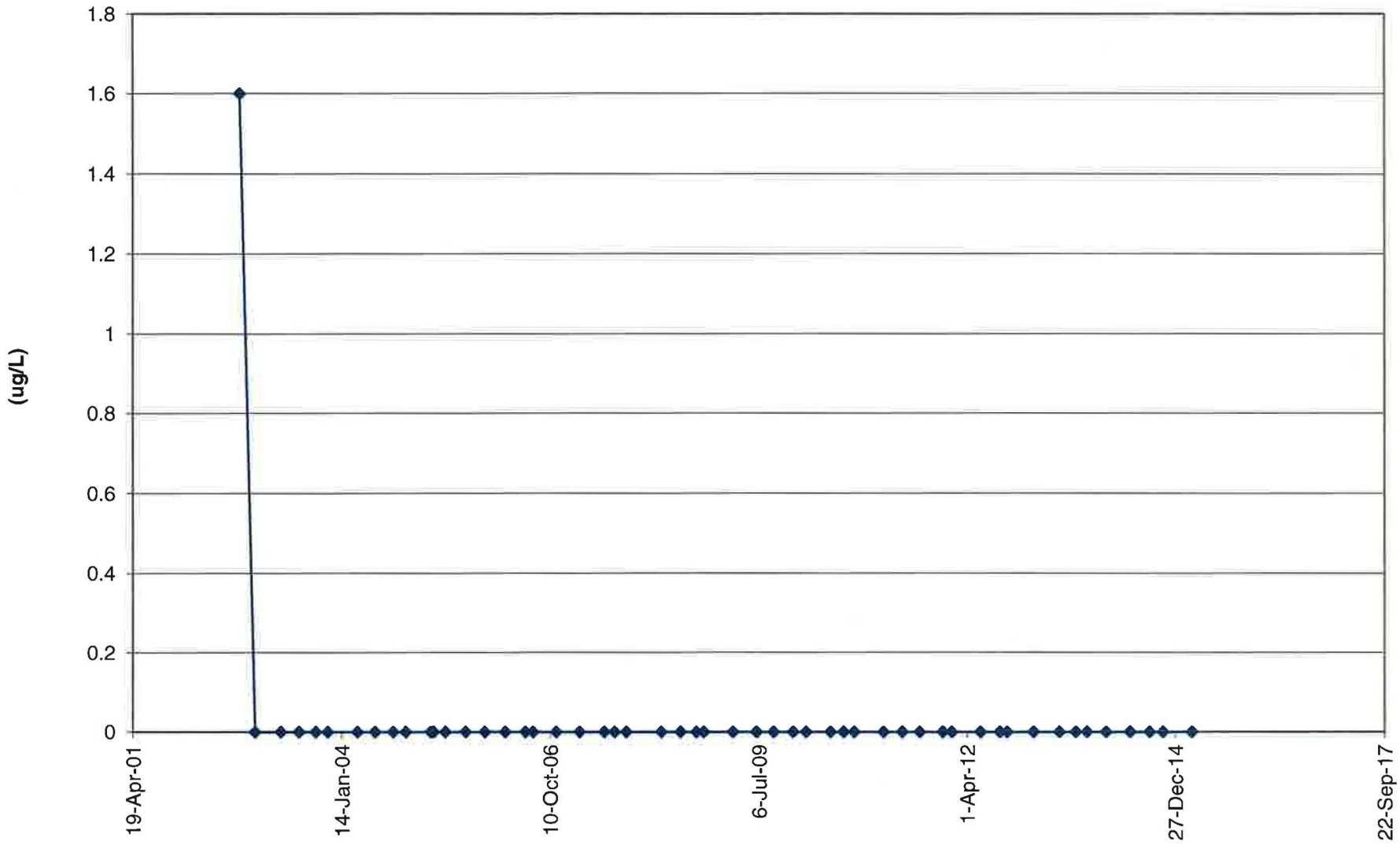



MW-26 Chloroform Values
(ug/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14
10-May-16

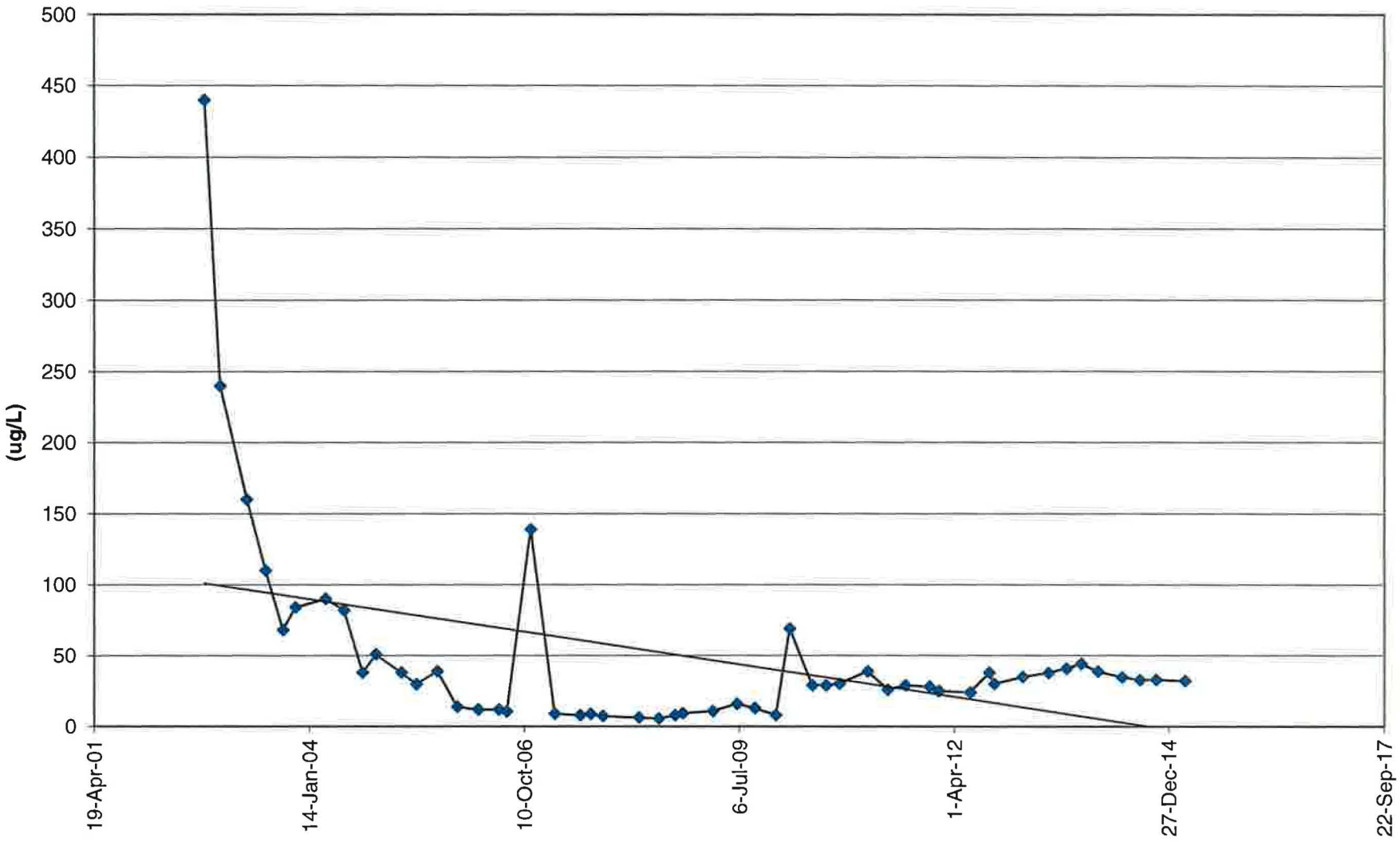
TW4-16 Chloroform Values

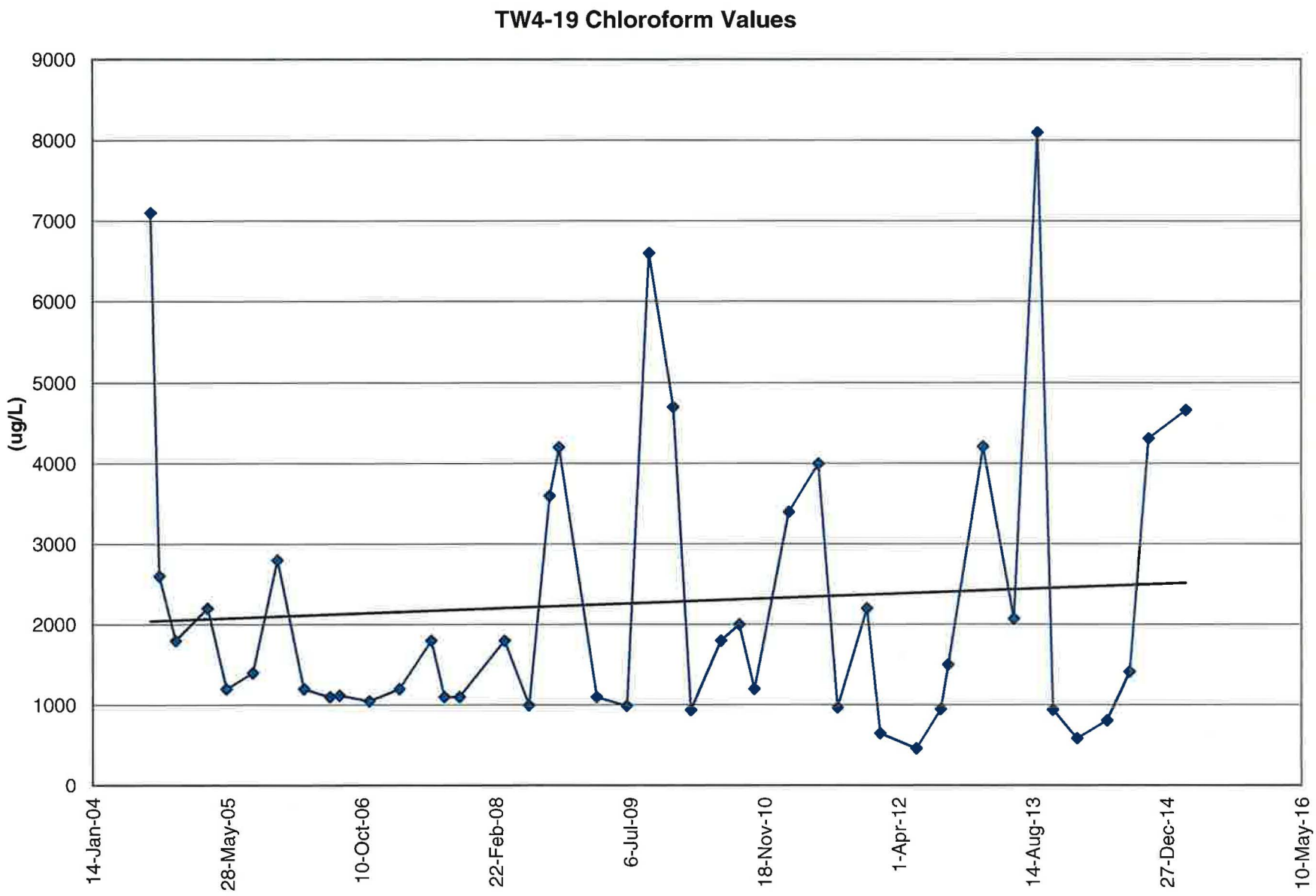


MW-32 Chloroform Values

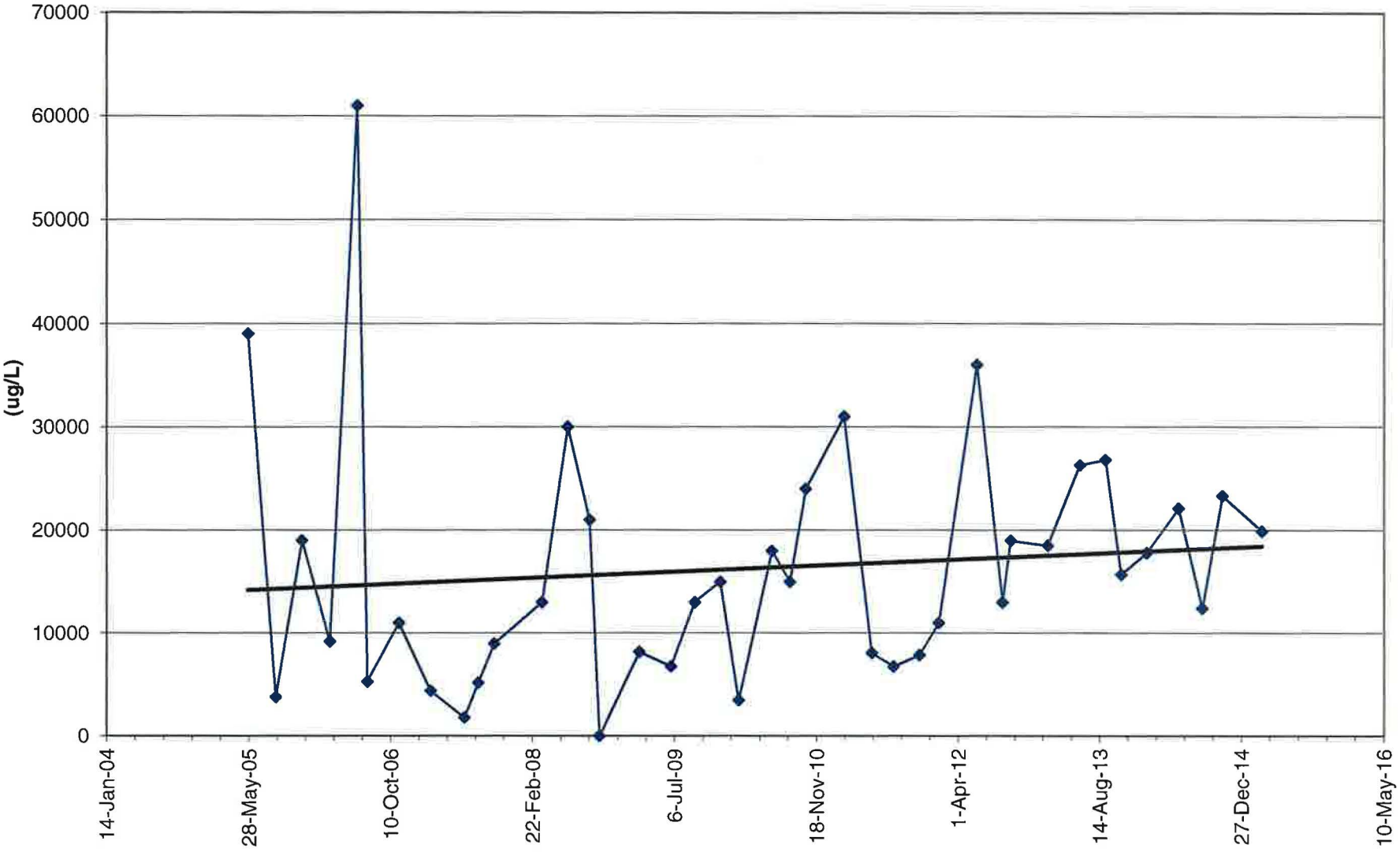


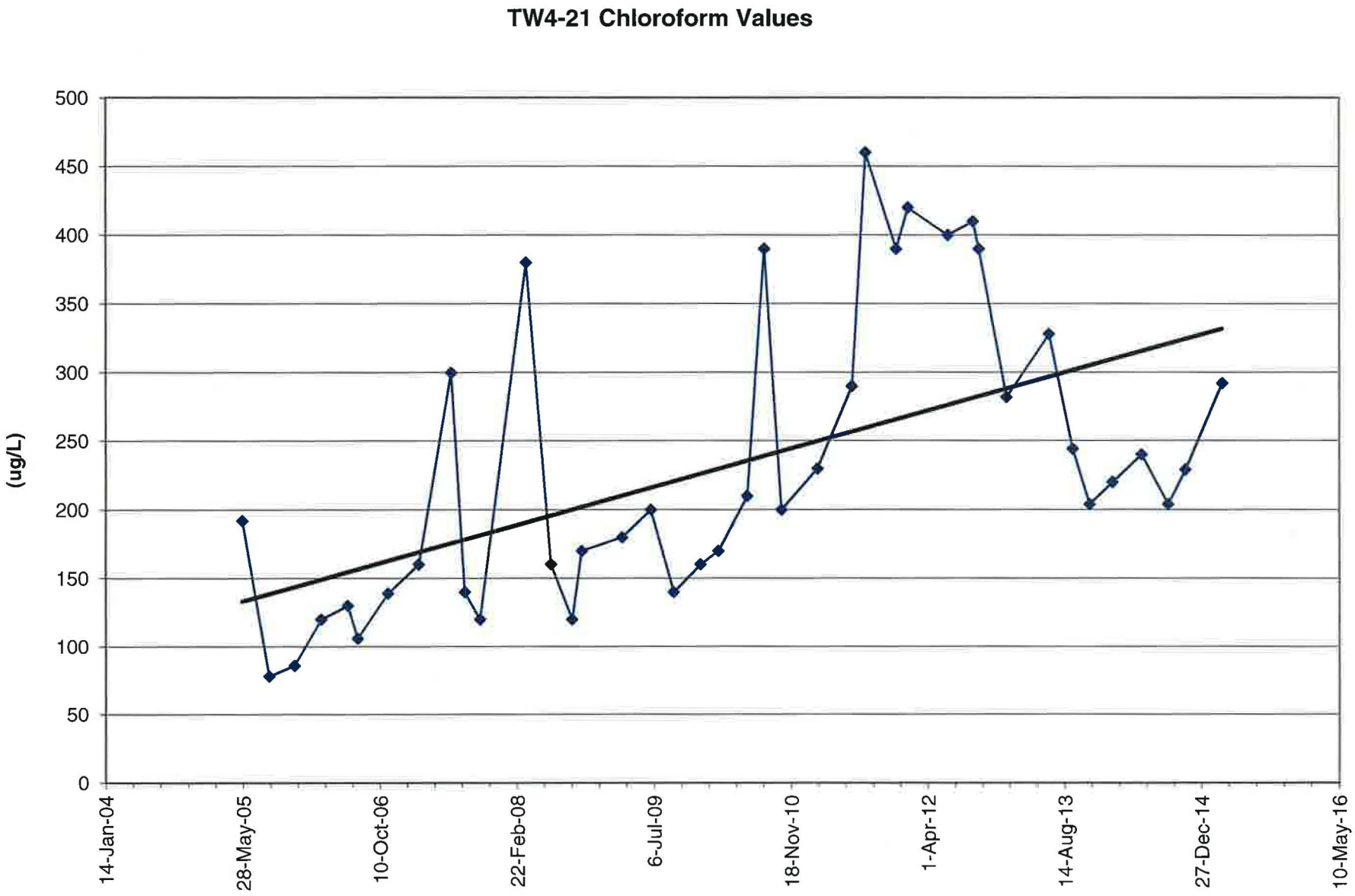
TW4-18 Chloroform Values

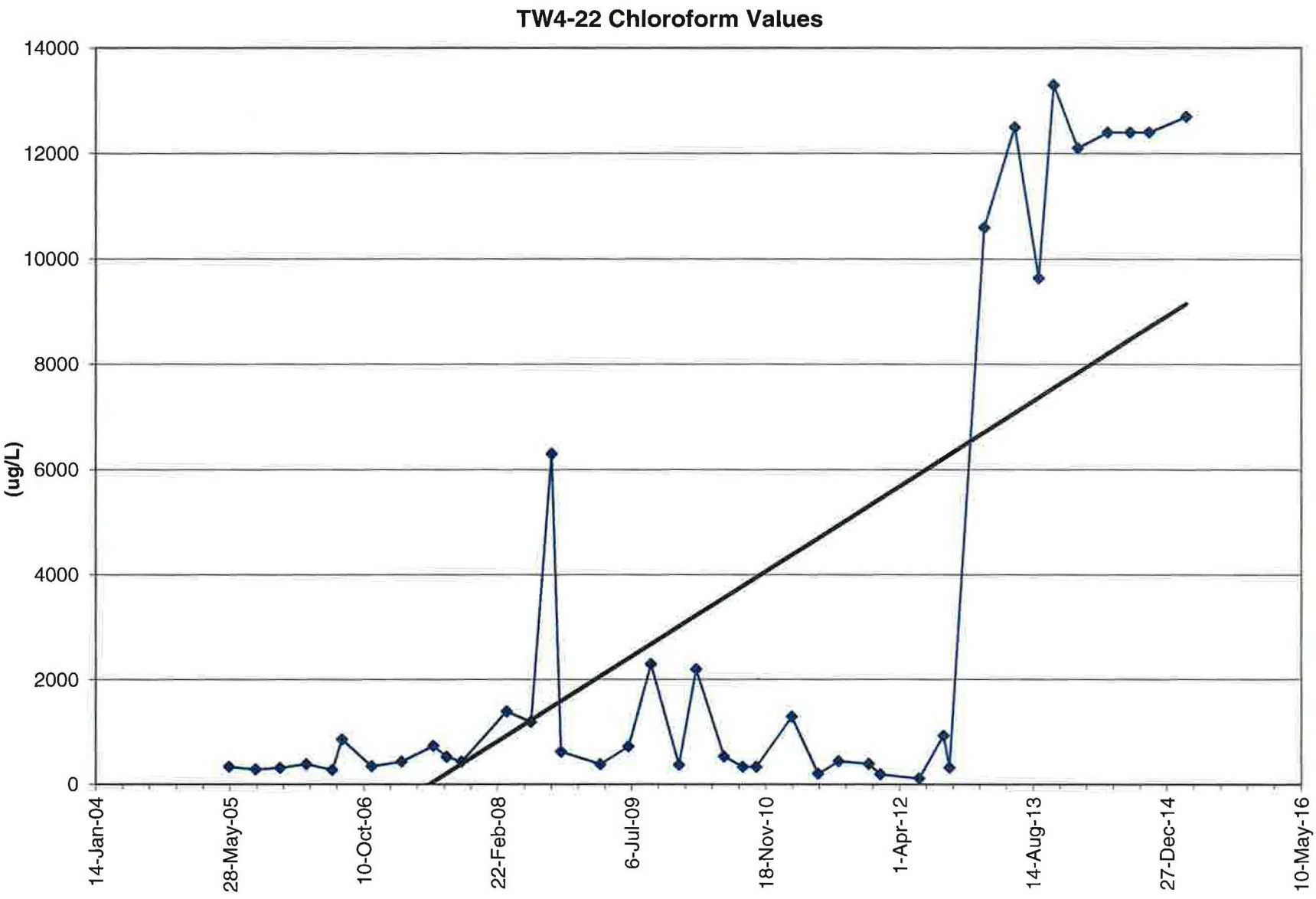



TW4-19 Chloroform Values
(ug/L)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14
10-May-16

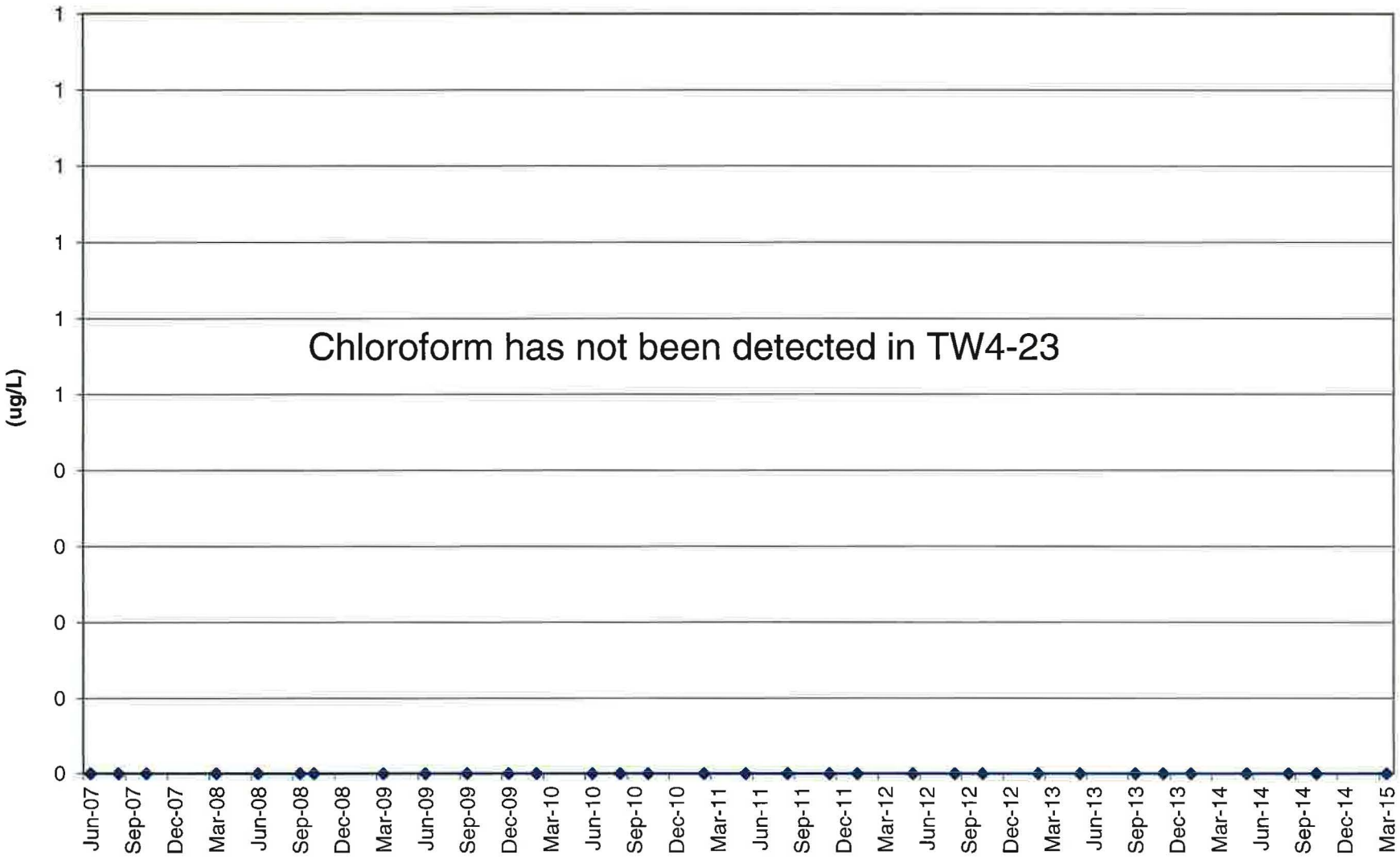
TW4-20 Chloroform Values

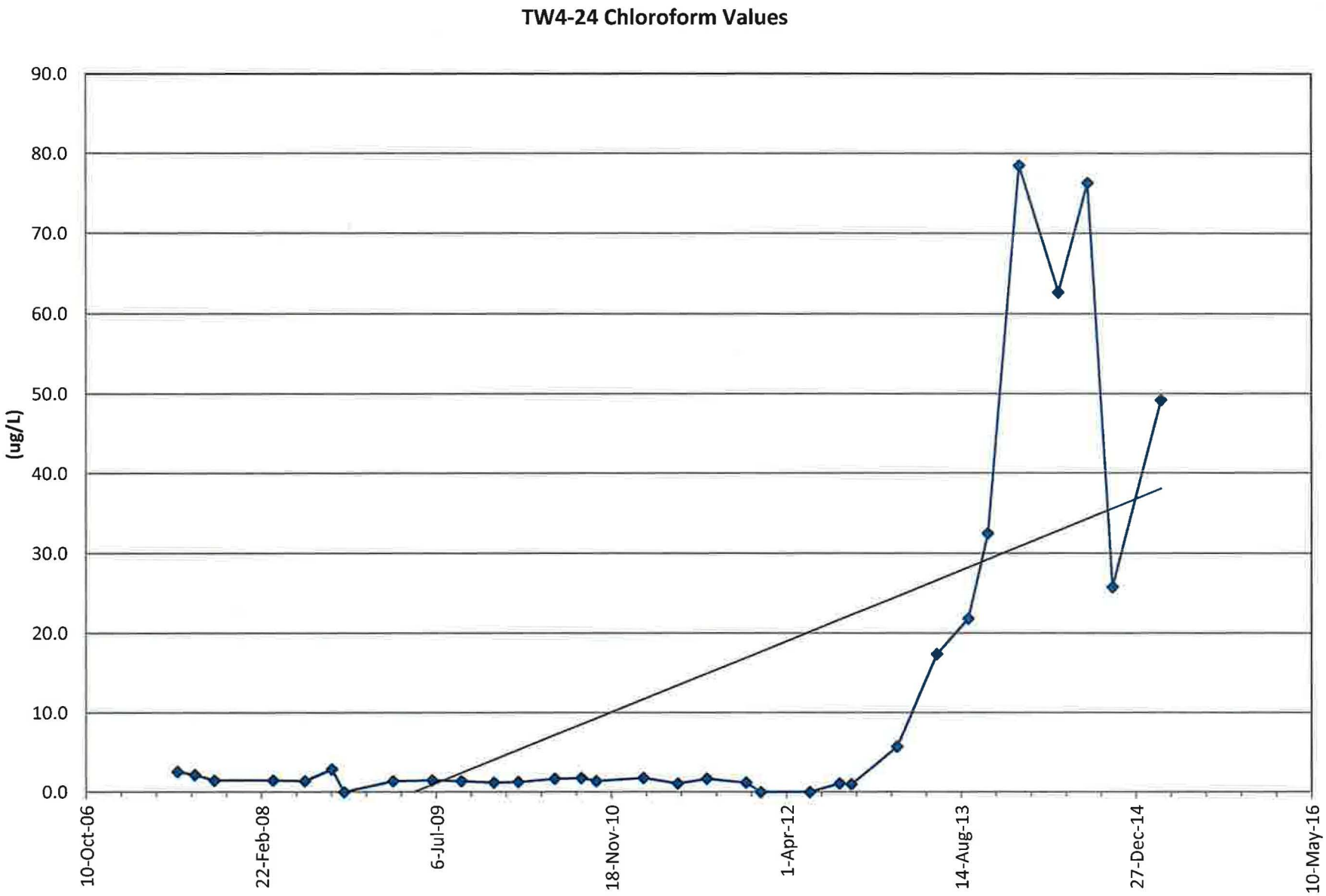



TW4-21 Chloroform Values
(ug/L)
500
450
400
350
300
250
200
150
100
50
0
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14
10-May-16

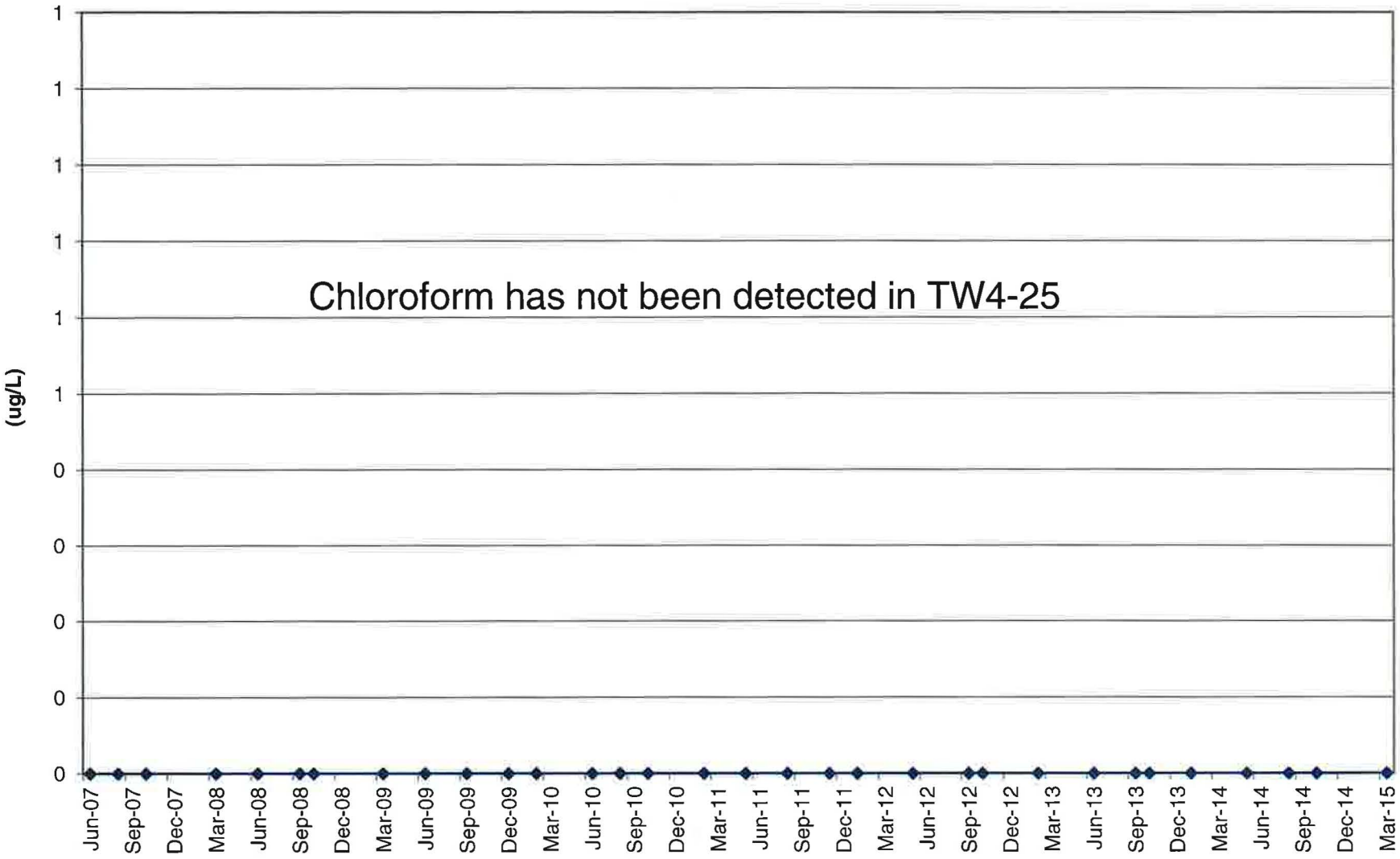

TW4-22 Chloroform Values
(ug/L)
14000
12000
10000
8000
6000
4000
2000
0
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14
10-May-16

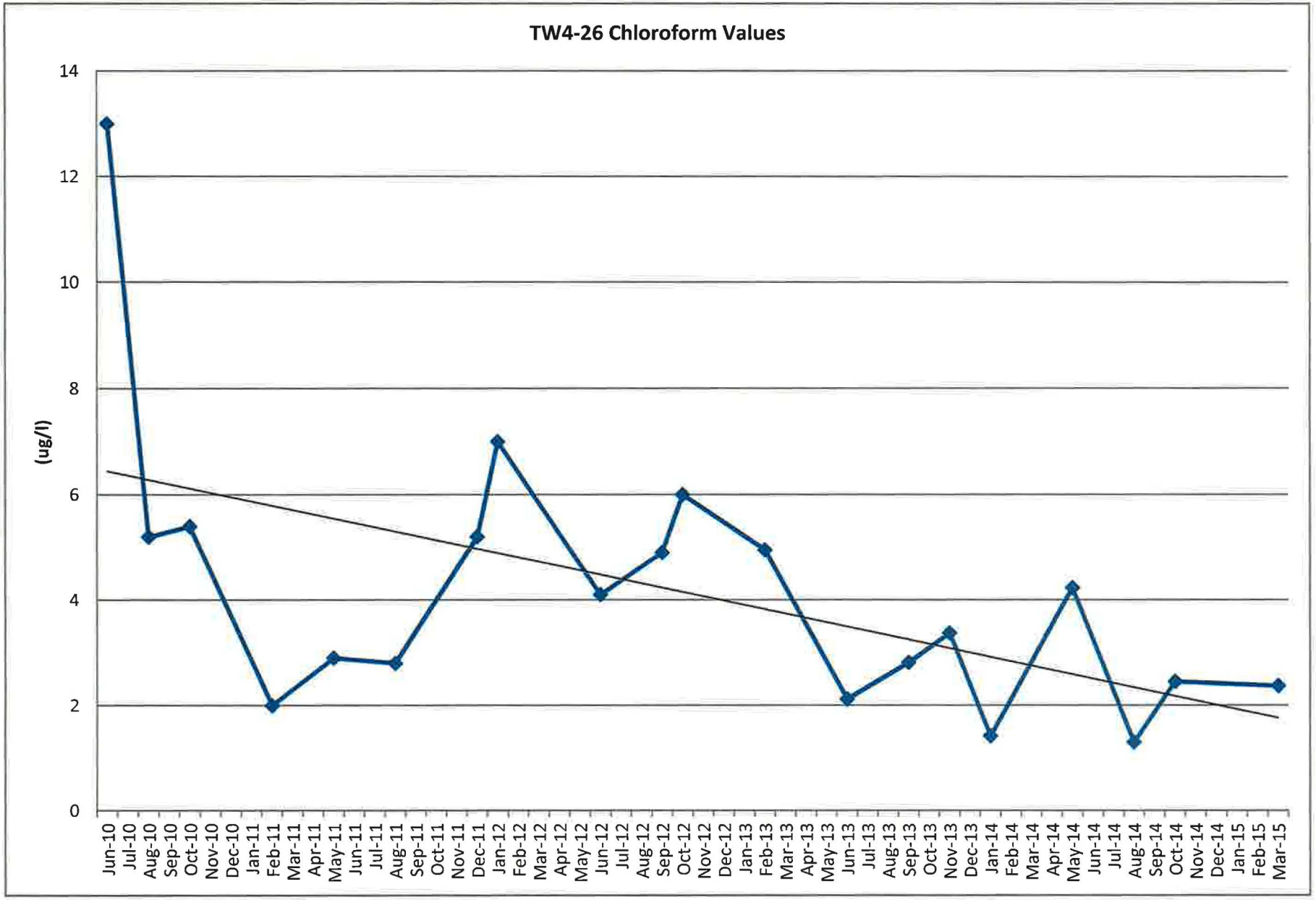
TW4-23 Chloroform Values

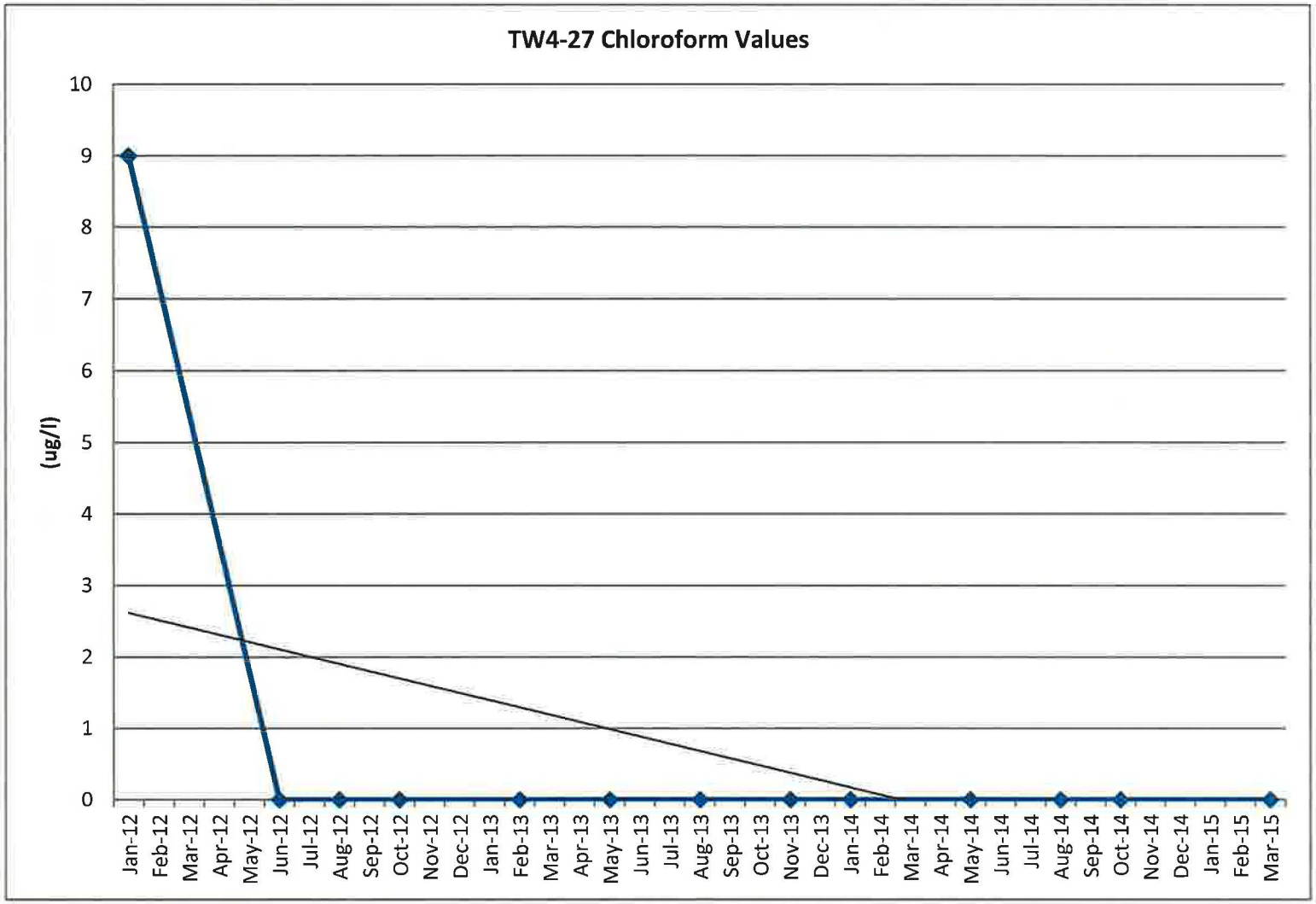



TW4-24 Chloroform Values
(ug/L)
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14
10-May-16

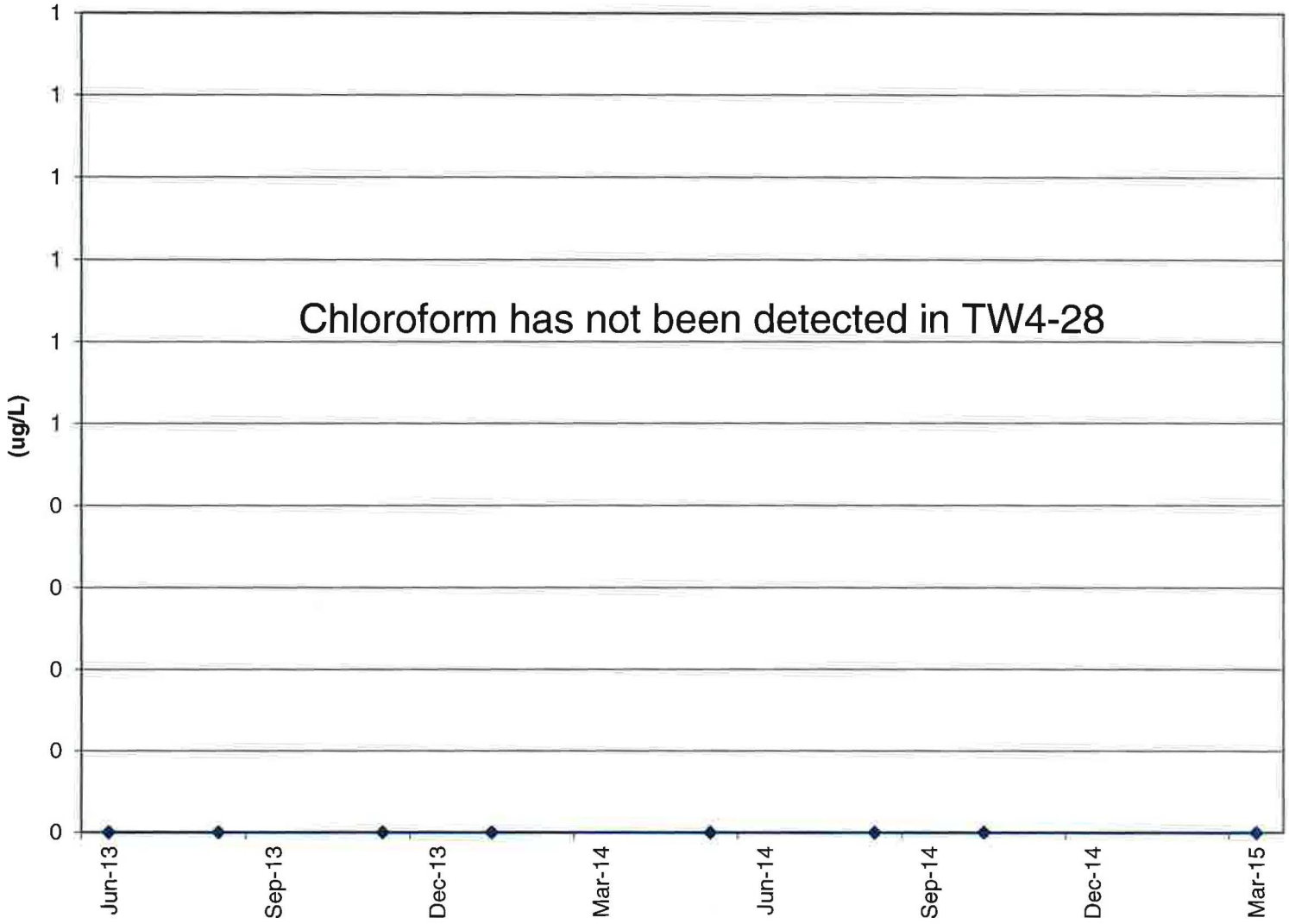
TW4-25 Chloroform Values

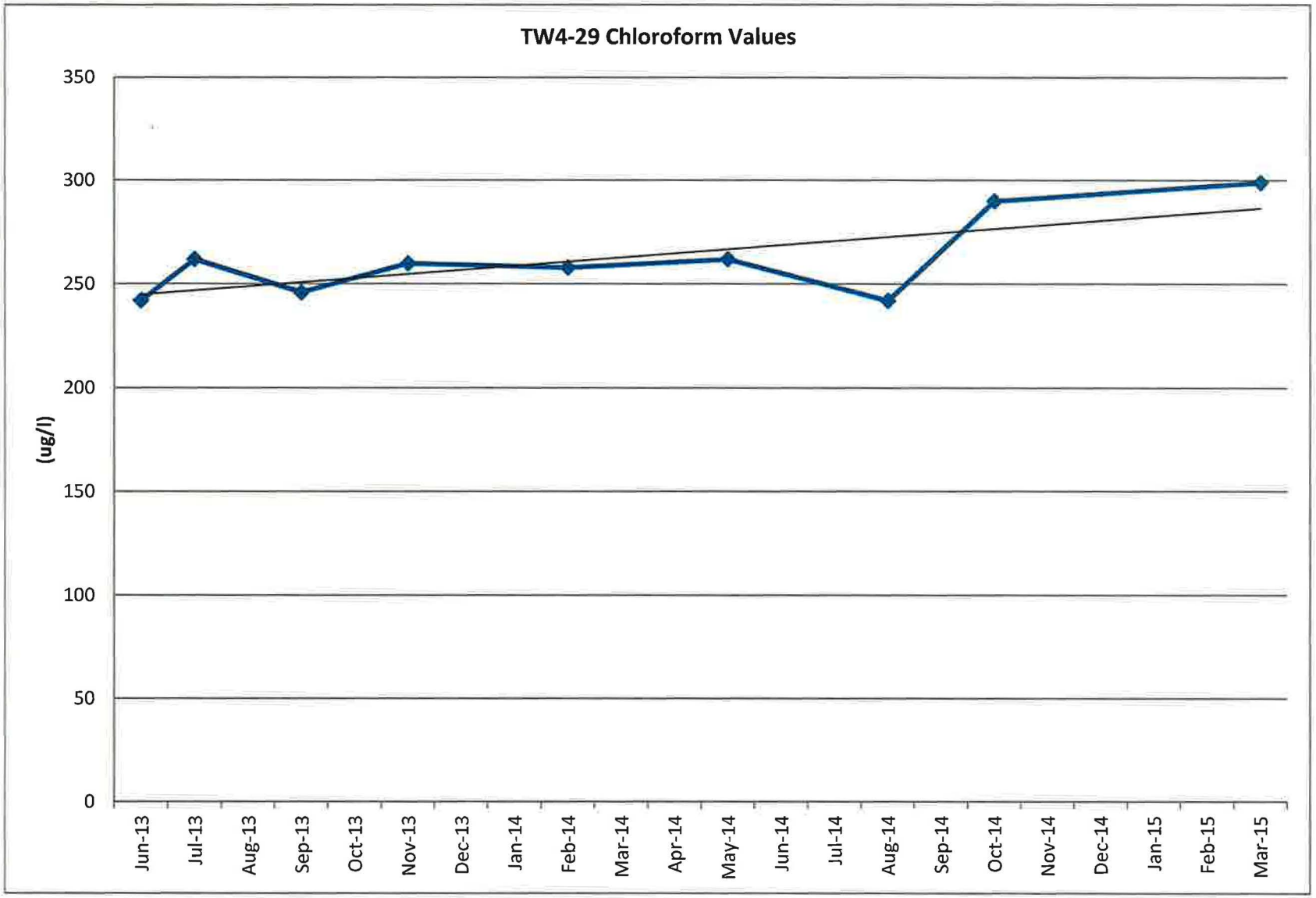



TW4-26 Chloroform Values
(ug/l)
14
12
10
8
6
4
2
0
Jun-10
Jul-10
Aug-10
Sep-10
Oct-10
Nov-10
Dec-10
Jan-11
Feb-11
Mar-11
Apr-11
May-11
Jun-11
Jul-11
Aug-11
Sep-11
Oct-11
Nov-11
Dec-11
Jan-12
Feb-12
Mar-12
Apr-12
May-12
Jun-12
Jul-12
Aug-12
Sep-12
Oct-12
Nov-12
Dec-12
Jan-13
Feb-13
Mar-13
Apr-13
May-13
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
Nov-14
Dec-14
Jan-15
Feb-15
Mar-15

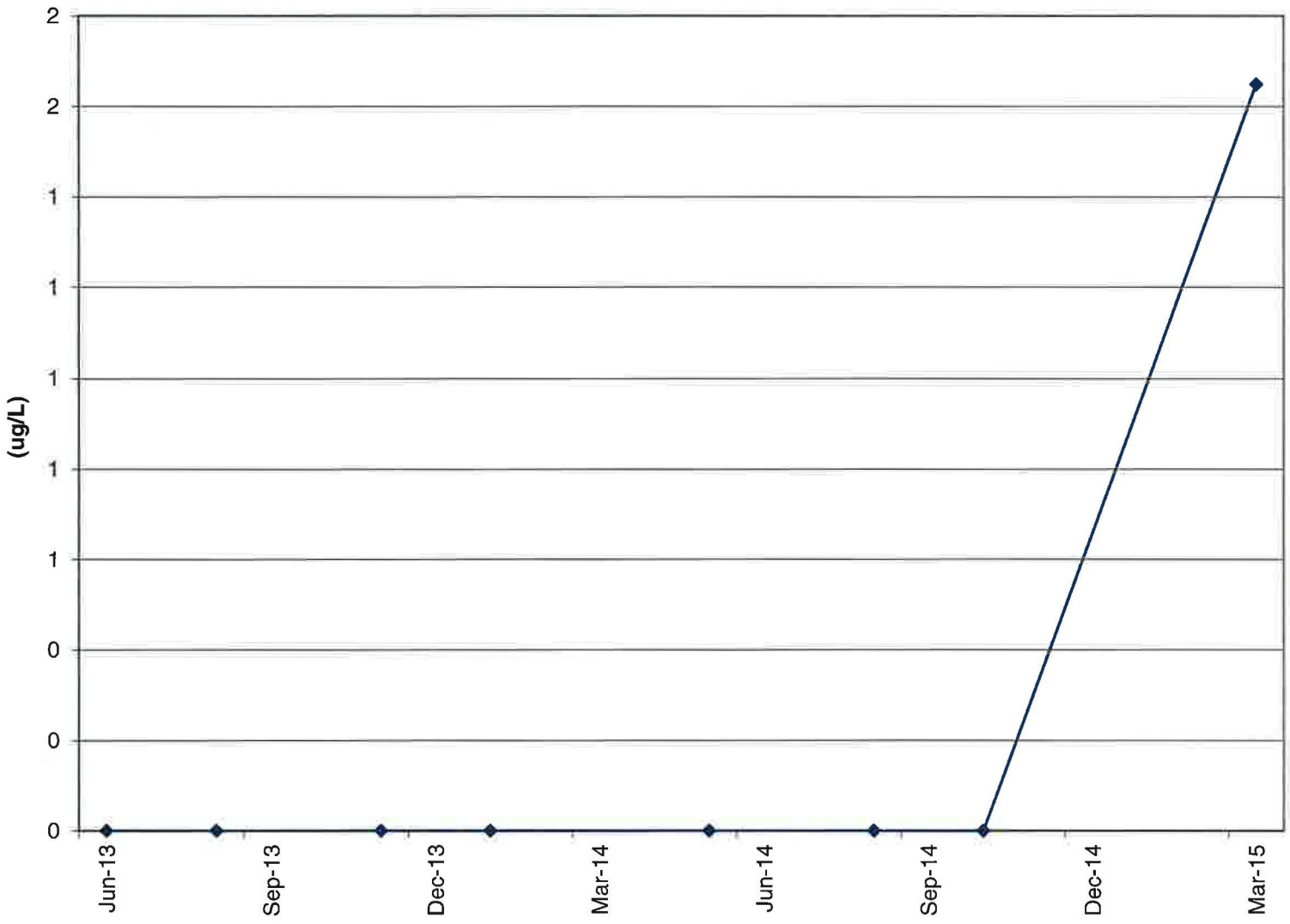

TW4-27 Chloroform Values
(ug/l)
10
9
8
7
6
5
4
3
2
1
0
Jan-12
Feb-12
Mar-12
Apr-12
May-12
Jun-12
Jul-12
Aug-12
Sep-12
Oct-12
Nov-12
Dec-12
Jan-13
Feb-13
Mar-13
Apr-13
May-13
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13
Dec-13
Jan-14
Feb-14
Mar-14
Apr-14
May-14
Jun-14
Jul-14
Aug-14
Sep-14
Oct-14
Nov-14
Dec-14
Jan-15
Feb-15
Mar-15

TW4-28 Chloroform Values

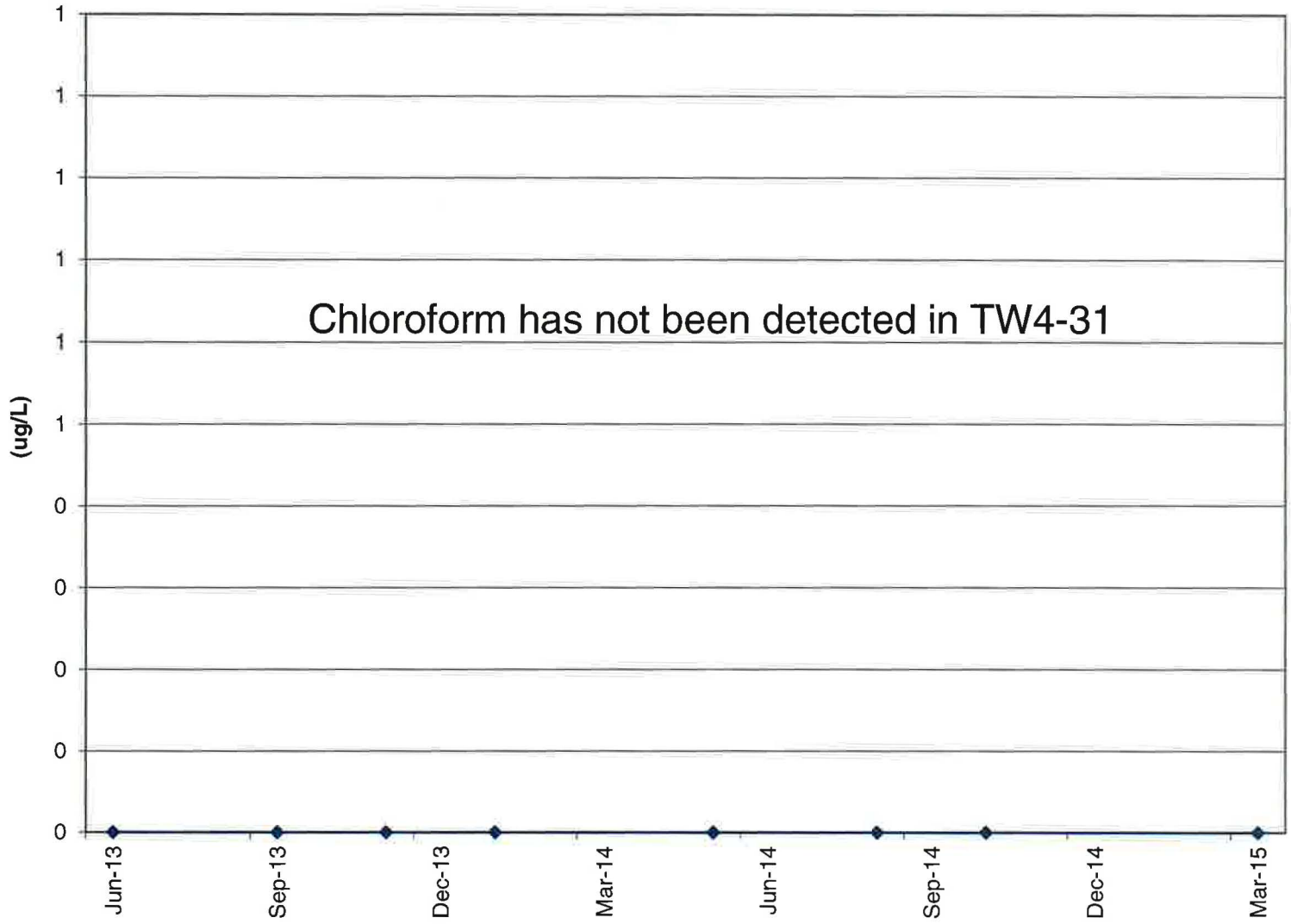



TW4-29 Chloroform Values
(ug/l)
350
300
250
200
150
100
50
0
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13
Dec-13
Jan-14
Feb-14
Mar-14
Apr-14
May-14
Jun-14
Jul-14
Aug-14
Sep-14
Oct-14
Nov-14
Dec-14
Jan-15
Feb-15
Mar-15

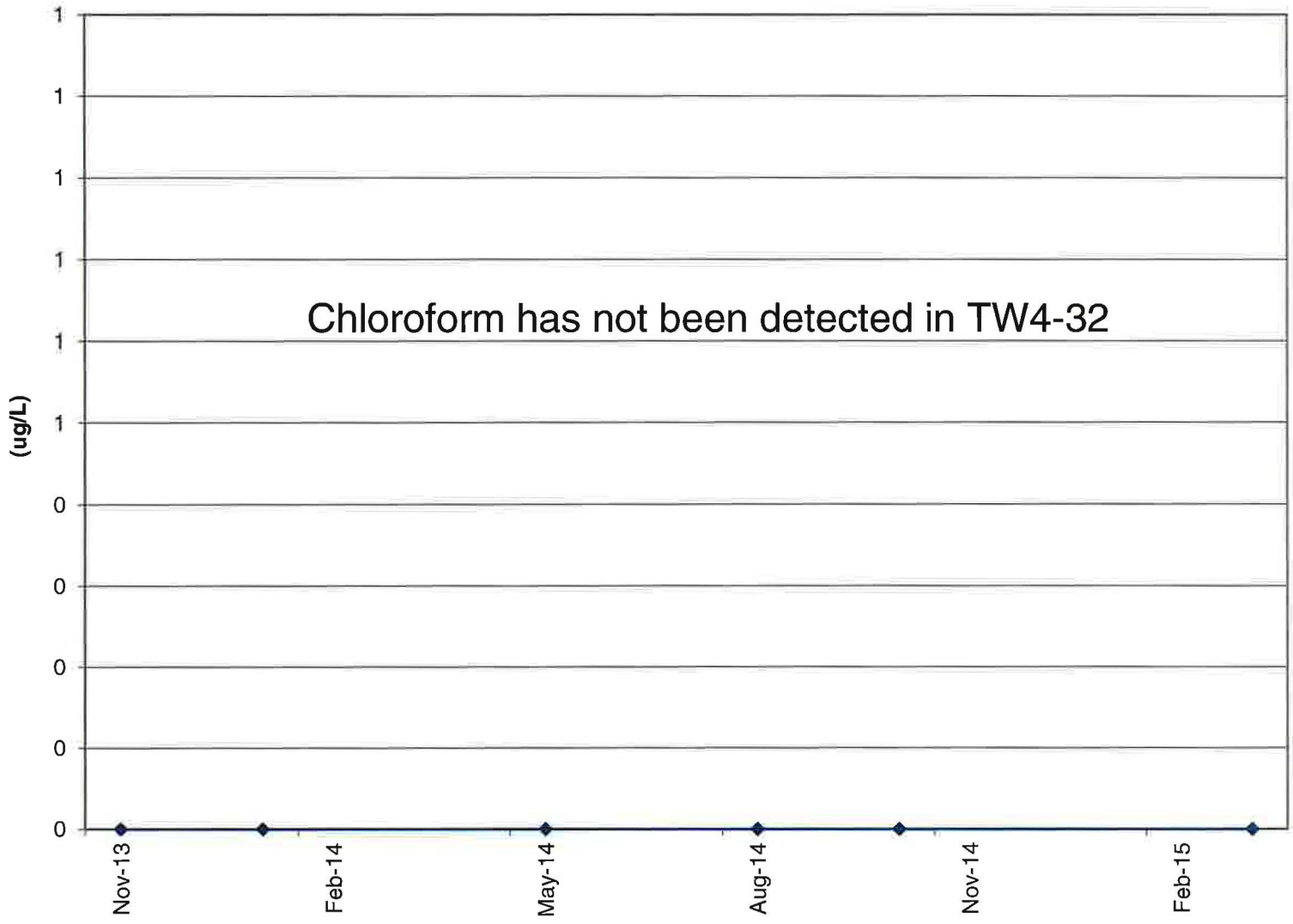
TW4-30 Chloroform Values



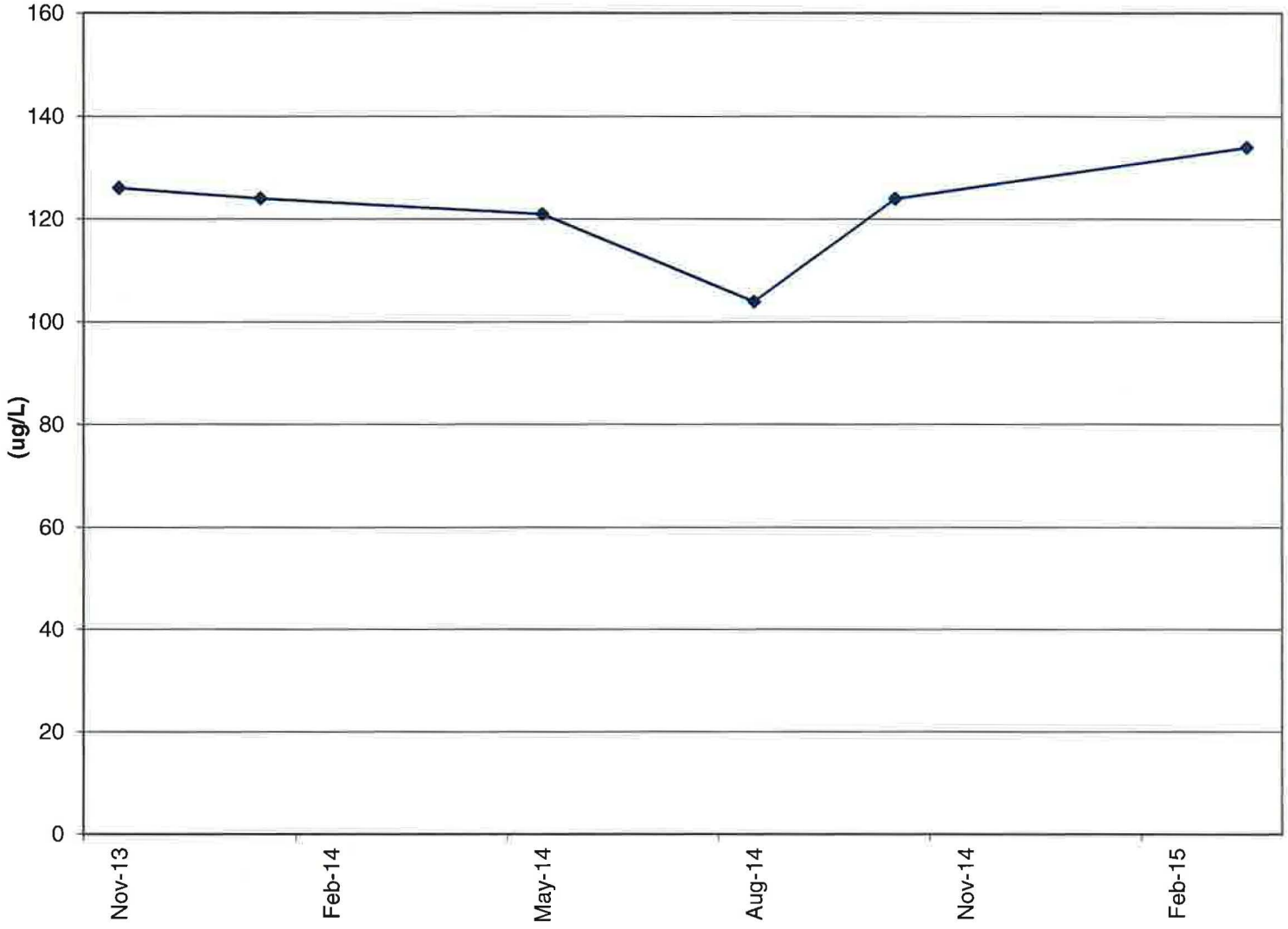
TW4-31 Chloroform Values



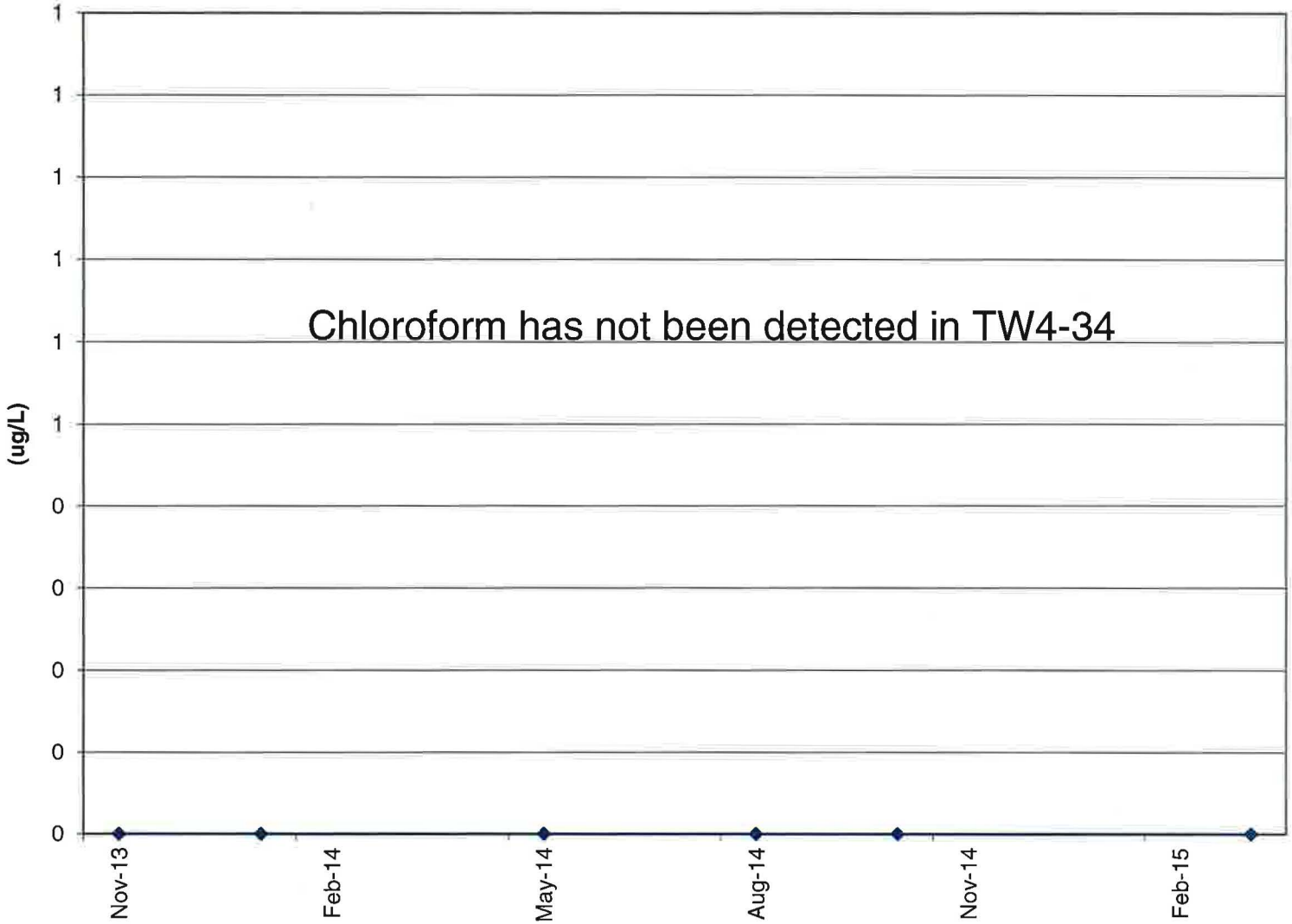
TW4-32 Chloroform Values

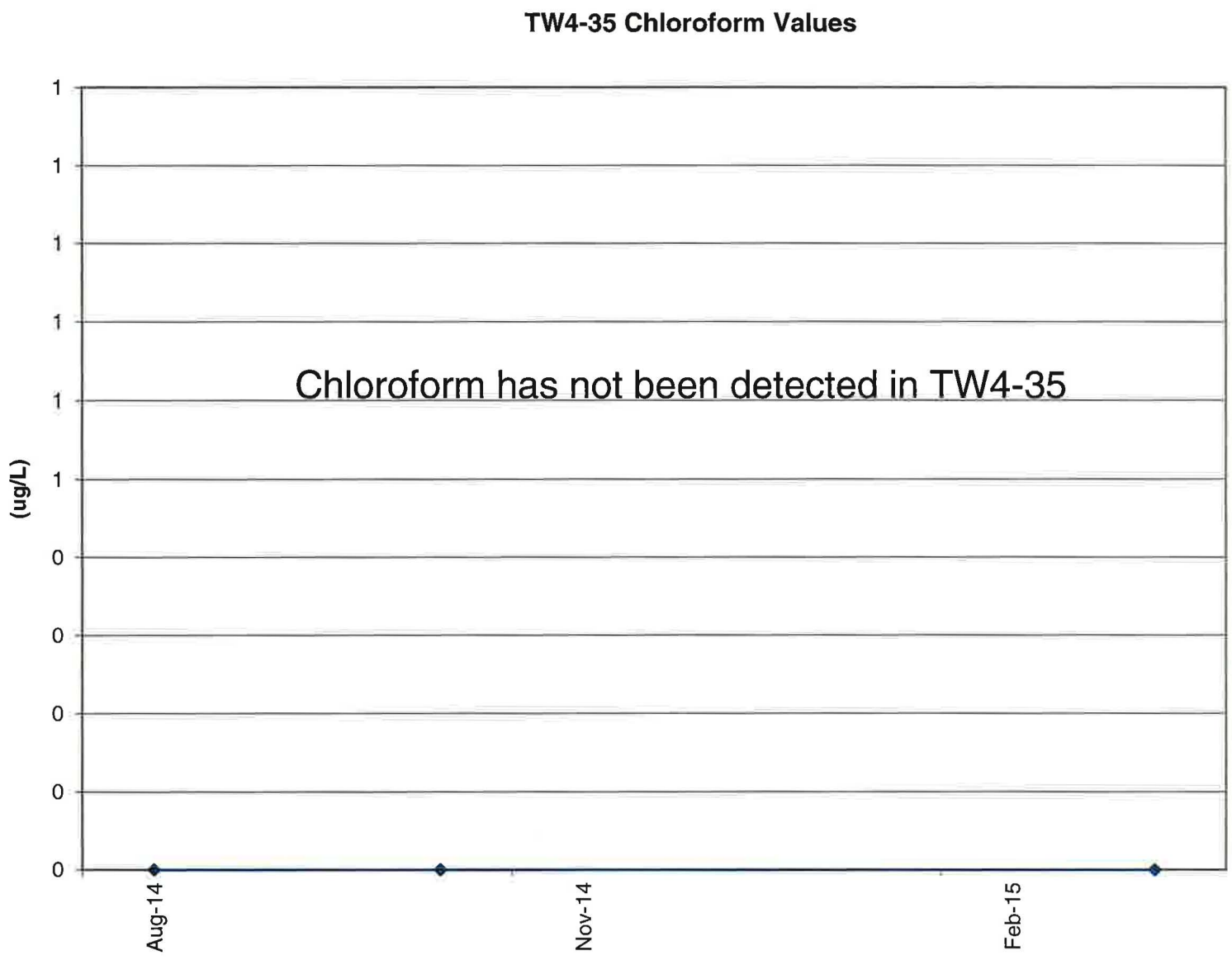


TW4-33 Chloroform Values

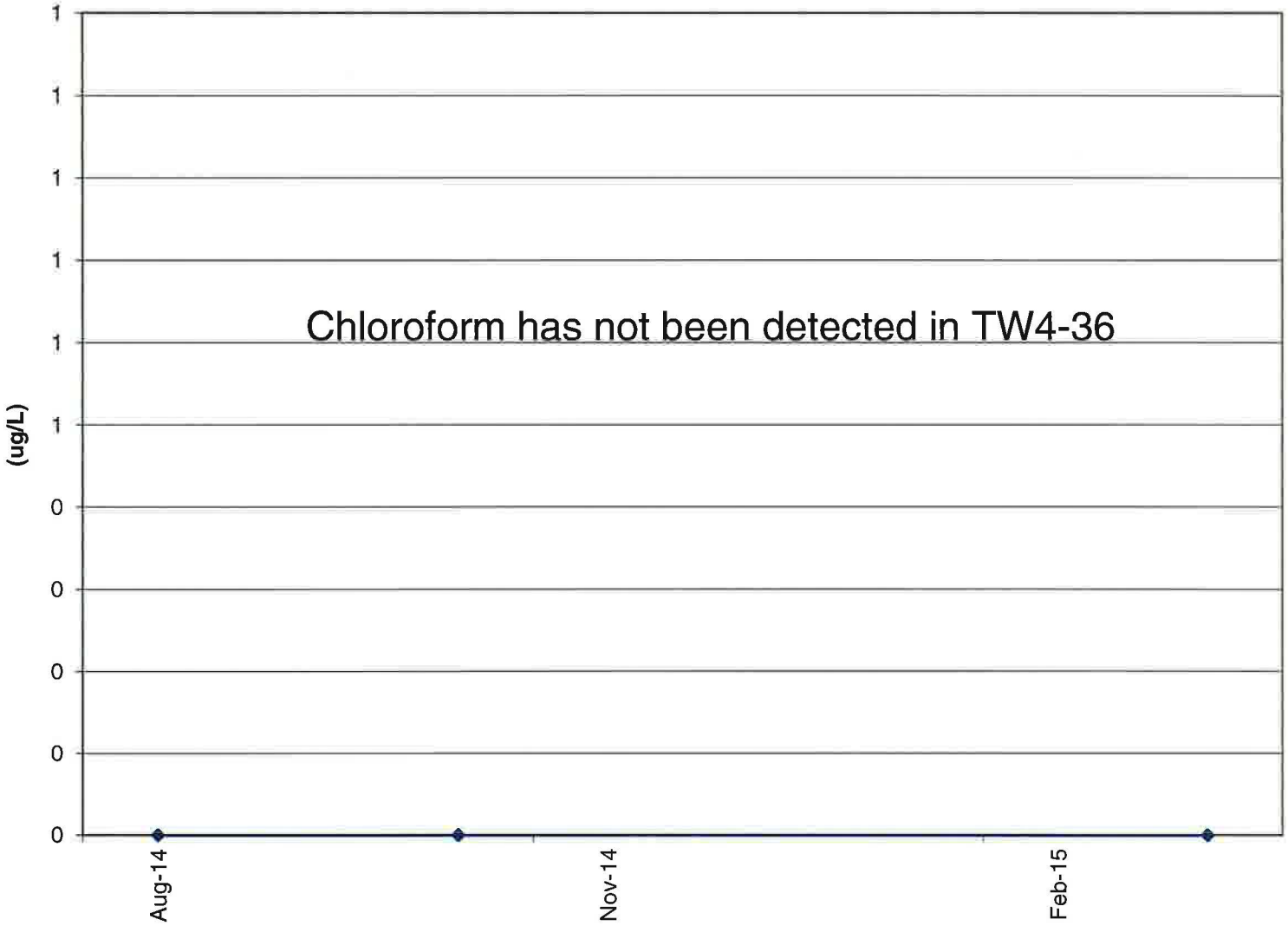


TW4-34 Chloroform Values




TW4-35 Chloroform Values
(ug/L)
1
1
1
1
1
1
0
0
0
0
0
0
Chloroform has not been detected in TW4-35
Aug-14
Nov-14
Feb-15

TW4-36 Chloroform Values



Tab M

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Wednesday, May 20, 2015 7:35 AM
To: Rusty Lundberg (rlundberg@utah.gov)
Cc: 'Phil Goble'; 'Dean Henderson'; Harold Roberts; David Frydenlund; Jaime Massey; David Turk; Scott Bakken; Dan Hillsten; Logan Shumway
Subject: Transmittal of CSV Files White Mesa Mill 2015 Q1 Chloroform Monitoring
Attachments: 1503226-EDD.csv; 1503326-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 first quarter of 2015, in Comma Separated Value (CSV) format.

Please contact me at 303-389-4134 if you have any questions on this transmittal.

Yours Truly

Kathy Weinel

Energy Fuels Resources (USA) Inc.

Kathy Weinel
Quality Assurance Manager

t: 303.389.4134 | f: 303.389.4125
225 Union Blvd., Suite 600
Lakewood, CO 80228

http://www.energyfuels.com

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Tab N

5-Day Notice Pursuant to the Chloroform Pumping Well Operations and Maintenance Plan,

January 5, 2015

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,

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

cc Phil Goble
Dean Henderson, DRC
Dan Hillsten
Harold R. Roberts
David E. Turk