



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

August 14, 2020

Sent VIA OVERNIGHT DELIVERY

Mr. Ty L. Howard
Director
Division of Waste Management and Radiation Control
Utah Department of Environmental Quality
195 North 1950 West
Salt Lake City, UT 84116

Div of Waste Management
and Radiation Control

AUG 19 2020

DRC-2020-015488

**Re: Transmittal of 2nd Quarter 2020 Routine Chloroform Monitoring Report
UDEQ Docket No. UGW-20-01 White Mesa Uranium Mill**

Dear Mr. Howard:

Enclosed are two copies of the White Mesa Uranium Mill Chloroform Monitoring Report for the 2nd Quarter of 2020 as required by the Stipulation and Consent Order, UDEQ Docket No. UGW-20-01 as well as two CDs, that each contains a word searchable electronic copy of the report.

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

Yours very truly,

A handwritten signature in black ink that reads 'Kathy Weinel'.

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

CC: David C. Frydenlund
Paul Goranson
Logan Shumway
Scott Bakken
Terry Slade



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

August 14, 2020

Sent VIA OVERNIGHT DELIVERY

Mr. Ty L. Howard
Director
Division of Waste Management and Radiation Control
Utah Department of Environmental Quality
195 North 1950 West
Salt Lake City, UT 84116

**Re: Transmittal of 2nd Quarter 2020 Routine Chloroform Monitoring Report
UDEQ Docket No. UGW-20-01 White Mesa Uranium Mill**

Dear Mr. Howard:

Enclosed are two copies of the White Mesa Uranium Mill Chloroform Monitoring Report for the 2nd Quarter of 2020 as required by the Stipulation and Consent Order, UDEQ Docket No. UGW-20-01 as well as two CDs, that each contains a word searchable electronic copy of the report.

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

Yours very truly,

A handwritten signature in blue ink that reads 'Kathy Weinel'.

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

CC: David C. Frydenlund
Paul Goranson
Logan Shumway
Scott Bakken
Terry Slade

White Mesa Uranium Mill
Chloroform Monitoring Report

State of Utah
Stipulation and Consent Order Docket No. UGW-20-01

2nd Quarter
(April through June)
2020

Prepared by:



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

August 14, 2020

TABLE OF CONTENTS

1.0	INTRODUCTION.....	1
2.0	CHLOROFORM MONITORING.....	1
2.1	Samples and Measurements Taken During the Quarter	1
2.1.1	Chloroform Monitoring	1
2.1.2	Parameters Analyzed	2
2.1.3	Groundwater Head Monitoring.....	2
2.2	Sampling Methodology and Equipment and Decontamination Procedures	3
2.2.1	Decontamination Procedures	3
2.2.2	Well Purging and Depth to Groundwater	4
2.2.3	Sample Collection.....	5
2.3	Field Data.....	6
2.4	Depth to Groundwater Data and Water Table Contour Map.....	6
2.5	Laboratory Results	6
2.5.1	Copy of Laboratory Results	6
2.5.2	Regulatory Framework	6
3.0	QUALITY ASSURANCE AND DATA VALIDATION	6
3.1	Field QC Samples	7
3.2	Adherence to Mill Sampling SOPs	7
3.3	Analyte Completeness Review	7
3.4	Data Validation	8
3.4.1	Field Data QA/QC Evaluation.....	8
3.4.2	Holding Time Evaluation.....	9
3.4.3	Receipt Temperature Evaluation.....	9
3.4.4	Analytical Method Checklist	9
3.4.5	Reporting Limit Evaluation	9
3.4.6	Receipt pH Evaluation	10
3.4.7	Trip Blank Evaluation.....	10
3.4.8	QA/QC Evaluation for Sample Duplicates	10
3.4.9	Rinsate Sample Check	10
3.4.10	Other Laboratory QA/QC	11
4.0	INTERPRETATION OF DATA	12
4.1	Interpretation of Groundwater Levels, Gradients and Flow Directions.	12
4.1.1	Current Site Groundwater Contour Map.....	12
4.1.2	Comparison of Current Groundwater Contour Maps to Groundwater Contour Maps for Previous Quarter.....	19
4.1.3	Hydrographs.....	20
4.1.4	Depth to Groundwater Measured and Groundwater Elevation.....	20
4.1.5	Evaluation of the Effectiveness of Hydraulic Capture	20
4.2	Review of Analytical Results.....	25
4.2.1	Current Chloroform Isoconcentration Map	25
4.2.2	Chloroform Concentration Trend Data and Graphs.....	25
4.2.3	Interpretation of Analytical Data	25
5.0	LONG TERM PUMP TEST AT MW-4, MW-26, TW4-19, TW4-20, AND TW4-4 OPERATIONS REPORT	29
5.1	Introduction.....	29

5.2	Pump Test Data Collection	30
5.3	Water Level Measurements	30
5.4	Pumping Rates and Volumes	30
5.4.1	TW4-19	31
5.5	Mass Removed and Plume Residual Mass	31
5.6	Inspections	32
5.7	Conditions That May Affect Water Levels in Piezometers	32
6.0	CORRECTIVE ACTION REPORT	32
6.1	Assessment of Previous Quarter's Corrective Actions	32
7.0	CURRENT COMPLIANCE STATUS	32
7.1	Long Term Chloroform Plume Control	32
7.2	Well Construction, Maintenance and Operation	33
7.3	Disposal of Extracted Groundwater	33
7.4	Compliance Well Performance	33
7.5	Chloroform Plume Monitoring for Wells within 500 Feet of the Property Boundary	33
8.0	CONCLUSIONS AND RECOMMENDATIONS.....	33
9.0	ELECTRONIC DATA FILES AND FORMAT	39
10.0	SIGNATURE AND CERTIFICATION	40

LIST OF TABLES

Table 1	Summary of Wells Sampling for the Period
---------	--

INDEX OF TABS

- Tab A Site Plan and Perched Well Locations White Mesa Site
- Tab B Order of Sampling and Field Data Worksheets
- Tab C Weekly and Monthly Depth to Water Data
- Tab D Kriged Current Quarter Groundwater Contour Map, Capture Zone Map, Capture Zone Details Map and Depth to Water Data
- Tab E Kriged Previous Quarter Groundwater Contour Map
- Tab F Depths to Groundwater and Elevations and Hydrographs of Groundwater Elevations over Time for Chloroform Monitoring Wells
- Tab G Chloroform Mass Removed and Volume Pumped in Chloroform Pumping Wells over Time
- Tab H Laboratory Analytical Reports
- Tab I Quality Assurance and Data Validation Tables
- I-1 Field Data QA/QC Evaluation
 - I-2 Holding Time Evaluation
 - I-3 Receipt Temperature Check
 - I-4 Analytical Method Check
 - I-5 Reporting Limit Evaluation
 - I-6 Trip Blank Evaluations
 - I-7 QA/QC Evaluation for Sample Duplicates
 - I-8 QC Control Limits for Analyses and Blanks
 - I-9 Rinsate Check
- Tab J Kriged Current Quarter Chloroform Isoconcentration Map
- Tab K Analyte Concentration Data and Chloroform Concentration Trend Graphs over Time
- Tab L Contour Map Based Chloroform Plume Mass Calculations and Data Over Time
- Tab M CSV Transmittal Letter
- Tab N Exceedance Notices for the Reporting Period

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 Waste Management and Radiation Control (“DWMRC”) 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). In response to the NOV, EFRI submitted a series of documents outlining plans for investigation of the chloroform contamination. This plan of action and preliminary schedule was set out in EFRI submittals dated: September 20, 1999; June 30, 2000; April 14, 2005; and November 29, 2006. EFRI submitted a draft Groundwater Corrective Action Plan (“GCAP”) dated August 22, 2007. The draft GCAP was reviewed by the Director, who advised EFRI in 2013 that modifications were required. In an effort to expedite and formalize active and continued remediation of the chloroform plume, both parties have agreed to the GCAP found in Attachment 1, of the final Stipulation and Consent Order (“SCO”) dated September 14, 2015.

This is the Quarterly Chloroform Monitoring Report for the second quarter of 2020 as required under the SCO. This report also includes the Operations Report for MW-04, TW4-01, TW4-04, TW4-02, TW4-11, TW4-19, TW4-20, TW4-21, MW-26, TW4-22, TW4-24, TW4-25, TW4-37, TW4-39, TW4-40, and TW4-41 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:

MW-4	TW4-9	TW4-18	TW4-27	TW4-36
TW4-1	TW4-10	TW4-19	TW4-28	TW4-37
TW4-2	TW4-11	TW4-20	TW4-29	TW4-38
TW4-3	TW4-12	TW4-21	TW4-30	TW4-39
TW4-4	TW4-13	TW4-22	TW4-31	TW4-40
TW4-5	TW4-14	TW4-23	TW4-32	TW4-41
TW4-6	MW-26 (formerly TW4-15)	TW4-24	TW4-33	TW4-42
TW4-7	TW4-16	TW4-25	TW4-34	
TW4-8	MW-32 (formerly TW4-17)	TW4-26	TW4-35	

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 rinse 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 7.6, dated August 22, 2019.

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, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-37, TW4-39, TW4-40, and TW4-41 and the nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-02. 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 DWMRC 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 DWMRC's approval of the QAP, for reasons set out in correspondence to DWMRC dated December 8, 2006. Subsequent to the delivery of the December 8, 2006 letter, EFRI discussed the issues brought forward in the letter with DWMRC and has received correspondence from DWMRC about those issues. In response to DWMRC's letter and subsequent discussions with DWMRC, 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, August 15, 2017, July 23, 2018, May 14, 2019, and August 22, 2019. The revised Groundwater QAP and Chloroform QAP, Revision 7.6 were approved by DWMRC on September 10, 2019.

The sampling methodology, equipment and decontamination procedures used in the chloroform contaminant investigation, as summarized below, are consistent with the approved QAP and the Chloroform QAP.

2.2.1 Decontamination Procedures

Non-dedicated sampling equipment is decontaminated prior to use as described in the DWMRC-approved QAP and as summarized below.

The water level meter is decontaminated with a detergent/deionized ("DI") water mixture by pouring the solutions over the water level indicator. The water level meter is then rinsed with DI water.

The field measurement instrument probe is decontaminated by rinsing with DI water prior to each calibration. The sample collection cup is washed with a detergent/DI water solution and rinsed with fresh DI water prior to each calibration.

The non-dedicated purging pump is decontaminated after each use and prior to use at subsequent sampling locations using the following procedures:

- a) the pump is submerged into a 55-gallon drum of nonphosphate detergent/DI water mixture;
- b) the detergent/DI water solution is pumped through the pump and pump outlet lines into the drain line connected to Cell 1;
- c) the pump is submerged into a 55-gallon drum of DI water;

d) the DI water solution is pumped through the pump and pump outlet lines into the drain line connected to Cell 1;

2.2.2 Well Purging and Depth to Groundwater

The non-pumping 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 the non-pumping wells 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 starting with the lowest concentration and proceeding to the wells with the highest concentration. One deviation to this practice is made for the continuously pumping wells. These wells are sampled throughout the sampling event and are not sampled in the order of contamination. This practice does not affect the samples for this reason: the pumping wells have dedicated pumps and there will be no cross-contamination resulting from the sampling order.

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, 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 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, Dissolved Oxygen (“DO”) and water temperature
2. Purging two casing volumes with stable field parameters for specific conductivity, turbidity, pH, redox potential, DO, 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.

2.2.3 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 H₂SO₄;
- 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, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-22, TW4-24, TW4-25, TW4-37, TW4-39, TW4-40, TW4-41 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 SCO triggered a series of actions on EFRI's part. In addition to the monitoring program, EFRI has equipped one nitrate well and fifteen chloroform 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, three duplicate samples were collected as indicated in Table 1. The duplicates were sent blind to the analytical laboratory and analyzed for the same parameters as the chloroform wells.

Three trip blanks were provided by AWAL and returned with the quarterly chloroform monitoring samples.

Two rinsate blank samples were collected 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 GCAP for chloroform monitoring for the period were performed.

3.4 Data Validation

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

3.4.1 Field Data QA/QC Evaluation

The QA Manager performs a review of the field recorded parameters to assess their adherence with QAP requirements. The assessment involved review of two sources of information: the Field Data Sheets and the Quarterly Depth to Water summary sheet. Review of the Field Data Sheets addresses well purging volumes and measurement of field parameters based on the requirements discussed in section 2.2.1 above. The purging technique employed determines the requirements for field parameter measurement and whether stability criteria are applied. Review of the Depth to Water data confirms that all depth measurements used for development of the groundwater contour maps were conducted within a five-day period as indicated by the measurement dates in the summary sheet under Tab D. The results of this quarter's review of field data are provided under Tab I.

Based upon the review of the field data sheets, the purging and field measurements were completed in conformance with the QAP requirements. A summary of the purging techniques employed and field measurements taken is described below:

Purging Two Casing Volumes with Stable Field Parameters (within 10% RPD)

Wells TW4-5, TW4-8, TW4-9, TW4-16, MW-32, TW4-18, TW4-23, TW4-32, and TW4-38 were sampled after two casing volumes were removed. Field parameters (pH, specific conductivity, turbidity, water temperature, DO, and redox potential) were measured during purging. All field parameters for this requirement were stable within 10% RPD.

Purging a Well to Dryness and Stability of a Limited List of Field Parameters

Wells TW4-3, TW4-6, TW4-7, 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, TW4-36, and TW4-42 were pumped to dryness before two casing volumes were evacuated. After well recovery, one set of measurements of pH, conductivity and temperature were taken. The samples were then collected, and another set of measurements of pH, conductivity and temperature were taken. Stabilization of pH, conductivity and temperature are required within 10% RPD under the QAP. The QAP requirements for stabilization were met.

Continuously Pumped Wells

Wells MW-4, TW4-1, TW4-2, TW4-4, TW4-11, MW-26, TW4-19, TW4-20, TW4-21, TW4-22, TW4-24, TW4-25, TW4-37, TW4-39, TW4-40, and TW4-41 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 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 TW4-9, TW4-16, MW-32, TW4-18, TW4-21, TW4-23, TW4-24, TW4-32, and TW4-38 exceeded the QAP's 5 NTU goal. EFRI's letter to DWMRC of March 26, 2010 discusses further why turbidity does not appear to be an appropriate parameter for assessing well stabilization. In response to DWMRC's subsequent correspondence dated June 1, 2010 and June 24, 2010, EFRI completed a monitoring well redevelopment program. The redevelopment report was submitted to DWMRC on September 30, 2011. DWMRC responded to the redevelopment report via letter on November 15, 2012. Per the DWMRC 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. All of the trip blank samples were nondetect.

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.

Duplicate results were within a 20% RPD in the quarterly samples. Duplicate results are included in Tab I.

3.4.9 Rinsate Sample Check

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

Rinsate blank sample TW4-3R had a reported chloroform detection of 3.05 ug/L. TW4-3 was nondetect for chloroform. Rinsate blank sample TW4-9R had a reported chloroform detection of 1.98 ug/L. TW4-9 had a chloroform detection of 55.1 ug/L. The rinsate blank results for TW4-3 were outside of acceptance limits for the rinsate blank results.

TW4-3R was collected after decontamination and prior to the pump being used to collect any Q2 2020 chloroform samples. Because the pump was not used prior to the rinsate sample collection, the detection is not the result of cross contamination. TW4-9R was collected after the decontamination was completed after purging well TW4-5 and prior to sampling TW4-9. TW4-9 had a chloroform detection of 55.1 ug/L. The chloroform detection of 55.1 ug/L in TW4-9 is within the historic range of detections and is not likely the result of cross contamination.

Prior to the Q2 2020 sampling event EFRI serviced the DI water system and all filters and media were changed. The DI blank from the on-site DI system which generates the water for rinsate blank samples was nondetect, but has had reported concentrations in recent quarters. EFRI is continuing the investigation of the chloroform in the DI samples. The results of this investigation will be provided in future reports. EFRI is currently contacting the media and filter provider and looking at plumbing systems to determine if the chloroform is originating within the physical system.

The data for both TW4-3 and TW4-9 are usable as reported. Even if there were contribution of chloroform to the sample results, it would bias the data high and would result in a more conservative data application. EFRI does not believe the data quality has been affected.

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 except as indicated in Tab I. The data recoveries and RPDs which are outside the laboratory established acceptance limits do not affect the quality or usability of the data because the recoveries and RPDs above or below the acceptance limits are indicative of matrix interference most likely caused by other constituents in the samples. 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 QAP, Section 8.1.2 requires that each analytical batch shall be accompanied by a method blank. The analytical batches routinely contain a blank, which is a blank sample made and carried through all analytical steps. For the Mill samples, a method blank was prepared for the analytical methods. Per the approved QAP, contamination detected in analysis of method blanks will be used to evaluate any analytical laboratory contamination of environmental samples. The QAP states that non-conformance conditions will exist when contaminant levels in the samples(s) are not an order of magnitude greater than the blank result. There were no detections in the method blanks in this quarter. Method blank results are included in Tab H.

The information from the Laboratory QA/QC Summary Reports indicates that the LCS recoveries for the samples were within acceptable laboratory limits for the regulated compounds as indicated in Tab I.

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 south of the tailings cells.

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 formerly used wildlife ponds is still evident and disrupts the generally southwesterly flow pattern, to the extent that locally north- northwesterly flow occurs near MW-19 and 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 associated mound decays due to reduced recharge. The perched groundwater mound associated with the southern wildlife pond is also diminishing due to reduced recharge at that location.

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, resulted in changing conditions that were expected to impact constituent concentrations and migration rates within the plumes. Specifically, past recharge from the northern ponds helped limit many constituent

concentrations within the plumes by dilution while the associated groundwater mounding increased hydraulic gradients and contributed to plume migration. Since use of the northern ponds was discontinued in March 2012, increases in constituent concentrations in many wells, and decreases in hydraulic gradients within the plumes, are attributable to reduced recharge and the decay of the associated groundwater mound. EFRI and its consultants anticipated these changes and discussed these and other potential effects with DWMRC in March 2012 and May 2013.

The impacts associated with cessation of water delivery to the northern ponds were expected to propagate downgradient (south and southwest) over time. Wells close to the ponds were generally expected to be impacted sooner than wells farther downgradient of the ponds. Therefore, constituent concentrations were generally expected to increase in downgradient wells close to the ponds before increases were detected in wells farther downgradient of the ponds. Although such increases were anticipated to result from reduced dilution, the magnitude and timing of the increases were anticipated to be, and have been, 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. Because of these complicating factors, some wells completed in higher permeability materials were expected to be impacted sooner than other wells completed in lower permeability materials even though the wells completed in lower permeability materials were closer to the ponds.

In general, chloroform and nitrate concentrations within and in the vicinity of the chloroform plume appear to have been impacted to a greater extent than nitrate concentrations within and adjacent to the nitrate plume. This behavior is reasonable considering that the chloroform plume is generally more directly downgradient of and more hydraulically connected (via higher permeability materials) to the northern wildlife ponds.

In addition, the southern wildlife pond is in relatively close proximity to the downgradient (southern) extremity of the chloroform plume. Reduced recharge at the southern pond, and decay of the associated groundwater mound, can be expected to impact water level behavior and chloroform and nitrate concentrations in wells within this portion of the chloroform plume.

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 was anticipated to be more 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. Impacts were also expected to occur over time at wells subsequently added to the chloroform pumping network: TW4-1, TW4-2, TW4-11, TW4-21 and TW4-37 (added during 2015); TW4-39 (added during the fourth quarter of 2016); TW4-41 (added during the second quarter of 2018); and TW4-40 (added during the second quarter of 2019). The overall impact was 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 were typically evident in the vicinity of all chloroform pumping wells except TW4-4 and TW4-37, which began pumping in the first quarter of 2010 and the second quarter of 2015, respectively. The third quarter of 2018 was the first quarter that a well-defined cone of depression was associated with TW4-4, primarily the result of pumping at adjacent well TW4-41.

The lack of well-defined capture associated with chloroform pumping well TW4-4 was consistent prior to the third quarter of 2018, even though pumping since the first quarter of 2010 has depressed the water table in the vicinity of this well. The lack of a well-defined cone of depression near TW4-4 likely resulted from 1) variable permeability conditions in the vicinity of TW4-4, and 2) historical relatively low water levels at adjacent well TW4-14.

Nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-2 started pumping during the first quarter of 2013. By the fourth quarter of 2013, operation of the nitrate pumping system had produced well-defined impacts on water levels. Water level impacts of the nitrate and chloroform pumping systems overlap; however the long-term interaction between the nitrate and chloroform pumping systems is evolving, and changes will be reflected in data collected during routine monitoring.

Water level patterns near nitrate pumping 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 historically relatively low water level at TWN-7. Since 2012, water levels in TWN-7 have risen while water levels in nearby wells have generally dropped due to pumping and the decay of the northern groundwater mound. These factors have reduced water level differences between TWN-7 and nearby wells.

As discussed above, variable permeability conditions likely contributed to the lack of a well-defined cone of depression near chloroform pumping well TW4-4. Changes in water levels at wells immediately south and southeast (downgradient) of TW4-4 resulting from TW4-4 pumping were expected to be muted because TW4-4 is located at a transition from relatively high to relatively low permeability conditions south and southeast of TW4-4. As will be discussed below, the permeability of the perched zone at TW4-6, TW4-26, TW4-29, TW4-30, TW4-31, TW4-33, TW4-34, and TW4-35 is one to two orders of magnitude lower than at TW4-4, and the permeability at TW4-27 is approximately three orders of magnitude lower than at TW4-4.

Detecting water level drawdowns in wells immediately south and southeast of TW4-4 resulting from TW4-4 pumping has also been complicated by a general, long-term increase in water levels in this area that has been attributable to past wildlife pond recharge. Between the fourth quarter of 2007 and the fourth quarter of 2009 (just prior to the start of TW4-4 pumping), water levels at TW4-4 and TW4-6 increased by nearly 2.7 and 2.9 feet at rates of approximately 1.2 feet/year and 1.3 feet/year, respectively. However, between the start of pumping at TW4-4 (first quarter of 2010) and the fourth quarter of 2013, the rate of increase in water levels at TW4-6 was reduced to less than 0.5 feet/year suggesting that TW4-6 is within the hydraulic influence of TW4-4.

Water levels in all wells currently within the chloroform plume south of TW4-4 (TW4-26, TW4-29, TW4-33 and TW4-40) are trending generally downward. The downward trend is evident at TW4-26, TW4-29 and TW4-33 since the fourth quarter of 2013, and at TW4-40 since installation in the first quarter of 2018. The water level in TW4-6 (remaining outside the plume again this quarter) has also trended downward since the fourth quarter of 2013. Downward trends are attributable to both the cessation of water delivery to the wildlife ponds and pumping. Although water levels at some of the wells marginal to the chloroform plume such as TW4-14, TW4-27, TW4-30 and TW4-31 were generally increasing until about the first quarter of 2018, these water levels now appear to be relatively stable.

These spatially variable water level trends likely result from pumping conditions, the permeability distribution, and distance from the wildlife ponds. Wells that are relatively hydraulically isolated (due to completion in lower permeability materials or due to intervening lower permeability materials) and that are more distant from pumping wells and the wildlife ponds, are expected to respond more slowly to pumping and reduced recharge than wells that are less hydraulically isolated and are closer to pumping wells and the wildlife ponds. Wells that are more hydraulically isolated will also respond more slowly to changes in pumping.

The previous lack of a well-defined cone of depression associated with TW4-4 was also influenced by the historically relatively low water level at non-pumping well TW4-14, located east of TW4-4 and TW4-6. Prior to 2018, although water level differences among these three wells had diminished, and TW4-4 has been pumping since 2010, the water level at TW4-14 was typically lower than the water level at TW4-6 and lower to an even greater extent than the water level at TW4-4. For the current quarter, as during the previous quarter, the water level at TW4-14 is higher than water levels at both TW4-4 and TW4-6: the water level at TW4-14 (approximately 5535.2 feet above mean sea level ["ft amsl"]) is 4.4 feet higher than the water level at TW4-6 (approximately 5530.8 ft amsl), and nearly 2 feet higher than the water level at TW4-4 (approximately 5533.2 ft amsl). This pattern is attributable to the cone of depression induced by pumping both TW4-4 and TW4-41.

The static water levels at wells TW4-14 and downgradient well TW4-27 (installed south of TW4-14 in the fourth quarter of 2011) were similar (within 1 to 2 feet) until the third quarter of 2014; both appeared anomalously low. 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 more 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. This 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 relatively low water level at TW4-14. The water level at TW4-26 (5529.1 feet amsl) is, however, lower than water levels at adjacent wells TW4-6 (5530.8 feet amsl) and TW4-23 (5532.8 ft. amsl), as shown in the detail water level map under Tab C.

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). Past similarity of water levels at TW4-14 and TW4-27, and the low permeability estimate at TW4-27, suggested that both wells were 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 more 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]). Hydraulic tests also indicate that the permeability at 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.

The current quarterly water level at TW4-27 (approximately 5528.9 ft. amsl) is more than 6 feet lower than the water level at TW4-14 (5535.2 ft. amsl). Increases in water level differences between TW4-14 and TW4-27 since 2013 are attributable to more rapid increases in water levels at TW4-14 compared to TW4-27. This behavior likely results primarily from: the relative positions of the wells; past water delivery to the northern wildlife ponds; and the permeability distribution. Past seepage from the ponds caused propagation of water level increases in all directions including downgradient to the south. The relative hydraulic isolation of TW4-14 and TW4-27 delayed responses at these locations. Until pumping started at TW4-41, water levels at both these wells were consistently lower than in surrounding higher permeability materials even though water levels in surrounding materials were generally decreasing due to reduced pond seepage and pumping. Although water levels at TW4-14 and TW4-27 appear to have stabilized, the previous rate of increase was higher at TW4-14 due to factors that include: closer proximity to the northern pond seepage source; and a smaller thickness of low permeability materials separating TW4-14 from surrounding higher permeability materials. In addition, hydraulic

gradients between TW4-14 and surrounding higher permeability materials were relatively large and were directed toward TW4-14 prior to TW4-41 pumping. Slowing of the rates of water level increase at TW4-14 (since 2015) and TW4-27 (since early 2014), and stabilization since about the first quarter of 2018, are attributable to changes in hydraulic gradients between these wells and surrounding higher permeability materials.

In addition, water levels in this area are affected by reduced recharge at the southern wildlife pond and the decay of the associated groundwater mound. The decay of the mound is expected to contribute to changes in hydraulic gradients between the low permeability materials penetrated by TW4-14 and TW4-27 and the surrounding higher permeability materials. Because TW4-27 is closer to the southern wildlife pond than TW4-14, changes in hydraulic gradients attributable to decay of the southern groundwater mound are expected to impact TW4-27 sooner and to a greater extent than TW4-14, consistent with the lower rate of increase in water levels at TW4-27, and the earlier reduction in the rate of increase (since early 2014) as discussed above).

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, TW4-14 and TW4-27 remain outside the plume with current quarter chloroform concentrations of approximately 2.9 µg/L and 7.9 µg/L, respectively.

Chloroform exceeding 70 µg/L detected at TW4-29 and TW4-33 since their installation in 2013 indicates that, in addition to migrating south from TW4-4 to TW4-6 and TW4-26, chloroform also migrated along a relatively narrow path to the southeast from the vicinity of TW4-4 to TW4-33 then TW4-29. Such migration was in a direction nearly cross-gradient with respect to the direction of groundwater flow implied by the historic groundwater elevations in this area, which, until about 2014, placed TW4-14 almost directly downgradient of TW4-4. Such migration was historically possible because the water levels at TW4-29 were lower than the water levels at TW4-4 (and TW4-6). The permeability and historic water level distributions are generally consistent with the apparent nearly cross-gradient migration of chloroform from TW4-4 around the low permeability zone defined by TW4-36, TW4-14, and TW4-27.

Chloroform during the current quarter was detected at approximately 65 µg/L at TW4-30 (located east and cross- to downgradient of TW4-29), and was not detected at wells TW4-31 (located east of TW4-27), TW4-34 (located south and cross-gradient of TW4-29), nor TW4-35 (located southeast and generally downgradient of TW4-29).

Data from wells within and adjacent to the southern portion of the chloroform plume indicate that:

1. Chloroform exceeding 70 µg/L at TW4-29 is bounded by concentrations below 70 µg/L at wells TW4-6, TW4-23, TW4-27, TW4-30, TW4-34, TW4-35 and TW4-42. TW4-30 is cross- to downgradient of TW4-29; TW4-6 and TW4-23 are generally cross- to upgradient of TW4-29; TW4-27, TW4-34 and TW4-42 are generally cross-gradient of TW4-29; and TW4-35 is generally 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.

3. Chloroform concentrations at TW4-26 exceeded 70 µg/L for the first time during the second quarter of 2017. Chloroform at TW4-26 is bounded by concentrations below 70 µg/L at TW4-6 and TW4-23 (located up- to cross-gradient of TW4-26); and at TW4-34 (located cross- to downgradient of TW4-26). Chloroform has not been detected at either TW4-23 or TW4-34. Although chloroform exceeding 70 µg/L was detected at well TW4-40, installed approximately 200 feet south of TW4-26 in February, 2018, chloroform has not been detected at TW4-42, installed approximately 200 feet south of TW4-40 in April, 2019. TW4-42 is generally downgradient of both TW4-26 and TW4-40 and bounds the chloroform plume to the south.

Eventually, TW4-4 pumping, enhanced by operation of adjacent pumping well TW4-41, 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 temporary decreases in chloroform concentrations that occurred at TW4-6 and TW4-26 once TW4-4 pumping began (discussed in Section 4.2.3). Since installation in 2013, however, concentrations at TW4-33 appear to be relatively stable; since the third quarter of 2014, concentrations at TW4-29 appear to be generally increasing.

Relatively stable chloroform at TW4-33 and generally increasing concentrations at TW4-29 suggest that chloroform migration has been arrested at TW4-33 by TW4-4 (and TW4-41) pumping and that increasing chloroform at downgradient well TW4-29 results from a remnant of the plume that continues to migrate downgradient (generally toward TW4-30, which bounds the plume to the east). The influence of TW4-4 pumping at the distal end of the plume is consistent with generally decreasing water levels at both TW4-29 and TW4-33. Pumping at TW4-41 since the second quarter of 2018 is expected to help maintain or enhance this decline.

Decreasing water level trends at TW4-29 and TW4-33 are also consistent with reduced wildlife pond seepage. The decay of the groundwater mound associated with the southern wildlife pond, which is 3 to 4 times closer to the southern extremity of the chloroform plume than the northern ponds, is expected to impact water levels within and adjacent to this portion of the plume. Reduced wildlife pond seepage, in particular, reduced seepage from the southern wildlife pond, likely contributes to decreasing water level trends at both wells (since about the fourth quarter of 2013); temporarily increased concentrations at TW4-6 subsequent to the first quarter of 2014; and increased concentrations at TW4-26 since the third quarter of 2016.

As the groundwater mound associated with the southern pond decays, groundwater flow directions in the southern extremity of the plume are likely to become more southerly, and plume migration is likely to turn more to the south. An increasingly southerly direction of plume migration is consistent with increased concentrations at TW4-26.

In addition, generally decreasing concentrations at TW4-6 since the third quarter of 2015, and generally increased concentrations at TW4-26 since the third quarter of 2016, suggest that TW4-

4 pumping has arrested chloroform migration between TW4-4 and TW4-6, and that increased chloroform at TW4-26 results from a remnant of the plume that continues to migrate south from TW4-6 to TW4-26. The enhancement of pumping in the vicinity of TW4-4 by the start-up of TW4-41 pumping in the second quarter of 2018 is likely to increase this apparent separation and to have resulted in concentrations at TW4-6 dropping below 70 µg/L after the second quarter of 2018. Furthermore, the initiation of pumping at TW4-40 during the second quarter of 2019 is expected to reduce or prevent chloroform migration to the south of TW4-40.

Detectable chloroform concentrations at TW4-14 (since the fourth quarter of 2014) and TW4-27 (since the third quarter of 2015) suggest ongoing, but slow, downgradient migration of chloroform from the southeastern extremity of the plume (near TW4-29 and TW4-33) into the low permeability materials penetrated by TW4-14 and TW4-27. Pumping at TW4-41 is expected to reduce or prevent future migration of chloroform toward these wells.

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 first quarter of 2020, as submitted with the Chloroform Monitoring Report for the first quarter of 2020, is attached under Tab E. A comparison of the water table contour maps for the current quarter (second quarter of 2020) to the water table contour maps for the previous quarter (first quarter of 2020) indicates the following: water level changes at the majority of site wells were small (< 1foot); water level contours have not changed significantly except in the vicinities of many of the nitrate and chloroform pumping wells. Overall, total pumping capture is similar to last quarter.

Drawdown patterns and overall capture associated with pumping of the original chloroform pumping wells MW-4, MW-26, and TW4-19 have changed as additional groups of wells have been added to the pumping network. A large expansion in capture occurred within a year of the initiation of pumping at nitrate pumping wells TW4-22, TW4-24, TW4-25 and TWN-2 in the first quarter of 2013. Additional large expansions occurred once chloroform pumping wells TW4-1, TW4-2, TW4-11, TW4-21 and TW4-37 became operational in 2015, and once TW4-39 became operational in the fourth quarter of 2016. Significant expansion of capture to the south has resulted from pumping of TW4-41 since the second quarter of 2018 and from initiation of pumping at TW4-40 during the second quarter of 2019.

The drawdown at chloroform pumping wells MW-4, TW4-20 and TW4-21 decreased by more than 2 feet this quarter. However drawdowns at chloroform pumping wells MW-26, TW4-2, TW4-37, TW4-39 and TW4-41; and nitrate pumping wells TW4-24 and TWN-2 increased by more than 2 feet this quarter. Water level changes at other nitrate and chloroform pumping wells were 2 feet or less, although both increases (decreases in drawdown) and decreases (increases in drawdown) occurred. Water level fluctuations at pumping wells typically occur in part because of fluctuations in pumping conditions just prior to and at the time the measurements are taken. The reported water levels for chloroform pumping wells TW4-1, TW4-2 and TW4-11 are below the depth of the Brushy Basin contact this quarter. Although both increases and decreases in drawdown occurred in pumping wells, the overall apparent capture area of the combined pumping system is similar to last quarter.

As discussed in Section 4.1.1, pumping at chloroform well TW4-4, which began in the first quarter of 2010, depressed the water table near TW4-4, but a well-defined cone of depression was not clearly evident until the third quarter of 2018, likely due to variable permeability conditions near TW4-4 and the historically relatively low water level at adjacent well TW4-14. The expanded cone of depression associated with TW4-4 and adjacent pumping well TW4-41 since the initiation of pumping at TW4-41 in the second quarter of 2018 has contributed to southerly expansion of total pumping system capture. As discussed above, southerly expansion of capture was additionally enhanced in the second quarter of 2019 by the initiation of pumping at TW4-40.

The reported water level decrease of 0.45 feet at Piezometer 3A 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 up to 0.53 feet at Piezometers 4 and 5 likely resulted primarily from reduced recharge at the southern wildlife pond. Reported water level decreases of approximately 0.3 and 0.35 feet, respectively, at TWN-1 and TWN-4 are consistent with continuing decay of the northern groundwater mound.

The reported water levels at MW-20 and MW-37 decreased by approximately 2.6 and 7.1 feet, respectively, compensating for increases last quarter. Water level variability at these wells likely results from low permeability and variable intervals between purging/sampling and water level measurement. The reported water level decrease of nearly 4.1 feet at MW-22 compensates for the reported increase last quarter that likely resulted from measurement error.

As noted above, the reported water level at TW4-20 increased (drawdown decreased) compared to last quarter. The reported drawdown decreased even though the pump control mechanism failed, causing continuous pump operation and eventual pump failure due to almost total dewatering of the well and exposure of the pump to air.

Measurable water was not reported at DR-22. Although DR-22 is typically dry, measurable water was reported in the bottom of its casing between the second quarter of 2015 and the third quarter of 2016.

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 F 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 and TW4-19 since 2003; TW4-20 since 2005; TW4-4 since 2010; TW4-1, TW4-2, TW4-11, TW4-21 and TW4-37 since 2015; TW4-39 since the

fourth quarter of 2016; TW4-41 since the second quarter of 2018; and TW4-40 since the second quarter of 2019. The primary purpose of the pumping is to reduce total chloroform mass in the perched zone as rapidly as is practical.

The original pumping wells upgradient of TW4-4 were chosen because 1) they were 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 original pumping wells resulted in the wells having a relatively high productivity. The combination of relatively high productivity and high chloroform concentrations allowed for a high rate of chloroform mass removal. TW4-4 and TW4-41 are 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 and TW4-41 helps to reduce the rate of chloroform migration in downgradient portions of the plume.

Although pumping of TW4-6 and TW4-26 (located south of TW4-4 and TW4-41) is impractical due to low permeability and small saturated thicknesses, the permeability in the vicinity of TW4-40 (located south of TW4-26) is large enough to make pumping practical. TW4-40 is valuable in that it is located within the downgradient (southern) toe of the plume and is relatively productive. Pumping of TW4-40 is likely to more effectively reduce or prevent further downgradient plume migration than can be expected by pumping at the more upgradient locations.

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 during the first quarter of 2015. As discussed in Section 4.1.1, although chloroform pumping well TW4-4 became operational in 2010, the drawdown associated with TW4-4 was likely less apparent due to variable permeability conditions near TW4-4 and the persistently low water level at adjacent well TW4-14. However, pumping at adjacent well TW4-41 since the second quarter of 2018 has generally increased drawdowns in this area; the third quarter of 2018 was the first quarter that a well-defined cone of depression was associated with TW4-4. As discussed in Section 4.1.2 the combined pumping of TW4-4 and TW4-41, enhanced by initiation of pumping at TW4-40 during the second quarter of 2019, has contributed to southerly expansion of total pumping system capture. Overall, the water level contour maps indicate effective capture of water containing high chloroform concentrations in the vicinities of the pumping wells.

Compared to last quarter, both increases and decreases in water levels occurred at nitrate and chloroform pumping wells, although changes in water levels in chloroform pumping wells TW4-1, TW4-4, TW4-11, TW4-19 and TW4-40; and nitrate pumping wells TW4-22 and TW4-25 were less than two feet. Water level decreases occurred in chloroform pumping wells MW-26 (nearly 12.6 feet); TW4-1 (approximately 0.7 feet); TW4-2 (approximately 2.1 feet); TW4-4 (approximately 1.2 feet); TW4-11 (approximately 0.6 foot); TW4-37 (nearly 2.5 feet); TW4-39 (approximately 3.9 feet); and TW4-41 (nearly 12 feet); and in nitrate pumping wells TW4-24

(approximately 5.3 feet); TW4-25 (approximately 0.3 feet); and TWN-2 (nearly 11 feet). Water level increases occurred in chloroform pumping wells MW-4 (approximately 7.8 feet); TW4-19 (approximately 1.5 feet); TW4-20 (approximately 9 feet); TW4-21 (approximately 6.2 feet); and TW4-40 (approximately 0.2 feet); and in nitrate pumping well TW4-22 (approximately 0.7 feet). The overall apparent combined capture area of the nitrate and chloroform pumping systems is similar to last quarter.

As noted in Section 4.1.2, the reported water level at TW4-20 increased (drawdown decreased) compared to last quarter. The reported drawdown decreased even though the pump control mechanism failed, causing continuous pump operation and eventual pump failure due to almost total dewatering of the well and exposure of the pump to air.

The capture associated with nitrate pumping wells and chloroform pumping wells added since the beginning of 2015 is expected to generally 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 in the vicinities of many wells is consistent with and expected based on the relatively low permeability of the perched zone at the site.

The hydraulic capture effectiveness of both chloroform and nitrate pumping systems depends to some extent on the continued productivity of chloroform and nitrate pumping wells. Decreases in productivity since the third quarter of 2014 have been noted in chloroform pumping well TW4-19 and nitrate pumping well TW4-24. The impact of reduced productivity of these wells on chloroform capture was discussed in Attachment N (Tab N) of the third quarter, 2015 report. The report also included a discussion of the effectiveness of chloroform pumping on chloroform capture. 'Background' flow through the chloroform plume was calculated in Attachment N as approximately 3.3 gpm. A more refined 'background' flow calculation of 3.4 gpm was provided in the CACME Report (See HGC, March 31, 2016: Corrective Action Comprehensive Monitoring Evaluation Report, White Mesa Uranium Mill, Near Blanding, Utah).

Decreases in productivity at TW4-4 since the third quarter of 2016 have been addressed by the operation of adjacent pumping well TW4-41 since the second quarter of 2018.

Pumping from wells within and immediately adjacent to the chloroform plume during the current quarter (from wells MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-22, TW4-24, TW4-37, TW4-39, TW4-40 and TW4-41) is approximately 6.3 gpm. This calculation is based on the total volume pumped by these wells over the 90 day quarter (820,207 gallons) and accounts for times that the pumps are off due to insufficient water columns in the wells. Pumping from these wells exceeds the calculated background flow by 2.9 gpm or 85 %, and is considered adequate at the present time even with the reduced productivities of some wells. In addition, because of continued reductions in saturated thicknesses and hydraulic gradients resulting from reduced wildlife pond recharge, 'background' flow through the plume is expected to continue to diminish, thereby reducing the pumping needed to control the plume.

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 is likely related to reduced dilution. The concentration at TW4-8 remained below 70 µg/L this quarter after dropping below 70 µg/L last quarter. In addition, although the chloroform concentration in TW4-6 generally decreased between the first quarter of 2015 and the current quarter (and remains outside the plume), concentrations at TW4-6 increased from approximately 6 µg/L in the first quarter of 2014 to 1,180 µg/L in the first quarter of 2015 before dropping to approximately 5 µg/L this quarter. The increase between the first quarter of 2014 and the first quarter of 2015 was likely related to both reduced dilution and more westward flow induced by nitrate pumping.

TW4-6 is located immediately south and historically cross- to downgradient of chloroform pumping well TW4-4. TW4-6 has been incorporated into the chloroform plume twice: from the first quarter of 2009 through the third quarter of 2010; and from the third quarter of 2014 through the second quarter of 2018. Pumping of TW4-6 (and TW4-26) is impractical because of relatively low permeability and relatively small saturated thicknesses. However, pumping at more productive locations upgradient of TW4-6 (such as TW4-4 and TW4-41) 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 was 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 did 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 after TW4-4 began pumping does suggest that TW4-6 was within the hydraulic influence of TW4-4. The decline in water levels at TW4-6 since the fourth quarter of 2013 likely reflects the additional influences of cessation of water delivery to the wildlife ponds and the addition of chloroform pumping wells TW4-1, TW4-2, TW4-11 and TW4-41. Regardless of whether TW4-6 was demonstrably within the hydraulic capture of TW4-4, pumping TW4-4, and relatively recently installed adjacent pumping well TW4-41, 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 beyond the hydraulic capture of MW-26. Furthermore, the overall hydraulic capture of the chloroform pumping system has expanded since initiation of pumping at wells TW4-1, TW4-2, TW4-11 TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 since the beginning of 2015. In particular, the

addition of wells TW4-1, TW4-2, TW4-11, TW4-21, TW4-37 and TW4-39 likely halted the mid-2013 to end of 2014 increase in concentration at TW4-16 from non-detect to 387 µg/L. Concentrations at TW4-16 dropped from 387 µg/L in the fourth quarter of 2014 to less than 70 µg/L by the second quarter of 2015. Chloroform at TW4-16 has been above and below 70 µg/L since the second quarter of 2015 and was detected at 141 µg/L this quarter.

Chloroform exceeding 70 µg/L was detected in the second quarter of 2013 at TW4-29, installed during the first quarter of 2013 and located south of TW4-27 and east of TW4-26. With respect to historic groundwater flow directions implied by historic groundwater elevations in this area, TW4-29 was positioned generally cross-gradient of TW4-4 and TW4-6. As discussed in Section 4.1.1, chloroform detected at TW4-29 may have migrated 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 in the fourth quarter of 2013 at TW4-33, installed during the third quarter of 2013 and 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 (augmented by pumping at adjacent well TW4-41) is likely to eventually reduce chloroform at both TW4-33 and TW4-29 by cutting off the source. The impact at TW4-33 is expected to be greater than at TW4-29 because TW4-33 is in closer proximity to TW4-4 (and TW4-41) 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, concentrations at both TW4-29 and TW4-33 were relatively stable (rather than decreasing) for several quarters after installation. Concentrations at TW4-29 appear to be on an upward trend since the third quarter of 2014. As discussed in Section 4.1.1, although decreasing concentration trends at both wells are eventually expected to occur, relatively stable chloroform at TW4-33 and increases in concentration at TW4-29 since the third quarter of 2014 suggest that chloroform migration has been arrested at TW4-33 by TW4-4 (and TW4-41) pumping and that increasing chloroform at downgradient well TW4-29 results from a remnant of the plume that continues to migrate downgradient (toward TW4-30, which bounds to plume to the east). The influence of TW4-4 pumping at the distal end of the plume is consistent with generally decreasing water levels at both TW4-29 and TW4-33. However, as discussed in Section 4.1.1, decreasing water level trends are also consistent with reduced wildlife pond seepage. The decay of the groundwater mound associated with the southern wildlife pond, which is 3 to 4 times closer to the southern extremity of the chloroform plume than the northern ponds, is likely to have an impact on water levels within and adjacent to this portion of the plume.

As discussed in Section 4.1.1, generally decreasing water level trends at TW4-6 and TW4-26 (since about the fourth quarter of 2013), temporarily increased concentrations at TW4-6 (since the first quarter of 2014) and increased concentrations at TW4-26 (since the third quarter of 2016), are also consistent with reduced wildlife pond seepage, in particular reduced seepage from the southern wildlife pond. As the groundwater mound associated with the southern pond decays, groundwater flow directions in the southern extremity of the plume are likely to become more southerly, and plume migration is likely to turn more to the south. An increasingly

southerly direction of plume migration is consistent with increased concentrations at TW4-26 (from less than 10 µg/L in the third quarter of 2016 to 1,140 µg/L this quarter).

In addition, as in the area near TW4-29 and TW4-33, generally decreasing concentrations at TW4-6 since the third quarter of 2015, and generally increased concentrations at TW4-26 since the third quarter of 2016, suggest that TW4-4 (and TW4-41) pumping has arrested chloroform migration between TW4-4 and TW4-6, and that increased chloroform at TW4-26 results from a remnant of the plume that continues to migrate south from TW4-6 to TW4-26. The enhancement of pumping in the vicinity of TW4-4 by the start-up of TW4-41 pumping in the second quarter of 2018 is likely to increase this apparent separation and to have resulted in concentrations at TW4-6 dropping below 70 µg/L beginning in the third quarter of 2018.

Furthermore, detectable chloroform concentrations at TW4-14 (since the fourth quarter of 2014) and TW4-27 (since the third quarter of 2015) suggest ongoing, but slow, downgradient migration of chloroform from the southeastern extremity of the plume into the low permeability materials penetrated by these wells.

Chloroform analytical results from TW4-35 (as discussed in Section 4.2.3) demonstrate that chloroform is bounded to the southeast of TW4-29; and chloroform analytical results from TW4-36 indicate that when concentrations at TW4-8 exceed 70 µg/L, chloroform is bounded 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. Details of the gridding procedure used to generate the chloroform isoconcentration map (consistent with Part III.B.2.a through Part III.B.2.c of the GCAP) are provided in Tab L.

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 K 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 tables included under Tab K, the following observations can be made:

- a) Chloroform concentrations have increased by more than 20% in the following wells compared to last quarter: MW-26, TW4-16, TW4-30 and TW4-39;

- b) Chloroform concentrations decreased by more than 20% in the following wells compared to last quarter: TW4-1, TW4-2, TW4-6, TW4-20 and TW4-22;
- c) Chloroform concentrations have remained within 20% in the following wells compared to last quarter: MW-4, TW4-4, TW4-5, TW4-7, TW4-8, TW4-9, TW4-10, TW4-11, TW4-14, TW4-18, TW4-19, TW4-21, TW4-24, TW4-26, TW4-27, TW4-29, TW4-33, TW4-37, TW4-40 and TW4-41; and
- d) Chloroform concentrations have remained non-detect in the following wells: MW-32, TW4-3, TW4-12, TW4-13, TW4-23, TW4-25, TW4-28, TW4-31, TW4-32, TW4-34, TW4-35, TW4-36, TW4-38 and TW4-42.

As indicated, chloroform concentrations at many of the wells with detected chloroform were within 20% of the values reported for the wells during the previous quarter, suggesting that variations are within the range typical for sampling and analytical error. Wells MW-26, TW4-1, TW4-2, TW4-6, TW4-16, TW4-20, TW4-22, TW4-30 and TW4-39 had changes in concentration greater than 20%. Of these, MW-26, TW4-1, TW4-2, TW4-20 and TW4-39 are chloroform pumping wells; and TW4-22 is a nitrate pumping well. TW4-6 is located adjacent to chloroform pumping wells TW4-4 and TW4-41; TW4-16 is located just inside the plume boundary; and TW4-30 is located just outside the downgradient extremity of the plume. 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, fluctuations in concentrations at wells such as TW4-16 and TW4-30 are expected based on their locations near the plume margins.

Chloroform pumping wells TW4-11 (2,810 µg/L); TW4-19 (7,600 µg/L), TW4-20 (5,800 µg/L), TW4-37 (11,700 µg/L) and TW4-39 (5,870 µg/L); and nitrate pumping well TW4-22 (2,530 µg/L), had the highest detected chloroform concentrations. Since last quarter, the chloroform concentrations in TW4-11 decreased from 2,990 to 2,810 µg/L; TW4-19 decreased from 8,720 to 7,600 µg/L; TW4-20 decreased from 14,300 µg/L to 5,800 µg/L; TW4-37 decreased from 12,000 µg/L to 11,700 µg/L; and TW4-39 increased from 812 to 5,870 µg/L. In addition, the chloroform concentration in chloroform pumping well TW4-21 decreased from 844 to 767 µg/L; the concentration in nitrate pumping well TW4-22 decreased from 3,910 to 2,530 µg/L; and the concentration in nitrate pumping well TW4-24 decreased from 61.7 to 49.4 µg/L. TW4-24 remains just outside the chloroform plume and nitrate pumping well TW4-25 remained non-detect. TW4-25, located north of TW4-21, bounds the chloroform plume to the north.

As noted in Section 4.1.2, failure of the TW4-20 pump control mechanism caused continuous pump operation and eventual pump failure due to almost total dewatering of the well and exposure of the pump to air. Pump failure most likely resulted from overheating due to lack of submersion of the pump beneath a sufficient column of water. Overheating, which is expected to have caused substantial volatilization of chloroform and a consequent reduction in chloroform within the groundwater sampled in the well, is the likely cause of the reduction in reported TW4-20 chloroform from 14,300 µg/L last quarter to 5,800 µg/L this quarter.

Chloroform at TW4-8 (which was non-detect from the first quarter of 2008 through the fourth quarter of 2013) decreased slightly from 55 µg/L to 53.8 µg/L, and remained outside the plume. TW4-8 is located immediately east of chloroform pumping well MW-4, where chloroform was detected at a concentration of 1,250 µg/L. Although the plume boundary remained between MW-4 and TW4-8 from the first quarter of 2005 through the fourth quarter of 2013, TW4-8 was re-incorporated into the plume between the first quarter of 2014 and the fourth quarter of 2019. 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 and TW4-38 (both 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 (2.9 µg/L).

Chloroform at TW4-29 (located at the southeastern extremity of the plume, to the east of TW4-26 and to the south of TW4-27) increased from 652 µg/L to 686 µg/L, and chloroform at TW4-30, located immediately cross- to downgradient of TW4-29, increased from approximately 53 µg/L to approximately 65 µg/L. Chloroform at TW4-14 decreased slightly from 3 µg/L to 2.9 µg/L and chloroform at TW4-27 remained at approximately 8 µg/L. Concentration trends at these wells are generally consistent with ongoing, but slow, downgradient migration of chloroform at these locations. Chloroform at TW4-29 is bounded to the north by TW4-27 (approximately 8 µg/L), to the east by TW4-30 (approximately 65 µg/L), to the southeast by TW4-35 (non-detect), to the south by TW4-34 (non-detect), and to the west-northwest by TW4-6 (approximately 5 µg/L) and TW4-23 (non-detect). As discussed in Section 4.1.1, general increases in concentrations at TW4-26 since the third quarter of 2016 are also consistent with continuing downgradient chloroform migration which is likely enhanced by the decay of the groundwater mound associated with the southern wildlife pond.

Chloroform at TW4-33 (located between TW4-4 and TW4-29) showed a decrease in concentration, from approximately 94 µg/L to 90 µg/L. Chloroform at TW4-33 is bounded to the north by TW4-14 (approximately 3 µg/L), to the east by TW4-27 (approximately 8 µg/L), and to the west by TW4-6 (approximately 5 µg/L) and TW4-23 (non-detect). Recent increases in concentration at TW4-26 have widened the southeast extremity of the plume which historically was narrow compared to more upgradient locations.

The chloroform concentration in TW4-6 decreased from approximately 7 µg/L to approximately 5 µg/L. TW4-6 has remained outside the chloroform plume since the third quarter of 2018. Installed in the second quarter of 2000, TW4-6 was the most downgradient temporary perched well prior to installation of TW4-23 in 2007 and TW4-26 in the second quarter of 2010. TW4-6 remained outside the chloroform plume between installation in the second quarter of 2000 and the fourth quarter of 2008 likely 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. TW4-6 was subsequently incorporated into the plume twice: from the first quarter of 2009 through the third quarter of 2010; and from the third quarter of 2014 through the second quarter of 2018. 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.

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 two 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 orders of magnitude decrease in permeability south (downgradient) of TW4-4. Chloroform migration rates in the vicinities of wells TW4-26, TW4-29 and TW4-33 have been 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 both TW4-29 and TW4-33 are expected to eventually trend downward.

Although changes in concentration have occurred in wells within the chloroform plume, the boundaries of the plume have not changed significantly since the last quarter, except for a slight expansion near TW4-9 and TW4-16, and a slight contraction near TW4-24. The chloroform concentration decrease at TW4-24, from approximately 62 µg/L to 49 µg/L, shifted the plume boundary to the west away from TW4-24. The concentration increases at TW4-9 (from approximately 49 µg/L to 55 µg/L); and at TW4-16 (from approximately 113 µg/L to 141 µg/L) shifted the plume boundary slightly to the east and southwest, respectively. Similar to last quarter, due primarily to decreases in concentrations at TW4-6 and TW4-33, the kriging algorithm has 'pinched off' the southern extremity of the plume.

TW4-9 remained outside the plume this quarter. TW4-9 was incorporated into the plume from the first quarter of 2016 until the first quarter of 2019 due to increased concentrations attributable to reduced recharge (and dilution) from the northern wildlife ponds. Prior to the first quarter of 2016, however, TW4-9 was outside the plume except during the fourth quarter of 2014.

Nitrate pumping generally caused the western boundary of the northern portion of the chloroform plume to migrate to the west toward TW4-24. Since the first quarter of 2014, TW4-24 has been both inside and outside the plume and remains outside the plume this quarter, likely due to initiation of TW4-37 pumping in the second quarter of 2015 and reduced productivity at TW4-24 (since the third quarter of 2014). Subsequent to the first quarter of 2014, generally higher concentrations at TW4-6 and TW4-16 (both of which were within the chloroform plume in the past) caused the plume boundary to migrate to the southwest and temporarily re-incorporate both wells. This increase was likely related to reduced dilution from cessation of water delivery to the northern wildlife ponds and more westerly flow induced by nitrate pumping. In addition, concentrations at TW4-6 are likely influenced by reduced recharge at the southern wildlife pond and the decay of the associated groundwater mound.

TW4-6 has remained outside the plume since the third quarter of 2018 due to the general decrease in chloroform concentrations since the third quarter of 2015, while (as discussed in

Section 4.1.5) TW4-16 has been both within and outside the plume. This quarter, although TW4-6 remains outside the plume, TW4-16 remains just inside the plume.

The decreasing trend in chloroform concentrations at TW4-6 since the third quarter of 2015, and generally increased concentrations at TW4-26 since the third quarter of 2016, suggest that TW4-4 pumping has arrested chloroform migration between TW4-4 and TW4-6, and that increased chloroform at TW4-26 results from a remnant of the plume that continues to migrate south from TW4-6 to TW4-26. This behavior is consistent with the apparent ‘pinching-off’ of the southern extremity of the plume during the previous and current quarters. Regardless, pumping at TW4-41, located adjacent to TW4-4, and pumping at TW4-40, located just south (downgradient) of TW4-26, is expected to reduce or halt plume expansion to the south.

Although the nitrate pumping system may redistribute chloroform within the plume and cause changes in the chloroform plume boundaries, continued operation of the nitrate pumping system is expected to enhance capture associated with the chloroform pumping system. Furthermore, since the beginning of 2015, the addition of chloroform wells TW4-1, TW4-2, TW4-11, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41, is expected to have a beneficial impact. Generally reduced concentrations at TW4-6 (since the first quarter of 2015) and TW4-16 (since the fourth quarter of 2014) after previous increases are likely the result of initiation of TW4-1, TW4-2, and TW4-11 pumping during 2015. Maintaining reduced concentrations at TW4-6 is anticipated to result from pumping at TW4-41.

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.

Beginning on January 14, 2015, EFRI began long term pumping of TW4-1, TW4-2, and TW4-11 and began long term pumping of TW4-21 and TW4-37 on June 9, 2015. Beginning in December 2016 EFRI began long term pumping of TW4-39. Beginning in April 2018 EFRI began long term pumping of TW4-41. Beginning in May 2019 EFRI began long term pumping of TW4-40.

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, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, MW-26, TW4-20, TW4-21, TWN-2, TW4-22, TW4-24, TW4-25, TW4-37, TW4-39 TW4-40, and TW4-41 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.

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, TW4-21, TW4-22, TW4-24, TW4-25, TW4-37, TW4-39, TW4-41, and TWN-2 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, TW4-21, TW4-4, TW4-22, TW4-24, TW4-25, TW4-37, TW4-39, TW4-40 (beginning May 2019), TW4-41 and TWN-2 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 G-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-2 is a nitrate program well and is sampled only for nitrate and

chloride as required by the nitrate program. Because TWN-2 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 G-3. Specific operational problems observed with the well or pumping equipment which occurred during the quarter are noted for each well below.

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

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

5.4.1 TW4-19

During the routine check on May 4, 2020, the pump in TW4-19 malfunctioned. All ancillary systems and controllers were checked and it was determined that the pump was the cause of the issue. The pump was removed and replaced within 24 hours of discovery and as such no notifications were necessary.

5.5 Mass Removed and Plume Residual Mass

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 G-2, which shows the pounds of chloroform that have been removed to date. The mass of chloroform removed from the plume this quarter is approximately 25.2 lb., which is approximately 33% larger than the approximately 18.9 lb. removed last quarter. The larger rate of mass removal is attributable primarily to the increased concentrations at TW4-39 and the increase in the total gallons pumped from TW4-20 due to failure of the control mechanism that protected the well from pumping dry.

The residual mass of chloroform within the plume is estimated as 1,056 lb. using the methodology described in Appendix A of the GCAP (“Chloroform Plume Mass Calculation Method”). This is approximately 50 lb. smaller than last quarter’s estimate of 1,106 lb. As per Part III.B.2 of the GCAP, electronic files used in calculating the mass estimate are provided with this report. Details of the procedure are provided in Tab L.

The residual mass is plotted in Figure L.1. Since the third quarter of 2015 the trend is downward; the current quarter’s estimate of 1,056 lb. is substantially lower than both the third quarter 2015 estimate of 1,712 lb., and the maximum of 2,261 lb. estimated for the second quarter of 2016. Subsequent residual plume mass estimates will be calculated quarterly, added to the graph, and the trendline updated as per Part III.B.3 of the GCAP.

As discussed in the CACME Report, the calculated chloroform mass is larger since the cessation of water delivery to the two northern wildlife ponds in the first quarter of 2012. These ponds are

located immediately upgradient of the chloroform plume. The increase in calculated mass results from increased plume area and increased average concentrations within the plume. The increases in both plume area and average concentrations are attributable to reduced dilution due to the reduction in chloroform-free wildlife pond seepage.

The general decrease in the residual mass estimates since the second quarter of 2016 suggests stabilization. Although the residual mass estimates are generally larger since 2012, the rate of mass removed per quarter by pumping is also generally larger, in particular since the addition of 8 new pumping wells since the beginning of 2015. Furthermore, although the pumping system is not designed to hydraulically capture the entire plume, the proportion of the mass of the plume under capture has historically been large. The proportion of the mass of the plume under capture during the fourth quarters of 2012, 2013, 2014, 2015, 2016, 2017, 2018 and 2019 ranged from approximately 84% to 99%. The approximate proportion of the mass of the plume under capture this quarter is 99%, about the same as last quarter's.

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 any of the wildlife ponds during the quarter.

6.0 CORRECTIVE ACTION REPORT

No corrective actions were necessary for the current reporting period.

6.1 Assessment of Previous Quarter's Corrective Actions

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

7.0 CURRENT COMPLIANCE STATUS

7.1 Long Term Chloroform Plume Control

The chloroform plume is currently entirely within the Mill property boundary and is bounded on all sides by wells having chloroform concentrations that are either non-detect or less than 70 µg/L (Tab J). The plume is bounded to the north by TW4-25 (non-detect); to the west and southwest by MW-31 (non-detect), MW-32 (non-detect), TW4-6 (approximately 5 µg/L), TW4-23 (non-detect), and TW4-24 (approximately 49 µg/L); to the east by TW4-3 (non-detect), TW4-5 (approximately 15 µg/L), TW4-8 (approximately 54 µg/L), TW4-9 (approximately 55 µg/L), TW4-13 (non-detect), TW4-14 (approximately 3 µg/L), TW4-18 (approximately 58 µg/L), TW4-27 (approximately 8 µg/L), TW4-30 (approximately 65 µg/L), TW4-36 (non-detect) and TW4-38 (non-detect); to the south by TW4-34 (non-detect) and TW4-42 (non-detect); and to the southeast by TW4-35 (non-detect).

Because TW4-26 no longer bounded the chloroform plume to the south-southwest, TW4-40 was installed south (downgradient) of TW4-26 during the first quarter of 2018. Because the second quarter of 2018 was the second consecutive quarter that chloroform in TW4-40 exceeded 70 µg/L, the required Plan and Time Schedule was submitted and TW4-42 was installed approximately 200 feet south of TW4-40 during April, 2019. Chloroform has not been detected in TW4-42, indicating that TW4-42 bounds the plume immediately to the south-southwest. Regardless, MW-17 (non-detect) and MW-38 (non-detect) bound the plume to the far southwest (cross-gradient), and MW-22 (non-detect), MW-39 (non-detect) and MW-40 (non-detect) bound the plume far to the south (cross- to downgradient). Data collected to date indicate there are sufficient chloroform monitoring and pumping wells to effectively define, control, and monitor the plume.

7.2 Well Construction, Maintenance and Operation

Part II of the GCAP specifies that EFRI must construct, maintain and operate the chloroform wells in accordance with the specifications delineated therein. The two new wells that were installed during the quarter as well as all previously installed wells were installed in accordance with the GCAP requirements. The wells were maintained and operated as required. Additional details regarding any specific pumping well operations and maintenance issues noted during the quarter are discussed in Section 5.0 above.

7.3 Disposal of Extracted Groundwater

Part II of the GCAP requires that all extracted groundwater be disposed of in the tailings management system or fed in the Mill process. All extracted groundwater was handled as required by the GCAP.

7.4 Compliance Well Performance

Part II.G of the GCAP states that an exceedance of the compliance well performance standard is defined as the presence of chloroform in any compliance monitoring well in excess of 70 ug/L for two or more quarters.

The compliance well chloroform concentrations were below the 70 ug/L except as noted in previous reports. The previously noted exceedances have been addressed in Plans and Time Schedules. There are no new exceedances in this reporting period.

7.5 Chloroform Plume Monitoring for Wells within 500 Feet of the Property Boundary

Currently there are no compliance wells within 500 feet of the property boundary.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The residual mass of chloroform within the plume is estimated as 1,056 lb. using the methodology described in Appendix A of the GCAP (“Chloroform Plume Mass Calculation Method”). This is approximately 50 lb. less than last quarter’s estimate of 1,106 lb. The mass of chloroform removed from the plume this quarter is approximately 25.2 lb., which is

approximately 33% larger than the approximately 18.9 lb. removed last quarter. The larger rate of mass removal is attributable primarily to the increased concentrations at TW4-39 and the increase in the total gallons pumped from TW4-20 due to failure of the control mechanism that protected the well from pumping dry.

The chloroform plume is currently entirely within the Mill property boundary and is bounded on all sides by wells having chloroform concentrations that are either non-detect or less than 70 µg/L (Tab J). The plume is bounded to the north by TW4-25 (non-detect); to the west and southwest by MW-31 (non-detect), MW-32 (non-detect), TW4-6 (approximately 5 µg/L), TW4-23 (non-detect), and TW4-24 (approximately 49 µg/L); to the east by TW4-3 (non-detect), TW4-5 (approximately 15 µg/L), TW4-8 (approximately 54 µg/L), TW4-9 (approximately 55 µg/L), TW4-13 (non-detect), TW4-14 (approximately 3 µg/L), TW4-18 (approximately 58 µg/L), TW4-27 (approximately 8 µg/L), TW4-30 (approximately 65 µg/L), TW4-36 (non-detect) and TW4-38 (non-detect); to the south by TW4-34 (non-detect) and TW4-42 (non-detect); and to the southeast by TW4-35 (non-detect).

Because TW4-26 no longer bounded the chloroform plume to the south-southwest, TW4-40 was installed south (downgradient) of TW4-26 during the first quarter of 2018. Because the second quarter of 2018 was the second consecutive quarter that chloroform in TW4-40 exceeded 70 µg/L, the required Plan and Time Schedule was submitted and TW4-42 was installed approximately 200 feet south of TW4-40 during April, 2019. Chloroform has not been detected in TW4-42, indicating that TW4-42 bounds the plume immediately to the south-southwest. Regardless, MW-17 (non-detect) and MW-38 (non-detect) bound the plume to the far southwest (cross-gradient), and MW-22 (non-detect), MW-39 (non-detect) and MW-40 (non-detect) bound the plume far to the south (cross- to downgradient). Data collected to date indicate there are sufficient chloroform monitoring and pumping wells to effectively define, control, and monitor the plume.

The water level contour maps for the fourth quarter, 2019 indicate effective capture of water containing high chloroform concentrations over most of the chloroform plume. Capture in the southeastern portion of the plume (vicinity of MW-4) was enhanced by start-up of chloroform pumping wells TW4-1, TW4-2, and TW4-11 during the first quarter of 2015. Capture in the northwestern portion of the plume was enhanced by start-up of chloroform pumping wells TW4-21 and TW4-37 during the second quarter of 2015; and of TW4-39 during the fourth quarter of 2016. Capture in the southernmost portion of the plume was enhanced by start-up of pumping at TW4-41 during the second quarter of 2018 and of TW4-40 during the second quarter of 2019. All pumping wells added since the beginning of 2015 have enhanced the effectiveness of chloroform mass removal.

Although pumping began in the first quarter of 2010, a well-defined capture zone was not clearly evident at chloroform pumping well TW4-4 until the third quarter of 2018. Increased drawdowns in this area since the second quarter of 2018, and development of a definable capture zone, is attributable to pumping at adjacent well TW4-41.

The capture zone associated with TW4-4 was likely obscured prior to the second quarter of 2018 by the historically relatively low water level at adjacent well TW4-14 and the two orders of

magnitude decrease in permeability south of TW4-4. However, as noted in previous reports, 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 of 2013, and capture associated with the nitrate pumping is expected to continue to develop. Overall, the apparent capture area of the combined chloroform and nitrate pumping systems is smaller than last quarter, with capture decreasing within the central and northern portions of the pumping system due to decreased drawdowns at MW-26, TW4-21, TW4-22, TW4-24 and TWN-2.

'Background' flow through the chloroform plume was calculated as approximately 3.4 gpm as presented in CACME Report (See HGC, March 31, 2016: Corrective Action Comprehensive Monitoring Evaluation Report, White Mesa Uranium Mill, Near Blanding, Utah). Pumping from wells within and immediately adjacent to the chloroform plume during the current quarter (from wells MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-22, TW4-24, TW4-37, TW4-39, TW4-40 and TW4-41) is approximately 6.3 gpm, which exceeds the calculated background flow by 2.9 gpm or 85%, and is considered adequate at the present time.

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. Wells MW-26, TW4-1, TW4-2, TW4-6, TW4-16, TW4-20, TW4-22, TW4-30 and TW4-39 had changes in concentration greater than 20%. Of these, MW-26, TW4-1, TW4-2, TW4-20 and TW4-39 are chloroform pumping wells; and TW4-22 is a nitrate pumping well. TW4-6 is located adjacent to chloroform pumping wells TW4-4 and TW4-41; TW4-16 is located just inside the plume boundary; and TW4-30 is located just outside the downgradient extremity of the plume.

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, because TW4-16 and TW4-30 are located just outside the plume boundary, fluctuations in concentrations at these wells are expected based on their locations near the plume margins. Furthermore, 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.

Chloroform pumping wells TW4-11 (2,810 µg/L); TW4-19 (7,600 µg/L), TW4-20 (5,800 µg/L), TW4-37 (11,700 µg/L) and TW4-39 (5,870 µg/L; and nitrate pumping well TW4-22 (2,530 µg/L), had the highest detected chloroform concentrations. Since last quarter, the chloroform concentrations in TW4-11 decreased from 2,990 to 2,810 µg/L; TW4-19 decreased from 8,720 to 7,600 µg/L; TW4-20 decreased from 14,300 µg/L to 5,800 µg/L; TW4-37 decreased from 12,000 µg/L to 11,700 µg/L; and TW4-39 increased from 812 to 5,870 µg/L. In addition, the chloroform concentration in chloroform pumping well TW4-21 decreased from 844 to 767 µg/L; the concentration in nitrate pumping well TW4-22 decreased from 3,910 to 2,530 µg/L; and the

concentration in nitrate pumping well TW4-24 decreased from 61.7 to 49.4 $\mu\text{g/L}$. TW4-24 remains just outside the chloroform plume and nitrate pumping well TW4-25 remained non-detect. TW4-25, located north of TW4-21, bounds the chloroform plume to the north.

As noted in Section 4.1.2, failure of the TW4-20 pump control mechanism caused continuous pump operation and eventual pump failure due to almost total dewatering of the well and exposure of the pump to air. Pump failure most likely resulted from overheating due to lack of submersion of the pump beneath a sufficient column of water. Overheating, which is expected to have caused substantial volatilization of chloroform and a consequent reduction in chloroform within the groundwater sampled in the well, is the likely cause of the reduction in reported TW4-20 chloroform from 14,300 $\mu\text{g/L}$ last quarter to 5,800 $\mu\text{g/L}$ this quarter.

Chloroform at TW4-8 (which was non-detect from the first quarter of 2008 through the fourth quarter of 2013) decreased slightly from 55 $\mu\text{g/L}$ to 53.8 $\mu\text{g/L}$, and remained outside the plume. TW4-8 is located immediately east of chloroform pumping well MW-4, where chloroform was detected at a concentration of 1,250 $\mu\text{g/L}$. Although the plume boundary remained between MW-4 and TW4-8 from the first quarter of 2005 through the fourth quarter of 2013, TW4-8 was re-incorporated into the plume between the first quarter of 2014 and the fourth quarter of 2019. 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 and TW4-38 (both 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 (2.9 $\mu\text{g/L}$).

Detectable chloroform concentrations at TW4-14 (since the fourth quarter of 2014) and TW4-27 (since the third quarter of 2015) are consistent with continued, but slow, downgradient migration of chloroform from the distal end of the plume (near TW4-29 and TW4-33) into the low permeability materials penetrated by TW4-14 and TW4-27. Chloroform at TW4-14 decreased slightly from approximately 3 $\mu\text{g/L}$ to 2.9 $\mu\text{g/L}$ and chloroform at TW4-27 remained at approximately 8 $\mu\text{g/L}$. Pumping at TW4-41 is expected to reduce or prevent future migration of chloroform toward these wells.

Concentration trends at TW4-29 (located at the southeastern extremity of the plume, to the east of TW4-26 and to the south of TW4-27) and at TW4-30 (located immediately cross- to downgradient of TW4-29), are also generally consistent with ongoing, but slow, downgradient migration of chloroform. Chloroform at TW4-29 increased from 652 $\mu\text{g/L}$ to 686 $\mu\text{g/L}$, and chloroform at TW4-30, located immediately cross- to downgradient of TW4-29, increased from approximately 53 $\mu\text{g/L}$ to approximately 65 $\mu\text{g/L}$. Concentration trends at these wells are generally consistent with ongoing, but slow, downgradient migration of chloroform at these locations. Chloroform at TW4-29 is bounded to the north by TW4-27 (approximately 8 $\mu\text{g/L}$), to the east by TW4-30 (approximately 65 $\mu\text{g/L}$), to the southeast by TW4-35 (non-detect), to the south by TW4-34 (non-detect), and to the west-northwest by TW4-6 (approximately 5 $\mu\text{g/L}$) and TW4-23 (non-detect). In addition, general increases in concentrations at TW4-26 since the third quarter of 2016 are consistent with continuing downgradient chloroform migration, which is

likely enhanced by the decay of the groundwater mound associated with the southern wildlife pond.

Chloroform at TW4-33 (located between TW4-4 and TW4-29) showed a decrease in concentration, from approximately 94 $\mu\text{g/L}$ to 90 $\mu\text{g/L}$. Chloroform at TW4-33 is bounded to the north by TW4-14 (2.9 $\mu\text{g/L}$), to the east by TW4-27 (approximately 8 $\mu\text{g/L}$), and to the west by TW4-6 (approximately 5 $\mu\text{g/L}$) and TW4-23 (non-detect). Increases in concentration at TW4-26 since the third quarter of 2016 have widened the southeast extremity of the plume, which historically was narrow compared to more upgradient locations.

Although changes in concentration have occurred in wells within the chloroform plume, the boundaries of the plume have not changed significantly since the last quarter, except for a slight expansion near TW4-9 and TW4-16 and a slight contraction near TW4-24. The chloroform concentration decrease at TW4-24, from approximately 62 $\mu\text{g/L}$ to 49 $\mu\text{g/L}$, shifted the plume boundary to the west away from TW4-24. The concentration increases at TW4-9 (from approximately 49 $\mu\text{g/L}$ to 55 $\mu\text{g/L}$); and at TW4-16 (from approximately 113 $\mu\text{g/L}$ to 141 $\mu\text{g/L}$) shifted the plume boundary slightly to the east and southwest, respectively. Similar to last quarter, due primarily to decreases in concentrations at TW4-6 and TW4-33, the kriging algorithm has 'pinched off' the southern extremity of the plume.

TW4-9 remained outside the plume this quarter. Chloroform concentrations at TW4-9 increased from approximately 49 $\mu\text{g/L}$ to 55 $\mu\text{g/L}$ shifting the plume boundary slightly to the east toward TW4-38 (non-detect). TW4-9 was incorporated into the plume from the first quarter of 2016 until the first quarter of 2019 due to increased concentrations attributable to reduced recharge (and dilution) from the northern wildlife ponds. However, except for the fourth quarter of 2014, TW4-9 was outside the plume prior to the first quarter of 2016. TW4-38 was installed to the east-southeast of TW4-9 to serve as a bounding well when concentrations at TW4-9 exceeded 70 $\mu\text{g/L}$.

Nitrate pumping generally caused the western boundary of the northern portion of the chloroform plume to migrate to the west toward TW4-24. Since the first quarter of 2014, TW4-24 has been both inside and outside the plume and remains outside the plume this quarter, likely due to initiation of TW4-37 pumping in the second quarter of 2015 and reduced productivity at TW4-24 (since the third quarter of 2014). Subsequent to the first quarter of 2014, generally increased concentrations at TW4-6 and TW4-16 (both of which were within the chloroform plume in the past), caused the plume boundary to migrate to the southwest and temporarily re-incorporate both wells. Increased concentrations at these wells subsequent to the first quarter of 2014 are likely related to reduced dilution from cessation of water delivery to the northern wildlife ponds and more westerly flow induced by nitrate pumping. In addition, concentrations at TW4-6 may be influenced by reduced recharge at the southern wildlife pond and the decay of the associated groundwater mound.

Since 2014, TW4-16 has been both within and outside the plume; whereas a decreasing trend in chloroform concentrations at TW4-6 (since the third quarter of 2015) has once again taken TW4-6 outside the plume. This quarter, TW4-16 and TW4-6 remain within and outside the plume, respectively.

The decreasing trend in chloroform concentration at TW4-6 since the third quarter of 2015, and generally increased concentrations at TW4-26 since the third quarter of 2016, suggest that TW4-4 pumping has arrested chloroform migration between TW4-4 and TW4-6, and that the increased chloroform at TW4-26 results from a remnant of the plume that continues to migrate south toward TW4-26. Pumping at adjacent well TW4-41 since the second quarter of 2018 has likely enhanced the decreases at TW4-6 and resulted in concentrations at TW4-6 that have dropped below 70 µg/L.

Although the nitrate pumping system may redistribute chloroform within the plume and cause changes in the chloroform plume boundaries, continued operation of the nitrate pumping system is expected to enhance capture associated with the chloroform pumping system. Furthermore, the addition of chloroform pumping wells TW4-1, TW4-2, TW4-11, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 since the beginning of 2015 is expected to have a beneficial impact. Generally reduced concentrations at TW4-6 (since the third quarter of 2015) and TW4-16 (since the fourth quarter of 2014) after previous increases are likely the result of initiation of TW4-1, TW4-2, and TW4-11 pumping.

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, 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, augmented by pumping at adjacent well TW4-41, is 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 once 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. The decreasing trend in water levels beginning in 2014 and, as noted above, the generally decreasing chloroform concentrations since the first quarter of 2015 at TW4-6 are also attributable in part to TW4-4 (augmented by TW4-41) pumping. Continued operation of TW4-1, TW4-2, TW4-11, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 is also recommended because pumping these wells has increased overall capture and improved chloroform mass removal.

Furthermore, because of the influence of TW4-4 pumping (augmented by TW4-41 pumping since the second quarter of 2018), 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. Since installation in 2013, however, concentrations at TW4-33 appear to be relatively stable to decreasing, while, since the third quarter of 2014, concentrations at TW4-29 appear to be on an upward trend. The relatively stable chloroform at TW4-33 and recent increases in concentration at TW4-29 suggest that chloroform migration has been arrested at TW4-33 by TW4-4 pumping and that increasing chloroform at downgradient well TW4-29 results from a remnant of the plume that continues to migrate downgradient (toward TW4-30, which bounds to plume to the east). The influence of TW4-4

pumping at the distal end of the plume is consistent with decreasing water levels at both TW4-29 and TW4-33. Pumping at adjacent well TW4-41 is likely to help maintain or enhance these decreasing trends in water levels and to augment the expected reductions in concentrations in the distal end of the plume. Continued evaluation of trends at TW4-29 and TW4-33 will be provided in subsequent quarters.

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 DWMRC 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. Generally increased chloroform concentrations at TW4-6 (since the first quarter of 2014); and at TW4-8, TW4-9 and TW4-16 (since 2013), are likely related in part to reduced dilution (although concentrations at TW4-6 and TW4-8 have been trending downward since the first quarter of 2015). As discussed above, increased concentrations at TW4-26 since the third quarter of 2016 that are consistent with continuing downgradient chloroform migration are also likely enhanced by the decay of the groundwater mound associated with the southern wildlife pond.

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.

9.0 ELECTRONIC DATA FILES AND FORMAT

EFRI has provided to the Director 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.

10.0 SIGNATURE AND CERTIFICATION

This document was prepared by Energy Fuels Resources (USA) Inc.

Energy Fuels Resources (USA) Inc.

By:

Scott Bakken Digitally signed by Scott Bakken
Date: 2020.08.14 12:05:13 -06'00'

Scott A. Bakken
Senior Director Regulatory Affairs

Date

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 Bakken Digitally signed by Scott Bakken
Date: 2020.08.14 12:05:42 -06'00'

Scott A. Bakken
Senior Director Regulatory Affairs
Energy Fuels Resources (USA) Inc.

Tables

INDEX OF TABS

- Tab A Site Plan and Perched Well Locations White Mesa Site
- Tab B Order of Sampling and Field Data Worksheets
- Tab C Weekly and Monthly Depth to Water Data
- Tab D Kriged Current Quarter Groundwater Contour Map, Capture Zone Map, Capture Zone Details Map, and Depth to Water Data
- Tab E Kriged Previous Quarter Groundwater Contour Map
- Tab F Depths to Groundwater and Elevations and Hydrographs of Groundwater Elevations over Time for Chloroform Monitoring Wells
- Tab G Chloroform Mass Removed and Volume Pumped in Chloroform Pumping Wells over Time
- Tab H Laboratory Analytical Reports
- Tab I Quality Assurance and Data Validation Tables
 - I-1 Field Data QA/QC Evaluation
 - I-2 Holding Time Evaluation
 - I-3 Receipt Temperature Check
 - I-4 Analytical Method Check
 - I-5 Reporting Limit Evaluation
 - I-6 Trip Blank Evaluations
 - I-7 QA/QC Evaluation for Sample Duplicates
 - I-8 QC Control Limits for Analyses and Blanks
 - I-9 Rinsate Check
- Tab J Kriged Current Quarter Chloroform Isoconcentration Map
- Tab K Analyte Concentration Data and Chloroform Concentration Trend Graphs over Time
- Tab L Contour Map Based Chloroform Plume Mass Calculations and Data Over Time
- Tab M CSV Transmittal Letter
- Tab N Exceedance Notices for the Reporting Period

Table 1: Summary of Well Sampling for the Period

Well	Sample Date	Date of Lab Report
MW-04	5/27/2020	6/12/2020
TW4-01	5/27/2020	6/12/2020
TW4-02	5/27/2020	6/12/2020
TW4-03	6/10/2020	6/29/2020
TW4-03R	6/9/2020	6/29/2020
TW4-04	5/27/2020	6/12/2020
TW4-05	6/11/2020	6/29/2020
TW4-06	6/11/2020	6/29/2020
TW4-07	6/12/2020	6/29/2020
TW4-08	6/12/2020	6/29/2020
TW4-09	6/12/2020	6/29/2020
TW4-09R	6/11/2020	6/29/2020
TW4-10	6/12/2020	6/29/2020
TW4-11	5/27/2020	6/12/2020
TW4-12	6/10/2020	6/29/2020
TW4-13	6/11/2020	6/29/2020
TW4-14	6/11/2020	6/29/2020
MW-26	5/27/2020	6/12/2020
TW4-16	6/12/2020	6/29/2020
MW-32	6/12/2020	6/29/2020
TW4-18	6/12/2020	6/29/2020
TW4-19	5/27/2020	6/12/2020
TW4-20	5/27/2020	6/12/2020
TW4-21	5/27/2020	6/12/2020
TW4-22	5/27/2020	6/12/2020
TW4-23	6/11/2020	6/29/2020
TW4-24	5/27/2020	6/12/2020
TW4-25	5/27/2020	6/12/2020
TW4-26	6/12/2020	6/29/2020
TW4-27	6/11/2020	6/29/2020
TW4-28	6/10/2020	6/29/2020
TW4-29	6/12/2020	6/29/2020
TW4-30	6/12/2020	6/29/2020
TW4-31	6/11/2020	6/29/2020
TW4-32	6/10/2020	6/29/2020
TW4-33	6/12/2020	6/29/2020
TW4-34	6/11/2020	6/29/2020
TW4-35	6/11/2020	6/29/2020
TW4-36	6/11/2020	6/29/2020
TW4-37	5/27/2020	6/12/2020
TW4-38	6/11/2020	6/29/2020
TW4-39	5/27/2020	6/12/2020
TW4-40	5/27/2020	6/12/2020
TW4-41	5/27/2020	6/12/2020
TW4-42	6/10/2020	6/29/2020
TW4-60	5/27/2020	6/12/2020
TW4-65	6/10/2020	6/29/2020
TW4-70	6/12/2020	6/29/2020
TW4-75	6/12/2020	6/29/2020

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

"R" following a well number designates a rinsate sample collected prior to purging of the well of that #. TW4-60 is a DI Field Blank, TW4-65 is a duplicate of TW4-03, and TW4-70 is a duplicate of TW4-09 and TW4-75 is a duplicate of TW4-07.

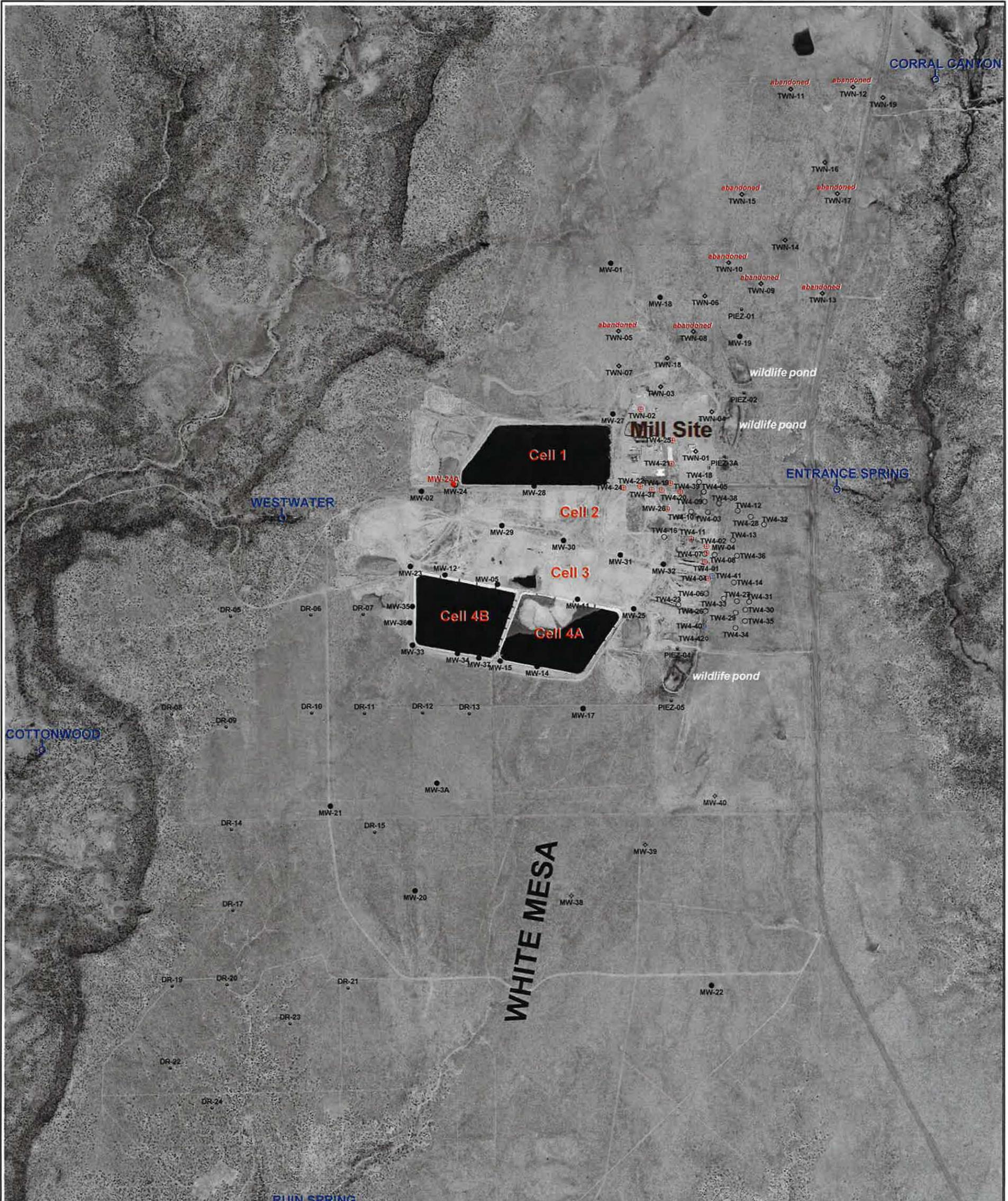
Highlighted wells are continuously pumped.

Notes:

Dates in italics are the original laboratory submission dates. Resubmissions were required to correct reporting errors or to address reanalyses.

Tab A

Site Plan and Perched Well Locations White Mesa Site



EXPLANATION

- MW-24A perched monitoring well installed December 2019
- TW4-42 temporary perched monitoring well installed April 2019
- ⊕ TW4-40 perched chloroform pumping well installed February 2018
- ⊕ TW4-19 perched chloroform or nitrate pumping well
- ⊕ MW-38 perched monitoring well installed February 2018
- MW-5 perched monitoring well
- TW4-12 temporary perched monitoring well
- ◇ TWN-7 temporary perched nitrate monitoring well
- PIEZ-1 perched piezometer
- ⊕ RUIN SPRING seep or spring



1 mile



**HYDRO
GEO
CHEM, INC.**

**WHITE MESA SITE PLAN SHOWING LOCATIONS OF
PERCHED WELLS AND PIEZOMETERS**

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/aug19/Uwelloc1219.srf	A-1

Tab B

Order of Sampling and Field Data Worksheets

Order of Contamination for 2nd Quarter 2020 Chloroform Purging Event

Well	Sample time	Chloroform Levels	Rinsate date/time	Water level	Well Depth
TW4-03	6/10/20 0800	ND	0735		141
TW4-42	6/10/20 0835	ND	0752		86
TW4-28	6/10/20 0852	ND	0805		107
TW4-32	6/10/20 0812	ND			115.1
TW4-12	6/10/20 0821	ND			101.5
TW4-13	6/11/20 0602	ND			102.5
TW4-36	6/11/20 0610	ND			99
TW4-31	6/11/20 0620	ND			106
TW4-34	6/11/20 0628	ND			97.2
TW4-35	6/11/20 0636	ND			87.5
TW4-23	6/11/20 0648	ND			114
- MW-32	6/12/20 1140	ND			130.6 Bladder pump
TW4-38	6/11/20 0658	ND			112.75
TW4-25	5/27/20 0915	ND			134.8 Cont. Pumping
TW4-14	6/11/20 0708	2.98			93
TW4-06	6/11/20 0718	6.93			97.5
TW4-27	6/11/20 0729	8.04			96
TW4-05	6/11/20 0740	14.8			120
- TW4-09	6/12/20 0625	48.9			120 TW4-09R_06122020 0845
TW4-30	6/12/20 0648	53.1			92.5
TW4-08	6/12/20 0658	55			125
TW4-18	6/12/20 0710	57			137.5
TW4-24	5/27/20 0925	61.7			112.5 Cont. Pumping
TW4-33	6/12/20 0724	93.7			87.9
TW4-16	6/12/20 0735	113			146.3
TW4-40	5/27/20 1245	364			86 Cont. Pumping
TW4-29	6/12/20 0746	652			93.5
TW4-07	6/12/20 0800	746			120
TW4-10	6/12/20 0812	798			111
TW4-39	5/27/20 1062	812			120 Cont. Pumping
TW4-21	5/27/20 0905	844			121 Cont. Pumping
TW4-26	6/12/20 0823	1090			86
TW4-04	5/27/20 1222	1100			112 Cont. Pumping
MW-26	5/27/20 1010	1100			122.5 Cont. Pumping
TW4-01	5/27/20 1205	1190			110 Cont. Pumping
TW4-41	5/27/20 1215	1200			97.75 Cont. Pumping
MW-04	5/27/20 1037	1230			124 Cont. Pumping
TW4-02	5/27/20 1028	1880			120 Cont. Pumping
TW4-11	5/27/20 1020	2990			100 Cont. Pumping
TW4-22	5/27/20 0935	3910			113.5 Cont. Pumping
TW4-19	5/27/20 0845	8720			125 Cont. Pumping
TW4-37	5/27/20 0945	12000			112 Cont. Pumping
TW4-20	5/27/20 0952	14300			106 Cont. Pumping

TW4-60 D.I. Blank 5/27/20 1310
 TW4-65 Duplicate 6/10/20 0735
 TW4-70 Duplicate 6/12/20 0625
 TW4-75 Duplicate 6/12/20 0800

Comments:

Post DI 6/12/2020 0915



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-04
Field Sample ID	MW-04_05272020
Purge Date & Time	5/27/2020 10:36
Sample Date & Time	5/27/2020 10:37

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	14.49
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	25
Previous Well Sampled	TW4-02

Well Depth (ft)	123.60
Well Casing Diameter (in)	3
Depth to Water Before Purging (ft)	84.10

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 10:36		1877	7.35	15.70	338	0	40.3	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	90.24
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	4.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1033. Samples collected at 1037. Water was clear. Left site at 1039.

Signature of Field Technician

Juanita Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-01
Field Sample ID	TW4-01_05272020
Purge Date & Time	5/27/2020 12:04
Sample Date & Time	5/27/2020 12:05

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	12.75
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	27
Previous Well Sampled	MW-04

Well Depth (ft)	111.30
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	91.77

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 12:04		2306	7.38	17.80	370	0	71.0	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	108.35
-----------------------------	--------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	13.00
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1200. Samples collected at 1205. Water was clear. Left site at 1207.

Signature of Field Technician

Darlene Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-02
Field Sample ID	TW4-02_05272020
Purge Date & Time	5/27/2020 10:27
Sample Date & Time	5/27/2020 10:28

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	19.85
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	25
Previous Well Sampled	TW4-11

Well Depth (ft)	120.90
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	90.49

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 10:27		3728	7.26	16.80	327	0	80.0	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	116.95
-----------------------------	--------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	14.00
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1024. Samples collected at 1028. Water was clear. Left site at 1030.

Signature of Field Technician

Danner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-03
Field Sample ID	TW4-03_06102020
Purge Date & Time	6/9/2020 12:31
Sample Date & Time	6/10/2020 7:35

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	50.18
Calculated Casing Volumes Purge Duration (min)	9.12
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	24
Previous Well Sampled	TW4-03R

Well Depth (ft)	140.30
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	63.44

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/9/2020 12:37	69.66	1830	6.80	14.92	479	5.0	71.5	
6/10/2020 7:34		1817	6.00	14.98				Before
6/10/2020 7:36		1820	6.05	15.00				After

Volume of water purged (gals)	69.66
-------------------------------	-------

Final Depth to Water (feet)	138.15
-----------------------------	--------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	6.33
Number of casing Volumes	1.38
Volume, if well evacuated to dryness (gals)	69.66

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1227. Purge began at 1231. Purged well for a total of 6 minutes and 20 seconds. Purged well dry. Purge ended at 1237. Water was clear. Left site at 1240.
Arrived on site at 0731. Depth to water was 63.75. Samples bailed and collected at 0735. Left site at 0738.

Signature of Field Technician

Summer Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-03R
Field Sample ID	TW4-03R_06092020
Purge Date & Time	
Sample Date & Time	6/9/2020 10:00

Sampling Program	
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	
Pump Type	
Purging Method	
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	
pH Buffer 4.0	
Specific Conductance ()	

Weather Conditions	
External Ambient Temperature ()	
Previous Well Sampled	

Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/9/2020 9:59	133.00	0	6.21	17.93	481	0	51.3	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	
-----------------------------	--

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

--

Signature of Field Technician

Summer Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-04
Field Sample ID	TW4-04_05272020
Purge Date & Time	5/27/2020 12:19
Sample Date & Time	5/27/2020 12:22

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	27
Previous Well Sampled	TW4-41

Well Depth (ft)	114.50
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	76.41

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 12:21		2369	7.43	17.29	343	0	103.0	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	94.34
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	14.50
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1218. Samples collected at 1222. Left site at 1224. Water was clear.

Signature of Field Technician

Turner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-05
Field Sample ID	TW4-05_06112020
Purge Date & Time	6/10/2020 15:04
Sample Date & Time	6/11/2020 7:40

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	33.28
Calculated Casing Volumes Purge Duration (min)	6.05
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	25
Previous Well Sampled	TW4-27

Well Depth (ft)	121.85
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	70.88

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/10/2020 15:09	55.00	1562	6.66	15.61	395	2.1	64.3	
6/10/2020 15:10	66.00	1557	6.66	15.60	396	2.0	64.3	
6/10/2020 15:11	77.00	1537	6.66	15.60	396	1.9	63.4	
6/10/2020 15:12	88.00	1526	6.66	15.59	397	1.9	63.0	

Volume of water purged (gals)	88.00
-------------------------------	-------

Final Depth to Water (feet)	73.42
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	8.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1500. Purge began at 1504. Purged well for a total of 8 minutes. Purge ended at 1512. Water was clear. Left site at 1514.
Arrived on site at 0736. Depth to water was 71.14. Samples bailed and collected at 0740. Left site at 0742.

Signature of Field Technician

Summer Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-06
Field Sample ID	TW4-06_06112020
Purge Date & Time	6/10/2020 14:02
Sample Date & Time	6/11/2020 7:18

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	14.01
Calculated Casing Volumes Purge Duration (min)	2.54
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	25
Previous Well Sampled	TW4-14

Well Depth (ft)	99.60
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	78.14

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/10/2020 14:03	14.66	3909	7.00	15.94	358	33.0	60.0	
6/11/2020 7:17		3936	6.61	12.25				Before
6/11/2020 7:19		3940	6.63	12.30				After

Volume of water purged (gals)	14.66
-------------------------------	-------

Final Depth to Water (feet)	96.92
-----------------------------	-------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	1.33
Number of casing Volumes	1.04
Volume, if well evacuated to dryness (gals)	14.66

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1358. Purge began at 1402. Purged well for a total of 1 minute and 20 seconds. Purged well dry. Water was a little murky. Purge ended at 1403. Left site at 1406. Arrived on site at 0714. Depth to water was 78.65. Samples bailed and collected at 0718. Left site at 0720.

Signature of Field Technician

Turner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-07
Field Sample ID	TW4-07_06122020
Purge Date & Time	6/11/2020 13:20
Sample Date & Time	6/12/2020 8:00

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	25.53
Calculated Casing Volumes Purge Duration (min)	4.64
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	28
Previous Well Sampled	TW4-29

Well Depth (ft)	121.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	81.89

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/11/2020 13:24	49.50	1670	6.54	15.17	356	6.3	48.0	
6/12/2020 7:59		1669	7.22	15.13				Before
6/12/2020 8:02		1667	7.21	15.10				After

Volume of water purged (gals)	49.50
-------------------------------	-------

Final Depth to Water (feet)	118.95
-----------------------------	--------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	4.50
Number of casing Volumes	1.93
Volume, if well evacuated to dryness (gals)	49.50

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1316. Purge began at 1320. Purged well for a total of 4 minutes and 30 seconds. Purged well dry. Purge ended at 1324. Water was clear. Left site at 1327.
Arrived on site at 0755. Depth to water was 84.66. Samples bailed and collected at 0800. Left site at 0803.

Signature of Field Technician

Turner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-08
Field Sample ID	TW4-08_06122020
Purge Date & Time	6/11/2020 10:03
Sample Date & Time	6/12/2020 6:58

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	26.18
Calculated Casing Volumes Purge Duration (min)	4.76
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	22
Previous Well Sampled	TW4-30

Well Depth (ft)	126.20
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	86.10

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/11/2020 10:05	22.00	4954	6.70	15.21	413	0	28.4	
6/11/2020 10:06	33.00	4946	6.70	15.19	414	0	26.0	
6/11/2020 10:07	44.00	4946	6.69	15.19	416	0	25.0	
6/11/2020 10:08	55.00	4943	6.67	15.18	416	0	25.0	

Volume of water purged (gals)	55.00
-------------------------------	-------

Final Depth to Water (feet)	95.45
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	5.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 1000. Purge began at 1003. Purged well for a total of 5 minutes. Purge ended at 1008. Water was clear. Left site at 1011.
Arrived on site at 0655. Depth to water was 86.30. Samples bailed and collected at 0658. Left site at 0700.

Signature of Field Technician

James Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

Location ID	TW4-09
Field Sample ID	TW4-09_06122020
Purge Date & Time	6/11/2020 9:00
Sample Date & Time	6/12/2020 6:25

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	33.38
Calculated Casing Volumes Purge Duration (min)	6.06
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	19
Previous Well Sampled	TW4-09R

Well Depth (ft)	120.10
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	68.98

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/11/2020 9:05	55.00	2489	6.73	15.19	358	23.5	11.5	
6/11/2020 9:06	66.00	2484	6.73	15.17	357	25.0	10.3	
6/11/2020 9:07	77.00	2483	6.73	15.15	357	26.0	10.0	
6/11/2020 9:08	88.00	2479	6.72	15.14	356	27.0	9.8	

Volume of water purged (gals)	88.00
-------------------------------	-------

Final Depth to Water (feet)	85.20
-----------------------------	-------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	8.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0857. Purge began at 0900. Purged well for a total of 8 minutes. Purge ended at 0908. Water was a little murky. Left site at 0910.
Arrived on site at 0621. Depth to water was 68.98. Samples bailed and collected at 0625. Left site at 0630.

Signature of Field Technician

Jarvis Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-09R
Field Sample ID	TW4-09R_06112020
Purge Date & Time	
Sample Date & Time	6/11/2020 8:45

Sampling Program	
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	
Pump Type	
Purging Method	
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	
pH Buffer 4.0	
Specific Conductance ()	

Weather Conditions	
External Ambient Temperature ()	
Previous Well Sampled	

Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/11/2020 8:44	133.00	6.0	6.70	20.83	314	0	71.0	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	
-----------------------------	--

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

--

Signature of Field Technician

Janner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-10
Field Sample ID	TW4-10_06122020
Purge Date & Time	6/11/2020 13:50
Sample Date & Time	6/12/2020 8:12

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	29.24
Calculated Casing Volumes Purge Duration (min)	5.31
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	30
Previous Well Sampled	TW4-07

Well Depth (ft)	113.20
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	68.42

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/11/2020 13:53	38.50	3090	6.00	15.34	416	6.8	47.5	
6/12/2020 8:11		2424	6.95	15.55				Before
6/12/2020 8:13		2427	6.95	15.50				After

Volume of water purged (gals)	38.50
-------------------------------	-------

Final Depth to Water (feet)	111.87
-----------------------------	--------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	3.50
Number of casing Volumes	1.31
Volume, if well evacuated to dryness (gals)	38.50

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1346. Purge began at 1350. Purged well for a total of 3 minutes and 30 seconds. Purged well dry. Purge ended at 1353. Water was clear. Left site at 1356.
Arrived on site at 0808. Depth to water was 68.44. Samples bailed and collected at 0812. Left site at 0814.

Signature of Field Technician

Summer Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-11
Field Sample ID	TW4-11_05272020
Purge Date & Time	5/27/2020 10:19
Sample Date & Time	5/27/2020 10:20

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	6.69
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	25
Previous Well Sampled	MW-26

Well Depth (ft)	102.40
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	92.15

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 10:19		3721	7.27	16.01	282	0	65.0	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	100.18
-----------------------------	--------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	16.00
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1015. Samples collected at 1020. Water was clear. Left site at 1022.

Signature of Field Technician

Janner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-12
Field Sample ID	TW4-12_06102020
Purge Date & Time	6/9/2020 15:02
Sample Date & Time	6/10/2020 8:21

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	31.59
Calculated Casing Volumes Purge Duration (min)	5.74
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	24
Previous Well Sampled	TW4-32

Well Depth (ft)	103.20
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	54.82

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/9/2020 15:06	38.50	1320	6.60	15.26	451	1.0	62.5	
6/10/2020 8:20		1397	7.23	15.12				Before
6/10/2020 8:22		1398	7.22	15.10				After

Volume of water purged (gals)	38.50
-------------------------------	-------

Final Depth to Water (feet)	101.13
-----------------------------	--------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	3.50
Number of casing Volumes	1.21
Volume, if well evacuated to dryness (gals)	38.50

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1458. Purge began at 1502. Purged well for a total of 3 minutes and 30 seconds. Purged well dry. Purge ended at 1505. Water was clear. Left site at 1510.
Arrived on site at 0817. Depth to water was 54.95. Samples bailed and collected at 0821. Left site at 0823.

Signature of Field Technician

Jarvis Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-13
Field Sample ID	TW4-13_06112020
Purge Date & Time	6/10/2020 9:04
Sample Date & Time	6/11/2020 6:02

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	32.29
Calculated Casing Volumes Purge Duration (min)	5.87
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	16
Previous Well Sampled	TW4-12

Well Depth (ft)	105.70
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	56.25

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/10/2020 9:07	40.33	1970	6.93	15.36	391	2.6	71.0	
6/11/2020 6:01		2020	7.04	16.03				Before
6/11/2020 6:03		2010	7.02	16.00				After

Volume of water purged (gals)	40.33
-------------------------------	-------

Final Depth to Water (feet)	103.43
-----------------------------	--------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	3.66
Number of casing Volumes	1.24
Volume, if well evacuated to dryness (gals)	40.33

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0900. Purge began at 0904. Purged well for a total of 3 minutes and 40 seconds. Purged well dry. Purge ended at 0908. Water was clear. Left site at 0911. Arrived on site at 0558. Depth to water was 56.33. Samples bailed and collected at 0602. Left site at 0605.
--

Signature of Field Technician

Janner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-14
Field Sample ID	TW4-14_06112020
Purge Date & Time	6/10/2020 13:34
Sample Date & Time	6/11/2020 7:08

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	11.35
Calculated Casing Volumes Purge Duration (min)	2.06
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	24
Previous Well Sampled	TW4-38

Well Depth (ft)	95.10
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	77.71

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/10/2020 13:35	13.75	5300	7.18	16.10	355	23.0	70.5	
6/11/2020 7:07		5316	6.50	13.82				Before
6/11/2020 7:09		5313	6.53	13.80				After

Volume of water purged (gals)	13.75
-------------------------------	-------

Final Depth to Water (feet)	92.98
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	1.25
Number of casing Volumes	1.21
Volume, if well evacuated to dryness (gals)	13.75

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1330. Purge began at 1334. Purged well for a total of 1 minute and 15 seconds. Purged well dry. Purge ended at 1335. Water was a little murky. Left site at 1337.
Arrived on site at 0704. Depth to water was 77.78. Samples bailed and collected at 0708. Left site at 0710.

Signature of Field Technician

Junner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-26
Field Sample ID	MW-26_05272020
Purge Date & Time	5/27/2020 10:09
Sample Date & Time	5/27/2020 10:10

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	28.13
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	25
Previous Well Sampled	TW4-39

Well Depth (ft)	121.33
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	78.25

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 10:09		3440	7.19	16.01	304	0	20.5	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	90.47
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	10.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1007. Samples collected at 1010. Water was clear. Left site at 1012.

Signature of Field Technician

James Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-16
Field Sample ID	TW4-16_06122020
Purge Date & Time	6/11/2020 12:14
Sample Date & Time	6/12/2020 7:35

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	48.87
Calculated Casing Volumes Purge Duration (min)	8.88
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	26
Previous Well Sampled	TW4-33

Well Depth (ft)	147.60
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	72.75

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/11/2020 12:21	77.00	3701	6.41	15.04	417	7.8	22.0	
6/11/2020 12:22	88.00	3715	6.42	15.04	415	6.0	20.0	
6/11/2020 12:23	99.00	3683	6.44	15.04	410	6.5	19.0	
6/11/2020 12:24	110.00	3709	6.44	15.03	395	6.4	18.5	

Volume of water purged (gals)	110.00
-------------------------------	--------

Final Depth to Water (feet)	125.78
-----------------------------	--------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	10.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1210. Purge began at 1214. Purged well for a total of 10 minutes. Purge ended at 1224. Water was clear. Left site at 1227. Arrived on site at 0732. Depth to water was 72.85. Samples bailed and collected at 0735. Left site at 0738.
--

Signature of Field Technician

Janner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-32
Field Sample ID	MW-32_06122020
Purge Date & Time	6/12/2020 6:40
Sample Date & Time	6/12/2020 11:40

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	QED
Purging Method	2 Casings
Casing Volume (gal)	32.22
Calculated Casing Volumes Purge Duration (min)	297.00
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	17
Previous Well Sampled	TW4-26

Well Depth (ft)	130.60
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	81.25

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/12/2020 11:37	64.44	3767	6.75	15.98	248	100.0	44.0	
6/12/2020 11:38	64.66	3722	6.74	15.15	235	102.0	41.0	
6/12/2020 11:39	64.88	3735	6.68	15.28	230	104.5	40.0	
6/12/2020 11:40	65.10	3729	6.66	15.06	227	106.0	39.0	

Volume of water purged (gals)	65.10
-------------------------------	-------

Final Depth to Water (feet)	86.85
-----------------------------	-------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	300.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0636. Purge began at 0640. Purged well for a total of 300 minutes. Purge ended and samples collected at 1140. Water was murky with little bubbles surfacing. Left site at 1145.

Signature of Field Technician

Jurnee Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-18
Field Sample ID	TW4-18_06122020
Purge Date & Time	6/11/2020 11:08
Sample Date & Time	6/12/2020 7:10

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	42.30
Calculated Casing Volumes Purge Duration (min)	7.69
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	24
Previous Well Sampled	TW4-08

Well Depth (ft)	136.90
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	72.12

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/11/2020 11:14	66.00	1990	6.23	15.65	431	15.8	24.0	
6/11/2020 11:15	77.00	1965	6.23	15.65	431	16.1	22.0	
6/11/2020 11:16	88.00	1930	6.23	15.65	430	16.2	20.1	
6/11/2020 11:17	99.00	1890	6.23	15.65	430	16.1	21.0	

Volume of water purged (gals)	99.00
-------------------------------	-------

Final Depth to Water (feet)	72.40
-----------------------------	-------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	9.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness (l)	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1105. Purge began at 1108. Purged well for a total of 9 minutes. Purge ended at 1117. Water was mostly clear. Left site at 1120. Arrived on site at 0707. Depth to water was 72.08. Samples bailed and collected at 0710. Left site at 0712.
--

Signature of Field Technician

Summer Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-19
Field Sample ID	TW4-19_05272020
Purge Date & Time	5/27/2020 8:44
Sample Date & Time	5/27/2020 8:45

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	33.63
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	18
Previous Well Sampled	N/A

Well Depth (ft)	126.86
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	75.35

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 8:44		2501	6.51	16.36	391	2.0	30.0	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	90.20
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	16.00
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0841. Samples collected at 0845. Water was clear. Left site at 0849.

Signature of Field Technician

Janner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-20
Field Sample ID	TW4-20_05272020
Purge Date & Time	5/27/2020 9:51
Sample Date & Time	5/27/2020 9:52

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	17.20
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	24
Previous Well Sampled	TW4-37

Well Depth (ft)	105.90
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	79.55

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 9:51		3769	6.90	17.20	318	4.0	24.6	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	88.55
-----------------------------	-------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	4.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0948. Samples collected at 0952. Water was mostly clear. Left site at 0954.

Signature of Field Technician

Janner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-21
Field Sample ID	TW4-21_05272020
Purge Date & Time	5/27/2020 9:02
Sample Date & Time	5/27/2020 9:05

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	29.24
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	19
Previous Well Sampled	TW4-19

Well Depth (ft)	118.80
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	74.02

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 9:04		2982	7.01	16.75	286	0	33.5	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	79.33
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	16.00
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0900. Samples collected at 0905. Water was clear. Left site at 0908.

Signature of Field Technician

Juanita Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-22
Field Sample ID	TW4-22_05272020
Purge Date & Time	5/27/2020 9:34
Sample Date & Time	5/27/2020 9:35

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	27.29
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	22
Previous Well Sampled	TW4-24

Well Depth (ft)	114.70
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	72.90

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 9:34		5326	7.24	16.48	348	0	90.3	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	105.64
-----------------------------	--------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	18.00
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0931. Samples collected at 0935. Water was clear. Left site at 0937.

Signature of Field Technician

Juanita Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-23
Field Sample ID	TW4-23_06112020
Purge Date & Time	6/10/2020 12:23
Sample Date & Time	6/11/2020 6:48

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	27.19
Calculated Casing Volumes Purge Duration (min)	4.94
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	22
Previous Well Sampled	TW4-35

Well Depth (ft)	116.40
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	74.75

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/10/2020 12:28	55.00	3531	6.59	14.83	249	78.0	27.3	
6/10/2020 12:29	66.00	3510	6.60	14.83	252	71.0	29.7	
6/10/2020 12:30	77.00	3516	6.61	14.81	252	71.0	31.0	
6/10/2020 12:31	88.00	3515	6.61	14.82	252	70.2	30.0	

Volume of water purged (gals)	88.00
-------------------------------	-------

Final Depth to Water (feet)	95.34
-----------------------------	-------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	8.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 1219. Purge began at 1223. Purged well for a total of 8 minutes. Purge ended at 1231. Water has an orange coloration. Left site at 1233.
Arrived on site at 0645. Depth to water was 74.85. Samples bailed and collected at 0648. Left site at 0650.

Signature of Field Technician

Jarvis Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-24
Field Sample ID	TW4-24_05272020
Purge Date & Time	5/27/2020 9:24
Sample Date & Time	5/27/2020 9:25

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	28.66
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	20
Previous Well Sampled	TW4-25

Well Depth (ft)	114.80
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	70.90

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 9:24		7951	7.08	16.00	347	25.0	19.4	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	78.23
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	17.00
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0920. Samples collected at 0925. Water was clear but had little bubbles surfacing. Left site at 0927.
--

Signature of Field Technician

Juanita Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-25
Field Sample ID	TW4-25_05272020
Purge Date & Time	5/27/2020 9:13
Sample Date & Time	5/27/2020 9:15

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	43.62
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	20
Previous Well Sampled	TW4-21

Well Depth (ft)	136.70
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	69.89

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 9:14		2514	7.12	16.05	311	0	42.0	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	89.23
-----------------------------	-------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	12.6
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 0910. Samples collected at 0915. Water was clear. Left site at 0917.

Signature of Field Technician

Juanita Hollibaugh



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-26
Field Sample ID	TW4-26_06122020
Purge Date & Time	6/11/2020 14:20
Sample Date & Time	6/12/2020 8:23

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	9.71
Calculated Casing Volumes Purge Duration (min)	1.76
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	30
Previous Well Sampled	TW4-10

Well Depth (ft)	87.70
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	72.83

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/11/2020 14:21	11.00	4728	6.70	16.21	402	12.5	68.0	
6/12/2020 8:22		4665	6.88	15.37				Before
6/12/2020 8:24		4670	6.89	15.35				After

Volume of water purged (gals)	11.00
-------------------------------	-------

Final Depth to Water (feet)	85.53
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	1.00
Number of casing Volumes	1.13
Volume, if well evacuated to dryness (gals)	11.00

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1416. Purge began at 1420. Purged well for a total of 1 minute. Purged well dry. Water was clear. Purge ended at 1421. Left site at 1423.
Arrived on site at 0819. Depth to water was 73.15. Samples bailed and collected at 0823. Left site at 0825.

Signature of Field Technician

Janner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-27
Field Sample ID	TW4-27_06112020
Purge Date & Time	6/10/2020 14:37
Sample Date & Time	6/11/2020 7:29

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	10.92
Calculated Casing Volumes Purge Duration (min)	1.98
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	25
Previous Well Sampled	TW4-06

Well Depth (ft)	95.75
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	79.02

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/10/2020 14:38	11.00	5088	7.31	16.10	366	17.8	69.0	
6/11/2020 7:28		5028	6.90	12.10				Before
6/11/2020 7:30		5027	6.91	12.15				After

Volume of water purged (gals)	11.00
-------------------------------	-------

Final Depth to Water (feet)	93.39
-----------------------------	-------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	1.00
Number of casing Volumes	1.00
Volume, if well evacuated to dryness (gals)	11.00

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 1434. Purge began at 1437. Purged well for a total of 1 minute. Purge ended at 1438. Purged well dry. Water was mostly clear. Left site at 1441.
Arrived on site at 0725. Depth to water was 79.51. Samples bailed and collected at 0729. Left site at 0731.

Signature of Field Technician

Junner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-28
Field Sample ID	TW4-28_06102020
Purge Date & Time	6/9/2020 13:39
Sample Date & Time	6/10/2020 8:05

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	39.42
Calculated Casing Volumes Purge Duration (min)	7.16
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	24
Previous Well Sampled	TW4-42

Well Depth (ft)	108.48
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	48.11

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/9/2020 13:43	47.66	1365	6.97	15.60	446	9.2	72.5	
6/10/2020 8:04		1598	7.07	14.40				Before
6/10/2020 8:06		1597	7.07	14.38				After

Volume of water purged (gals)	47.66
-------------------------------	-------

Final Depth to Water (feet)	106.47
-----------------------------	--------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	47.66
Number of casing Volumes	1.20
Volume, if well evacuated to dryness (gals)	47.66

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1335. Purge began at 1339. Purged well for a total of 4 minutes and 20 seconds. Purged well dry. Purge ended at 1443. Water was mostly clear. Left site at 1446.
Arrived on site at 0800. Depth to water was 48.30. Samples bailed and collected at 0805. Left site at 0807.

Signature of Field Technician

Juanita Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-29
Field Sample ID	TW4-29_06122020
Purge Date & Time	6/11/2020 12:54
Sample Date & Time	6/12/2020 7:46

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	10.97
Calculated Casing Volumes Purge Duration (min)	1.99
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	27
Previous Well Sampled	TW4-16

Well Depth (ft)	94.48
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	77.68

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/11/2020 12:55	11.00	4070	6.65	16.21	412	9.1	62.0	
6/12/2020 7:45		4040	7.15	15.73				Before
6/12/2020 7:47		4042	7.14	15.70				After

Volume of water purged (gals)	11.00
-------------------------------	-------

Final Depth to Water (feet)	92.09
-----------------------------	-------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	1.00
Number of casing Volumes	1.00
Volume, if well evacuated to dryness (gals)	11.00

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1250. Purge began at 1254. Purged well for a total of 1 minute. Purged well dry. Purge ended at 1255. Water was clear. Left site at 1258.
Arrived on site at 0742. Depth to water was 77.67. Samples bailed and collected at 0746. Left site at 0748.

Signature of Field Technician

Juanee Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-30
Field Sample ID	TW4-30_06122020
Purge Date & Time	6/11/2020 9:35
Sample Date & Time	6/12/2020 6:48

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	11.96
Calculated Casing Volumes Purge Duration (min)	2.17
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	19
Previous Well Sampled	TW4-09

Well Depth (ft)	93.48
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	75.16

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/11/2020 9:36	14.66	4669	5.70	15.72	405	27.7	40.4	
6/12/2020 6:47		4047	5.63	15.93				Before
6/12/2020 6:49		4050	5.65	15.90				After

Volume of water purged (gals)	14.66
-------------------------------	-------

Final Depth to Water (feet)	91.25
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	1.33
Number of casing Volumes	1.22
Volume, if well evacuated to dryness (gals)	14.66

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0932. Purge began at 0935. Purged well for a total of 1 minute and 20 seconds. Purged well dry. Purge ended at 0936. Water was a little murky. Left site at 0938.
Arrived on site at 0644. Depth to water was 75.17. Samples bailed and collected at 0648. Left site at 0650.

Signature of Field Technician

Turner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-31
Field Sample ID	TW4-31_06112020
Purge Date & Time	6/10/2020 10:09
Sample Date & Time	6/11/2020 6:20

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	20.17
Calculated Casing Volumes Purge Duration (min)	3.66
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	20
Previous Well Sampled	TW4-36

Well Depth (ft)	107.48
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	76.58

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/10/2020 10:11	22.00	4004	6.95	15.51	337	62.0	63.7	
6/11/2020 6:19		4001	7.00	13.52				Before
6/11/2020 6:21		4003	7.00	13.55				After

Volume of water purged (gals)	22.00
-------------------------------	-------

Final Depth to Water (feet)	105.42
-----------------------------	--------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	2.00
Number of casing Volumes	1.09
Volume, if well evacuated to dryness (gals)	22.00

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1005. Purge began at 1009. Purged well for a total of 2 minutes. Purged well dry. Purge ended at 1011. Water was murky. Left site at 1013.
Arrived on site at 0616. Depth to water was 76.62. Samples bailed and collected at 0620. Left site at 0623.

Signature of Field Technician

Janner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-32
Field Sample ID	TW4-32_06102020
Purge Date & Time	6/9/2020 14:21
Sample Date & Time	6/10/2020 8:12

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	38.54
Calculated Casing Volumes Purge Duration (min)	7.00
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	24
Previous Well Sampled	TW4-28

Well Depth (ft)	114.64
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	55.61

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/9/2020 14:26	55.00	6377	4.27	14.99	479	9.0	28.0	
6/9/2020 14:27	66.00	6399	4.28	14.98	479	10.0	30.0	
6/9/2020 14:28	77.00	6407	4.28	14.98	479	10.0	31.0	
6/9/2020 14:29	88.00	6391	4.28	15.00	480	11.0	32.0	

Volume of water purged (gals)	88.00
-------------------------------	-------

Final Depth to Water (feet)	84.50
-----------------------------	-------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	8.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1417. Purge began at 1421. Purged well for a total of 8 minutes. Purge ended at 1429. Water was mostly clear. Pump and hose had salt like crystals on them when pulled. Left site at 1433. Arrived on site at 0808. Depth to water was 55.69. Samples bailed and collected at 0812. Left site at 0814.

Signature of Field Technician

Janner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-33
Field Sample ID	TW4-33_06122020
Purge Date & Time	6/11/2020 11:48
Sample Date & Time	6/12/2020 7:24

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	5.94
Calculated Casing Volumes Purge Duration (min)	1.08
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	26
Previous Well Sampled	TW4-18

Well Depth (ft)	86.23
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	77.13

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/11/2020 11:49	5.5	5008	6.43	17.45	422	19.8	59.0	
6/12/2020 7:23		4417	6.77	15.77				Before
6/12/2020 7:25		4428	6.80	15.73				After

Volume of water purged (gals)	5.5
-------------------------------	-----

Final Depth to Water (feet)	84.10
-----------------------------	-------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	0.50
Number of casing Volumes	0.92
Volume, if well evacuated to dryness (gals)	5.5

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1144. Purge began at 1148. Purged well for a total of 30 seconds. Purged well dry. Purge ended at 1149. Water was mostly clear. Left site at 1151.
Arrived on site at 0720. Depth to water was 77.41. Samples bailed and collected at 0724. Left site at 0727.

Signature of Field Technician

Turner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-34
Field Sample ID	TW4-34_06112020
Purge Date & Time	6/10/2020 10:41
Sample Date & Time	6/11/2020 6:28

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	12.97
Calculated Casing Volumes Purge Duration (min)	2.35
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	20
Previous Well Sampled	TW4-31

Well Depth (ft)	95.74
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	75.87

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/10/2020 10:42	16.50	3499	6.94	15.54	337	11.0	65.0	
6/11/2020 6:27		3462	7.17	13.66				Before
6/11/2020 6:29		3465	7.17	13.61				After

Volume of water purged (gals)	16.50
-------------------------------	-------

Final Depth to Water (feet)	93.51
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	1.50
Number of casing Volumes	1.27
Volume, if well evacuated to dryness (gals)	16.50

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1037. Purge began at 1041. Purged well for a total of 1 minute and 30 seconds. Purged well dry. Purge ended at 1042. Water was clear. Left site at 1045. Arrived on site at 0624. Depth to water was 75.90. Samples bailed and collected at 0628. Left site at 0630.

Signature of Field Technician

Turner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-35
Field Sample ID	TW4-35_06112020
Purge Date & Time	6/10/2020 11:54
Sample Date & Time	6/11/2020 6:36

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	7.42
Calculated Casing Volumes Purge Duration (min)	1.34
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	21
Previous Well Sampled	TW4-34

Well Depth (ft)	86.50
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	75.13

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/10/2020 11:55	7.33	4414	7.01	17.45	364	13.1	70.0	
6/11/2020 6:35		4331	6.94	12.20				Before
6/11/2020 6:37		4340	6.93	12.31				After

Volume of water purged (gals)	7.33
-------------------------------	------

Final Depth to Water (feet)	84.48
-----------------------------	-------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	0.66
Number of casing Volumes	0.98
Volume, if well evacuated to dryness (gals)	7.33

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1150. Purge began at 1154. Purged well for a total of 40 seconds. Purged well dry. Purge ended at 1155. Water was clear. Left site at 1157.
Arrived on site at 0632. Depth to water was 75.19. Samples bailed and collected at 0636. Left site at 0638.

Signature of Field Technician

Durren Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-36
Field Sample ID	TW4-36_06112020
Purge Date & Time	6/10/2020 9:37
Sample Date & Time	6/11/2020 6:10

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	27.20
Calculated Casing Volumes Purge Duration (min)	4.94
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	18
Previous Well Sampled	TW4-13

Well Depth (ft)	99.41
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	57.75

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/10/2020 9:40	33.00	2435	6.75	15.35	245	18.0	52.0	
6/11/2020 6:09		2404	6.87	13.59				Before
6/11/2020 6:11		2407	6.87	13.60				After

Volume of water purged (gals)	33.00
-------------------------------	-------

Final Depth to Water (feet)	97.22
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	3.00
Number of casing Volumes	1.21
Volume, if well evacuated to dryness (gals)	33.00

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0933. Purge began at 0937. Purged well for a 3 minutes. Purge ended at 0940. Purged well dry. Water was clear. Left site at 0943.
Arrived on site at 0606. Depth to water was 58.58. Samples bailed and collected at 0610. Left site at 0613.

Signature of Field Technician

Juanne Hilliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-37
Field Sample ID	TW4-37_05272020
Purge Date & Time	5/27/2020 9:43
Sample Date & Time	5/27/2020 9:45

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	24.87
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	23
Previous Well Sampled	TW4-22

Well Depth (ft)	113.72
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	75.63

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 9:44		4452	7.25	16.80	347	0	61.3	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	84.29
-----------------------------	-------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	18.00
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 0940. Samples collected at 0945. Water was clear. Left site at 0947.

Signature of Field Technician

Juanita Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-38
Field Sample ID	TW4-38_06112020
Purge Date & Time	6/10/2020 12:59
Sample Date & Time	6/11/2020 6:58

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	35.91
Calculated Casing Volumes Purge Duration (min)	6.53
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	23
Previous Well Sampled	TW4-23

Well Depth (ft)	113.92
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	58.92

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/10/2020 13:03	44.00	1862	6.67	14.89	345	22.0	58.6	
6/10/2020 13:04	55.00	1885	6.68	14.88	347	18.5	57.4	
6/10/2020 13:05	66.00	1804	6.67	14.95	347	20.0	56.1	
6/10/2020 13:06	77.00	1820	6.68	14.90	347	19.0	56.0	

Volume of water purged (gals)	77.00
-------------------------------	-------

Final Depth to Water (feet)	91.20
-----------------------------	-------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	7.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1255. Purge began at 1259. Purged well for a total of 7 minutes. Purge ended at 1306. Water was a little murky. Left site at 1309.
Arrived on site at 0654. Depth to water was 59.12. Samples bailed and collected at 0658. Left site at 0700.

Signature of Field Technician

Junner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-39
Field Sample ID	TW4-39_05272020
Purge Date & Time	5/27/2020 10:01
Sample Date & Time	5/27/2020 10:02

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	23.34
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	24
Previous Well Sampled	TW4-20

Well Depth (ft)	120.74
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	84.99

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 10:01		2280	7.04	16.40	279	0	55.0	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	98.15
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	18.00
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0958. Samples collected at 1002. Water was clear. Left site at 1004.

Signature of Field Technician

Janner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-40
Field Sample ID	TW4-40_05272020
Purge Date & Time	5/27/2020 12:44
Sample Date & Time	5/27/2020 12:45

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	9.20
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	28
Previous Well Sampled	TW4-04

Well Depth (ft)	86.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	71.90

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 12:44		3977	7.33	17.20	319	0	79.5	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	77.54
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	18.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1241. Samples collected at 1245. Water was clear. Left site at 1248.

Signature of Field Technician

Jurnee Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-41
Field Sample ID	TW4-41_05272020
Purge Date & Time	5/27/2020 12:14
Sample Date & Time	5/27/2020 12:15

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	13.01
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	27
Previous Well Sampled	TW4-01

Well Depth (ft)	97.75
Well Casing Diameter (in)	6
Depth to Water Before Purging (ft)	88.89

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 12:14		2617	7.46	18.01	382	0	95.1	

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	93.54
-----------------------------	-------

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	5.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1211. Samples collected at 1215. Water was clear. Left site at 1217.

Signature of Field Technician

Jarrett Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-42
Field Sample ID	TW4-42_06102020
Purge Date & Time	6/9/2020 13:04
Sample Date & Time	6/10/2020 7:52

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	11.48
Calculated Casing Volumes Purge Duration (min)	2.08
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	24
Previous Well Sampled	TW4-03

Well Depth (ft)	86.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	68.41

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
6/9/2020 13:05	13.75	3611	6.66	15.80	465	0	56.0	
6/10/2020 7:51		3449	6.97	14.89				Before
6/10/2020 7:53		3451	6.98	14.88				After

Volume of water purged (gals)	13.75
-------------------------------	-------

Final Depth to Water (feet)	84.01
-----------------------------	-------

Name of Certified Analytical Laboratory	AWSL
---	------

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	1.25
Number of casing Volumes	1.19
Volume, if well evacuated to dryness (gals)	13.75

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1301. Purge began at 1304. Purged well for a total of 1 minute and 15 seconds. Purged well dry. Purge ended at 1305. Water was clear. Left site at 1309.
Arrived on site at 0748. Depth to water was 68.78. Samples bailed and collected at 0752. Left site at 0754.

Signature of Field Technician

Juanita Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-60
Field Sample ID	TW4-60_05272020
Purge Date & Time	5/27/2020 13:09
Sample Date & Time	5/27/2020 13:10

Sampling Program	Chloroform Monitoring
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	28
Previous Well Sampled	TW4-40

Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
5/27/2020 13:09		1.0	7.71	22.10	333	0	95.0	

Volume of water purged ()

Final Depth to Water (feet)

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived in lab at 1305. Samples collected at 1310. Left site at 1312.

Signature of Field Technician

Jarner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-65
Field Sample ID	TW4-65_06102020
Purge Date & Time	
Sample Date & Time	6/10/2020 7:35

Sampling Program	
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	
Pump Type	
Purging Method	
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	
pH Buffer 4.0	
Specific Conductance ()	

Weather Conditions	
External Ambient Temperature ()	
Previous Well Sampled	

Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged	Conductivity	pH	Temp	Redox	Turbidity	Dissolved Oxygen	Before/After
-----------	----------------	--------------	----	------	-------	-----------	------------------	--------------

Volume of water purged ()	
---------------------------	--

Final Depth to Water (feet)	
-----------------------------	--

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Duplicate of TW4-03

Signature of Field Technician

Junner Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-70
Field Sample ID	TW4-70_06122020
Purge Date & Time	
Sample Date & Time	6/12/2020 6:25

Sampling Program	
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	
Pump Type	
Purging Method	
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	
pH Buffer 4.0	
Specific Conductance ()	

Weather Conditions	
External Ambient Temperature ()	
Previous Well Sampled	

Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged	Conductivity	pH	Temp	Redox	Turbidity	Dissolved Oxygen	Before/After
-----------	----------------	--------------	----	------	-------	-----------	------------------	--------------

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	
-----------------------------	--

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Duplicate of TW4-09

Signature of Field Technician

Summer Holliday



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-75
Field Sample ID	TW4-75_06122020
Purge Date & Time	
Sample Date & Time	6/12/2020 8:00

Sampling Program	
Sampling Event	2020 Q2 Chloroform

Sampler	TH/DL
---------	-------

Purging Equipment	
Pump Type	
Purging Method	
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	
pH Buffer 4.0	
Specific Conductance ()	

Weather Conditions	
External Ambient Temperature ()	
Previous Well Sampled	

Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged	Conductivity	pH	Temp	Redox	Turbidity	Dissolved Oxygen	Before/After
-----------	----------------	--------------	----	------	-------	-----------	------------------	--------------

Volume of water purged ()	
----------------------------	--

Final Depth to Water (feet)	
-----------------------------	--

Name of Certified Analytical Laboratory	
AWSL	

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Duplicate of TW4-07

Signature of Field Technician

Jarvis Holliday

Tab C

Weekly and Monthly Depth to Water Data

Monthly Depth Check Form

Date 4/2/2020

Name Deen Lyman, Tanner Holliday

<u>Time</u>	<u>Well</u>	<u>Depth*</u>	<u>Time</u>	<u>Well</u>	<u>Depth*</u>
<u>1010</u>	<u>MW-4</u>	<u>89.68</u>	<u>1229</u>	<u>TWN-1</u>	<u>67.55</u>
<u>1007</u>	<u>TW4-1</u>	<u>105.55</u>	<u>1219</u>	<u>TWN-2</u>	<u>78.10</u>
<u>1015</u>	<u>TW4-2</u>	<u>111.71</u>	<u>1209</u>	<u>TWN-3</u>	<u>42.29</u>
<u>1023</u>	<u>TW4-3</u>	<u>62.76</u>	<u>1212</u>	<u>TWN-4</u>	<u>60.45</u>
<u>1000</u>	<u>TW4-4</u>	<u>86.12</u>	<u>1206</u>	<u>TWN-7</u>	<u>81.31</u>
<u>1035</u>	<u>TW4-5</u>	<u>70.11</u>	<u>1215</u>	<u>TWN-18</u>	<u>61.75</u>
<u>0955</u>	<u>TW4-6</u>	<u>77.45</u>	<u>1203</u>	<u>MW-27</u>	<u>56.65</u>
<u>1012</u>	<u>TW4-7</u>	<u>82.72</u>	<u>1157</u>	<u>MW-30</u>	<u>74.74</u>
<u>1021</u>	<u>TW4-8</u>	<u>85.85</u>	<u>1153</u>	<u>MW-31</u>	<u>68.73</u>
<u>1031</u>	<u>TW4-9</u>	<u>68.08</u>			
<u>1038</u>	<u>TW4-10</u>	<u>67.45</u>			
<u>1018</u>	<u>TW4-11</u>	<u>90.74</u>			
<u>0921</u>	<u>TW4-12</u>	<u>54.23</u>			
<u>0918</u>	<u>TW4-13</u>	<u>55.53</u>	<u>0925</u>	<u>TW4-28</u>	<u>47.26</u>
<u>0911</u>	<u>TW4-14</u>	<u>77.42</u>	<u>0844</u>	<u>TW4-29</u>	<u>77.04</u>
<u>1046</u>	<u>TW4-15</u>	<u>79.15</u>	<u>0830</u>	<u>TW4-30</u>	<u>74.61</u>
<u>1042</u>	<u>TW4-16</u>	<u>77.88</u>	<u>0827</u>	<u>TW4-31</u>	<u>76.14</u>
<u>1150</u>	<u>TW4-17</u>	<u>80.65</u>	<u>0928</u>	<u>TW4-32</u>	<u>54.80</u>
<u>1226</u>	<u>TW4-18</u>	<u>71.15</u>	<u>0820</u>	<u>TW4-33</u>	<u>76.63</u>
<u>1245</u>	<u>TW4-19</u>	<u>70.11</u>	<u>0839</u>	<u>TW4-34</u>	<u>75.28</u>
<u>1057</u>	<u>TW4-20</u>	<u>79.77</u>	<u>0834</u>	<u>TW4-35</u>	<u>74.65</u>
<u>1224</u>	<u>TW4-21</u>	<u>73.02</u>	<u>0915</u>	<u>TW4-36</u>	<u>57.24</u>
<u>1147</u>	<u>TW4-22</u>	<u>64.65</u>	<u>1054</u>	<u>TW4-37</u>	<u>74.19</u>
<u>0950</u>	<u>TW4-23</u>	<u>74.06</u>	<u>1028</u>	<u>TW4-38</u>	<u>58.24</u>
<u>1145</u>	<u>TW4-24</u>	<u>66.86</u>	<u>1050</u>	<u>TW4-39</u>	<u>72.33</u>
<u>1221</u>	<u>TW4-25</u>	<u>107.78</u>	<u>0939</u>	<u>TW4-40</u>	<u>72.03</u>
<u>0945</u>	<u>TW4-26</u>	<u>71.97</u>	<u>1003</u>	<u>TW4-41</u>	<u>81.18</u>
<u>0823</u>	<u>TW4-27</u>	<u>78.55</u>	<u>0816</u>	<u>TW4-42</u>	<u>67.98</u>

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

* Depth is measured to the nearest 0.01 feet

Weekly Inspection Form

Date 4-6-20

Name Deerghyan, Torrance Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0952	MW-4	92.88	Flow 3.8 Meter 2498953.03	Yes No Yes No
0933	MW-26	84.12	Flow 10.2 Meter 464326.6	Yes No Yes No
1045	TW4-19	69.73	Flow 18.0 Meter 2109475.5	Yes No Yes No
0923	TW4-20	68.05	Flow 4.0 Meter 336043.55	Yes No Yes No
1007	TW4-4	85.95	Flow 14.4 Meter 694672.8	Yes No Yes No
0900	TWN-2	68.20	Flow 17.6 Meter 1286283.6	Yes No Yes No
0913	TW4-22	72.08	Flow 16.4 Meter 693003.7	Yes No Yes No
0908	TW4-24	68.71	Flow 14.8 Meter 1323218.52	Yes No Yes No
0953	TW4-25	82.11	Flow 12.6 Meter 443865.82	Yes No Yes No
0957	TW4-1	103.03	Flow 14.0 Meter 322903.1	Yes No Yes No
0946	TW4-2	112.74	Flow 17.8 Meter 378827.8	Yes No Yes No
0939	TW4-11	90.61	Flow 16.8 Meter 67849.3	Yes No Yes No
0848	TW4-21	71.35	Flow 17.6 Meter 2186561.23	Yes No Yes No
0918	TW4-37	81.27	Flow 18.0 Meter 1719264.8	Yes No Yes No
0928	TW4-39	72.52	Flow 18.0 Meter 633005.5	Yes No Yes No
1014	TW4-40	71.64	Flow 18.0 Meter 416163.74	Yes No Yes No
1002	TW4-41	90.11	Flow 6.2 Meter 274865.33	Yes No 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 4-13-20

Name Dea G. Taylor, Trainer Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0844	MW-4	86.15	Flow 4.2 Meter 2506539.98	Yes No Yes No
0821	MW-26	82.62	Flow 11.8 Meter 466201.7	Yes No Yes No
1005	TW4-19	70.45	Flow 18.0 Meter 2116864.0	Yes No Yes No
0808	TW4-20	69.45	Flow 2.8 Meter 336476.27	Yes No Yes No
0909	TW4-4	78.44	Flow 14.6 Meter 695761.3	Yes No Yes No
0742	TWN-2	81.34	Flow 17.6 Meter 1289259.0	Yes No Yes No
0756	TW4-22	73.77	Flow 18.0 Meter 694551.5	Yes No Yes No
0750	TW4-24	69.12	Flow 15.7 Meter 1327457.29	Yes No Yes No
0736	TW4-25	71.41	Flow 11.8 Meter 450211.88	Yes No Yes No
0851	TW4-1	107.88	Flow 12.6 Meter 322895.0	Yes No Yes No
0835	TW4-2	113.22	Flow 12.8 Meter 379832.6	Yes No Yes No
0828	TW4-11	90.86	Flow 16.4 Meter 67984.8	Yes No Yes No
0730	TW4-21	70.03	Flow 16.4 Meter 2194541.59	Yes No Yes No
0802	TW4-37	74.65	Flow 18.0 Meter 1722127.1	Yes No Yes No
0815	TW4-39	72.50	Flow 18.0 Meter 636995.7	Yes No Yes No
0920	TW4-40	71.65	Flow 18.0 Meter 423631.16	Yes No Yes No
0900	TW4-41	86.90	Flow 4.0 Meter 276129.03	Yes No 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 4-20-20

Name Dezo G Lyman Tamara Halliday

System Operational (If no note any problems/corrective actions)

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0922	MW-4	88.95	Flow 3.5 Meter 2513934.33	Yes No Yes No
0901	MW-26	76.06	Flow 11.8 Meter 468155.6	Yes No Yes No
1045	TW4-19	72.28	Flow 18.0 Meter 2124127.8	Yes No Yes No
0851	TW4-20	81.10	Flow 3.0 Meter 343616.76	Yes No Yes No
0946	TW4-4	84.57	Flow 16.4 Meter 696736.4	Yes No Yes No
0751	TWN-2	62.66	Flow 16.0 Meter 1291272.6	Yes No Yes No
0841	TW4-22	73.32	Flow 18.0 Meter 696799.9	Yes No Yes No
0836	TW4-24	68.03	Flow 16.2 Meter 1331222.14	Yes No Yes No
0745	TW4-25	72.12	Flow 11.6 Meter 456627.90	Yes No Yes No
0927	TW4-1	106.15	Flow 12.6 Meter 323454.4	Yes No Yes No
0913	TW4-2	92.18	Flow 16.0 Meter 360616.5	Yes No Yes No
0908	TW4-11	91.11	Flow 16.2 Meter 68134.3	Yes No Yes No
0737	TW4-21	83.50	Flow 16.8 Meter 2202588.73	Yes No Yes No
0846	TW4-37	73.56	Flow 18.0 Meter 1727193.3	Yes No Yes No
0856	TW4-39	75.30	Flow 18.0 Meter 638788.5	Yes No Yes No
0953	TW4-40	72.73	Flow 18.0 Meter 431088.18	Yes No Yes No
0937	TW4-41	82.36	Flow 4.6 Meter 277351.28	Yes No 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 4-27-20

Name Dea Glyman, Tanner Holliday

System Operational (If no note any problems/corrective actions)

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0950	MW-4	88.93	Flow 3.50 Meter 2521852.00	Yes No Yes No
0930	MW-26	70.29	Flow 10.4 Meter 469990.7	Yes No Yes No
1037	TW4-19	69.20	Flow 18.0 Meter 2129733.5	Yes No Yes No
0845	TW4-20	80.14	Flow 4.0 Meter 351315.57	Yes No Yes No
1010	TW4-4	79.80	Flow 13.0 Meter 697344.2	Yes No Yes No
0811	TWN-2	57.81	Flow 18.0 Meter 1293427.0	Yes No Yes No
0833	TW4-22	72.73	Flow 18.0 Meter 698244.9	Yes No Yes No
0826	TW4-24	69.50	Flow 16.2 Meter 1335505.10	Yes No Yes No
0804	TW4-25	78.35	Flow 10.4 Meter 463100.20	Yes No Yes No
0955	TW4-1	105.70	Flow 12.8 Meter 324127.1	Yes No Yes No
0945	TW4-2	112.11	Flow 16.4 Meter 381834.0	Yes No Yes No
0938	TW4-11	89.85	Flow 16.8 Meter 68277.4	Yes No Yes No
0757	TW4-21	73.21	Flow 16.0 Meter 2210755.22	Yes No Yes No
0840	TW4-37	76.17	Flow 18.0 Meter 1732179.2	Yes No Yes No
0850	TW4-39	84.48	Flow 18.0 Meter 641553.3	Yes No Yes No
1019	TW4-40	71.77	Flow 18.0 Meter 438385.18	Yes No Yes No
1003	TW4-41	82.12	Flow 5.8 Meter 278652.35	Yes No 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 5-4-20

Name Deen Gabyman, Tanager Halliday

System Operational (If no note any problems/corrective actions)

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
* 0921	MW-4	88.70	Flow 4.0 Meter 25290038.1	Yes No Yes No
0848	MW-26	85.63	Flow 11.2 Meter 471796.3	Yes No Yes No
1010	TW4-19	68.18	Flow — Meter 2129776.1	Yes No Yes No
0838	TW4-20	69.90	Flow 2.5 Meter 359306.60	Yes No Yes No
0944	TW4-4	80.33	Flow 16.0 Meter 698837.1	Yes No Yes No
0815	TWN-2	59.80	Flow 16.4 Meter 1296251.3	Yes No Yes No
0828	TW4-22	70.23	Flow 18.0 Meter 700490.8	Yes No Yes No
0821	TW4-24	69.51	Flow 14.4 Meter 1339786.08	Yes No Yes No
0809	TW4-25	72.45	Flow 12.4 Meter 469755.48	Yes No Yes No
0927	TW4-1	106.14	Flow 13.0 Meter 324828.7	Yes No Yes No
* 0916	TW4-2	110.21	Flow 16.2 Meter 382623.0	Yes No Yes No
0910	TW4-11	90.60	Flow 16.8 Meter 68421.5	Yes No Yes No
0804	TW4-21	72.12	Flow 17.4 Meter 2218727.07	Yes No Yes No
0834	TW4-37	76.17	Flow 18.0 Meter 1737011.4	Yes No Yes No
0843	TW4-39	85.05	Flow 18.0 Meter 644252.7	Yes No Yes No
0952	TW4-40	71.77	Flow 18.0 Meter 445722.25	Yes No Yes No
0937	TW4-41	88.02	Flow 4.8 Meter 27972748	Yes No Yes No

Operational Problems (Please list well number): TW4-19 - lost the pump

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 5-11-20

Name Deen G Lyman

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1009	MW-4	88.17	Flow 4.0 Meter 2536709.34	Yes No Yes No
0951	MW-26	79.86	Flow 11.2 Meter 473504.2	Yes No Yes No
1045	TW4-19	71.43	Flow 16.0 Meter 2138815.0	Yes No Yes No
0940	TW4-20	69.50	Flow 2.4 Meter 367993.44	Yes No Yes No
1026	TW4-4	85.22	Flow 16.0 Meter 700173.7	Yes No Yes No
0918	TWN-2	59.18	Flow 16.8 Meter 1298299.6	Yes No Yes No
0929	TW4-22	78.25	Flow 18.0 Meter 702246.1	Yes No Yes No
0924	TW4-24	71.77	Flow 16.4 Meter 1343804.05	Yes No Yes No
0905	TW4-25	69.53	Flow 10.6 Meter 476277.47	Yes No Yes No
1015	TW4-1	106.30	Flow 12.2 Meter 325517.5	Yes No Yes No
1004	TW4-2	111.37	Flow 16.2 Meter 383844.2	Yes No Yes No
0958	TW4-11	91.03	Flow 16.8 Meter 68563.4	Yes No Yes No
0900	TW4-21	78.10	Flow 17.8 Meter 2226871.10	Yes No Yes No
0935	TW4-37	72.44	Flow 18.0 Meter 1741843.8	Yes No Yes No
0945	TW4-39	84.60	Flow 18.0 Meter 64789.62	Yes No Yes No
1032	TW4-40	84.88	Flow 18.0 Meter 452944.43	Yes No Yes No
1021	TW4-41	87.71	Flow 6.2 Meter 280914.79	Yes No 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 5-18-20

Name J. Dean Lyman

**System Operational (If no note
any problems/corrective actions)**

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0942	MW-4	90.02	Flow 4.0 Meter 2544337.34	Yes No Yes No
0917	MW-26	88.78	Flow 10.2 Meter 475304.2	Yes No Yes No
1350	TW4-19	72.08	Flow 16.0 Meter 2151825.7	Yes No Yes No
0905	TW4-20	68.62	Flow 4.0 Meter 377343.47	Yes No Yes No
1008	TW4-4	85.45	Flow 12.6 Meter 701298.5	Yes No Yes No
0830	TWN-2	58.70	Flow 18.0 Meter 1300617.0	Yes No Yes No
0854	TW4-22	71.38	Flow 18.0 Meter 704186.8	Yes No Yes No
0845	TW4-24	69.24	Flow 15.2 Meter 1347610.84	Yes No Yes No
0822	TW4-25	72.05	Flow 10.4 Meter 482788.90	Yes No Yes No
0948	TW4-1	102.20	Flow 14.0 Meter 326290.4	Yes No Yes No
0936	TW4-2	107.56	Flow 17.8 Meter 384848.2	Yes No Yes No
0930	TW4-11	90.41	Flow 17.0 Meter 68710.3	Yes No Yes No
0815	TW4-21	79.11	Flow 16.2 Meter 2234884.37	Yes No Yes No
0859	TW4-37	73.55	Flow 18.0 Meter 1746796.7	Yes No Yes No
0911	TW4-39	78.13	Flow 18.0 Meter 649374.9	Yes No Yes No
1014	TW4-40	71.80	Flow 18.0 Meter 460301.96	Yes No Yes No
0959	TW4-41	87.91	Flow 6.0 Meter 282168.77	Yes No 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 5-26-20

Name Deen G Lyman

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0952	MW-4	89.90	Flow 4.0 Meter 2553027.05	Yes No Yes No
0933	MW-26	80.18	Flow 10.2 Meter 477379.9	Yes No Yes No
1145	TW4-19	72.26	Flow 16.8 Meter 2166340.3	Yes No Yes No
0923	TW4-20	89.41	Flow 3.6 Meter 387922.62	Yes No Yes No
1015	TW4-4	86.63	Flow 14.4 Meter 702441.1	Yes No Yes No
0900	TWN-2	89.81	Flow 17.6 Meter 1303228.2	Yes No Yes No
0913	TW4-22	72.32	Flow 18.0 Meter 706209.6	Yes No Yes No
0906	TW4-24	70.50	Flow 16.8 Meter 1352617.74	Yes No Yes No
0853	TW4-25	69.27	Flow 12.6 Meter 490167.75	Yes No Yes No
1000	TW4-1	106.06	Flow 12.4 Meter 327077.7	Yes No Yes No
0947	TW4-2	110.68	Flow 14.0 Meter 386017.5	Yes No Yes No
x 0942	TW4-11	90.75	Flow 15.8 Meter 68852.3	Yes No Yes No
0843	TW4-21	73.15	Flow 16.4 Meter 2243852.56	Yes No Yes No
0918	TW4-37	73.80	Flow 18.0 Meter 1752226.8	Yes No Yes No
0928	TW4-39	85.25	Flow 18.0 Meter 652327.5	Yes No Yes No
1022	TW4-40	71.88	Flow 18.0 Meter 468691.76	Yes No Yes No
1007	TW4-41	89.04	Flow 6.0 Meter 2836622.6	Yes No 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 6-1-20

Name Deen Glyman, Tanner Holliday

System Operational (if no note any problems/corrective actions)

Time	Well	Depth*	Comments	System Operational (if no note any problems/corrective actions)
1028	MW-4	85.45	Flow 4.0 Meter 2559528.33	Yes No Yes No
0956	MW-26	71.58	Flow 10.8 Meter 478711.8	Yes No Yes No
1149	TW4-19	72.53	Flow 17.0 Meter 21772984	Yes No Yes No
0929	TW4-20	95.60	Flow 12.8 4.0 Meter 395618.71	Yes No Yes No
1045	TW4-4	88.17	Flow 10.8 12.8 Meter 703409.5	Yes No Yes No
0901	TWN-2	68.21	Flow 16.0 Meter 1305585.1	Yes No Yes No
0918	TW4-22	64.25	Flow 18.0 Meter 707615.7	Yes No Yes No
0912	TW4-24	64.43	Flow 16.0 Meter 1356161.54	Yes No Yes No
* 0855	TW4-25	68.05	Flow 11.2 Meter 495888.92	Yes No Yes No
1034	TW4-1	102.66	Flow 12.5 Meter 327645.2	<u>Yes</u> No <u>Yes</u> No
1012	TW4-2	106.80	Flow 16.2 Meter 386861.7	Yes No Yes No
* 1002	TW4-11	91.03	Flow 16.4 Meter 68994.8	Yes No Yes No
0827	TW4-21	74.89	Flow 16.4 Meter 2250603.80	Yes No Yes No
0923	TW4-37	66.56	Flow 18.0 Meter 1756472.7	Yes No Yes No
0950	TW4-39	69.45	Flow 18.0 Meter 654672.1	Yes No Yes No
1052	TW4-40	71.85	Flow 18.0 Meter 474636.55	Yes No Yes No
1039	TW4-41	85.15	Flow 5.2 Meter 284672.60	Yes No Yes No

Operational Problems (Please list well number): _____

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

* Depth is measured to the nearest 0.01 feet.

Monthly Depth Check Form

Date 6-4-20

Name Deen & Lyman Turner Holliday

<u>Time</u>	<u>Well</u>	<u>Depth*</u>	<u>Time</u>	<u>Well</u>	<u>Depth*</u>
<u>1332</u>	MW-4	<u>89.90</u>	** <u>0700</u>	TWN-1	<u>67.82</u>
<u>1328</u>	TW4-1	<u>102.12</u>	<u>1459</u>	TWN-2	<u>56.44</u>
<u>1335</u>	TW4-2	<u>108.21</u>	<u>0705</u>	TWN-3	<u>42.28</u>
* <u>1352</u>	TW4-3	<u>63.18</u>	<u>0709</u>	TWN-4	<u>60.86</u>
<u>1321</u>	TW4-4	<u>85.25</u>	<u>0724</u>	TWN-7	<u>81.92</u>
** <u>1413</u>	TW4-5	<u>70.60</u>	<u>0714</u>	TWN-18	<u>62.06</u>
<u>0945</u>	TW4-6	<u>77.94</u>	<u>0719</u>	MW-27	<u>57.10</u>
* <u>1341</u>	TW4-7	<u>82.70</u>	<u>0735</u>	MW-30	<u>75.03</u>
** <u>1347</u>	TW4-8	<u>85.97</u>	<u>1430</u>	MW-31	<u>68.93</u>
** <u>1409</u>	TW4-9	<u>68.60</u>			
* <u>1417</u>	TW4-10	<u>68.03</u>			
<u>1338</u>	TW4-11	<u>90.11</u>			
<u>0923</u>	TW4-12	<u>54.71</u>			
<u>0920</u>	TW4-13	<u>55.99</u>	<u>0927</u>	TW4-28	<u>47.99</u>
<u>0913</u>	TW4-14	<u>77.55</u>	<u>0841</u>	TW4-29	<u>77.45</u>
<u>1420</u>	TW4-15	<u>80.35</u>	* <u>0828</u>	TW4-30	<u>74.94</u>
<u>1423</u>	TW4-16	<u>72.36</u>	<u>0824</u>	TW4-31	<u>76.41</u>
<u>1426</u>	TW4-17	<u>80.97</u>	<u>0930</u>	TW4-32	<u>55.40</u>
* <u>1515</u>	TW4-18	<u>71.71</u>	<u>0816</u>	TW4-33	<u>77.01</u>
<u>1522</u>	TW4-19	<u>73.50</u>	<u>0837</u>	TW4-34	<u>75.66</u>
<u>1440</u>	TW4-20	<u>70.06</u>	<u>0833</u>	TW4-35	<u>74.97</u>
<u>1510</u>	TW4-21	<u>72.61</u>	<u>0916</u>	TW4-36	<u>57.55</u>
<u>1448</u>	TW4-22	<u>69.27</u>	<u>1444</u>	TW4-37	<u>70.18</u>
<u>0942</u>	TW4-23	<u>74.55</u>	<u>1405</u>	TW4-38	<u>58.65</u>
<u>1453</u>	TW4-24	<u>69.95</u>	<u>1437</u>	TW4-39	<u>72.88</u>
<u>1505</u>	TW4-25	<u>76.13</u>	<u>0935</u>	TW4-40	<u>71.86</u>
** <u>0938</u>	TW4-26	<u>72.55</u>	<u>1325</u>	TW4-41	<u>80.17</u>
<u>0820</u>	TW4-27	<u>78.87</u>	<u>0812</u>	TW4-42	<u>68.51</u>

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

* Depth is measured to the nearest 0.01 feet

Weekly Inspection Form

Date 6-8-20

Name Debra G Lyman, Tanner Holliday

**System Operational (If no note
any problems/corrective actions)**

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
* 0910	MW-4	88.78	Flow 4.0 Meter 2566390.94	Yes No Yes No
* 0840	MW-26	75.95	Flow 10.8 Meter 480346.9	Yes No Yes No
1145	TW4-19	75.99	Flow 17.0 Meter 2189598.6	Yes No Yes No
* 0820	TW4-20	71.50	Flow 78.0 2.8 Meter 404191.21	Yes No Yes No
0933	TW4-4	88.70	Flow 14.0 Meter 704413.4	Yes No Yes No
0747	TWN-2	59.13	Flow 17.2 Meter 1307688.5	Yes No Yes No
0800	TW4-22	69.22	Flow 18.0 Meter 709786.7	Yes No Yes No
0755	TW4-24	76.66	Flow 16.4 Meter 1360302.44	Yes No Yes No
0741	TW4-25	72.96	Flow 11.6 Meter 502246.81	Yes No Yes No
* 0918	TW4-1	86.73	Flow 12.8 Meter 328154.7	Yes No Yes No
* 0855	TW4-2	82.14	Flow 16.6 Meter 387759.8	Yes No Yes No
* 0846	TW4-11	90.01	Flow 16.8 Meter 69136.8	Yes No Yes No
0735	TW4-21	80.39	Flow 16.6 Meter 2258304.50	Yes No Yes No
* 0815	TW4-37	72.81	Flow 18.0 Meter 1760617.2	Yes No Yes No
* 0825	TW4-39	71.77	Flow 18.0 Meter 657973.4	Yes No Yes No
0945	TW4-40	71.72	Flow 18.0 Meter 480968.91	Yes No Yes No
0925	TW4-41	88.18	Flow 6.0 Meter 285783.52	Yes No 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 6-15-20

Name Deon G. Lyman

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)	
				Yes	No
0945	MW-4	89.13	Flow 4.0 Meter 2572863.36	Yes	No
0920	MW-26	85.19	Flow 10.6 Meter 482844.4	Yes	No
1145	TW4-19	72.85	Flow 17.0 Meter 2201910.7	Yes	No
0908	TW4-20	90.03	Flow 2.4 Meter 413182.19	Yes	No
1008	TW4-4	88.75	Flow 14.8 Meter 705521.2	Yes	No
0800	TWN-2	59.42	Flow 16.8 Meter 1309268.8	Yes	No
0855	TW4-22	72.17	Flow 18.0 Meter 711529.5	Yes	No
0847	TW4-24	69.62	Flow 17.2 Meter 1364460.69	Yes	No
0753	TW4-25	78.80	Flow 11.4 Meter 508880.44	Yes	No
0950	TW4-1	103.28	Flow 11.8 Meter 328991.9	Yes	No
0938	TW4-2	105.30	Flow 17.0 Meter 388801.3	Yes	No
0932	TW4-11	90.84	Flow 16.8 Meter 69278.5	Yes	No
0747	TW4-21	70.11	Flow 16.4 Meter 2266113.83	Yes	No
0902	TW4-37	73.93	Flow 18.0 Meter 1765409.2	Yes	No
0914	TW4-39	69.25	Flow 18.0 Meter 659543.9	Yes	No
1020	TW4-40	71.77	Flow 18.0 Meter 487913.74	Yes	No
0959	TW4-41	84.15	Flow 4.8 Meter 287046.94	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 6-22-20

Name Deen Glyman, Tamar Holliday

System Operational (If no note any problems/corrective actions)

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0955	MW-4	85.06	Flow 4.4	Yes No
		85.06	Meter 2579723.23	Yes No
0932	MW-26	80.44	Flow 11.2	Yes No
			Meter 483755.3	Yes No
1145	TW4-19	72.83	Flow 17.0	Yes No
			Meter 2214209.4	Yes No
0920	TW4-20	68.17	Flow 2.8	Yes No
			Meter 421172.44	Yes No
1018	TW4-4	84.08	Flow 16.3	Yes No
			Meter 706766.7	Yes No
0818	TWN-2	59.80	Flow 16.4	Yes No
			Meter 1310845.7	Yes No
0908	TW4-22	76.14	Flow 18.0	Yes No
			Meter 713478.5	Yes No
0902	TW4-24	69.28	Flow 16.0	Yes No
			Meter 1368666.98	Yes No
0812	TW4-25	72.71	Flow 11.8	Yes No
			Meter 515387.38	Yes No
1005	TW4-1	106.36	Flow 12.0	Yes No
			Meter 329618.6	Yes No
0948	TW4-2	113.13	Flow 16.0	Yes No
			Meter 389974.2	Yes No
0940	TW4-11	90.82	Flow 16.5	Yes No
			Meter 69420.2	Yes No
0802	TW4-21	70.63	Flow 16.8	Yes No
			Meter 2274072.04	Yes No
0914	TW4-37	71.20	Flow 18.0	Yes No
			Meter 1770097.5	Yes No
0926	TW4-39	69.55	Flow 18.0	Yes No
			Meter 662206.8	Yes No
1026	TW4-40	76.85	Flow 18.0	Yes No
			Meter 494926.60	Yes No
1012	TW4-41	88.00	Flow 5.6	Yes No
			Meter 288320.04	Yes No

Operational Problems (Please list well number): _____

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 6-29-20

Name Dea Glynn Tanner Holliday

System Operational (if no note any problems/corrective actions)

Time	Well	Depth*	Comments	System Operational (if no note any problems/corrective actions)
1025	MW-4	91.28	Flow 4.0 Meter 2586428.35	Yes No Yes No
0955	MW-26	86.50	Flow 10.2 Meter 485458.8	Yes No Yes No
1410	TW4-19	72.45	Flow 17.0 Meter 2226606.1	Yes No Yes No
0940	TW4-20	93.73	Flow 3.6 Meter 428741.05	Yes No Yes No
1345	TW4-4	87.54	Flow 16.4 Meter 707803.9	Yes No Yes No
0913	TWN-2	59.01	Flow 16.0 Meter 1312600.5	Yes No Yes No
0926	TW4-22	68.49	Flow 18.0 Meter 715225.7	Yes No Yes No
0920	TW4-24	69.85	Flow 18.0 Meter 1372713.66	Yes No Yes No
0906	TW4-25	82.20	Flow 10.4 Meter 521277.29	Yes No Yes No
1330	TW4-1	106.66	Flow 13.5 Meter 330343.8	Yes No Yes No
1013	TW4-2	111.40	Flow 16.0 Meter 390925.0	Yes No Yes No
1005	TW4-11	91.40	Flow 16.0 Meter 69565.3	Yes No Yes No
0900	TW4-21	72.31	Flow 16.2 Meter 2281735.48	Yes No Yes No
0934	TW4-37	71.86	Flow 18.0 Meter 1774798.3	Yes No Yes No
0948	TW4-39	69.99	Flow 18.0 Meter 665933.5	Yes No Yes No
1355	TW4-40	71.77	Flow 18.0 Meter 502223.09	Yes No Yes No
1336	TW4-41	88.05	Flow 5.5 Meter 289636.19	Yes No Yes No

Operational Problems (Please list well number): _____

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

* Depth is measured to the nearest 0.01 feet.

Tab D

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

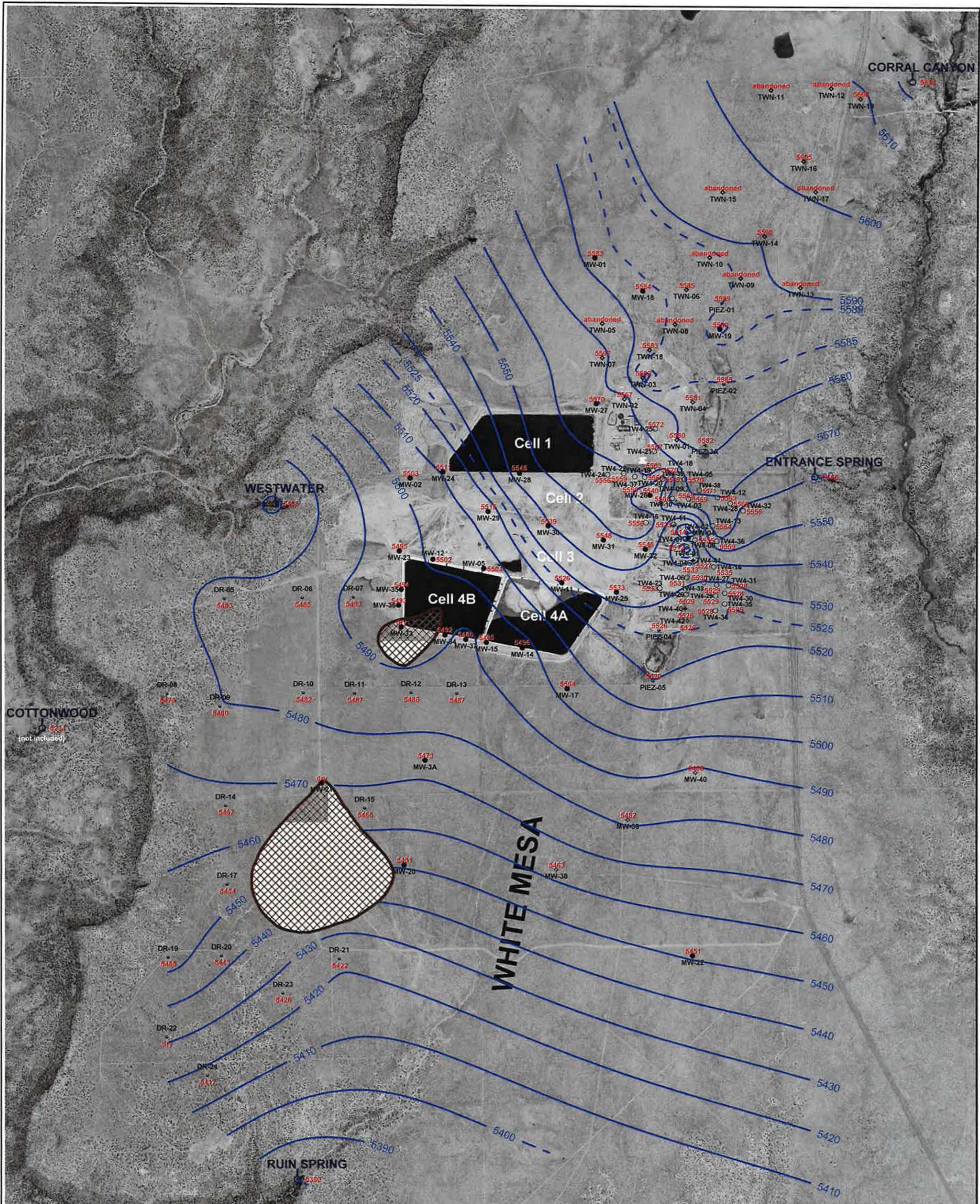
Name: Deen Lyman, Tanner Holliday

Date: 5/4/2020-5/5/2020

Date	Time	Well	Depth to Water (ft.)	Date	Time	Well	Depth to Water (ft.)	Date	Time	Well	Depth to Water (ft.)
5/5/2020	1224	MW-01	64.51	5/4/2020	921	MW-04	88.70	5/5/2020	1211	PIEZ-01	66.49
5/5/2020	1453	MW-02	109.77	5/4/2020	927	TW4-01	106.14	5/5/2020	1203	PIEZ-02	43.95
5/5/2020	1118	MW-03A	83.98	5/4/2020	916	TW4-02	110.21	5/5/2020	1429	PIEZ-03A	55.93
5/5/2020	958	MW-05	108.21	5/4/2020	1106	TW4-03	63.31	5/5/2020	1044	PIEZ-04	65.71
5/5/2020	1040	MW-11	85.25	5/4/2020	944	TW4-04	80.33	5/5/2020	1049	PIEZ-05	64.44
5/5/2020	1001	MW-12	107.15	5/4/2020	1115	TW4-05	70.55	5/5/2020	1445	TWN-01	67.85
5/5/2020	1030	MW-14	102.28	5/4/2020	1055	TW4-06	78.02	5/5/2020	815	TWN-02	59.80
5/5/2020	1026	MW-15	105.31	5/4/2020	1058	TW4-07	82.78	5/5/2020	1435	TWN-03	42.72
5/5/2020	1100	MW-17	71.59	5/4/2020	1102	TW4-08	86.15	5/5/2020	1418	TWN-04	60.88
5/5/2020	1219	MW-18	73.26	5/4/2020	1113	TW4-09	68.55	5/5/2020	1215	TWN-06	79.67
5/5/2020	1207	MW-19	64.63	5/4/2020	1119	TW4-10	67.97	5/5/2020	1228	TWN-07	82.12
5/5/2020	1310	MW-20	89.71	5/4/2020	910	TW4-11	90.60	5/5/2020	1240	TWN-14	59.36
5/5/2020	1305	MW-22	66.49	5/4/2020	1038	TW4-12	54.78	5/5/2020	1236	TWN-16	47.40
5/5/2020	1459	MW-23	117.15	5/4/2020	1035	TW4-13	56.12	5/5/2020	1414	TWN-18	62.11
5/5/2020	1405	MW-24A	112.03	5/4/2020	1028	TW4-14	77.65	5/5/2020	1300	TWN-19	53.79
5/5/2020	1405	MW-24	110.94	5/4/2020	1123	TW4-16	72.40	5/5/2020	1338	DR-05	82.77
5/5/2020	1035	MW-25	79.63	5/4/2020	1130	TW4-18	71.60	5/5/2020	1334	DR-06	94.23
5/5/2020	848	MW-26	85.63	5/4/2020	1010	TW4-19	68.18	5/5/2020	1005	DR-07	91.34
5/5/2020	1409	MW-27	57.17	5/4/2020	838	TW4-20	69.90	5/5/2020	1349	DR-08	51.52
5/5/2020	1352	MW-28	74.70	5/4/2020	804	TW4-21	72.12	5/5/2020	1345	DR-09	86.43
5/5/2020	1130	MW-29	107.75	5/4/2020	828	TW4-22	70.23	5/5/2020	1329	DR-10	78.25
5/5/2020	1524	MW-30	75.23	5/4/2020	1052	TW4-23	74.61	5/5/2020	1113	DR-11	98.41
5/5/2020	1519	MW-31	68.48	5/4/2020	821	TW4-24	69.51	5/5/2020	1109	DR-12	91.56
5/5/2020	1515	MW-32	80.25	5/4/2020	809	TW4-25	72.45	5/5/2020	1104	DR-13	69.20
5/5/2020	1011	MW-33	DRY	5/4/2020	1048	TW4-26	72.60	5/5/2020	1355	DR-14	75.75
5/5/2020	1017	MW-34	107.61	5/4/2020	900	TW4-27	78.97	5/5/2020	1324	DR-15	92.36
5/5/2020	1503	MW-35	112.38	5/4/2020	1041	TW4-28	47.99	5/5/2020	1359	DR-17	64.78
5/5/2020	1506	MW-36	110.60	5/4/2020	1025	TW4-29	77.53	5/5/2020	1403	DR-19	63.20
5/5/2020	1021	MW-37	113.55	5/4/2020	1015	TW4-30	75.08	5/5/2020	1420	DR-20	55.51
5/5/2020	1319	MW-38	70.03	5/4/2020	904	TW4-31	76.57	5/5/2020	1425	DR-21	100.16
5/5/2020	1315	MW-39	64.88	5/4/2020	1044	TW4-32	55.55	5/5/2020	1408	DR-22	DRY
5/5/2020	1055	MW-40	80.15	5/4/2020	857	TW4-33	77.05	5/5/2020	1430	DR-23	70.38
				5/4/2020	1022	TW4-34	75.72	5/5/2020	1412	DR-24	44.00
				5/4/2020	1018	TW4-35	75.07				
				5/4/2020	1032	TW4-36	57.65				
				5/4/2020	834	TW4-37	76.17				
				5/4/2020	1110	TW4-38	58.79				
				5/4/2020	843	TW4-39	85.05				
				5/4/2020	952	TW4-40	71.77				
				5/4/2020	937	TW4-41	88.02				
				5/4/2020	853	TW4-42	68.60				

MW-26 = TW4-15

Comments: MW-32 = TW4-17

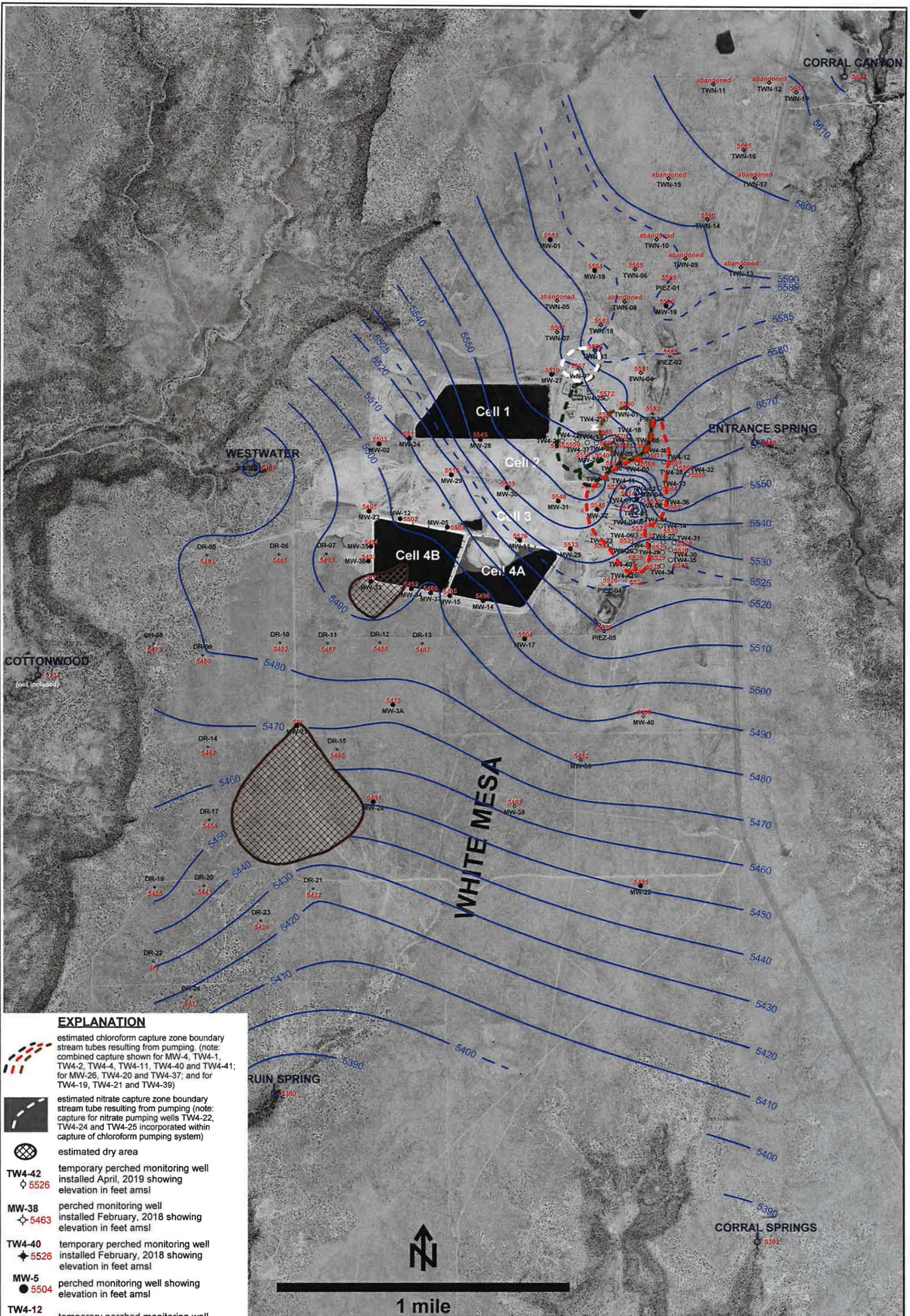


- EXPLANATION**
-  estimated dry area
 -  TW4-42 temporary perched monitoring well installed April, 2019 showing elevation in feet amsl
 -  MW-38 perched monitoring well installed February, 2018 showing elevation in feet amsl
 -  TW4-40 temporary perched monitoring well installed February, 2018 showing elevation in feet amsl
 -  MW-5 perched monitoring well showing elevation in feet amsl
 -  TW4-12 temporary perched monitoring well showing elevation in feet amsl
 -  TWN-7 temporary perched nitrate monitoring well showing elevation in feet amsl
 -  PIEZ-1 perched piezometer showing elevation in feet amsl
 -  RUIN SPRING seep or spring showing elevation in feet amsl

1 mile

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 are chloroform pumping wells; TW4-22, TW4-24, TW4-25 and TWN-2 are nitrate pumping wells; TW4-1, TW4-2 and TW4-11 water levels are below the base of the Burro Canyon Formation

 <p>HYDRO GEO CHEM, INC.</p>	KRIGED 2nd QUARTER, 2020 WATER LEVELS WHITE MESA SITE		
	APPROVED	DATE	REFERENCE
		H:\718000\aug20\WL\UwI0620.srf	D-1



EXPLANATION

-  estimated chloroform capture zone boundary stream tubes resulting from pumping. (note: combined capture shown for MW-4, TW4-1, TW4-2, TW4-4, TW4-11, TW4-40 and TW4-41; for MW-26, TW4-20 and TW4-37; and for TW4-19, TW4-21 and TW4-39)
-  estimated nitrate capture zone boundary stream tube resulting from pumping (note: capture for nitrate pumping wells TW4-22, TW4-24 and TW4-25 incorporated within capture of chloroform pumping system)
-  estimated dry area
- TW4-42**
 temporary perched monitoring well installed April, 2019 showing elevation in feet amsl
- MW-38**
 perched monitoring well installed February, 2018 showing elevation in feet amsl
- TW4-40**
 temporary perched monitoring well installed February, 2018 showing elevation in feet amsl
- MW-5**
 perched monitoring well showing elevation in feet amsl
- TW4-12**
 temporary perched monitoring well showing elevation in feet amsl
- TWN-7**
 temporary perched nitrate monitoring well showing elevation in feet amsl
- PIEZ-1**
 perched piezometer showing elevation in feet amsl
- RUIN SPRING**
 seep or spring showing elevation in feet amsl

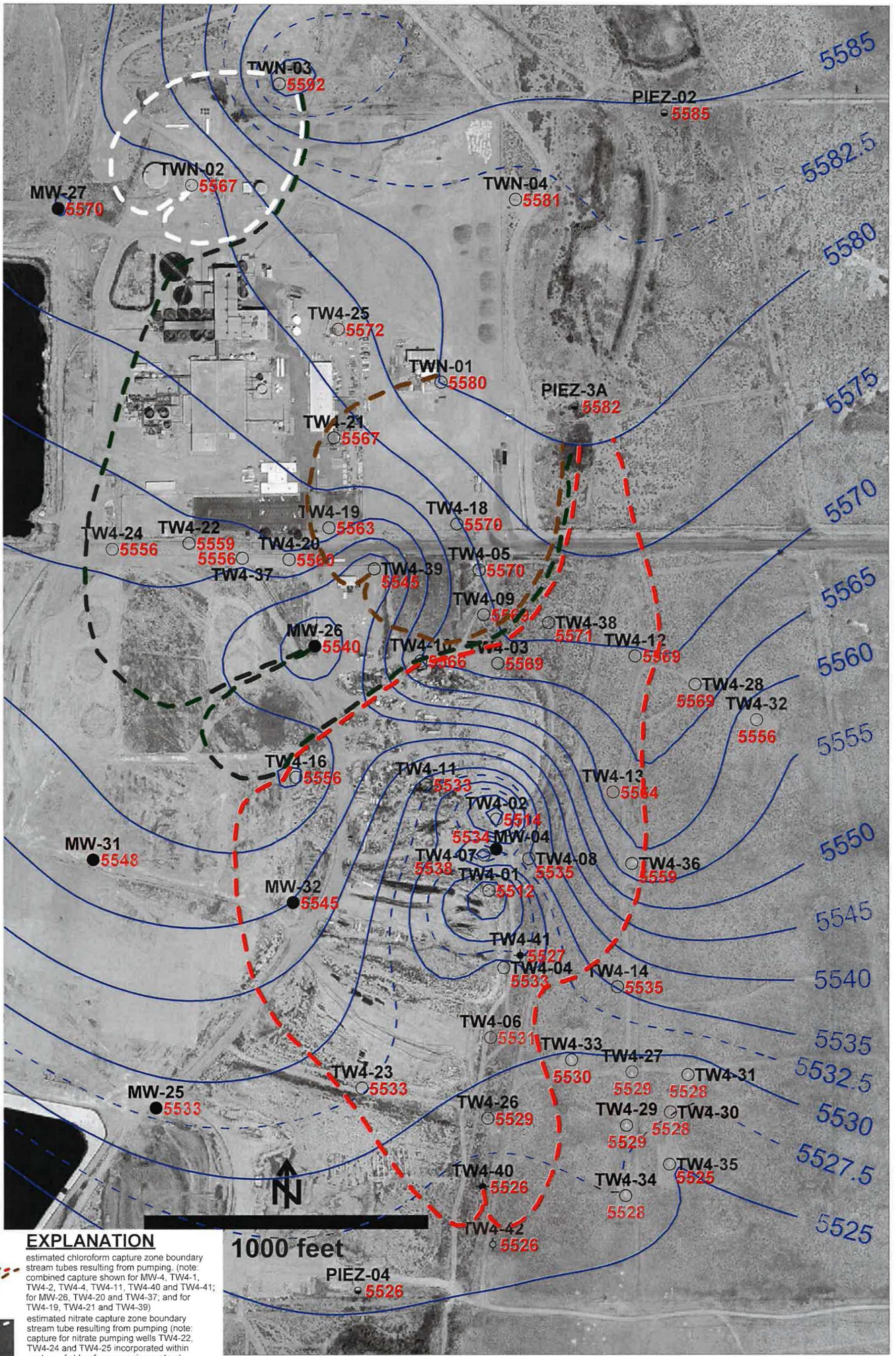
NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 are chloroform pumping wells; TW4-22, TW4-24, TW4-25 and TWN-2 are nitrate pumping wells; TW4-1, TW4-2 and TW4-11 water levels are below the base of the Burro Canyon Formation



**HYDRO
GEO
CHEM, INC.**

**KRIGED 2nd QUARTER, 2020 WATER LEVELS
AND ESTIMATED CAPTURE ZONES
WHITE MESA SITE**

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/aug20/WL/Uwl0620cz2.srf	D-2



EXPLANATION

- estimated chloroform capture zone boundary stream tubes resulting from pumping (note: combined capture shown for MW-4, TW4-1, TW4-2, TW4-4, TW4-11, TW4-40 and TW4-41; for MW-26, TW4-20 and TW4-37; and for TW4-19, TW4-21 and TW4-39)
- estimated nitrate capture zone boundary stream tube resulting from pumping (note: capture for nitrate pumping wells TW4-22, TW4-24 and TW4-25 incorporated within capture of chloroform pumping system)
- TW4-42 temporary perched monitoring well installed April, 2019 showing elevation in feet amsl
- TW4-40 temporary perched monitoring well installed February, 2018 showing elevation in feet amsl
- MW-25 perched monitoring well showing elevation in feet amsl
- TW4-7 temporary perched monitoring well showing elevation in feet amsl
- PIEZ-2 perched piezometer showing elevation in feet amsl

1000 feet

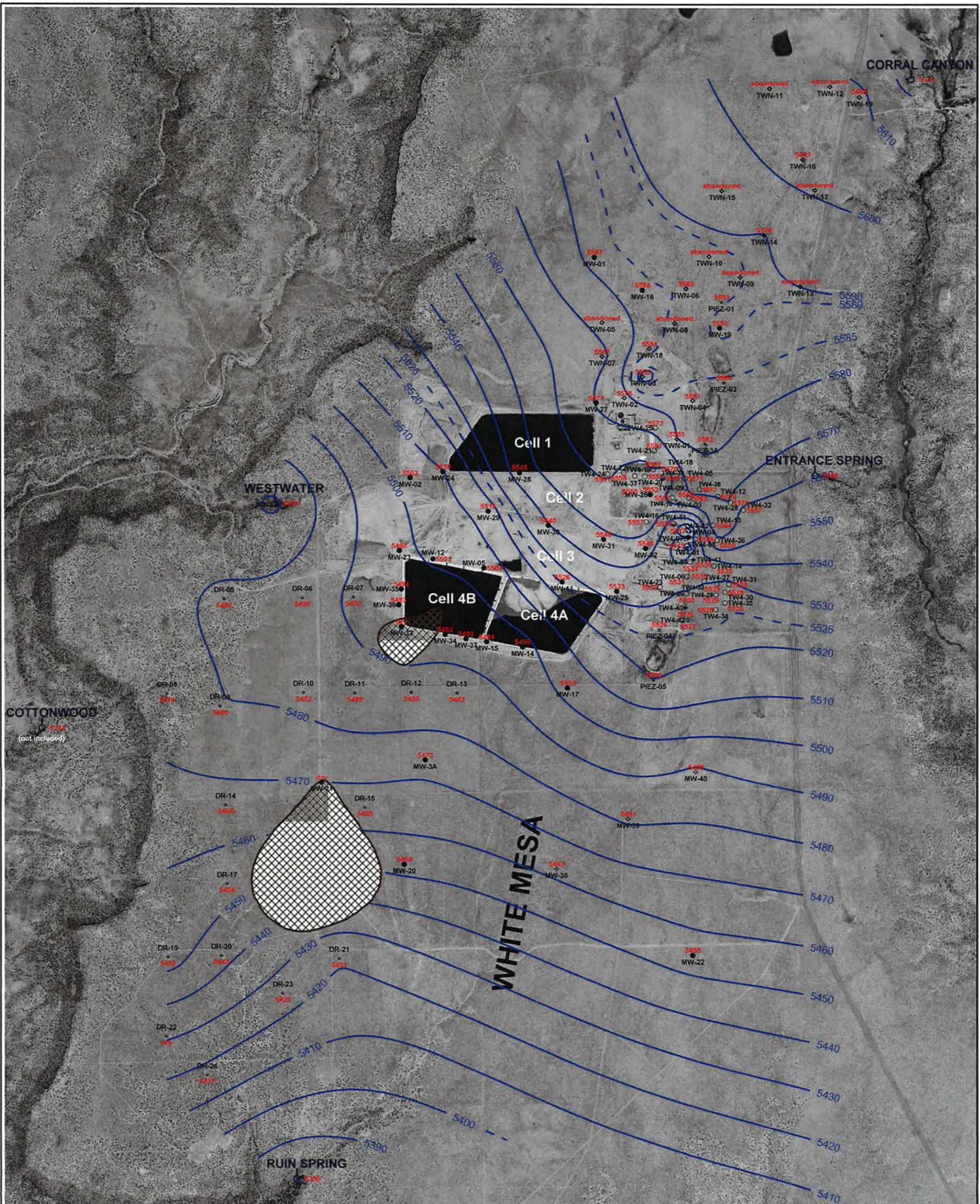
NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 are chloroform pumping wells; TW4-22, TW4-24, TW4-25 and TWN-2 are nitrate pumping wells; TW4-1, TW4-2 and TW4-11 water levels are below the base of the Burro Canyon Formation

**HYDRO
GEO
CHEM, INC.**

KRIGED 2nd QUARTER, 2020 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE (detail map)			
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/aug20/WL/Uwl0620cz.srf	D-3

Tab E

Kriged Previous Quarter Groundwater Contour Map



- EXPLANATION**
-  estimated dry area
 - TW4-42**
 5527 temporary perched monitoring well installed April, 2019 showing elevation in feet amsl
 - MW-38**
 5463 perched monitoring well installed February, 2018 showing elevation in feet amsl
 - TW4-40**
 5526 temporary perched monitoring well installed February, 2018 showing elevation in feet amsl
 - MW-5**
 5504 perched monitoring well showing elevation in feet amsl
 - TW4-12**
 5570 temporary perched monitoring well showing elevation in feet amsl
 - TWN-7**
 5567 temporary perched nitrate monitoring well showing elevation in feet amsl
 - PIEZ-1**
 5589 perched piezometer showing elevation in feet amsl
 - RUIN SPRING**
 5380 seep or spring showing elevation in feet amsl


 1 mile

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 are chloroform pumping wells; TW4-22, TW4-24, TW4-25 and TWN-2 are nitrate pumping wells; TW4-1, TW4-2 and TW4-11 water levels are below the base of the Burro Canyon Formation

	HYDRO GEO CHEM, INC.		KRIGED 1st QUARTER, 2020 WATER LEVELS WHITE MESA SITE	
	APPROVED	DATE	REFERENCE	FIGURE
			H:/718000/may20/WL/UwI0320.srf	E-1

Tab F

Depths to Groundwater and Elevations and Hydrographs of Groundwater 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**

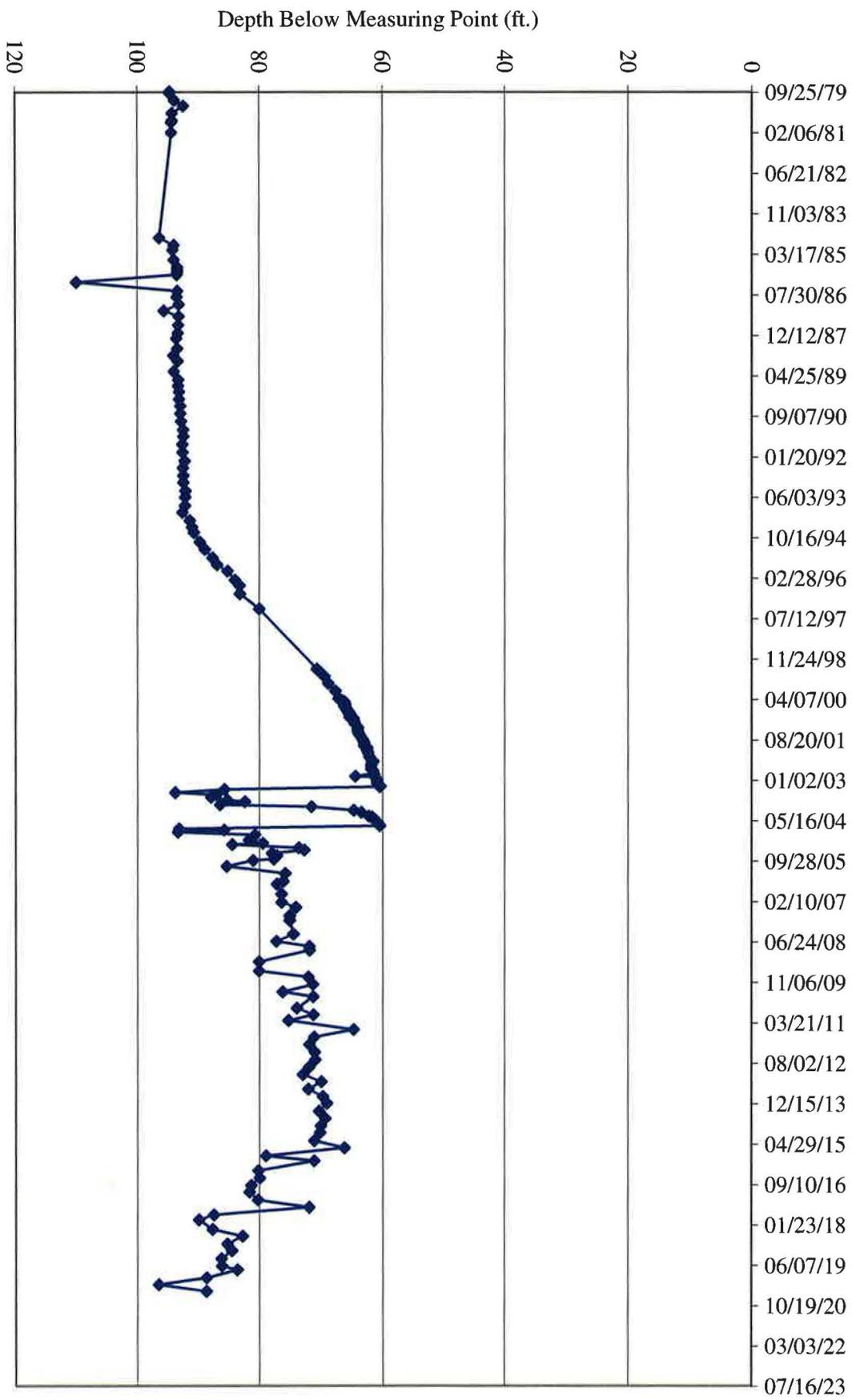
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,556.89				10/12/00	65.44	63.88	
5,556.98				10/19/00	65.35	63.79	
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	
5,556.02				06/22/15	66.31	64.75	
5,543.38				09/30/15	78.95	77.39	
5,551.13				12/02/15	71.20	69.64	
5,542.10				03/30/16	80.23	78.67	
5,542.31				06/30/16	80.02	78.46	
5,540.96				09/29/16	81.37	79.81	
5,540.65				12/21/16	81.68	80.12	
5,542.05				03/30/17	80.28	78.72	
5,550.28				06/27/17	72.05	70.49	
5,534.84				09/28/17	87.49	85.93	
5,532.41				11/30/17	89.92	88.36	
5,534.64				03/28/18	87.69	86.13	
5,539.53				06/22/18	82.80	81.24	
5,537.04				09/24/18	85.29	83.73	
5,537.82				12/17/18	84.51	82.95	
5,536.10				03/25/19	86.23	84.67	
5,536.20				06/24/19	86.13	84.57	
5,538.67				08/12/19	83.66	82.10	
5,533.67				11/18/19	88.66	87.10	
5,525.79				02/10/20	96.54	94.98	
5,533.63				05/04/20	88.70	87.14	



MW 4 Water Depth Over Time (ft. blmp)

**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				111.30
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				111.30
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	

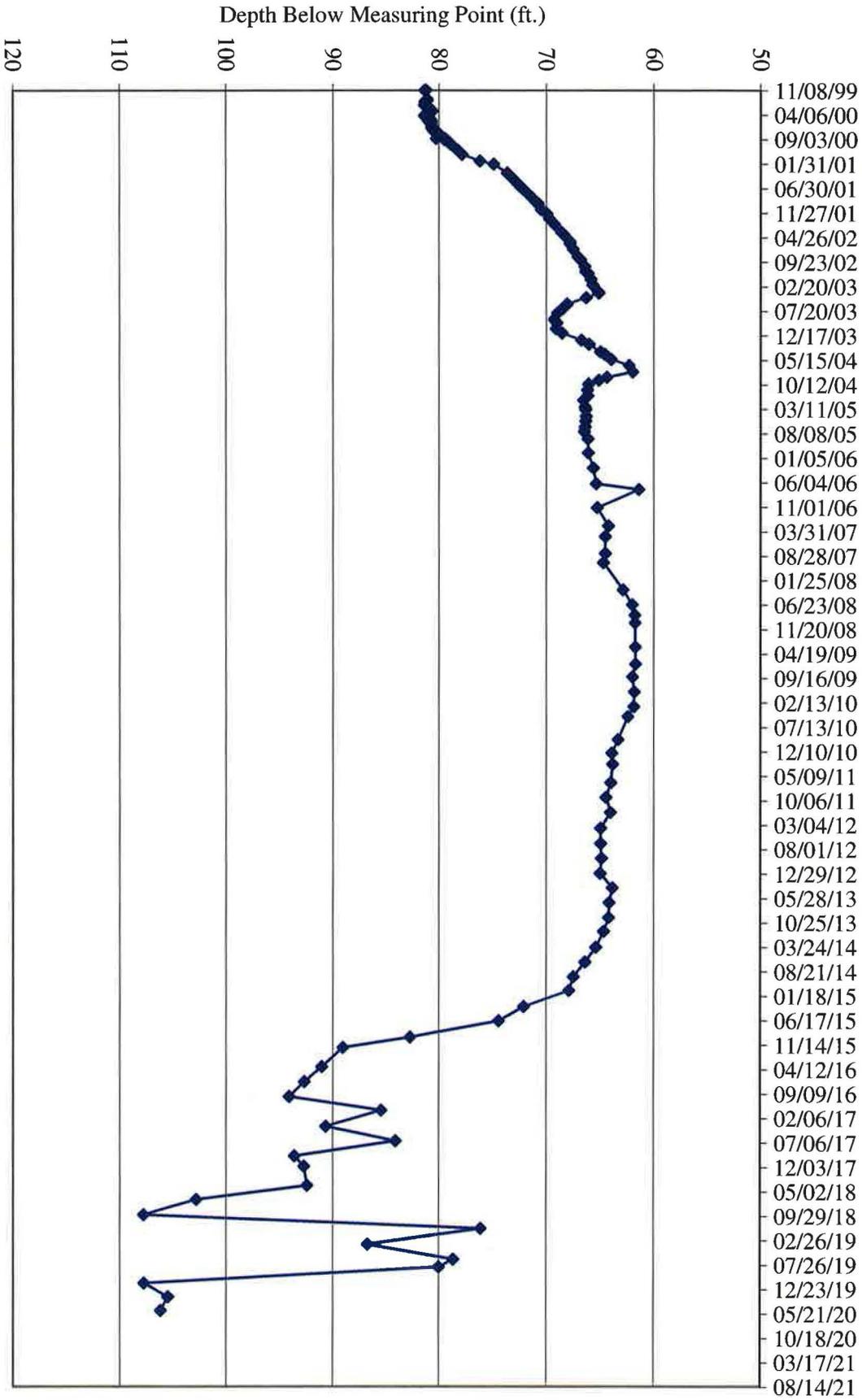
**Water Levels and Data over Time
White Mesa Mill - Well TW4-1**

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				111.30
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				111.30
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	
5,544.18				06/22/15	74.40	73.38	
5,535.85				09/30/15	82.73	81.71	
5,529.54				12/02/15	89.04	88.02	
5,527.55				03/30/16	91.03	90.01	
5,525.92				06/30/16	92.66	91.64	
5,524.48				09/29/16	94.10	93.08	
5,533.15				12/21/16	85.43	84.41	
5,527.92				03/30/17	90.66	89.64	
5,534.48				06/27/17	84.10	83.08	
5,524.98				09/28/17	93.60	92.58	
5,525.88				11/30/17	92.70	91.68	
5,526.18				03/28/18	92.40	91.38	
5,515.78				06/22/18	102.80	101.78	
5,510.83				09/24/18	107.75	106.73	
5,542.47				12/17/18	76.11	75.09	
5,531.82				03/25/19	86.76	85.74	
5,539.90				06/24/19	78.68	77.66	
5,538.56				08/12/19	80.02	79.00	
5,510.85				11/18/19	107.73	106.71	
5,513.12				02/10/20	105.46	104.44	
5,512.44				05/04/20	106.14	105.12	

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



**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				120.900
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				120.900
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	

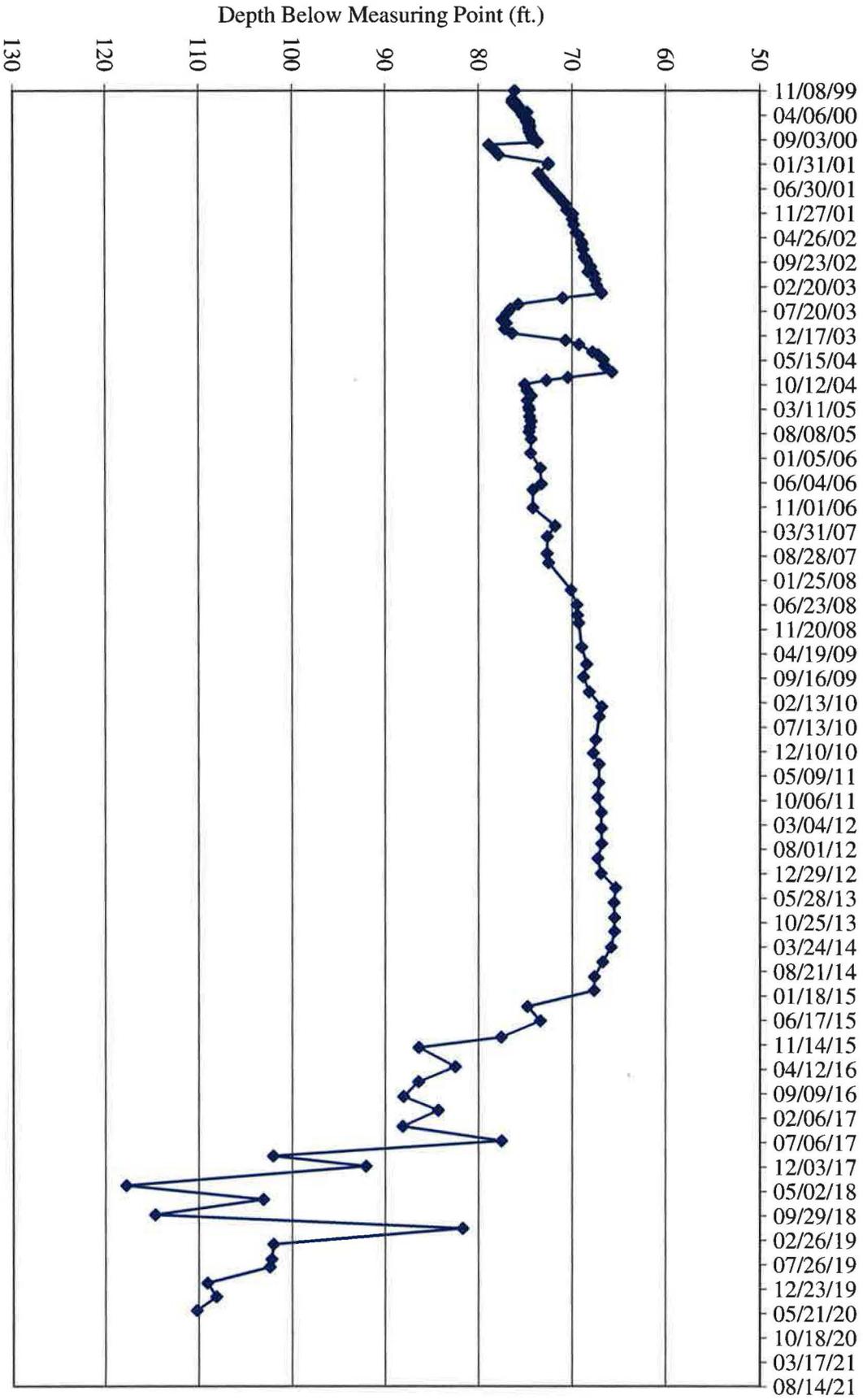
**Water Levels and Data over Time
White Mesa Mill - Well TW4-2**

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				120.900
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	73.30	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	72.70	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	66.90	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				120.900
5,558.92				03/27/14	65.80	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	
5,551.30				06/22/15	73.42	71.80	
5,547.12				09/30/15	77.60	75.98	
5,538.34				12/02/15	86.38	84.76	
5,542.22				03/30/16	82.50	80.88	
5,538.31				06/30/16	86.41	84.79	
5,536.70				09/29/16	88.02	86.40	
5,540.40				12/21/16	84.32	82.70	
5,536.61				03/30/17	88.11	86.49	
5,547.16				06/27/17	77.56	75.94	
5,522.65				09/28/17	102.07	100.45	
5,532.64				11/30/17	92.08	90.46	
5,506.94				03/28/18	117.78	116.16	
5,521.60				06/22/18	103.12	101.50	
5,510.01				09/24/18	114.71	113.09	
5,543.01				12/17/18	81.71	80.09	
5,522.70				03/25/19	102.02	100.40	
5,522.49				06/24/19	102.23	100.61	
5,522.29				08/12/19	102.43	100.81	
5,515.62				11/18/19	109.10	107.48	
5,516.60				02/10/20	108.12	106.5	
5,514.51				05/04/20	110.21	108.59	

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



**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				140.30
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	63.30	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				140.30
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	

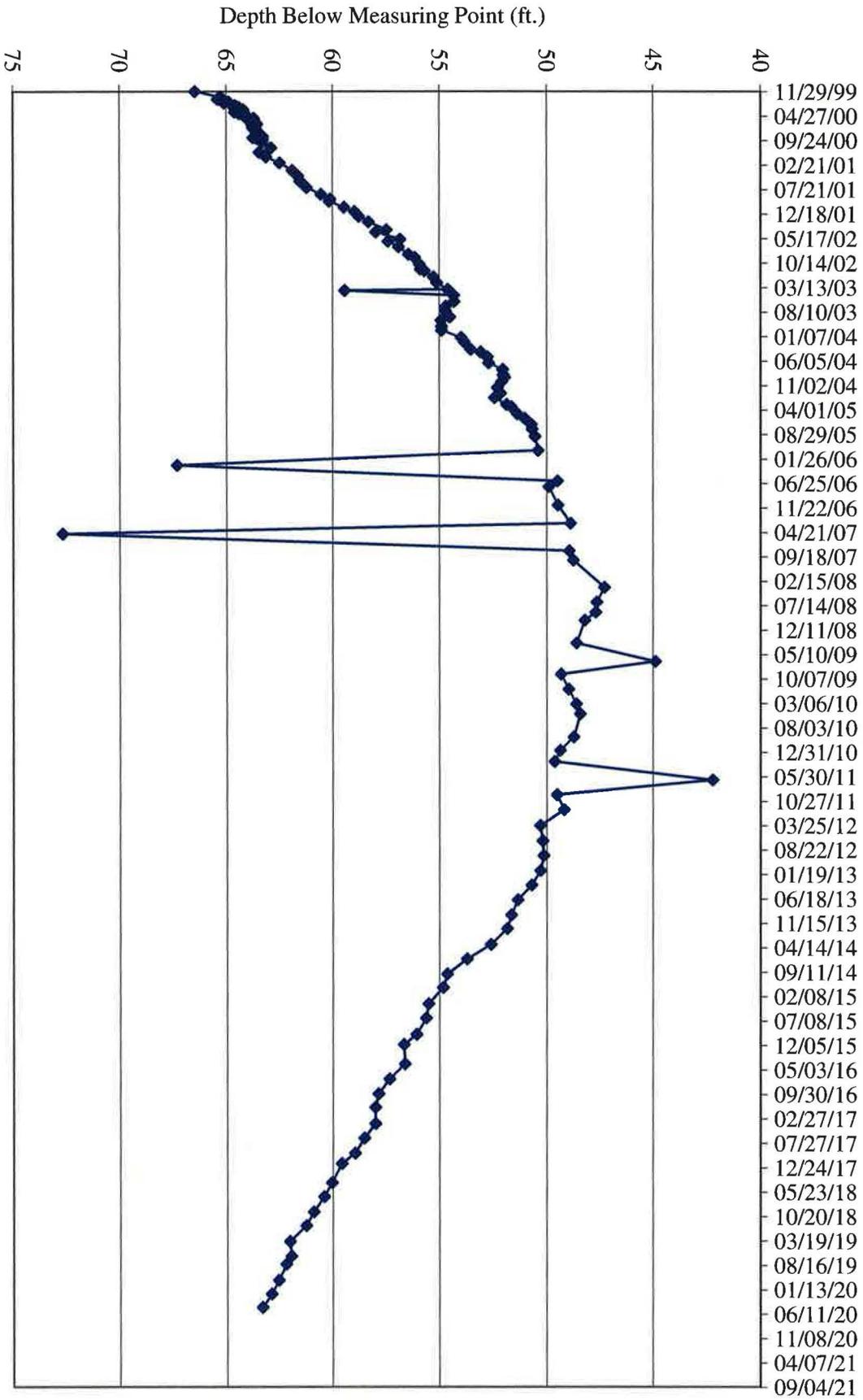
**Water Levels and Data over Time
White Mesa Mill - Well TW4-3**

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				140.30
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	50.40	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	
5,583.35				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	48.20	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	48.60	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				140.30
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	
5,576.62				06/22/15	55.61	54.59	
5,576.16				09/30/15	56.07	55.05	
5,575.57				12/02/15	56.66	55.64	
5,575.62				03/30/16	56.61	55.59	
5,574.89				06/30/16	57.34	56.32	
5,574.37				09/29/16	57.86	56.84	
5,574.23				12/21/16	58.00	56.98	
5,574.23				03/30/17	58.00	56.98	
5,573.72				06/27/17	58.51	57.49	
5,573.28				09/28/17	58.95	57.93	
5,572.66				11/30/17	59.57	58.55	
5,572.19				03/28/18	60.04	59.02	
5,571.83				06/22/18	60.40	59.38	
5,571.34				09/25/18	60.89	59.87	
5,570.99				12/17/18	61.24	60.22	
5,570.21				03/25/19	62.02	61.00	
5,570.28				06/24/19	61.95	60.93	
5,570.04				08/12/19	62.19	61.17	
5,569.68				11/18/19	62.55	61.53	
5,569.35				02/10/20	62.88	61.86	
5,568.92				05/04/20	63.31	62.29	

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



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
5,512.15				05/25/00	101.34	100.16	
5,518.99				06/09/00	94.50	93.32	
5,512.15				06/16/00	101.34	100.16	
5,517.47				06/26/00	96.02	94.84	
5,520.15				07/06/00	93.34	92.16	
5,521.44				07/13/00	92.05	90.87	
5,522.01				07/18/00	91.48	90.30	
5,522.95				07/27/00	90.54	89.36	
5,523.49				08/02/00	90.00	88.82	
5,523.85				08/09/00	89.64	88.46	
5,523.89				08/15/00	89.60	88.42	
5,524.56				09/01/00	88.93	87.75	
5,513.24				09/08/00	100.25	99.07	
5,516.67				09/13/00	96.82	95.64	
5,519.09				09/20/00	94.40	93.22	
5,522.17				10/05/00	91.32	90.14	
5,524.67				11/09/00	88.82	87.64	
5,518.55				12/06/00	94.94	93.76	
5,527.70				01/03/01	85.79	84.61	
5,529.09				02/09/01	84.40	83.22	
5,529.54				03/27/01	83.95	82.77	
5,530.24				04/30/01	83.25	82.07	
5,530.27				05/31/01	83.22	82.04	
5,534.41				06/22/01	79.08	77.90	
5,533.15				07/10/01	80.34	79.16	
5,534.04				08/20/01	79.45	78.27	
5,534.47				09/19/01	79.02	77.84	
5,533.29				10/02/01	80.20	79.02	
5,533.87				11/08/01	79.62	78.44	
5,534.28				12/03/01	79.21	78.03	
5,534.72				01/03/02	78.77	77.59	
5,535.44				02/06/02	78.05	76.87	
5,536.45				03/26/02	77.04	75.86	
5,536.41				04/09/02	77.08	75.90	
5,537.34				05/23/02	76.15	74.97	
5,537.33				06/05/02	76.16	74.98	
5,537.98				07/08/02	75.51	74.33	
5,538.83				08/23/02	74.66	73.48	
5,539.28				09/11/02	74.21	73.03	
5,539.77				10/23/02	73.72	72.54	
5,540.21				11/22/02	73.28	72.10	
5,540.30				12/03/02	73.19	72.01	
5,540.80				01/09/03	72.69	71.51	

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

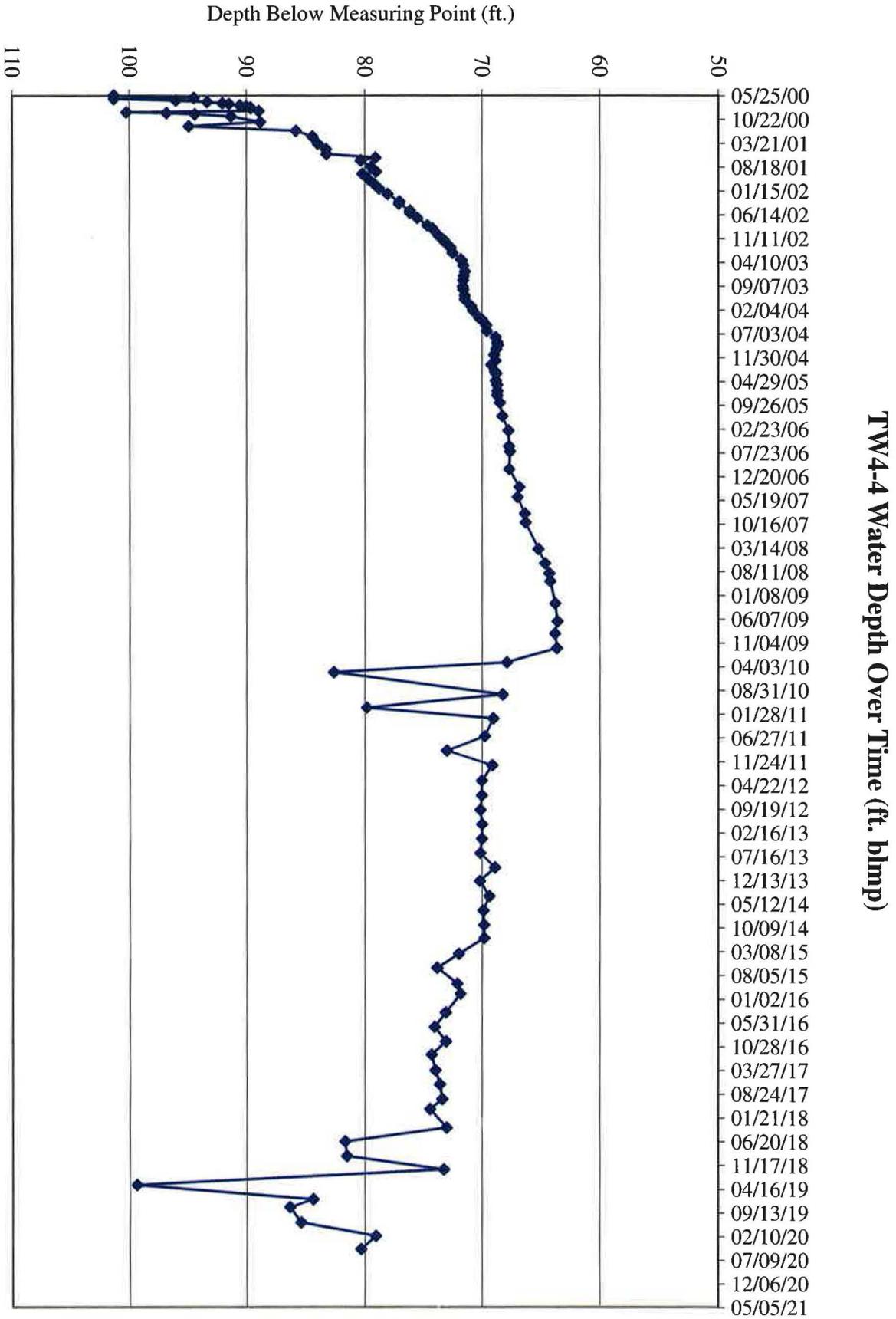
Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,612.301	5,613.485	1.184				114.5
5,540.99				02/12/03	72.50	71.32	
5,541.68				03/26/03	71.81	70.63	
5,541.77				04/02/03	71.72	70.54	
5,541.89				05/01/03	71.60	70.42	
5,542.03				06/09/03	71.46	70.28	
5,541.93				07/07/03	71.56	70.38	
5,541.89				08/04/03	71.60	70.42	
5,541.83				09/11/03	71.66	70.48	
5,541.89				10/02/03	71.60	70.42	
5,542.00				11/07/03	71.49	70.31	
5,542.01				12/03/03	71.48	70.30	
5,542.56				01/15/04	70.93	69.75	
5,542.71				02/10/04	70.78	69.60	
5,543.23				03/28/04	70.26	69.08	
5,543.56				04/12/04	69.93	68.75	
5,543.87				05/13/04	69.62	68.44	
5,543.92				06/18/04	69.57	68.39	
5,544.66				07/28/04	68.83	67.65	
5,544.80				08/30/04	68.69	67.51	
5,544.85				09/16/04	68.64	67.46	
5,544.71				10/11/04	68.78	67.60	
5,544.53				11/16/04	68.96	67.78	
5,544.63				12/22/04	68.86	67.68	
5,544.31				01/18/05	69.18	68.00	
5,544.59				02/28/05	68.90	67.72	
5,544.69				03/15/05	68.80	67.62	
5,544.68				04/26/05	68.81	67.63	
5,544.79				05/24/05	68.70	67.52	
5,544.80				06/30/05	68.69	67.51	
5,544.78				07/29/05	68.71	67.53	
5,545.01				09/12/05	68.48	67.30	
5,545.23				12/07/05	68.26	67.08	
5,545.74				03/08/06	67.75	66.57	
5,545.79				06/14/06	67.70	66.52	
5,545.86				07/18/06	67.63	66.45	
5,545.81				11/07/06	67.68	66.50	
5,546.68				02/27/07	66.81	65.63	
5,546.54				05/02/07	66.95	65.77	
5,547.16				08/15/07	66.33	65.15	
5,547.22				10/10/07	66.27	65.09	
5,548.31				03/26/08	65.18	64.00	
5,548.87				06/24/08	64.62	63.44	
5,549.24				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
5,549.31				10/14/08	64.18	63.00	
5,549.73				03/03/09	63.76	62.58	
5,549.91				06/24/09	63.58	62.40	
5,549.70				09/10/09	63.79	62.61	
5,549.87				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	
5,539.67				06/22/15	73.82	72.64	
5,541.35				09/30/15	72.14	70.96	
5,541.63				12/02/15	71.86	70.68	
5,540.38				03/30/16	73.11	71.93	
5,539.46				06/30/16	74.03	72.85	
5,540.39				09/29/16	73.10	71.92	
5,539.21				12/21/16	74.28	73.10	
5,539.53				03/30/17	73.96	72.78	
5,539.89				06/27/17	73.60	72.42	
5,540.09				09/28/17	73.40	72.22	
5,539.07				11/30/17	74.42	73.24	
5,540.45				03/28/18	73.04	71.86	
5,531.79				06/22/18	81.70	80.52	
5,531.94				09/24/18	81.55	80.37	
5,540.22				12/17/18	73.27	72.09	
5,514.10				03/25/19	99.39	98.21	
5,529.11				06/24/19	84.38	83.20	

**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
5,527.15				08/12/19	86.34	85.16	
5,528.08				11/18/19	85.41	84.23	
5,534.40				02/10/20	79.09	77.91	
5,533.16				05/04/20	80.33	79.15	



**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				121.85
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	
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	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-5**

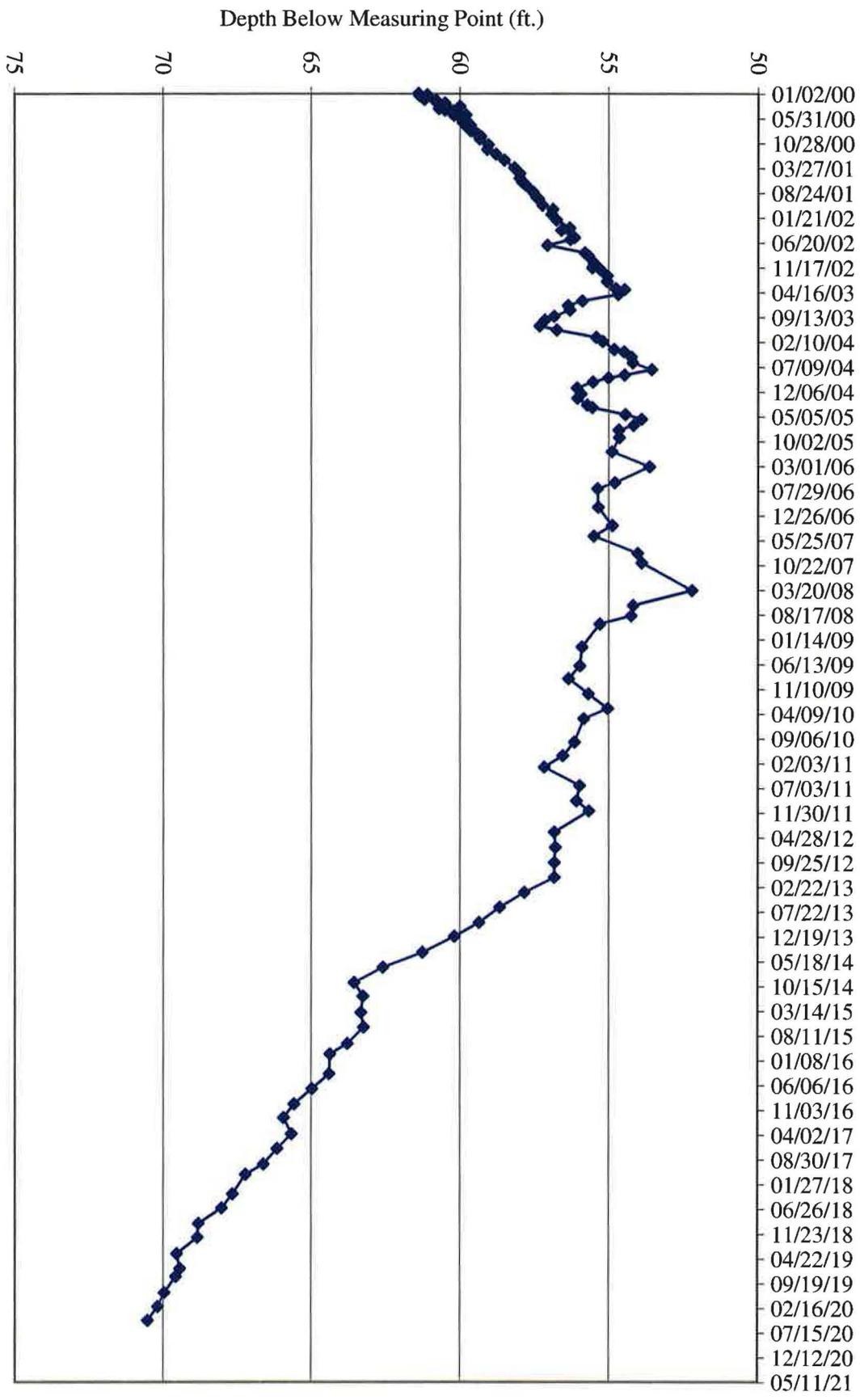
Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.75	5,640.70	1.95				121.85
5,583.28				09/19/01	57.42	55.47	
5,583.36				10/02/01	57.34	55.39	
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	
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	

**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				121.85
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	
5,585.81				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	55.30	53.35	
5,584.80				03/03/09	55.90	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	
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	
5,577.46				06/22/15	63.24	61.29	
5,576.92				09/30/15	63.78	61.83	
5,576.33				12/02/15	64.37	62.42	
5,576.30				03/30/16	64.40	62.45	
5,575.72				06/30/16	64.98	63.03	
5,575.12				09/29/16	65.58	63.63	

**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				121.85
5,574.77				12/21/16	65.93	63.98	
5,575.03				03/30/17	65.67	63.72	
5,574.55				06/27/17	66.15	64.20	
5,574.09				09/28/17	66.61	64.66	
5,573.48				11/30/17	67.22	65.27	
5,573.05				03/28/18	67.65	65.70	
5,572.68				06/22/18	68.02	66.07	
5,571.89				09/24/18	68.81	66.86	
5,571.86				12/17/18	68.84	66.89	
5,571.15				03/25/19	69.55	67.60	
5,571.26				06/24/19	69.44	67.49	
5,571.12				08/12/19	69.58	67.63	
5,570.73				11/18/19	69.97	68.02	
5,570.50				02/10/20	70.20	68.25	
5,570.15				05/04/20	70.55	68.60	



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

Water Levels and Data over Time
White Mesa Mill - Well TW4-6

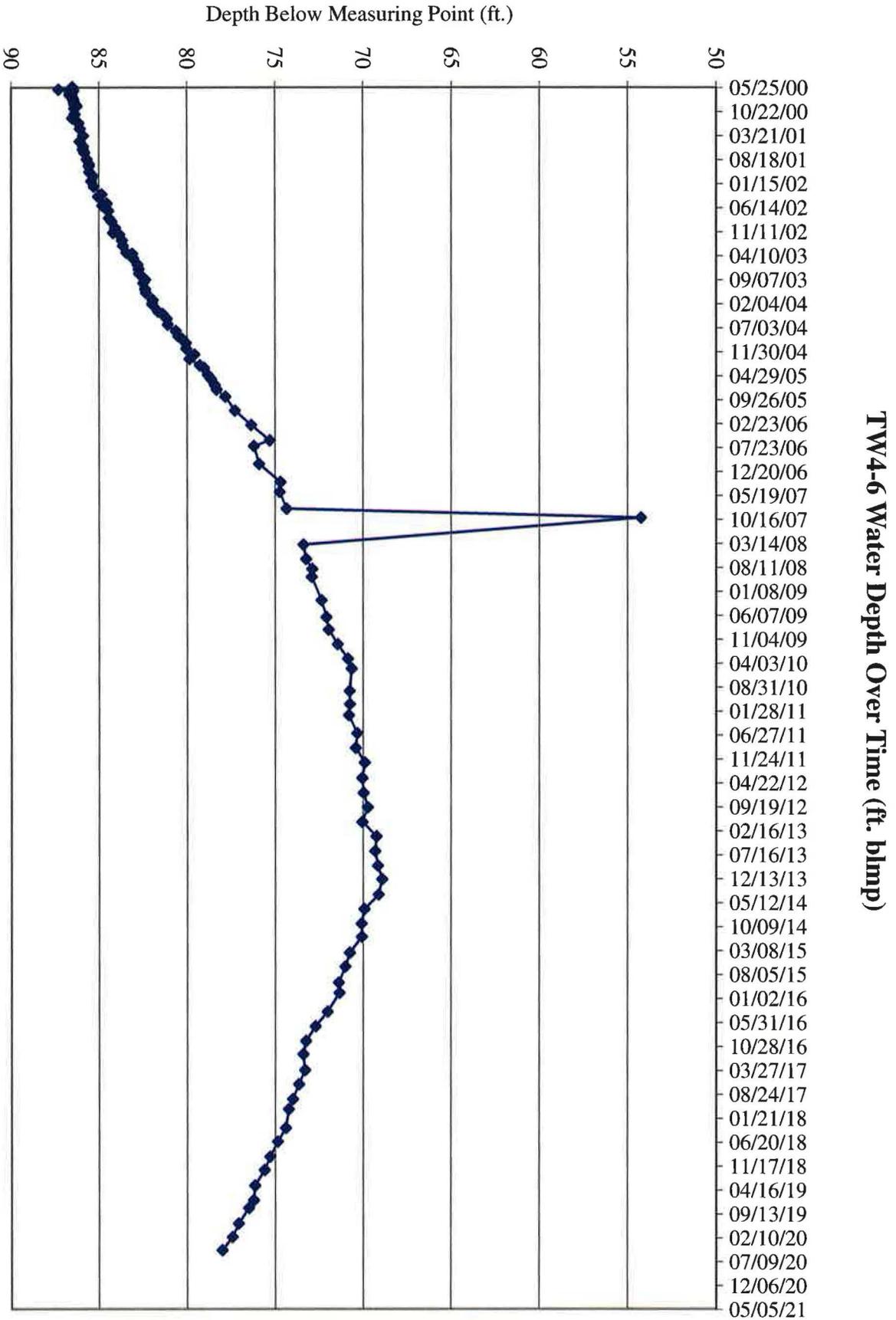
Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,607.33	5,608.78	1.450				99.60
5,522.28				05/25/00	86.50	85.05	
5,521.51				06/09/00	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	
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	

**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				99.60
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	
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	

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				99.60
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	70.80	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	
5,537.78				06/22/15	71.00	69.55	
5,537.40				09/30/15	71.38	69.93	
5,537.44				12/02/15	71.34	69.89	
5,536.76				03/30/16	72.02	70.57	
5,536.08				06/30/16	72.70	71.25	
5,535.54				09/29/16	73.24	71.79	
5,535.38				12/21/16	73.40	71.95	
5,535.48				03/30/17	73.30	71.85	
5,535.13				06/27/17	73.65	72.20	
5,534.78				09/28/17	74.00	72.55	
5,534.54				11/30/17	74.24	72.79	
5,534.38				03/28/18	74.40	72.95	
5,533.92				06/22/18	74.86	73.41	
5,533.49				09/25/18	75.29	73.84	
5,533.17				12/17/18	75.61	74.16	
5,532.63				03/25/19	76.15	74.70	
5,532.56				06/24/19	76.22	74.77	
5,532.28				08/12/19	76.50	75.05	
5,531.69				11/18/19	77.09	75.64	
5,531.34				02/10/20	77.44	75.99	
5,530.76				05/04/20	78.02	76.57	



**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				121.0
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	
5,556.15				12/06/00	64.92	63.72	

**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				121.0
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	
5,561.64				07/28/04	59.43	58.23	
5,543.00				08/30/04	78.07	76.87	

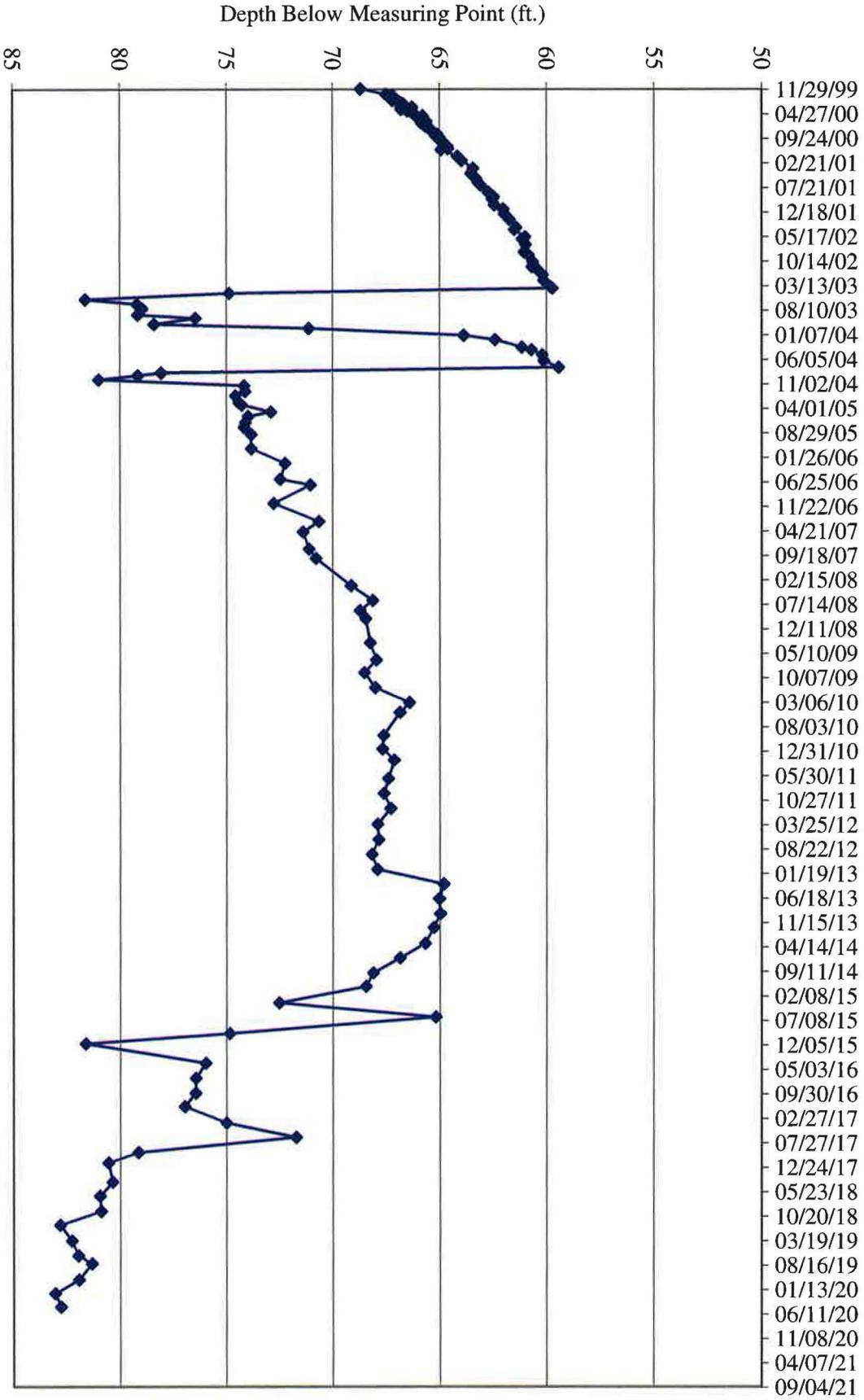
**Water Levels and Data over Time
White Mesa Mill - Well TW4-7**

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				121.0
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	
5,556.23				03/28/13	64.84	63.64	
5,556.04				06/27/13	65.03	63.83	
5,556.09				09/27/13	64.98	63.78	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-7**

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				121.0
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	
5,555.88				06/22/15	65.19	63.99	
5,546.22				09/30/15	74.85	73.65	
5,539.47				12/02/15	81.60	80.40	
5,545.08				03/30/16	75.99	74.79	
5,544.62				06/30/16	76.45	75.25	
5,544.61				09/29/16	76.46	75.26	
5,544.09				12/21/16	76.98	75.78	
5,546.07				03/30/17	75.00	73.80	
5,549.36				06/27/17	71.71	70.51	
5,541.91				09/28/17	79.16	77.96	
5,540.51				11/30/17	80.56	79.36	
5,540.71				03/28/18	80.36	79.16	
5,540.12				06/22/18	80.95	79.75	
5,540.17				09/25/18	80.90	79.70	
5,538.26				12/17/18	82.81	81.61	
5,538.81				03/25/19	82.26	81.06	
5,539.11				06/24/19	81.96	80.76	
5,539.75				08/12/19	81.32	80.12	
5,539.13				11/18/19	81.94	80.74	
5,538.03				02/10/20	83.04	81.84	
5,538.29				05/04/20	82.78	81.58	

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



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				126.2
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				126.2
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	

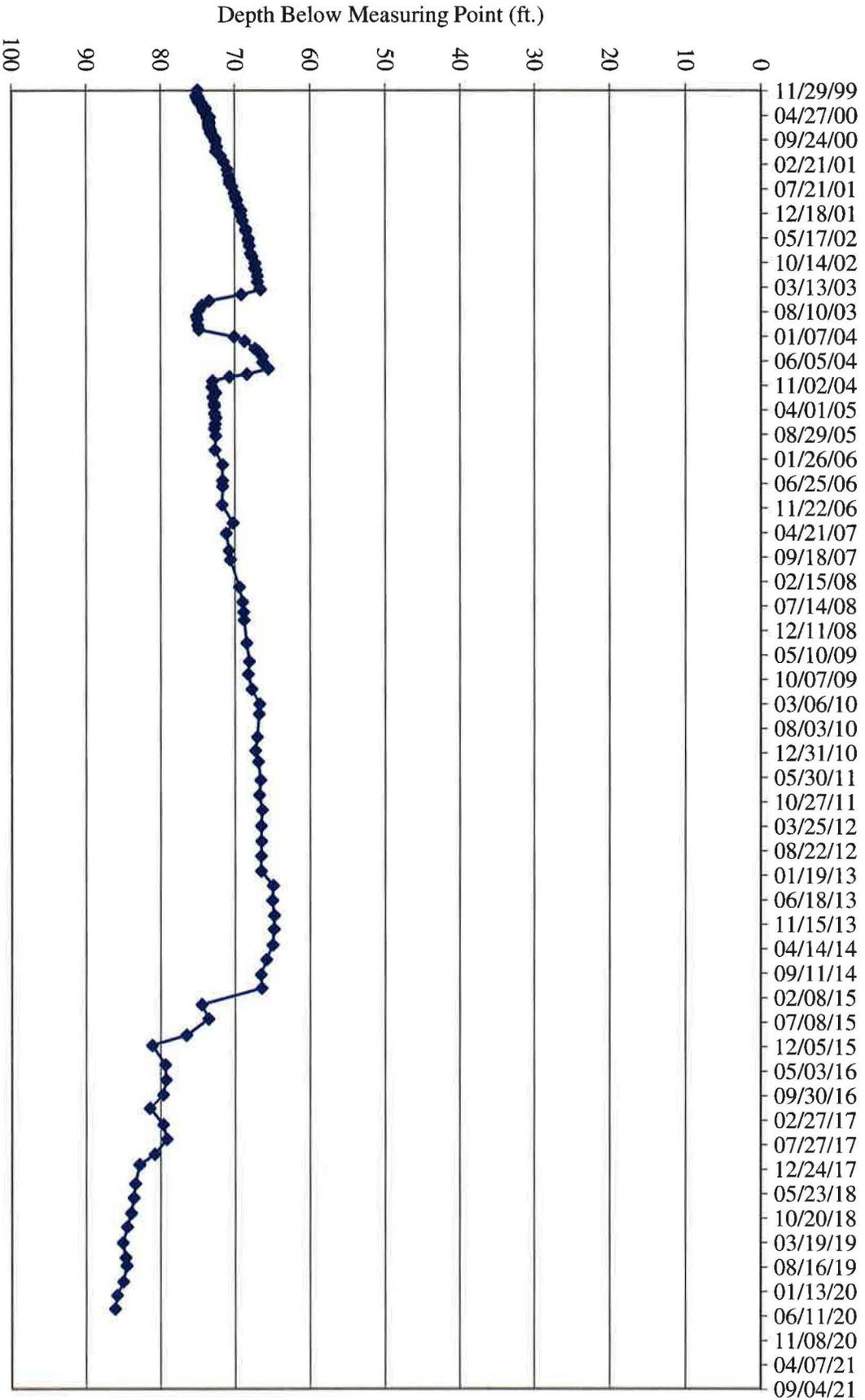
Water Levels and Data over Time
White Mesa Mill - Well TW4-8

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				126.2
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	68.90	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	66.5	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	64.80	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				126.2
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	
5,547.80				06/22/15	73.60	69.00	
5,544.84				09/30/15	76.56	71.96	
5,540.22				12/02/15	81.18	76.58	
5,542.00				03/30/16	79.40	74.80	
5,542.10				06/30/16	79.30	74.70	
5,541.70				09/29/16	79.70	75.10	
5,539.90				12/21/16	81.50	76.90	
5,541.70				03/30/17	79.70	75.10	
5,542.19				06/27/17	79.21	74.61	
5,540.58				09/28/17	80.82	76.22	
5,538.52				11/30/17	82.88	78.28	
5,537.95				03/28/18	83.45	78.85	
5,537.73				06/22/18	83.67	79.07	
5,537.38				09/25/18	84.02	79.42	
5,536.86				12/17/18	84.54	79.94	
5,536.30				03/25/19	85.10	80.50	
5,536.67				06/24/19	84.73	80.13	
5,536.82				08/12/19	84.58	79.98	
5,536.37				11/18/19	85.03	80.43	
5,535.53				02/10/20	85.87	81.27	
5,535.25				05/04/20	86.15	81.55	

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



**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				120.1
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**

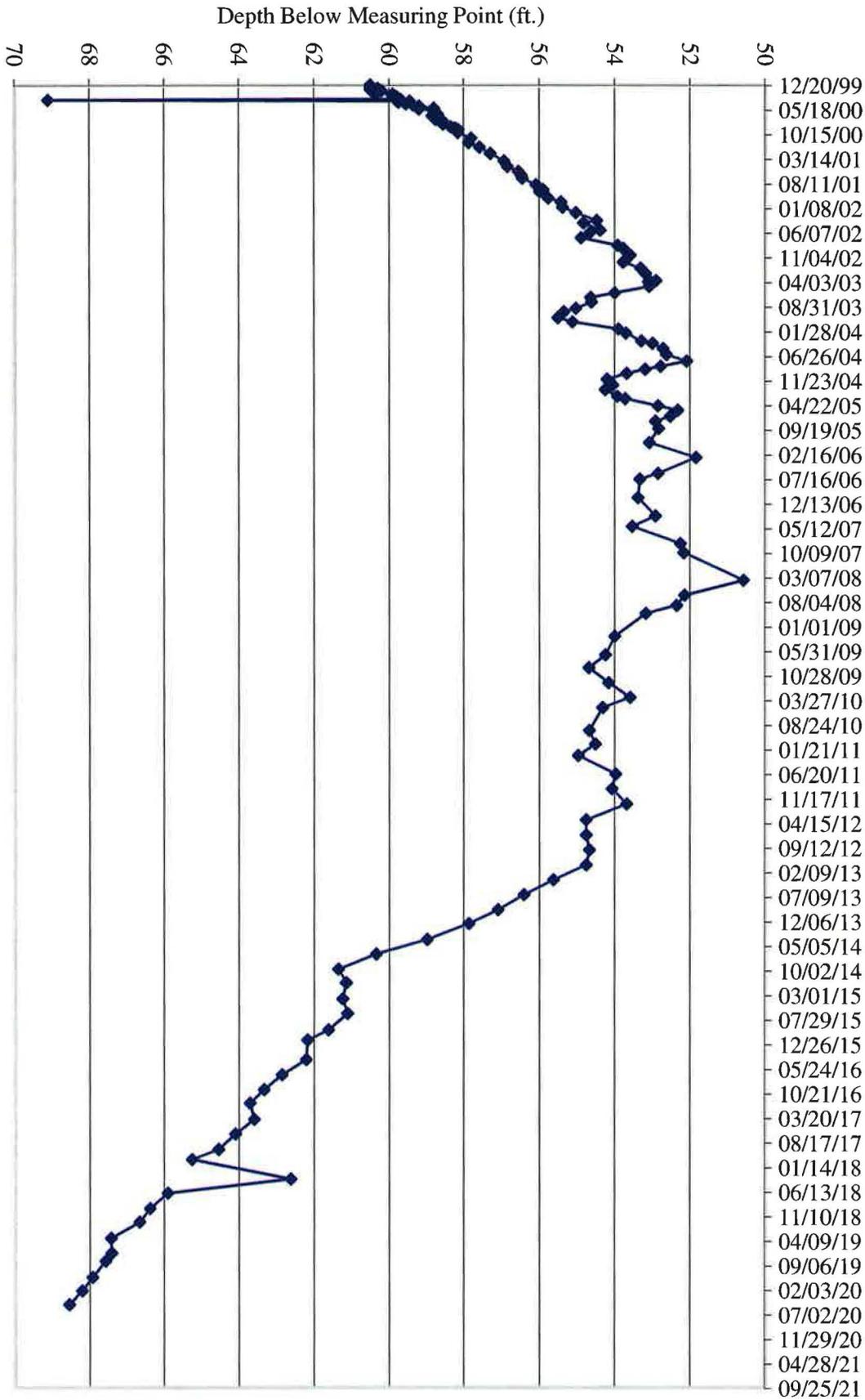
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,636.11	5,637.59	1.48				120.1
5,581.04				05/31/01	56.55	55.07	
5,581.12				06/21/01	56.47	54.99	
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				120.1
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				120.1
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	
5,576.48				06/22/15	61.11	59.63	
5,575.98				09/30/15	61.61	60.13	
5,575.41				12/02/15	62.18	60.70	
5,575.38				03/30/16	62.21	60.73	
5,574.74				06/30/16	62.85	61.37	
5,574.26				09/29/16	63.33	61.85	
5,573.88				12/21/16	63.71	62.23	
5,573.99				03/30/17	63.60	62.12	
5,573.49				06/27/17	64.10	62.62	
5,573.05				09/28/17	64.54	63.06	
5,572.34				11/30/17	65.25	63.77	
5,574.97				03/28/18	62.62	61.14	
5,571.69				06/22/18	65.90	64.42	
5,571.20				09/25/18	66.39	64.91	
5,570.92				12/17/18	66.67	65.19	
5,570.16				03/25/19	67.43	65.95	
5,570.17				06/24/19	67.42	65.94	
5,570.01				08/12/19	67.58	66.10	
5,569.66				11/18/19	67.93	66.45	
5,569.38				02/10/20	68.21	66.73	
5,569.04				05/04/20	68.55	67.07	



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

**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				113.2
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	

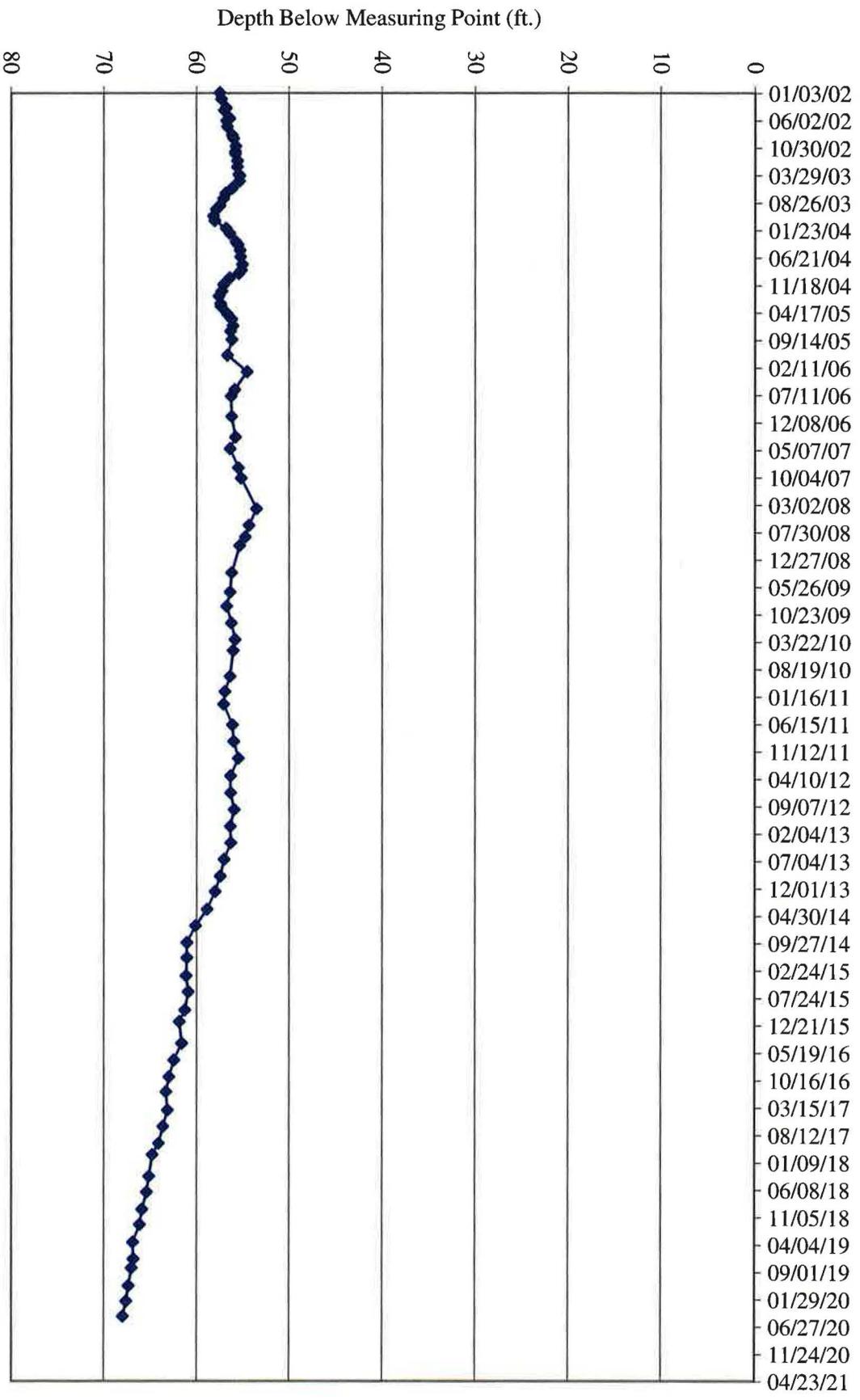
**Water Levels and Data over Time
White Mesa Mill - Well TW4-10**

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				113.2
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	57.10	54.85	
5,578.09				06/21/11	56.15	53.90	
5,578.24				09/20/11	56.00	53.75	
5,578.74				12/21/11	55.50	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	
5,573.33				06/22/15	60.91	58.66	
5,572.98				09/30/15	61.26	59.01	
5,572.39				12/02/15	61.85	59.60	
5,572.64				03/30/16	61.60	59.35	

**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				113.2
5,571.79				06/30/16	62.45	60.20	
5,571.27				09/29/16	62.97	60.72	
5,570.94				12/21/16	63.30	61.05	
5,571.09				03/30/17	63.15	60.90	
5,570.59				06/27/17	63.65	61.40	
5,570.12				09/28/17	64.12	61.87	
5,569.42				11/30/17	64.82	62.57	
5,569.06				03/28/18	65.18	62.93	
5,568.81				06/22/18	65.43	63.18	
5,568.33				09/25/18	65.91	63.66	
5,568.08				12/17/18	66.16	63.91	
5,567.33				03/25/19	66.91	64.66	
5,567.39				06/24/19	66.85	64.60	
5,567.21				08/12/19	67.03	64.78	
5,566.88				11/18/19	67.36	65.11	
5,566.61				02/10/20	67.63	65.38	
5,566.27				05/04/20	67.97	65.72	

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



**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				102.4
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	

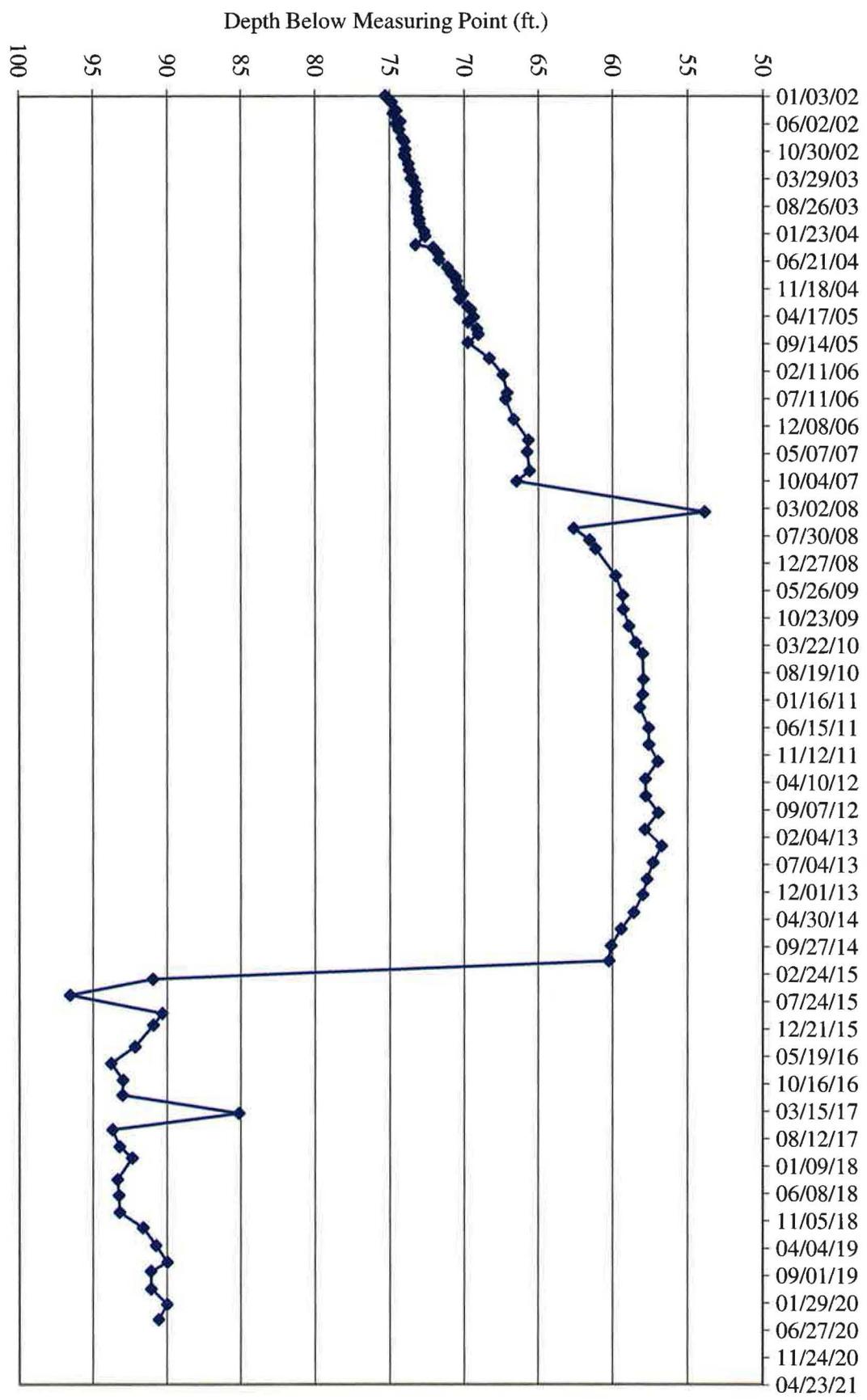
**Water Levels and Data over Time
White Mesa Mill - Well TW4-11**

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				102.4
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	64.00	
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	
5,527.07				06/22/15	96.55	94.85	
5,533.27				09/30/15	90.35	88.65	
5,532.67				12/02/15	90.95	89.25	
5,531.44				03/30/16	92.18	90.48	

**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				102.4
5,529.85				06/30/16	93.77	92.07	
5,530.64				09/29/16	92.98	91.28	
5,530.61				12/21/16	93.01	91.31	
5,538.48				03/30/17	85.14	83.44	
5,529.93				06/27/17	93.69	91.99	
5,530.41				09/28/17	93.21	91.51	
5,531.26				11/30/17	92.36	90.66	
5,530.28				03/28/18	93.34	91.64	
5,530.36				06/22/18	93.26	91.56	
5,530.41				09/24/18	93.21	91.51	
5,531.96				12/17/18	91.66	89.96	
5,532.84				03/25/19	90.78	89.08	
5,533.62				06/24/19	90.00	88.30	
5,532.49				08/12/19	91.13	89.43	
5,532.50				11/18/19	91.12	89.42	
5,533.60				02/10/20	90.02	88.32	
5,533.02				05/04/20	90.60	88.90	

TW-4-11 Water Depth Over Time (ft. blmp)



**Water Levels and Data over Time
White Mesa Mill - Well TW4-12**

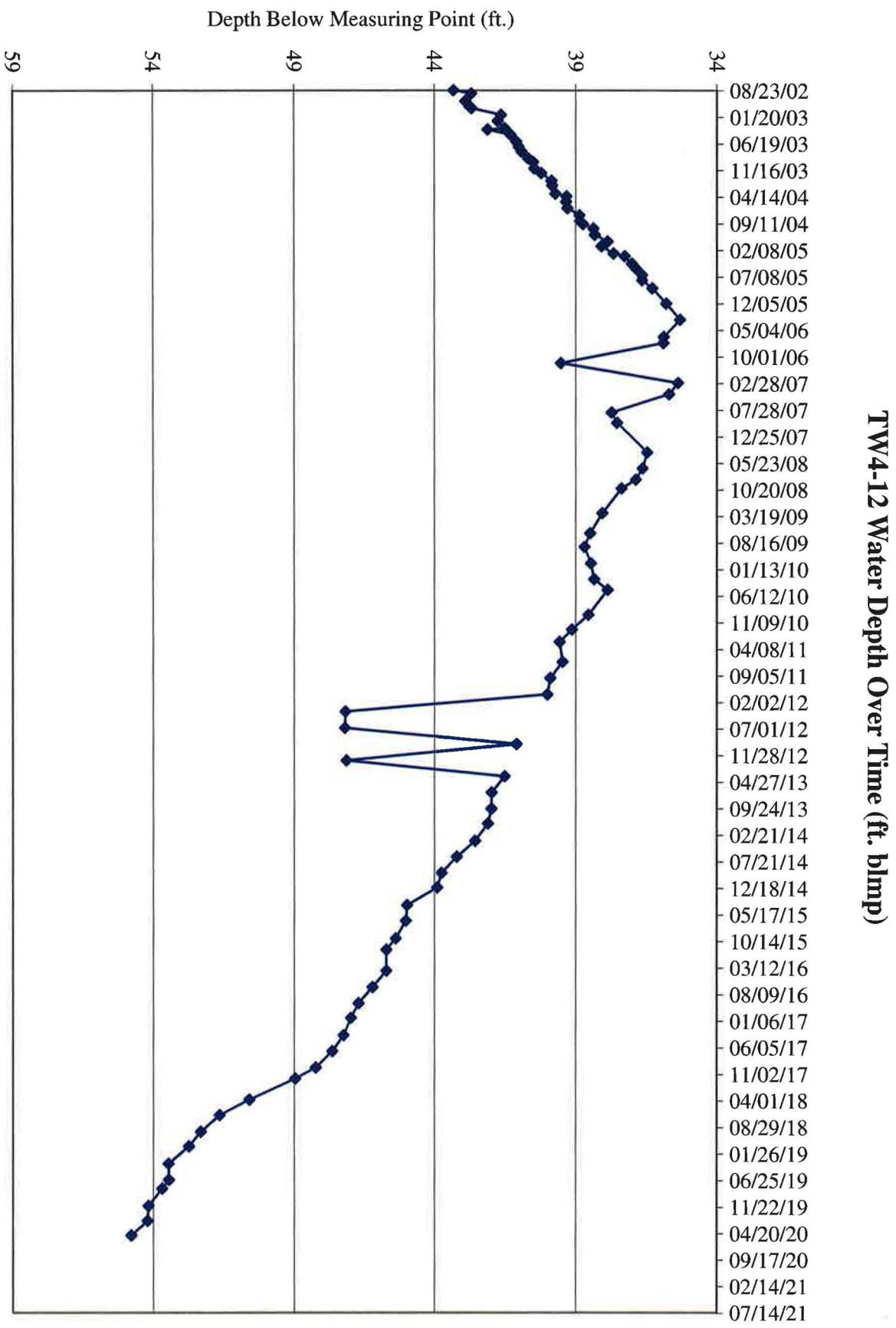
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,622.38	5,624.23	1.85				103.2
5,580.91				08/23/02	43.32	41.47	
5,581.54				09/11/02	42.69	40.84	
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				103.2
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	43.90	42.05	
5,579.28				03/26/15	44.95	43.10	
5,579.23				06/22/15	45.00	43.15	
5,578.87				09/30/15	45.36	43.51	
5,578.53				12/02/15	45.70	43.85	
5,578.53				03/30/16	45.70	43.85	
5,578.03				06/30/16	46.20	44.35	
5,577.54				09/29/16	46.69	44.84	
5,577.27				12/21/16	46.96	45.11	
5,577.00				03/30/17	47.23	45.38	
5,576.59				06/27/17	47.64	45.79	
5,576.00				09/28/17	48.23	46.38	
5,575.27				11/29/17	48.96	47.11	

**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				103.2
5,573.64				03/28/18	50.59	48.74	
5,572.58				06/22/18	51.65	49.80	
5,571.91				09/25/18	52.32	50.47	
5,571.49				12/17/18	52.74	50.89	
5,570.77				03/25/19	53.46	51.61	
5,570.78				06/24/19	53.45	51.60	
5,570.54				08/12/19	53.69	51.84	
5,570.06				11/18/19	54.17	52.32	
5,570.02				02/10/20	54.21	52.36	
5,569.45				05/04/20	54.78	52.93	



**Water Levels and Data over Time
White Mesa Mill - Well TW4-13**

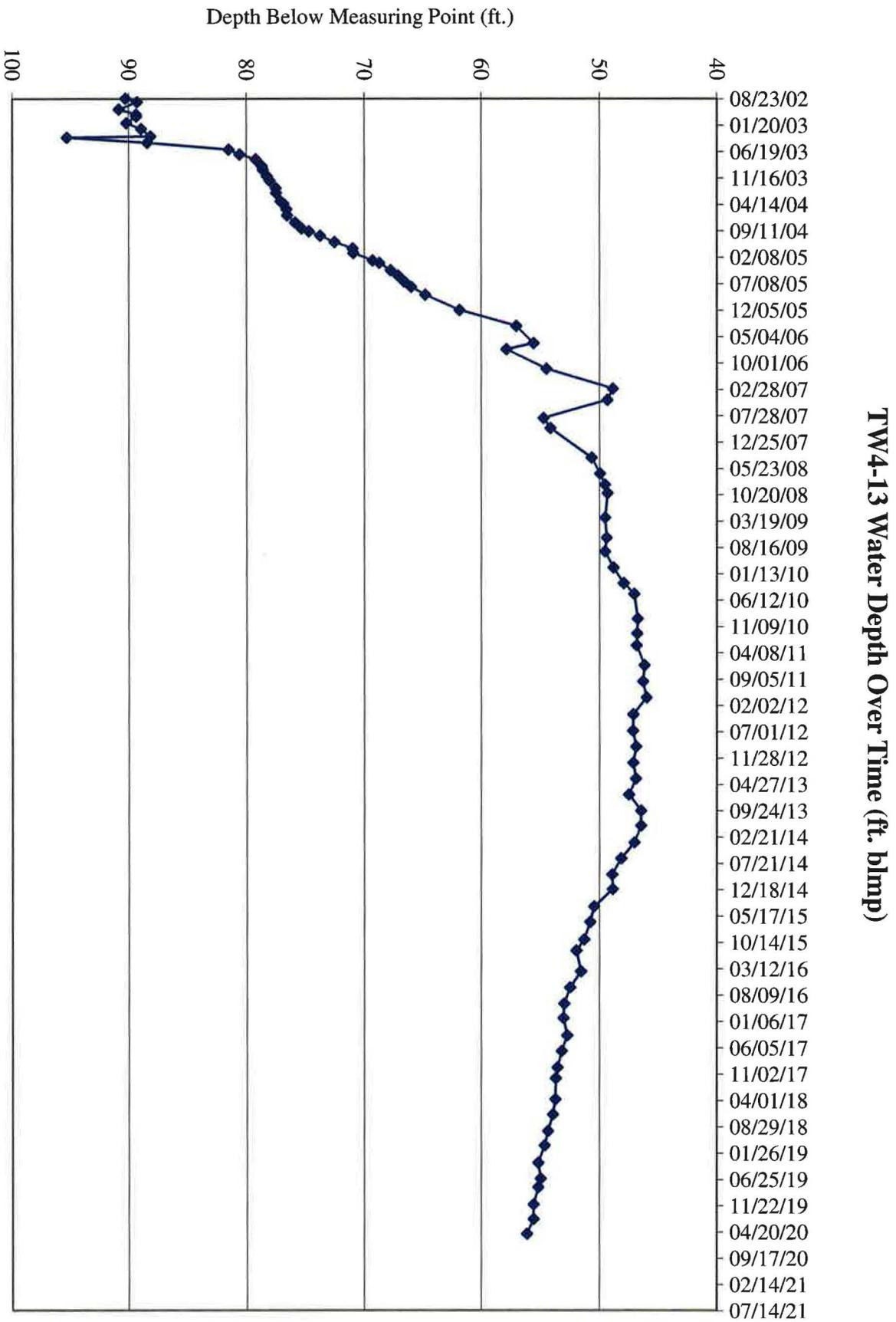
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,618.09	5,619.94	1.85				105.7
5,529.66				08/23/02	90.28	88.43	
5,530.66				09/11/02	89.28	87.43	
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	
5,571.08				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				105.7
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	
5,569.16				06/22/15	50.78	48.93	
5,568.66				09/30/15	51.28	49.43	
5,568.02				12/02/15	51.92	50.07	
5,568.39				03/30/16	51.55	49.70	
5,567.49				06/30/16	52.45	50.60	
5,566.99				09/29/16	52.95	51.10	
5,566.94				12/21/16	53.00	51.15	
5,567.24				03/30/17	52.70	50.85	
5,566.79				06/27/17	53.15	51.30	
5,566.43				09/28/17	53.51	51.66	
5,566.28				11/29/17	53.66	51.81	

**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				105.7
5,566.24				03/28/18	53.70	51.85	
5,566.03				06/22/18	53.91	52.06	
5,565.61				09/25/18	54.33	52.48	
5,565.32				12/17/18	54.62	52.77	
5,564.78				03/25/19	55.16	53.31	
5,564.99				06/24/19	54.95	53.10	
5,564.78				08/12/19	55.16	53.31	
5,564.39				11/18/19	55.55	53.70	
5,564.39				02/10/20	55.55	53.70	
5,563.82				05/04/20	56.12	54.27	



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				95.1
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	
5,522.24				02/27/07	90.53	88.68	

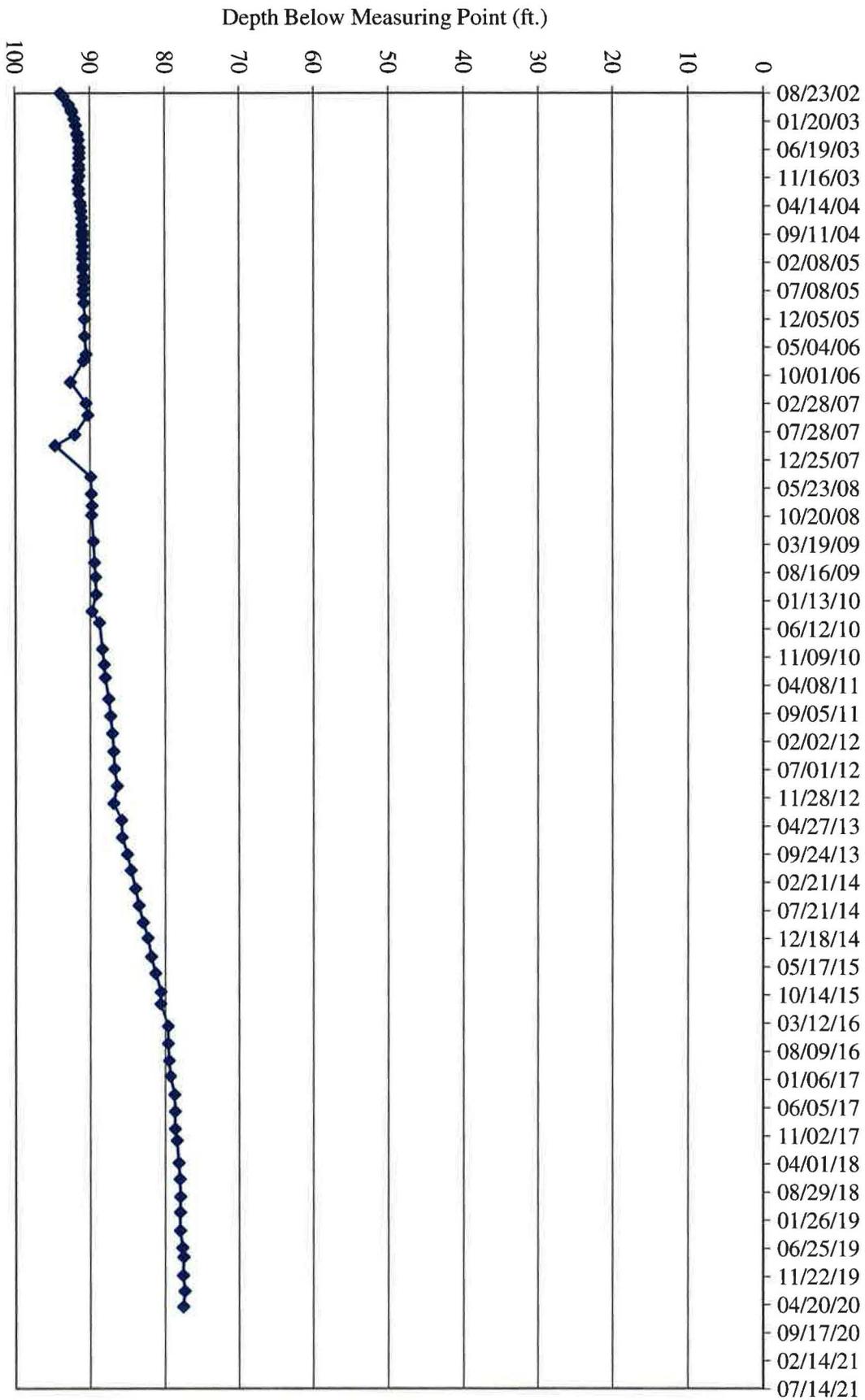
**Water Levels and Data over Time
White Mesa Mill - Well TW4-14**

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				95.1
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	
5,531.40				06/22/15	81.37	79.52	
5,532.15				09/30/15	80.62	78.77	
5,532.12				12/02/15	80.65	78.80	
5,533.12				03/30/16	79.65	77.80	
5,533.13				06/30/16	79.64	77.79	
5,533.24				09/29/16	79.53	77.68	
5,533.42				12/21/16	79.35	77.50	
5,533.97				03/30/17	78.80	76.95	
5,534.05				06/27/17	78.72	76.87	
5,534.07				09/28/17	78.70	76.85	
5,534.29				11/29/17	78.48	76.63	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-14**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,610.92	5,612.77	1.85				95.1
5,534.56				03/28/18	78.21	76.36	
5,534.67				06/22/18	78.10	76.25	
5,534.75				09/25/18	78.02	76.17	
5,534.71				12/17/18	78.06	76.21	
5,534.71				03/25/19	78.06	76.21	
5,535.04				06/24/19	77.73	75.88	
5,535.17				08/12/19	77.60	75.75	
5,535.09				11/18/19	77.68	75.83	
5,535.31				02/10/20	77.46	75.61	
5,535.12				05/04/20	77.65	75.8	

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



**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	
5,558.77				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	

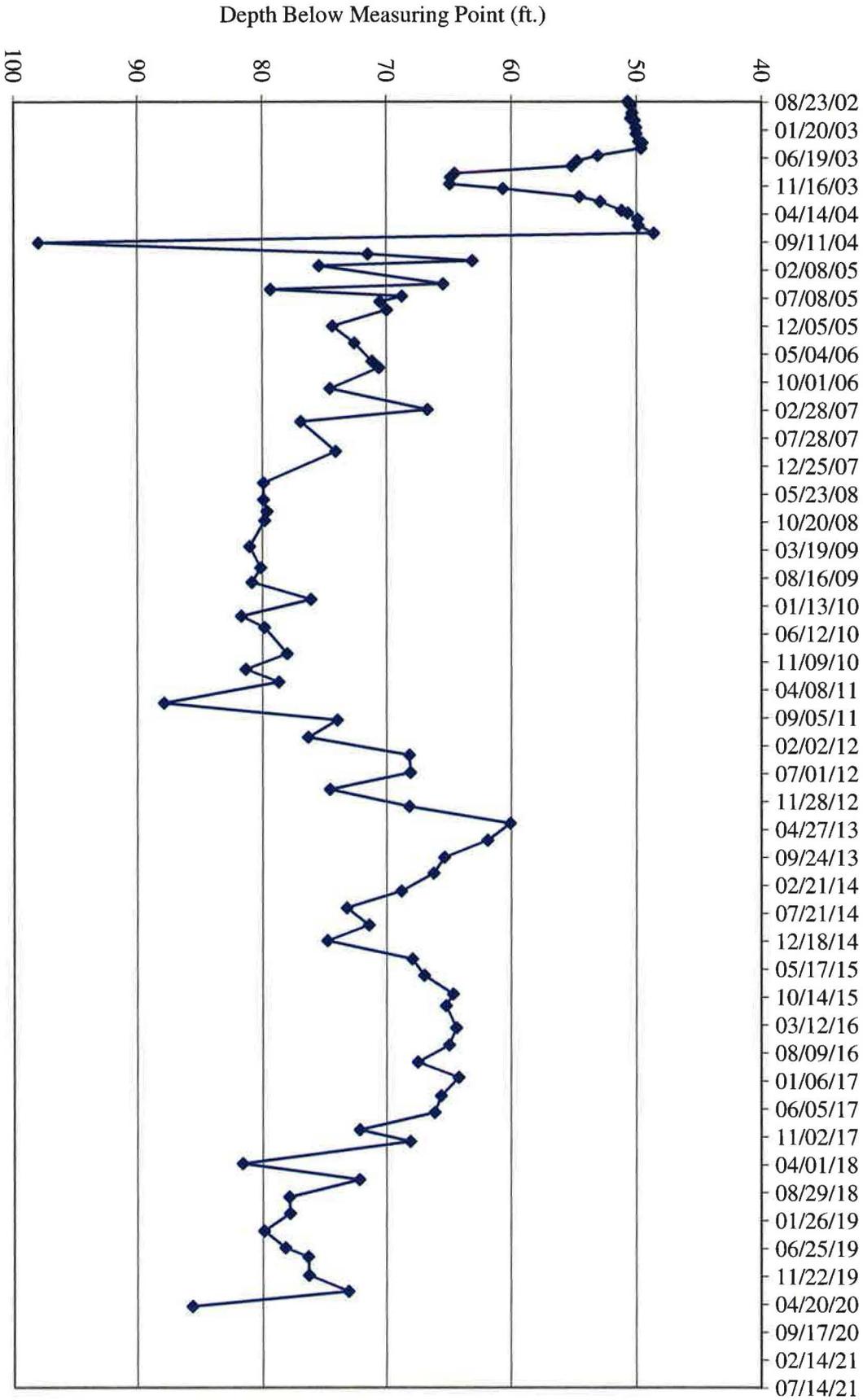
**Water Levels and Data over Time
White Mesa Mill - Well MW-26**

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	
5,558.51				06/22/15	66.94	65.64	
5,560.81				09/30/15	64.64	63.34	
5,560.25				12/02/15	65.20	63.90	
5,561.07				03/30/16	64.38	63.08	
5,560.51				06/30/16	64.94	63.64	
5,557.99				09/29/16	67.46	66.16	
5,561.26				12/21/16	64.19	62.89	
5,559.85				03/30/17	65.60	64.30	
5,559.35				06/27/17	66.10	64.80	
5,553.30				09/28/17	72.15	70.85	
5,557.38				11/30/17	68.07	66.77	
5,543.85				03/28/18	81.60	80.30	
5,553.27				06/22/18	72.18	70.88	
5,547.57				09/24/18	77.88	76.58	
5,547.63				12/20/18	77.82	76.52	
5,545.54				03/25/19	79.91	78.61	

**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
5,547.27				06/24/19	78.18	76.88	
5,549.07				08/12/19	76.38	75.08	
5,549.15				11/18/19	76.30	75.00	
5,552.38				02/13/20	73.07	71.77	
5,539.82				05/04/20	85.63	84.33	

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



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
	5,625.28	5,628.65	3.37				147.6
5,562.91				08/23/02	61.11	57.74	
5,563.45				09/11/02	60.57	57.20	
5,563.75				10/23/02	60.27	56.90	
5,563.68				11/22/02	60.34	56.97	
5,563.68				12/03/02	60.34	56.97	
5,564.16				01/09/03	59.86	56.49	
5,564.25				02/12/03	59.77	56.40	
5,564.53				03/26/03	59.49	56.12	
5,564.46				04/02/03	59.56	56.19	
5,564.79				05/01/03	59.23	55.86	
5,564.31				06/09/03	59.71	56.34	
5,563.29				07/07/03	60.73	57.36	
5,562.76				08/04/03	61.26	57.89	
5,561.73				09/11/03	62.29	58.92	
5,561.04				10/02/03	62.98	59.61	
5,560.39				11/07/03	63.63	60.26	
5,559.79				12/03/03	64.23	60.86	
5,561.02				01/15/04	63.00	59.63	
5,561.75				02/10/04	62.27	58.90	
5,562.98				03/28/04	61.04	57.67	
5,563.29				04/12/04	60.73	57.36	
5,564.03				05/13/04	59.99	56.62	
5,564.09				06/18/04	59.93	56.56	
5,565.08				07/28/04	58.94	55.57	
5,564.56				08/30/04	59.46	56.09	
5,563.55				09/16/04	60.47	57.10	
5,561.79				10/11/04	62.23	58.86	
5,560.38				11/16/04	63.64	60.27	
5,559.71				12/22/04	64.31	60.94	
5,559.14				01/18/05	64.88	61.51	
5,558.65				02/28/05	65.37	62.00	
5,558.54				03/15/05	65.48	62.11	
5,558.22				04/26/05	65.80	62.43	
5,558.54				05/24/05	65.48	62.11	
5,559.24				06/30/05	64.78	61.41	
5,559.38				07/29/05	64.64	61.27	
5,559.23				09/12/05	64.79	61.42	
5,557.67				12/07/05	66.35	62.98	
5,557.92				03/08/06	66.10	62.73	
5,558.47				06/13/06	65.55	62.18	
5,558.42				07/18/06	65.60	62.23	
5,558.09				11/07/06	65.93	62.56	
5,557.34				02/27/07	66.68	63.31	

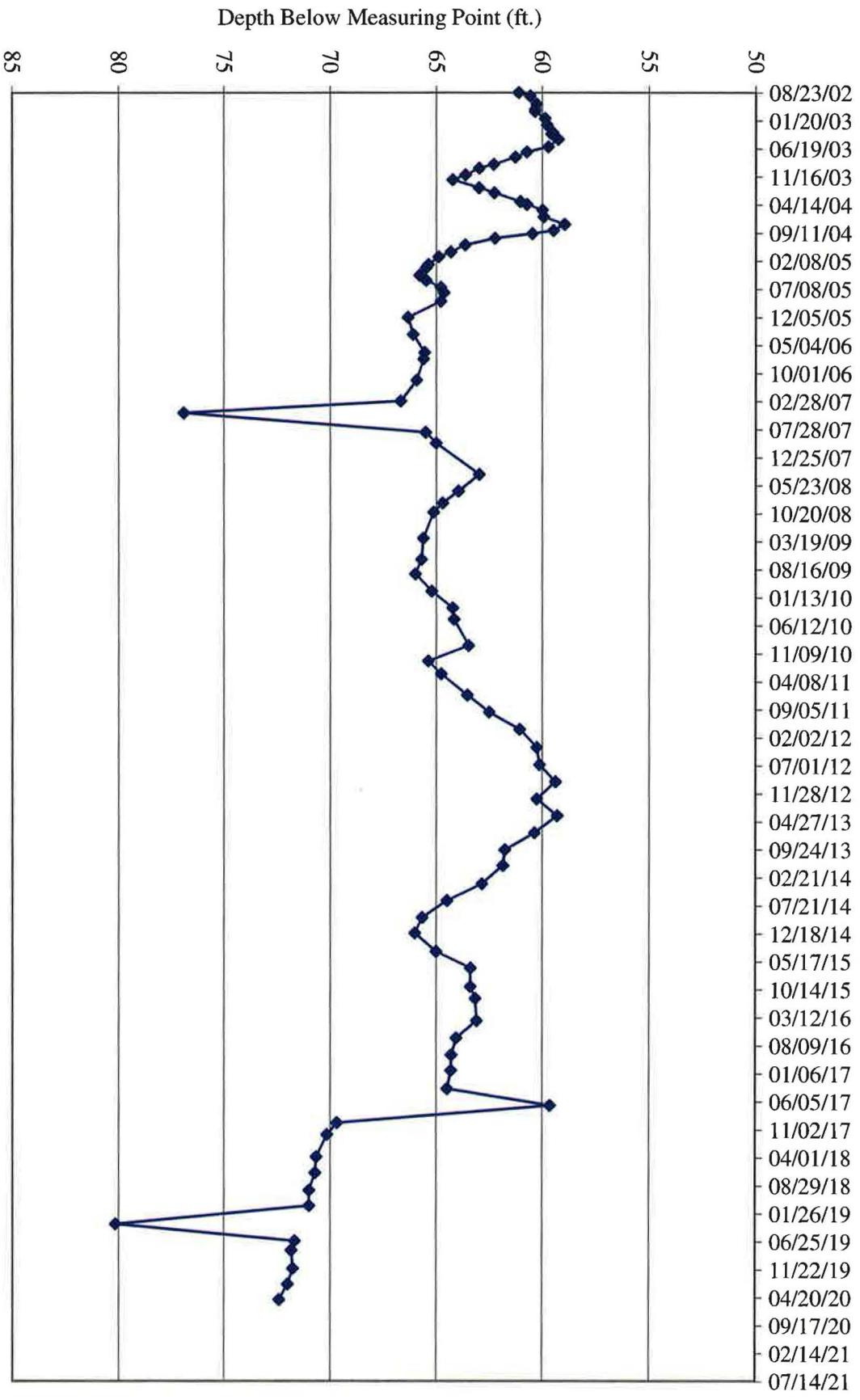
**Water Levels and Data over Time
White Mesa Mill - Well TW4-16**

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
	5,625.28	5,628.65	3.37				147.6
5,547.11				05/02/07	76.91	73.54	
5,558.52				08/14/07	65.50	62.13	
5,559.02				10/10/07	65.00	61.63	
5,561.04				03/26/08	62.98	59.61	
5,560.06				06/24/08	63.96	60.59	
5,559.32				08/26/08	64.70	61.33	
5,558.89				10/14/08	65.13	61.76	
5,558.40				03/03/09	65.62	62.25	
5,558.32				06/24/09	65.70	62.33	
5,558.03				09/10/09	65.99	62.62	
5,558.81				12/11/09	65.21	61.84	
5,559.80				03/11/10	64.22	60.85	
5,559.85				05/11/10	64.17	60.80	
5,560.54				09/29/10	63.48	60.11	
5,558.65				12/21/10	65.37	62.00	
5,559.26				02/28/11	64.76	61.39	
5,560.48				06/21/11	63.54	60.17	
5,561.52				09/20/11	62.50	59.13	
5,562.95				12/21/11	61.07	57.70	
5,563.76				03/27/12	60.26	56.89	
5,563.90				06/28/12	60.12	56.75	
5,564.65				09/27/12	59.37	56.00	
5,563.77				12/28/12	60.25	56.88	
5,564.74				03/28/13	59.28	55.91	
5,563.66				06/27/13	60.36	56.99	
5,562.27				09/27/13	61.75	58.38	
5,562.17				12/20/13	61.85	58.48	
5,561.17				03/27/14	62.85	59.48	
5,559.53				06/25/14	64.49	61.12	
5,558.36				09/25/14	65.66	62.29	
5,558.00				12/17/14	66.02	62.65	
5,559.02				03/26/15	65.00	61.63	
5,560.62				06/22/15	63.40	60.03	
5,560.62				09/30/15	63.40	60.03	
5,560.85				12/02/15	63.17	59.80	
5,560.92				03/30/16	63.10	59.73	
5,559.95				06/30/16	64.07	60.70	
5,559.72				09/29/16	64.30	60.93	
5,559.71				12/21/16	64.31	60.94	
5,559.53				03/30/17	64.49	61.12	
5,569.02				06/27/17	59.63	56.26	
5,558.97				09/28/17	69.68	66.31	
5,558.51				11/30/17	70.14	66.77	

**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
	5,625.28	5,628.65	3.37				147.6
5,558.00				03/29/18	70.65	67.28	
5,557.94				06/22/18	70.71	67.34	
5,557.67				09/25/18	70.98	67.61	
5,557.66				12/17/18	70.99	67.62	
5,548.49				03/25/19	80.16	76.79	
5,556.98				06/24/19	71.67	68.30	
5,556.83				08/12/19	71.82	68.45	
5,556.90				11/18/19	71.75	68.38	
5,556.65				02/10/20	72.00	68.63	
5,556.25				05/04/20	72.40	69.03	

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



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

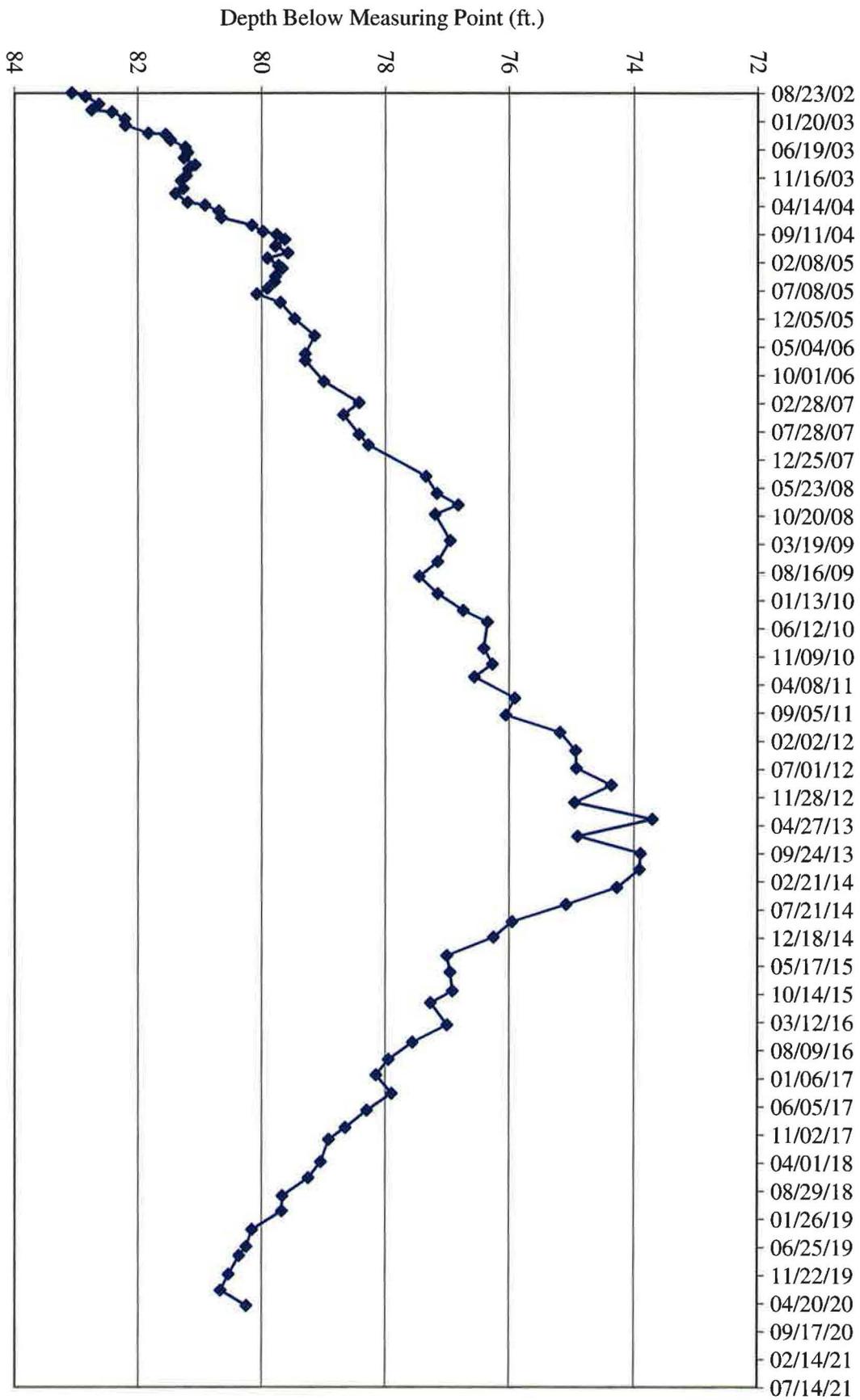
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.41	5,625.24	1.83				130.6
5,542.17				08/23/02	83.07	81.24	
5,542.39				09/11/02	82.85	81.02	
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	
5,546.81				02/27/07	78.43	76.60	

**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
5,546.56				05/02/07	78.68	76.85	
5,546.81				08/15/07	78.43	76.6	
5,546.96				10/10/07	78.28	76.45	
5,547.90				03/26/08	77.34	75.51	
5,548.08				06/25/08	77.16	75.33	
5,548.42				08/26/08	76.82	74.99	
5,548.05				10/14/08	77.19	75.36	
5,548.29				03/03/09	76.95	75.12	
5,548.09				06/24/09	77.15	75.32	
5,547.79				09/10/09	77.45	75.62	
5,548.09				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	
5,548.29				06/22/15	76.95	75.12	
5,548.33				09/30/15	76.91	75.08	
5,547.98				12/02/15	77.26	75.43	
5,548.24				03/30/16	77.00	75.17	
5,547.68				06/30/16	77.56	75.73	
5,547.29				09/29/16	77.95	76.12	
5,547.09				12/21/16	78.15	76.32	
5,547.34				03/30/17	77.90	76.07	
5,546.94				06/27/17	78.30	76.47	
5,546.59				09/28/17	78.65	76.82	
5,546.32				11/30/17	78.92	77.09	

**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
5,546.19				03/29/18	79.05	77.22	
5,545.99				06/22/18	79.25	77.42	
5,545.57				09/26/18	79.67	77.84	
5,545.56				12/17/18	79.68	77.85	
5,545.08				03/26/19	80.16	78.33	
5,544.99				06/24/19	80.25	78.42	
5,544.87				08/12/19	80.37	78.54	
5,544.70				11/19/19	80.54	78.71	
5,544.57				02/13/20	80.67	78.84	
5,544.99				05/05/20	80.25	78.42	



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

**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				136.9
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	
5,585.83				02/27/07	55.45	53.30	

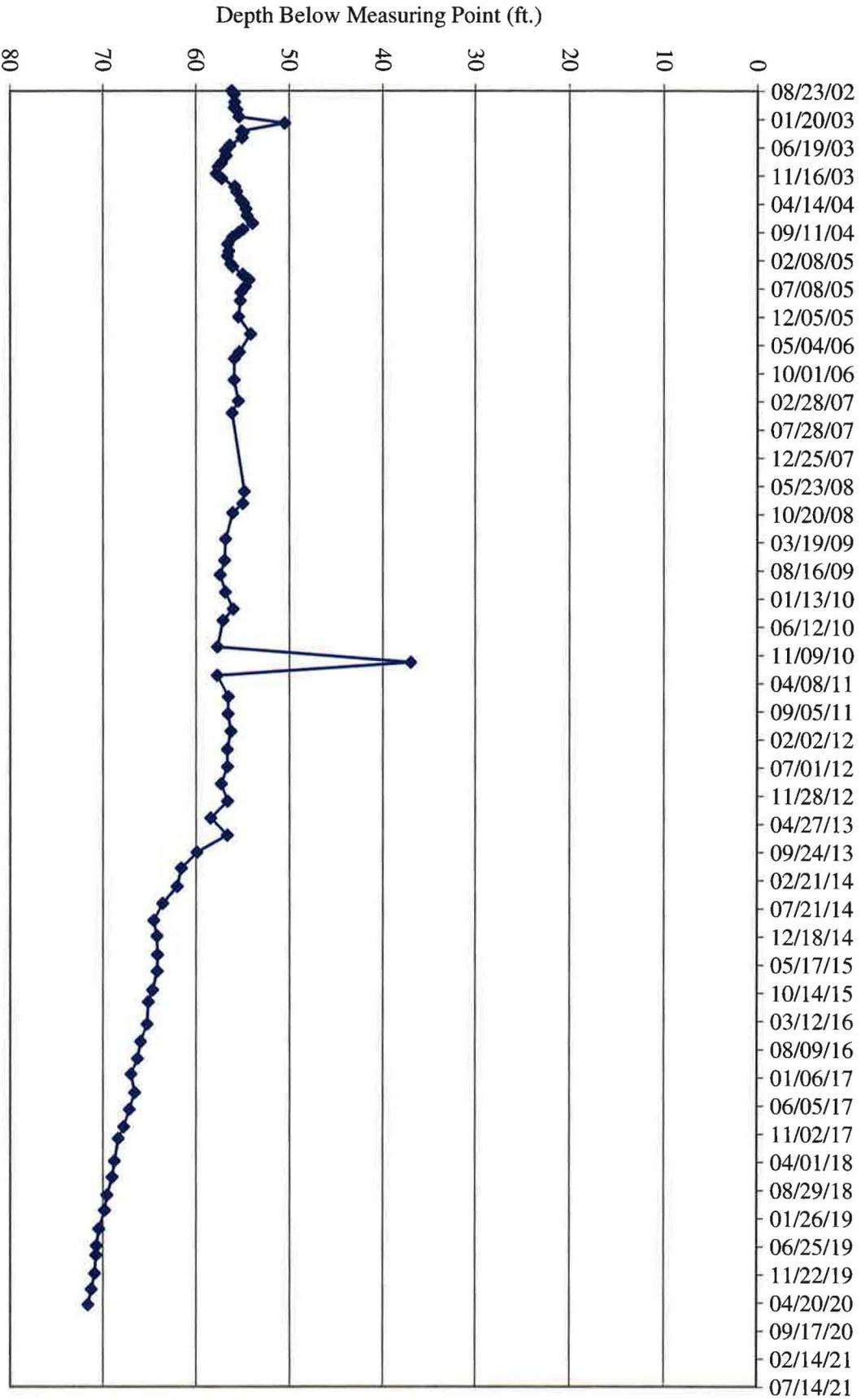
**Water Levels and Data over Time
White Mesa Mill - Well TW4-18**

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				136.9
5,585.15				05/02/07	56.13	53.98	
5,586.47				06/24/08	54.81	52.66	
5,586.30				08/26/08	54.98	52.83	
5,585.21				10/14/08	56.07	53.92	
5,584.47				03/03/09	56.81	54.66	
5,584.35				06/24/09	56.93	54.78	
5,583.88				09/10/09	57.40	55.25	
5,584.43				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	
5,577.13				06/22/15	64.15	62.00	
5,576.63				09/30/15	64.65	62.50	
5,576.20				12/02/15	65.08	62.93	
5,576.05				03/30/16	65.23	63.08	
5,575.35				06/30/16	65.93	63.78	
5,575.02				09/29/16	66.26	64.11	
5,574.34				12/21/16	66.94	64.79	
5,574.73				03/30/17	66.55	64.40	
5,574.13				06/27/17	67.15	65.00	
5,573.51				09/28/17	67.77	65.62	
5,572.93				11/29/17	68.35	66.20	
5,572.51				03/29/18	68.77	66.62	
5,572.28				06/22/18	69.00	66.85	
5,571.72				09/26/18	69.56	67.41	

**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				136.9
5,571.45				12/17/18	69.83	67.68	
5,570.86				03/26/19	70.42	68.27	
5,570.60				06/24/19	70.68	68.53	
5,570.53				08/12/19	70.75	68.60	
5,570.39				11/19/19	70.89	68.74	
5,570.03				02/10/20	71.25	69.10	
5,569.68				05/04/20	71.60	69.45	

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



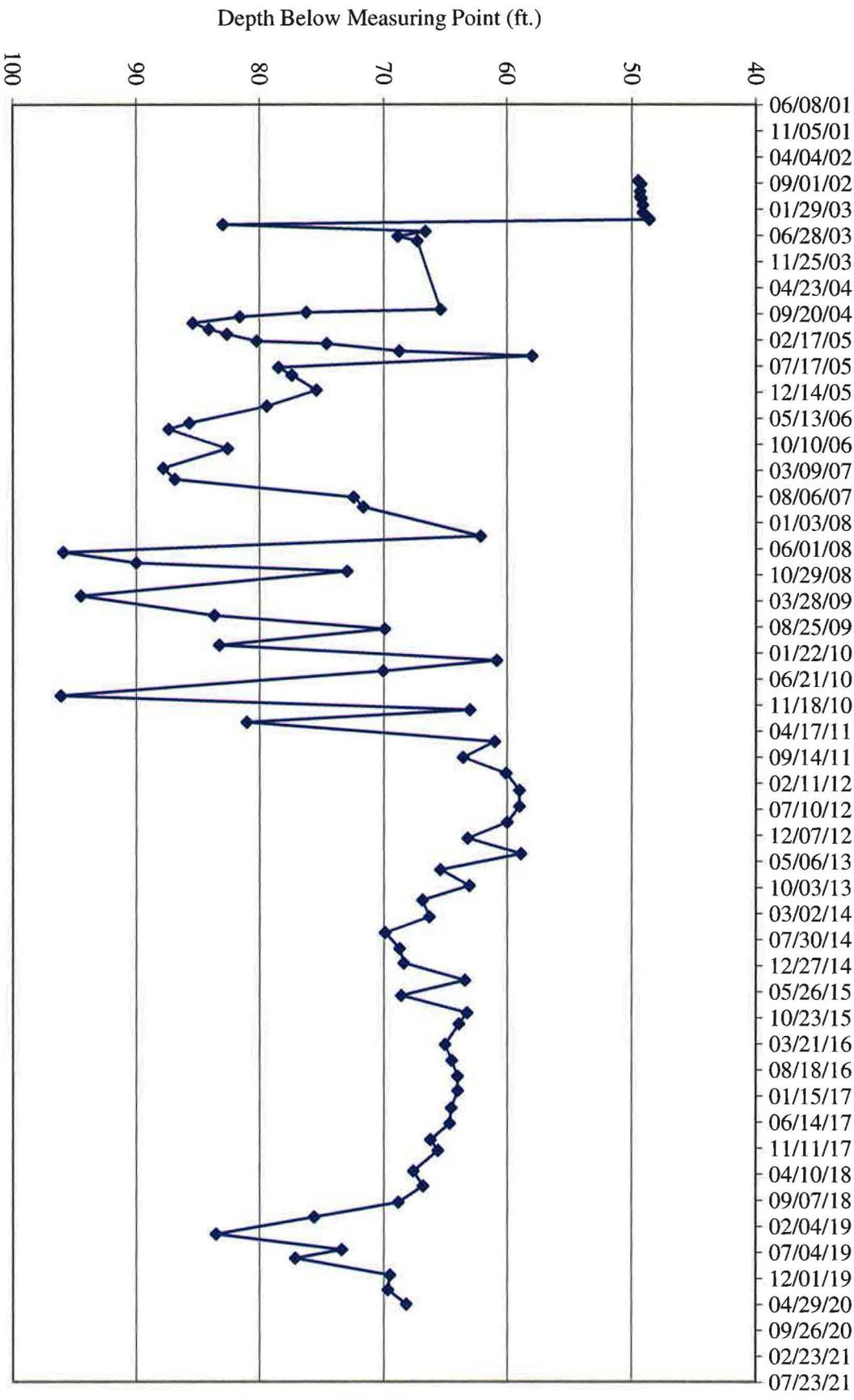
**Water Levels and Data over Time
White Mesa Mill - Well TW4-19**

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				126.86
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	
5,543.59				02/27/07	87.80	85.94	
5,544.55				05/02/07	86.84	84.98	
5,558.97				08/15/07	72.42	70.56	
5,559.73				10/10/07	71.66	69.8	
5,569.26				03/26/08	62.13	60.27	
5,535.47				06/25/08	95.92	94.06	
5,541.41				08/26/08	89.98	88.12	
5,558.45				10/14/08	72.94	71.08	
5,536.90				03/03/09	94.49	92.63	
5,547.76				06/24/09	83.63	81.77	
5,561.48				09/10/09	69.91	68.05	
5,548.14				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				126.86
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	
5,562.79				06/22/15	68.60	66.74	
5,568.16				09/30/15	63.23	61.37	
5,567.51				12/02/15	63.88	62.02	
5,566.38				03/30/16	65.01	63.15	
5,566.91				06/30/16	64.48	62.62	
5,567.38				09/29/16	64.01	62.15	
5,567.41				12/21/16	63.98	62.12	
5,566.87				03/30/17	64.52	62.66	
5,566.76				06/27/17	64.63	62.77	
5,565.19				09/28/17	66.20	64.34	
5,565.79				11/30/17	65.60	63.74	
5,563.79				03/28/18	67.60	65.74	
5,564.58				06/22/18	66.81	64.95	
5,562.56				09/24/18	68.83	66.97	
5,555.78				12/18/18	75.61	73.75	
5,547.86				03/25/19	83.53	81.67	
5,557.99				06/24/19	73.40	71.54	
5,554.26				08/12/19	77.13	75.27	
5,561.87				11/18/19	69.52	67.66	
5,561.71				02/10/20	69.68	67.82	
5,563.21				05/04/20	68.18	66.32	

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



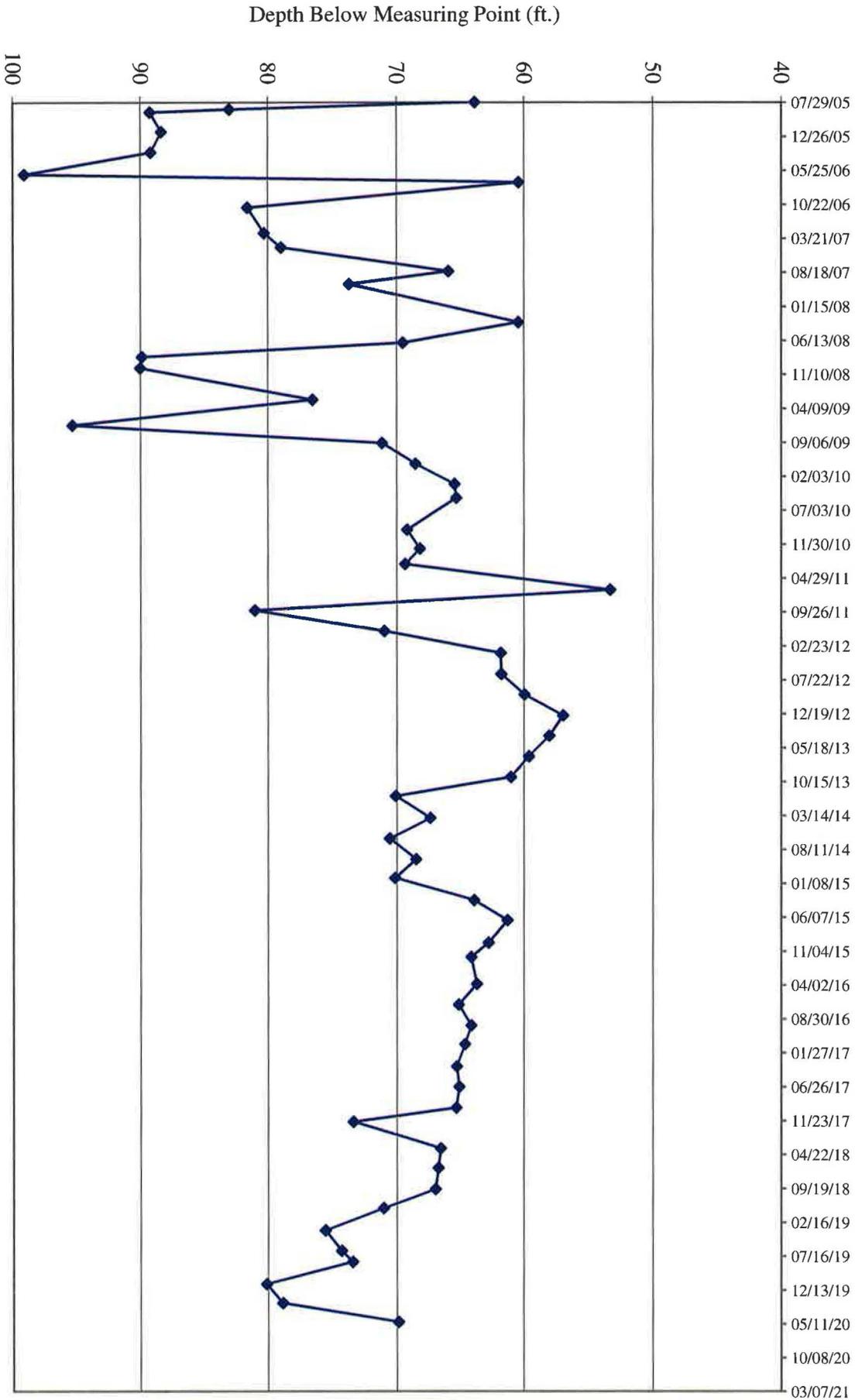
**Water Levels and Data over Time
White Mesa Mill - Well TW4-20**

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				105.9
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	
5,568.25				06/22/15	61.28	60.27	

**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				105.9
5,566.78				09/30/15	62.75	61.74	
5,565.43				12/02/15	64.10	63.09	
5,565.87				03/30/16	63.66	62.65	
5,564.42				06/30/16	65.11	64.10	
5,565.43				09/29/16	64.10	63.09	
5,564.93				12/21/16	64.60	63.59	
5,564.27				03/30/17	65.26	64.25	
5,564.46				06/27/17	65.07	64.06	
5,564.23				09/28/17	65.30	64.29	
5,556.13				11/30/17	73.40	72.39	
5,562.98				03/28/18	66.55	65.54	
5,562.81				06/22/18	66.72	65.71	
5,562.58				09/24/18	66.95	65.94	
5,558.49				12/17/18	71.04	70.03	
5,553.96				03/25/19	75.57	74.56	
5,555.22				06/24/19	74.31	73.30	
5,556.08				08/12/19	73.45	72.44	
5,549.40				11/18/19	80.13	79.12	
5,550.65				02/10/20	78.88	77.87	
5,559.63				05/04/20	69.90	68.89	

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



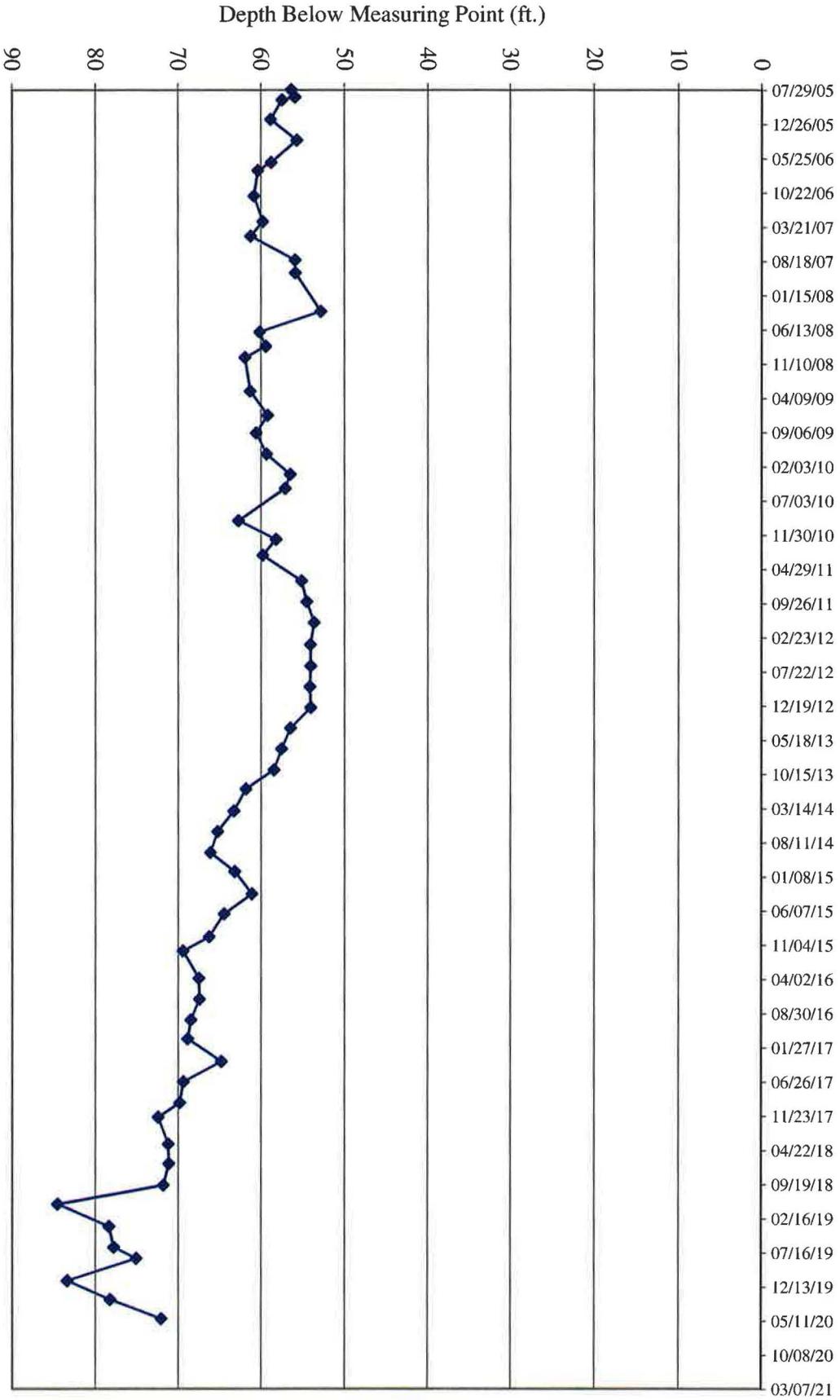
**Water Levels and Data over Time
White Mesa Mill - Well TW4-21**

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				118.8
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	
5,574.85				06/22/15	64.50	63.35	

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				118.8
5,573.05				09/30/15	66.30	65.15	
5,569.88				12/02/15	69.47	68.32	
5,571.81				03/30/16	67.54	66.39	
5,571.86				06/30/16	67.49	66.34	
5,570.82				09/29/16	68.53	67.38	
5,570.45				12/21/16	68.90	67.75	
5,574.53				03/30/17	64.82	63.67	
5,569.91				06/27/17	69.44	68.29	
5,569.49				09/28/17	69.86	68.71	
5,566.87				11/30/17	72.48	71.33	
5,568.10				03/28/18	71.25	70.10	
5,568.17				06/22/18	71.18	70.03	
5,567.50				09/24/18	71.85	70.70	
5,554.80				12/17/18	84.55	83.40	
5,560.92				03/25/19	78.43	77.28	
5,561.49				06/24/19	77.86	76.71	
5,564.17				08/12/19	75.18	74.03	
5,555.91				11/18/19	83.44	82.29	
5,561.05				02/10/20	78.30	77.15	
5,567.23				05/04/20	72.12	70.97	

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



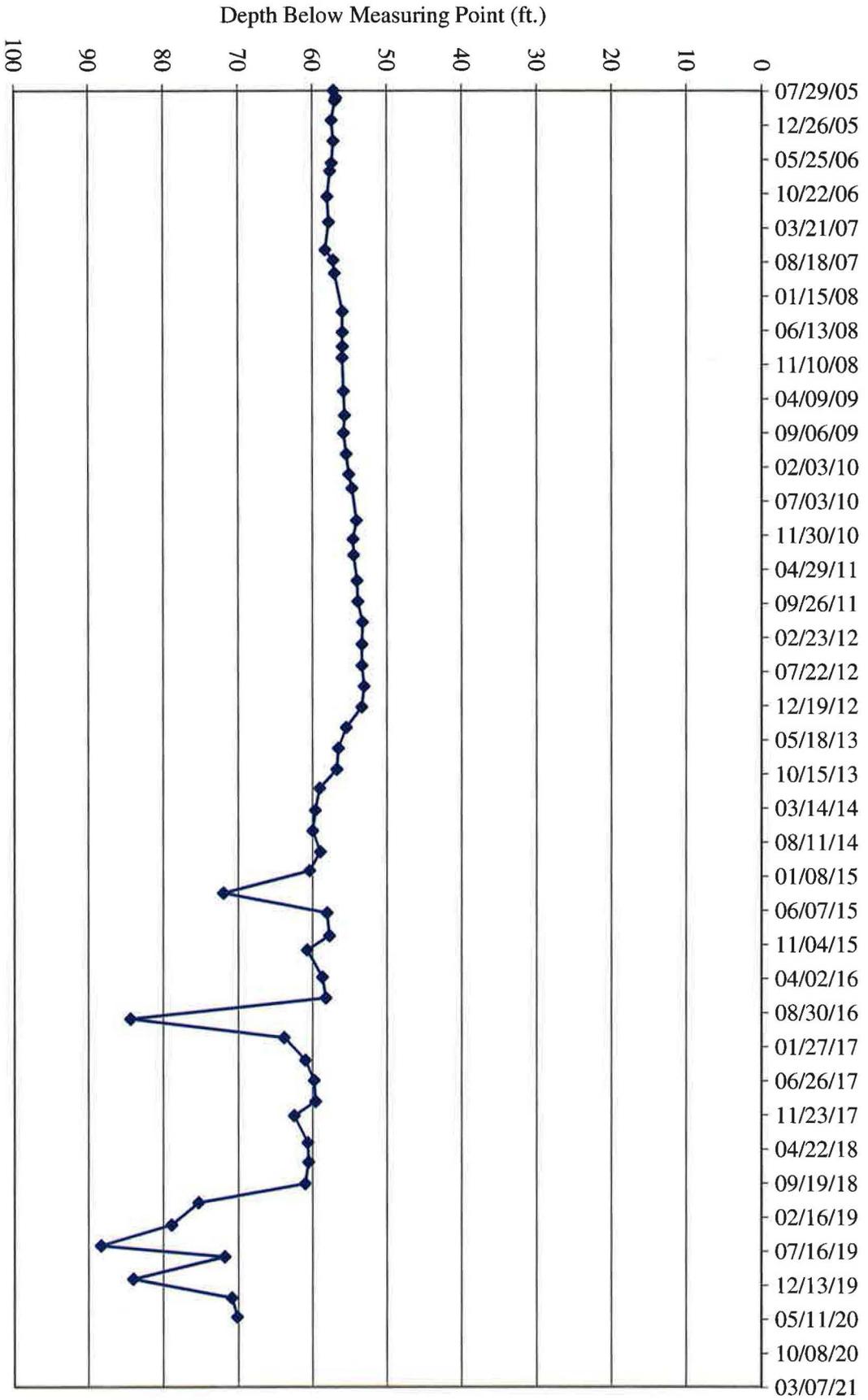
**Water Levels and Data over Time
White Mesa Mill - Well TW4-22**

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				114.7
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	
5,570.93				06/22/15	58.07	56.90	

**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				114.7
5,571.24				09/30/15	57.76	56.59	
5,568.23				12/02/15	60.77	59.60	
5,570.28				03/30/16	58.72	57.55	
5,570.75				06/30/16	58.25	57.08	
5,544.60				09/29/16	84.40	83.23	
5,565.11				12/21/16	63.89	62.72	
5,567.99				03/30/17	61.01	59.84	
5,569.17				06/27/17	59.83	58.66	
5,569.37				09/28/17	59.63	58.46	
5,566.48				11/30/17	62.52	61.35	
5,568.30				03/28/18	60.70	59.53	
5,568.42				06/22/18	60.58	59.41	
5,567.98				09/24/18	61.02	59.85	
5,553.65				12/17/18	75.35	74.18	
5,550.09				03/25/19	78.91	77.74	
5,540.65				06/24/19	88.35	87.18	
5,557.09				08/12/19	71.91	70.74	
5,544.97				11/18/19	84.03	82.86	
5,558.05				02/10/20	70.95	69.78	
5,558.77				05/04/20	70.23	69.06	

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



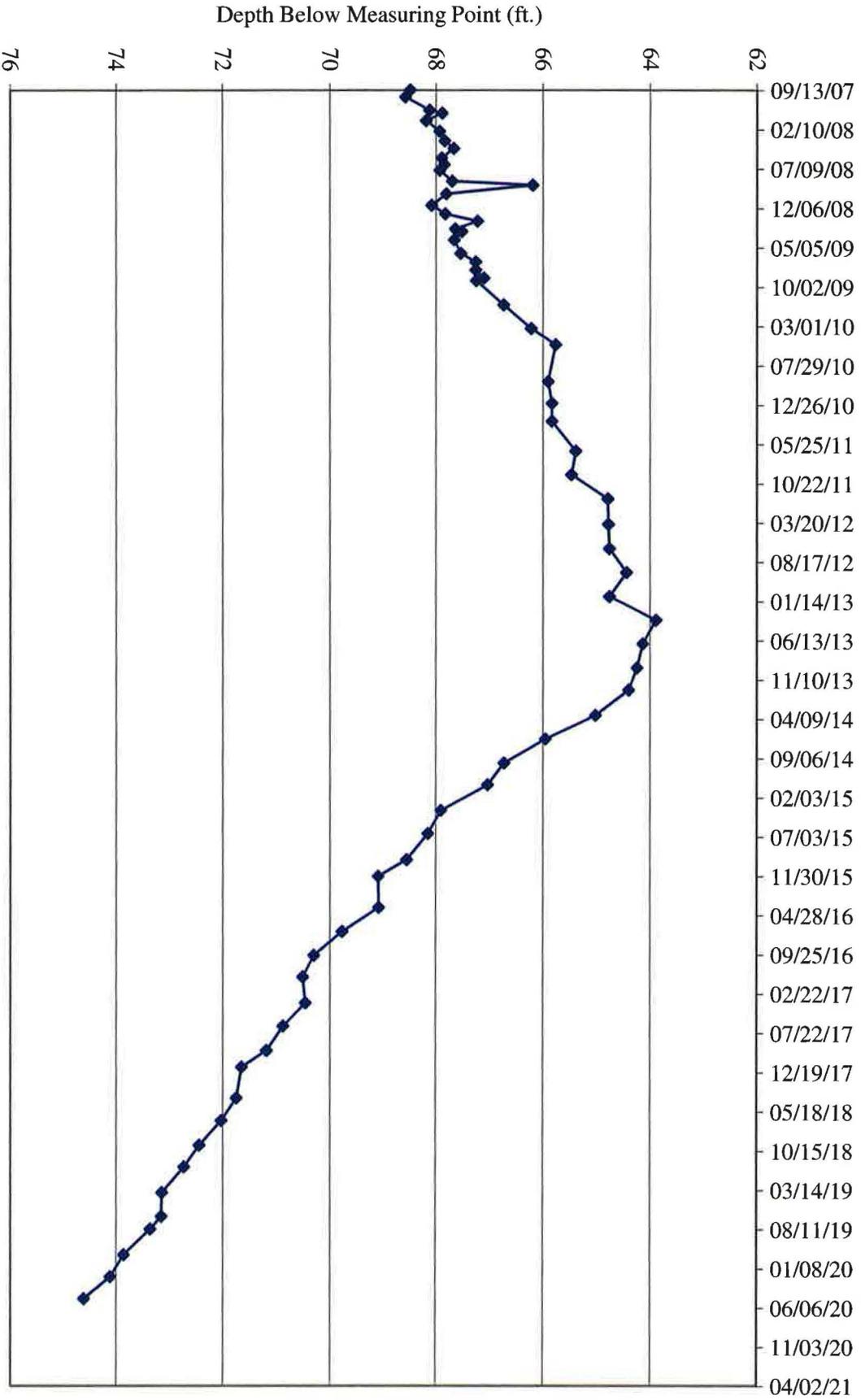
**Water Levels and Data over Time
White Mesa Mill - Well TW4-23**

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				116.4
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	
5,539.48				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				116.4
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	
5,539.22				06/22/15	68.15	66.55	
5,538.82				09/30/15	68.55	66.95	
5,538.28				12/02/15	69.09	67.49	
5,538.29				03/30/16	69.08	67.48	
5,537.60				06/30/16	69.77	68.17	
5,537.07				09/29/16	70.30	68.70	
5,536.86				12/21/16	70.51	68.91	
5,536.91				03/30/17	70.46	68.86	
5,536.49				06/27/17	70.88	69.28	
5,536.18				09/28/17	71.19	69.59	
5,535.72				11/30/17	71.65	70.05	
5,535.62				03/28/18	71.75	70.15	
5,535.34				06/22/18	72.03	70.43	
5,534.93				09/25/18	72.44	70.84	
5,534.64				12/17/18	72.73	71.13	
5,534.23				03/25/19	73.14	71.54	
5,534.22				06/24/19	73.15	71.55	
5,534.01				08/12/19	73.36	71.76	
5,533.51				11/18/19	73.86	72.26	
5,533.26				02/10/20	74.11	72.51	
5,532.76				05/04/20	74.61	73.01	

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



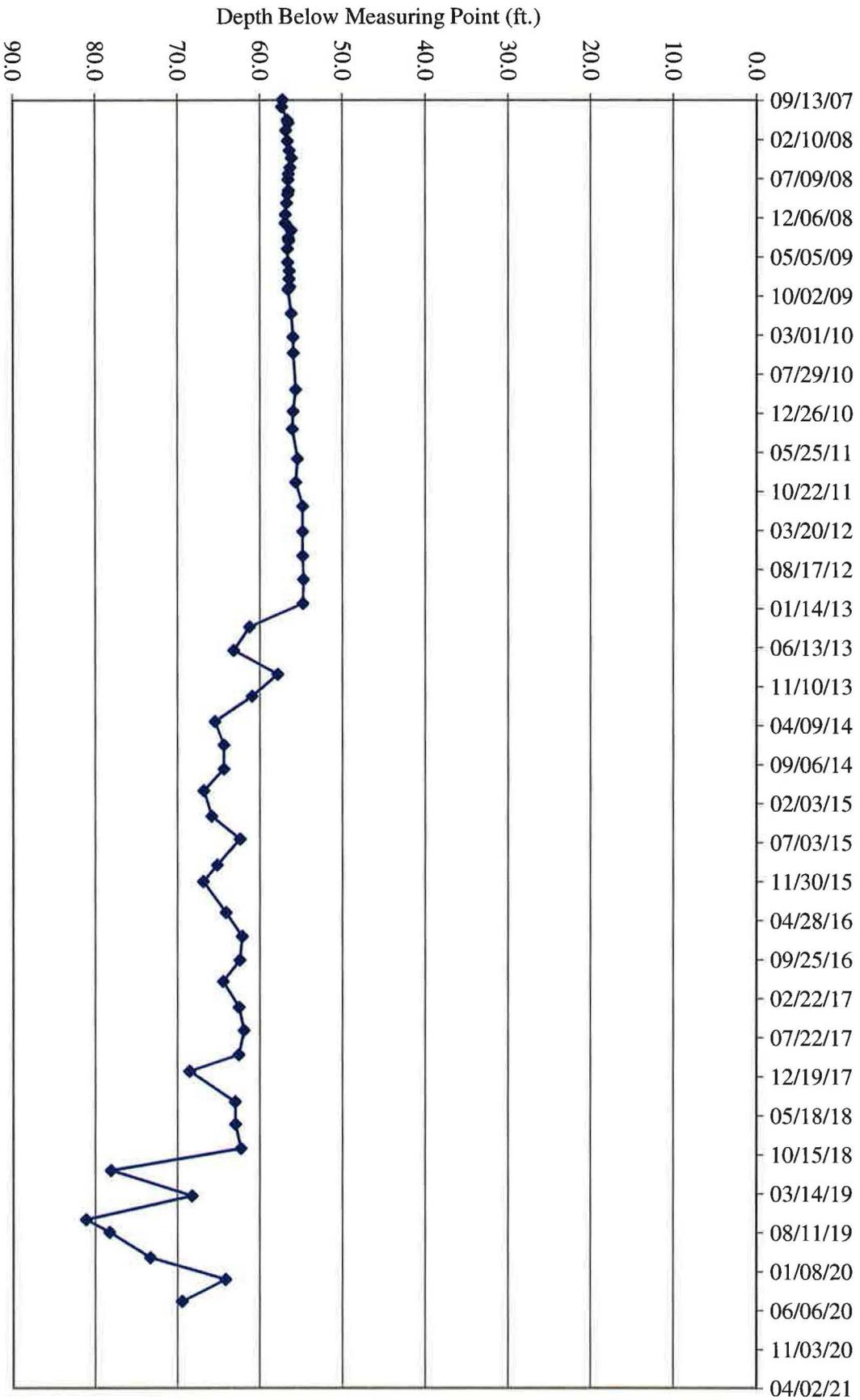
**Water Levels and Data over Time
White Mesa Mill - Well TW4-24**

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				114.8
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	
5,571.52				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				114.8
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	
5,565.38				06/22/15	62.45	60.32	
5,562.61				09/30/15	65.22	63.09	
5,560.91				12/02/15	66.92	64.79	
5,563.69				03/30/16	64.14	62.01	
5,565.64				06/30/16	62.19	60.06	
5,565.35				09/29/16	62.48	60.35	
5,563.33				12/21/16	64.50	62.37	
5,565.27				03/30/17	62.56	60.43	
5,565.86				06/27/17	61.97	59.84	
5,565.21				09/28/17	62.62	60.49	
5,559.24				11/30/17	68.59	66.46	
5,564.78				03/28/18	63.05	60.92	
5,564.83				06/22/18	63.00	60.87	
5,565.47				09/24/18	62.36	60.23	
5,549.72				12/17/18	78.11	75.98	
5,559.52				03/25/19	68.31	66.18	
5,546.68				06/24/19	81.15	79.02	
5,549.54				08/12/19	78.29	76.16	
5,554.44				11/18/19	73.39	71.26	
5,563.62				02/10/20	64.21	62.08	
5,558.32				05/04/20	69.51	67.38	

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



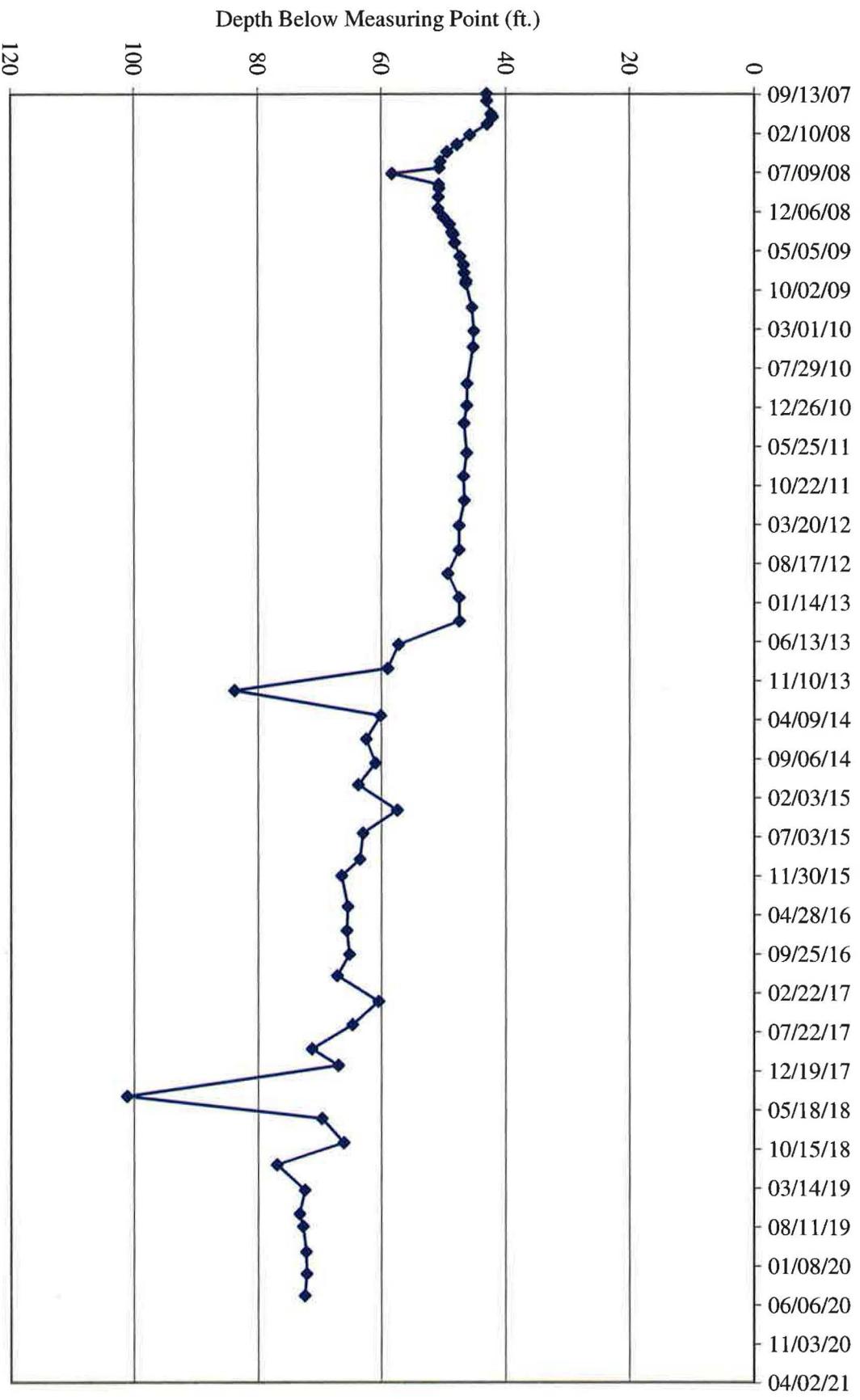
**Water Levels and Data over Time
White Mesa Mill - Well TW4-25**

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
	5,642.82	5,644.91	2.09				136.7
5,601.86				09/13/07	43.05	40.96	
5,601.89				10/10/07	43.02	40.93	
5,602.57				11/30/07	42.34	40.25	
5,602.82				12/11/07	42.09	40.00	
5,601.94				01/08/08	42.97	40.88	
5,599.13				02/18/08	45.78	43.69	
5,597.11				03/26/08	47.80	45.71	
5,595.51				04/23/08	49.40	47.31	
5594.42				05/30/08	50.49	48.40	
5,594.26				06/24/08	50.65	48.56	
5,586.67				07/16/08	58.24	56.15	
5,594.17				08/26/08	50.74	48.65	
5,594.23				09/10/08	50.68	48.59	
5,594.12				10/14/08	50.79	48.70	
5,594.06				11/26/08	50.85	48.76	
5,594.87				12/29/08	50.04	47.95	
5,595.89				01/26/09	49.02	46.93	
5,596.27				02/24/09	48.64	46.55	
5,596.47				03/06/09	48.44	46.35	
5,596.74				04/07/09	48.17	46.08	
5,597.55				05/29/09	47.36	45.27	
5,598.11				06/30/09	46.80	44.71	
5,598.22				07/31/09	46.69	44.60	
5,598.52				08/31/09	46.39	44.30	
5,598.49				09/10/09	46.42	44.33	
5,599.48				12/11/09	45.43	43.34	
5,599.75				03/11/10	45.16	43.07	
5,599.63				05/11/10	45.28	43.19	
5,598.68				09/29/10	46.23	44.14	
5,598.66				12/21/10	46.25	44.16	
5,598.18				02/28/11	46.73	44.64	
5,598.61				06/21/11	46.30	44.21	
5,598.08				09/20/11	46.83	44.74	
5,598.23				12/21/11	46.68	44.59	
5,597.41				03/27/12	47.50	45.41	
5,597.41				06/28/12	47.50	45.41	
5,595.60				09/27/12	49.31	47.22	
5,597.41				12/28/12	47.50	45.41	
5,597.43				03/28/13	47.48	45.39	
5,587.61				06/27/13	57.30	55.21	
5,585.91				09/27/13	59.00	56.91	
5,561.00				12/20/13	83.91	81.82	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-25**

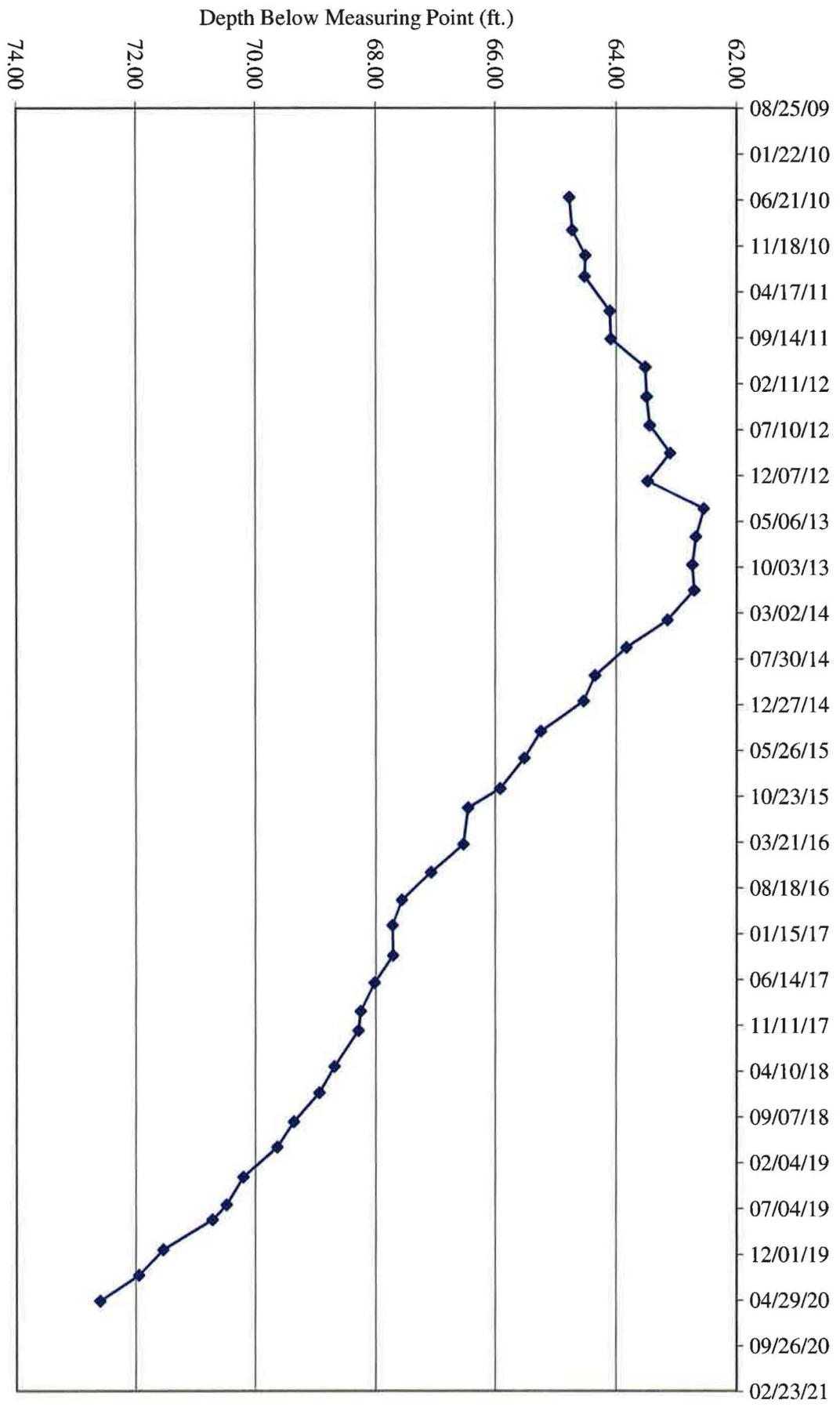
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,642.82	5,644.91	2.09				136.7
5,584.79				03/27/14	60.12	58.03	
5,582.44				06/25/14	62.47	60.38	
5,583.95				09/25/14	60.96	58.87	
5,581.13				12/17/14	63.78	61.69	
5,587.40				03/26/15	57.51	55.42	
5,581.91				06/22/15	63.00	60.91	
5,581.40				09/30/15	63.51	61.42	
5,578.42				12/02/15	66.49	64.40	
5,579.42				03/30/16	65.49	63.40	
5,579.25				06/30/16	65.66	63.57	
5,579.68				09/29/16	65.23	63.14	
5,577.73				12/21/16	67.18	65.09	
5,584.44				03/30/17	60.47	58.38	
5,580.19				06/27/17	64.72	62.63	
5,573.63				09/28/17	71.28	69.19	
5,577.88				11/30/17	67.03	64.94	
5,543.71				03/28/18	101.20	99.11	
5,575.26				06/22/18	69.65	67.56	
5,578.78				09/24/18	66.13	64.04	
5,567.86				12/17/18	77.05	74.96	
5,572.46				03/25/19	72.45	70.36	
5,571.58				06/24/19	73.33	71.24	
5,572.15				08/12/19	72.76	70.67	
5,572.66				11/18/19	72.25	70.16	
5,572.77				02/10/20	72.14	70.05	
5,572.46				05/04/20	72.45	70.36	

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



**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				87.7
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	
5,536.16				06/22/15	65.52	63.82	
5,535.76				09/30/15	65.92	64.22	
5,535.23				12/02/15	66.45	64.75	
5,535.15				03/30/16	66.53	64.83	
5,534.61				06/30/16	67.07	65.37	
5,534.12				09/29/16	67.56	65.86	
5,533.96				12/21/16	67.72	66.02	
5,533.97				03/30/17	67.71	66.01	
5,533.66				06/27/17	68.02	66.32	
5,533.43				09/28/17	68.25	66.55	
5,533.39				11/30/17	68.29	66.59	
5,532.99				03/28/18	68.69	66.99	
5,532.74				06/22/18	68.94	67.24	
5,532.32				09/25/18	69.36	67.66	
5,532.04				12/17/18	69.64	67.94	
5,531.48				03/25/19	70.20	68.50	
5,531.20				06/24/19	70.48	68.78	
5,530.96				08/12/19	70.72	69.02	
5,530.14				11/18/19	71.54	69.84	
5,529.73				02/10/20	71.95	70.25	
5,529.08				05/04/20	72.60	70.90	

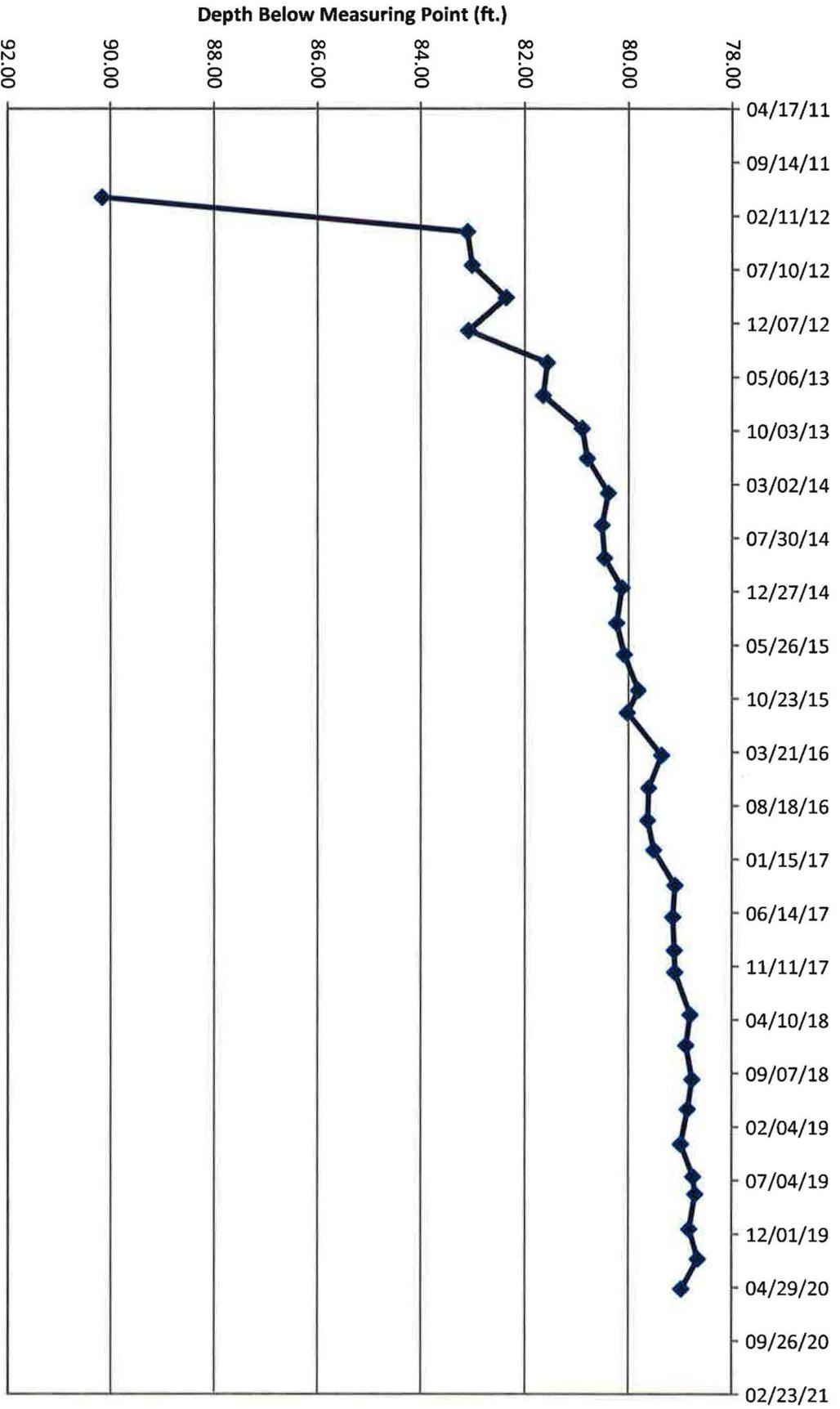


TW4-26 Water Depth Over Time (ft. blmp)

**Water Levels and Data over Time
White Mesa Mill - Well TW4-27**

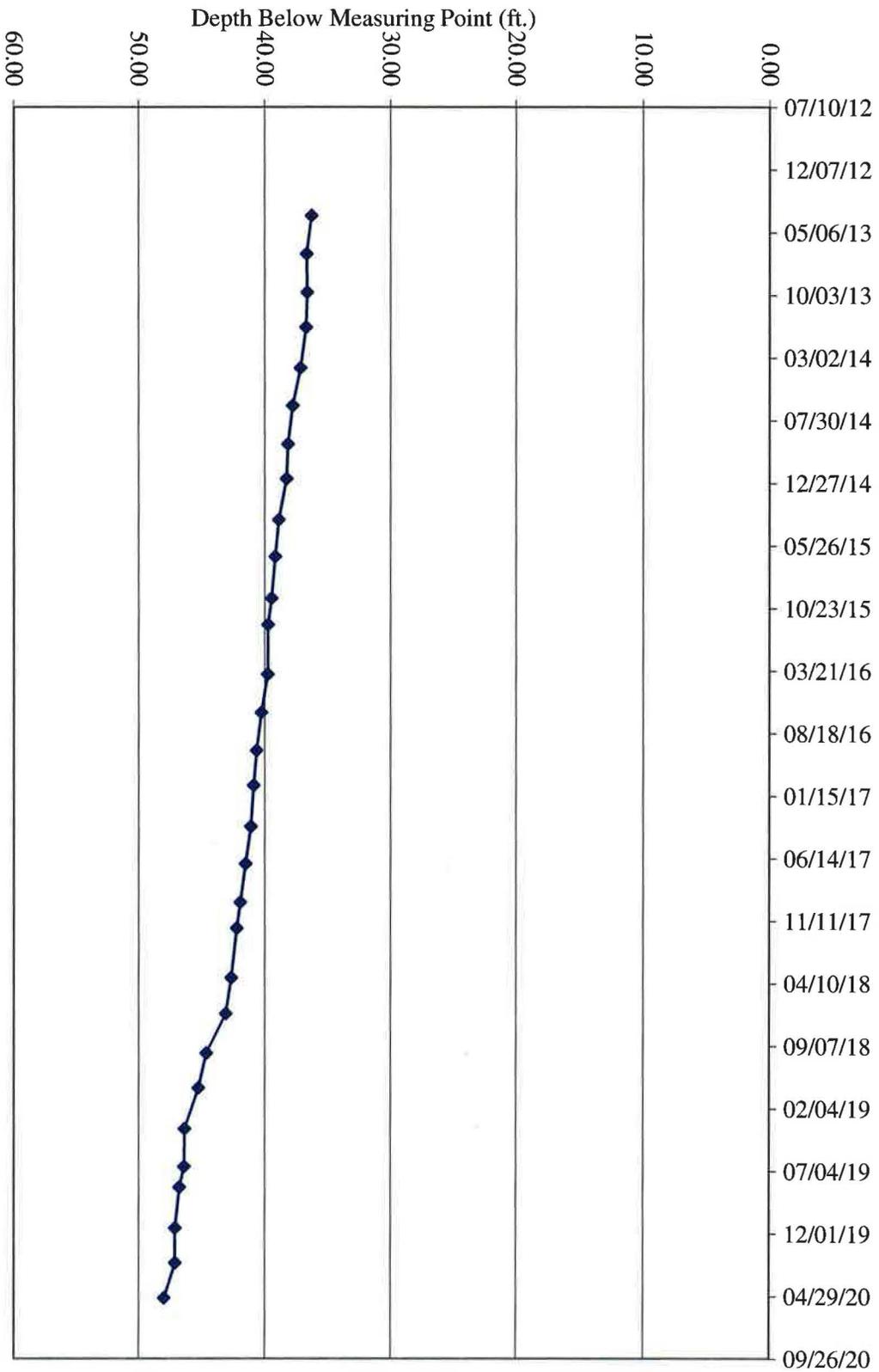
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,606.19	5,607.94	1.75				95.75
5,517.78				12/21/11	90.16	88.41	
5,524.84				03/27/12	83.10	81.35	
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	
5,527.86				06/22/15	80.08	78.33	
5,528.13				09/30/15	79.81	78.06	
5,527.92				12/02/15	80.02	78.27	
5,528.59				03/30/16	79.35	77.60	
5,528.34				06/30/16	79.60	77.85	
5,528.32				09/29/16	79.62	77.87	
5,528.44				12/21/16	79.50	77.75	
5,528.85				03/30/17	79.09	77.34	
5,528.81				06/27/17	79.13	77.38	
5,528.84				09/28/17	79.10	77.35	
5,528.85				11/29/17	79.09	77.34	
5,529.14				03/28/18	78.80	77.05	
5,529.06				06/21/18	78.88	77.13	
5,529.18				09/25/18	78.76	77.01	
5,529.09				12/17/18	78.85	77.10	
5,528.96				03/25/19	78.98	77.23	
5,529.20				06/24/19	78.74	76.99	
5,529.24				08/12/19	78.70	76.95	
5,529.12				11/18/19	78.82	77.07	
5,529.29				02/10/20	78.65	76.90	
5,528.97				05/04/20	78.97	77.22	

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



**Water Levels and Data over Time
White Mesa Mill - Well TW4-28**

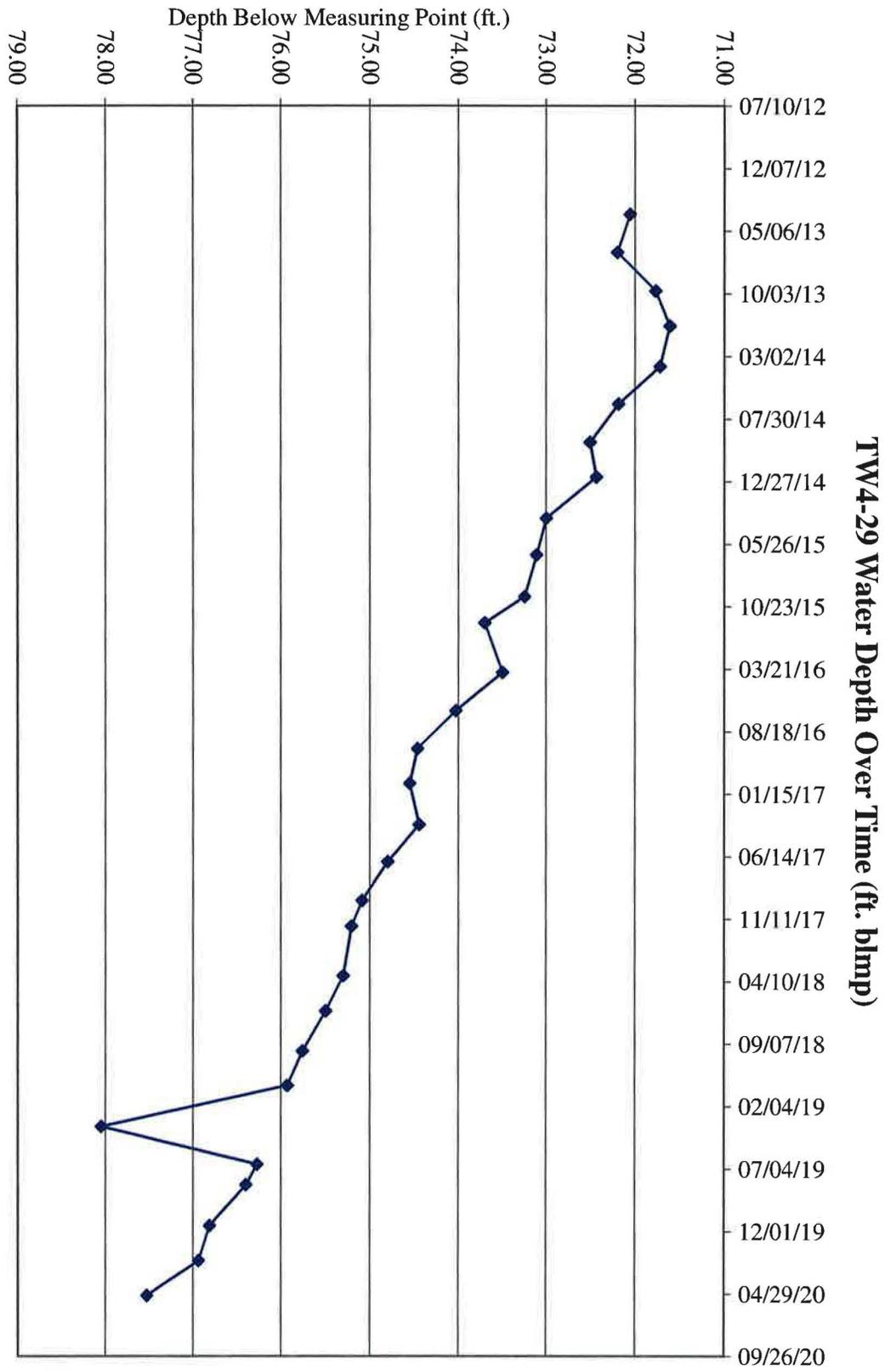
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,613.52	5,617.00	3.48				108.48
5,580.69				03/28/13	36.31	32.83	
5,580.30				06/27/13	36.70	33.22	
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	
5,577.83				06/22/15	39.17	35.69	
5,577.56				09/30/15	39.44	35.96	
5,577.27				12/02/15	39.73	36.25	
5,577.25				03/30/16	39.75	36.27	
5,576.75				06/30/16	40.25	36.77	
5,576.36				09/29/16	40.64	37.16	
5,576.13				12/21/16	40.87	37.39	
5,575.92				03/30/17	41.08	37.60	
5,575.50				06/27/17	41.50	38.02	
5,575.08				09/28/17	41.92	38.44	
5,574.80				11/29/17	42.20	38.72	
5,574.36				03/28/18	42.64	39.16	
5,573.92				06/22/18	43.08	39.60	
5,572.37				09/25/18	44.63	41.15	
5,571.74				12/17/18	45.26	41.78	
5,570.65				03/25/19	46.35	42.87	
5,570.60				06/24/19	46.40	42.92	
5,570.24				08/12/19	46.76	43.28	
5,569.87				11/18/19	47.13	43.65	
5,569.89				02/10/20	47.11	43.63	
5,569.01				05/04/20	47.99	44.51	



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

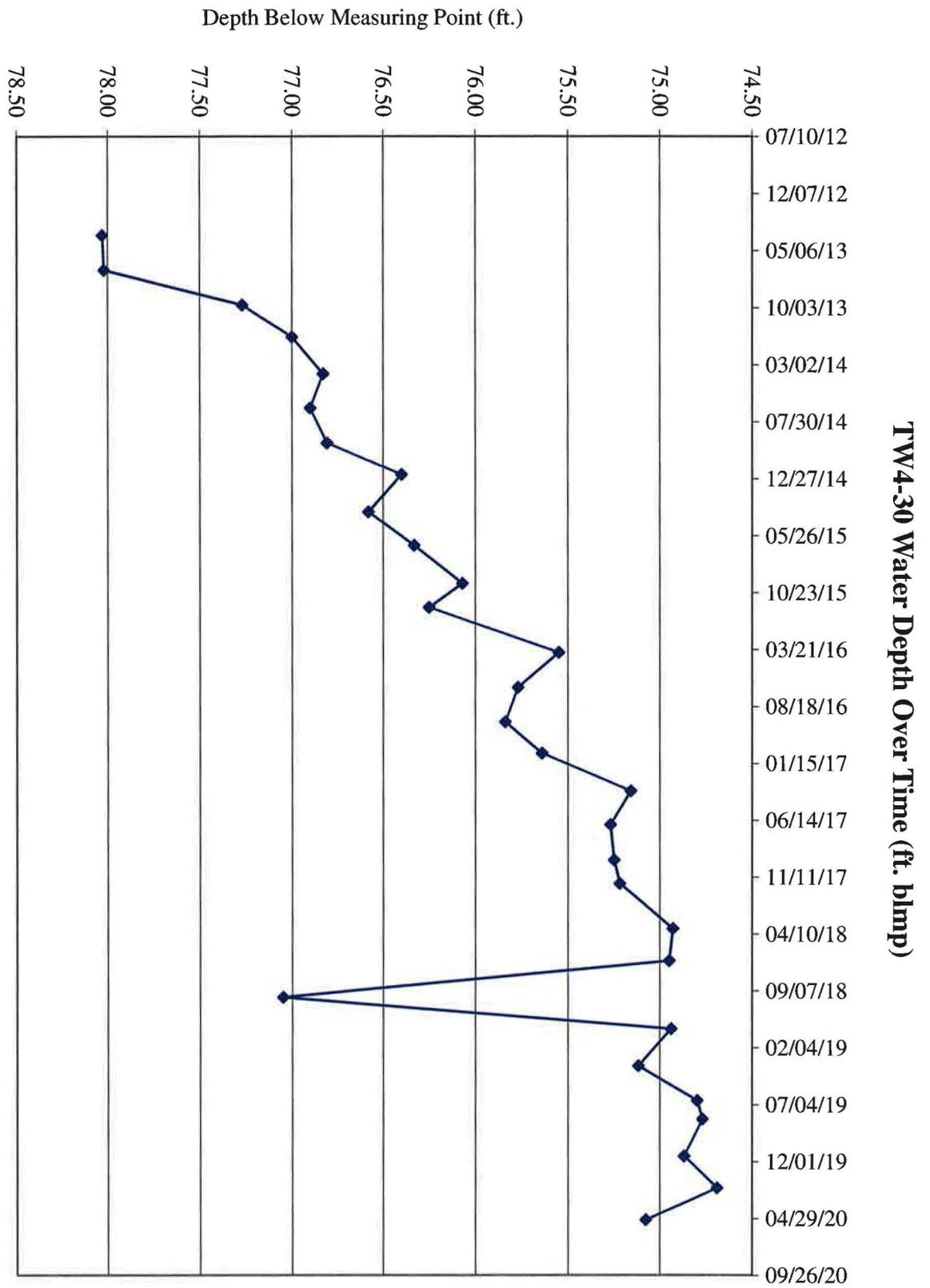
**Water Levels and Data over Time
White Mesa Mill - Well TW4-29**

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				94.48
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	
5,532.93				06/22/15	73.11	69.63	
5,532.79				09/30/15	73.25	69.77	
5,532.34				12/02/15	73.70	70.22	
5,532.54				03/30/16	73.50	70.02	
5,532.01				06/30/16	74.03	70.55	
5,531.58				09/29/16	74.46	70.98	
5,531.49				12/21/16	74.55	71.07	
5,531.60				03/30/17	74.44	70.96	
5,531.24				06/27/17	74.80	71.32	
5,530.95				09/28/17	75.09	71.61	
5,530.83				11/29/17	75.21	71.73	
5,530.74				03/28/18	75.30	71.82	
5,530.54				06/21/18	75.50	72.02	
5,530.28				09/25/18	75.76	72.28	
5,530.11				12/17/18	75.93	72.45	
5,527.99				03/25/19	78.05	74.57	
5,529.77				06/24/19	76.27	72.79	
5,529.64				08/12/19	76.40	72.92	
5,529.23				11/18/19	76.81	73.33	
5,529.10				02/10/20	76.94	73.46	
5,528.51				05/04/20	77.53	74.05	



**Water Levels and Data over Time
White Mesa Mill - Well TW4-30**

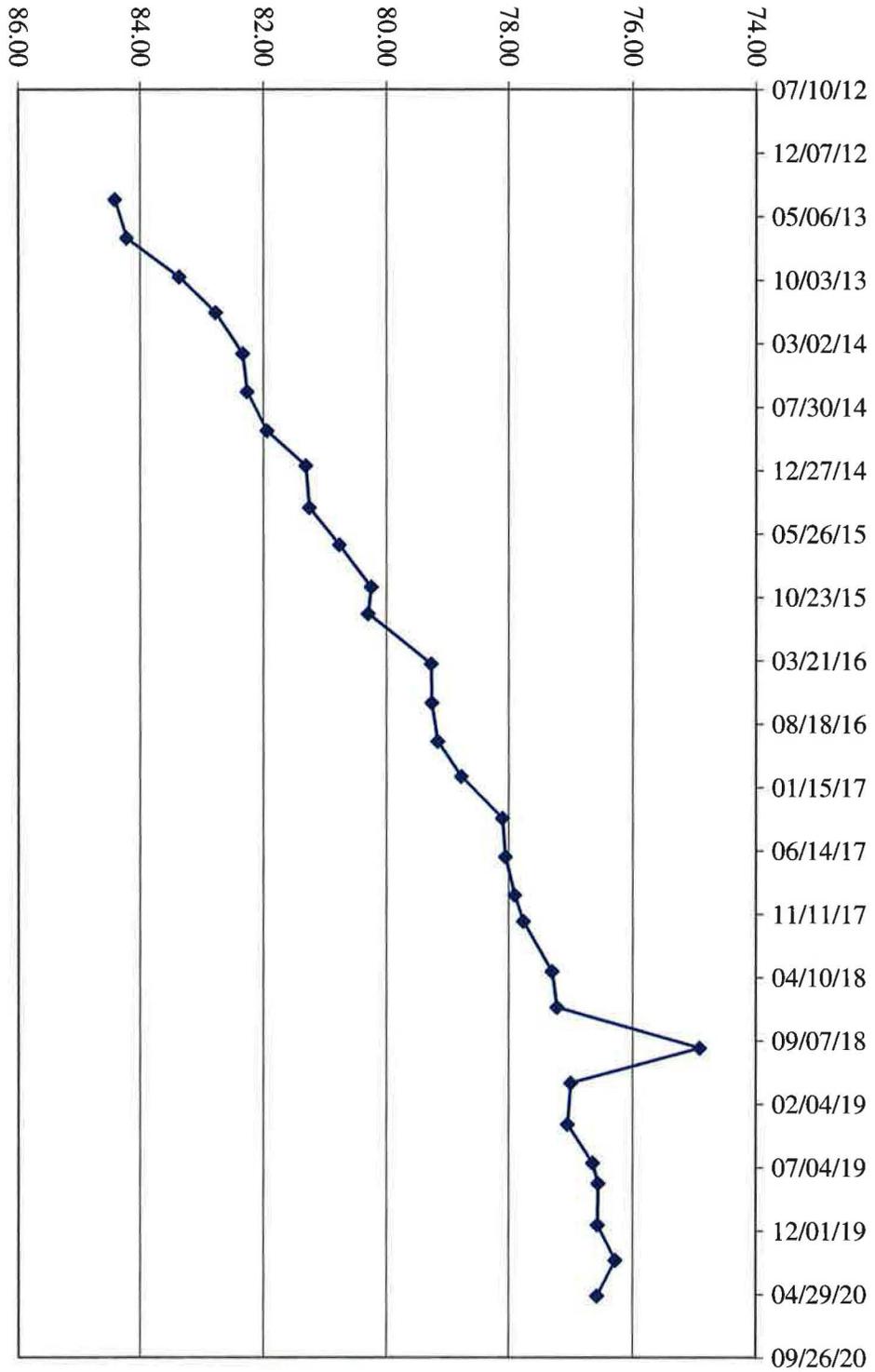
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,599.33	5,602.81	3.48				93.48
5,524.78				03/28/13	78.03	74.55	
5,524.79				06/27/13	78.02	74.54	
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	
5,526.48				06/22/15	76.33	72.85	
5,526.74				09/30/15	76.07	72.59	
5,526.56				12/02/15	76.25	72.77	
5,527.26				03/30/16	75.55	72.07	
5,527.04				06/30/16	75.77	72.29	
5,526.97				09/29/16	75.84	72.36	
5,527.17				12/21/16	75.64	72.16	
5,527.65				03/30/17	75.16	71.68	
5,527.54				06/27/17	75.27	71.79	
5,527.56				09/28/17	75.25	71.77	
5,527.59				11/29/17	75.22	71.74	
5,527.88				03/28/18	74.93	71.45	
5,527.86				06/21/18	74.95	71.47	
5,525.76				09/25/18	77.05	73.57	
5,527.87				12/17/18	74.94	71.46	
5,527.69				03/25/19	75.12	71.64	
5,528.01				06/24/19	74.80	71.32	
5,528.04				08/12/19	74.77	71.29	
5,527.94				11/18/19	74.87	71.39	
5,528.12				02/10/20	74.69	71.21	
5,527.73				05/04/20	75.08	71.6	



**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				107.48
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	
5,523.82				06/22/15	80.76	77.28	
5,524.34				09/30/15	80.24	76.76	
5,524.29				12/02/15	80.29	76.81	
5,525.32				03/30/16	79.26	75.78	
5,525.33				06/30/16	79.25	75.77	
5,525.43				09/29/16	79.15	75.67	
5,525.81				12/21/16	78.77	75.29	
5,526.48				03/30/17	78.10	74.62	
5,526.53				06/30/17	78.05	74.57	
5,526.68				09/28/17	77.90	74.42	
5,526.82				11/29/17	77.76	74.28	
5,527.28				03/28/18	77.30	73.82	
5,527.36				06/21/18	77.22	73.74	
5,529.67				09/25/18	74.91	71.43	
5,527.58				12/17/18	77.00	73.52	
5,527.53				03/25/19	77.05	73.57	
5,527.94				06/24/19	76.64	73.16	
5,528.03				08/12/19	76.55	73.07	
5,528.02				11/18/19	76.56	73.08	
5,528.30				02/10/20	76.28	72.80	
5,528.01				05/04/20	76.57	73.09	

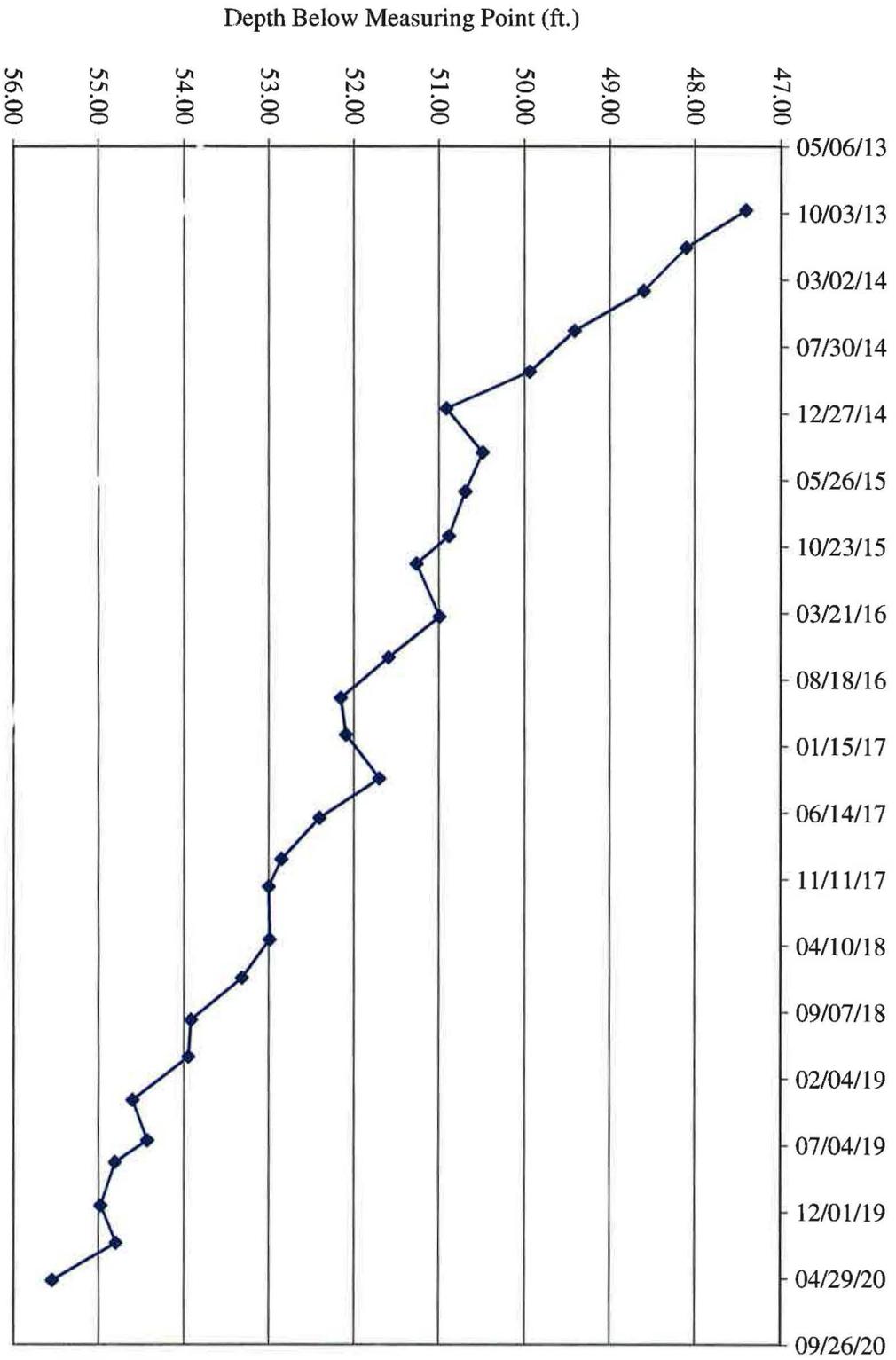
Depth Below Measuring Point (ft.)



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

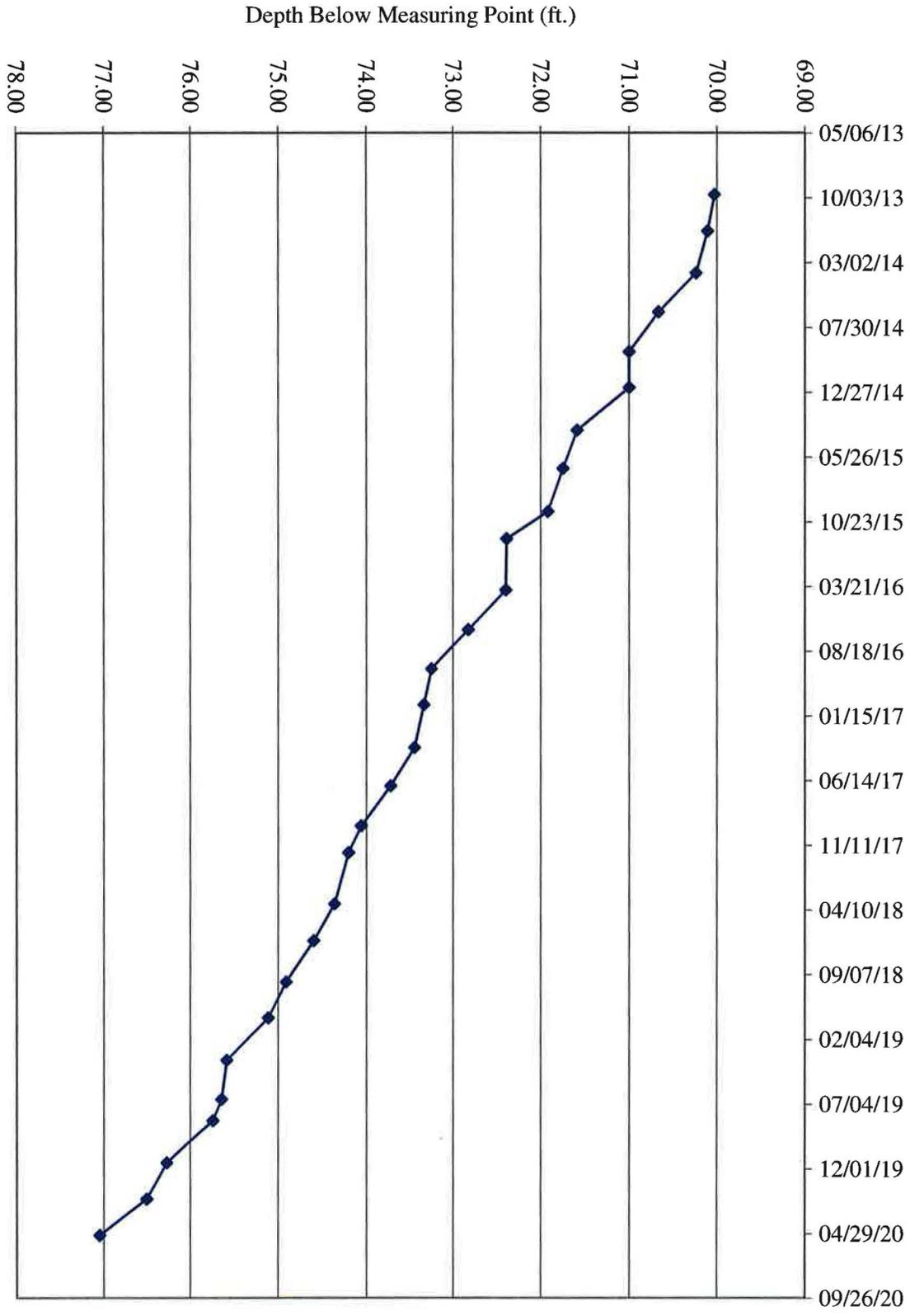
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,610.20	5,611.84	1.64				114.64
5,564.43				09/27/13	47.41	45.77	
5,563.74				12/20/13	48.10	46.46	
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	
5,561.15				06/22/15	50.69	49.05	
5,560.96				09/30/15	50.88	49.24	
5,560.58				12/02/15	51.26	49.62	
5,560.85				03/30/16	50.99	49.35	
5,560.25				06/30/16	51.59	49.95	
5,559.69				09/29/16	52.15	50.51	
5,559.75				12/21/16	52.09	50.45	
5,560.14				03/30/17	51.70	50.06	
5,559.44				06/27/17	52.40	50.76	
5,558.99				09/28/17	52.85	51.21	
5,558.84				11/29/17	53.00	51.36	
5,558.85				03/28/18	52.99	51.35	
5,558.52				06/22/18	53.32	51.68	
5,557.92				09/25/18	53.92	52.28	
5,557.89				12/17/18	53.95	52.31	
5,557.24				03/25/19	54.60	52.96	
5,557.41				06/24/19	54.43	52.79	
5,557.03				08/12/19	54.81	53.17	
5,556.86				11/18/19	54.98	53.34	
5,557.04				02/10/20	54.80	53.16	
5,556.29				05/04/20	55.55	53.91	

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



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				86.23
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	
5,534.98				06/22/15	71.75	70.22	
5,534.81				09/30/15	71.92	70.39	
5,534.34				12/02/15	72.39	70.86	
5,534.33				03/30/16	72.40	70.87	
5,533.90				06/30/16	72.83	71.30	
5,533.48				09/29/16	73.25	71.72	
5,533.39				12/21/16	73.34	71.81	
5,533.28				03/30/17	73.45	71.92	
5,533.01				06/27/17	73.72	72.19	
5,532.67				09/28/17	74.06	72.53	
5,532.53				11/29/17	74.20	72.67	
5,532.37				03/28/18	74.36	72.83	
5,532.13				06/21/18	74.60	73.07	
5,531.82				09/25/18	74.91	73.38	
5,531.61				12/17/18	75.12	73.59	
5,531.14				03/25/19	75.59	74.06	
5,531.08				06/24/19	75.65	74.12	
5,530.98				08/12/19	75.75	74.22	
5,530.45				11/18/19	76.28	74.75	
5,530.22				02/10/20	76.51	74.98	
5,529.68				05/04/20	77.05	75.52	

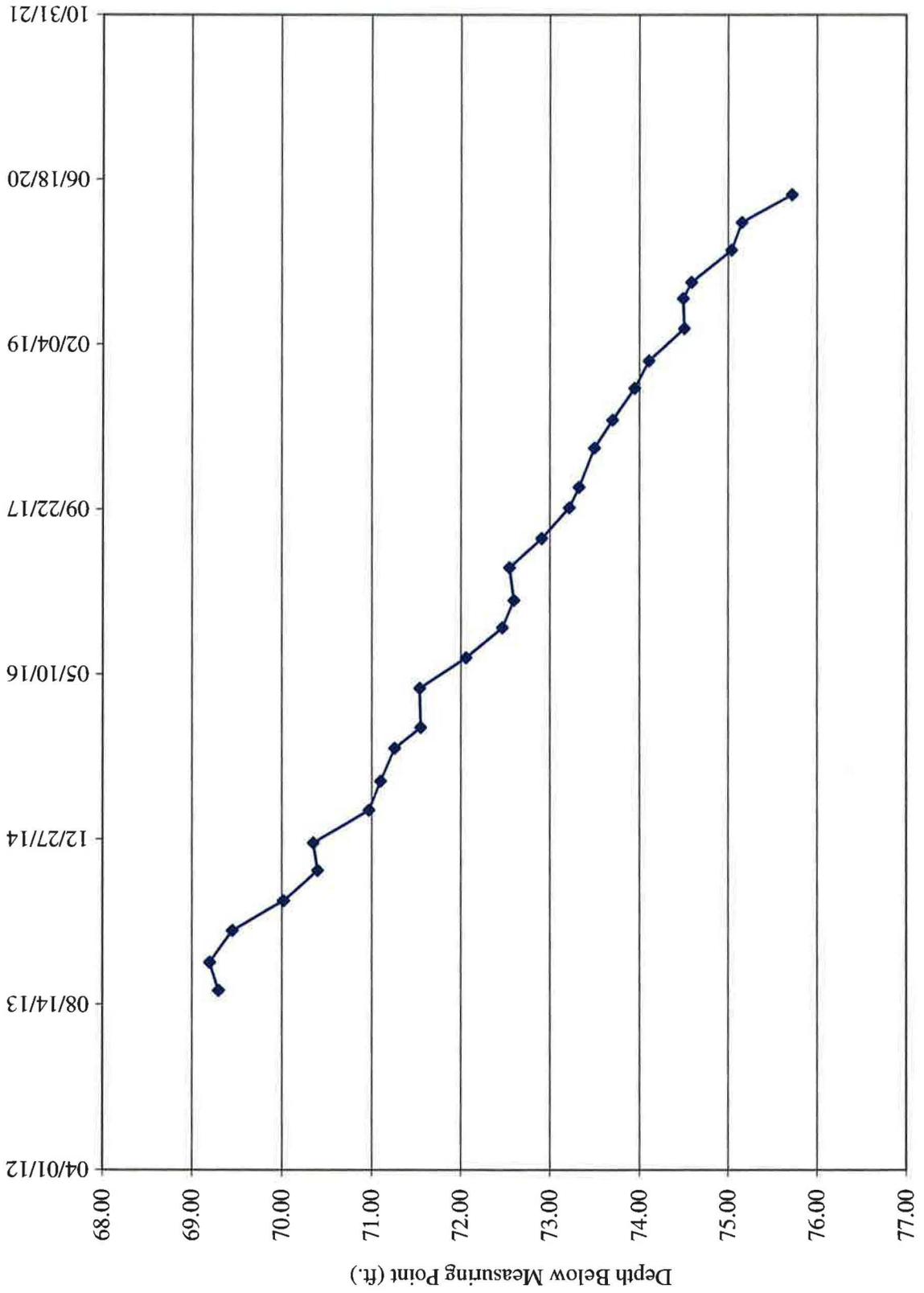


TW4-33 Water Depth Over Time (ft. blmp)

**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				95.74
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	
5,532.24				06/22/15	71.10	69.36	
5,532.08				09/30/15	71.26	69.52	
5,531.79				12/02/15	71.55	69.81	
5,531.80				03/30/16	71.54	69.80	
5,531.28				06/30/16	72.06	70.32	
5,530.87				09/29/16	72.47	70.73	
5,530.74				12/21/16	72.60	70.86	
5,530.79				03/30/17	72.55	70.81	
5,530.43				06/27/17	72.91	71.17	
5,530.12				09/28/17	73.22	71.48	
5,530.01				11/29/17	73.33	71.59	
5,529.84				03/28/18	73.50	71.76	
5,529.64				06/21/18	73.70	71.96	
5,529.39				09/25/18	73.95	72.21	
5,529.23				12/17/18	74.11	72.37	
5,528.83				03/25/19	74.51	72.77	
5,528.84				06/24/19	74.50	72.76	
5,528.75				08/12/19	74.59	72.85	
5,528.30				11/18/19	75.04	73.30	
5,528.18				02/10/20	75.16	73.42	
5,527.62				05/04/20	75.72	73.98	

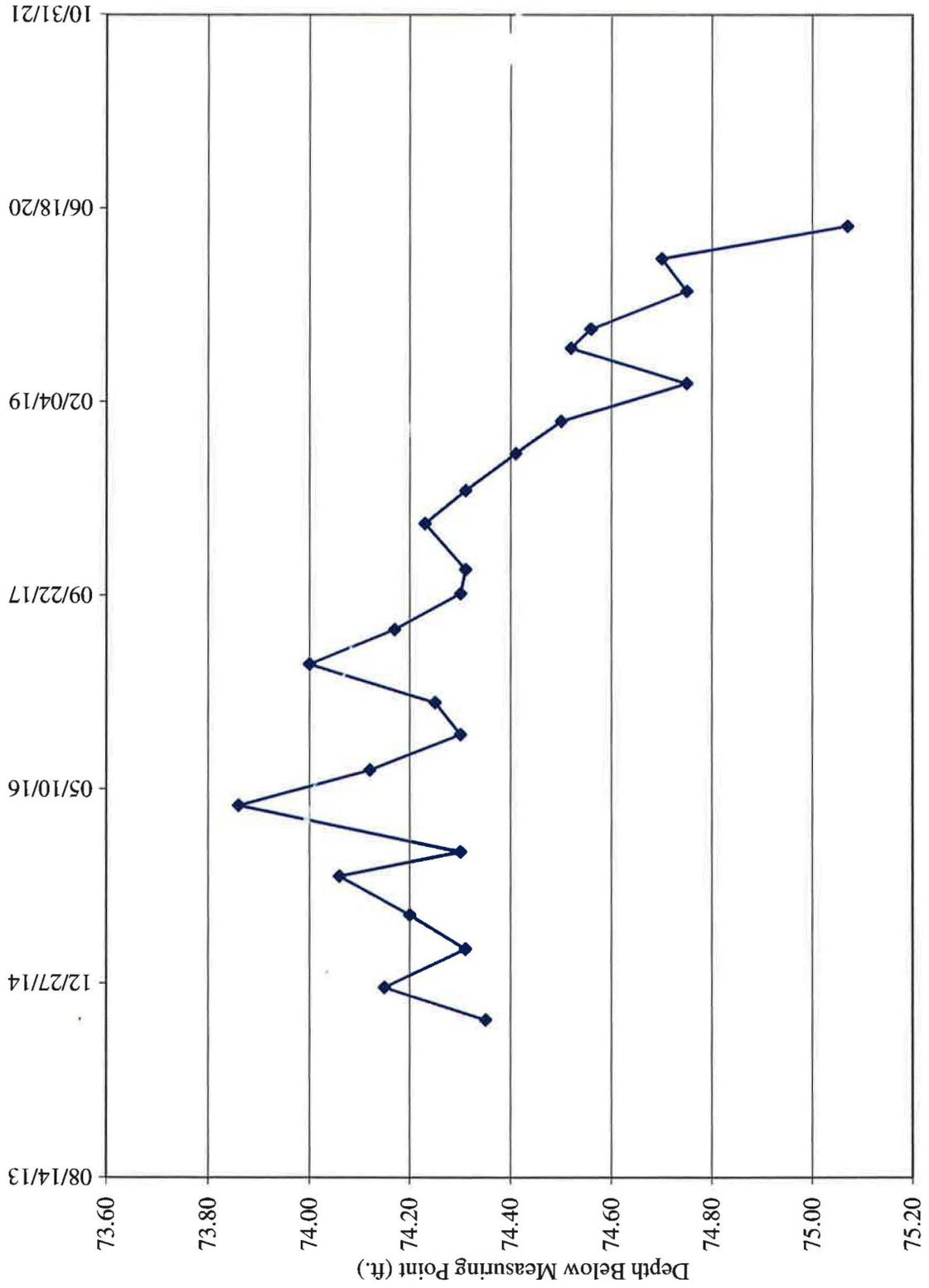
TW4-34 Water Depth Over Time (ft. blmp)



**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				86.5
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	
5,525.67				06/22/15	74.20	73.00	
5,525.81				09/30/15	74.06	72.86	
5,525.57				12/02/15	74.30	73.10	
5,526.01				03/30/16	73.86	72.66	
5,525.75				06/30/16	74.12	72.92	
5,525.57				09/29/16	74.30	73.10	
5,525.62				12/21/16	74.25	73.05	
5,525.87				03/30/17	74.00	72.80	
5,525.70				06/27/17	74.17	72.97	
5,525.57				09/28/17	74.30	73.10	
5,525.56				11/29/17	74.31	73.11	
5,525.64				03/28/18	74.23	73.03	
5,525.56				06/21/18	74.31	73.11	
5,525.46				09/25/18	74.41	73.21	
5,525.37				12/17/18	74.50	73.30	
5,525.12				03/25/19	74.75	73.55	
5,525.35				06/24/19	74.52	73.32	
5,525.31				08/12/19	74.56	73.36	
5,525.12				11/18/19	74.75	73.55	
5,525.17				02/10/20	74.70	73.50	
5,524.80				05/04/20	75.07	73.87	

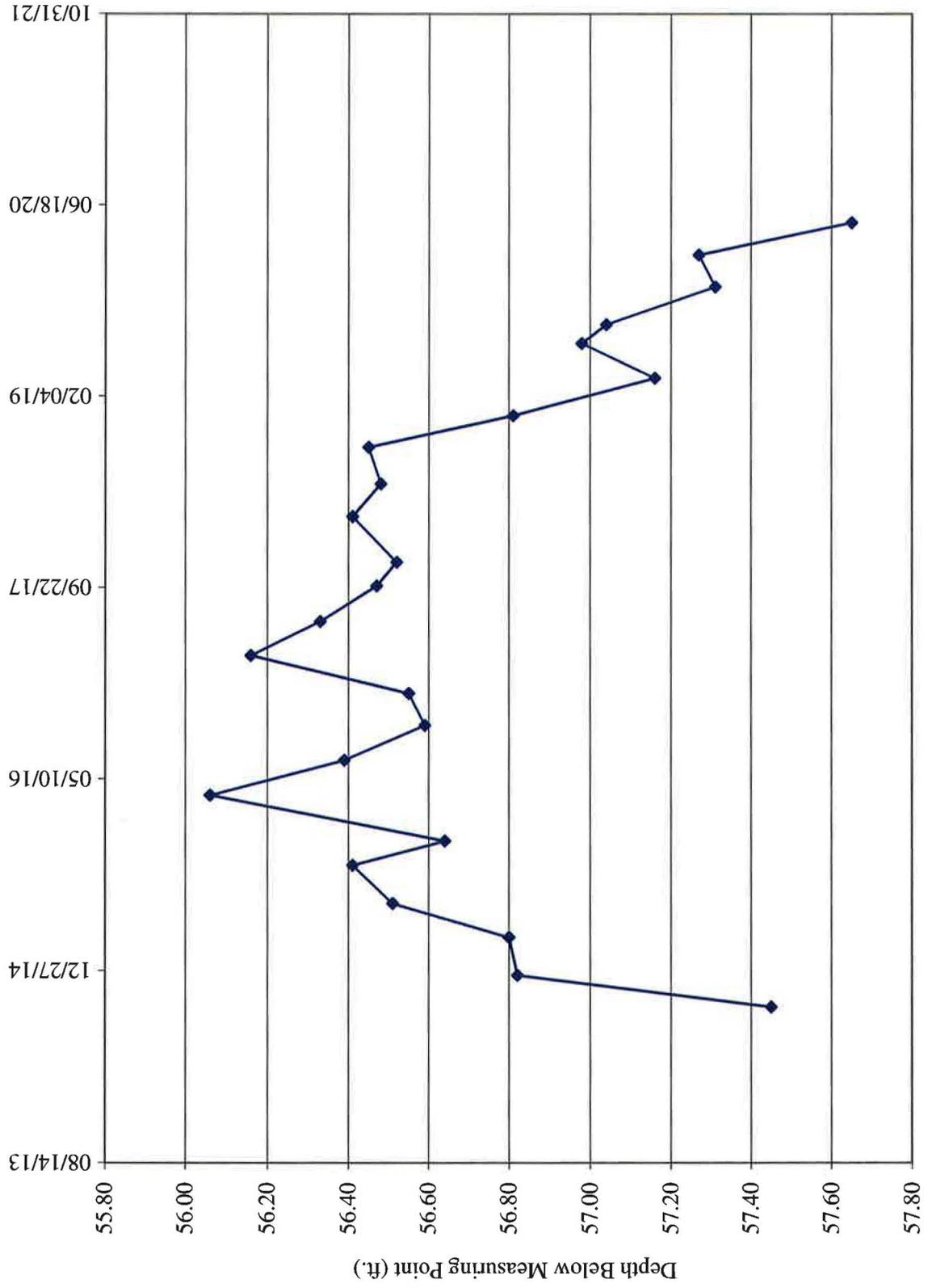
TW4-35 Water Depth Over Time (ft. blmp)



**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				99.41
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	
5,560.08				06/22/15	56.51	55.10	
5,560.18				09/30/15	56.41	55.00	
5,559.95				12/02/15	56.64	55.23	
5,560.53				03/30/16	56.06	54.65	
5,560.20				06/30/16	56.39	54.98	
5,560.00				09/29/16	56.59	55.18	
5,560.04				12/21/16	56.55	55.14	
5,560.43				03/30/17	56.16	54.75	
5,560.26				06/27/17	56.33	54.92	
5,560.12				09/28/17	56.47	55.06	
5,560.07				11/29/17	56.52	55.11	
5,560.18				03/28/18	56.41	55.00	
5,560.11				06/22/18	56.48	55.07	
5,560.14				09/25/18	56.45	55.04	
5,559.78				12/17/18	56.81	55.40	
5,559.43				03/25/19	57.16	55.75	
5,559.61				06/24/19	56.98	55.57	
5,559.55				08/12/19	57.04	55.63	
5,559.28				11/18/19	57.31	55.90	
5,559.32				02/10/20	57.27	55.86	
5,558.94				05/04/20	57.65	56.24	

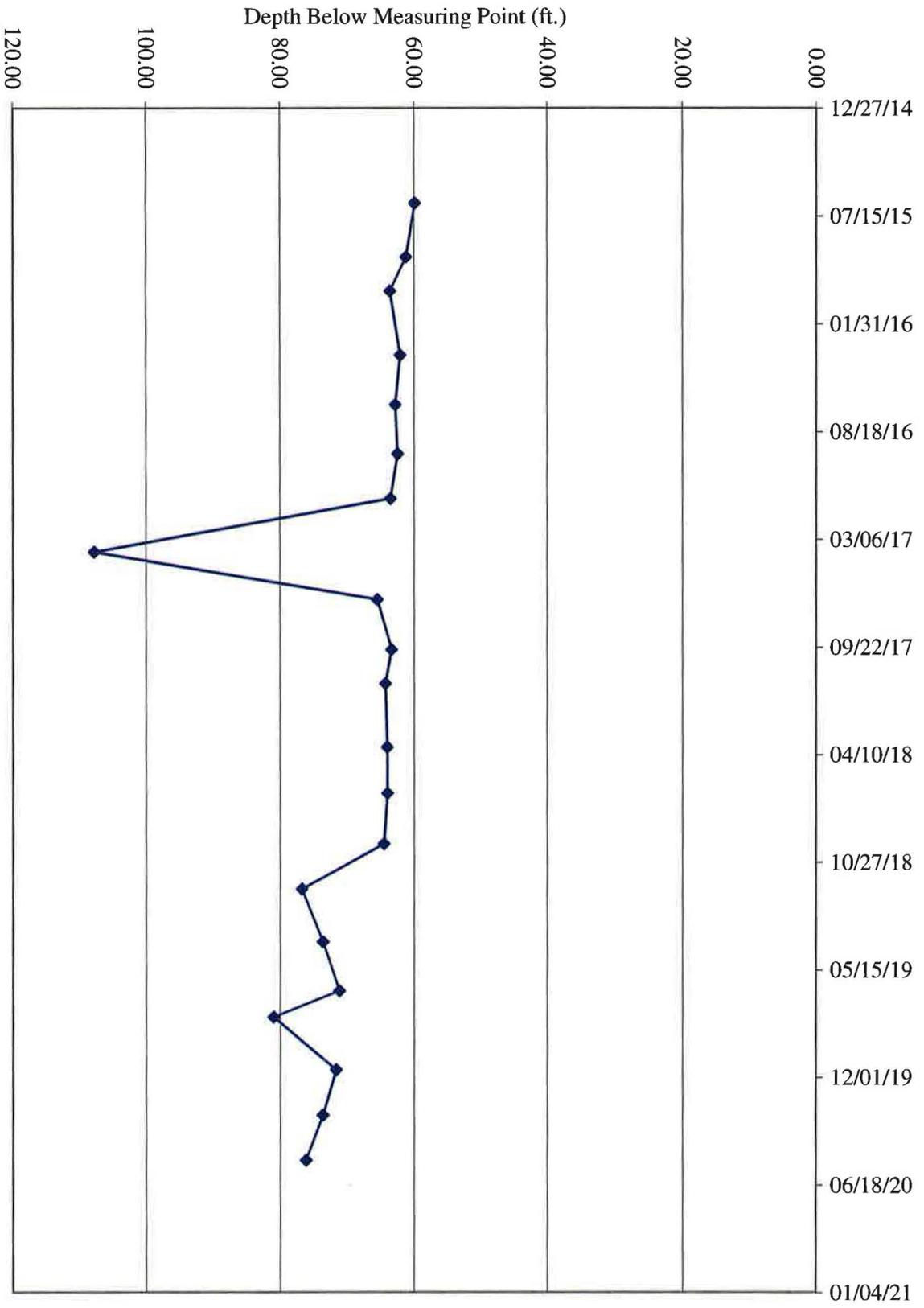
TW4-36 Water Depth Over Time (ft. blmp)



Water Levels and Data over Time
White Mesa Mill - Well TW4-37

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
	5,630.13	5,631.85	1.72				113.72
5,571.99				06/22/15	59.86	58.14	
5,570.67				09/30/15	61.18	59.46	
5,568.25				12/02/15	63.60	61.88	
5,569.80				03/30/16	62.05	60.33	
5,569.07				06/30/16	62.78	61.06	
5,569.40				09/29/16	62.45	60.73	
5,568.35				12/21/16	63.50	61.78	
5,524.05				03/30/17	107.80	106.08	
5,566.35				06/27/17	65.50	63.78	
5,568.47				09/28/17	63.38	61.66	
5,567.57				11/30/17	64.28	62.56	
5,567.83				03/28/18	64.02	62.30	
5,567.87				06/22/18	63.98	62.26	
5,567.35				09/24/18	64.50	62.78	
5,555.12				12/17/18	76.73	75.01	
5,558.24				03/25/19	73.61	71.89	
5,560.63				06/24/19	71.22	69.50	
5,550.84				08/12/19	81.01	79.29	
5,560.14				11/18/19	71.71	69.99	
5,558.17				02/10/20	73.68	71.96	
5,555.68				05/04/20	76.17	74.45	

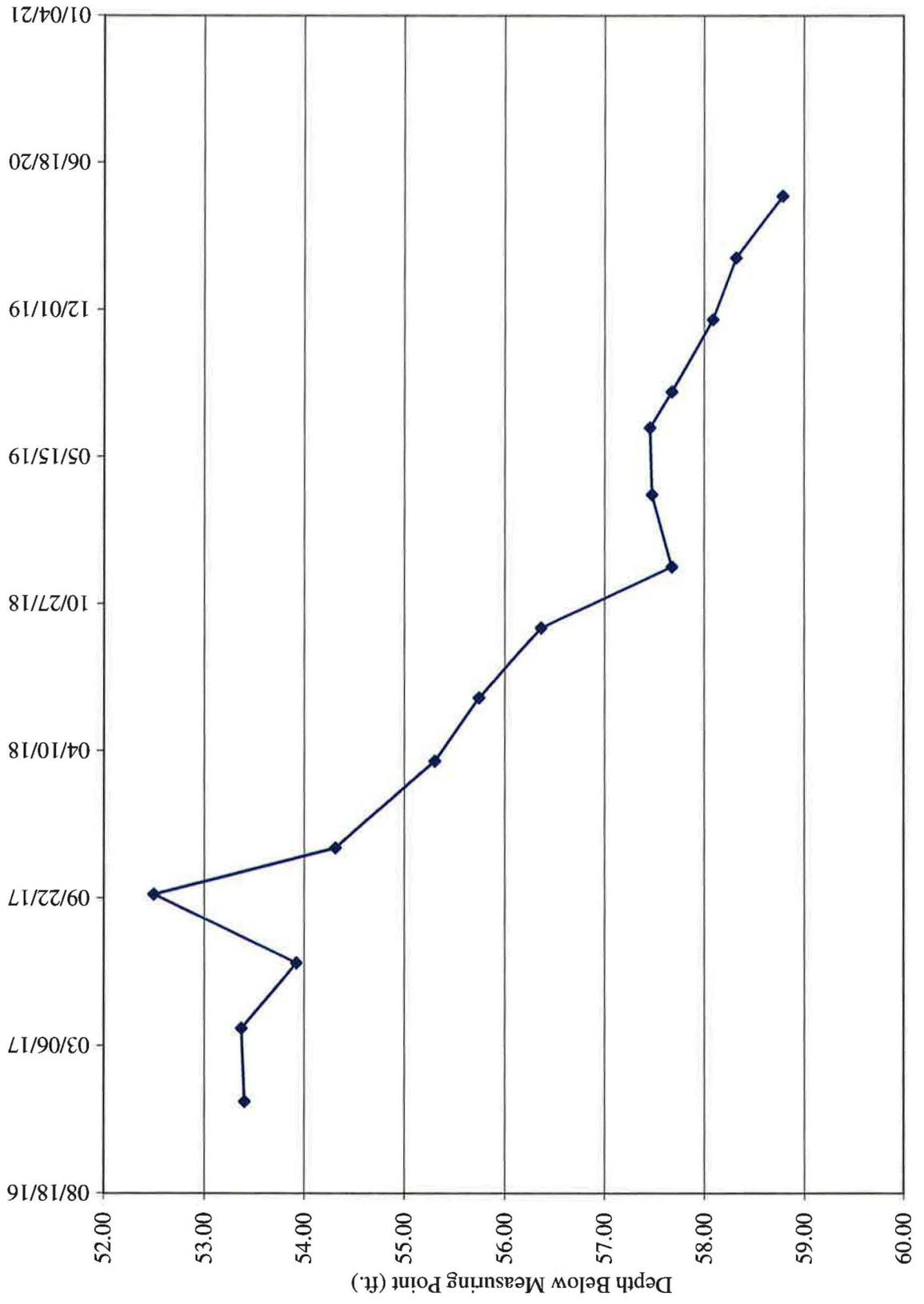
TW4-37 Water Depth Over Time (ft. blmp)



**Water Levels and Data over Time
White Mesa Mill - Well TW4-38**

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
	5,628.82	5,629.99	1.17				113.92
5,576.59				12/21/16	53.40	52.23	
5,576.62				03/30/17	53.37	52.20	
5,576.07				06/27/17	53.92	52.75	
5,577.49				09/28/17	52.50	51.33	
5,575.68				11/30/17	54.31	53.14	
5,574.69				03/28/18	55.30	54.13	
5,574.25				06/22/18	55.74	54.57	
5,573.63				09/25/18	56.36	55.19	
5,572.31				12/17/18	57.68	56.51	
5,572.51				03/25/19	57.48	56.31	
5,572.53				06/24/19	57.46	56.29	
5,572.31				08/12/19	57.68	56.51	
5,571.90				11/18/19	58.09	56.92	
5,571.67				02/10/20	58.32	57.15	
5,571.20				05/04/20	58.79	57.62	

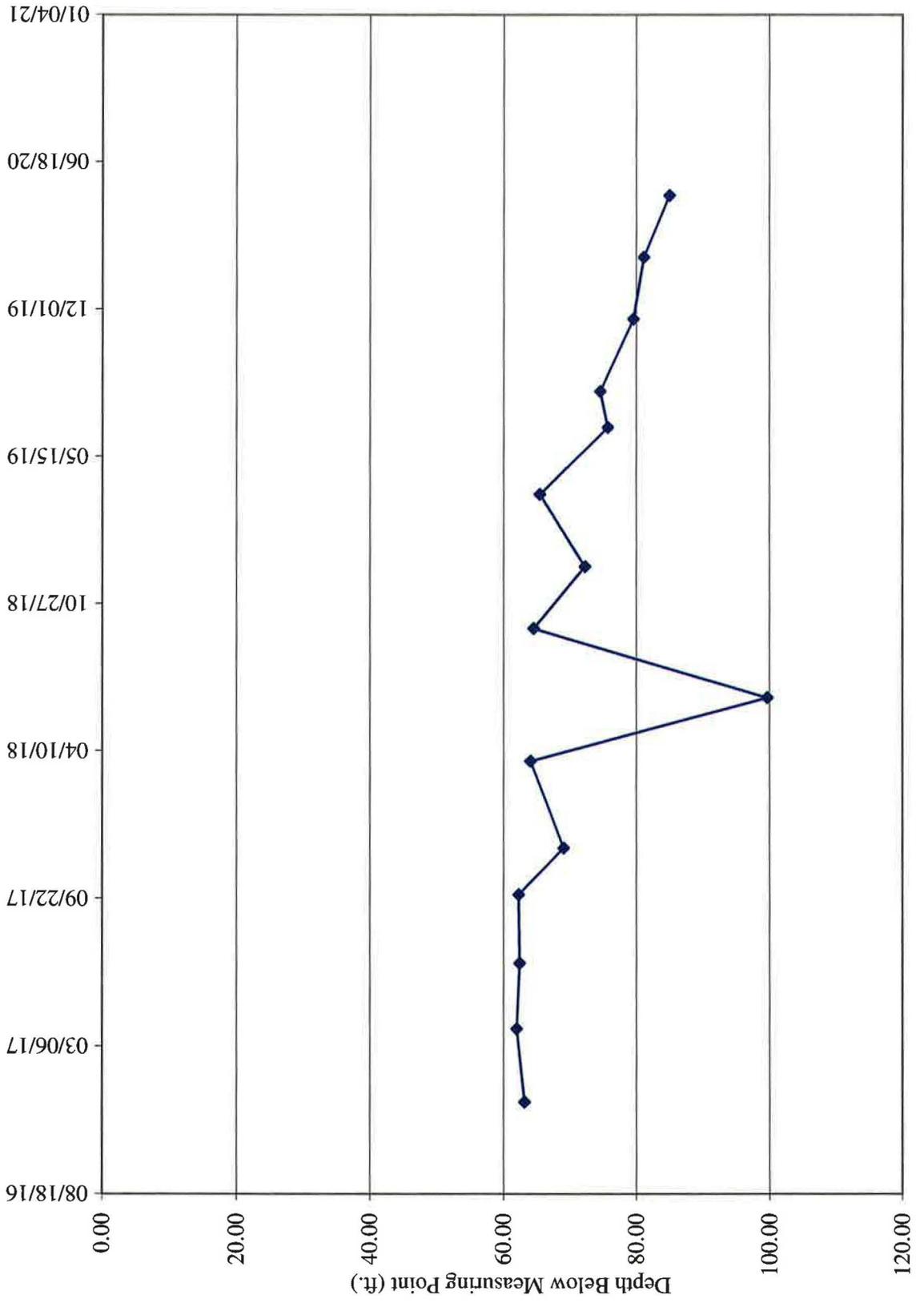
TW4-38 Water Depth Over Time (ft. blmp)



**Water Levels and Data over Time
White Mesa Mill - Well TW4-39**

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
	5,628.82	5,629.56	0.74				120.74
5,566.39				12/21/16	63.17	62.43	
5,567.57				03/30/17	61.99	61.25	
5,567.11				06/27/17	62.45	61.71	
5,567.26				09/28/17	62.30	61.56	
5,560.52				11/30/17	69.04	68.30	
5,565.51				03/28/18	64.05	63.31	
5,529.91				06/22/18	99.65	98.91	
5,565.04				09/24/18	64.52	63.78	
5,557.32				12/17/18	72.24	71.50	
5,564.12				03/25/19	65.44	64.70	
5,553.85				06/24/19	75.71	74.97	
5,555.03				08/12/19	74.53	73.79	
5,549.98				11/18/19	79.58	78.84	
5,548.39				02/10/20	81.17	80.43	
5,544.51				05/04/20	85.05	84.31	

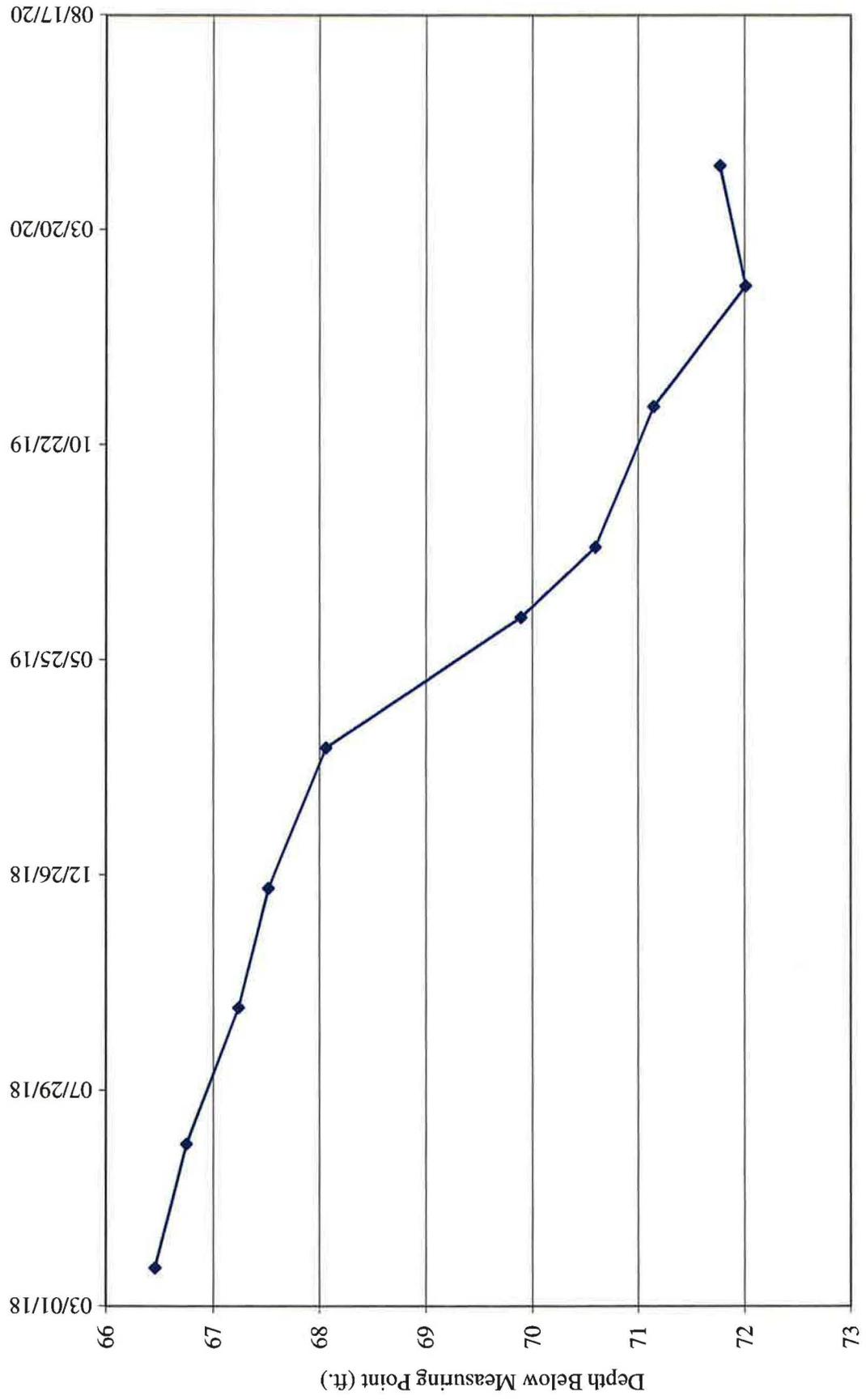
TW4-39 Water Depth Over Time (ft. blmp)



**Water Levels and Data over Time
White Mesa Mill - Well TW4-40**

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
	5,595.66	5,597.58	1.92				86
5,531.12				03/28/18	66.46	64.54	
5,530.83				06/22/18	66.75	64.83	
5,530.34				09/25/18	67.24	65.32	
5,530.06				12/17/18	67.52	65.60	
5,529.52				03/25/19	68.06	66.14	
5,527.69				06/24/19	69.89	67.97	
5,526.98				08/12/19	70.60	68.68	
5,526.43				11/18/19	71.15	69.23	
5,525.57				02/10/20	72.01	70.09	
5,525.81				05/04/20	71.77	69.85	

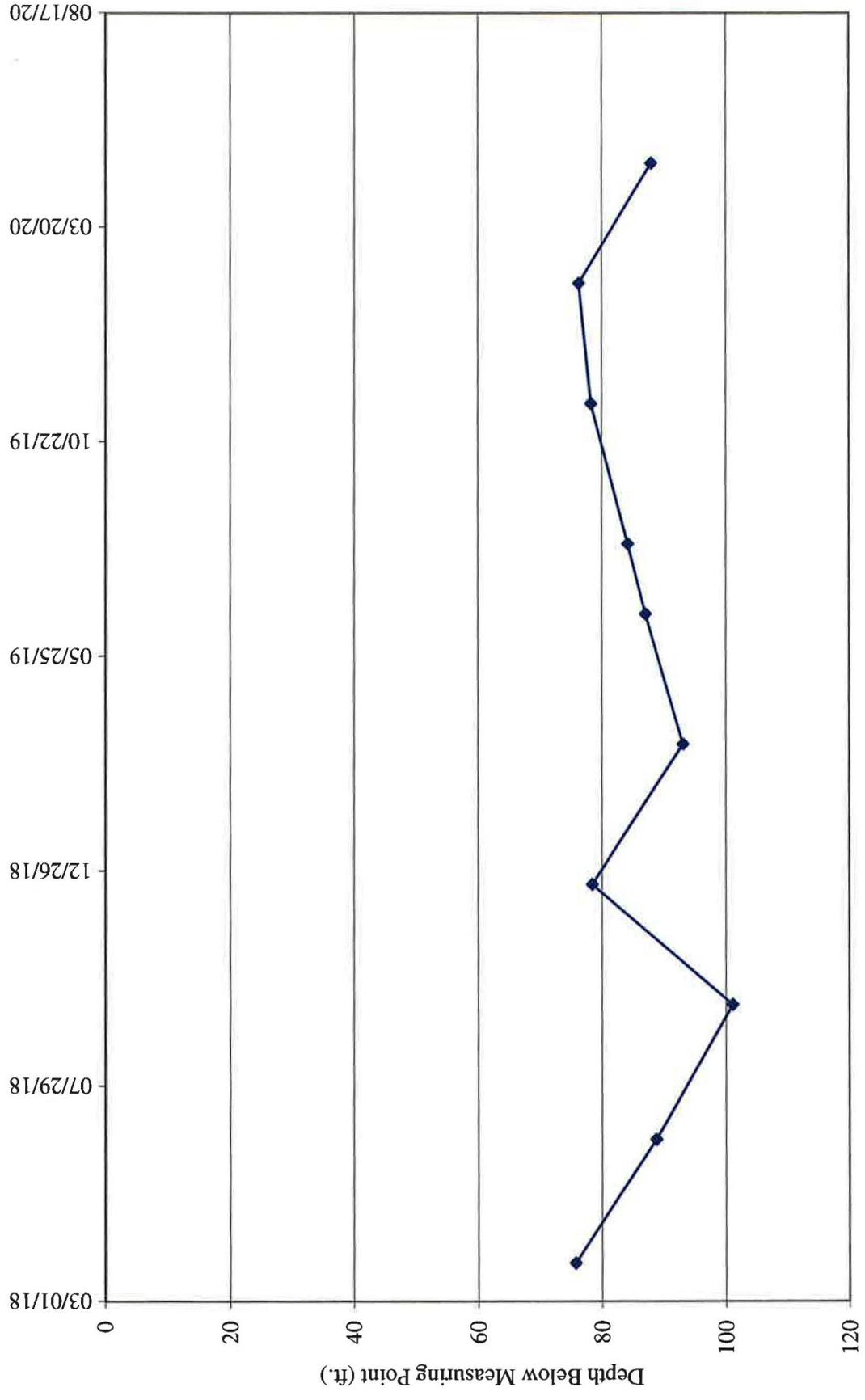
TW4-40 Water Depth Over Time (ft. blmp)



**Water Levels and Data over Time
White Mesa Mill - Well TW4-41**

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
	5,613.31	5,614.96	1.65				97.8
5,539.24				03/28/18	75.72	74.07	
5,526.18				06/22/18	88.78	87.13	
5,513.86				09/24/18	101.10	99.45	
5,536.53				12/17/18	78.43	76.78	
5,521.88				03/25/19	93.08	91.43	
5,527.89				06/24/19	87.07	85.42	
5,530.75				08/12/19	84.21	82.56	
5,536.69				11/18/19	78.27	76.62	
5,538.67				02/10/20	76.29	74.64	
5,526.94				05/04/20	88.02	86.37	

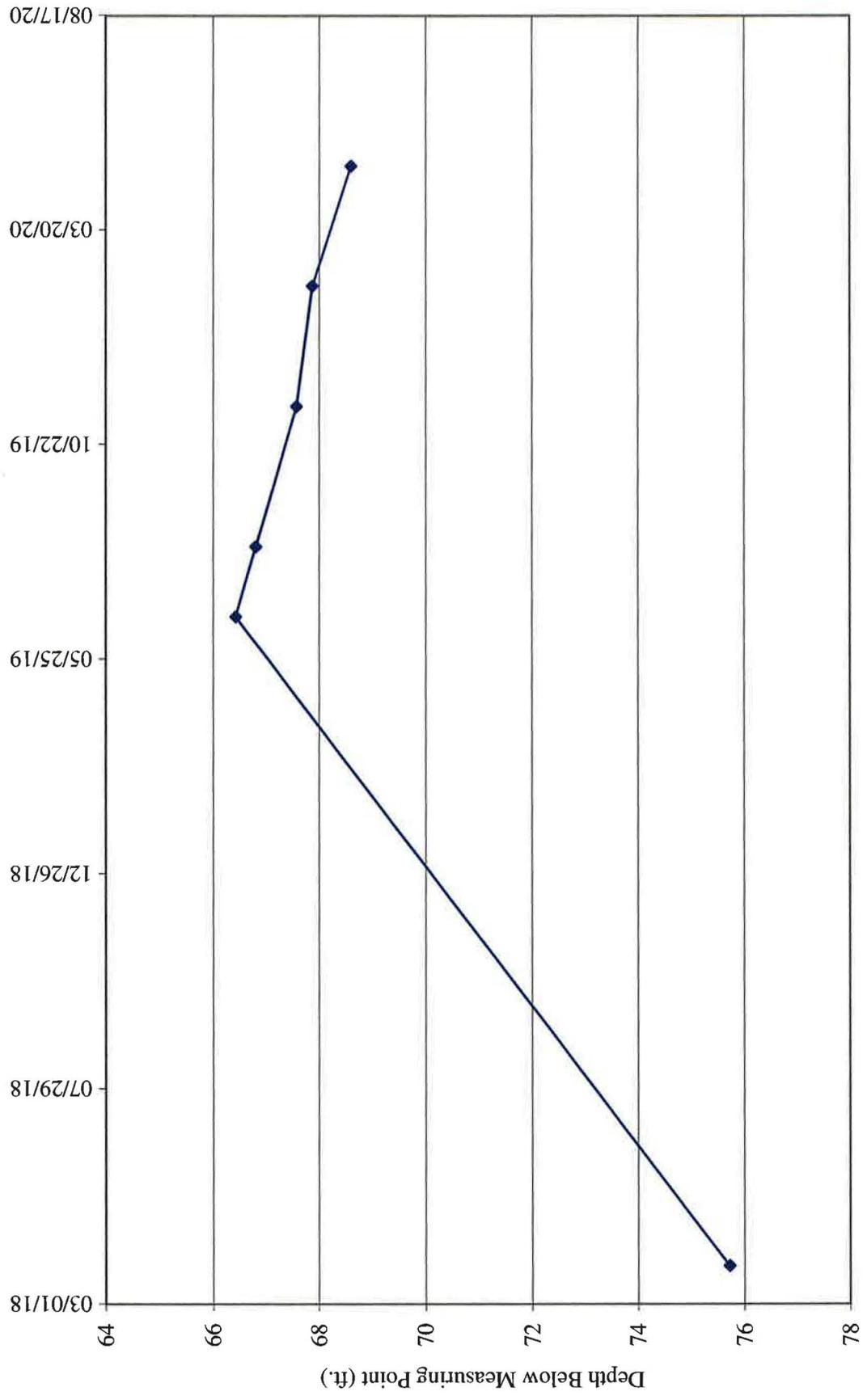
TW4-41 Water Depth Over Time (ft. blmp)



**Water Levels and Data over Time
White Mesa Mill - Well TW4-42**

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
	5,592.39	5,594.70	2.31				86.0
5,518.98				03/28/18	75.72	73.41	
5,528.28				06/24/19	66.42	64.11	
5,527.90				08/12/19	66.80	64.49	
5,527.13				11/18/19	67.57	65.26	
5,526.83				02/10/20	67.87	65.56	
5,526.10				05/04/20	68.60	66.29	

TW4-42 Water Depth Over Time (ft. blmp)



Tab G

Chloroform Mass Removed and Volume Pumped in Chloroform Pumping Wells over Time

Table G-1
 Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	MW-4						TW4-15 (formerly MW-26)					
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2007	1307110	3370	4947411.4	1.6673E+10	16673	36.8	930510	1660	3521980.4	5846487381	5846	12.9
Q2 2007	81230	2000	307455.6	614911100	615	1.4	54400	300	205904.0	61771200	62	0.1
Q3 2007	100700	2600	381149.5	990988700	991	2.2	72080	1400	272822.8	381951920	382	0.8
Q4 2007	90830	2300	343791.6	790720565	791	1.7	61750	2000	233723.8	467447500	467	1.0
Q1 2008	83950	2400	317750.8	762601800	763	1.7	47780	930	180847.3	168187989	168	0.4
Q2 2008	62780	2500	237622.3	594055750	594	1.3	44840	1300	169719.4	220635220	221	0.5
Q3 2008	81400	1800	308099.0	554578200	555	1.2	61280	630	231944.8	146125224	146	0.3
Q4 2008	91320	1700	345646.2	587598540	588	1.3	55700	630	210824.5	132819435	133	0.3
Q1 2009	90710	2200	343337.4	755342170	755	1.7	52970	950	200491.5	190466878	190	0.4
Q2 2009	450040	1800	1703401.4	3066122520	3066	6.8	58050	410	219719.3	90084892.5	90	0.2
Q3 2009	90420	2000	342239.7	684479400	684	1.5	57610	850	218053.9	185345773	185	0.4
Q4 2009	322380	1800	1220208.3	2196374940	2196	4.8	61960	1100	234518.6	257970460	258	0.6
Q1 2010	68125	1600	257853.1	412565000	413	0.9	61320	780	232096.2	181035036	181	0.4
Q2 2010	84005.33	2100	317960.2	667716366	668	1.5	60500	1900	228992.5	435085750	435	1.0
Q3 2010	79859.1	1900	302266.7	574306718	574	1.3	63850	2200	241672.3	531678950	532	1.2
Q4 2010	90042.2	1500	340809.7	511214591	511	1.1	60180	970	227781.3	220947861	221	0.5
Q1 2011	76247.6	1700	288597.2	490615182	491	1.1	55130	450	208667.1	93900172.5	94	0.2
Q2 2011	85849.3	1700	324939.6	552397321	552	1.2	55800.6	1800	211205.3	380169488	380	0.8
Q3 2011	85327.7	1700	322965.3	549041086	549	1.2	65618	720	248364.1	178822174	179	0.4
Q4 2011	89735.0	1600	339647.0	543435160	543	1.2	50191.3	1800	189974.1	341953327	342	0.8
Q1 2012	90376.4	1500	342074.7	513112011	513	1.1	31440.1	2400	119000.8	285601868	286	0.6
Q2 2012	90916.5	1400	344118.8	481766269	482	1.1	26701.2	3000	101064.1	303192353	303	0.7
Q3 2012	91607.0	1500	346732.5	520098743	520	1.1	25246	3100	95556.1	296223941	296	0.7
Q4 2012	78840.0	1300	298409.4	387932220	388	0.9	30797	1200	116566.6	139879974	140	0.3
Q1 2013	62943.7	1670	238241.9	397863981	398	0.9	22650.7	2120	85732.9	181753747	182	0.4
Q2 2013	71187.3	1490	269443.9	401471456	401	0.9	25343.4	4030	95924.8	386576819	387	0.9
Q3 2013	72898.8	1520	275922.0	419401376	419	0.9	25763	2940	97513.0	286688088	287	0.6
Q4 2013	70340.4	1410	266238.4	375396164	375	0.8	24207.6	1410	91625.8	129192330	129	0.3
Q1 2014	69833.8	1390	264320.9	367406097	367	0.8	23263.1	1400	88050.8	123271167	123	0.3
Q2 2014	71934.9	1390	272273.6	378460299	378	0.8	23757.5	1960	89922.1	176247390	176	0.4
Q3 2014	74788.2	1490	283073.3	421779272	422	0.9	24062.4	2120	91076.2	193081510	193	0.4
Q4 2014	63093.0	1440	238807.0	343882087	344	0.8	21875.8	2090	82799.9	173051797	173	0.4
Q1 2015	76454.3	1400	289379.5	405131336	405	0.9	24004.9	1980	90858.5	179899922	180	0.4
Q2 2015	60714.7	1300	229805.1	298746681	299	0.7	27804.6	1980	105240.4	208376014	208	0.5
Q3 2015	89520.8	1290	338836.2	437098734	437	1.0	21042.0	2350	79644.0	187163330	187	0.4
Q4 2015	99633.4	1200	377112.4	452534903	453	1.0	19355.6	2680	73260.9	196339335	196	0.4
Q1 2016	90882.1	1240	343988.7	426546048	427	0.9	19150.8	2650	72485.8	192087312	192	0.4
Q2 2016	96540.5	1580	365405.8	577341152	577	1.3	22105.7	2220	83670.1	185747565	186	0.4
Q3 2016	79786.4	1430	301991.5	431847879	432	1.0	17149.5	3190	64910.9	207065635	207	0.5
Q4 2016	85414.0	1470	323292.0	475239225	475	1.0	18541.6	2510	70180.0	176151690	176	0.4
Q1 2017	76642.3	1450	290091.1	420632103	421	0.9	26107.0	1290	98815.0	127471344	127	0.3
Q2 2017	72299.8	1430	273654.7	391326282	391	0.9	25921.8	2450	98114.0	240379332	240	0.5
Q3 2017	95349.3	1400	360897.1	505255941	505	1.1	27489.9	1230	104049.3	127980604	128	0.3
Q4 2017	106679.8	1320	403783.0	532993617	533	1.2	26445.8	2570	100097.4	257250197	257	0.6

Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	MW-4						TW4-15 (formerly MW-26)					
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2018	105060.4	1320	397653.6	524902770	525	1.2	27004.7	1210	102212.8	123677475	124	0.3
Q2 2018	101786.2	1240	385260.8	477723351	478	1.1	26654.7	1870	100888.0	188660634	189	0.4
Q3 2018	95480.5	1300	361393.7	469811800	470	1.0	25536.1	1680	96654.1	162378953	162	0.4
Q4 2018	102884.8	1330	389418.9	517927177	518	1.1	23791.3	1480	90050.1	133274104	133	0.3
Q1 2019	111746.9	1190	422962.0	503324800	503	1.1	26798.5	1110	101432.3	112589878	113	0.2
Q2 2019	94540.7	1300	357836.5	465187514	465	1.0	24050.2	1280	91030.0	116518409	117	0.3
Q3 2019	95517.7	1180	361534.5	426610704	427	0.9	24181.1	1360	91525.5	124474630	124	0.3
Q4 2019	99220.8	1370	375550.9	514504705	515	1.1	22384.8	1390	84726.5	117769791	118	0.3
Q1 2020	102597.0	1230	388329.6	477645370	478	1.1	24107.0	1100	91245.0	100369495	100	0.2
Q2 2020	101850.7	1250	385504.9	481881077	482	1.1	25418.4	1610	96208.6	154895917	155	0.3
Totals	6461424.28					105.4	2861673.7					37.1

Table G-1
 Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	TW4-19						TW4-20					
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2007	6768986	2660	25620612.0	68150827947	68151	150.2	642290	16240	2431067.7	3.9481E+10	39481	87.0
Q2 2007	605400	8	2291439.0	18331512	18	0.0	163520	1800	618923.2	1114061760	1114	2.5
Q3 2007	316080	1100	1196362.8	1315999080	1316	2.9	70360	5200	266312.6	1384825520	1385	3.1
Q4 2007	334350	1100	1265514.8	1392066225	1392	3.1	63630	9000	240839.6	2167555950	2168	4.8
Q1 2008	304784	1800	1153607.4	2076493392	2076	4.6	66520	13000	251778.2	3273116600	3273	7.2
Q2 2008	380310	1000	1439473.4	1439473350	1439	3.2	39360	30000	148977.6	4469328000	4469	9.9
Q3 2008	529020	3600	2002340.7	7208426520	7208	15.9	53260	21000	201589.1	4233371100	4233	9.3
Q4 2008	589620	4200	2231711.7	9373189140	9373	20.7	50230	1000	190120.6	190120550	190	0.4
Q1 2009	469100	1100	1775543.5	1953097850	1953	4.3	52050	8200	197009.3	1615475850	1615	3.6
Q2 2009	450040	990	1703401.4	1686367386	1686	3.7	49270	6800	186487.0	1268111260	1268	2.8
Q3 2009	200650	6600	759460.3	5012437650	5012	11.1	51030	13000	193148.6	2510931150	2511	5.5
Q4 2009	454205	4700	1719165.9	8080079848	8080	17.8	208790	15000	790270.2	1.1854E+10	11854	26.1
Q1 2010	348550	940	1319261.8	1240106045	1240	2.7	14490	3500	54844.7	191956275	192	0.4
Q2 2010	453340	1800	1715891.9	3088605420	3089	6.8	39014.86	18000	147671.2	2658082412	2658	5.9
Q3 2010	116899.2	2000	442463.5	884926944	885	2.0	39098.3	15000	147987.1	2219805983	2220	4.9
Q4 2010	767970.5	1200	2906768.3	3488122011	3488	7.7	36752.5	24000	139108.2	3338597100	3339	7.4
Q1 2011	454607.9	3400	1720690.9	5850349065	5850	12.9	37187.5	31000	140754.7	4363395313	4363	9.6
Q2 2011	159238.9	4000	602719.2	2410876946	2411	5.3	67907.7	8100	257030.6	2081948220	2082	4.6
Q3 2011	141542.6	970	535738.7	519666578.8	520	1.1	72311.2	6800	273697.9	1861145666	1861	4.1
Q4 2011	147647.2	2200	558844.7	1229458234	1229	2.7	72089.3	7900	272858.0	2155578204	2156	4.8
Q1 2012	148747	650	563007.4	365954806.8	366	0.8	76306	11000	288818.2	3177000310	3177	7.0
Q2 2012	172082.03	460	651330.5	299612022.4	300	0.7	22956.43	36000	86890.1	3128043152	3128	6.9
Q3 2012	171345	950	648540.8	616113783.8	616	1.4	22025	13000	83364.6	1083740125	1084	2.4
Q4 2012	156653	1500	592931.6	889397407.5	889	2.0	20114	19000	76131.5	1446498310	1446	3.2
Q1 2013	210908	4210	798286.8	3360787344	3361	7.4	18177	18500	68799.9	1272798983	1273	2.8
Q2 2013	226224	2070	856257.8	1772453729	1772	3.9	20252.4	26300	76655.3	2016035284	2016	4.4
Q3 2013	329460.1	8100	1247006.5	10100752476	10101	22.3	19731	26800	74681.8	2001473178	2001	4.4
Q4 2013	403974	942	1529041.6	1440357178	1440	3.2	19280.2	15700	72975.6	1145716245	1146	2.5
Q1 2014	304851	586	1153861.0	676162566.5	676	1.5	18781.6	17800	71088.4	1265372737	1265	2.8
Q2 2014	297660.0	810	1126643.1	912580911	913	2.0	18462.4	22100	69880.2	1544352066	1544	3.4
Q3 2014	309742.0	1410	1172373.5	1653046593	1653	3.6	17237.9	12400	65245.5	809043599	809	1.8
Q4 2014	198331.0	4310	750682.8	3235443019	3235	7.1	16341.8	23300	61853.7	1441191513	1441	3.2
Q1 2015	60553.0	4660	229193.1	1068039869	1068	2.4	15744.7	19900	59593.7	1185914421	1186	2.6
Q2 2015	75102.8	1570	284264.1	446294633.9	446	1.0	18754.1	17600	70984.3	1249323126	1249	2.8
Q3 2015	116503.9	7860	440967.3	3466002675	3466	7.6	17657.3	17000	66832.9	1136158969	1136	2.5
Q4 2015	112762.7	7840	426806.8	3346165465	3346	7.4	15547.4	17000	58846.9	1000397453	1000	2.2
Q1 2016	116597.0	7780	441319.6	3433466838	3433	7.6	14353.5	21600	54328.0	1173484746	1173	2.6
Q2 2016	123768.0	12600	468461.9	5902619688	5903	13.0	15818.3	33700	59872.3	2017695347	2018	4.4
Q3 2016	103609.0	6040	392160.1	2368646793	2369	5.2	12186.6	23600	46126.3	1088580232	1089	2.4
Q4 2016	104919.4	6640	397119.9	2636876329	2637	5.8	12879.6	21300	48749.3	1038359792	1038	2.3
Q1 2017	110416.7	1240	417927.2	518229739.8	518	1.1	13552.8	23400	51297.3	1200357943	1200	2.6
Q2 2017	109943.0	510	416134.3	212228470.1	212	0.5	12475.3	18100	47219.0	854664090	855	1.9
Q3 2017	112626.4	8840	426290.9	3768411768	3768	8.3	14556.8	27600	55097.5	1520690669	1521	3.4
Q4 2017	108891.2	129	412153.2	53167761.77	53	0.1	14271.0	11600	54015.7	626582526	627	1.4

Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	TW4-19						TW4-20					
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2018	109856.3	2640	415806.1	1097728092	1098	2.4	14258.4	15400	53968.0	831107878	831	1.8
Q2 2018	111271.4	2980	421162.2	1255063502	1255	2.8	13367.6	12000	50596.4	607156392	607	1.3
Q3 2018	105821.8	1910	400535.5	765022829.8	765	1.7	12443.6	10500	47099.0	494539773	495	1.1
Q4 2018	107197.4	5270	405742.2	2138261178	2138	4.7	12841.1	9500	48603.5	461733494	462	1.0
Q1 2019	116132.8	2050	439562.6	901103428.4	901	2.0	14623.9	15600	55351.5	863482799	863	1.9
Q2 2019	100704.0	11500	381164.6	4383393360	4383	9.7	13439.1	13700	50867.0	696877811	697	1.5
Q3 2019	101026.8	6670	382386.4	2550517541	2551	5.6	13787.0	10500	52183.8	547929848	548	1.2
Q4 2019	98806.8	551	373983.7	206065039.6	206	0.5	8317.69	8790	31482.5	276730794	277	0.6
Q1 2020	96857.9	8720	366607.2	3196814361	3197	7.0	9505.05	14300	35976.6	514465584	514	1.1
Q2 2020	136619.7	7600	517105.6	3930002290	3930	8.7	100713.8	5800	381201.6	2210969393	2211	4.9
Totals	19262306.43					439.6	2569921.69					296.2

Table G-1
 Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	TW4-4						TW4-22					
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2010	84513.9	2000	319885.1	639770223	640	1.4	NA	NA	NA	NA	NA	NA
Q3 2010	76916.8	2100	291130.1	611373184.8	611	1.3	NA	NA	NA	NA	NA	NA
Q4 2010	86872.1	1700	328810.9	558978527.5	559	1.2	NA	NA	NA	NA	NA	NA
Q1 2011	73360.0	1800	277667.6	499801680	500	1.1	NA	NA	NA	NA	NA	NA
Q2 2011	80334.6	1700	304066.5	516912983.7	517	1.1	NA	NA	NA	NA	NA	NA
Q3 2011	97535.0	1500	369170.0	553754962.5	554	1.2	NA	NA	NA	NA	NA	NA
Q4 2011	109043.5	1500	412729.6	619094471.3	619	1.4	NA	NA	NA	NA	NA	NA
Q1 2012	101616.8	1200	384619.6	461543505.6	462	1.0	NA	NA	NA	NA	NA	NA
Q2 2012	87759.1	1500	332168.2	498252290.3	498	1.1	NA	NA	NA	NA	NA	NA
Q3 2012	80006.0	1600	302822.7	484516336	485	1.1	NA	NA	NA	NA	NA	NA
Q4 2012	71596	1400	270990.9	379387204	379	0.8	NA	NA	NA	NA	NA	NA
Q1 2013	58716.8	1460	222243.1	324474908.5	324	0.7	16677.4	10600	63124.0	669113965.4	669.1	1.5
Q2 2013	65603.4	1330	248308.9	330250795.8	330	0.7	25523.2	12500	96605.3	1207566400.0	1207.6	2.7
Q3 2013	63515.4	1380	240405.8	331759988.8	332	0.7	25592.9	9640	96869.1	933818379.5	933.8	2.1
Q4 2013	60233.6	1360	227984.2	310058479.4	310	0.7	24952.2	13300	94444.1	1256106224.1	1256.1	2.8
Q1 2014	58992.9	1260	223288.1	281343039.4	281	0.6	24532.0	12100	92853.6	1123528802.0	1123.5	2.5
Q2 2014	60235.3	1220	227990.6	278148544.8	278	0.6	24193.9	12400	91573.9	1135516502.6	1135.5	2.5
Q3 2014	69229.4	1320	262033.3	345883928.3	346	0.8	24610.9	12400	93152.3	1155087980.6	1155.1	2.5
Q4 2014	64422.6	1130	243839.5	275538681.3	276	0.6	23956.9	12400	90676.9	1124393144.6	1124.4	2.5
Q1 2015	36941.3	1350	139822.8	188760807.7	189	0.4	22046.9	12700	83447.5	1059783459.6	1059.8	2.3
Q2 2015	68162.8	1280	257996.2	330235133.4	330	0.7	23191.6	8050	87780.2	706630658.3	706.6	1.6
Q3 2015	64333.0	1220	243500.4	297070494.1	297	0.7	24619.9	7810	93186.3	727785170.9	727.8	1.6
Q4 2015	59235.1	1190	224204.9	266803775.7	267	0.6	23657.6	7530	89544.0	674266440.5	674.3	1.5
Q1 2016	57274.0	1190	216782.1	257970687.1	258	0.6	24517.8	6070	92799.9	563295229.1	563.3	1.2
Q2 2016	61378.0	1780	232315.7	413521999.4	414	0.9	26506.3	8570	100326.3	859796780.9	859.8	1.9
Q3 2016	50104.2	1380	189644.4	261709267.9	262	0.6	22144.1	5840	83815.4	489482044.0	489.5	1.1
Q4 2016	31656.0	1430	119818.0	171339682.8	171	0.4	23646.8	3370	89503.1	301625575.1	301.6	0.7
Q1 2017	23526.8	1290	89048.9	114873130	115	0.3	24066.2	5320	91090.6	484601816.4	484.6	1.1
Q2 2017	23244.9	1290	87981.9	113496711	113	0.3	23685.0	3670	89647.7	329007150.8	329.0	0.7
Q3 2017	23937.3	1290	90602.7	116877457.8	117	0.3	24583.2	5150	93047.4	479194171.8	479.2	1.1
Q4 2017	22900.6	1120	86678.8	97080223.52	97	0.2	23779.6	4770	90005.8	429327599.2	429.3	0.9

Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	TW4-4						TW4-22					
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2018	23103.4	1160	87446.4	101437788	101	0.2	23982.8	4530	90774.9	411210287.9	411.2	0.9
Q2 2018	18137.0	1050	68648.5	72080972.25	72	0.2	23256.6	3010	88026.2	264958955.3	265.0	0.6
Q3 2018	15366.0	1030	58160.3	59905119.3	60	0.1	21248.7	3600	80426.3	289534786.2	289.5	0.6
Q4 2018	15420.2	1140	58365.5	66536620.98	67	0.1	24171.0	2680	91487.2	245185789.8	245.2	0.5
Q1 2019	16655.0	1050	63039.2	66191133.75	66	0.1	26149.9	4310	98977.4	426592471.2	426.6	0.9
Q2 2019	14311.9	1070	54170.5	57962479.41	58	0.1	23073.1	4690	87331.7	409585595.6	409.6	0.9
Q3 2019	14520.0	989	54958.2	54353659.8	54	0.1	24711.7	3460	93533.8	323626894.4	323.6	0.7
Q4 2019	14399.8	1140	54503.2	62133697.02	62	0.1	24052.5	3820	91038.7	347767881.8	347.8	0.8
Q1 2020	14439.2	1100	54652.4	60117609.2	60	0.1	24746.1	3910	93664.0	366226195.0	366.2	0.8
Q2 2020	15347.0	1140	58088.4	66220770.3	66	0.1	25295.3	2530	95742.7	242229057.6	242.2	0.5
Totals	2134896.7					25.6	717172.1					42.0

Table G-1
 Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	TW4-24						TW4-25					
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2013	144842.6	5.7	548229.2	3124906.7	3.1	0.0	99369.9	0.0	376115.1	0.0	0.0	0.0
Q2 2013	187509.3	17.4	709722.7	12349175.0	12.3	0.0	147310.4	0.0	557569.9	0.0	0.0	0.0
Q3 2013	267703.5	21.8	1013257.7	22089018.9	22.1	0.1	145840.9	0.0	552007.8	0.0	0.0	0.0
Q4 2013	260555.3	32.5	986201.8	32051558.8	32.1	0.1	126576.5	0.0	479092.1	0.0	0.0	0.0
Q1 2014	229063.9	78.5	867006.9	68060038.6	68.1	0.2	129979.2	0.0	491971.3	0.0	0.0	0.0
Q2 2014	216984.1	62.7	821284.8	51494558.1	51.5	0.1	124829.8	0.0	472480.8	0.0	0.0	0.0
Q3 2014	213652.5	76.3	808674.7	61701880.6	61.7	0.1	119663.9	0.0	452927.9	0.0	0.0	0.0
Q4 2014	178468.7	25.8	675504.0	17428004.0	17.4	0.04	107416.1	0.0	406569.9	0.0	0.0	0.0
Q1 2015	92449.3	49.2	349920.6	17216093.5	17.2	0.04	71452.4	0.0	270447.3	0.0	0.0	0.0
Q2 2015	62664.2	4.28	237184.0	1015147.5	1.0	0.002	91985.3	0.0	348164.4	0.0	0.0	0.0
Q3 2015	66313.2	46.9	250995.5	11771687.2	11.8	0.026	124137.1	0.0	469858.9	0.0	0.0	0.0
Q4 2015	107799.1	25.3	408019.6	10322895.7	10.3	0.023	116420.1	0.0	440650.1	0.0	0.0	0.0
Q1 2016	100063.2	22.8	378739.2	8635254.0	8.6	0.019	115483.2	0.0	437103.9	0.0	0.0	0.0
Q2 2016	65233.6	69.6	246909.2	17184878.6	17.2	0.038	125606.0	0.0	475418.7	0.0	0.0	0.0
Q3 2016	51765.8	17.8	195933.6	3487617.2	3.5	0.008	104983.6	0.0	397362.9	0.0	0.0	0.0
Q4 2016	99522.5	20.8	376692.7	7835207.4	7.8	0.017	98681.2	0.0	373508.3	0.0	0.0	0.0
Q1 2017	99117.4	18.3	375159.4	6865416.3	6.9	0.015	161.2	1.15	610.1	701.7	0.0	0.0
Q2 2017	52808.7	17.2	199880.9	3437952.0	3.4	0.008	101617.2	0.0	384621.1	0.0	0.0	0.0
Q3 2017	55574.6	17.8	210349.9	3744227.5	3.7	0.008	124138.4	0.0	469863.8	0.0	0.0	0.0
Q4 2017	106021.4	16.0	401291.0	6420656.0	6.4	0.014	116731.9	0.0	441830.2	0.0	0.0	0.0

Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	FW4-24						FW4-25					
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2018	96900.2	24.9	366767.3	9132504.7	9.1	0.020	116991.7	0.0	442813.6	0.0	0.0	0.0
Q2 2018	53117.9	49.2	201051.3	9891721.6	9.9	0.022	117758.3	0.0	445715.2	0.0	0.0	0.0
Q3 2018	53142.5	35.0	201144.4	7040052.7	7.0	0.016	111657.5	0.0	422623.6	0.0	0.0	0.0
Q4 2018	101606.4	21.0	384580.3	8076185.5	8.1	0.018	114458.2	0.0	433224.3	0.0	0.0	0.0
Q1 2019	97701.0	28.1	369798.3	10391331.8	10.4	0.023	90789.5	0.0	343638.3	0.0	0.0	0.0
Q2 2019	53197.3	28.8	201351.8	5798931.3	5.8	0.013	88302.0	0.0	334223.1	0.0	0.0	0.0
Q3 2019	54445.7	31.1	206077.0	6408993.9	6.4	0.014	87609.5	0.0	331602.0	0.0	0.0	0.0
Q4 2019	102211.02	43.3	386868.7	16751415.2	16.8	0.037	85928.53	0.0	325239.5	0.0	0.0	0.0
Q1 2020	86344.38	61.7	326813.5	20164391.6	20.2	0.044	85049.47	0.0	321912.2	0.0	0.0	0.0
Q2 2020	57634.7	49.4	218147.3	10776478.6	10.8	0.024	90767.9	0.0	343556.6	0.0	0.0	0.0
Totals	3414414.0					1.089	3181696.9					0.0

Table G-1
 Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	TW4-01						TW4-02					
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2015	24569.2	1130	92994.4	105083696.9	105.1	0.23	24156.7	1840	91433.1	168236921.5	168.2	0.37
Q2 2015	23989.9	1260	90801.8	114410232.1	114.4	0.25	22029.9	1650	83383.2	137582233.0	137.6	0.30
Q3 2015	23652.0	1060	89522.8	94894189.2	94.9	0.21	21586.9	1310	81706.4	107035405.6	107.0	0.24
Q4 2015	20764.3	1040	78592.9	81736590.5	81.7	0.18	21769.8	2070	82398.7	170565294.5	170.6	0.38
Q1 2016	19255.6	974	72882.4	70987502.4	71.0	0.16	20944.6	1970	79275.3	156172362.7	156.2	0.34
Q2 2016	19588.2	1140	74141.3	84521124.2	84.5	0.19	20624.0	2070	78061.8	161588008.8	161.6	0.36
Q3 2016	15613.5	1160	59097.1	68552633.1	68.6	0.15	17487.4	1780	66189.8	117817860.0	117.8	0.26
Q4 2016	16756.8	1330	63424.5	84354569.0	84.4	0.19	19740.6	1600	74718.2	119549073.6	119.5	0.26
Q1 2017	16931.8	519	64086.9	33261081.9	33.3	0.07	19869.7	1570	75206.8	118074698.8	118.1	0.26
Q2 2017	18200.2	977	68887.8	67303338.6	67.3	0.15	18716.7	1940	70842.7	137434856.4	137.4	0.30
Q3 2017	17413.6	958	65910.5	63142236.0	63.1	0.14	19338.8	1310	73197.4	95888539.0	95.9	0.21
Q4 2017	14089.8	556	53329.9	29651420.5	29.7	0.07	17327.6	1610	65585.0	105591795.3	105.6	0.23

Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	TW4-01						TW4-02					
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2018	12505.7	70.4	47334.1	3332318.8	3.3	0.01	16232.3	764	61439.3	46939591.2	46.9	0.10
Q2 2018	10814.8	942	40934.0	38559845.0	38.6	0.09	16051.4	949	60754.5	57656067.0	57.7	0.13
Q3 2018	9727.3	1010	36817.8	37186008.8	37.2	0.08	14927.2	980	56499.5	55369463.0	55.4	0.12
Q4 2018	9836.7	752	37231.9	27998395.9	28.0	0.06	15464.1	822	58531.6	48112990.4	48.1	0.11
Q1 2019	10603.6	87.2	40134.6	3499739.4	3.50	0.01	16169.9	1040.0	61203.1	63651194.4	63.65	0.14
Q2 2019	9393.9	1040.0	35555.9	36978148.0	36.98	0.08	13893.7	1360.0	52587.7	71519210.1	71.52	0.16
Q3 2019	9734.1	894	36843.6	32938150.2	32.94	0.07	14106.9	797	53394.6	42555509.4	42.56	0.09
Q4 2019	9184.3	1070	34762.6	37195955.8	37.20	0.08	14220.9	934	53826.1	50273583.5	50.27	0.11
Q1 2020	8796.7	1190	33295.5	39621656.3	39.62	0.09	13162.1	1880	49818.5	93658871.2	93.66	0.21
Q2 2020	9600.2	499	36336.8	18132041.7	18.13	0.04	14155.6	1070	53578.9	57329472.2	57.33	0.13
Totals	331022.2					2.59	391976.8					4.81

Table G-1
 Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	TW4-11						TW4-21					
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2015	9898.7	2450	37466.6	91793119.8	91.8	0.20	NA	NA	NA	NA	NA	NA
Q2 2015	5243.3	2710	19845.9	53782363.3	53.8	0.12	30743.7	366	116364.9	42589555.0	42.6	0.09
Q3 2015	3584.4	1120	13567.0	15194988.5	15.2	0.03	125285.4	281	474205.2	133251672.2	133.3	0.29
Q4 2015	4110.3	2730	15557.5	42471935.4	42.5	0.09	134774.9	339	510123.0	172931695.8	172.9	0.38
Q1 2016	3676.2	2660	13914.4	37012349.2	37.0	0.08	125513.3	390	475067.8	185276457.8	185.3	0.41
Q2 2016	3760.4	3340	14233.1	47538600.8	47.5	0.10	132248.7	545	500561.3	272805924.6	272.8	0.60
Q3 2016	2953.8	3200	11180.1	35776425.6	35.8	0.08	110381.9	456	417795.5	190514744.1	190.5	0.42
Q4 2016	3050.2	3180	11545.0	36713122.3	36.7	0.08	130311.3	434	493228.3	214061069.4	214.1	0.47
Q1 2017	2984.2	3310	11295.2	37387102.1	37.4	0.08	54333.5	598	205652.3	122980073.9	123.0	0.27
Q2 2017	2845.9	3370	10771.7	36300735.2	36.3	0.08	60969.7	224	230770.3	51692550.4	51.7	0.11
Q3 2017	2830.0	3290	10711.6	35240999.5	35.2	0.08	120116.2	537	454639.8	244141581.7	244.1	0.54
Q4 2017	2612.7	2880	9889.1	28480520.2	28.5	0.06	126492.5	466	478774.1	223108736.4	223.1	0.49

Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	TW4-11						TW4-21					
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2018	2571.0	3090	9731.2	30069516.2	30.1	0.07	117832.0	421	445994.1	187763524.5	187.8	0.41
Q2 2018	2513.5	2800	9513.6	26638073.0	26.6	0.06	116681.0	532	441637.6	234951195.2	235.0	0.52
Q3 2018	2170.2	3050	8214.2	25053331.4	25.1	0.06	110001.4	476	416355.3	198185122.3	198.2	0.44
Q4 2018	2379.5	2930	9006.4	26388774.0	26.4	0.06	121686.3	585	460582.8	269440914.0	269.4	0.59
Q1 2019	2342.4	2820	8866.0	25002074.9	25.00	0.1	123264	323	466554.6	150697141.8	150.70	0.3
Q2 2019	2195.1	2970	8308.5	24676106.9	24.68	0.1	106893.6	734	404592.3	296970730.6	297.0	0.7
Q3 2019	2046.0	2790	7744.1	21606066.9	21.61	0.0	108132.9	596	409283.0	243932683.8	243.9	0.5
Q4 2019	1983.9	3250	7509.1	24404449.9	24.40	0.1	116167.55	794	439694.2	349117176.3	349.1	0.8
Q1 2020	1947.4	2990	7370.9	22039017.9	22.04	0.0	106622.01	844	403564.3	340608275.8	340.6	0.8
Q2 2020	2003.9	2810	7584.8	21313179.8	21.31	0.0	110999.13	767	420131.7	322241019.3	322.2	0.7
Totals	69703.0					1.64	2289451.1				9.80	

Table G-1
 Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	TW4-37						TW4-39					
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2015	29206.0	30200	110544.7	3338450242.0	3338.5	7.4	NA	NA	NA	NA	NA	NA
Q3 2015	118063.9	19100	446871.9	8535252554.7	8535.3	18.8	NA	NA	NA	NA	NA	NA
Q4 2015	111737.5	19500	422926.4	8247065531.3	8247.1	18.2	NA	NA	NA	NA	NA	NA
Q1 2016	111591.0	17500	422371.9	7391508862.5	7391.5	16.3	NA	NA	NA	NA	NA	NA
Q2 2016	119241.2	16200	451327.9	7311512660.4	7311.5	16.1	NA	NA	NA	NA	NA	NA
Q3 2016	98377.6	15900	372359	5920511534.4	5920.5	13.1	NA	NA	NA	NA	NA	NA
Q4 2016	101949.1	16400	385877	6328388433.4	6328.4	14.0	3598.3	2800	13620	38134783.4	38.1	0.1
Q1 2017	97071.7	18000	367416	6613494921.0	6613.5	14.6	103117.8	6460	390301	2521343639.6	2521.3	5.56
Q2 2017	93191.3	15800	352729	5573119313.9	5573.1	12.3	41313.0	5560	156370	869415559.8	869.4	1.92
Q3 2017	81749.3	15000	309421	4641316507.5	4641.3	10.2	34546.3	10000	130758	1307577455.0	1307.6	2.9
Q4 2017	87529.6	15500	331300	5135142808.0	5135.1	11.3	68180.2	552	258062	142450255.5	142.5	0.3

Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	TW4-37						TW4-39					
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2018	84769.3	12900	320852	4138988226.5	4139.0	9.1	59262.2	2870	224307	643762315.5	643.8	1.4
Q2 2018	83653.1	14400	316627	4559428562.4	4559.4	10.1	34259.8	7160	129673	928461135.9	928.5	2.0
Q3 2018	77457.8	14100	293178	4133806599.3	4133.8	9.1	33473.4	8180	126697	1036379979.4	1036.4	2.3
Q4 2018	76271.4	15200	288687	4388046184.8	4388.0	9.7	37003.6	6520	140059	913182241.5	913.2	2.0
Q1 2019	77591	13300	293683.4	3905989871.7	3906.0	8.6	49117	885	185907.5	164528107.9	164.5	0.4
Q2 2019	64950.1	16200	245836.1	3982545281.7	3982.5	8.8	34285.7	8640	129771.4	1121224675.7	1121.2	2.5
Q3 2019	67572.0	11900	255760.0	3043544238.0	3043.5	6.7	36976.2	4240	139954.9	593408848.1	593.4	1.3
Q4 2019	66732.4	13100	252582.1	3308825955.4	3308.8	7.3	51808.6	1650	196095.6	323557659.2	323.6	0.7
Q1 2020	65554.2	12000	248122.6	2977471764.0	2977.5	6.6	43169.3	812	163395.8	132677390.0	132.7	0.3
Q2 2020	65163.8	11700	246645.0	2885746301.1	2885.7	6.4	37352.7	5870	141380.0	829900421.0	829.9	1.8
Totals	1779423.7					234.5	667464.0					25.5

Table G-1
 Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	TW4-40						TW4-41						Total Volume Pumped (gallons)	
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)		
Q1 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	286.9	9648896.0
Q2 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.0	904550.0
Q3 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.0	559220.0
Q4 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.6	550560.0
Q1 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.8	503034.0
Q2 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.8	527290.0
Q3 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.8	724960.0
Q4 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.7	786870.0
Q1 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.0	664830.0
Q2 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.5	1007400.0
Q3 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.5	399710.0
Q4 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.4	1047335.0
Q1 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.5	492485.0
Q2 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.5	721374.1
Q3 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.6	376623.4
Q4 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.9	1041817.3
Q1 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.9	696533.0
Q2 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.1	449131.1
Q3 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.1	462334.5
Q4 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.8	468706.3
Q1 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.6	448486.3
Q2 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.4	400415.2
Q3 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.6	390229.0
Q4 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.1	358000.0
Q1 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.7	634286.1
Q2 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.5	768953.4
Q3 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.1	950505.6
Q4 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.3	990119.8
Q1 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.6	859297.5
Q2 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.9	838057.9
Q3 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.2	852987.2
Q4 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.6	673905.9
Q1 2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.9	458271.4
Q2 2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.3	539592.9
Q3 2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.4	816299.8
Q4 2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.3	847567.8
Q1 2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.6	819302.3
Q2 2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.4	832418.9
Q3 2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.7	686543.4
Q4 2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.6	750667.4
Q1 2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.2	667899.1
Q2 2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.6	657232.5
Q3 2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.5	754250.1
Q4 2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.9	841953.7

Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

Quarter	TW4-40						TW4-41						Total Volume Pumped (gallons)	
	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)		Total (pounds)
Q1 2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.0	810330.4
Q2 2018	NA	NA	NA	NA	NA	NA	73711.2	1400	278997	390595648.8	390.6	0.9	20.1	803034.5
Q3 2018	NA	NA	NA	NA	NA	NA	44981.6	1390	170255	236654734.4	236.7	0.5	17.6	733435.6
Q4 2018	NA	NA	NA	NA	NA	NA	35431.6	1320	134108	177023110.1	177.0	0.4	20.8	800443.6
Q1 2019	NA	NA	NA	NA	NA	NA	31904	1220	120755.1	147321253.7	147.3	0.3	16.2	811589.4
Q2 2019	81762.7	263	309471.8	81391088.5	81.4	0.18	25146.5	1320	95179.5	125636943.3	125.6	0.3	26.2	750139.6
Q3 2019	116414.2	380	440627.7	167438543.9	167.4	0.37	24045.6	1190	91012.6	108304989.2	108.3	0.2	18.3	794827.4
Q4 2019	108281.89	314	409847.0	128691943.4	128.7	0.28	21186.4	1410	80190.5	113068638.8	113.1	0.2	13.0	844887.9
Q1 2020	102021.51	364	386151.4	140559115.2	140.6	0.31	17289.9	1200	65442.3	78530725.8	78.5	0.2	18.9	802209.2
Q2 2020	100757.13	367	381365.7	139961225.5	140.0	0.31	17294.9	1220	65461.1	79862567.4	79.9	0.2	25.2	910974.8
Totals	509237.4					1.45	290991.2					3.2	1230.3	46423537.9

Table G-2
Chloroform Mass Removal Per Well Per Quarter

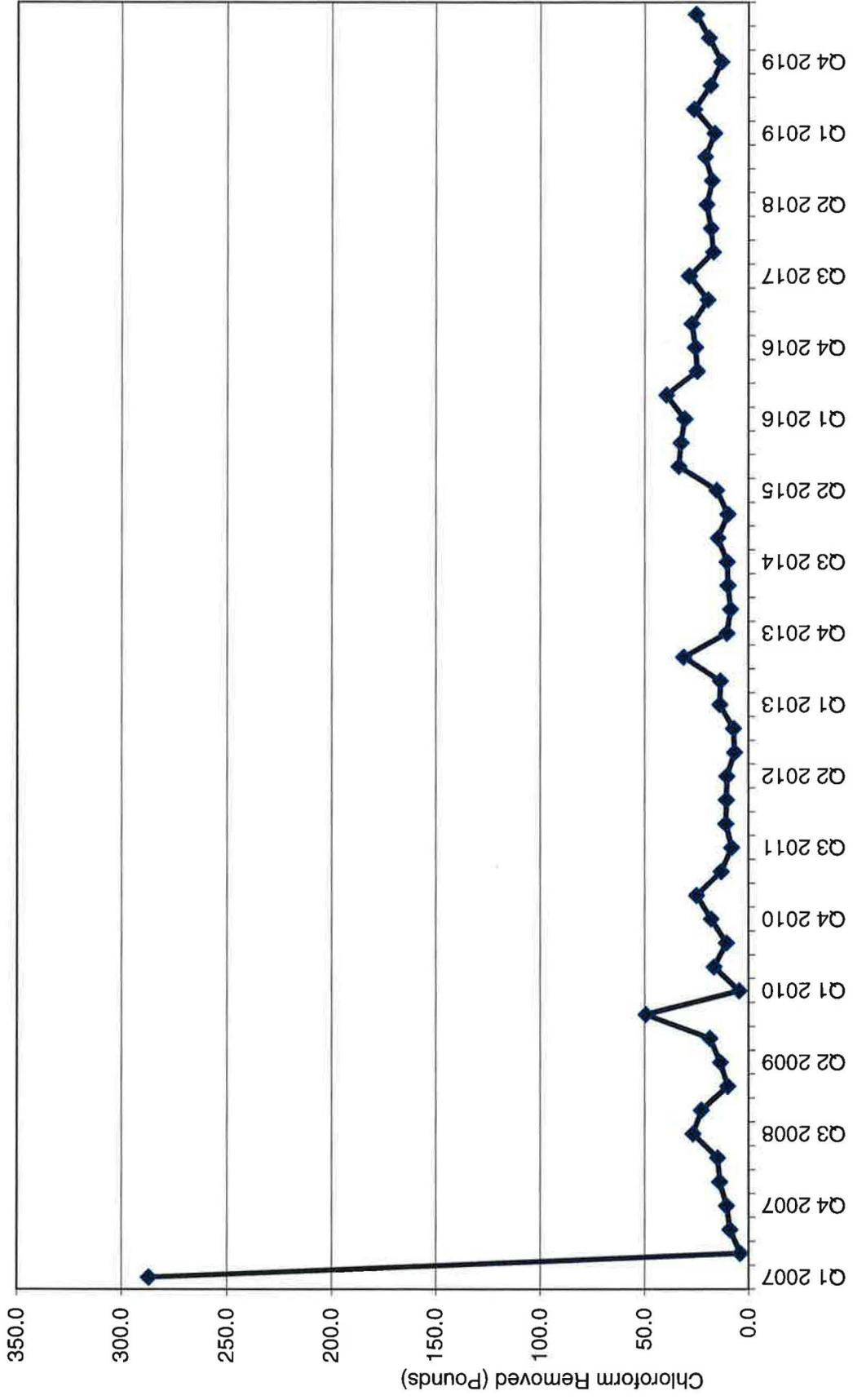
Quarter*	MW-4 (lbs.)	TW4-15 (MW-26) (lbs.)	TW4-19 (lbs.)	TW4-20 (lbs.)	TW4-4 (lbs.)	TW4-22 (lbs.)	TW4-24 (lbs.)	TW4-25 (lbs.)	TW4-01 (lbs.)	TW4-02 (lbs.)	TW4-11 (lbs.)	TW4-21 (lbs.)	TW4-37 (lbs.)	TW4-39 (lbs.)	TW4-40 (lbs.)	TW4-41 (lbs.)	Quarter Totals (lbs.)
Q1 2007	36.8	12.9	150.2	87.0	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	4.0
Q3 2007	2.2	0.8	2.9	3.1	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	10.6
Q1 2008	1.7	0.4	4.6	7.2	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	14.8
Q3 2008	1.2	0.3	15.9	9.3	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	22.7
Q1 2009	1.7	0.4	4.3	3.6	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	13.5
Q3 2009	1.5	0.4	11.1	5.5	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	49.4
Q1 2010	0.9	0.4	2.7	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.5
Q2 2010	1.5	1.0	6.8	5.9	1.4	NA	16.5										
Q3 2010	1.3	1.2	2.0	4.9	1.3	NA	10.6										
Q4 2010	1.1	0.5	7.7	7.4	1.2	NA	17.9										
Q1 2011	1.1	0.2	12.9	9.6	1.1	NA	24.9										
Q2 2011	1.2	0.8	5.3	4.6	1.1	NA	13.1										
Q3 2011	1.2	0.4	1.1	4.1	1.2	NA	8.1										
Q4 2011	1.2	0.8	2.7	4.8	1.4	NA	10.8										
Q1 2012	1.1	0.6	0.8	7.0	1.0	NA	10.6										
Q2 2012	1.1	0.7	0.7	6.9	1.1	NA	10.4										
Q3 2012	1.1	0.7	1.4	2.4	1.1	NA	6.6										
Q4 2012	0.9	0.3	2.0	3.2	0.8	NA	7.2										
Q1 2013	0.9	0.4	7.4	2.8	0.7	1.5	0.0	0.0	NA	13.7							
Q2 2013	0.9	0.9	3.9	4.4	0.7	2.7	0.0	0.0	NA	13.5							
Q3 2013	0.9	0.6	22.3	4.4	0.7	2.1	0.1	0.0	NA	31.1							
Q4 2013	0.8	0.3	3.2	2.5	0.7	2.8	0.1	0.0	NA	10.3							
Q1 2014	0.8	0.3	1.5	2.8	0.6	2.5	0.2	0.0	NA	8.6							
Q2 2014	0.8	0.4	2.0	3.4	0.6	2.5	0.1	0.0	NA	9.9							
Q3 2014	0.9	0.4	3.6	1.8	0.8	2.5	0.1	0.0	NA	10.2							
Q4 2014	0.8	0.4	7.1	3.2	0.6	2.5	0.04	0.0	NA	14.6							
Q1 2015	0.9	0.4	2.4	2.6	0.4	2.3	0.04	0.0	0.23	0.37	0.20	NA	NA	NA	NA	NA	9.9
Q2 2015	0.7	0.5	1.0	2.8	0.7	1.6	0.00	0.0	0.25	0.30	0.12	0.09	7.4	NA	NA	NA	15.3
Q3 2015	1.0	0.4	7.6	2.5	0.7	1.6	0.03	0.0	0.21	0.24	0.03	0.29	18.8	NA	NA	NA	33.4
Q4 2015	1.0	0.4	7.4	2.2	0.6	1.5	0.02	0.0	0.18	0.38	0.09	0.38	18.2	NA	NA	NA	32.3
Q1 2016	0.9	0.4	7.6	2.6	0.6	1.2	0.02	0.0	0.16	0.34	0.08	0.41	16.3	NA	NA	NA	30.6
Q2 2016	1.3	0.4	13.0	4.4	0.9	1.9	0.04	0.0	0.19	0.36	0.10	0.60	16.1	NA	NA	NA	39.4
Q3 2016	1.0	0.5	5.2	2.4	0.6	1.1	0.01	0.0	0.15	0.26	0.08	0.42	13.1	NA	NA	NA	24.7
Q4 2016	1.0	0.4	5.8	2.3	0.4	0.7	0.017	0.0	0.19	0.26	0.08	0.47	14.0	0.1	NA	NA	25.6
Q1 2017	0.9	0.3	1.1	2.6	0.3	1.1	0.015	0.0	0.07	0.26	0.08	0.27	14.6	5.6	NA	NA	27.2
Q2 2017	0.9	0.5	0.5	1.9	0.3	0.7	0.008	0.0	0.15	0.30	0.08	0.11	12.3	1.9	NA	NA	19.6
Q3 2017	1.1	0.3	8.3	3.4	0.3	1.1	0.008	0.0	0.14	0.21	0.08	0.54	10.2	2.9	NA	NA	28.5
Q4 2017	1.2	0.6	0.1	1.4	0.2	0.9	0.014	0.0	0.07	0.23	0.06	0.49	11.3	0.3	NA	NA	16.9
Q1 2018	1.2	0.3	2.4	1.8	0.2	0.9	0.020	0.0	0.01	0.10	0.07	0.41	9.1	1.4	NA	NA	18.0
Q2 2018	1.1	0.4	2.8	1.3	0.2	0.6	0.022	0.0	0.09	0.13	0.06	0.52	10.1	2.0	NA	0.9	20.1
Q3 2018	1.0	0.4	1.7	1.1	0.1	0.6	0.016	0.0	0.08	0.12	0.06	0.44	9.1	2.3	NA	0.5	17.6
Q4 2018	1.1	0.3	4.7	1.0	0.1	0.5	0.018	0.0	0.06	0.11	0.06	0.59	9.7	2.0	NA	0.4	20.8
Q1 2019	1.1	0.2	2.0	1.9	0.1	0.9	0.023	0.0	0.01	0.14	0.06	0.33	8.6	0.4	NA	0.3	16.2
Q2 2019	1.0	0.3	9.7	1.5	0.1	0.9	0.013	0.0	0.08	0.16	0.05	0.65	8.8	2.5	0.18	0.3	26.1
Q3 2019	0.9	0.3	5.6	1.2	0.1	0.7	0.014	0.0	0.07	0.09	0.0	0.5	6.7	1.3	0.37	0.2	18.3
Q4 2019	1.1	0.3	0.5	0.6	0.1	0.8	0.037	0.0	0.08	0.11	0.1	0.8	7.3	0.7	0.28	0.2	13.0
Q1 2020	1.1	0.2	7.0	1.1	0.1	0.8	0.044	0.0	0.09	0.21	0.0	0.8	6.6	0.3	0.31	0.2	18.9
Q2 2020	1.1	0.3	8.7	4.9	0.1	0.5	0.024	0.0	0.04	0.13	0.0	0.7	6.4	1.8	0.31	0.2	25.2
Well Totals	105.4	37.1	439.6	296.2	25.6	42.0	1.089	0.0	2.59	4.81	1.64	9.80	234.5	25.5	1.45	3.2	1230.3

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

Table G-3 Well Pumping Rates and Volumes

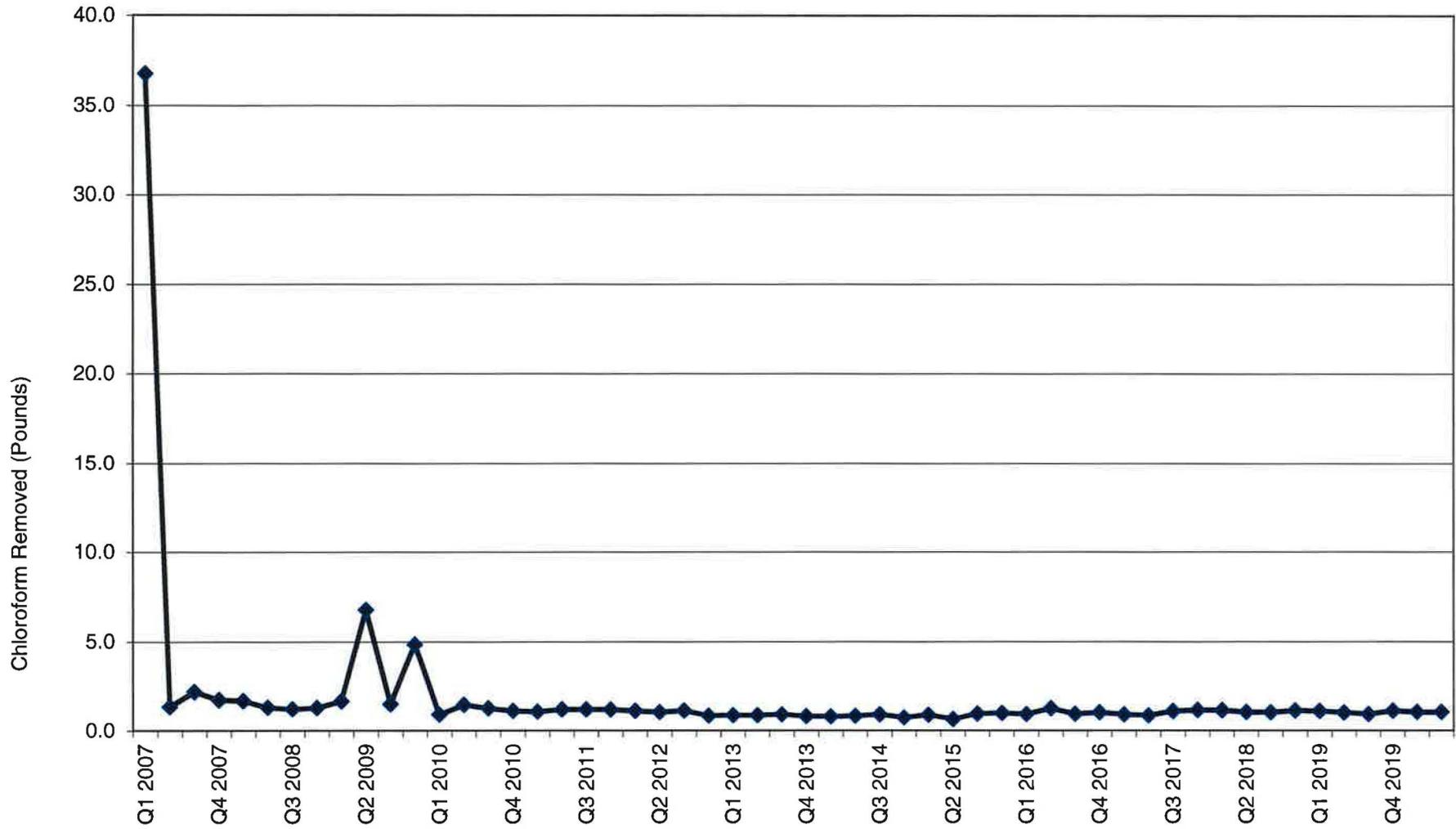
Pumping Well Name	Volume of Water Pumped During the Quarter (gals)	Average Pump Rate (gpm)
MW-4	101850.7	4.0
MW-26	25418.4	11.0
TW4-19	136619.7	17.2
TW4-20	100713.8	3.2
TW4-4	15347.0	14.7
TWN-2	30078.9	16.7
TW4-22	25295.3	18.0
TW4-24	57634.7	16.3
TW4-25	90767.9	11.6
TW4-01	9600.2	12.8
TW4-02	14155.6	16.1
TW4-11	2003.9	16.5
TW4-21	110999.1	16.7
TW4-37	65163.8	18.0
TW4-39	37352.7	18.0
TW4-40	100757.1	18.0
TW4-41	17294.9	5.4

Mass of Chloroform Removed by Quarter (lbs.)

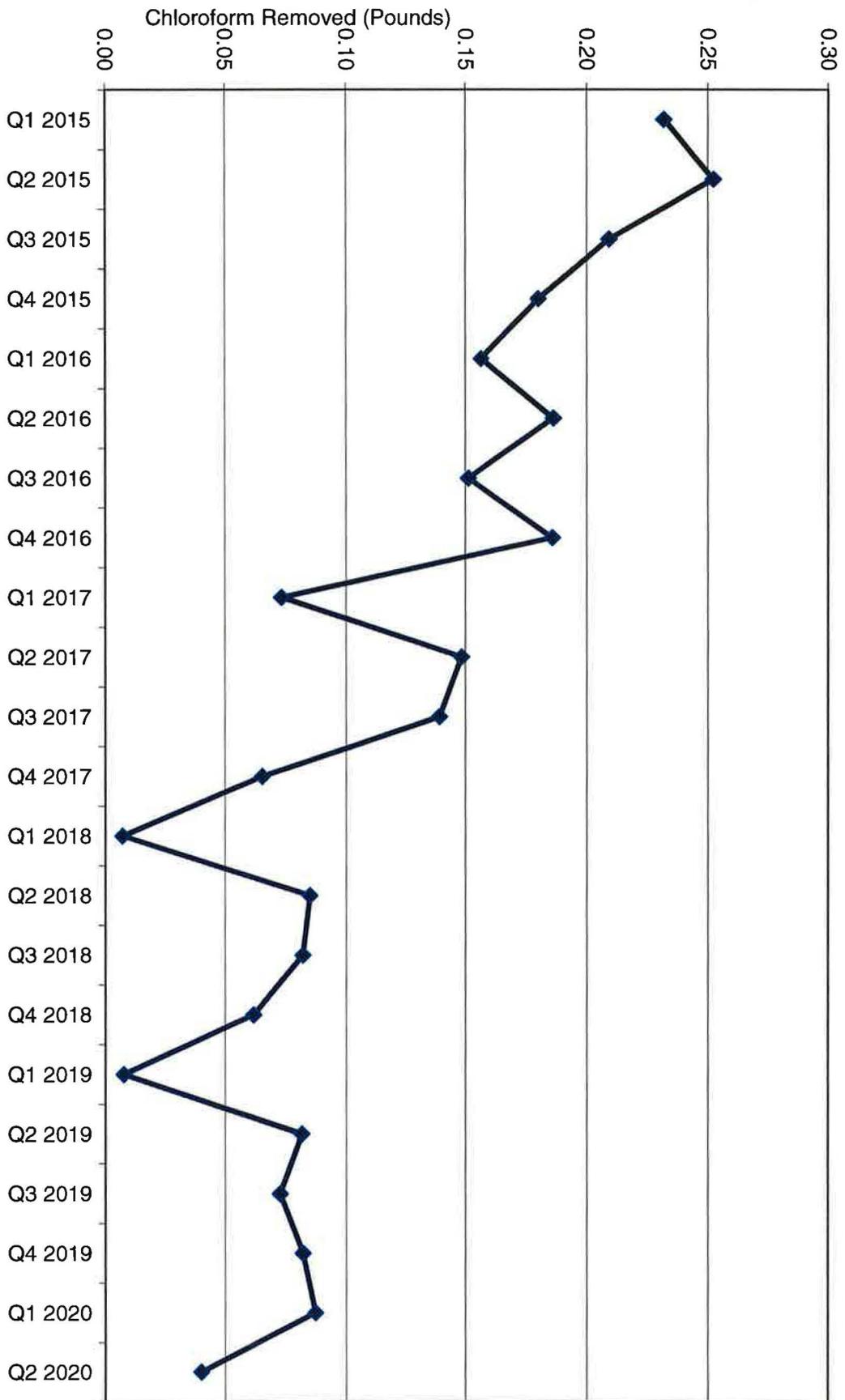


Q1 2007 represents the cumulative total prior to and including Q1 2007.

MW-04 Mass of Chloroform Removed by Quarter (lbs.)

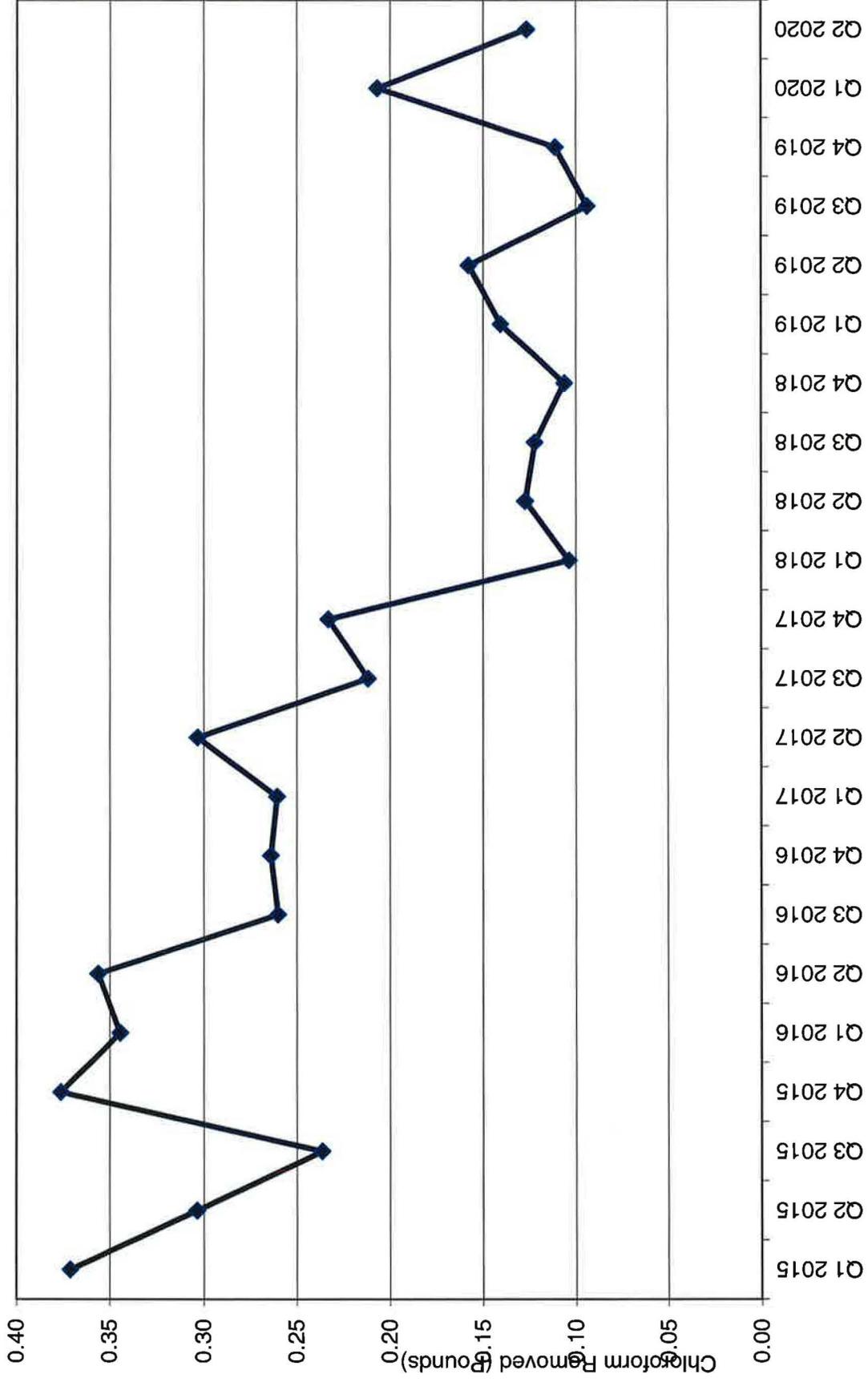


Q1 2007 represents the cumulative total prior to and including Q1 2007.

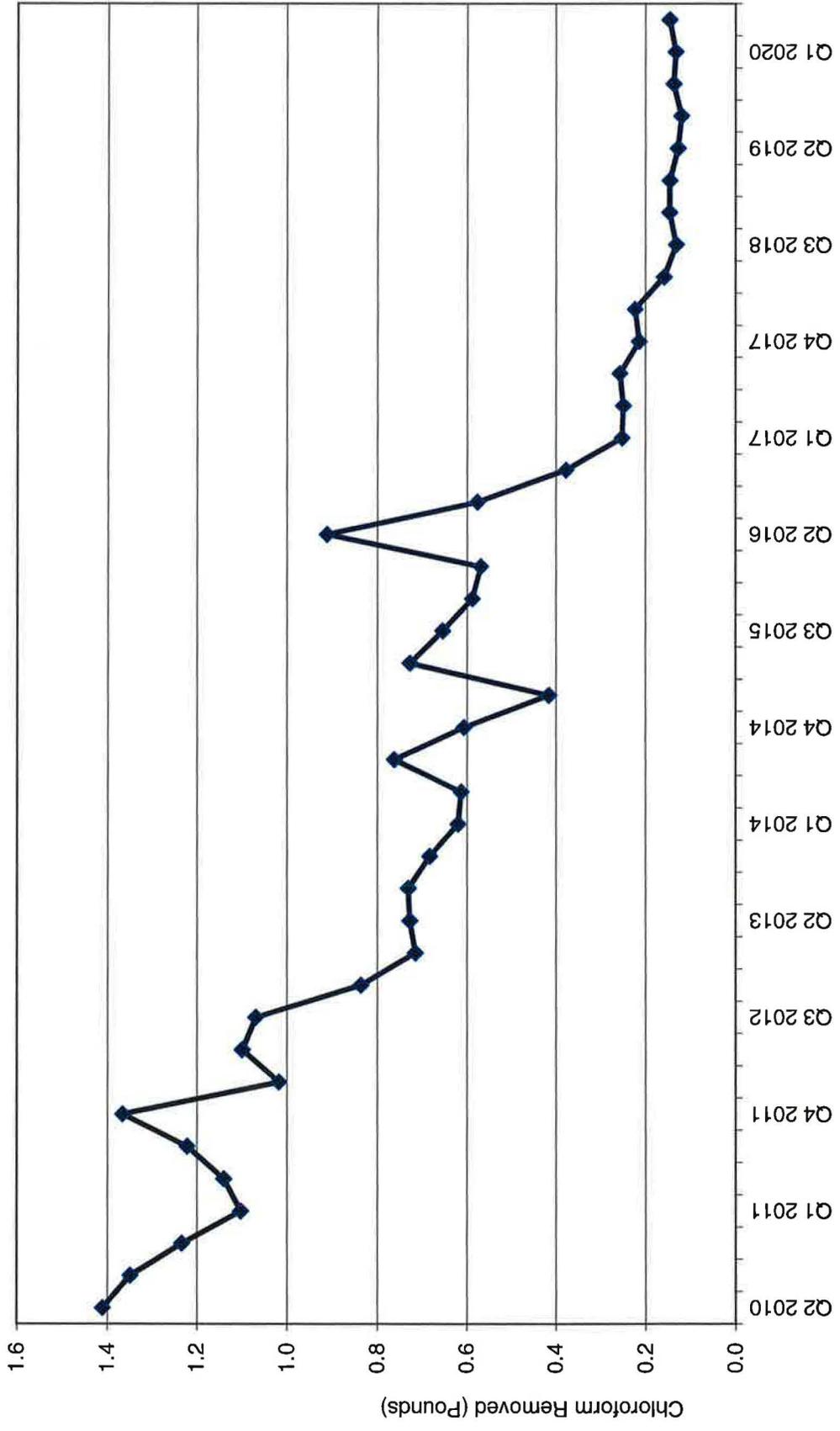


TW4-01 Mass of Chloroform Removed by Quarter (lbs.)

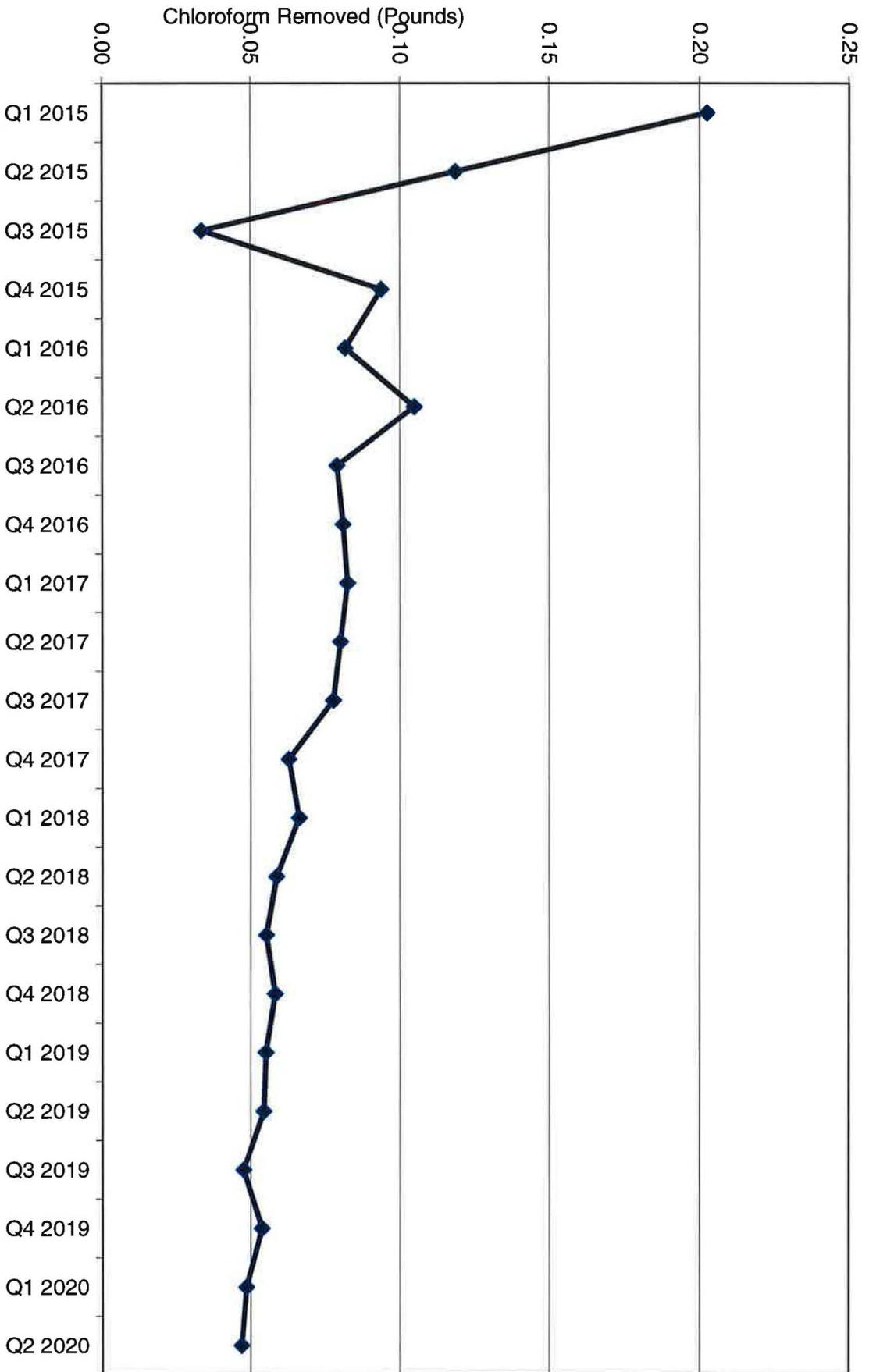
TW4-02 Mass of Chloroform Removed by Quarter (lbs.)



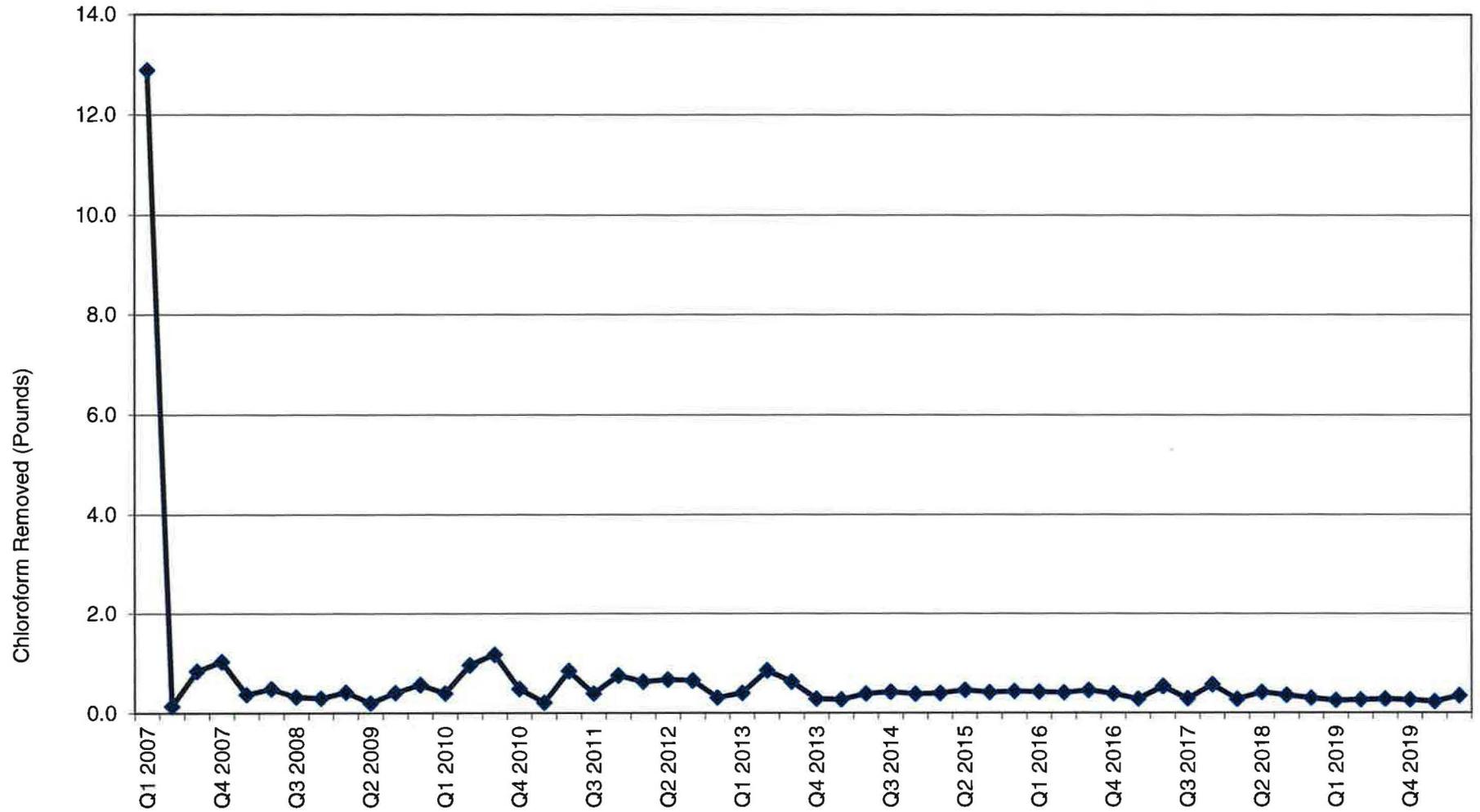
TW4-04 Mass of Chloroform Removed by Quarter (lbs.)



TW4-11 Mass of Chloroform Removed by Quarter (lbs.)

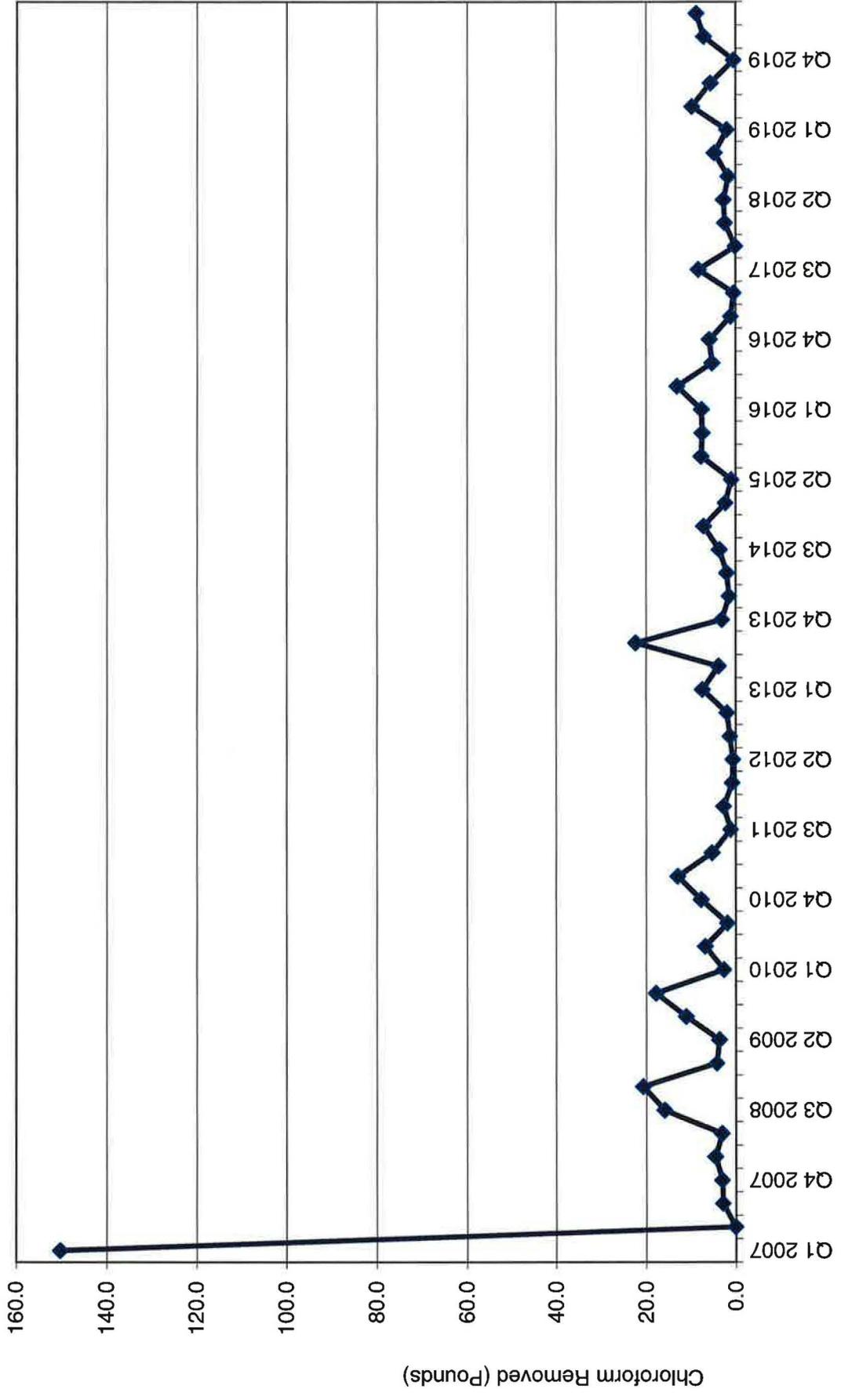


MW-26 Mass of Chloroform Removed by Quarter (lbs.)



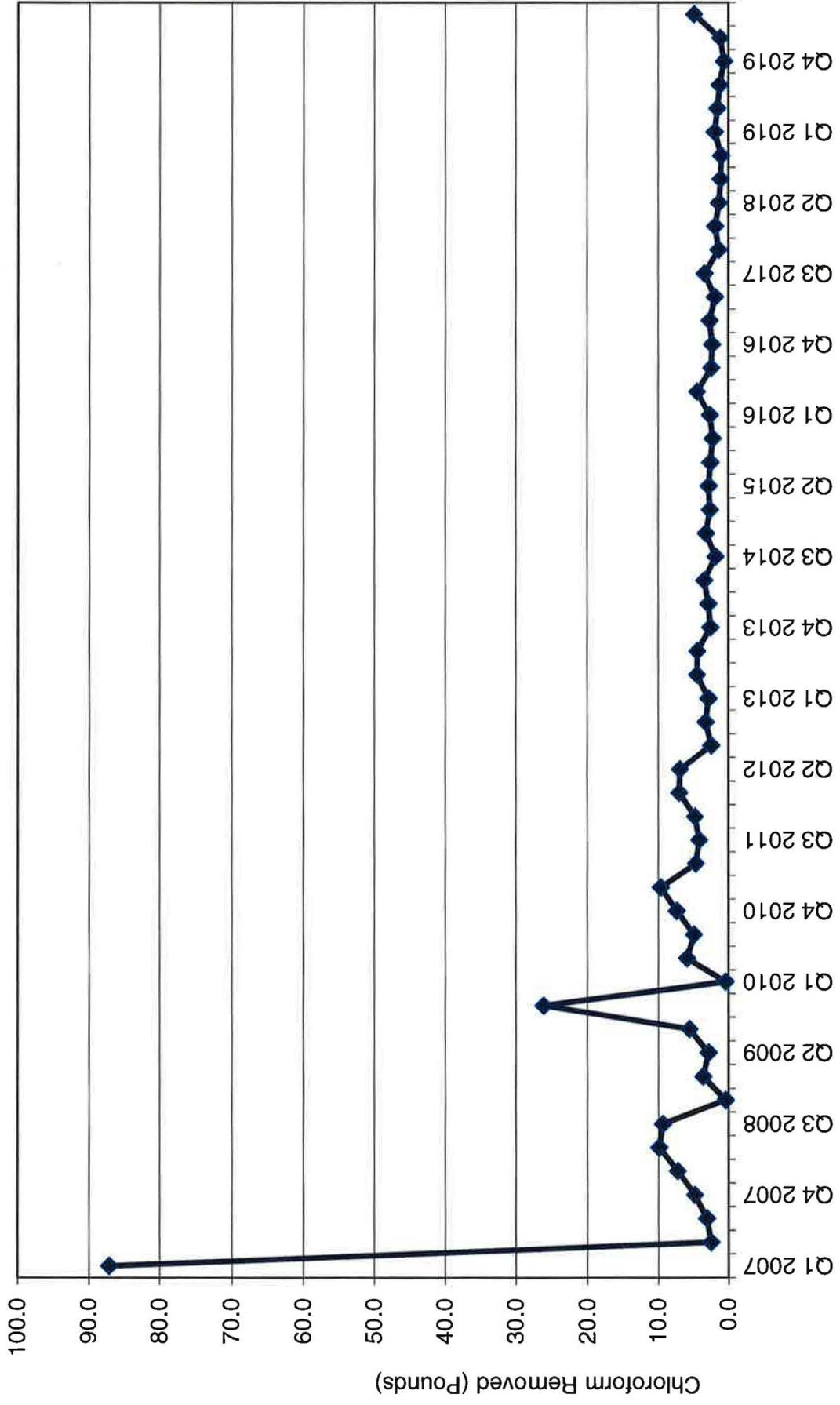
Q1 2007 represents the cumulative total prior to and including Q1 2007.

TW4-19 Mass of Chloroform Removed by Quarter (lbs.)



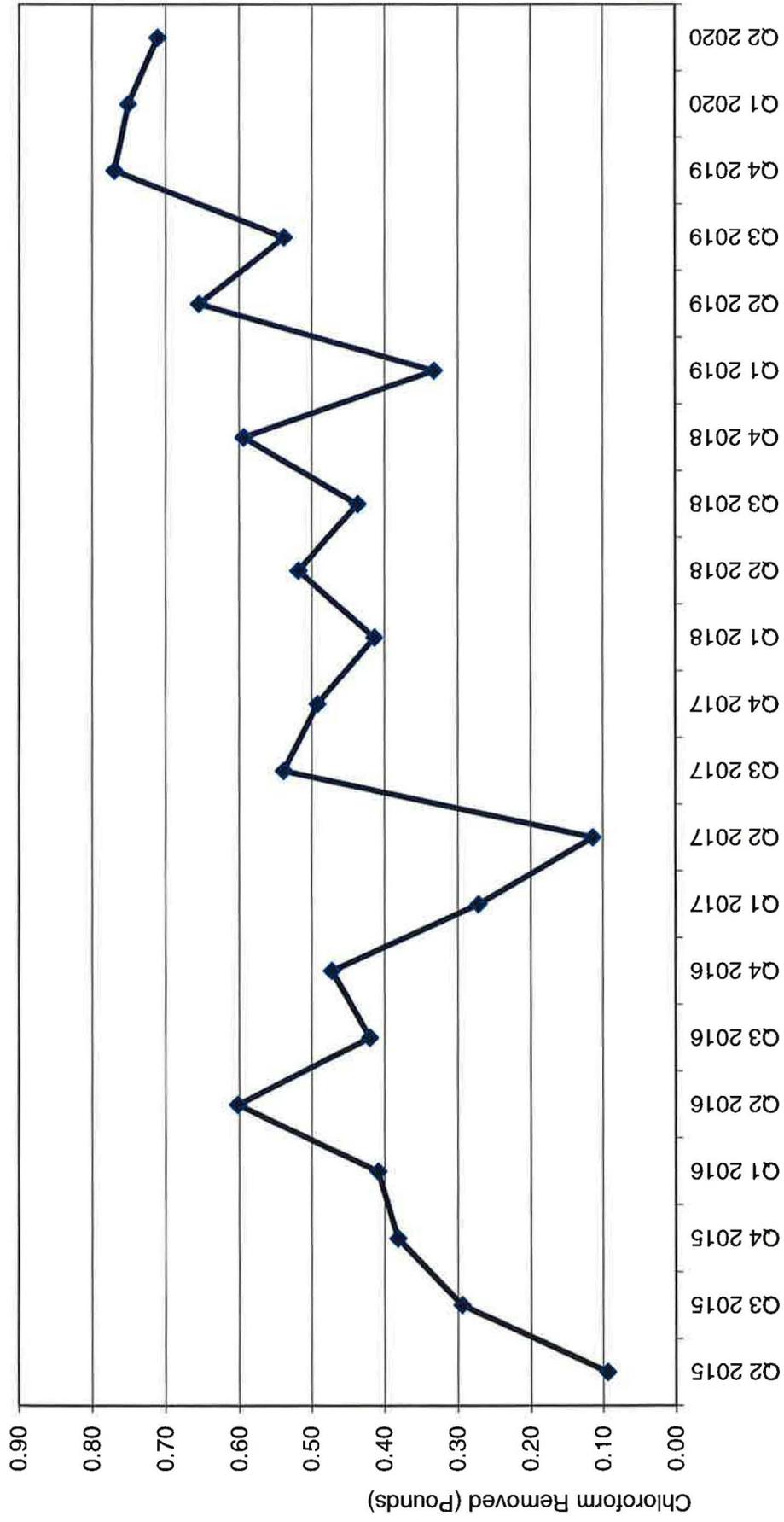
Q1 2007 represents the cumulative total prior to and including Q1 2007.

TW4-20 Mass of Chloroform Removed by Quarter (lbs.)

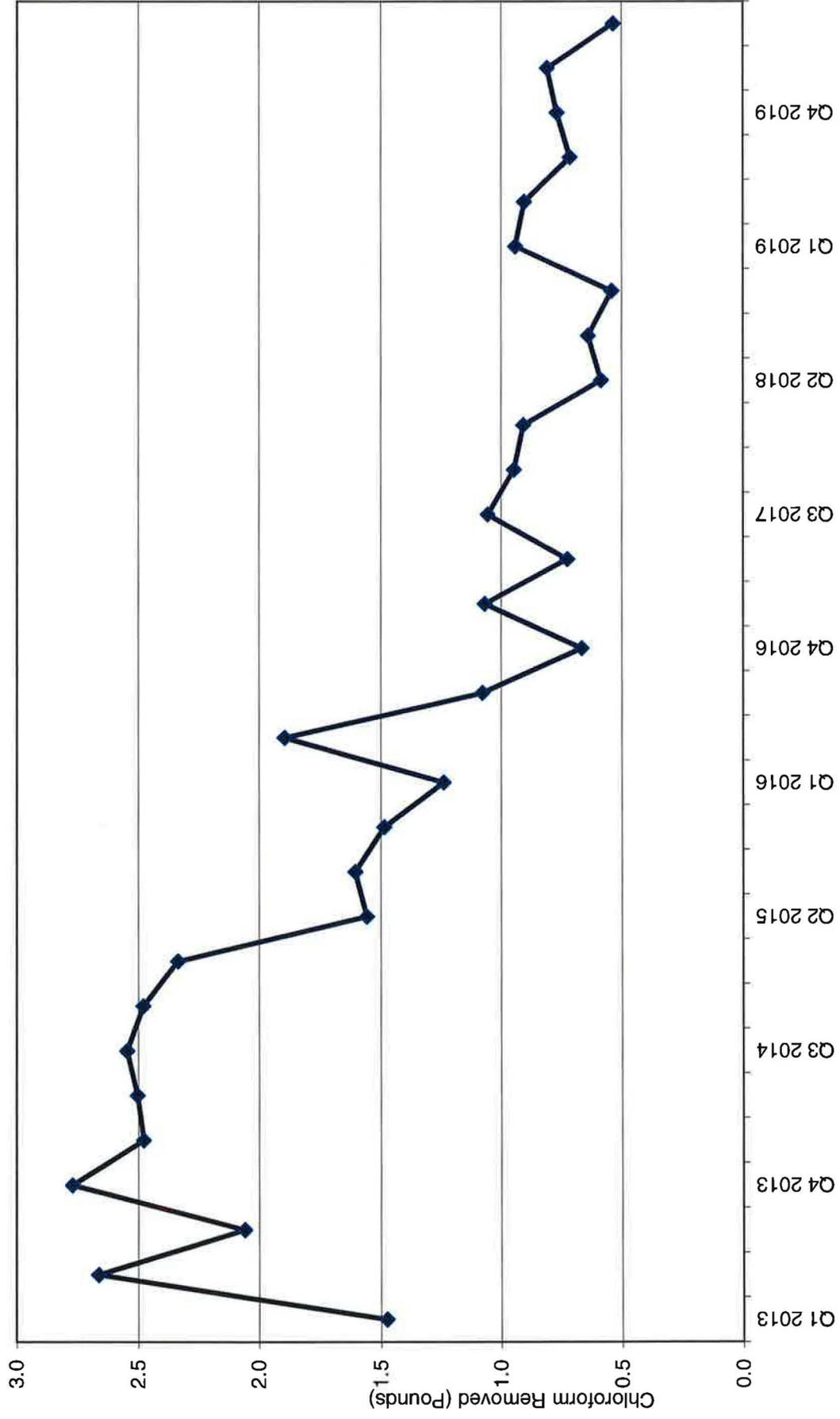


Q1 2007 represents the cumulative total prior to and including Q1 2007.

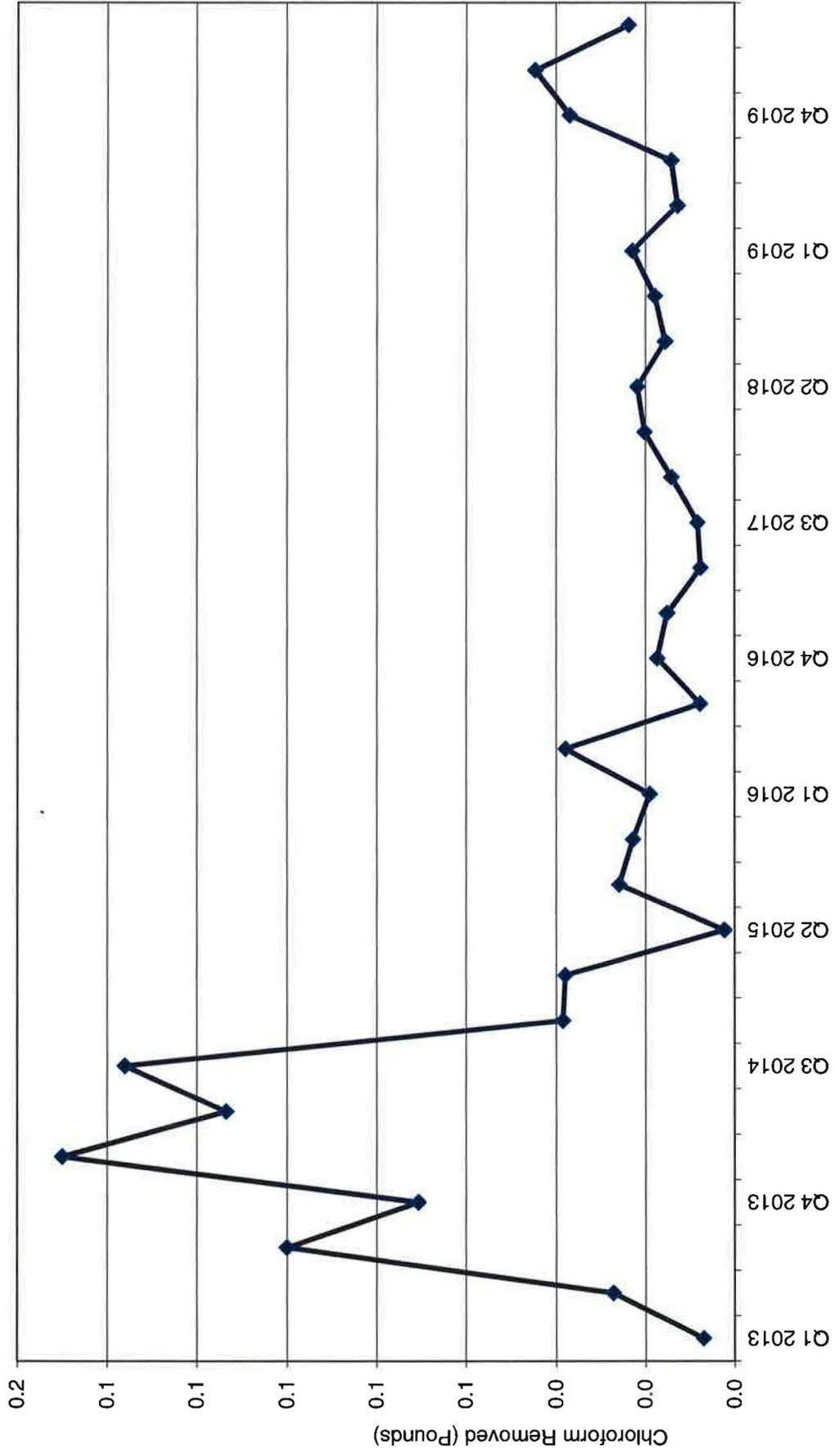
TW4-21 Mass of Chloroform Removed by Quarter (lbs.)



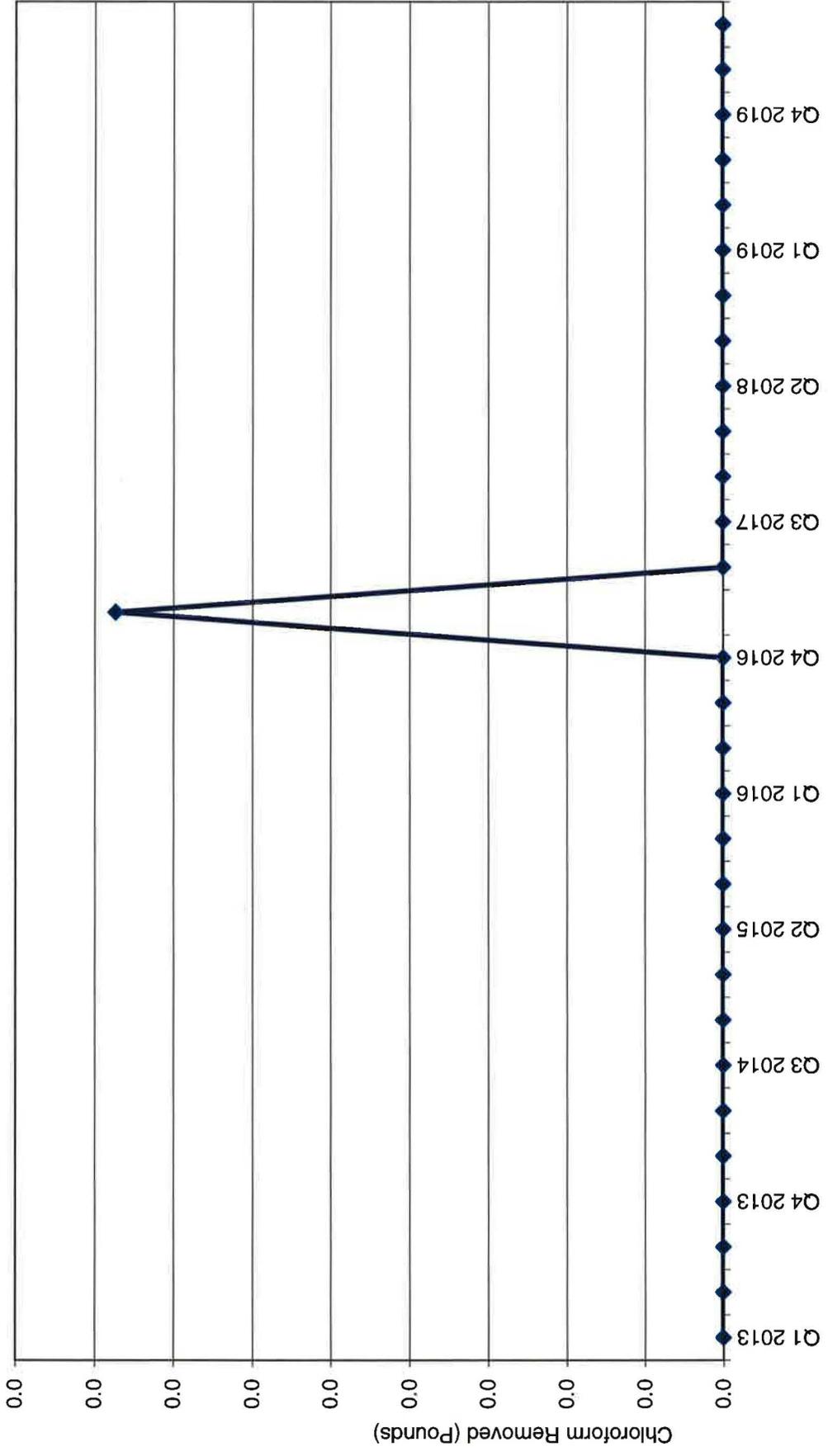
TW4-22 Mass of Chloroform Removed by Quarter (lbs.)



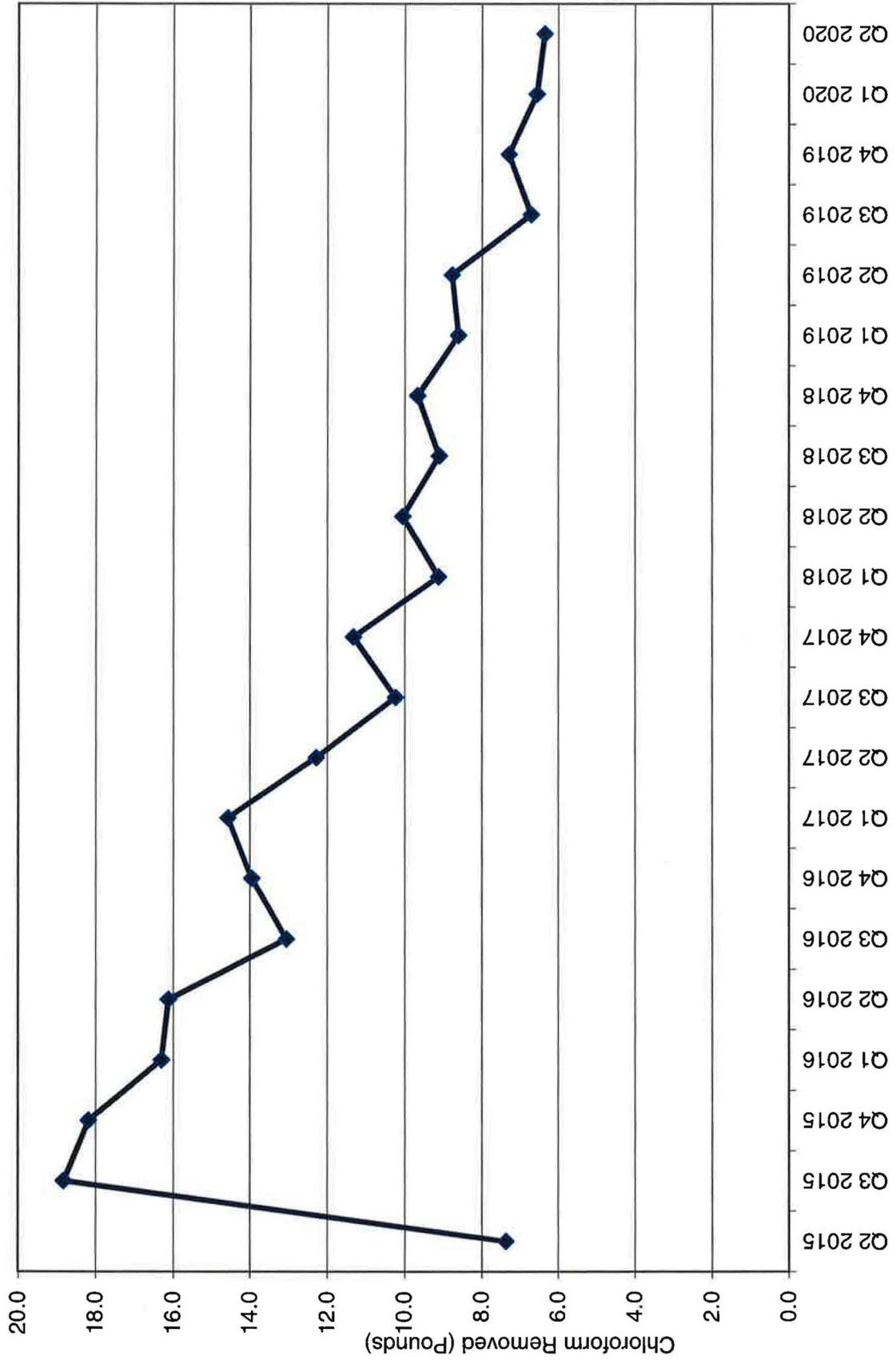
TW4-24 Mass of Chloroform Removed by Quarter (lbs.)



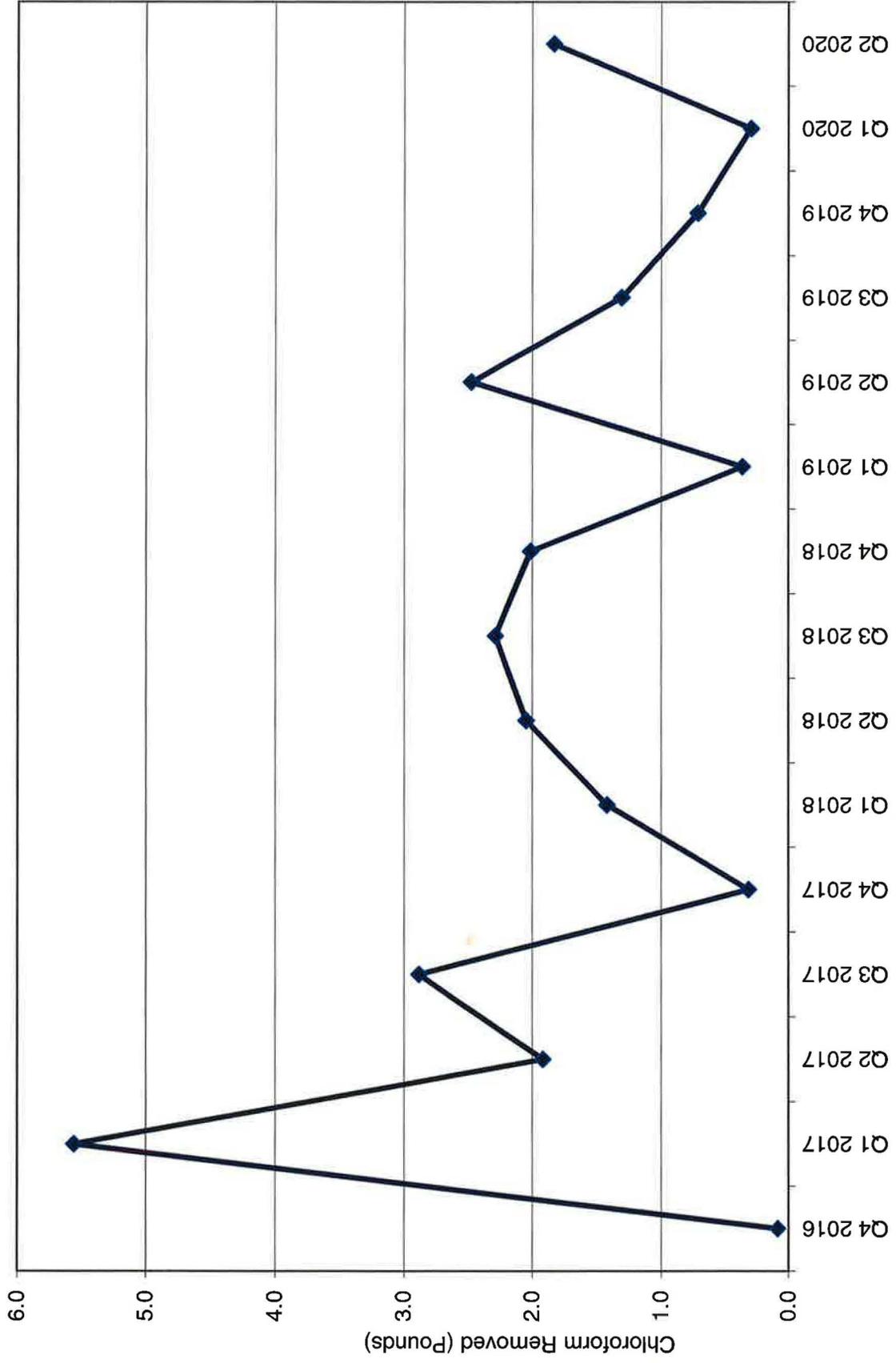
TW4-25 Mass of Chloroform Removed by Quarter (lbs.)



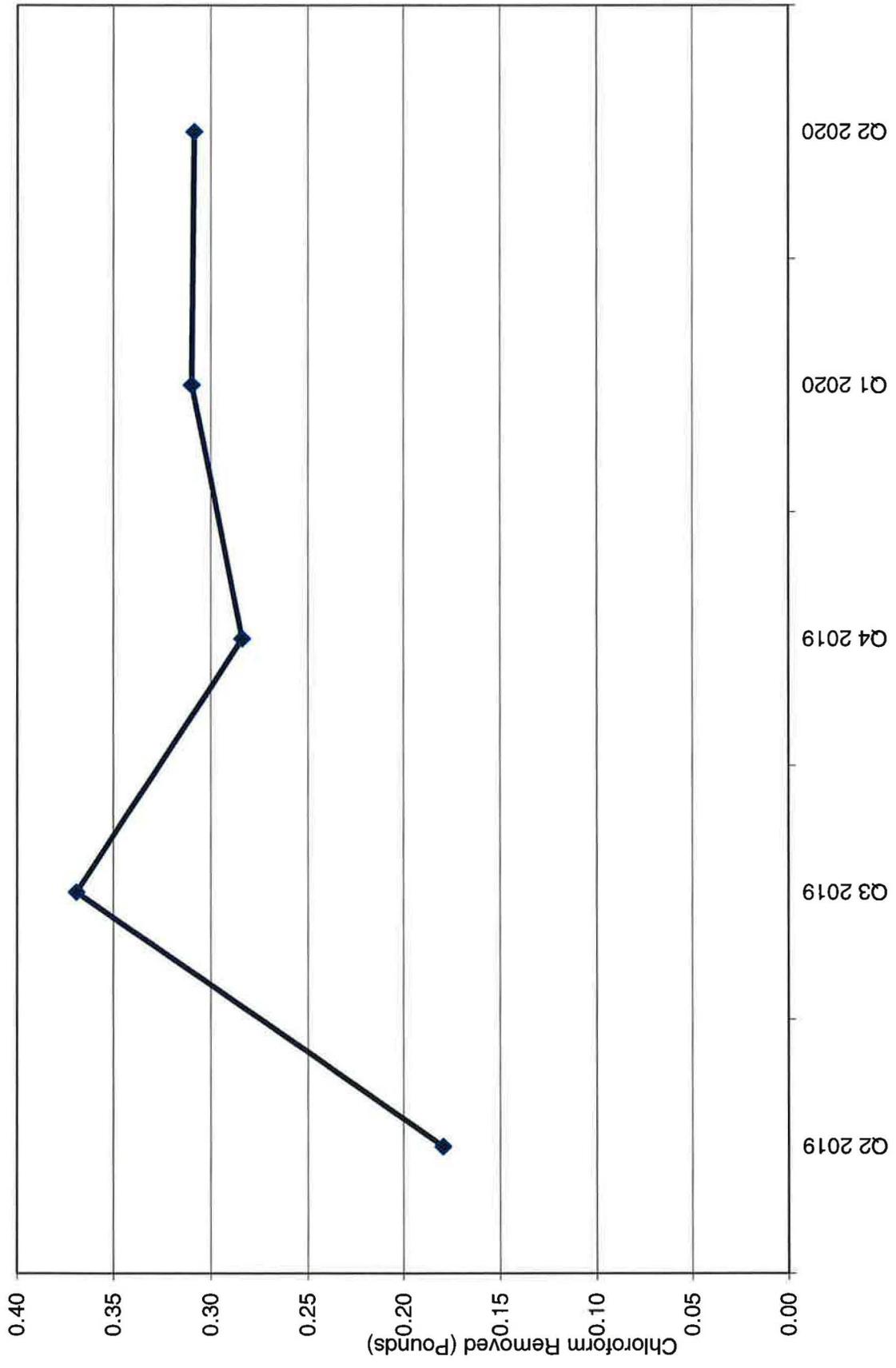
TW4-37 Mass of Chloroform Removed by Quarter (lbs.)



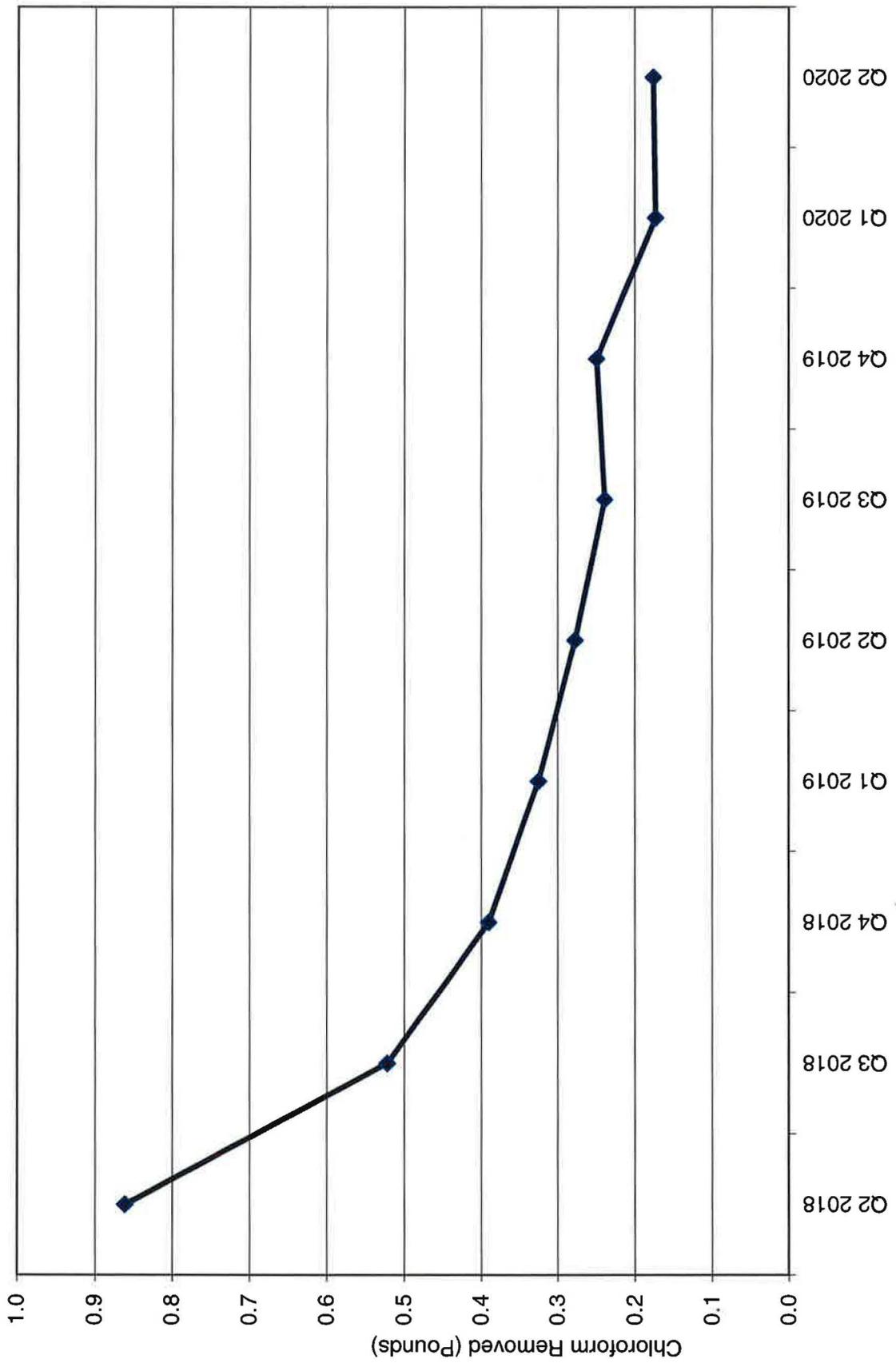
TW4-39 Mass of Chloroform Removed by Quarter (lbs.)



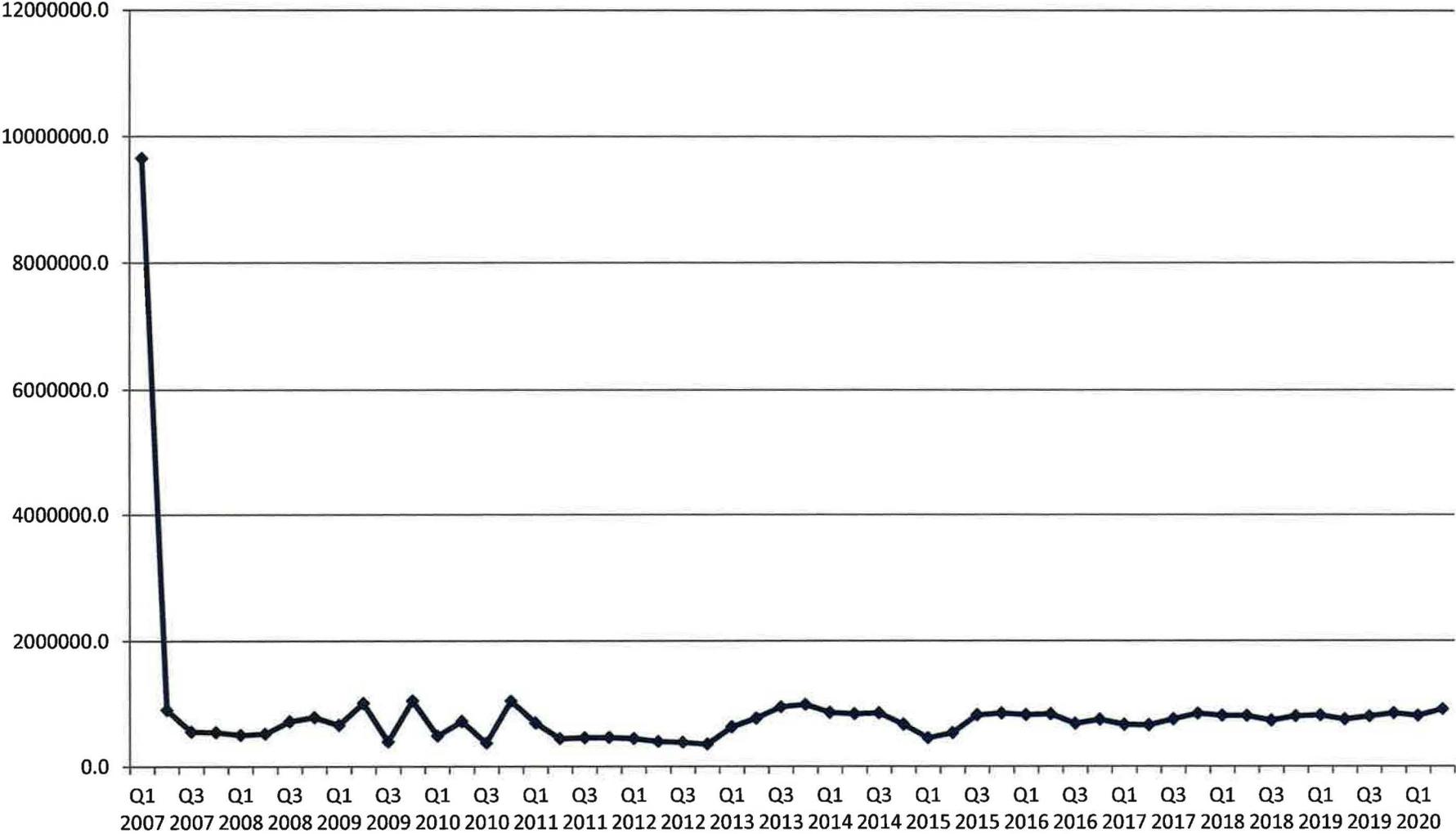
TW4-40 Mass of Chloroform Removed by Quarter (lbs.)



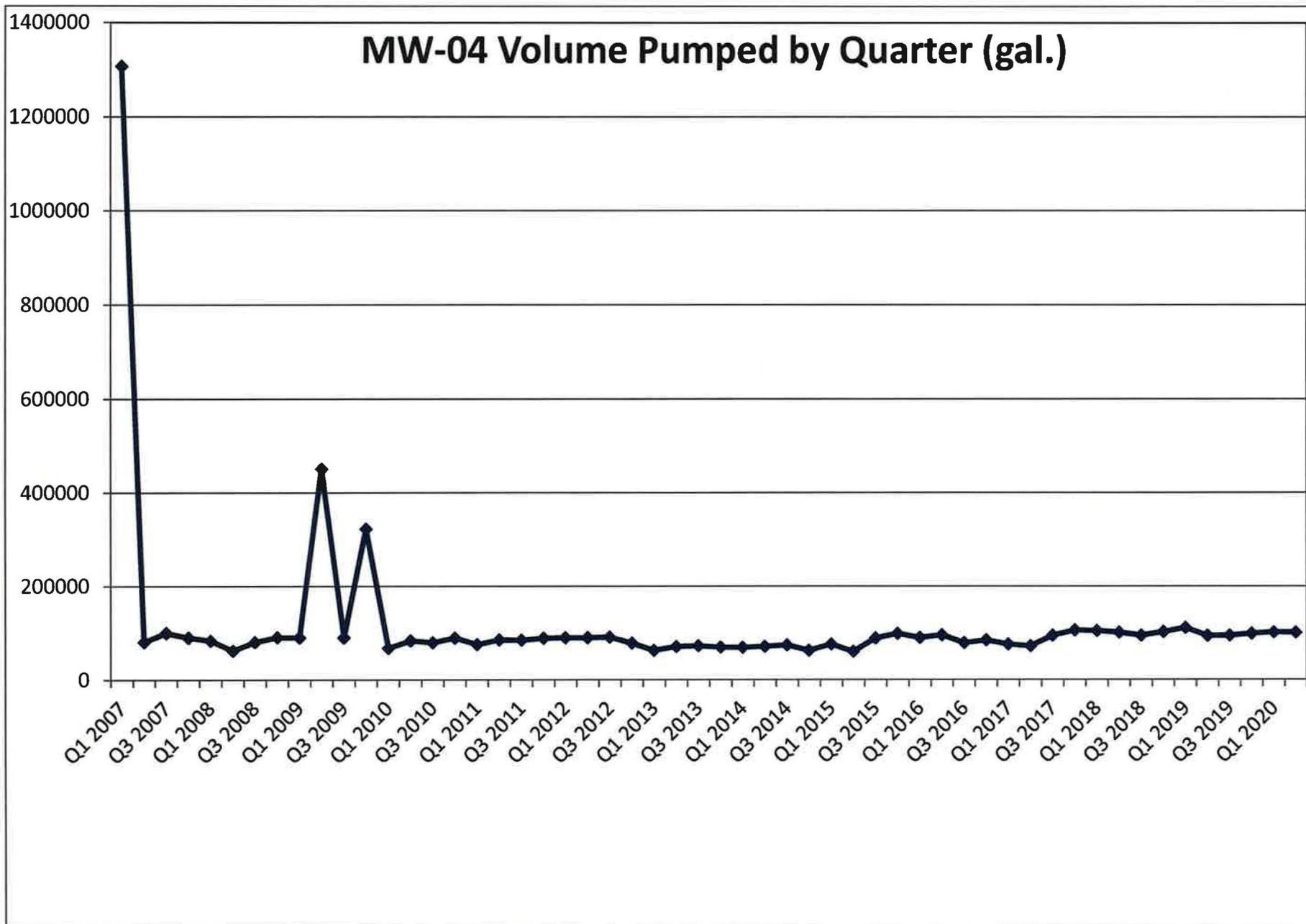
TW4-41 Mass of Chloroform Removed by Quarter (lbs.)



Volume Pumped by Quarter (gal.)

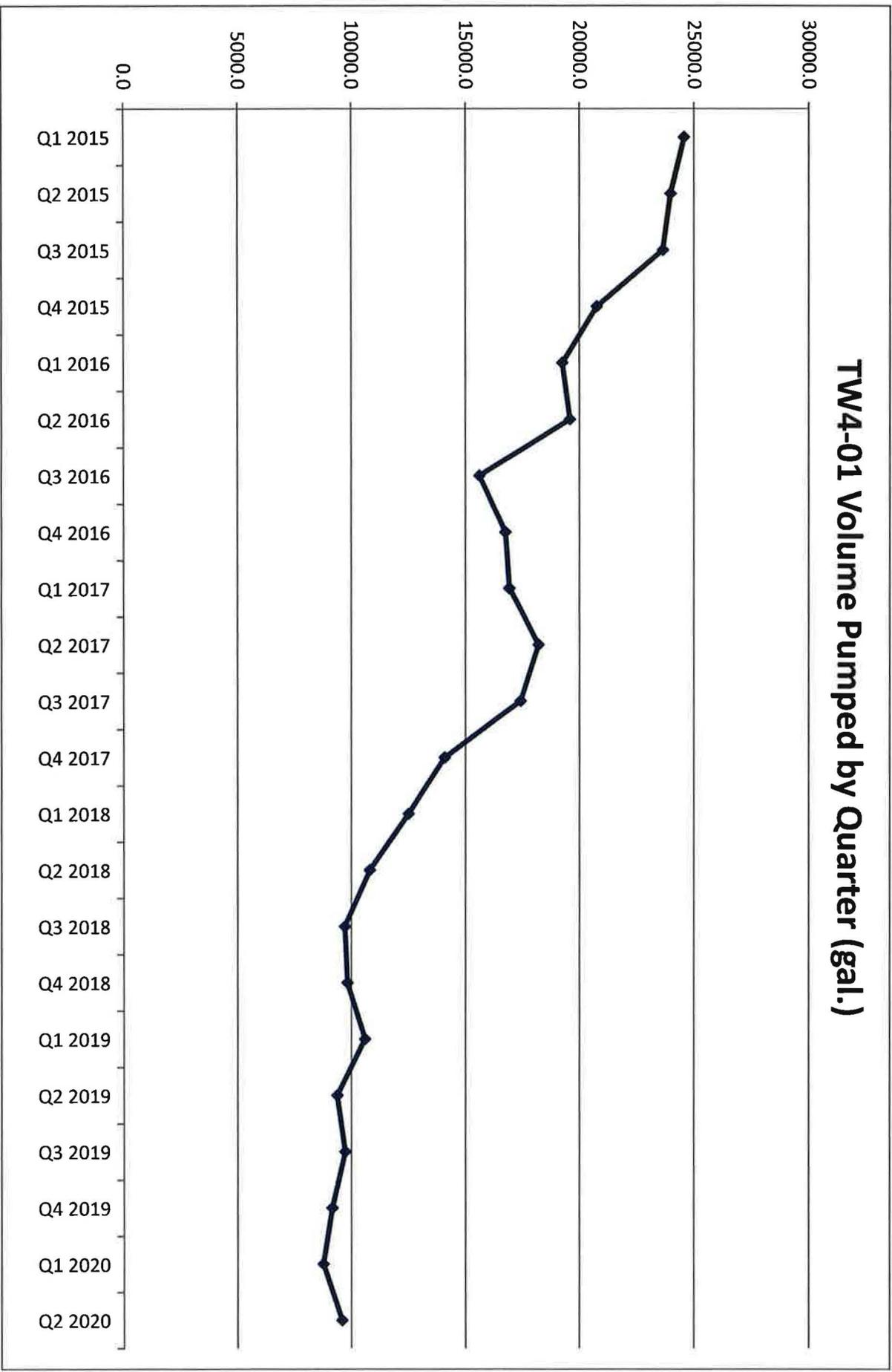


Q1 2007 represents the cumulative total prior to and including Q1 2007.

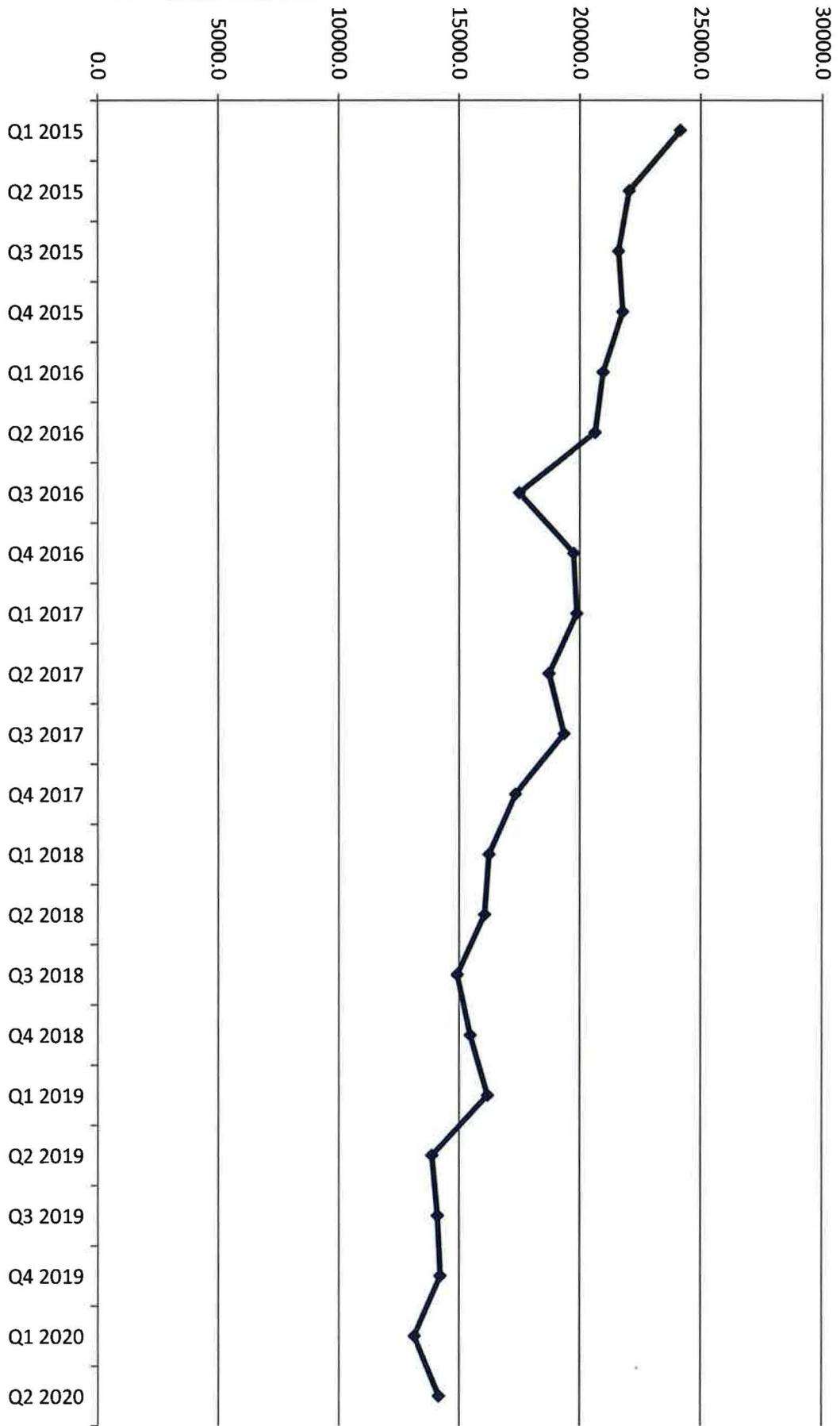


Q1 2007 represents the cumulative total prior to and including Q1 2007.

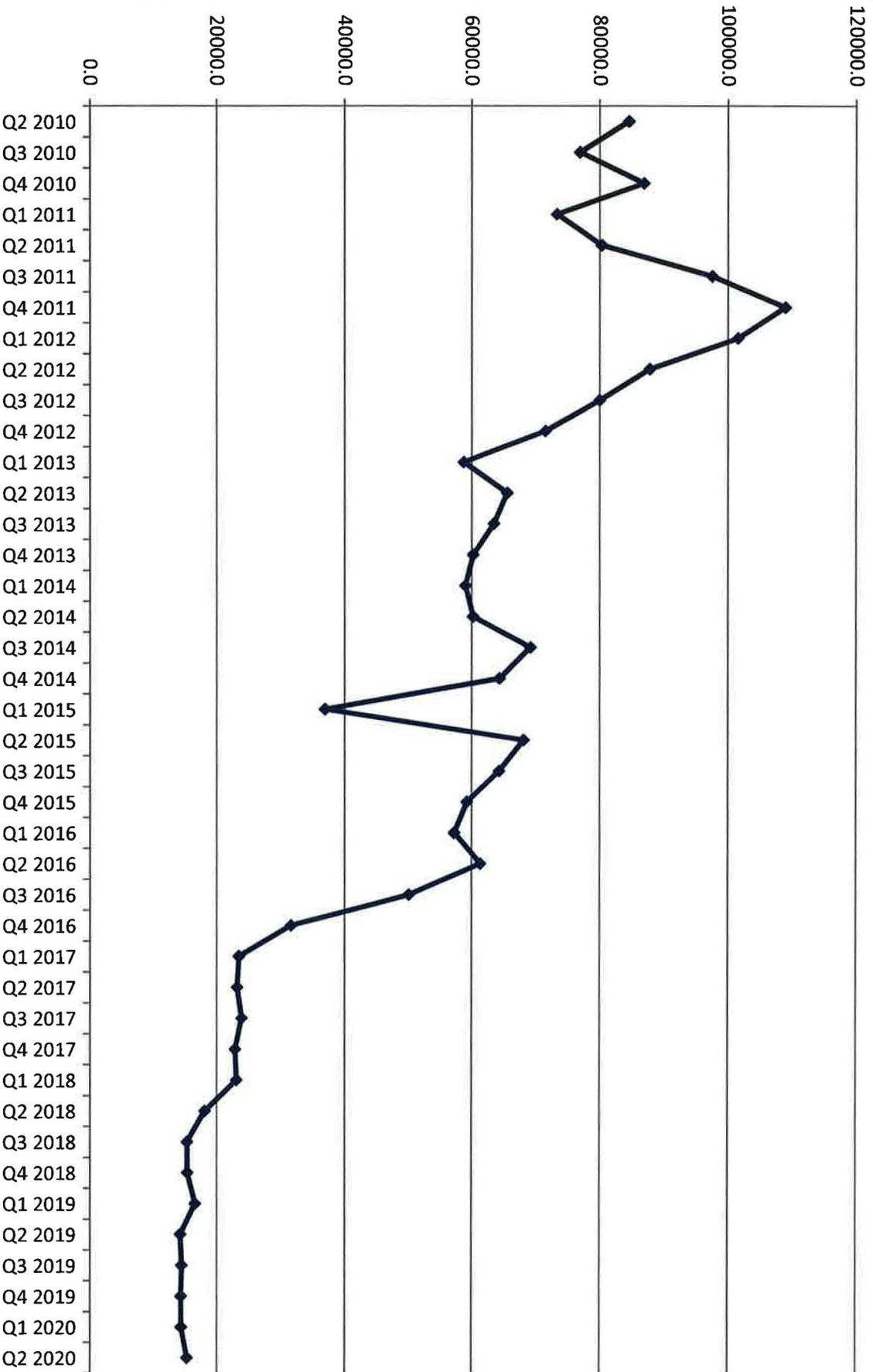
TW4-01 Volume Pumped by Quarter (gal.)



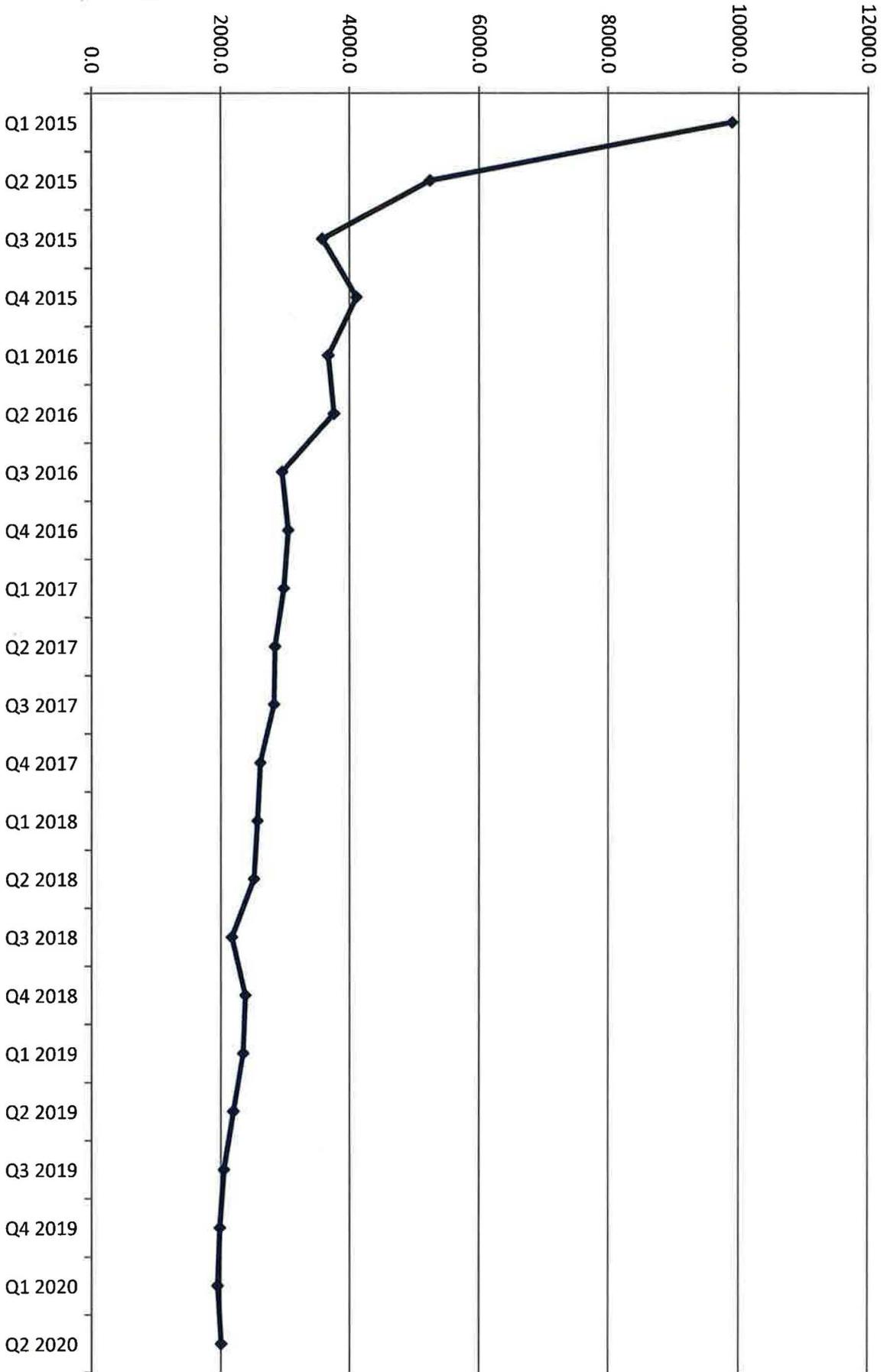
TW4-02 Volume Pumped by Quarter (gal.)



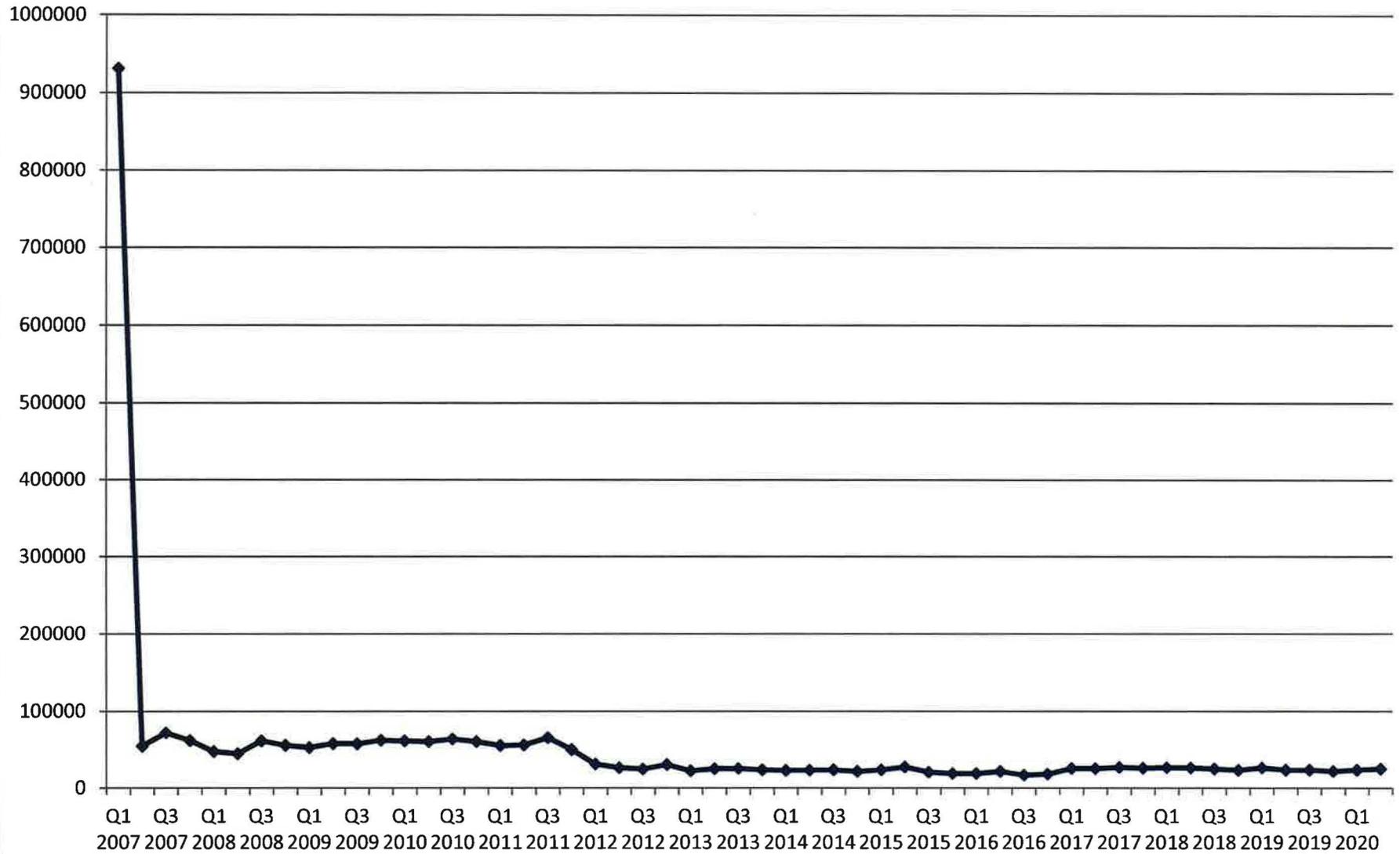
TW4-04 Volume Pumped by Quarter (gal.)



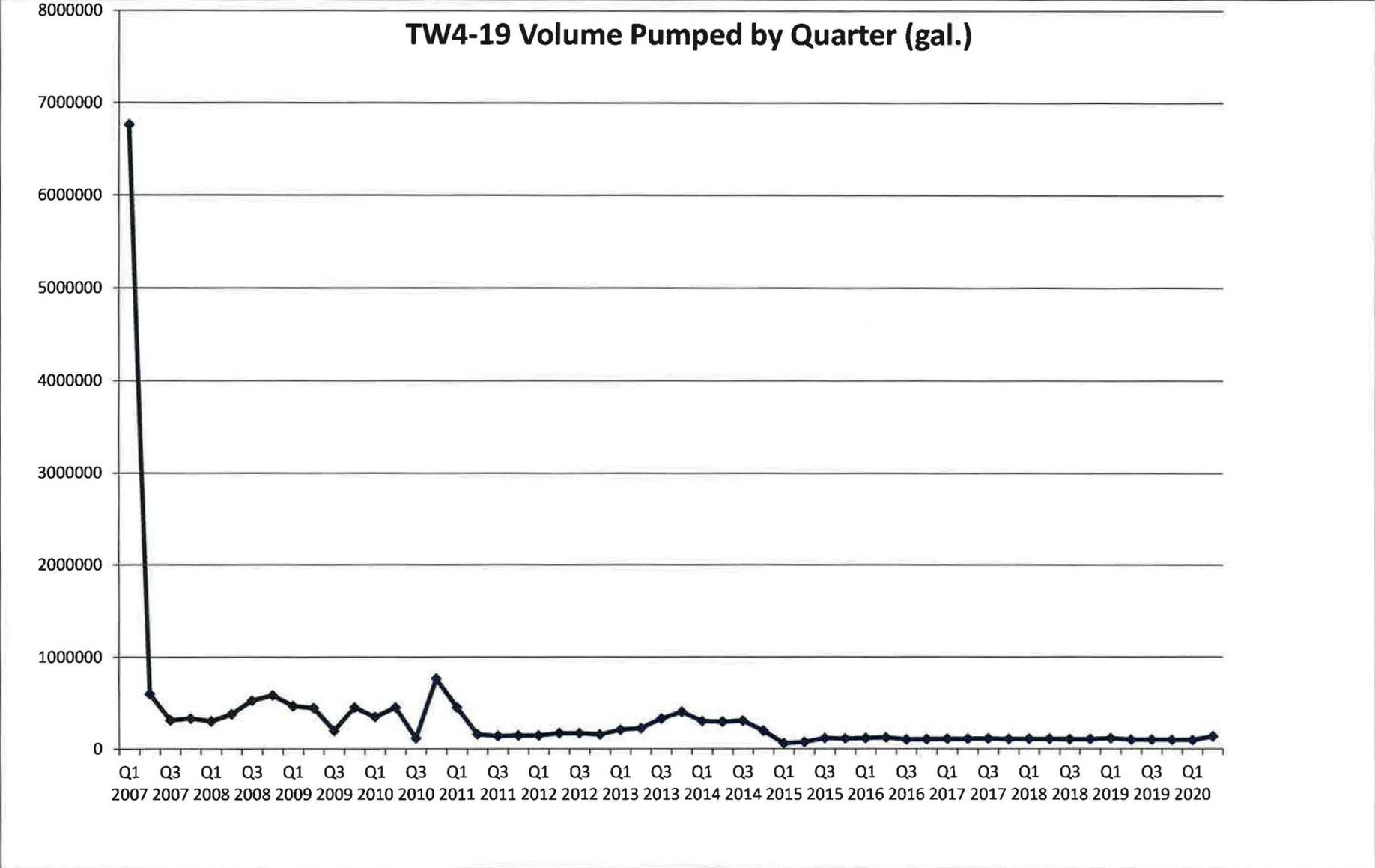
TW4-11 Volume Pumped by Quarter (gal.)



MW-26 Volume Pumped by Quarter (gal.)

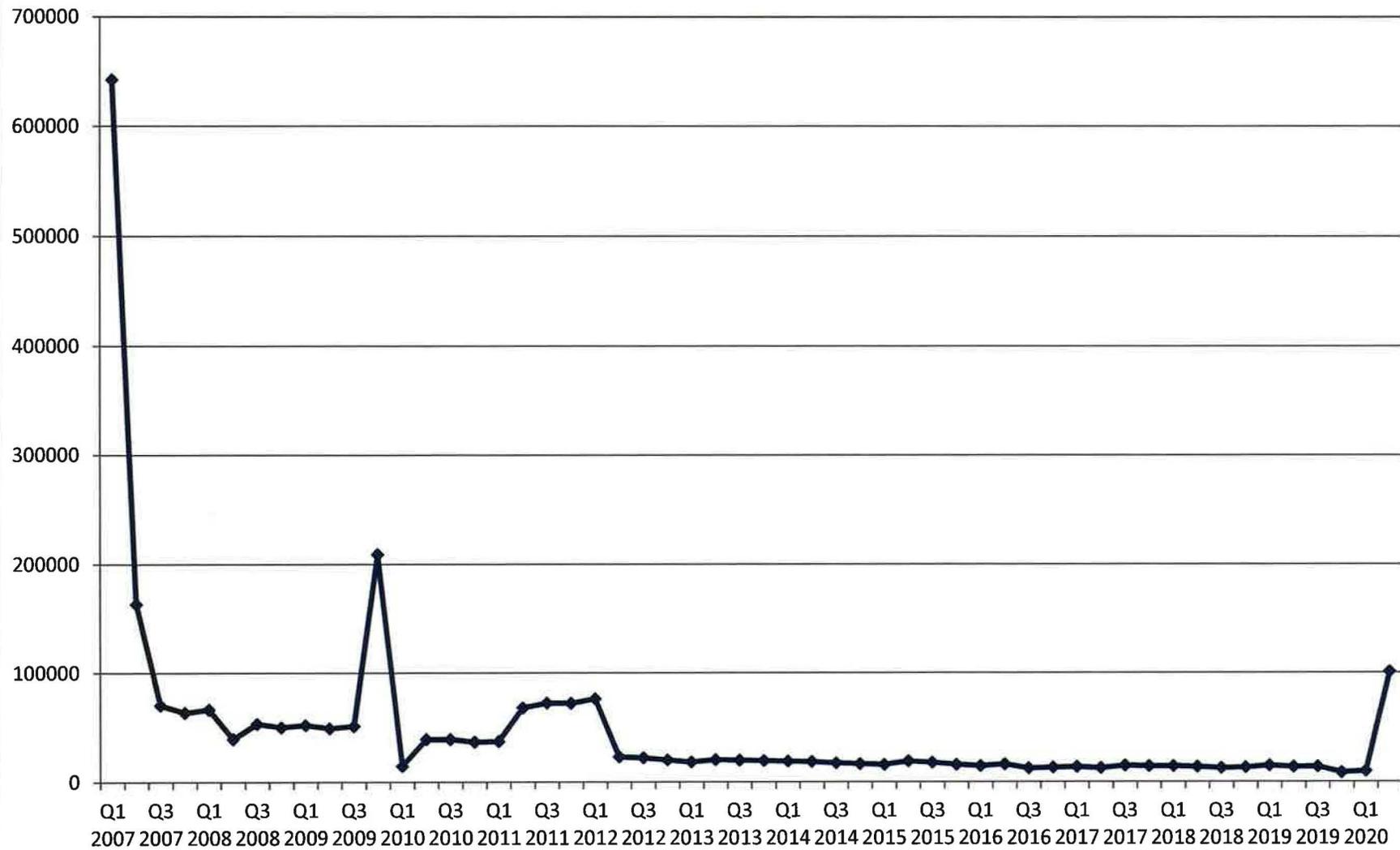


Q1 2007 represents the cumulative total prior to and including Q1 2007.



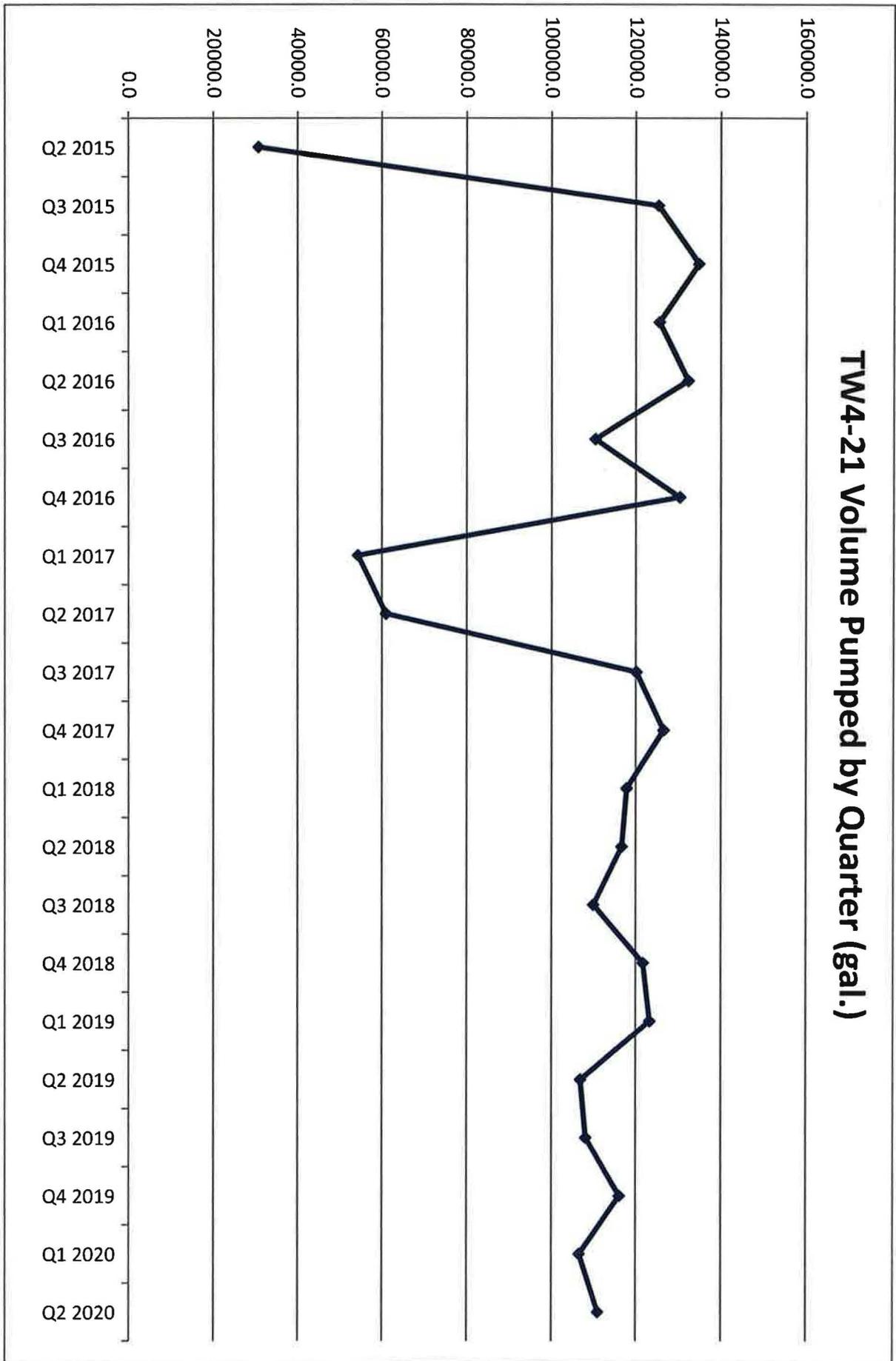
Q1 2007 represents the cumulative total prior to and including Q1 2007.

TW4-20 Volume Pumped by Quarter (gal.)

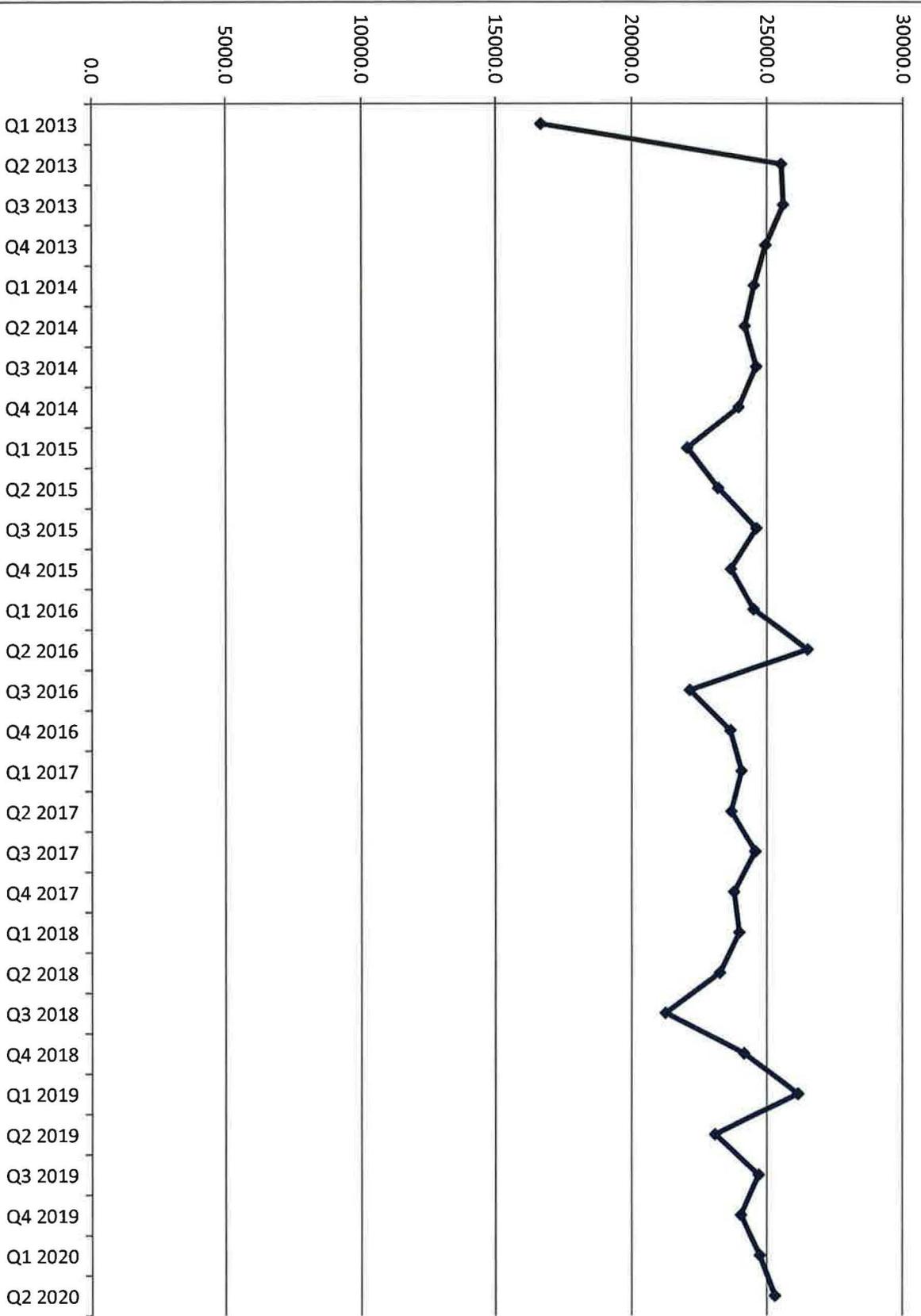


Q1 2007 represents the cumulative total prior to and including Q1 2007.

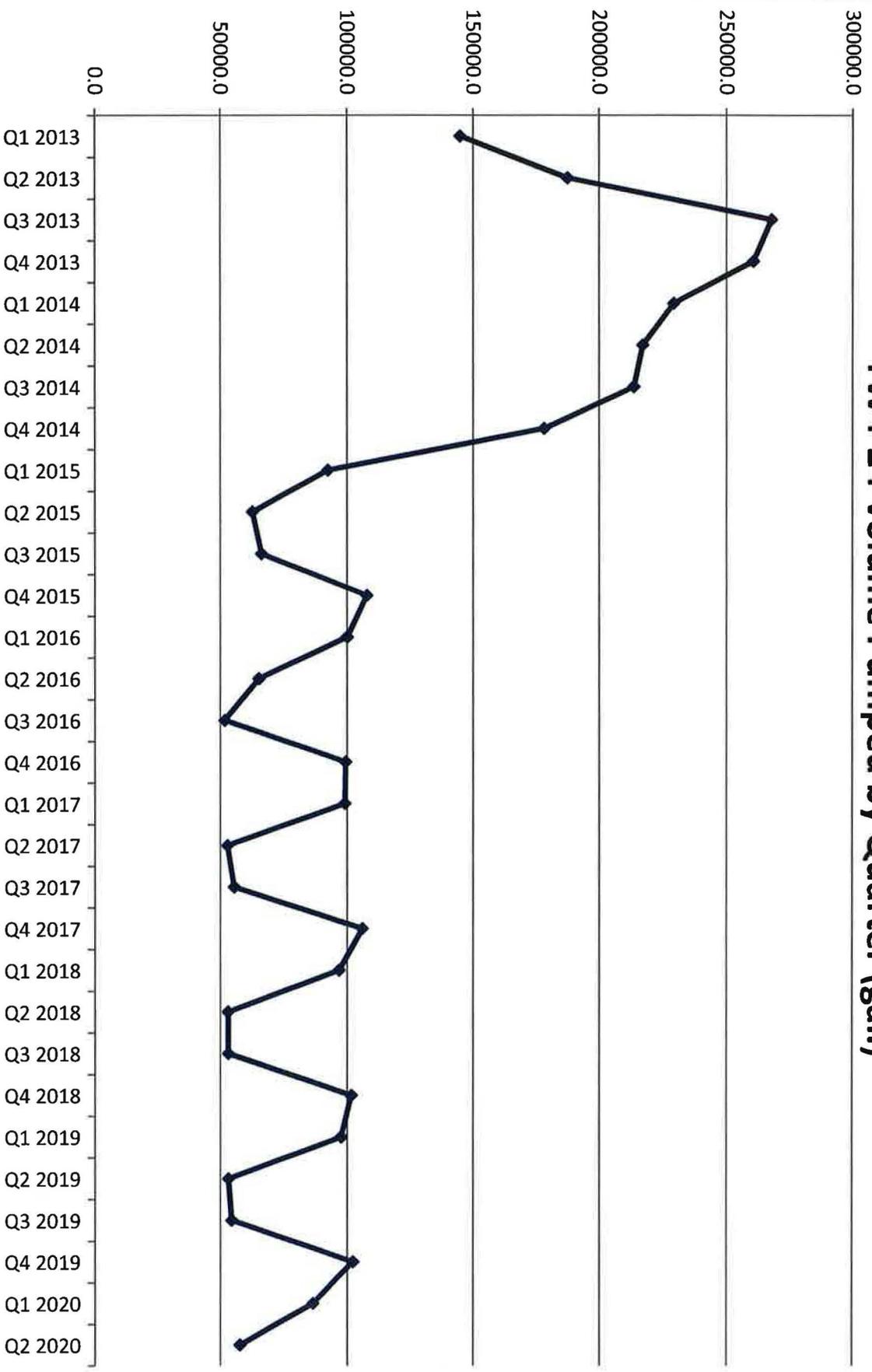
TW4-21 Volume Pumped by Quarter (gal.)



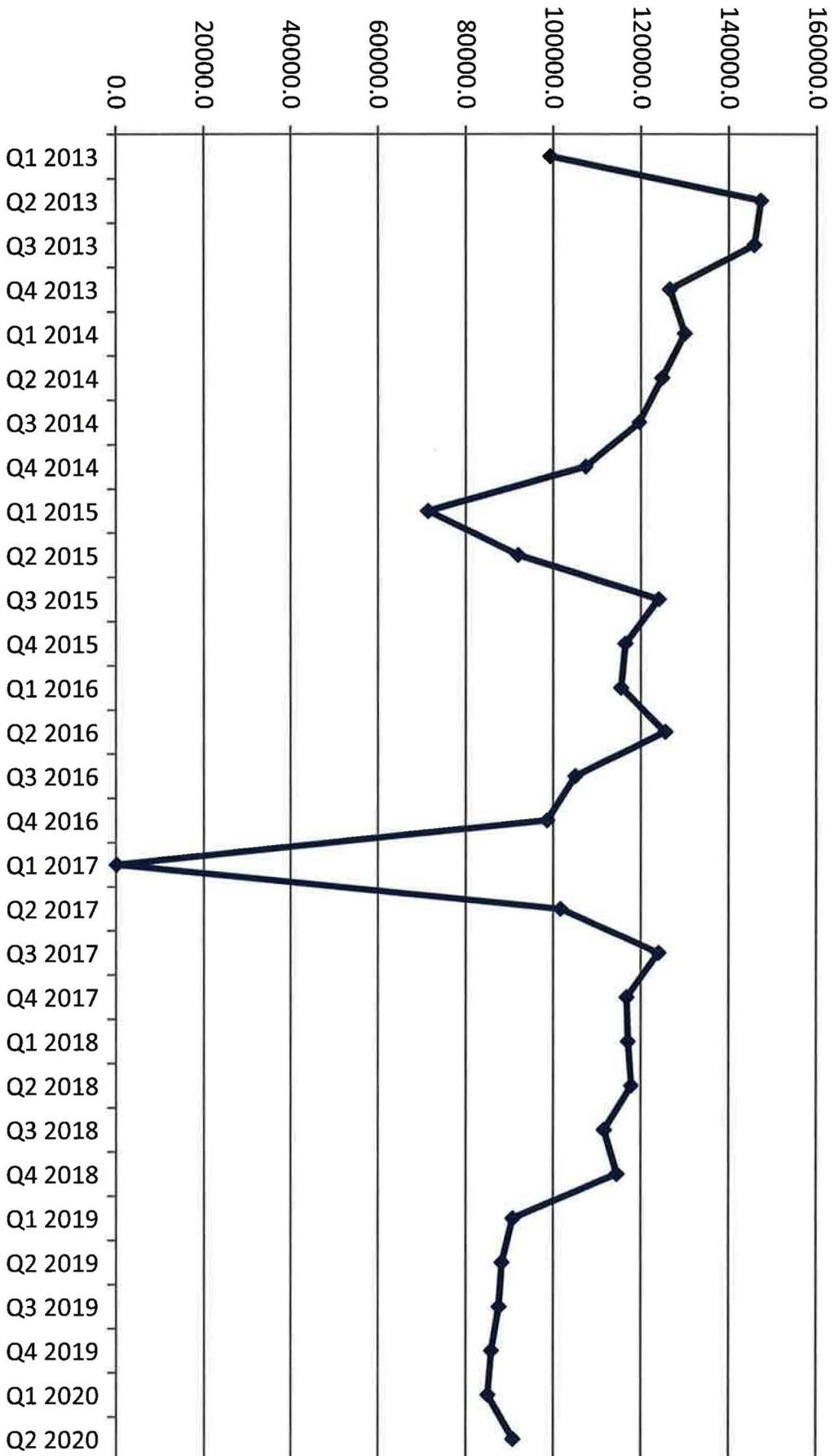
TW4-22 Volume Pumped by Quarter (gal.)



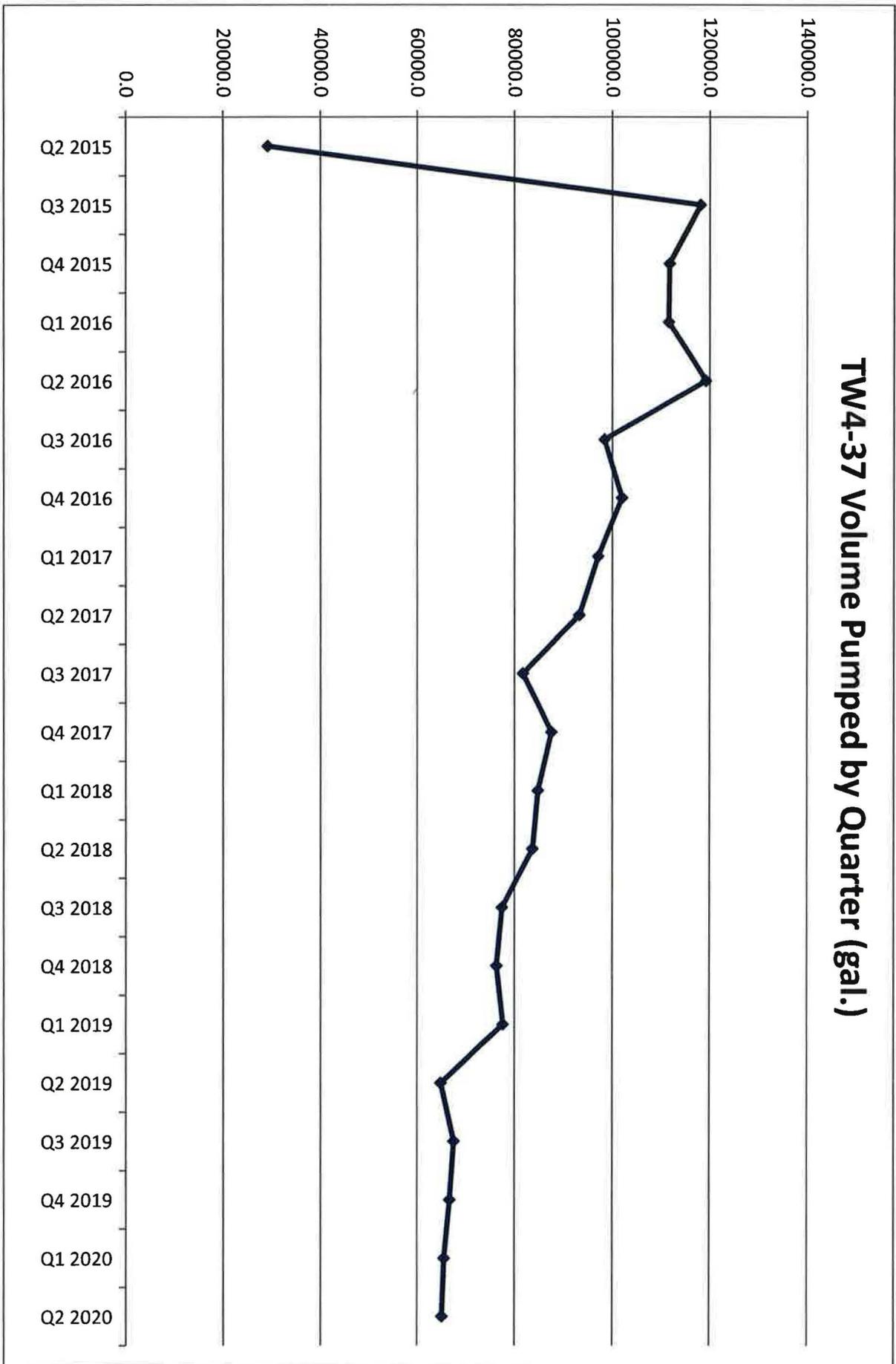
TW4-24 Volume Pumped by Quarter (gal.)



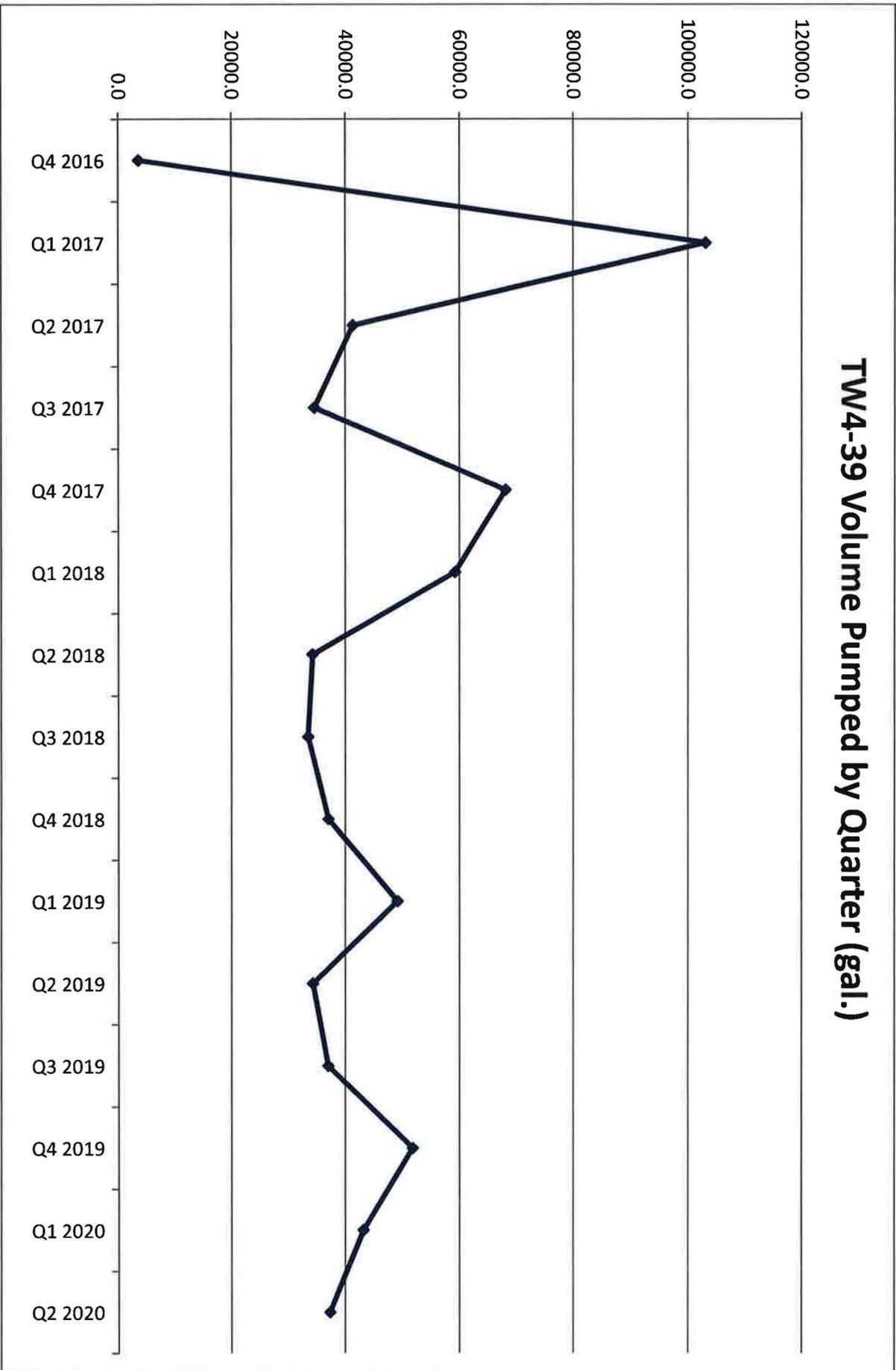
TW4-25 Volume Pumped by Quarter (gal.)



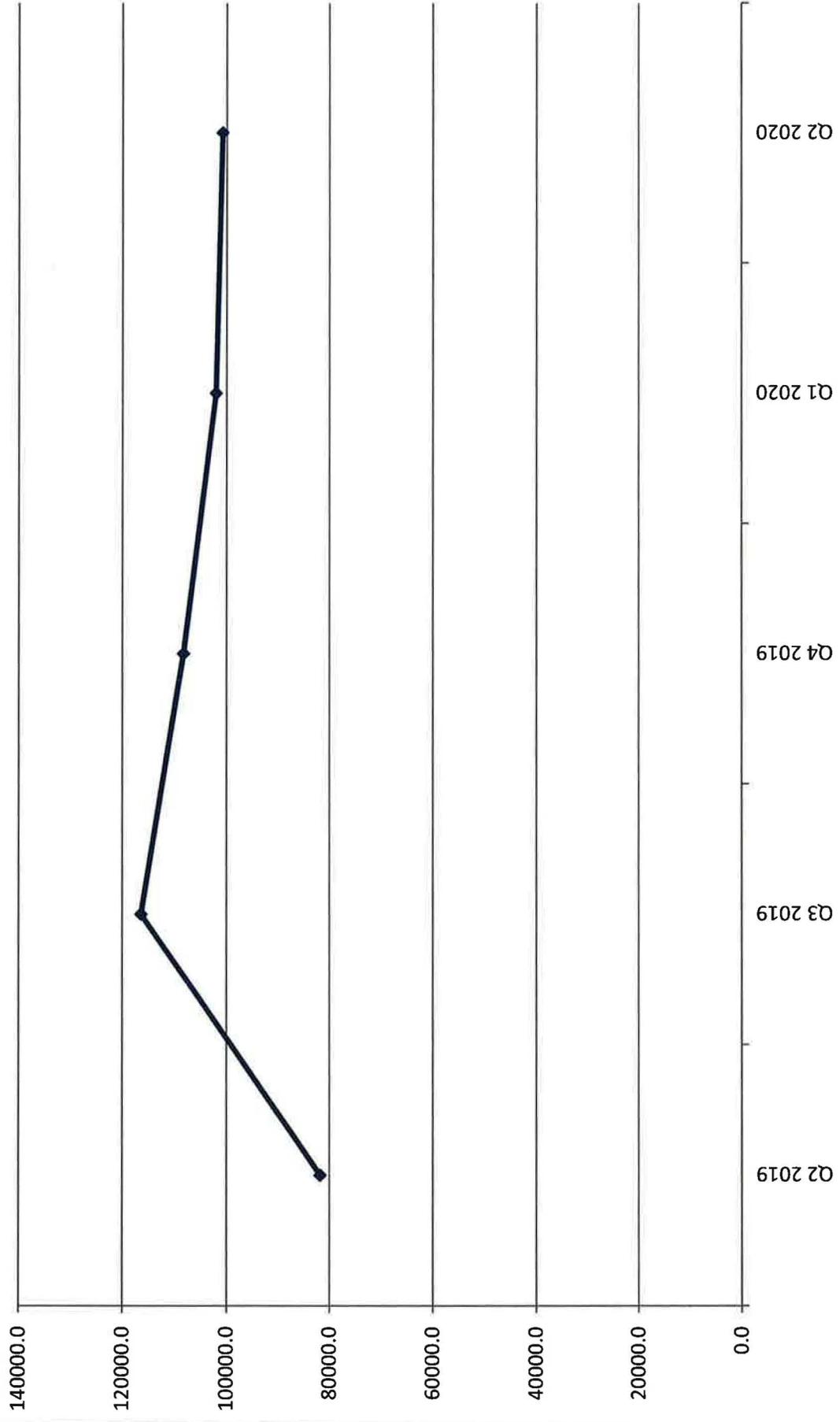
TW4-37 Volume Pumped by Quarter (gal.)



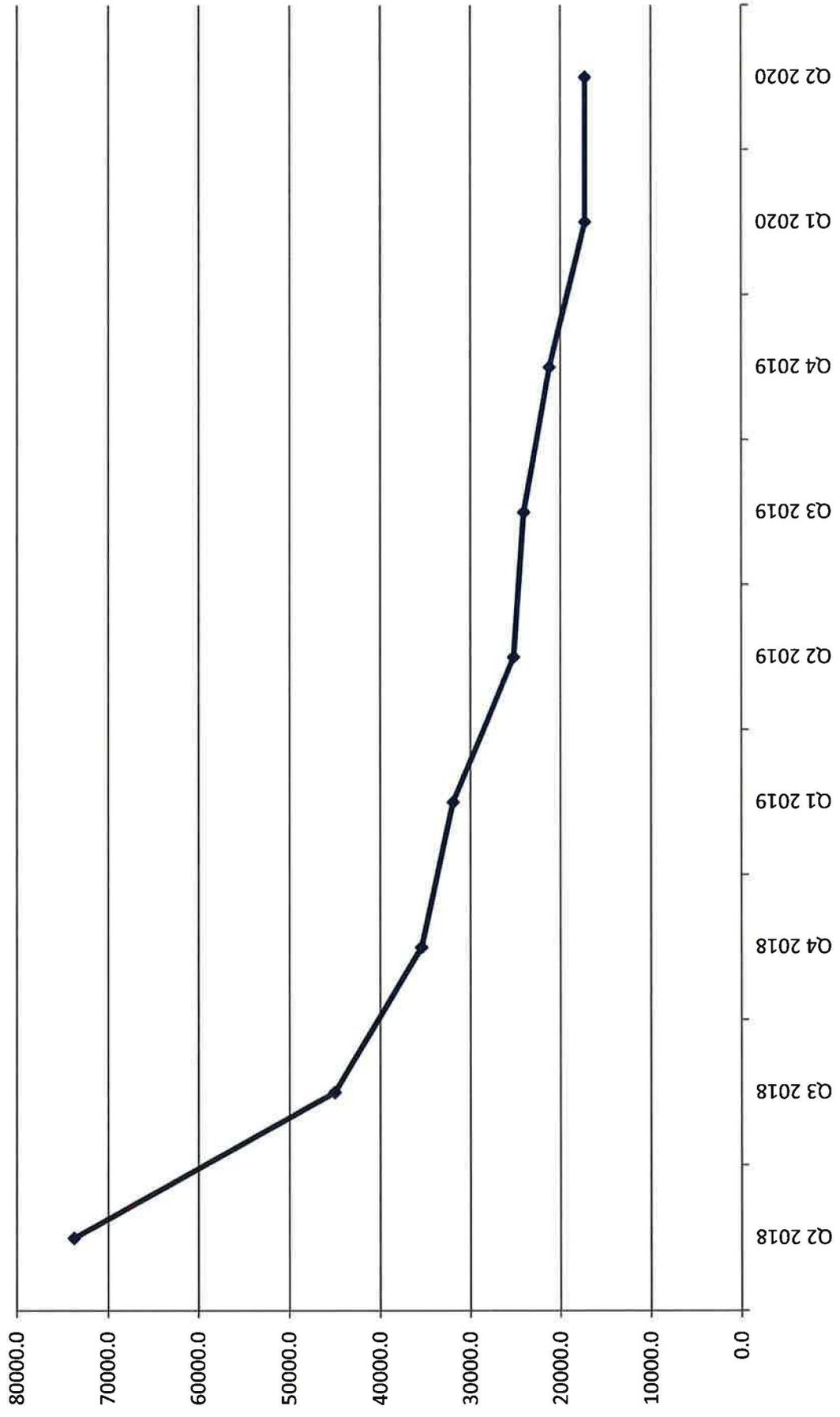
TW4-39 Volume Pumped by Quarter (gal.)



TW4-40 Volume Pumped by Quarter (gal.)



TW4-41 Volume Pumped by Quarter (gal.)



Tab H

Laboratory Analytical Reports



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-010C
Client Sample ID: MW-04_05272020
Collection Date: 5/27/2020 1037h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/3/2020 820h **Extracted:**
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	1,250	~

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	1,020	1,000	102	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	987	1,000	98.7	80-152	
Surr: Dibromofluoromethane		1868-53-7	983	1,000	98.3	72-135	
Surr: Toluene-d8		2037-26-5	1,010	1,000	101	80-124	

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

Analyzed: 6/2/2020 1256h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	50.5	50.00	101	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	49.1	50.00	98.2	80-152	
Surr: Dibromofluoromethane		1868-53-7	49.4	50.00	98.9	72-135	
Surr: Toluene-d8		2037-26-5	49.8	50.00	99.7	80-124	

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



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-010
Client Sample ID: MW-04_05272020
Collection Date: 5/27/2020 1037h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/9/2020 1906h	E300.0	1.00	40.7	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1431h	E353.2	0.100	5.04	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-008C
Client Sample ID: TW4-01_05272020
Collection Date: 5/27/2020 1205h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/2/2020 1215h **Extracted:**
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	499	~

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	509	500.0	102	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	489	500.0	97.8	80-152	
Surr: Dibromofluoromethane		1868-53-7	493	500.0	98.7	72-135	
Surr: Toluene-d8		2037-26-5	506	500.0	101	80-124	

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

Analyzed: 6/2/2020 317h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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	Units: µg/L	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	49.6	50.00	99.3	80-152	
Surr: Dibromofluoromethane		1868-53-7	50.5	50.00	101	72-135	
Surr: Toluene-d8		2037-26-5	50.5	50.00	101	80-124	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-008
Client Sample ID: TW4-01_05272020
Collection Date: 5/27/2020 1205h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/9/2020 1833h	E300.0	1.00	46.4	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1446h	E353.2	0.100	0.443	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-011C
Client Sample ID: TW4-02_05272020
Collection Date: 5/27/2020 1028h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/3/2020 921h **Extracted:**
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	1,070	~

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	1,030	1,000	103	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	1,020	1,000	102	80-152	
Surr: Dibromofluoromethane		1868-53-7	982	1,000	98.2	72-135	
Surr: Toluene-d8		2037-26-5	1,020	1,000	102	80-124	

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

Analyzed: 6/2/2020 1316h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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	Units: µg/L	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	49.2	50.00	98.5	80-152	
Surr: Dibromofluoromethane		1868-53-7	50.5	50.00	101	72-135	
Surr: Toluene-d8		2037-26-5	50.7	50.00	101	80-124	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-011
Client Sample ID: TW4-02_05272020
Collection Date: 5/27/2020 1028h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/9/2020 1923h	E300.0	1.00	40.6	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1432h	E353.2	0.100	3.62	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-002C
Client Sample ID: TW4-03_06102020
Collection Date: 6/10/2020 735h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/12/2020 2031h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.0	50.00	108	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	51.7	50.00	103	80-152	
Surr: Dibromofluoromethane		1868-53-7	46.9	50.00	93.8	72-135	
Surr: Toluene-d8		2037-26-5	52.3	50.00	105	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-002
Client Sample ID: TW4-03_06102020
Collection Date: 6/10/2020 735h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/22/2020 1202h	E300.0	1.00	26.2	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 826h	E353.2	0.100	6.53	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-001C
Client Sample ID: TW4-03R_06092020
Collection Date: 6/9/2020 1000h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/12/2020 1930h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	3.05	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	53.5	50.00	107	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	52.0	50.00	104	80-152	
Surr: Dibromofluoromethane		1868-53-7	49.2	50.00	98.4	72-135	
Surr: Toluene-d8		2037-26-5	52.0	50.00	104	80-124	

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-001
Client Sample ID: TW4-03R_06092020
Collection Date: 6/9/2020 1000h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/22/2020 1145h	E300.0	1.00	< 1.00	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 825h	E353.2	0.100	< 0.100	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-006C
Client Sample ID: TW4-04_05272020
Collection Date: 5/27/2020 1222h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/2/2020 1134h **Extracted:**
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	1,140	~

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	1,010	1,000	101	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	983	1,000	98.3	80-152	
Surr: Dibromofluoromethane		1868-53-7	984	1,000	98.4	72-135	
Surr: Toluene-d8		2037-26-5	1,020	1,000	102	80-124	

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

Analyzed: 6/2/2020 236h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	50.6	50.00	101	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	49.2	50.00	98.4	80-152	
Surr: Dibromofluoromethane		1868-53-7	49.2	50.00	98.5	72-135	
Surr: Toluene-d8		2037-26-5	49.9	50.00	99.8	80-124	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-006
Client Sample ID: TW4-04_05272020
Collection Date: 5/27/2020 1222h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/9/2020 1742h	E300.0	1.00	46.1	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1426h	E353.2	0.100	7.26	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-018C
Client Sample ID: TW4-05_06112020
Collection Date: 6/11/2020 740h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/13/2020 1422h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	15.4	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.9	50.00	110	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	52.9	50.00	106	80-152	
Surr: Dibromofluoromethane		1868-53-7	48.0	50.00	96.0	72-135	
Surr: Toluene-d8		2037-26-5	52.2	50.00	104	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-018
Client Sample ID: TW4-05_06112020
Collection Date: 6/11/2020 740h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/22/2020 1844h	E300.0	1.00	49.5	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 859h	E353.2	0.100	7.83	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-016C
Client Sample ID: TW4-06_06112020
Collection Date: 6/11/2020 718h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/13/2020 1341h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	4.86	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.1	50.00	108	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	51.8	50.00	104	80-152	
Surr: Dibromofluoromethane		1868-53-7	46.4	50.00	92.8	72-135	
Surr: Toluene-d8		2037-26-5	51.8	50.00	104	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-016
Client Sample ID: TW4-06_06112020
Collection Date: 6/11/2020 718h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/22/2020 1810h	E300.0	1.00	42.4	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 856h	E353.2	0.100	0.205	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-009C
Client Sample ID: TW4-07_06122020
Collection Date: 6/12/2020 800h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/17/2020 1337h **Extracted:**
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	864	~

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	558	500.0	112	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	526	500.0	105	80-152	
Surr: Dibromofluoromethane		1868-53-7	510	500.0	102	72-135	
Surr: Toluene-d8		2037-26-5	524	500.0	105	80-124	

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

Analyzed: 6/17/2020 1056h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	55.4	50.00	111	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	51.9	50.00	104	80-152	
Surr: Dibromofluoromethane		1868-53-7	50.6	50.00	101	72-135	
Surr: Toluene-d8		2037-26-5	52.8	50.00	106	80-124	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-009
Client Sample ID: TW4-07_06122020
Collection Date: 6/12/2020 800h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/24/2020 300h	E300.0	1.00	44.1	
Nitrate/Nitrite (as N)	mg/L		6/16/2020 1245h	E353.2	0.100	4.06	

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



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-004C
Client Sample ID: TW4-08_06122020
Collection Date: 6/12/2020 658h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/17/2020 834h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
 Salt Lake City, UT 84119

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	53.8	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	55.6	50.00	111	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	53.7	50.00	107	80-152	
Surr: Dibromofluoromethane		1868-53-7	51.5	50.00	103	72-135	
Surr: Toluene-d8		2037-26-5	53.0	50.00	106	80-124	

Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-004
Client Sample ID: TW4-08_06122020
Collection Date: 6/12/2020 658h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/24/2020 030h	E300.0	1.00	56.9	
Nitrate/Nitrite (as N)	mg/L		6/16/2020 1240h	E353.2	0.100	1.06	

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



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-002C
Client Sample ID: TW4-09_06122020
Collection Date: 6/12/2020 625h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/16/2020 1525h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	55.1	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.1	50.00	108	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	50.4	50.00	101	80-152	
Surr: Dibromofluoromethane		1868-53-7	48.4	50.00	96.9	72-135	
Surr: Toluene-d8		2037-26-5	51.2	50.00	102	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-002
Client Sample ID: TW4-09_06122020
Collection Date: 6/12/2020 625h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/23/2020 2323h	E300.0	1.00	39.5	
Nitrate/Nitrite (as N)	mg/L		6/16/2020 1237h	E353.2	0.100	0.990	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-019C
Client Sample ID: TW4-09R_06112020
Collection Date: 6/11/2020 845h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/12/2020 1950h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	1.98	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	Units: µg/L	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	53.3	50.00	107	80-152	
Surr: Dibromofluoromethane		1868-53-7	48.2	50.00	96.5	72-135	
Surr: Toluene-d8		2037-26-5	52.1	50.00	104	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-019
Client Sample ID: TW4-09R_06112020
Collection Date: 6/11/2020 845h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/22/2020 1900h	E300.0	1.00	< 1.00	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 900h	E353.2	0.100	< 0.100	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-010C
Client Sample ID: TW4-10_06122020
Collection Date: 6/12/2020 812h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/17/2020 1357h **Extracted:**
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	928	~

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	544	500.0	109	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	522	500.0	104	80-152	
Surr: Dibromofluoromethane		1868-53-7	499	500.0	99.8	72-135	
Surr: Toluene-d8		2037-26-5	508	500.0	102	80-124	

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

Analyzed: 6/17/2020 1116h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.8	50.00	110	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	51.8	50.00	104	80-152	
Surr: Dibromofluoromethane		1868-53-7	50.2	50.00	101	72-135	
Surr: Toluene-d8		2037-26-5	50.7	50.00	101	80-124	

3440 South 700 West
Salt Lake City, UT 84119

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-010
Client Sample ID: TW4-10_06122020
Collection Date: 6/12/2020 812h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/24/2020 317h	E300.0	1.00	60.1	
Nitrate/Nitrite (as N)	mg/L		6/16/2020 1252h	E353.2	0.100	8.13	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-012C
Client Sample ID: TW4-11_05272020
Collection Date: 5/27/2020 1020h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/3/2020 941h **Extracted:**
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	2,810	~

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	2,590	2,500	104	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	2,580	2,500	103	80-152	
Surr: Dibromofluoromethane		1868-53-7	2,460	2,500	98.4	72-135	
Surr: Toluene-d8		2037-26-5	2,570	2,500	103	80-124	

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

Analyzed: 6/2/2020 1337h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	1.37	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	Units: µg/L	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	48.2	50.00	96.3	80-152	
Surr: Dibromofluoromethane		1868-53-7	48.9	50.00	97.8	72-135	
Surr: Toluene-d8		2037-26-5	49.7	50.00	99.5	80-124	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-012
Client Sample ID: TW4-11_05272020
Collection Date: 5/27/2020 1020h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/9/2020 1940h	E300.0	1.00	48.6	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1433h	E353.2	0.100	7.56	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-006C
Client Sample ID: TW4-12_06102020
Collection Date: 6/10/2020 821h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/12/2020 2153h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
 Salt Lake City, UT 84119

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	

Phone: (801) 263-8686
 Toll Free: (888) 263-8686
 Fax: (801) 263-8687

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.0	50.00	108	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	53.6	50.00	107	80-152	
Surr: Dibromofluoromethane		1868-53-7	47.0	50.00	94.0	72-135	
Surr: Toluene-d8		2037-26-5	52.2	50.00	104	80-124	

e-mail: awal@awal-labs.com
 web: www.awal-labs.com

Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-006
Client Sample ID: TW4-12_06102020
Collection Date: 6/10/2020 821h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/22/2020 1342h	E300.0	1.00	51.7	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 839h	E353.2	0.100	4.95	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-008C
Client Sample ID: TW4-13_06112020
Collection Date: 6/11/2020 602h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/12/2020 2234h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.5	50.00	109	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	53.6	50.00	107	80-152	
Surr: Dibromofluoromethane		1868-53-7	47.3	50.00	94.5	72-135	
Surr: Toluene-d8		2037-26-5	52.8	50.00	106	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-008
Client Sample ID: TW4-13_06112020
Collection Date: 6/11/2020 602h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/22/2020 1449h	E300.0	1.00	62.7	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 841h	E353.2	0.100	5.96	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-015C
Client Sample ID: TW4-14_06112020
Collection Date: 6/11/2020 708h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/13/2020 1320h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	2.87	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Phone: (801) 263-8686
 Toll Free: (888) 263-8686
 Fax: (801) 263-8687

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	55.3	50.00	111	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	53.6	50.00	107	80-152	
Surr: Dibromofluoromethane		1868-53-7	47.7	50.00	95.5	72-135	
Surr: Toluene-d8		2037-26-5	52.4	50.00	105	80-124	

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-015
Client Sample ID: TW4-14_06112020
Collection Date: 6/11/2020 708h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/22/2020 1753h	E300.0	1.00	47.6	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 849h	E353.2	0.100	6.57	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-007C
Client Sample ID: MW-26_05272020
Collection Date: 5/27/2020 1010h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/2/2020 1154h **Extracted:**
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	1,610	~

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	2,520	2,500	101	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	2,440	2,500	97.7	80-152	
Surr: Dibromofluoromethane		1868-53-7	2,460	2,500	98.2	72-135	
Surr: Toluene-d8		2037-26-5	2,520	2,500	101	80-124	

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

Analyzed: 6/2/2020 257h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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	3.92	

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	50.8	50.00	102	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	49.0	50.00	98.0	80-152	
Surr: Dibromofluoromethane		1868-53-7	50.2	50.00	101	72-135	
Surr: Toluene-d8		2037-26-5	49.4	50.00	98.7	80-124	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-007
Client Sample ID: MW-26_05272020
Collection Date: 5/27/2020 1010h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/9/2020 1652h	E300.0	1.00	77.6	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1427h	E353.2	0.100	2.93	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-007C
Client Sample ID: TW4-16_06122020
Collection Date: 6/12/2020 735h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/17/2020 935h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	141	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	55.9	50.00	112	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	53.5	50.00	107	80-152	
Surr: Dibromofluoromethane		1868-53-7	51.7	50.00	103	72-135	
Surr: Toluene-d8		2037-26-5	52.1	50.00	104	80-124	

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-007
Client Sample ID: TW4-16_06122020
Collection Date: 6/12/2020 735h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/24/2020 103h	E300.0	1.00	79.7	
Nitrate/Nitrite (as N)	mg/L		6/16/2020 1243h	E353.2	0.100	4.44	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-001C
Client Sample ID: MW-32_06122020
Collection Date: 6/12/2020 1140h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/16/2020 1504h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

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	

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.9	50.00	110	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	52.6	50.00	105	80-152	
Surr: Dibromofluoromethane		1868-53-7	48.3	50.00	96.6	72-135	
Surr: Toluene-d8		2037-26-5	51.7	50.00	103	80-124	

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-001
Client Sample ID: MW-32_06122020
Collection Date: 6/12/2020 1140h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/23/2020 2306h	E300.0	1.00	35.6	
Nitrate/Nitrite (as N)	mg/L		6/16/2020 1234h	E353.2	0.100	< 0.100	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-005C
Client Sample ID: TW4-18_06122020
Collection Date: 6/12/2020 710h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/17/2020 855h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	58.2	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.7	50.00	109	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	51.4	50.00	103	80-152	
Surr: Dibromofluoromethane		1868-53-7	50.2	50.00	100	72-135	
Surr: Toluene-d8		2037-26-5	51.7	50.00	103	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-005
Client Sample ID: TW4-18_06122020
Collection Date: 6/12/2020 710h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/24/2020 153h	E300.0	1.00	41.4	
Nitrate/Nitrite (as N)	mg/L		6/16/2020 1241h	E353.2	0.100	3.62	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-014C
Client Sample ID: TW4-19_05272020
Collection Date: 5/27/2020 845h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/3/2020 1022h **Extracted:**
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	7,600	-

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	5,100	5,000	102	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	4,950	5,000	99.0	80-152	
Surr: Dibromofluoromethane		1868-53-7	4,910	5,000	98.3	72-135	
Surr: Toluene-d8		2037-26-5	5,160	5,000	103	80-124	

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

Analyzed: 6/2/2020 1417h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	10.4	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	Units: µg/L	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	49.1	50.00	98.3	80-152	
Surr: Dibromofluoromethane		1868-53-7	49.4	50.00	98.7	72-135	
Surr: Toluene-d8		2037-26-5	50.0	50.00	100	80-124	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-014
Client Sample ID: TW4-19_05272020
Collection Date: 5/27/2020 845h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/9/2020 2013h	E300.0	5.00	147	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1435h	E353.2	0.100	1.14	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-016C
Client Sample ID: TW4-20_05272020
Collection Date: 5/27/2020 952h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/3/2020 1103h **Extracted:**
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	5,800	~

Phone: (801) 263-8686

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	5,080	5,000	102	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	5,160	5,000	103	80-152	
Surr: Dibromofluoromethane		1868-53-7	4,760	5,000	95.1	72-135	
Surr: Toluene-d8		2037-26-5	5,050	5,000	101	80-124	

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

Analyzed: 6/2/2020 1503h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	6.74	
Chloromethane	74-87-3	1.00	1.30	
Methylene chloride	75-09-2	1.00	12.3	

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	50.7	50.00	101	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	48.6	50.00	97.1	80-152	
Surr: Dibromofluoromethane		1868-53-7	49.8	50.00	99.7	72-135	
Surr: Toluene-d8		2037-26-5	49.9	50.00	99.8	80-124	



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-016
Client Sample ID: TW4-20_05272020
Collection Date: 5/27/2020 952h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/9/2020 2228h	E300.0	5.00	301	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1443h	E353.2	0.100	7.23	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-005C
Client Sample ID: TW4-21_05272020
Collection Date: 5/27/2020 905h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/2/2020 1113h **Extracted:**
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	767	~

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	1,010	1,000	101	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	971	1,000	97.1	80-152	
Surr: Dibromofluoromethane		1868-53-7	985	1,000	98.5	72-135	
Surr: Toluene-d8		2037-26-5	1,000	1,000	100	80-124	

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

Analyzed: 6/2/2020 216h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	50.6	50.00	101	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	49.9	50.00	99.9	80-152	
Surr: Dibromofluoromethane		1868-53-7	50.1	50.00	100	72-135	
Surr: Toluene-d8		2037-26-5	50.9	50.00	102	80-124	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-005
Client Sample ID: TW4-21_05272020
Collection Date: 5/27/2020 905h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/9/2020 1635h	E300.0	5.00	353	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1420h	E353.2	0.200	15.4	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-013C
Client Sample ID: TW4-22_05272020
Collection Date: 5/27/2020 935h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/3/2020 1001h **Extracted:**
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	2,530	~

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	2,570	2,500	103	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	2,620	2,500	105	80-152	
Surr: Dibromofluoromethane		1868-53-7	2,410	2,500	96.4	72-135	
Surr: Toluene-d8		2037-26-5	2,600	2,500	104	80-124	

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

Analyzed: 6/2/2020 1357h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	50.9	50.00	102	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	49.0	50.00	98.0	80-152	
Surr: Dibromofluoromethane		1868-53-7	49.5	50.00	99.1	72-135	
Surr: Toluene-d8		2037-26-5	49.5	50.00	99.0	80-124	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-013
Client Sample ID: TW4-22_05272020
Collection Date: 5/27/2020 935h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/9/2020 1956h	E300.0	5.00	578	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1434h	E353.2	0.500	60.5	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-013C
Client Sample ID: TW4-23_06112020
Collection Date: 6/11/2020 648h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/13/2020 1239h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
 Salt Lake City, UT 84119

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	

Phone: (801) 263-8686
 Toll Free: (888) 263-8686
 Fax: (801) 263-8687

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	56.0	50.00	112	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	53.4	50.00	107	80-152	
Surr: Dibromofluoromethane		1868-53-7	48.4	50.00	96.8	72-135	
Surr: Toluene-d8		2037-26-5	53.2	50.00	106	80-124	

e-mail: awal@awal-labs.com
 web: www.awal-labs.com

Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-013
Client Sample ID: TW4-23_06112020
Collection Date: 6/11/2020 648h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/22/2020 1646h	E300.0	1.00	49.0	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 846h	E353.2	0.100	< 0.100	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-002C
Client Sample ID: TW4-24_05272020
Collection Date: 5/27/2020 925h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/2/2020 115h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	49.4	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Surrogate	Units: µg/L	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	48.9	50.00	97.8	80-152	
Surr: Dibromofluoromethane		1868-53-7	50.3	50.00	101	72-135	
Surr: Toluene-d8		2037-26-5	50.2	50.00	100	80-124	

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-002
Client Sample ID: TW4-24_05272020
Collection Date: 5/27/2020 925h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/9/2020 1512h	E300.0	10.0	1,060	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1416h	E353.2	0.500	41.7	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-001C
Client Sample ID: TW4-25_05272020
Collection Date: 5/27/2020 915h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/2/2020 054h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	51.7	50.00	103	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	49.3	50.00	98.6	80-152	
Surr: Dibromofluoromethane		1868-53-7	49.5	50.00	99.0	72-135	
Surr: Toluene-d8		2037-26-5	51.0	50.00	102	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-001
Client Sample ID: TW4-25_05272020
Collection Date: 5/27/2020 915h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/9/2020 1455h	E300.0	2.00	76.8	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1413h	E353.2	0.100	0.851	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-011C
Client Sample ID: TW4-26_06122020
Collection Date: 6/12/2020 823h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/17/2020 1418h **Extracted:**
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	1,140	-

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	556	500.0	111	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	528	500.0	106	80-152	
Surr: Dibromofluoromethane		1868-53-7	506	500.0	101	72-135	
Surr: Toluene-d8		2037-26-5	524	500.0	105	80-124	

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

Analyzed: 6/17/2020 1136h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	55.8	50.00	112	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	51.1	50.00	102	80-152	
Surr: Dibromofluoromethane		1868-53-7	52.0	50.00	104	72-135	
Surr: Toluene-d8		2037-26-5	51.8	50.00	104	80-124	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-011
Client Sample ID: TW4-26_06122020
Collection Date: 6/12/2020 823h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/24/2020 334h	E300.0	1.00	35.1	
Nitrate/Nitrite (as N)	mg/L		6/16/2020 1253h	E353.2	0.100	11.1	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-017C
Client Sample ID: TW4-27_06112020
Collection Date: 6/11/2020 729h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/13/2020 1401h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	7.92	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.1	50.00	108	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	52.6	50.00	105	80-152	
Surr: Dibromofluoromethane		1868-53-7	46.8	50.00	93.6	72-135	
Surr: Toluene-d8		2037-26-5	51.9	50.00	104	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-017
Client Sample ID: TW4-27_06112020
Collection Date: 6/11/2020 729h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/22/2020 1827h	E300.0	1.00	28.0	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 850h	E353.2	0.500	21.5	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-004C
Client Sample ID: TW4-28_06102020
Collection Date: 6/10/2020 805h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/12/2020 2112h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	53.9	50.00	108	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	52.6	50.00	105	80-152	
Surr: Dibromofluoromethane		1868-53-7	46.9	50.00	93.8	72-135	
Surr: Toluene-d8		2037-26-5	52.6	50.00	105	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-004
Client Sample ID: TW4-28_06102020
Collection Date: 6/10/2020 805h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/22/2020 1309h	E300.0	1.00	49.8	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 829h	E353.2	0.100	9.55	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-008C
Client Sample ID: TW4-29_06122020
Collection Date: 6/12/2020 746h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/17/2020 1317h **Extracted:**
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	686	~

Phone: (801) 263-8686

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	548	500.0	110	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	523	500.0	105	80-152	
Surr: Dibromofluoromethane		1868-53-7	510	500.0	102	72-135	
Surr: Toluene-d8		2037-26-5	515	500.0	103	80-124	

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

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

web: www.awal-labs.com

Analyzed: 6/17/2020 1036h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Kyle F. Gross
Laboratory Director

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	

Jose Rocha
QA Officer

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.8	50.00	110	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	51.2	50.00	102	80-152	
Surr: Dibromofluoromethane		1868-53-7	51.1	50.00	102	72-135	
Surr: Toluene-d8		2037-26-5	51.5	50.00	103	80-124	



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-008
Client Sample ID: TW4-29_06122020
Collection Date: 6/12/2020 746h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/24/2020 244h	E300.0	1.00	42.2	
Nitrate/Nitrite (as N)	mg/L		6/16/2020 1244h	E353.2	0.100	3.18	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-003C
Client Sample ID: TW4-30_06122020
Collection Date: 6/12/2020 648h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/17/2020 814h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	65.4	1
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	55.6	50.00	111	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	52.4	50.00	105	80-152	
Surr: Dibromofluoromethane		1868-53-7	51.8	50.00	104	72-135	
Surr: Toluene-d8		2037-26-5	52.2	50.00	104	80-124	

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

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-003
Client Sample ID: TW4-30_06122020
Collection Date: 6/12/2020 648h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/24/2020 013h	E300.0	1.00	38.6	
Nitrate/Nitrite (as N)	mg/L		6/16/2020 1238h	E353.2	0.100	3.69	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-010C
Client Sample ID: TW4-31_06112020
Collection Date: 6/11/2020 620h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/13/2020 1138h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.9	50.00	110	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	51.8	50.00	104	80-152	
Surr: Dibromofluoromethane		1868-53-7	47.4	50.00	94.7	72-135	
Surr: Toluene-d8		2037-26-5	52.7	50.00	105	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Tanner Holliday
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-010
Client Sample ID: TW4-31_06112020
Collection Date: 6/11/2020 620h
Received Date: 6/12/2020 1010h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/22/2020 1613h	E300.0	1.00	36.7	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 843h	E353.2	0.100	0.569	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

E-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-005C
Client Sample ID: TW4-32_06102020
Collection Date: 6/10/2020 812h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/12/2020 2133h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
 Salt Lake City, UT 84119

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	

Phone: (801) 263-8686
 Toll Free: (888) 263-8686
 Fax: (801) 263-8687

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	53.7	50.00	107	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	52.3	50.00	105	80-152	
Surr: Dibromofluoromethane		1868-53-7	47.1	50.00	94.3	72-135	
Surr: Toluene-d8		2037-26-5	51.8	50.00	104	80-124	

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-005
Client Sample ID: TW4-32_06102020
Collection Date: 6/10/2020 812h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/22/2020 1326h	E300.0	1.00	57.0	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 830h	E353.2	0.100	2.19	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-006C
Client Sample ID: TW4-33_06122020
Collection Date: 6/12/2020 724h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/17/2020 915h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	90.1	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	55.2	50.00	110	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	51.7	50.00	103	80-152	
Surr: Dibromofluoromethane		1868-53-7	50.8	50.00	102	72-135	
Surr: Toluene-d8		2037-26-5	51.0	50.00	102	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-006
Client Sample ID: TW4-33_06122020
Collection Date: 6/12/2020 724h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/24/2020 046h	E300.0	1.00	48.9	
Nitrate/Nitrite (as N)	mg/L		6/16/2020 1242h	E353.2	0.100	3.26	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-011C
Client Sample ID: TW4-34_06112020
Collection Date: 6/11/2020 628h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/13/2020 1158h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	55.5	50.00	111	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	52.5	50.00	105	80-152	
Surr: Dibromofluoromethane		1868-53-7	47.5	50.00	95.0	72-135	
Surr: Toluene-d8		2037-26-5	52.9	50.00	106	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-011
Client Sample ID: TW4-34_06112020
Collection Date: 6/11/2020 628h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/22/2020 1556h	E300.0	1.00	20.9	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 844h	E353.2	0.100	1.24	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-012C
Client Sample ID: TW4-35_06112020
Collection Date: 6/11/2020 636h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/13/2020 1219h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

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	

Phone: (801) 263-8686
 Toll Free: (888) 263-8686
 Fax: (801) 263-8687

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.9	50.00	110	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	52.7	50.00	105	80-152	
Surr: Dibromofluoromethane		1868-53-7	48.0	50.00	96.1	72-135	
Surr: Toluene-d8		2037-26-5	52.4	50.00	105	80-124	

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-012
Client Sample ID: TW4-35_06112020
Collection Date: 6/11/2020 636h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/22/2020 1630h	E300.0	1.00	34.0	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 845h	E353.2	0.100	0.699	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

E-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-009C
Client Sample ID: TW4-36_06112020
Collection Date: 6/11/2020 610h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/13/2020 813h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.0	50.00	108	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	51.1	50.00	102	80-152	
Surr: Dibromofluoromethane		1868-53-7	47.8	50.00	95.5	72-135	
Surr: Toluene-d8		2037-26-5	51.6	50.00	103	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-009
Client Sample ID: TW4-36_06112020
Collection Date: 6/11/2020 610h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/22/2020 1506h	E300.0	1.00	67.0	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 831h	E353.2	0.100	< 0.100	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

E-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-015C
Client Sample ID: TW4-37_05272020
Collection Date: 5/27/2020 945h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/3/2020 1042h **Extracted:**
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	11,700	~

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	5,190	5,000	104	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	5,160	5,000	103	80-152	
Surr: Dibromofluoromethane		1868-53-7	4,940	5,000	98.9	72-135	
Surr: Toluene-d8		2037-26-5	5,200	5,000	104	80-124	

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

Analyzed: 6/2/2020 1438h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	11.8	
Chloromethane	74-87-3	1.00	1.44	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	50.8	50.00	102	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	48.0	50.00	96.0	80-152	
Surr: Dibromofluoromethane		1868-53-7	49.4	50.00	98.9	72-135	
Surr: Toluene-d8		2037-26-5	50.0	50.00	100	80-124	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-015
Client Sample ID: TW4-37_05272020
Collection Date: 5/27/2020 945h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/9/2020 2211h	E300.0	5.00	321	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1437h	E353.2	0.200	28.3	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-014C
Client Sample ID: TW4-38_06112020
Collection Date: 6/11/2020 658h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/13/2020 1300h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	53.7	50.00	107	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	50.1	50.00	100	80-152	
Surr: Dibromofluoromethane		1868-53-7	46.1	50.00	92.2	72-135	
Surr: Toluene-d8		2037-26-5	51.6	50.00	103	80-124	

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-014
Client Sample ID: TW4-38_06112020
Collection Date: 6/11/2020 658h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/22/2020 1703h	E300.0	1.00	34.9	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 847h	E353.2	0.100	9.00	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-004C
Client Sample ID: TW4-39_05272020
Collection Date: 5/27/2020 1002h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/2/2020 1053h **Extracted:**
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	5,870	-

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	4,960	5,000	99.1	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	4,980	5,000	99.5	80-152	
Surr: Dibromofluoromethane		1868-53-7	4,820	5,000	96.5	72-135	
Surr: Toluene-d8		2037-26-5	5,090	5,000	102	80-124	

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

Analyzed: 6/2/2020 155h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	7.56	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	50.6	50.00	101	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	49.1	50.00	98.1	80-152	
Surr: Dibromofluoromethane		1868-53-7	50.1	50.00	100	72-135	
Surr: Toluene-d8		2037-26-5	49.9	50.00	99.8	80-124	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-004
Client Sample ID: TW4-39_05272020
Collection Date: 5/27/2020 1002h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/9/2020 1619h	E300.0	1.00	88.5	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1419h	E353.2	0.100	5.01	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-003C
Client Sample ID: TW4-40_05272020
Collection Date: 5/27/2020 1245h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/2/2020 911h **Extracted:**
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	367	~

Phone: (801) 263-8686

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	498	500.0	99.6	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	488	500.0	97.6	80-152	
Surr: Dibromofluoromethane		1868-53-7	487	500.0	97.5	72-135	
Surr: Toluene-d8		2037-26-5	502	500.0	100	80-124	

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

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

web: www.awal-labs.com

Analyzed: 6/2/2020 135h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Kyle F. Gross
Laboratory Director

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	

Jose Rocha
QA Officer

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	51.1	50.00	102	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	48.9	50.00	97.9	80-152	
Surr: Dibromofluoromethane		1868-53-7	49.4	50.00	98.8	72-135	
Surr: Toluene-d8		2037-26-5	50.4	50.00	101	80-124	



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-003
Client Sample ID: TW4-40_05272020
Collection Date: 5/27/2020 1245h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/9/2020 1528h	E300.0	1.00	36.5	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1418h	E353.2	0.100	2.91	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

E-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-009C
Client Sample ID: TW4-41_05272020
Collection Date: 5/27/2020 1215h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/2/2020 1235h **Extracted:**
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	1,220	~

Phone: (801) 263-8686

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	1,020	1,000	102	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	978	1,000	97.8	80-152	
Surr: Dibromofluoromethane		1868-53-7	994	1,000	99.4	72-135	
Surr: Toluene-d8		2037-26-5	1,010	1,000	101	80-124	

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

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

web: www.awal-labs.com

Analyzed: 6/2/2020 337h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

Kyle F. Gross
Laboratory Director

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	

Jose Rocha
QA Officer

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	50.7	50.00	101	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	48.5	50.00	97.0	80-152	
Surr: Dibromofluoromethane		1868-53-7	50.4	50.00	101	72-135	
Surr: Toluene-d8		2037-26-5	50.1	50.00	100	80-124	



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-009
Client Sample ID: TW4-41_05272020
Collection Date: 5/27/2020 1215h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/9/2020 1849h	E300.0	1.00	41.7	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1430h	E353.2	0.100	6.78	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-003C
Client Sample ID: TW4-42_06102020
Collection Date: 6/10/2020 752h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/12/2020 2052h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.2	50.00	108	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	51.9	50.00	104	80-152	
Surr: Dibromofluoromethane		1868-53-7	47.5	50.00	95.0	72-135	
Surr: Toluene-d8		2037-26-5	53.1	50.00	106	80-124	

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-003
Client Sample ID: TW4-42_06102020
Collection Date: 6/10/2020 752h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/22/2020 1219h	E300.0	1.00	23.1	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 827h	E353.2	0.100	3.23	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-017C
Client Sample ID: TW4-60_05272020
Collection Date: 5/27/2020 1310h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/2/2020 1033h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

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	

Phone: (801) 263-8686
 Toll Free: (888) 263-8686
 Fax: (801) 263-8687

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	50.6	50.00	101	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	48.5	50.00	96.9	80-152	
Surr: Dibromofluoromethane		1868-53-7	48.6	50.00	97.1	72-135	
Surr: Toluene-d8		2037-26-5	50.3	50.00	101	80-124	

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-017
Client Sample ID: TW4-60_05272020
Collection Date: 5/27/2020 1310h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/9/2020 2301h	E300.0	1.00	< 1.00	
Nitrate/Nitrite (as N)	mg/L		6/1/2020 1444h	E353.2	0.100	< 0.100	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

E-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-007C
Client Sample ID: TW4-65_06102020
Collection Date: 6/10/2020 735h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/12/2020 2213h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.4	50.00	109	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	53.6	50.00	107	80-152	
Surr: Dibromofluoromethane		1868-53-7	46.8	50.00	93.7	72-135	
Surr: Toluene-d8		2037-26-5	52.1	50.00	104	80-124	

Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-007
Client Sample ID: TW4-65_06102020
Collection Date: 6/10/2020 735h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/22/2020 1433h	E300.0	1.00	26.7	
Nitrate/Nitrite (as N)	mg/L		6/15/2020 840h	E353.2	0.100	6.63	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-012C
Client Sample ID: TW4-70_06122020
Collection Date: 6/12/2020 625h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/17/2020 1156h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
 Salt Lake City, UT 84119

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	56.4	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Phone: (801) 263-8686
 Toll Free: (888) 263-8686
 Fax: (801) 263-8687

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	55.4	50.00	111	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	51.4	50.00	103	80-152	
Surr: Dibromofluoromethane		1868-53-7	50.2	50.00	100	72-135	
Surr: Toluene-d8		2037-26-5	52.0	50.00	104	80-124	

e-mail: awal@awal-labs.com
 web: www.awal-labs.com

Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-012
Client Sample ID: TW4-70_06122020
Collection Date: 6/12/2020 625h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/24/2020 351h	E300.0	1.00	39.6	
Nitrate/Nitrite (as N)	mg/L		6/16/2020 1254h	E353.2	0.100	1.01	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-013C
Client Sample ID: TW4-75_06122020
Collection Date: 6/12/2020 800h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/17/2020 1438h **Extracted:**
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	871	~

Phone: (801) 263-8686

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	549	500.0	110	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	524	500.0	105	80-152	
Surr: Dibromofluoromethane		1868-53-7	498	500.0	99.5	72-135	
Surr: Toluene-d8		2037-26-5	522	500.0	104	80-124	

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

Analyzed: 6/17/2020 1217h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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	

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	55.1	50.00	110	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	53.4	50.00	107	80-152	
Surr: Dibromofluoromethane		1868-53-7	50.5	50.00	101	72-135	
Surr: Toluene-d8		2037-26-5	52.7	50.00	105	80-124	



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-013
Client Sample ID: TW4-75_06122020
Collection Date: 6/12/2020 800h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/24/2020 407h	E300.0	1.00	43.1	
Nitrate/Nitrite (as N)	mg/L		6/16/2020 1259h	E353.2	0.100	4.19	

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2005695-018A
Client Sample ID: Trip Blank
Collection Date: 5/27/2020 845h
Received Date: 5/29/2020 1050h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/2/2020 1012h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

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	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	50.1	50.00	100	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	49.8	50.00	99.6	80-152	
Surr: Dibromofluoromethane		1868-53-7	48.3	50.00	96.7	72-135	
Surr: Toluene-d8		2037-26-5	50.4	50.00	101	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006384-020A
Client Sample ID: Trip Blank
Collection Date: 6/9/2020 1000h
Received Date: 6/12/2020 1010h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/12/2020 2011h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

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

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	Units: µg/L	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	51.1	50.00	102	80-152	
Surr: Dibromofluoromethane		1868-53-7	47.4	50.00	94.9	72-135	
Surr: Toluene-d8		2037-26-5	51.9	50.00	104	80-124	

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Sample ID: 2006426-014A
Client Sample ID: Trip Blank
Collection Date: 6/12/2020 625h
Received Date: 6/16/2020 1000h

Contact: Tanner Holliday

Test Code: 8260D-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260D/5030C

Analyzed: 6/17/2020 1237h **Extracted:**
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

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	

Phone: (801) 263-8686
 Toll Free: (888) 263-8686
 Fax: (801) 263-8687

Surrogate	Units: µg/L	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4		17060-07-0	54.8	50.00	110	72-151	
Surr: 4-Bromofluorobenzene		460-00-4	52.7	50.00	105	80-152	
Surr: Dibromofluoromethane		1868-53-7	49.4	50.00	98.8	72-135	
Surr: Toluene-d8		2037-26-5	51.9	50.00	104	80-124	

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer



Tanner Holliday
Energy Fuels Resources, Inc.
6425 South Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 2nd Quarter Chloroform 2020

Dear Tanner Holliday:

Lab Set ID: 2005695

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

American West Analytical Laboratories received sample(s) on 5/29/2020 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, Wyoming, 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.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Thank You,

Approved by:

Kyle F. Gross	Digitally signed by Kyle F. Gross
	Date: 2020.06.12 12:29:22 -06'00'

Laboratory Director or designee



SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Set ID: 2005695
Date Received: 5/29/2020 1050h

Contact: Tanner Holliday

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
2005695-001A	TW4-25_05272020	5/27/2020 915h	Aqueous	Anions, E300.0
2005695-001B	TW4-25_05272020	5/27/2020 915h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-001C	TW4-25_05272020	5/27/2020 915h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-002A	TW4-24_05272020	5/27/2020 925h	Aqueous	Anions, E300.0
2005695-002B	TW4-24_05272020	5/27/2020 925h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-002C	TW4-24_05272020	5/27/2020 925h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-003A	TW4-40_05272020	5/27/2020 1245h	Aqueous	Anions, E300.0
2005695-003B	TW4-40_05272020	5/27/2020 1245h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-003C	TW4-40_05272020	5/27/2020 1245h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-004A	TW4-39_05272020	5/27/2020 1002h	Aqueous	Anions, E300.0
2005695-004B	TW4-39_05272020	5/27/2020 1002h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-004C	TW4-39_05272020	5/27/2020 1002h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-005A	TW4-21_05272020	5/27/2020 905h	Aqueous	Anions, E300.0
2005695-005B	TW4-21_05272020	5/27/2020 905h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-005C	TW4-21_05272020	5/27/2020 905h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-006A	TW4-04_05272020	5/27/2020 1222h	Aqueous	Anions, E300.0
2005695-006B	TW4-04_05272020	5/27/2020 1222h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-006C	TW4-04_05272020	5/27/2020 1222h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-007A	MW-26_05272020	5/27/2020 1010h	Aqueous	Anions, E300.0
2005695-007B	MW-26_05272020	5/27/2020 1010h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-007C	MW-26_05272020	5/27/2020 1010h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-008A	TW4-01_05272020	5/27/2020 1205h	Aqueous	Anions, E300.0
2005695-008B	TW4-01_05272020	5/27/2020 1205h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-008C	TW4-01_05272020	5/27/2020 1205h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-009A	TW4-41_05272020	5/27/2020 1215h	Aqueous	Anions, E300.0
2005695-009B	TW4-41_05272020	5/27/2020 1215h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-009C	TW4-41_05272020	5/27/2020 1215h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-010A	MW-04_05272020	5/27/2020 1037h	Aqueous	Anions, E300.0

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Set ID: 2005695
Date Received: 5/29/2020 1050h

Contact: Tanner Holliday

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
2005695-010B	MW-04_05272020	5/27/2020 1037h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-010C	MW-04_05272020	5/27/2020 1037h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-011A	TW4-02_05272020	5/27/2020 1028h	Aqueous	Anions, E300.0
2005695-011B	TW4-02_05272020	5/27/2020 1028h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-011C	TW4-02_05272020	5/27/2020 1028h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-012A	TW4-11_05272020	5/27/2020 1020h	Aqueous	Anions, E300.0
2005695-012B	TW4-11_05272020	5/27/2020 1020h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-012C	TW4-11_05272020	5/27/2020 1020h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-013A	TW4-22_05272020	5/27/2020 935h	Aqueous	Anions, E300.0
2005695-013B	TW4-22_05272020	5/27/2020 935h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-013C	TW4-22_05272020	5/27/2020 935h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-014A	TW4-19_05272020	5/27/2020 845h	Aqueous	Anions, E300.0
2005695-014B	TW4-19_05272020	5/27/2020 845h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-014C	TW4-19_05272020	5/27/2020 845h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-015A	TW4-37_05272020	5/27/2020 945h	Aqueous	Anions, E300.0
2005695-015B	TW4-37_05272020	5/27/2020 945h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-015C	TW4-37_05272020	5/27/2020 945h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-016A	TW4-20_05272020	5/27/2020 952h	Aqueous	Anions, E300.0
2005695-016B	TW4-20_05272020	5/27/2020 952h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-016C	TW4-20_05272020	5/27/2020 952h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-017A	TW4-60_05272020	5/27/2020 1310h	Aqueous	Anions, E300.0
2005695-017B	TW4-60_05272020	5/27/2020 1310h	Aqueous	Nitrite/Nitrate (as N), E353.2
2005695-017C	TW4-60_05272020	5/27/2020 1310h	Aqueous	VOA by GC/MS Method 8260D/5030C
2005695-018A	Trip Blank	5/27/2020 845h	Aqueous	VOA by GC/MS Method 8260D/5030C

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Tanner Holliday
Project: 2nd Quarter Chloroform 2020
Lab Set ID: 2005695

Sample Receipt Information:

3440 South 700 West
Salt Lake City, UT 84119

Date of Receipt: 5/29/2020
Date(s) of Collection: 5/27/2020
Sample Condition: Intact
C-O-C Discrepancies: None

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Corrective Action: None required.

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



Volatile Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Tanner Holliday
Project: 2nd Quarter Chloroform 2020
Lab Set ID: 2005695

Sample Receipt Information:

Date of Receipt: 5/29/2020
Date(s) of Collection: 5/27/2020
Sample Condition: Intact
C-O-C Discrepancies: None
Method: SW-846 8260D/5030C
Analysis: Volatile Organic Compounds

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions: the MS and MSD percent recoveries for Chloroform on sample 2005695-010C were outside of the control limits due to sample matrix interference.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



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: 2005695

Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday

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-R139685													
Date Analyzed: 06/09/2020 1438h													
Test Code: 300.0-W													
Chloride	5.20	mg/L	E300.0	0.0565	0.100	5.000	0	104	90 - 110				
Lab Sample ID: LCS-R139343													
Date Analyzed: 06/01/2020 1401h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.05	mg/L	E353.2	0.00494	0.0100	1.000	0	105	90 - 110				



3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 2005695

Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday

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-R139685	Date Analyzed: 06/09/2020 1421h												
Test Code:	300.0-W												
Chloride	< 0.100	mg/L	E300.0	0.0565	0.100								
Lab Sample ID: MB-R139343	Date Analyzed: 06/01/2020 1400h												
Test Code:	NO2/NO3-W-353.2												
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00494	0.0100								



3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 2005695

Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday

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: 2005695-003AMS													
Date Analyzed: 06/09/2020 1545h													
Test Code: 300.0-W													
Chloride	86.9	mg/L	E300.0	0.565	1.00	50.00	36.5	101	90 - 110				
Lab Sample ID: 2005695-006AMS													
Date Analyzed: 06/09/2020 1759h													
Test Code: 300.0-W													
Chloride	94.7	mg/L	E300.0	0.565	1.00	50.00	46.1	97.2	90 - 110				
Lab Sample ID: 2005695-001BMS													
Date Analyzed: 06/01/2020 1414h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.82	mg/L	E353.2	0.00494	0.0100	1.000	0.851	97.2	90 - 110				



3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2005695
Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday
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: 2005695-003AMSD Date Analyzed: 06/09/2020 1602h													
Test Code: 300.0-W													
Chloride	86.9	mg/L	E300.0	0.565	1.00	50.00	36.5	101	90 - 110	86.9	0.0629	20	
Lab Sample ID: 2005695-006AMSD Date Analyzed: 06/09/2020 1816h													
Test Code: 300.0-W													
Chloride	95.8	mg/L	E300.0	0.565	1.00	50.00	46.1	99.4	90 - 110	94.7	1.12	20	
Lab Sample ID: 2005695-001BMSD Date Analyzed: 06/01/2020 1415h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.82	mg/L	E353.2	0.00494	0.0100	1.000	0.851	96.8	90 - 110	1.82	0.220	10	



3440 South 700 West
Salt Lake City, UT 84119

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

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2005695
Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday
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-1 060120A Date Analyzed: 06/01/2020 1947h													
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	22.2	µg/L	SW8260D	0.859	1.00	20.00	0	111	66 - 143				
Chloroform	22.1	µg/L	SW8260D	0.166	1.00	20.00	0	110	83 - 119				
Chloromethane	18.3	µg/L	SW8260D	0.802	1.00	20.00	0	91.7	30 - 149				
Methylene chloride	24.2	µg/L	SW8260D	0.381	1.00	20.00	0	121	65 - 154				
Surr: 1,2-Dichloroethane-d4	51.8	µg/L	SW8260D			50.00		104	80 - 136				
Surr: 4-Bromofluorobenzene	49.2	µg/L	SW8260D			50.00		98.4	85 - 121				
Surr: Dibromofluoromethane	50.6	µg/L	SW8260D			50.00		101	78 - 132				
Surr: Toluene-d8	50.8	µg/L	SW8260D			50.00		102	81 - 123				
Lab Sample ID: LCS VOC-1 060220A Date Analyzed: 06/02/2020 717h													
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	21.4	µg/L	SW8260D	0.859	1.00	20.00	0	107	66 - 143				
Chloroform	21.1	µg/L	SW8260D	0.166	1.00	20.00	0	105	83 - 119				
Chloromethane	16.4	µg/L	SW8260D	0.802	1.00	20.00	0	82.0	30 - 149				
Methylene chloride	22.7	µg/L	SW8260D	0.381	1.00	20.00	0	113	65 - 154				
Surr: 1,2-Dichloroethane-d4	50.6	µg/L	SW8260D			50.00		101	80 - 136				
Surr: 4-Bromofluorobenzene	47.4	µg/L	SW8260D			50.00		94.8	85 - 121				
Surr: Dibromofluoromethane	49.6	µg/L	SW8260D			50.00		99.2	78 - 132				
Surr: Toluene-d8	50.9	µg/L	SW8260D			50.00		102	81 - 123				
Lab Sample ID: LCS VOC-1 060320A Date Analyzed: 06/03/2020 719h													
Test Code: 8260D-W-DEN100													
Chloroform	21.3	µg/L	SW8260D	0.166	1.00	20.00	0	106	83 - 119				
Surr: 1,2-Dichloroethane-d4	49.6	µg/L	SW8260D			50.00		99.3	80 - 136				
Surr: 4-Bromofluorobenzene	51.1	µg/L	SW8260D			50.00		102	85 - 121				
Surr: Dibromofluoromethane	48.8	µg/L	SW8260D			50.00		97.5	78 - 132				
Surr: Toluene-d8	51.2	µg/L	SW8260D			50.00		102	81 - 123				



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: 2005695

Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday

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-1 06010A													
Date Analyzed: 06/01/2020 2007h													
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	< 1.00	µg/L	SW8260D	0.859	1.00								
Chloroform	< 1.00	µg/L	SW8260D	0.166	1.00								
Chloromethane	< 1.00	µg/L	SW8260D	0.802	1.00								
Methylene chloride	< 1.00	µg/L	SW8260D	0.381	1.00								
Surr: 1,2-Dichloroethane-d4	51.5	µg/L	SW8260D			50.00		103	80 - 136				
Surr: 4-Bromofluorobenzene	49.6	µg/L	SW8260D			50.00		99.2	85 - 121				
Surr: Dibromofluoromethane	49.0	µg/L	SW8260D			50.00		98.0	78 - 132				
Surr: Toluene-d8	50.9	µg/L	SW8260D			50.00		102	81 - 123				
Lab Sample ID: MB VOC-1 060220A													
Date Analyzed: 06/02/2020 737h													
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	< 1.00	µg/L	SW8260D	0.859	1.00								
Chloroform	< 1.00	µg/L	SW8260D	0.166	1.00								
Chloromethane	< 1.00	µg/L	SW8260D	0.802	1.00								
Methylene chloride	< 1.00	µg/L	SW8260D	0.381	1.00								
Surr: 1,2-Dichloroethane-d4	51.0	µg/L	SW8260D			50.00		102	80 - 136				
Surr: 4-Bromofluorobenzene	48.6	µg/L	SW8260D			50.00		97.2	85 - 121				
Surr: Dibromofluoromethane	48.9	µg/L	SW8260D			50.00		97.8	78 - 132				
Surr: Toluene-d8	49.4	µg/L	SW8260D			50.00		98.8	81 - 123				
Lab Sample ID: MB VOC-1 060320A													
Date Analyzed: 06/03/2020 739h													
Test Code: 8260D-W-DEN100													
Chloroform	< 1.00	µg/L	SW8260D	0.166	1.00								
Surr: 1,2-Dichloroethane-d4	50.7	µg/L	SW8260D			50.00		101	80 - 136				
Surr: 4-Bromofluorobenzene	50.3	µg/L	SW8260D			50.00		101	85 - 121				
Surr: Dibromofluoromethane	48.1	µg/L	SW8260D			50.00		96.1	78 - 132				
Surr: Toluene-d8	52.1	µg/L	SW8260D			50.00		104	81 - 123				



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: 2005695

Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday

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: 2005695-003CMS		Date Analyzed: 06/02/2020 931h											
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	228	µg/L	SW8260D	8.59	10.0	200.0	0	114	66 - 143				
Chloroform	582	µg/L	SW8260D	1.66	10.0	200.0	367	108	83 - 119				
Chloromethane	159	µg/L	SW8260D	8.02	10.0	200.0	0	79.5	30 - 149				
Methylene chloride	240	µg/L	SW8260D	3.81	10.0	200.0	0	120	65 - 154				
Surr: 1,2-Dichloroethane-d4	492	µg/L	SW8260D			500.0		98.3	80 - 136				
Surr: 4-Bromofluorobenzene	488	µg/L	SW8260D			500.0		97.5	85 - 121				
Surr: Dibromofluoromethane	497	µg/L	SW8260D			500.0		99.4	78 - 132				
Surr: Toluene-d8	504	µg/L	SW8260D			500.0		101	81 - 123				
Lab Sample ID: 2005695-010CMS		Date Analyzed: 06/03/2020 840h											
Test Code: 8260D-W-DEN100													
Chloroform	1,540	µg/L	SW8260D	3.32	20.0	400.0	1250	74.0	83 - 119				1
Surr: 1,2-Dichloroethane-d4	1,010	µg/L	SW8260D			1,000		101	80 - 136				
Surr: 4-Bromofluorobenzene	1,030	µg/L	SW8260D			1,000		103	85 - 121				
Surr: Dibromofluoromethane	981	µg/L	SW8260D			1,000		98.1	78 - 132				
Surr: Toluene-d8	1,040	µg/L	SW8260D			1,000		104	81 - 123				

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



American West
ANALYTICAL LABORATORIES

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 2005695

Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday

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: 2005695-003CMSD		Date Analyzed: 06/02/2020 952h											
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	211	µg/L	SW8260D	8.59	10.0	200.0	0	106	66 - 143	228	7.79	35	
Chloroform	546	µg/L	SW8260D	1.66	10.0	200.0	367	89.8	83 - 119	582	6.33	35	
Chloromethane	152	µg/L	SW8260D	8.02	10.0	200.0	0	75.8	30 - 149	159	4.76	35	
Methylene chloride	228	µg/L	SW8260D	3.81	10.0	200.0	0	114	65 - 154	240	5.17	35	
Surr: 1,2-Dichloroethane-d4	493	µg/L	SW8260D			500.0		98.5	80 - 136				
Surr: 4-Bromofluorobenzene	491	µg/L	SW8260D			500.0		98.3	85 - 121				
Surr: Dibromofluoromethane	491	µg/L	SW8260D			500.0		98.2	78 - 132				
Surr: Toluene-d8	505	µg/L	SW8260D			500.0		101	81 - 123				
Lab Sample ID: 2005695-010CMSD		Date Analyzed: 06/03/2020 900h											
Test Code: 8260D-W-DEN100													
Chloroform	1,500	µg/L	SW8260D	3.32	20.0	400.0	1250	64.7	83 - 119	1540	2.45	35	1
Surr: 1,2-Dichloroethane-d4	1,000	µg/L	SW8260D			1,000		100	80 - 136				
Surr: 4-Bromofluorobenzene	1,010	µg/L	SW8260D			1,000		101	85 - 121				
Surr: Dibromofluoromethane	973	µg/L	SW8260D			1,000		97.3	78 - 132				
Surr: Toluene-d8	1,020	µg/L	SW8260D			1,000		102	81 - 123				

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

WORK ORDER Summary

Work Order: **2005695** Page 1 of 4

Client: Energy Fuels Resources, Inc.

Due Date: 6/12/2020

Client ID: ENE300

Contact: Tanner Holliday

Project: 2nd Quarter Chloroform 2020

QC Level: III

WO Type: Project

Comments: QC 3 (no chromatograms). EDD-Denison. CC KWeinel@energyfuels.com; Do not use "*R_" samples as MS/MSD.;

el

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2005695-001A	TW4-25_05272020	5/27/2020 0915h	5/29/2020 1050h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous	df - wc		1
2005695-001B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		df - no2/no3		
2005695-001C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>		VOCFridge		3
2005695-002A	TW4-24_05272020	5/27/2020 0925h	5/29/2020 1050h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous	df - wc		1
2005695-002B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		df - no2/no3		
2005695-002C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>		VOCFridge		3
2005695-003A	TW4-40_05272020	5/27/2020 1245h	5/29/2020 1050h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous	df - wc		1
2005695-003B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		df - no2/no3		
2005695-003C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>		VOCFridge		3
2005695-004A	TW4-39_05272020	5/27/2020 1002h	5/29/2020 1050h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous	df - wc		1
2005695-004B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		df - no2/no3		
2005695-004C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>		VOCFridge		3
2005695-005A	TW4-21_05272020	5/27/2020 0905h	5/29/2020 1050h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous	df - wc		1
2005695-005B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		df - no2/no3		
2005695-005C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>		VOCFridge		3

WORK ORDER Summary

Work Order: **2005695**

Page 2 of 4

Client: Energy Fuels Resources, Inc.

Due Date: 6/12/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2005695-006A	TW4-04_05272020	5/27/2020 1222h	5/29/2020 1050h	300.0-W	Aqueous		df - wc	1
				1 SEL Analytes: CL				
2005695-006B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2005695-006C				8260D-W-DEN100			VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				
2005695-007A	MW-26_05272020	5/27/2020 1010h	5/29/2020 1050h	300.0-W	Aqueous		df - wc	1
				1 SEL Analytes: CL				
2005695-007B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2005695-007C				8260D-W-DEN100			VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				
2005695-008A	TW4-01_05272020	5/27/2020 1205h	5/29/2020 1050h	300.0-W	Aqueous		df - wc	1
				1 SEL Analytes: CL				
2005695-008B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2005695-008C				8260D-W-DEN100			VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				
2005695-009A	TW4-41_05272020	5/27/2020 1215h	5/29/2020 1050h	300.0-W	Aqueous		df - wc	1
				1 SEL Analytes: CL				
2005695-009B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2005695-009C				8260D-W-DEN100			VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				
2005695-010A	MW-04_05272020	5/27/2020 1037h	5/29/2020 1050h	300.0-W	Aqueous		df - wc	1
				1 SEL Analytes: CL				
2005695-010B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2005695-010C				8260D-W-DEN100			VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				
2005695-011A	TW4-02_05272020	5/27/2020 1028h	5/29/2020 1050h	300.0-W	Aqueous		df - wc	1
				1 SEL Analytes: CL				
2005695-011B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2005695-011C				8260D-W-DEN100			VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				

WORK ORDER Summary

Work Order: **2005695** Page 3 of 4

Client: Energy Fuels Resources, Inc.

Due Date: 6/12/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2005695-012A	TW4-11_05272020	5/27/2020 1020h	5/29/2020 1050h	300.0-W	Aqueous		df - wc	1
				1 SEL Analytes: CL				
2005695-012B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2005695-012C				8260D-W-DEN100			VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				
2005695-013A	TW4-22_05272020	5/27/2020 0935h	5/29/2020 1050h	300.0-W	Aqueous		df - wc	1
				1 SEL Analytes: CL				
2005695-013B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2005695-013C				8260D-W-DEN100			VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				
2005695-014A	TW4-19_05272020	5/27/2020 0845h	5/29/2020 1050h	300.0-W	Aqueous		df - wc	1
				1 SEL Analytes: CL				
2005695-014B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2005695-014C				8260D-W-DEN100			VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				
2005695-015A	TW4-37_05272020	5/27/2020 0945h	5/29/2020 1050h	300.0-W	Aqueous		df - wc	1
				1 SEL Analytes: CL				
2005695-015B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2005695-015C				8260D-W-DEN100			VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				
2005695-016A	TW4-20_05272020	5/27/2020 0952h	5/29/2020 1050h	300.0-W	Aqueous		df - wc	1
				1 SEL Analytes: CL				
2005695-016B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2005695-016C				8260D-W-DEN100			VOCFridge	3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				
2005695-017A	TW4-60_05272020	5/27/2020 1310h	5/29/2020 1050h	300.0-W	Aqueous		df - wc	1
				1 SEL Analytes: CL				
2005695-017B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				

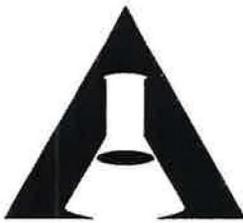
WORK ORDER Summary

Work Order: **2005695** Page 4 of 4

Client: Energy Fuels Resources, Inc.

Due Date: 6/12/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel Storage	
2005695-017C	TW4-60_05272020	5/27/2020 1310h	5/29/2020 1050h	8260D-W-DEN100	Aqueous	VOCFridge	3
<i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>							
2005695-018A	Trip Blank	5/27/2020 0845h	5/29/2020 1050h	8260D-W-DEN100	Aqueous	VOCFridge	3
<i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>							



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.

2005695

AWAL Lab Sample Set #
 Page 2 of 2

Client: **Energy Fuels Resources, Inc.**
 Address: **6425 S. Hwy. 191**
Blanding, UT 84511
 Contact: **Tanner Holliday**
 Phone #: **(435) 678-2221** Cell #:
gpalmer@energyfuels.com; KWeinel@energyfuels.com;
tholliday@energyfuels.com
 Project Name: **2nd Quarter Chloroform 2020**
 Project #:
 PO #:
 Sampler Name: **Tanner Holliday**

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					
# of Containers Sample Matrix NO2/NO3 (353.2) Cl (4500 or 300.0) VOCs (8260C)							
	4	TW4-19_05272020	5/27/2020	845	5	W	X X X
	5	TW4-37_05272020	5/27/2020	945	5	W	X X X
	6	TW4-20_05272020	5/27/2020	952	5	W	X X X
	7	TW4-60_05272020	5/27/2020	1310	5	W	X X X
	8	TRIP BLANK	5/27/2020	845	3	W	X
	9						
	10						
	11						
	12						
	13						

X Include EDD:
LOCUS UPLOAD
EXCEL
 Field Filtered For:

For Compliance With:
 NELAP
 RCRA
 CWA
 SDWA
 ELAP / A2LA
 NLLAP
 Non-Compliance
 Other:

Known Hazards & Sample Comments

Laboratory Use Only

Samples Were:
 1 Shipped or hand delivered **URS**
 2 Ambient or Chilled
 3 Temperature **1.0** °C
 4 Received Broken/Leaking (Improperly Sealed)
 Y N
 5 Properly Preserved
 Y N
 Checked at bench
 Y N
 6 Received Within Holding Times
 Y N

COC Tape Was:

1 Present on Outer Package
 Y N NA
 2 Unbroken on Outer Package
 Y N NA
 3 Present on Sample
 Y N NA
 4 Unbroken on Sample
 Y N NA

Discrepancies Between Sample Labels and COC Record?
 Y N

Relinquished by: Signature <i>Tanner Holliday</i>	Date: 5/28/2020	Received by: Signature <i>Elmer Hayward</i>	Date: 5/29/20	Special Instructions: See the Analytical Scope of Work for Reporting Limits and VOC analyte list.
Print Name: Tanner Holliday	Time: 1100	Print Name: Elmer Hayward	Time: 1151	
Relinquished by: Signature	Date:	Received by: Signature	Date:	
Print Name:	Time:	Print Name:	Time:	
Relinquished by: Signature	Date:	Received by: Signature	Date:	
Print Name:	Time:	Print Name:	Time:	
Relinquished by: Signature	Date:	Received by: Signature	Date:	
Print Name:	Time:	Print Name:	Time:	

Lab Set ID: 2005695

pH Lot #: 6299

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
Ammonia	pH <2 H ₂ SO ₄																	
COD	pH <2 H ₂ SO ₄																	
Cyanide	pH >12 NaOH																	
Metals	pH <2 HNO ₃																	
NO ₂ /NO ₃	pH <2 H ₂ SO ₄	Yes																
O & G	pH <2 HCL																	
Phenols	pH <2 H ₂ SO ₄																	
Sulfide	pH >9 NaOH, Zn Acetate																	
TKN	pH <2 H ₂ SO ₄																	
T PO ₄	pH <2 H ₂ SO ₄																	
Cr VI+	pH >9 (NH ₄) ₂ SO 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.



Tanner Holliday
Energy Fuels Resources, Inc.
6425 South Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 2nd Quarter Chloroform 2020

Dear Tanner Holliday:

Lab Set ID: 2006384

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

American West Analytical Laboratories received sample(s) on 6/12/2020 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, Wyoming, 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.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Thank You,

Approved by:

Jose G. Rocha	Digitally signed by Jose G. Rocha
	Date: 2020.06.29 14:31:49 -06'00'

Laboratory Director or designee



SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Set ID: 2006384
Date Received: 6/12/2020 1010h

Contact: Tanner Holliday

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
2006384-001A	TW4-03R_06092020	6/9/2020 1000h	Aqueous	Anions, E300.0
2006384-001B	TW4-03R_06092020	6/9/2020 1000h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-001C	TW4-03R_06092020	6/9/2020 1000h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-002A	TW4-03_06102020	6/10/2020 735h	Aqueous	Anions, E300.0
2006384-002B	TW4-03_06102020	6/10/2020 735h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-002C	TW4-03_06102020	6/10/2020 735h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-003A	TW4-42_06102020	6/10/2020 752h	Aqueous	Anions, E300.0
2006384-003B	TW4-42_06102020	6/10/2020 752h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-003C	TW4-42_06102020	6/10/2020 752h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-004A	TW4-28_06102020	6/10/2020 805h	Aqueous	Anions, E300.0
2006384-004B	TW4-28_06102020	6/10/2020 805h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-004C	TW4-28_06102020	6/10/2020 805h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-005A	TW4-32_06102020	6/10/2020 812h	Aqueous	Anions, E300.0
2006384-005B	TW4-32_06102020	6/10/2020 812h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-005C	TW4-32_06102020	6/10/2020 812h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-006A	TW4-12_06102020	6/10/2020 821h	Aqueous	Anions, E300.0
2006384-006B	TW4-12_06102020	6/10/2020 821h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-006C	TW4-12_06102020	6/10/2020 821h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-007A	TW4-65_06102020	6/10/2020 735h	Aqueous	Anions, E300.0
2006384-007B	TW4-65_06102020	6/10/2020 735h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-007C	TW4-65_06102020	6/10/2020 735h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-008A	TW4-13_06112020	6/11/2020 602h	Aqueous	Anions, E300.0
2006384-008B	TW4-13_06112020	6/11/2020 602h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-008C	TW4-13_06112020	6/11/2020 602h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-009A	TW4-36_06112020	6/11/2020 610h	Aqueous	Anions, E300.0
2006384-009B	TW4-36_06112020	6/11/2020 610h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-009C	TW4-36_06112020	6/11/2020 610h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-010A	TW4-31_06112020	6/11/2020 620h	Aqueous	Anions, E300.0



Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Set ID: 2006384
Date Received: 6/12/2020 1010h

Contact: Tanner Holliday

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
2006384-010B	TW4-31_06112020	6/11/2020 620h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-010C	TW4-31_06112020	6/11/2020 620h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-011A	TW4-34_06112020	6/11/2020 628h	Aqueous	Anions, E300.0
2006384-011B	TW4-34_06112020	6/11/2020 628h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-011C	TW4-34_06112020	6/11/2020 628h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-012A	TW4-35_06112020	6/11/2020 636h	Aqueous	Anions, E300.0
2006384-012B	TW4-35_06112020	6/11/2020 636h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-012C	TW4-35_06112020	6/11/2020 636h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-013A	TW4-23_06112020	6/11/2020 648h	Aqueous	Anions, E300.0
2006384-013B	TW4-23_06112020	6/11/2020 648h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-013C	TW4-23_06112020	6/11/2020 648h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-014A	TW4-38_06112020	6/11/2020 658h	Aqueous	Anions, E300.0
2006384-014B	TW4-38_06112020	6/11/2020 658h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-014C	TW4-38_06112020	6/11/2020 658h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-015A	TW4-14_06112020	6/11/2020 708h	Aqueous	Anions, E300.0
2006384-015B	TW4-14_06112020	6/11/2020 708h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-015C	TW4-14_06112020	6/11/2020 708h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-016A	TW4-06_06112020	6/11/2020 718h	Aqueous	Anions, E300.0
2006384-016B	TW4-06_06112020	6/11/2020 718h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-016C	TW4-06_06112020	6/11/2020 718h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-017A	TW4-27_06112020	6/11/2020 729h	Aqueous	Anions, E300.0
2006384-017B	TW4-27_06112020	6/11/2020 729h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-017C	TW4-27_06112020	6/11/2020 729h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-018A	TW4-05_06112020	6/11/2020 740h	Aqueous	Anions, E300.0
2006384-018B	TW4-05_06112020	6/11/2020 740h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-018C	TW4-05_06112020	6/11/2020 740h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006384-019A	TW4-09R_06112020	6/11/2020 845h	Aqueous	Anions, E300.0
2006384-019B	TW4-09R_06112020	6/11/2020 845h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006384-019C	TW4-09R_06112020	6/11/2020 845h	Aqueous	VOA by GC/MS Method 8260D/5030C

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Set ID: 2006384
Date Received: 6/12/2020 1010h

Contact: Tanner Holliday

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
2006384-020A	Trip Blank	6/9/2020 1000h	Aqueous	VOA by GC/MS Method 8260D/5030C

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Tanner Holliday
Project: 2nd Quarter Chloroform 2020
Lab Set ID: 2006384

Sample Receipt Information:

3440 South 700 West
Salt Lake City, UT 84119

Date of Receipt: 6/12/2020
Date(s) of Collection: 6/9-6/11/2020
Sample Condition: Intact
C-O-C Discrepancies: None

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Corrective Action: None required.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

web: www.awal-labs.com



Volatile Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Tanner Holliday
Project: 2nd Quarter Chloroform 2020
Lab Set ID: 2006384

Sample Receipt Information:

Date of Receipt: 6/12/2020
Date(s) of Collection: 6/9-6/11/2020
Sample Condition: Intact
C-O-C Discrepancies: None
Method: SW-846 8260D/5030C
Analysis: Volatile Organic Compounds

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

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



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: 2006384
Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday
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-R140166	Date Analyzed: 06/22/2020 1128h												
Test Code: 300.0-W													
Chloride	4.86	mg/L	E300.0	0.0565	0.100	5.000	0	97.1	90 - 110				
Lab Sample ID: LCS-R139820	Date Analyzed: 06/15/2020 824h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.01	mg/L	E353.2	0.00494	0.0100	1.000	0	101	90 - 110				



3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006384
Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday
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-R140166	Date Analyzed: 06/22/2020 1112h												
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0565	0.100								
Lab Sample ID: MB-R139820	Date Analyzed: 06/15/2020 823h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00494	0.0100								



3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 2006384

Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday

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: 2006384-003AMS Date Analyzed: 06/22/2020 1235h													
Test Code: 300.0-W													
Chloride	71.1	mg/L	E300.0	0.565	1.00	50.00	23.1	95.9	90 - 110				
Lab Sample ID: 2006384-011AMS Date Analyzed: 06/22/2020 1523h													
Test Code: 300.0-W													
Chloride	67.8	mg/L	E300.0	0.565	1.00	50.00	20.9	93.8	90 - 110				
Lab Sample ID: 2006384-009BMS Date Analyzed: 06/15/2020 832h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.14	mg/L	E353.2	0.00494	0.0100	1.000	0.0958	104	90 - 110				
Lab Sample ID: 2006384-016BMS Date Analyzed: 06/15/2020 857h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.26	mg/L	E353.2	0.00494	0.0100	1.000	0.205	105	90 - 110				



3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 2006384

Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday

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: 2006384-003AMSD													
Date Analyzed: 06/22/2020 1252h													
Test Code: 300.0-W													
Chloride	71.2	mg/L	E300.0	0.565	1.00	50.00	23.1	96.2	90 - 110	71.1	0.179	20	
Lab Sample ID: 2006384-011AMSD													
Date Analyzed: 06/22/2020 1540h													
Test Code: 300.0-W													
Chloride	69.1	mg/L	E300.0	0.565	1.00	50.00	20.9	96.4	90 - 110	67.8	1.85	20	
Lab Sample ID: 2006384-009BMSD													
Date Analyzed: 06/15/2020 833h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.15	mg/L	E353.2	0.00494	0.0100	1.000	0.0958	106	90 - 110	1.14	1.31	10	
Lab Sample ID: 2006384-016BMSD													
Date Analyzed: 06/15/2020 858h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.23	mg/L	E353.2	0.00494	0.0100	1.000	0.205	102	90 - 110	1.26	2.25	10	



3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 2006384

Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday

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-1 061220B													
Date Analyzed: 06/12/2020 1431h													
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	20.5	µg/L	SW8260D	0.859	1.00	20.00	0	102	66 - 143				
Chloroform	20.4	µg/L	SW8260D	0.166	1.00	20.00	0	102	79 - 124				
Chloromethane	15.6	µg/L	SW8260D	0.802	1.00	20.00	0	78.2	30 - 149				
Methylene chloride	20.6	µg/L	SW8260D	0.381	1.00	20.00	0	103	65 - 154				
Surr: 1,2-Dichloroethane-d4	52.2	µg/L	SW8260D			50.00		104	80 - 136				
Surr: 4-Bromofluorobenzene	52.9	µg/L	SW8260D			50.00		106	85 - 121				
Surr: Dibromofluoromethane	45.3	µg/L	SW8260D			50.00		90.7	78 - 132				
Surr: Toluene-d8	53.1	µg/L	SW8260D			50.00		106	81 - 123				
Lab Sample ID: LCS VOC-1 061320A													
Date Analyzed: 06/13/2020 712h													
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	20.5	µg/L	SW8260D	0.859	1.00	20.00	0	102	66 - 143				
Chloroform	19.8	µg/L	SW8260D	0.166	1.00	20.00	0	99.2	79 - 124				
Chloromethane	14.0	µg/L	SW8260D	0.802	1.00	20.00	0	69.8	30 - 149				
Methylene chloride	19.4	µg/L	SW8260D	0.381	1.00	20.00	0	96.8	65 - 154				
Surr: 1,2-Dichloroethane-d4	53.4	µg/L	SW8260D			50.00		107	80 - 136				
Surr: 4-Bromofluorobenzene	52.3	µg/L	SW8260D			50.00		105	85 - 121				
Surr: Dibromofluoromethane	47.7	µg/L	SW8260D			50.00		95.3	78 - 132				
Surr: Toluene-d8	52.6	µg/L	SW8260D			50.00		105	81 - 123				



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: 2006384

Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday

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-1 061220B													
Date Analyzed: 06/12/2020 1451h													
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	< 1.00	µg/L	SW8260D	0.859	1.00								
Chloroform	< 1.00	µg/L	SW8260D	0.166	1.00								
Chloromethane	< 1.00	µg/L	SW8260D	0.802	1.00								
Methylene chloride	< 1.00	µg/L	SW8260D	0.381	1.00								
Surr: 1,2-Dichloroethane-d4	53.1	µg/L	SW8260D			50.00		106	80 - 136				
Surr: 4-Bromofluorobenzene	50.9	µg/L	SW8260D			50.00		102	85 - 121				
Surr: Dibromofluoromethane	46.3	µg/L	SW8260D			50.00		92.7	78 - 132				
Surr: Toluene-d8	51.5	µg/L	SW8260D			50.00		103	81 - 123				
Lab Sample ID: MB VOC-1 061320A													
Date Analyzed: 06/13/2020 733h													
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	< 1.00	µg/L	SW8260D	0.859	1.00								
Chloroform	< 1.00	µg/L	SW8260D	0.166	1.00								
Chloromethane	< 1.00	µg/L	SW8260D	0.802	1.00								
Methylene chloride	< 1.00	µg/L	SW8260D	0.381	1.00								
Surr: 1,2-Dichloroethane-d4	53.5	µg/L	SW8260D			50.00		107	80 - 136				
Surr: 4-Bromofluorobenzene	52.1	µg/L	SW8260D			50.00		104	85 - 121				
Surr: Dibromofluoromethane	46.9	µg/L	SW8260D			50.00		93.9	78 - 132				
Surr: Toluene-d8	51.6	µg/L	SW8260D			50.00		103	81 - 123				



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: 2006384
Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday
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: 2006384-009CMS		Date Analyzed: 06/13/2020 915h											
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	21.4	µg/L	SW8260D	0.859	1.00	20.00	0	107	66 - 143				
Chloroform	20.4	µg/L	SW8260D	0.166	1.00	20.00	0	102	79 - 124				
Chloromethane	14.9	µg/L	SW8260D	0.802	1.00	20.00	0	74.4	30 - 149				
Methylene chloride	20.3	µg/L	SW8260D	0.381	1.00	20.00	0	102	65 - 154				
Surr: 1,2-Dichloroethane-d4	53.3	µg/L	SW8260D			50.00		107	80 - 136				
Surr: 4-Bromofluorobenzene	53.7	µg/L	SW8260D			50.00		107	85 - 121				
Surr: Dibromofluoromethane	46.7	µg/L	SW8260D			50.00		93.4	78 - 132				
Surr: Toluene-d8	53.1	µg/L	SW8260D			50.00		106	81 - 123				



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: 2006384
Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday
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: 2006384-009CMSD		Date Analyzed: 06/13/2020 935h											
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	18.9	µg/L	SW8260D	0.859	1.00	20.00	0	94.4	66 - 143	21.4	12.2	35	
Chloroform	18.9	µg/L	SW8260D	0.166	1.00	20.00	0	94.7	79 - 124	20.4	7.62	35	
Chloromethane	14.2	µg/L	SW8260D	0.802	1.00	20.00	0	70.9	30 - 149	14.9	4.96	35	
Methylene chloride	18.6	µg/L	SW8260D	0.381	1.00	20.00	0	92.8	65 - 154	20.3	9.15	35	
Surr: 1,2-Dichloroethane-d4	52.2	µg/L	SW8260D			50.00		104	80 - 136				
Surr: 4-Bromofluorobenzene	52.0	µg/L	SW8260D			50.00		104	85 - 121				
Surr: Dibromofluoromethane	45.5	µg/L	SW8260D			50.00		91.0	78 - 132				
Surr: Toluene-d8	53.0	µg/L	SW8260D			50.00		106	81 - 123				

WORK ORDER Summary

Work Order: **2006384**

Page 1 of 4

Client: Energy Fuels Resources, Inc.

Due Date: 6/26/2020

Client ID: ENE300

Contact: Tanner Holliday

Project: 2nd Quarter Chloroform 2020

QC Level: III

WO Type: Project

Comments: QC 3 (no chromatograms). EDD-Denison. CC KWeinel@energyfuels.com; Do not use "*R_" samples as MS/MSD.;

eh

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2006384-001A	TW4-03R_06092020	6/9/2020 1000h	6/12/2020 1010h	300.0-W	Aqueous	df - wc		1
				<i>1 SEL Analytes: CL</i>				
2006384-001B				NO2/NO3-W-353.2		df - no2/no3		
				<i>1 SEL Analytes: NO3NO2N</i>				
2006384-001C				8260D-W-DEN100		VOCFridge		3
				<i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>				
2006384-002A	TW4-03_06102020	6/10/2020 0735h	6/12/2020 1010h	300.0-W	Aqueous	df - wc		1
				<i>1 SEL Analytes: CL</i>				
2006384-002B				NO2/NO3-W-353.2		df - no2/no3		
				<i>1 SEL Analytes: NO3NO2N</i>				
2006384-002C				8260D-W-DEN100		VOCFridge		3
				<i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>				
2006384-003A	TW4-42_06102020	6/10/2020 0752h	6/12/2020 1010h	300.0-W	Aqueous	df - wc		1
				<i>1 SEL Analytes: CL</i>				
2006384-003B				NO2/NO3-W-353.2		df - no2/no3		
				<i>1 SEL Analytes: NO3NO2N</i>				
2006384-003C				8260D-W-DEN100		VOCFridge		3
				<i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>				
2006384-004A	TW4-28_06102020	6/10/2020 0805h	6/12/2020 1010h	300.0-W	Aqueous	df - wc		1
				<i>1 SEL Analytes: CL</i>				
2006384-004B				NO2/NO3-W-353.2		df - no2/no3		
				<i>1 SEL Analytes: NO3NO2N</i>				
2006384-004C				8260D-W-DEN100		VOCFridge		3
				<i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>				
2006384-005A	TW4-32_06102020	6/10/2020 0812h	6/12/2020 1010h	300.0-W	Aqueous	df - wc		1
				<i>1 SEL Analytes: CL</i>				
2006384-005B				NO2/NO3-W-353.2		df - no2/no3		
				<i>1 SEL Analytes: NO3NO2N</i>				
2006384-005C				8260D-W-DEN100		VOCFridge		3
				<i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>				

WORK ORDER Summary

Work Order: **2006384**

Page 2 of 4

Client: Energy Fuels Resources, Inc.

Due Date: 6/26/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2006384-006A	TW4-12_06102020	6/10/2020 0821h	6/12/2020 1010h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous		df - wc	1
2006384-006B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>			df - no2/no3	
2006384-006C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>			VOCFridge	3
2006384-007A	TW4-65_06102020	6/10/2020 0735h	6/12/2020 1010h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous		df - wc	1
2006384-007B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>			df - no2/no3	
2006384-007C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>			VOCFridge	3
2006384-008A	TW4-13_06112020	6/11/2020 0602h	6/12/2020 1010h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous		df - wc	1
2006384-008B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>			df - no2/no3	
2006384-008C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>			VOCFridge	3
2006384-009A	TW4-36_06112020	6/11/2020 0610h	6/12/2020 1010h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous		df - wc	1
2006384-009B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>			df - no2/no3	
2006384-009C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>			VOCFridge	3
2006384-010A	TW4-31_06112020	6/11/2020 0620h	6/12/2020 1010h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous		df - wc	1
2006384-010B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>			df - no2/no3	
2006384-010C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>			VOCFridge	3
2006384-011A	TW4-34_06112020	6/11/2020 0628h	6/12/2020 1010h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous		df - wc	1
2006384-011B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>			df - no2/no3	
2006384-011C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>			VOCFridge	3

WORK ORDER Summary

Work Order: **2006384** Page 3 of 4

Client: Energy Fuels Resources, Inc.

Due Date: 6/26/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2006384-012A	TW4-35_06112020	6/11/2020 0636h	6/12/2020 1010h	300.0-W	Aqueous	<input checked="" type="checkbox"/>	df - wc	1
				<i>1 SEL Analytes: CL</i>				
2006384-012B				NO2/NO3-W-353.2		<input checked="" type="checkbox"/>	df - no2/no3	
				<i>1 SEL Analytes: NO3NO2N</i>				
2006384-012C				8260D-W-DEN100		<input checked="" type="checkbox"/>	VOCFridge	3
				<i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>				
2006384-013A	TW4-23_06112020	6/11/2020 0648h	6/12/2020 1010h	300.0-W	Aqueous	<input checked="" type="checkbox"/>	df - wc	1
				<i>1 SEL Analytes: CL</i>				
2006384-013B				NO2/NO3-W-353.2		<input checked="" type="checkbox"/>	df - no2/no3	
				<i>1 SEL Analytes: NO3NO2N</i>				
2006384-013C				8260D-W-DEN100		<input checked="" type="checkbox"/>	VOCFridge	3
				<i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>				
2006384-014A	TW4-38_06112020	6/11/2020 0658h	6/12/2020 1010h	300.0-W	Aqueous	<input checked="" type="checkbox"/>	df - wc	1
				<i>1 SEL Analytes: CL</i>				
2006384-014B				NO2/NO3-W-353.2		<input checked="" type="checkbox"/>	df - no2/no3	
				<i>1 SEL Analytes: NO3NO2N</i>				
2006384-014C				8260D-W-DEN100		<input checked="" type="checkbox"/>	VOCFridge	3
				<i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>				
2006384-015A	TW4-14_06112020	6/11/2020 0708h	6/12/2020 1010h	300.0-W	Aqueous	<input checked="" type="checkbox"/>	df - wc	1
				<i>1 SEL Analytes: CL</i>				
2006384-015B				NO2/NO3-W-353.2		<input checked="" type="checkbox"/>	df - no2/no3	
				<i>1 SEL Analytes: NO3NO2N</i>				
2006384-015C				8260D-W-DEN100		<input checked="" type="checkbox"/>	VOCFridge	3
				<i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>				
2006384-016A	TW4-06_06112020	6/11/2020 0718h	6/12/2020 1010h	300.0-W	Aqueous	<input checked="" type="checkbox"/>	df - wc	1
				<i>1 SEL Analytes: CL</i>				
2006384-016B				NO2/NO3-W-353.2		<input checked="" type="checkbox"/>	df - no2/no3	
				<i>1 SEL Analytes: NO3NO2N</i>				
2006384-016C				8260D-W-DEN100		<input checked="" type="checkbox"/>	VOCFridge	3
				<i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>				
2006384-017A	TW4-27_06112020	6/11/2020 0729h	6/12/2020 1010h	300.0-W	Aqueous	<input checked="" type="checkbox"/>	df - wc	1
				<i>1 SEL Analytes: CL</i>				
2006384-017B				NO2/NO3-W-353.2		<input checked="" type="checkbox"/>	df - no2/no3	
				<i>1 SEL Analytes: NO3NO2N</i>				

WORK ORDER Summary

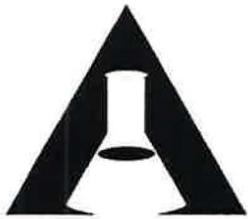
Work Order: **2006384**

Page 4 of 4

Client: Energy Fuels Resources, Inc.

Due Date: 6/26/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2006384-017C	TW4-27_06112020	6/11/2020 0729h	6/12/2020 1010h	8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>	Aqueous		VOCFridge	3
2006384-018A	TW4-05_06112020	6/11/2020 0740h	6/12/2020 1010h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous		df - wc	1
2006384-018B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>			df - no2/no3	
2006384-018C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>			VOCFridge	3
2006384-019A	TW4-09R_06112020	6/11/2020 0845h	6/12/2020 1010h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous		df - wc	1
2006384-019B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>			df - no2/no3	
2006384-019C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>			VOCFridge	3
2006384-020A	Trip Blank	6/9/2020 1000h	6/12/2020 1010h	8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>	Aqueous		VOCFridge	3



**American West
Analytical Laboratories**

463 W. 3600 S. Salt Lake City, UT 84115
 Phone # (801) 263-8686 Toll Free # (888) 263-8686
 Fax # (801) 263-8687 Email awal@awal-labs.com
 www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

2006384

AWAL Lab Sample Set #
 Page 1 of 2

Client: **Energy Fuels Resources, Inc.**
 Address: **6425 S. Hwy. 191**
Blanding, UT 84511
 Contact: **Tanner Holliday**
 Phone #: **(435) 678-2221** Cell #: _____
 Email: **kweinel@energyfuels.com; tholliday@energyfuels.com**
 Project Name: **2nd Quarter Chloroform 2020**
 Project #: _____
 PO #: _____
 Sampler Name: **Tanner Holliday**

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.			
3				Standard							
# of Containers	Sample Matrix	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)							
5	W	X	X	X							
5	W	X	X	X							
5	W	X	X	X							
5	W	X	X	X							
5	W	X	X	X							
5	W	X	X	X							
5	W	X	X	X							
5	W	X	X	X							
5	W	X	X	X							
5	W	X	X	X							
5	W	X	X	X							
5	W	X	X	X							
5	W	X	X	X							
5	W	X	X	X							
5	W	X	X	X							

Include EDD:
LOCUS UPLOAD
EXCEL
 Field Filtered For:

For Compliance With:
 NELAP
 RCRA
 CWA
 SDWA
 ELAP / A2LA
 NLLAP
 Non-Compliance
 Other:

Known Hazards & Sample Comments

Due Date:

Laboratory Use Only

Samples Were:

- Shipped or hand delivered
- Ambient or Chilled
- Temperature 14 °C
- Received Broken/Leaking (Improperly Sealed)
Y N
- Properly Preserved
Checked at bench
Y N
- Received Within Holding Times
Y N

COC Tape Was:

- Present on Outer Package
Y N NA
- Unbroken on Outer Package
Y N NA
- Present on Sample
Y N NA
- Unbroken on Sample
Y N NA

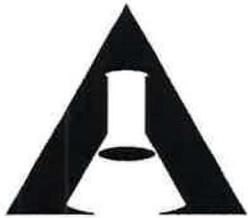
Discrepancies Between Sample Labels and COC Record?
Y N

Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)
1 TW4-03R_06092020	6/9/2020	1000	5	W	X	X	X
2 TW4-03_06102020	6/10/2020	735	5	W	X	X	X
3 TW4-42_06102020	6/10/2020	752	5	W	X	X	X
4 TW4-28_06102020	6/10/2020	805	5	W	X	X	X
5 TW4-32_06102020	6/10/2020	812	5	W	X	X	X
6 TW4-12_06102020	6/10/2020	821	5	W	X	X	X
7 TW4-65_06102020	6/10/2020	735	5	W	X	X	X
8 TW4-13_06112020	6/11/2020	602	5	W	X	X	X
9 TW4-36_06112020	6/11/2020	610	5	W	X	X	X
10 TW4-31_06112020	6/11/2020	620	5	W	X	X	X
11 TW4-34_06112020	6/11/2020	628	5	W	X	X	X
12 TW4-35_06112020	6/11/2020	636	5	W	X	X	X
13 TW4-23_06112020	6/11/2020	648	5	W	X	X	X

Relinquished by: <u>Tanner Holliday</u> Signature	Date: 6/11/2020	Received by: _____ Signature	Date: _____
Print Name: Tanner Holliday	Time: 1100	Print Name: _____	Time: _____
Relinquished by: _____ Signature	Date: _____	Received by: <u>Elaine Hays</u> Signature	Date: 6/12/20
Print Name: _____	Time: _____	Print Name: Elaine Hays	Time: 1010
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 analyses 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.

2006384
 AWAL Lab Sample Set #
 Page 2 of 2

Client: **Energy Fuels Resources, Inc.**
 Address: **6425 S. Hwy. 191**
Blanding, UT 84511
 Contact: **Tanner Holliday**
 Phone #: **(435) 678-2221** Cell #: _____
 Email: **kweinel@energyfuels.com; tholliday@energyfuels.com**
 Project Name: **2nd Quarter Chloroform 2020**
 Project #: _____
 PO #: _____
 Sampler Name: **Tanner Holliday**

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											
Sample ID	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)							Laboratory Use Only	
														Y	N
1 TW4-38_06112020	6/11/2020	658	5	W	X	X	X							1 Shipped or hand delivered	
5 TW4-14_06112020	6/11/2020	708	5	W	X	X	X							2 Ambient or Chilled	
6 TW4-06_06112020	6/11/2020	718	5	W	X	X	X							3 Temperature 1.4 °C	
7 TW4-27_06112020	6/11/2020	729	5	W	X	X	X							4 Received Broken/Leaking (Improperly Sealed)	
8 TW4-05_06112020	6/11/2020	740	5	W	X	X	X							5 Properly Preserved	
9 TW4-09R_06112020	6/11/2020	845	5	W	X	X	X							6 Received Within Holding Times	
10 TRIP BLANK	6/9/2020	1000	3	W			X								

X Include EDD:
LOCUS UPLOAD
EXCEL
 Field Filtered For:

 For Compliance With:
 NELAP
 RCRA
 CWA
 SDWA
 ELAP / A2LA
 NLLAP
 Non-Compliance
 Other:

 Known Hazards & Sample Comments

Samples Were:
 1 Shipped or hand delivered
 2 Ambient or Chilled
 3 Temperature 1.4 °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: <i>Tanner Holliday</i>	Date: 6/11/2020	Received by: Signature: _____	Date: _____	Special Instructions: See the Analytical Scope of Work for Reporting Limits and VOC analyte list.
Print Name: Tanner Holliday	Time: 1100	Print Name: _____	Time: _____	
Relinquished by: Signature: _____	Date: _____	Received by: Signature: <i>Eric M. Hayward</i>	Date: 6/12/20	
Print Name: _____	Time: _____	Print Name: Eric M. Hayward	Time: 1010	
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: _____	



Tanner Holliday
Energy Fuels Resources, Inc.
6425 South Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 2nd Quarter Chloroform 2020

Dear Tanner Holliday:

Lab Set ID: 2006426

3440 South 700 West
Salt Lake City, UT 84119

American West Analytical Laboratories received sample(s) on 6/16/2020 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, Wyoming, and Missouri.

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687

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.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Thank You,

Approved by:

Jose G. Rocha	Digitally signed by Jose G. Rocha Date: 2020.06.29 14:29:33 -06'00'
--------------------------	---

Laboratory Director or designee



SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Set ID: 2006426
Date Received: 6/16/2020 1000h

Contact: Tanner Holliday

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
2006426-001A	MW-32_06122020	6/12/2020 1140h	Aqueous	Anions, E300.0
2006426-001B	MW-32_06122020	6/12/2020 1140h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006426-001C	MW-32_06122020	6/12/2020 1140h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006426-002A	TW4-09_06122020	6/12/2020 625h	Aqueous	Anions, E300.0
2006426-002B	TW4-09_06122020	6/12/2020 625h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006426-002C	TW4-09_06122020	6/12/2020 625h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006426-003A	TW4-30_06122020	6/12/2020 648h	Aqueous	Anions, E300.0
2006426-003B	TW4-30_06122020	6/12/2020 648h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006426-003C	TW4-30_06122020	6/12/2020 648h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006426-004A	TW4-08_06122020	6/12/2020 658h	Aqueous	Anions, E300.0
2006426-004B	TW4-08_06122020	6/12/2020 658h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006426-004C	TW4-08_06122020	6/12/2020 658h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006426-005A	TW4-18_06122020	6/12/2020 710h	Aqueous	Anions, E300.0
2006426-005B	TW4-18_06122020	6/12/2020 710h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006426-005C	TW4-18_06122020	6/12/2020 710h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006426-006A	TW4-33_06122020	6/12/2020 724h	Aqueous	Anions, E300.0
2006426-006B	TW4-33_06122020	6/12/2020 724h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006426-006C	TW4-33_06122020	6/12/2020 724h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006426-007A	TW4-16_06122020	6/12/2020 735h	Aqueous	Anions, E300.0
2006426-007B	TW4-16_06122020	6/12/2020 735h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006426-007C	TW4-16_06122020	6/12/2020 735h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006426-008A	TW4-29_06122020	6/12/2020 746h	Aqueous	Anions, E300.0
2006426-008B	TW4-29_06122020	6/12/2020 746h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006426-008C	TW4-29_06122020	6/12/2020 746h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006426-009A	TW4-07_06122020	6/12/2020 800h	Aqueous	Anions, E300.0
2006426-009B	TW4-07_06122020	6/12/2020 800h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006426-009C	TW4-07_06122020	6/12/2020 800h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006426-010A	TW4-10_06122020	6/12/2020 812h	Aqueous	Anions, E300.0

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Chloroform 2020
Lab Set ID: 2006426
Date Received: 6/16/2020 1000h

Contact: Tanner Holliday

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
2006426-010B	TW4-10_06122020	6/12/2020 812h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006426-010C	TW4-10_06122020	6/12/2020 812h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006426-011A	TW4-26_06122020	6/12/2020 823h	Aqueous	Anions, E300.0
2006426-011B	TW4-26_06122020	6/12/2020 823h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006426-011C	TW4-26_06122020	6/12/2020 823h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006426-012A	TW4-70_06122020	6/12/2020 625h	Aqueous	Anions, E300.0
2006426-012B	TW4-70_06122020	6/12/2020 625h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006426-012C	TW4-70_06122020	6/12/2020 625h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006426-013A	TW4-75_06122020	6/12/2020 800h	Aqueous	Anions, E300.0
2006426-013B	TW4-75_06122020	6/12/2020 800h	Aqueous	Nitrite/Nitrate (as N), E353.2
2006426-013C	TW4-75_06122020	6/12/2020 800h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006426-014A	Trip Blank	6/12/2020 625h	Aqueous	VOA by GC/MS Method 8260D/5030C
2006426-015A	Post DI	6/12/2020 915h	Aqueous	VOA by GC/MS Method 8260D/5030C

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Tanner Holliday
Project: 2nd Quarter Chloroform 2020
Lab Set ID: 2006426

Sample Receipt Information:

Date of Receipt: 6/16/2020
Date(s) of Collection: 6/12/2020
Sample Condition: Intact
C-O-C Discrepancies: None

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Corrective Action: None required.

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



Volatile Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Tanner Holliday
Project: 2nd Quarter Chloroform 2020
Lab Set ID: 2006426

Sample Receipt Information:

Date of Receipt: 6/16/2020
Date(s) of Collection: 6/12/2020
Sample Condition: Intact
C-O-C Discrepancies: None
Method: SW-846 8260D/5030C
Analysis: Volatile Organic Compounds

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

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.

Kyle F. Gross
Laboratory Director

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Jose Rocha
QA Officer

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions: the MS and MSD percent recoveries for Chloroform on sample 2006426-003C were outside of the control limits due to sample matrix interference.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.



Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006426
Project: 2nd Quarter Chloroform 2020

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

Contact: Tanner Holliday
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-R140197 Date Analyzed: 06/23/2020 2249h													
Test Code: 300.0-W													
Chloride	4.99	mg/L	E300.0	0.0565	0.100	5.000	0	99.7	90 - 110				
Lab Sample ID: LCS-R139881 Date Analyzed: 06/16/2020 1115h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.07	mg/L	E353.2	0.00494	0.0100	1.000	0	107	90 - 110				



3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006426
Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday
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-R140197													
Date Analyzed: 06/23/2020 2232h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0565	0.100								
Lab Sample ID: MB-R139881													
Date Analyzed: 06/16/2020 1114h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00494	0.0100								



American West
ANALYTICAL LABORATORIES

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 2006426

Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday

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: 2006426-002AMS Date Analyzed: 06/23/2020 2339h													
Test Code: 300.0-W													
Chloride	87.9	mg/L	E300.0	0.565	1.00	50.00	39.5	96.9	90 - 110				
Lab Sample ID: 2006426-005AMS Date Analyzed: 06/24/2020 210h													
Test Code: 300.0-W													
Chloride	90.8	mg/L	E300.0	0.565	1.00	50.00	41.4	98.9	90 - 110				
Lab Sample ID: 2006426-001BMS Date Analyzed: 06/16/2020 1235h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.960	mg/L	E353.2	0.00494	0.0100	1.000	0.0539	90.6	90 - 110				



3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 2006426

Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday

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: 2006426-002AMSD Date Analyzed: 06/23/2020 2356h													
Test Code: 300.0-W													
Chloride	87.5	mg/L	E300.0	0.565	1.00	50.00	39.5	96.0	90 - 110	87.9	0.506	20	
Lab Sample ID: 2006426-005AMSD Date Analyzed: 06/24/2020 227h													
Test Code: 300.0-W													
Chloride	90.0	mg/L	E300.0	0.565	1.00	50.00	41.4	97.3	90 - 110	90.8	0.856	20	
Lab Sample ID: 2006426-001BMSD Date Analyzed: 06/16/2020 1236h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.959	mg/L	E353.2	0.00494	0.0100	1.000	0.0539	90.5	90 - 110	0.96	0.0417	10	



3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 2006426

Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday

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-1 061620A Date Analyzed: 06/16/2020 728h													
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	16.9	µg/L	SW8260D	0.859	1.00	20.00	0	84.6	66 - 143				
Chloroform	18.2	µg/L	SW8260D	0.166	1.00	20.00	0	90.8	79 - 124				
Chloromethane	15.0	µg/L	SW8260D	0.802	1.00	20.00	0	75.0	30 - 149				
Methylene chloride	19.4	µg/L	SW8260D	0.381	1.00	20.00	0	96.9	65 - 154				
Surr: 1,2-Dichloroethane-d4	52.1	µg/L	SW8260D			50.00		104	80 - 136				
Surr: 4-Bromofluorobenzene	51.0	µg/L	SW8260D			50.00		102	85 - 121				
Surr: Dibromofluoromethane	46.7	µg/L	SW8260D			50.00		93.3	78 - 132				
Surr: Toluene-d8	52.4	µg/L	SW8260D			50.00		105	81 - 123				
Lab Sample ID: LCS VOC-1 061720A Date Analyzed: 06/17/2020 734h													
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	18.2	µg/L	SW8260D	0.859	1.00	20.00	0	91.2	66 - 143				
Chloroform	18.9	µg/L	SW8260D	0.166	1.00	20.00	0	94.4	79 - 124				
Chloromethane	16.3	µg/L	SW8260D	0.802	1.00	20.00	0	81.4	30 - 149				
Methylene chloride	21.7	µg/L	SW8260D	0.381	1.00	20.00	0	108	65 - 154				
Surr: 1,2-Dichloroethane-d4	54.1	µg/L	SW8260D			50.00		108	80 - 136				
Surr: 4-Bromofluorobenzene	53.3	µg/L	SW8260D			50.00		107	85 - 121				
Surr: Dibromofluoromethane	52.9	µg/L	SW8260D			50.00		106	78 - 132				
Surr: Toluene-d8	53.5	µg/L	SW8260D			50.00		107	81 - 123				



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: 2006426
Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday
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-1 061620A													
Date Analyzed: 06/16/2020 837h													
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	< 1.00	µg/L	SW8260D	0.859	1.00								
Chloroform	< 1.00	µg/L	SW8260D	0.166	1.00								
Chloromethane	< 1.00	µg/L	SW8260D	0.802	1.00								
Methylene chloride	< 1.00	µg/L	SW8260D	0.381	1.00								
Surr: 1,2-Dichloroethane-d4	53.5	µg/L	SW8260D			50.00		107	80 - 136				
Surr: 4-Bromofluorobenzene	53.2	µg/L	SW8260D			50.00		106	85 - 121				
Surr: Dibromofluoromethane	49.0	µg/L	SW8260D			50.00		98.0	78 - 132				
Surr: Toluene-d8	53.1	µg/L	SW8260D			50.00		106	81 - 123				
Lab Sample ID: MB VOC-1 061720A													
Date Analyzed: 06/17/2020 754h													
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	< 1.00	µg/L	SW8260D	0.859	1.00								
Chloroform	< 1.00	µg/L	SW8260D	0.166	1.00								
Chloromethane	< 1.00	µg/L	SW8260D	0.802	1.00								
Methylene chloride	< 1.00	µg/L	SW8260D	0.381	1.00								
Surr: 1,2-Dichloroethane-d4	55.1	µg/L	SW8260D			50.00		110	80 - 136				
Surr: 4-Bromofluorobenzene	50.7	µg/L	SW8260D			50.00		101	85 - 121				
Surr: Dibromofluoromethane	51.5	µg/L	SW8260D			50.00		103	78 - 132				
Surr: Toluene-d8	51.9	µg/L	SW8260D			50.00		104	81 - 123				



Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006426
Project: 2nd Quarter Chloroform 2020

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

Contact: Tanner Holliday
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: 2006426-003CMS		Date Analyzed: 06/17/2020 955h											
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	26.4	µg/L	SW8260D	0.859	1.00	20.00	0	132	66 - 143				
Chloroform	90.8	µg/L	SW8260D	0.166	1.00	20.00	65.4	127	79 - 124				
Chloromethane	22.3	µg/L	SW8260D	0.802	1.00	20.00	0	111	30 - 149				
Methylene chloride	25.1	µg/L	SW8260D	0.381	1.00	20.00	0	126	65 - 154				
Surr: 1,2-Dichloroethane-d4	53.6	µg/L	SW8260D			50.00		107	80 - 136				
Surr: 4-Bromofluorobenzene	52.1	µg/L	SW8260D			50.00		104	85 - 121				
Surr: Dibromofluoromethane	48.1	µg/L	SW8260D			50.00		96.2	78 - 132				
Surr: Toluene-d8	53.2	µg/L	SW8260D			50.00		106	81 - 123				

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



3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 2006426
Project: 2nd Quarter Chloroform 2020

Contact: Tanner Holliday
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: 2006426-003CMSD		Date Analyzed: 06/17/2020 1015h											
Test Code: 8260D-W-DEN100													
Carbon tetrachloride	24.1	µg/L	SW8260D	0.859	1.00	20.00	0	120	66 - 143	26.4	9.15	35	
Chloroform	90.6	µg/L	SW8260D	0.166	1.00	20.00	65.4	126	79 - 124	90.8	0.254	35	1
Chloromethane	20.2	µg/L	SW8260D	0.802	1.00	20.00	0	101	30 - 149	22.3	9.50	35	
Methylene chloride	22.9	µg/L	SW8260D	0.381	1.00	20.00	0	115	65 - 154	25.1	9.28	35	
Surr: 1,2-Dichloroethane-d4	54.5	µg/L	SW8260D			50.00		109	80 - 136				
Surr: 4-Bromofluorobenzene	51.2	µg/L	SW8260D			50.00		102	85 - 121				
Surr: Dibromofluoromethane	49.8	µg/L	SW8260D			50.00		99.6	78 - 132				
Surr: Toluene-d8	53.1	µg/L	SW8260D			50.00		106	81 - 123				

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

WORK ORDER Summary

Work Order: **2006426**

Page 1 of 3

Client: Energy Fuels Resources, Inc.

Due Date: 6/30/2020

Client ID: ENE300

Contact: Tanner Holliday

Project: 2nd Quarter Chloroform 2020

QC Level: III

WO Type: Project

Comments: QC 3 (no chromatograms). EDD-Denison. CC KWeinel@energyfuels.com; Do not use "*R_" samples as MS/MSD.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2006426-001A	MW-32_06122020	6/12/2020 1140h	6/16/2020 1000h	300.0-W	Aqueous	df - wc		1
				1 SEL Analytes: CL				
2006426-001B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2006426-001C				8260D-W-DEN100		VOCFridge		3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				
2006426-002A	TW4-09_06122020	6/12/2020 0625h	6/16/2020 1000h	300.0-W	Aqueous	df - wc		1
				1 SEL Analytes: CL				
2006426-002B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2006426-002C				8260D-W-DEN100		VOCFridge		3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				
2006426-003A	TW4-30_06122020	6/12/2020 0648h	6/16/2020 1000h	300.0-W	Aqueous	df - wc		1
				1 SEL Analytes: CL				
2006426-003B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2006426-003C				8260D-W-DEN100		VOCFridge		3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				
2006426-004A	TW4-08_06122020	6/12/2020 0658h	6/16/2020 1000h	300.0-W	Aqueous	df - wc		1
				1 SEL Analytes: CL				
2006426-004B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2006426-004C				8260D-W-DEN100		VOCFridge		3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				
2006426-005A	TW4-18_06122020	6/12/2020 0710h	6/16/2020 1000h	300.0-W	Aqueous	df - wc		1
				1 SEL Analytes: CL				
2006426-005B				NO2/NO3-W-353.2		df - no2/no3		
				1 SEL Analytes: NO3NO2N				
2006426-005C				8260D-W-DEN100		VOCFridge		3
				Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4				

WORK ORDER Summary

Work Order: **2006426**

Page 2 of 3

Client: Energy Fuels Resources, Inc.

Due Date: 6/30/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
2006426-006A	TW4-33_06122020	6/12/2020 0724h	6/16/2020 1000h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous		df - wc	1
2006426-006B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>			df - no2/no3	
2006426-006C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>			VOCFridge	3
2006426-007A	TW4-16_06122020	6/12/2020 0735h	6/16/2020 1000h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous		df - wc	1
2006426-007B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>			df - no2/no3	
2006426-007C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>			VOCFridge	3
2006426-008A	TW4-29_06122020	6/12/2020 0746h	6/16/2020 1000h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous		df - wc	1
2006426-008B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>			df - no2/no3	
2006426-008C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>			VOCFridge	3
2006426-009A	TW4-07_06122020	6/12/2020 0800h	6/16/2020 1000h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous		df - wc	1
2006426-009B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>			df - no2/no3	
2006426-009C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>			VOCFridge	3
2006426-010A	TW4-10_06122020	6/12/2020 0812h	6/16/2020 1000h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous		df - wc	1
2006426-010B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>			df - no2/no3	
2006426-010C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>			VOCFridge	3
2006426-011A	TW4-26_06122020	6/12/2020 0823h	6/16/2020 1000h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous		df - wc	1
2006426-011B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>			df - no2/no3	
2006426-011C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>			VOCFridge	3

WORK ORDER Summary

Work Order: **2006426**

Page 3 of 3

Client: Energy Fuels Resources, Inc.

Due Date: 6/30/2020

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel Storage	
2006426-012A	TW4-70_06122020	6/12/2020 0625h	6/16/2020 1000h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous	df - wc	1
2006426-012B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		df - no2/no3	
2006426-012C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>		VOCFridge	3
2006426-013A	TW4-75_06122020	6/12/2020 0800h	6/16/2020 1000h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous	df - wc	1
2006426-013B				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		df - no2/no3	
2006426-013C				8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>		VOCFridge	3
2006426-014A	Trip Blank	6/12/2020 0625h	6/16/2020 1000h	8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>	Aqueous	VOCFridge	3
2006426-015A	Post DI	6/12/2020 0915h	6/16/2020 1000h	8260D-W-DEN100 <i>Test Group: 8260D-W-DEN100; # of Analytes: 4 / # of Surr: 4</i>	Aqueous	VOCFridge	3



American West Analytical Laboratories

463 W. 3600 S. Salt Lake City, UT 84115
 Phone # (801) 263-8686 Toll Free # (888) 263-8686
 Fax # (801) 263-8687 Email awal@awal-labs.com
 www.awal-labs.com

CHAIN OF CUSTODY

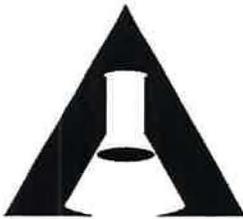
All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

3006426
 AWAL Lab Sample Set #
 Page 1 of 2

Client: **Energy Fuels Resources, Inc.**
 Address: **6425 S. Hwy. 191**
Blanding, UT 84511
 Contact: **Tanner Holliday**
 Phone #: **(435) 678-2221** Cell #: _____
 Email: **kweinel@energyfuels.com; tholliday@energyfuels.com**
 Project Name: **2nd Quarter Chloroform 2020**
 Project #: _____
 PO #: _____
 Sampler Name: **Tanner Holliday**

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								
Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)	Field Filtered For:	Laboratory Use Only	
										For Compliance With:
1 MW-32_06122020	6/12/2020	1140	5	W	X	X	X	X	X Include EDD: LOCUS UPLOAD EXCEL Field Filtered For: For Compliance With: <input type="checkbox"/> NELAP <input type="checkbox"/> RCRA <input type="checkbox"/> CWA <input type="checkbox"/> SDWA <input type="checkbox"/> ELAP / A2LA <input type="checkbox"/> NLLAP <input type="checkbox"/> Non-Compliance <input type="checkbox"/> Other: Known Hazards & Sample Comments	Laboratory Use Only Samples Were: 1 Shipped or hand delivered 2 Ambient or Chilled 3 Temperature 1.4 °C 4 Received Broken/Leaking (Improperly Sealed) 5 Property Preserved 6 Received Within Holding Times
2 TW4-09_06122020	6/12/2020	625	5	W	X	X	X		COC Tape Was: 1 Present on Outer Package 2 Unbroken on Outer Package 3 Present on Sample 4 Unbroken on Sample Discrepancies Between Sample Labels and COC Record?	
3 TW4-30_06122020	6/12/2020	648	5	W	X	X	X			
4 TW4-08_06122020	6/12/2020	658	5	W	X	X	X			
5 TW4-18_06122020	6/12/2020	710	5	W	X	X	X			
6 TW4-33_06122020	6/12/2020	724	5	W	X	X	X			
7 TW4-16_06122020	6/12/2020	735	5	W	X	X	X			
8 TW4-29_06122020	6/12/2020	746	5	W	X	X	X			
9 TW4-07_06122020	6/12/2020	800	5	W	X	X	X			
10 TW4-10_06122020	6/12/2020	812	5	W	X	X	X			
11 TW4-26_06122020	6/12/2020	823	5	W	X	X	X			
12 TW4-70_06122020	6/12/2020	625	5	W	X	X	X			
13 TW4-75_06122020	6/12/2020	800	5	W	X	X	X			

Relinquished by: Signature <i>Tanner Holliday</i>	Date: 6/15/2020	Received by: Signature <i>Elmer Hayward</i>	Date: 6/16/20	Special Instructions: See the Analytical Scope of Work for Reporting Limits and VOC analyte list.
Print Name: Tanner Holliday	Time: 1100	Print Name: Elmer Hayward	Time: 1500	
Relinquished by: Signature	Date:	Received by: Signature	Date:	
Print Name:	Time:	Print Name:	Time:	
Relinquished by: Signature	Date:	Received by: Signature	Date:	
Print Name:	Time:	Print Name:	Time:	
Relinquished by: Signature	Date:	Received by: Signature	Date:	
Print Name:	Time:	Print Name:	Time:	



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.

2006426

AWAL Lab Sample Set #

Page 2 of 2

Client: **Energy Fuels Resources, Inc.**
 Address: **6425 S. Hwy. 191**
Blanding, UT 84511
 Contact: **Tanner Holliday**
 Phone #: **(435) 678-2221** Cell #: _____
 Email: **kweinel@energyfuels.com; tholliday@energyfuels.com**
 Project Name: **2nd Quarter Chloroform 2020**
 Project #: _____
 PO #: _____
 Sampler Name: **Tanner Holliday**

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												
Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)	X Include EDD: LOCUS UPLOAD EXCEL Field Filtered For:	For Compliance With: <input type="checkbox"/> NELAP <input type="checkbox"/> RCRA <input type="checkbox"/> CWA <input type="checkbox"/> SDWA <input type="checkbox"/> ELAP / A2LA <input type="checkbox"/> NLLAP <input type="checkbox"/> Non-Compliance <input type="checkbox"/> Other:	Known Hazards & Sample Comments	Laboratory Use Only			
											1 Shipped or hand delivered	2 Ambient or Chilled	3 Temperature	4 Received Broken/Leaking (Improperly Sealed)
1 TRIP BLANK	6/12/2020	625	3	W			X					1.4 °C	Y	N
2 Post DI	6/12/2020	915	5	W			X						Y	N
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13 TW4-75_06122020														

Relinquished by: Signature <i>Tanner Holliday</i>	Date: 6/15/2020	Received by: Signature <i>Salma Hay</i>	Date: 6/16/20	Special Instructions: See the Analytical Scope of Work for Reporting Limits and VOC analyte list.
Print Name: Tanner Holliday	Time: 1100	Print Name: <i>Salma Hay</i>	Time: 1800	
Relinquished by: Signature	Date:	Received by: Signature <i>Salma Hay</i>	Date: 6/16/20	
Print Name:	Time:	Print Name: <i>Salma Hay</i>	Time: 1800	
Relinquished by: Signature	Date:	Received by: Signature	Date:	

Lab Set ID: 2006426

pH Lot #: 0299

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13					
Ammonia	pH <2 H ₂ SO ₄																		
COD	pH <2 H ₂ SO ₄																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO ₃																		
NO ₂ /NO ₃	pH <2 H ₂ SO ₄	Yes																	
O & G	pH <2 HCL																		
Phenols	pH <2 H ₂ SO ₄																		
Sulfide	pH >9 NaOH, Zn Acetate																		
TKN	pH <2 H ₂ SO ₄																		
T PO ₄	pH <2 H ₂ SO ₄																		
Cr VI+	pH >9 (NH ₄) ₂ SO 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 Evaluatio

Location	1x Casing Volume	Volume Pumped	2x Casing Volume	Volume Check	Conductivity		RPD	pH		RPD	Temperature		RPD	Redox		RPD	Turbidity		RPD	Dissolved Oxygen		RPD
MW-04	NA	Continuously Pumped well	--	--	1877		NC	7.35		NC	15.70		NC	338		NC	0		NC	40.3		NC
TW4-01	NA	Continuously Pumped well	--	--	2306		NC	7.38		NC	17.80		NC	370		NC	0		NC	71.0		NC
TW4-02	NA	Continuously Pumped well	--	--	3728		NC	7.26		NC	16.80		NC	327		NC	0		NC	80.0		NC
TW4-03	50.18	69.66	100.36	Pumped Dry	1817	1820	0.16	6.00	6.05	0.83	14.98	15.00	0.13	NM		NC	NM		NC	NM		NC
TW4-04	NA	Continuously Pumped well	--	--	2369		NC	7.43		NC	17.29		NC	343		NC	0		NC	103.0		NC
TW4-05	33.28	88.00	66.56	okay	1537	1526	0.72	6.66	6.66	0.00	15.60	15.59	0.06	396	397	0.25	1.9	1.9	0.00	63.4	63.0	0.63
TW4-06	14.01	14.66	28.02	Pumped Dry	3936	3940	0.10	6.61	6.63	0.30	12.25	12.30	0.41	NM		NC	NM		NC	NM		NC
TW4-07	25.53	49.50	51.06	Pumped Dry	1669	1667	0.12	7.22	7.21	0.14	15.13	15.10	0.20	NM		NC	NM		NC	NM		NC
TW4-08	26.18	55.00	52.36	okay	4946	4943	0.06	6.69	6.67	0.30	15.19	15.18	0.07	416	416	0.00	0	0	0.00	25.0	25.0	0.00
TW4-09	33.38	88.00	66.76	okay	2483	2479	0.16	6.73	6.72	0.15	15.15	15.14	0.07	357	356	0.28	26.0	27.0	3.77	10.0	9.8	2.02
TW4-10	29.24	38.50	58.48	Pumped Dry	2424	2427	0.12	6.95	6.95	0.00	15.55	15.50	0.32	NM		NC	NM		NC	NM		NC
TW4-11	NA	Continuously Pumped well	--	--	3721		NC	7.27		NC	16.01		NC	282		NC	0		NC	65.0		NC
TW4-12	31.59	38.50	63.18	Pumped Dry	1397	1398	0.07	7.23	7.22	0.14	15.12	15.10	0.13	NM		NC	NM		NC	NM		NC
TW4-13	32.29	40.33	64.58	Pumped Dry	2020	2010	0.50	7.04	7.02	0.28	16.03	16.00	0.19	NM		NC	NM		NC	NM		NC
TW4-14	11.35	13.75	22.7	Pumped Dry	5316	5313	0.06	6.50	6.53	0.46	13.82	13.80	0.14	NM		NC	NM		NC	NM		NC
MW-26	NA	Continuously Pumped well	--	--	3440		NC	7.19		NC	16.01		NC	304		NC	0		NC	20.5		NC
TW4-16	48.87	110.00	97.74	okay	3683	3709	0.70	6.44	6.44	0.00	15.04	15.03	0.07	410	395	3.73	6.5	6.4	1.55	19.0	18.5	2.67
MW-32	32.22	65.10	64.44	okay	3735	3729	0.16	6.68	6.66	0.30	15.28	15.06	1.45	230	227	1.31	104.5	106.0	1.43	40.0	39.0	2.53
TW4-18	42.30	99.00	84.6	okay	1930	1890	2.09	6.23	6.23	0.00	15.65	15.65	0.00	430	430	0.00	16.2	16.1	0.62	20.1	21.0	4.38
TW4-19	NA	Continuously Pumped well	--	--	2501		NC	6.51		NC	16.36		NC	391		NC	2.0		NC	30.0		NC
TW4-20	NA	Continuously Pumped well	--	--	3769		NC	6.90		NC	17.20		NC	318		NC	4.0		NC	24.6		NC
TW4-21	NA	Continuously Pumped well	--	--	2982		NC	7.01		NC	16.75		NC	286		NC	0		NC	33.5		NC
TW4-22	NA	Continuously Pumped well	--	--	5326		NC	7.24		NC	16.48		NC	348		NC	0		NC	90.3		NC
TW4-23	27.19	88.00	54.38	okay	3516	3515	0.03	6.61	6.61	0.00	14.81	14.82	0.07	252	252	0.00	71.0	70.2	1.13	31.0	30.0	3.28
TW4-24	NA	Continuously Pumped well	--	--	7951		NC	7.08		NC	16.00		NC	347		NC	25.0		NC	19.4		NC
TW4-25	NA	Continuously Pumped well	--	--	2514		NC	7.12		NC	16.05		NC	311		NC	0		NC	42.0		NC
TW4-26	9.71	11.00	19.42	Pumped Dry	4665	4670	0.11	6.88	6.89	0.15	15.37	15.35	0.13	NM		NC	NM		NC	NM		NC
TW4-27	10.92	11.00	21.84	Pumped Dry	5028	5027	0.02	6.90	6.91	0.14	12.10	12.15	0.41	NM		NC	NM		NC	NM		NC
TW4-28	39.42	47.66	78.84	Pumped Dry	1598	1597	0.06	7.07	7.07	0.00	14.40	14.38	0.14	NM		NC	NM		NC	NM		NC
TW4-29	10.97	11.00	21.94	Pumped Dry	4040	4042	0.05	7.15	7.14	0.14	15.73	15.70	0.19	NM		NC	NM		NC	NM		NC
TW4-30	11.96	14.66	23.92	Pumped Dry	4047	4050	0.07	5.63	5.65	0.35	15.93	15.90	0.19	NM		NC	NM		NC	NM		NC
TW4-31	20.17	22.00	40.34	Pumped Dry	4001	4003	0.05	7.00	7.00	0.00	13.52	13.55	0.22	NM		NC	NM		NC	NM		NC
TW4-32	38.54	88.00	77.08	okay	6407	6391	0.25	4.28	4.28	0.00	14.98	15.00	0.13	479	480	0.21	10.0	11.0	9.52	31.0	32.0	3.17
TW4-33	5.94	5.5	11.88	Pumped Dry	4417	4428	0.25	6.77	6.80	0.44	15.77	15.73	0.25	NM		NC	NM		NC	NM		NC
TW4-34	12.97	16.50	25.94	Pumped Dry	3462	3465	0.09	7.17	7.17	0.00	13.66	13.61	0.37	NM		NC	NM		NC	NM		NC
TW4-35	7.42	7.33	14.84	Pumped Dry	4331	4340	0.21	6.94	6.93	0.14	12.20	12.31	0.90	NM		NC	NM		NC	NM		NC
TW4-36	27.20	33.00	54.4	Pumped Dry	2404	2407	0.12	6.87	6.87	0.00	13.59	13.60	0.07	NM		NC	NM		NC	NM		NC
TW4-37	NA	Continuously Pumped well	--	--	4452		NC	7.25		NC	16.80		NC	347		NC	0		NC	61.3		NC
TW4-38	35.91	77.00	71.82	okay	1804	1820	0.88	6.67	6.68	0.15	14.95	14.90	0.34	347	347	0.00	20.0	19.0	5.13	56.1	56.0	0.18
TW4-39	NA	Continuously Pumped well	--	--	2280		NC	7.04		NC	16.40		NC	279		NC	0		NC	55.0		NC
TW4-40	NA	Continuously Pumped well	--	--	3977		NC	7.33		NC	17.20		NC	319		NC	0		NC	79.5		NC
TW4-41	NA	Continuously Pumped well	--	--	2617		NC	7.46		NC	18.01		NC	382		NC	0		NC	95.1		NC
TW4-42	11.48	13.75	22.96	Pumped Dry	3449	3451	0.06	6.97	6.98	0.14	14.89	14.88	0.07	NM		NC	NM		NC	NM		NC

MW-04, MW-26, TW4-01, TW4-02, TW4-04, TW4-11, TW4-19, TW4-20, TW4-21, TW4-22, TW4-24, TW4-25, TW4-37, TW4-39, TW4-40, TW4-41 are continually pumped 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, TW4-36, TW4-42 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	5/27/2020	6/2/2020	6	14	OK
Trip Blank	Chloroform	5/27/2020	6/2/2020	6	14	OK
Trip Blank	Chloromethane	5/27/2020	6/2/2020	6	14	OK
Trip Blank	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
Trip Blank	Chloroform	6/3/2020	6/8/2020	5	14	OK
Trip Blank	Methylene chloride	6/3/2020	6/8/2020	5	14	OK
Trip Blank	Carbon tetrachloride	6/9/2020	6/12/2020	3	14	OK
Trip Blank	Chloroform	6/9/2020	6/12/2020	3	14	OK
Trip Blank	Chloromethane	6/9/2020	6/12/2020	3	14	OK
Trip Blank	Methylene chloride	6/9/2020	6/12/2020	3	14	OK
Trip Blank	Carbon tetrachloride	6/12/2020	6/17/2020	5	14	OK
Trip Blank	Chloroform	6/12/2020	6/17/2020	5	14	OK
Trip Blank	Chloromethane	6/12/2020	6/17/2020	5	14	OK
Trip Blank	Methylene chloride	6/12/2020	6/17/2020	5	14	OK
MW-04	Chloride	5/27/2020	6/9/2020	13	28	OK
MW-04	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
MW-04	Chloroform	5/27/2020	6/3/2020	7	14	OK
MW-04	Chloromethane	5/27/2020	6/2/2020	6	14	OK
MW-04	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
MW-04	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-01	Chloride	5/27/2020	6/9/2020	13	28	OK
TW4-01	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
TW4-01	Chloroform	5/27/2020	6/2/2020	6	14	OK
TW4-01	Chloromethane	5/27/2020	6/2/2020	6	14	OK
TW4-01	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
TW4-01	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-02	Chloride	5/27/2020	6/9/2020	13	28	OK
TW4-02	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
TW4-02	Chloroform	5/27/2020	6/3/2020	7	14	OK
TW4-02	Chloromethane	5/27/2020	6/2/2020	6	14	OK
TW4-02	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
TW4-02	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-03	Chloride	6/10/2020	6/22/2020	12	28	OK
TW4-03	Carbon tetrachloride	6/10/2020	6/12/2020	2	14	OK
TW4-03	Chloroform	6/10/2020	6/12/2020	2	14	OK
TW4-03	Chloromethane	6/10/2020	6/12/2020	2	14	OK
TW4-03	Methylene chloride	6/10/2020	6/12/2020	2	14	OK
TW4-03	Nitrate/Nitrite (as N)	6/10/2020	6/15/2020	5	28	OK
TW4-03R	Chloride	6/9/2020	6/22/2020	13	28	OK
TW4-03R	Carbon tetrachloride	6/9/2020	6/12/2020	3	14	OK
TW4-03R	Chloroform	6/9/2020	6/12/2020	3	14	OK
TW4-03R	Chloromethane	6/9/2020	6/12/2020	3	14	OK
TW4-03R	Methylene chloride	6/9/2020	6/12/2020	3	14	OK
TW4-03	Nitrate/Nitrite (as N)	6/9/2020	6/15/2020	6	28	OK
TW4-04	Chloride	5/27/2020	6/9/2020	13	28	OK
TW4-04	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
TW4-04	Chloroform	5/27/2020	6/2/2020	6	14	OK
TW4-04	Chloromethane	5/27/2020	6/2/2020	6	14	OK
TW4-04	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
TW4-04	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-05	Chloride	6/11/2020	6/22/2020	11	28	OK
TW4-05	Carbon tetrachloride	6/11/2020	6/13/2020	2	14	OK
TW4-05	Chloroform	6/11/2020	6/13/2020	2	14	OK

I-2: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-05	Chloromethane	6/11/2020	6/13/2020	2	14	OK
TW4-05	Methylene chloride	6/11/2020	6/13/2020	2	14	OK
TW4-05	Nitrate/Nitrite (as N)	6/11/2020	6/15/2020	4	28	OK
TW4-06	Chloride	6/11/2020	6/22/2020	11	28	OK
TW4-06	Carbon tetrachloride	6/11/2020	6/13/2020	2	14	OK
TW4-06	Chloroform	6/11/2020	6/13/2020	2	14	OK
TW4-06	Chloromethane	6/11/2020	6/13/2020	2	14	OK
TW4-06	Methylene chloride	6/11/2020	6/13/2020	2	14	OK
TW4-06	Nitrate/Nitrite (as N)	6/11/2020	6/15/2020	4	28	OK
TW4-07	Chloride	6/12/2020	6/24/2020	12	28	OK
TW4-07	Carbon tetrachloride	6/12/2020	6/17/2020	5	14	OK
TW4-07	Chloroform	6/12/2020	6/17/2020	5	14	OK
TW4-07	Chloromethane	6/12/2020	6/17/2020	5	14	OK
TW4-07	Methylene chloride	6/12/2020	6/17/2020	5	14	OK
TW4-07	Nitrate/Nitrite (as N)	6/12/2020	6/16/2020	4	28	OK
TW4-08	Chloride	6/12/2020	6/24/2020	12	28	OK
TW4-08	Carbon tetrachloride	6/12/2020	6/17/2020	5	14	OK
TW4-08	Chloroform	6/12/2020	6/17/2020	5	14	OK
TW4-08	Chloromethane	6/12/2020	6/17/2020	5	14	OK
TW4-08	Methylene chloride	6/12/2020	6/17/2020	5	14	OK
TW4-08	Nitrate/Nitrite (as N)	6/12/2020	6/16/2020	4	28	OK
TW4-09	Chloride	6/12/2020	6/23/2020	11	28	OK
TW4-09	Carbon tetrachloride	6/12/2020	6/16/2020	4	14	OK
TW4-09	Chloroform	6/12/2020	6/16/2020	4	14	OK
TW4-09	Chloromethane	6/12/2020	6/16/2020	4	14	OK
TW4-09	Methylene chloride	6/12/2020	6/16/2020	4	14	OK
TW4-09	Nitrate/Nitrite (as N)	6/12/2020	6/16/2020	4	28	OK
TW4-09R	Chloride	6/11/2020	6/22/2020	11	28	OK
TW4-09R	Carbon tetrachloride	6/11/2020	6/12/2020	1	14	OK
TW4-09R	Chloroform	6/11/2020	6/12/2020	1	14	OK
TW4-09R	Chloromethane	6/11/2020	6/12/2020	1	14	OK
TW4-09R	Methylene chloride	6/11/2020	6/12/2020	1	14	OK
TW4-09R	Nitrate/Nitrite (as N)	6/11/2020	6/15/2020	4	28	OK
TW4-10	Chloride	6/12/2020	6/24/2020	12	28	OK
TW4-10	Carbon tetrachloride	6/12/2020	6/17/2020	5	14	OK
TW4-10	Chloroform	6/12/2020	6/17/2020	5	14	OK
TW4-10	Chloromethane	6/12/2020	6/17/2020	5	14	OK
TW4-10	Methylene chloride	6/12/2020	6/17/2020	5	14	OK
TW4-10	Nitrate/Nitrite (as N)	6/12/2020	6/16/2020	4	28	OK
TW4-11	Chloride	5/27/2020	6/9/2020	13	28	OK
TW4-11	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
TW4-11	Chloroform	5/27/2020	6/3/2020	7	14	OK
TW4-11	Chloromethane	5/27/2020	6/2/2020	6	14	OK
TW4-11	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
TW4-11	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-12	Chloride	6/10/2020	6/22/2020	12	28	OK
TW4-12	Carbon tetrachloride	6/10/2020	6/12/2020	2	14	OK
TW4-12	Chloroform	6/10/2020	6/12/2020	2	14	OK
TW4-12	Chloromethane	6/10/2020	6/12/2020	2	14	OK
TW4-12	Methylene chloride	6/10/2020	6/12/2020	2	14	OK
TW4-12	Nitrate/Nitrite (as N)	6/10/2020	6/15/2020	5	28	OK
TW4-13	Chloride	6/11/2020	6/22/2020	11	28	OK
TW4-13	Carbon tetrachloride	6/11/2020	6/12/2020	1	14	OK

I-2: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-13	Chloroform	6/11/2020	6/12/2020	1	14	OK
TW4-13	Chloromethane	6/11/2020	6/12/2020	1	14	OK
TW4-13	Methylene chloride	6/11/2020	6/12/2020	1	14	OK
TW4-13	Nitrate/Nitrite (as N)	6/11/2020	6/15/2020	4	28	OK
TW4-14	Chloride	6/11/2020	6/22/2020	11	28	OK
TW4-14	Carbon tetrachloride	6/11/2020	6/13/2020	2	14	OK
TW4-14	Chloroform	6/11/2020	6/13/2020	2	14	OK
TW4-14	Chloromethane	6/11/2020	6/13/2020	2	14	OK
TW4-14	Methylene chloride	6/11/2020	6/13/2020	2	14	OK
TW4-14	Nitrate/Nitrite (as N)	6/11/2020	6/15/2020	4	28	OK
MW-26	Chloride	5/27/2020	6/9/2020	13	28	OK
MW-26	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
MW-26	Chloroform	5/27/2020	6/2/2020	6	14	OK
MW-26	Chloromethane	5/27/2020	6/2/2020	6	14	OK
MW-26	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
MW-26	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-16	Chloride	6/12/2020	6/24/2020	12	28	OK
TW4-16	Carbon tetrachloride	6/12/2020	6/17/2020	5	14	OK
TW4-16	Chloroform	6/12/2020	6/17/2020	5	14	OK
TW4-16	Chloromethane	6/12/2020	6/17/2020	5	14	OK
TW4-16	Methylene chloride	6/12/2020	6/17/2020	5	14	OK
TW4-16	Nitrate/Nitrite (as N)	6/12/2020	6/16/2020	4	28	OK
MW-32	Chloride	6/12/2020	6/23/2020	11	28	OK
MW-32	Carbon tetrachloride	6/12/2020	6/16/2020	4	14	OK
MW-32	Chloroform	6/12/2020	6/16/2020	4	14	OK
MW-32	Chloromethane	6/12/2020	6/16/2020	4	14	OK
MW-32	Methylene chloride	6/12/2020	6/16/2020	4	14	OK
MW-32	Nitrate/Nitrite (as N)	6/12/2020	6/16/2020	4	28	OK
TW4-18	Chloride	6/12/2020	6/24/2020	12	28	OK
TW4-18	Carbon tetrachloride	6/12/2020	6/17/2020	5	14	OK
TW4-18	Chloroform	6/12/2020	6/17/2020	5	14	OK
TW4-18	Chloromethane	6/12/2020	6/17/2020	5	14	OK
TW4-18	Methylene chloride	6/12/2020	6/17/2020	5	14	OK
TW4-18	Nitrate/Nitrite (as N)	6/12/2020	6/16/2020	4	28	OK
TW4-19	Chloride	5/27/2020	6/9/2020	13	28	OK
TW4-19	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
TW4-19	Chloroform	5/27/2020	6/3/2020	7	14	OK
TW4-19	Chloromethane	5/27/2020	6/2/2020	6	14	OK
TW4-19	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
TW4-19	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-20	Chloride	5/27/2020	6/9/2020	13	28	OK
TW4-20	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
TW4-20	Chloroform	5/27/2020	6/3/2020	7	14	OK
TW4-20	Chloromethane	5/27/2020	6/2/2020	6	14	OK
TW4-20	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
TW4-20	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-21	Chloride	5/27/2020	6/9/2020	13	28	OK
TW4-21	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
TW4-21	Chloroform	5/27/2020	6/2/2020	6	14	OK
TW4-21	Chloromethane	5/27/2020	6/2/2020	6	14	OK
TW4-21	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
TW4-21	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-22	Chloride	5/27/2020	6/9/2020	13	28	OK

I-2: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-22	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
TW4-22	Chloroform	5/27/2020	6/3/2020	7	14	OK
TW4-22	Chloromethane	5/27/2020	6/2/2020	6	14	OK
TW4-22	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
TW4-22	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-23	Chloride	6/11/2020	6/22/2020	11	28	OK
TW4-23	Carbon tetrachloride	6/11/2020	6/13/2020	2	14	OK
TW4-23	Chloroform	6/11/2020	6/13/2020	2	14	OK
TW4-23	Chloromethane	6/11/2020	6/13/2020	2	14	OK
TW4-23	Methylene chloride	6/11/2020	6/13/2020	2	14	OK
TW4-23	Nitrate/Nitrite (as N)	6/11/2020	6/15/2020	4	28	OK
TW4-24	Chloride	5/27/2020	6/9/2020	13	28	OK
TW4-24	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
TW4-24	Chloroform	5/27/2020	6/2/2020	6	14	OK
TW4-24	Chloromethane	5/27/2020	6/2/2020	6	14	OK
TW4-24	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
TW4-24	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-25	Chloride	5/27/2020	6/9/2020	13	28	OK
TW4-25	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
TW4-25	Chloroform	5/27/2020	6/2/2020	6	14	OK
TW4-25	Chloromethane	5/27/2020	6/2/2020	6	14	OK
TW4-25	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
TW4-25	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-26	Chloride	6/12/2020	6/24/2020	12	28	OK
TW4-26	Carbon tetrachloride	6/12/2020	6/17/2020	5	14	OK
TW4-26	Chloroform	6/12/2020	6/17/2020	5	14	OK
TW4-26	Chloromethane	6/12/2020	6/17/2020	5	14	OK
TW4-26	Methylene chloride	6/12/2020	6/17/2020	5	14	OK
TW4-26	Nitrate/Nitrite (as N)	6/12/2020	6/16/2020	4	28	OK
TW4-27	Chloride	6/11/2020	6/22/2020	11	28	OK
TW4-27	Carbon tetrachloride	6/11/2020	6/13/2020	2	14	OK
TW4-27	Chloroform	6/11/2020	6/13/2020	2	14	OK
TW4-27	Chloromethane	6/11/2020	6/13/2020	2	14	OK
TW4-27	Methylene chloride	6/11/2020	6/13/2020	2	14	OK
TW4-27	Nitrate/Nitrite (as N)	6/11/2020	6/15/2020	4	28	OK
TW4-28	Chloride	6/10/2020	6/22/2020	12	28	OK
TW4-28	Carbon tetrachloride	6/10/2020	6/12/2020	2	14	OK
TW4-28	Chloroform	6/10/2020	6/12/2020	2	14	OK
TW4-28	Chloromethane	6/10/2020	6/12/2020	2	14	OK
TW4-28	Methylene chloride	6/10/2020	6/12/2020	2	14	OK
TW4-28	Nitrate/Nitrite (as N)	6/10/2020	6/15/2020	5	28	OK
TW4-29	Chloride	6/12/2020	6/24/2020	12	28	OK
TW4-29	Carbon tetrachloride	6/12/2020	6/17/2020	5	14	OK
TW4-29	Chloroform	6/12/2020	6/17/2020	5	14	OK
TW4-29	Chloromethane	6/12/2020	6/17/2020	5	14	OK
TW4-29	Methylene chloride	6/12/2020	6/17/2020	5	14	OK
TW4-29	Nitrate/Nitrite (as N)	6/12/2020	6/16/2020	4	28	OK
TW4-30	Chloride	6/12/2020	6/24/2020	12	28	OK
TW4-30	Carbon tetrachloride	6/12/2020	6/17/2020	5	14	OK
TW4-30	Chloroform	6/12/2020	6/17/2020	5	14	OK
TW4-30	Chloromethane	6/12/2020	6/17/2020	5	14	OK
TW4-30	Methylene chloride	6/12/2020	6/17/2020	5	14	OK
TW4-30	Nitrate/Nitrite (as N)	6/12/2020	6/16/2020	4	28	OK

I-2: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-31	Chloride	6/11/2020	6/22/2020	11	28	OK
TW4-31	Carbon tetrachloride	6/11/2020	6/13/2020	2	14	OK
TW4-31	Chloroform	6/11/2020	6/13/2020	2	14	OK
TW4-31	Chloromethane	6/11/2020	6/13/2020	2	14	OK
TW4-31	Methylene chloride	6/11/2020	6/13/2020	2	14	OK
TW4-31	Nitrate/Nitrite (as N)	6/11/2020	6/15/2020	4	28	OK
TW4-32	Chloride	6/10/2020	6/22/2020	12	28	OK
TW4-32	Carbon tetrachloride	6/10/2020	6/12/2020	2	14	OK
TW4-32	Chloroform	6/10/2020	6/12/2020	2	14	OK
TW4-32	Chloromethane	6/10/2020	6/12/2020	2	14	OK
TW4-32	Methylene chloride	6/10/2020	6/12/2020	2	14	OK
TW4-32	Nitrate/Nitrite (as N)	6/10/2020	6/15/2020	5	28	OK
TW4-33	Chloride	6/12/2020	6/24/2020	12	28	OK
TW4-33	Carbon tetrachloride	6/12/2020	6/17/2020	5	14	OK
TW4-33	Chloroform	6/12/2020	6/17/2020	5	14	OK
TW4-33	Chloromethane	6/12/2020	6/17/2020	5	14	OK
TW4-33	Methylene chloride	6/12/2020	6/17/2020	5	14	OK
TW4-33	Nitrate/Nitrite (as N)	6/12/2020	6/16/2020	4	28	OK
TW4-34	Chloride	6/11/2020	6/22/2020	11	28	OK
TW4-34	Carbon tetrachloride	6/11/2020	6/13/2020	2	14	OK
TW4-34	Chloroform	6/11/2020	6/13/2020	2	14	OK
TW4-34	Chloromethane	6/11/2020	6/13/2020	2	14	OK
TW4-34	Methylene chloride	6/11/2020	6/13/2020	2	14	OK
TW4-34	Nitrate/Nitrite (as N)	6/11/2020	6/15/2020	4	28	OK
TW4-35	Chloride	6/11/2020	6/22/2020	11	28	OK
TW4-35	Carbon tetrachloride	6/11/2020	6/13/2020	2	14	OK
TW4-35	Chloroform	6/11/2020	6/13/2020	2	14	OK
TW4-35	Chloromethane	6/11/2020	6/13/2020	2	14	OK
TW4-35	Methylene chloride	6/11/2020	6/13/2020	2	14	OK
TW4-35	Nitrate/Nitrite (as N)	6/11/2020	6/15/2020	4	28	OK
TW4-36	Chloride	6/11/2020	6/22/2020	11	28	OK
TW4-36	Carbon tetrachloride	6/11/2020	6/13/2020	2	14	OK
TW4-36	Chloroform	6/11/2020	6/13/2020	2	14	OK
TW4-36	Chloromethane	6/11/2020	6/13/2020	2	14	OK
TW4-36	Methylene chloride	6/11/2020	6/13/2020	2	14	OK
TW4-36	Nitrate/Nitrite (as N)	6/11/2020	6/15/2020	4	28	OK
TW4-37	Chloride	5/27/2020	6/9/2020	13	28	OK
TW4-37	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
TW4-37	Chloroform	5/27/2020	6/3/2020	7	14	OK
TW4-37	Chloromethane	5/27/2020	6/2/2020	6	14	OK
TW4-37	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
TW4-37	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-38	Chloride	6/11/2020	6/22/2020	11	28	OK
TW4-38	Carbon tetrachloride	6/11/2020	6/13/2020	2	14	OK
TW4-38	Chloroform	6/11/2020	6/13/2020	2	14	OK
TW4-38	Chloromethane	6/11/2020	6/13/2020	2	14	OK
TW4-38	Methylene chloride	6/11/2020	6/13/2020	2	14	OK
TW4-38	Nitrate/Nitrite (as N)	6/11/2020	6/15/2020	4	28	OK
TW4-39	Chloride	5/27/2020	6/9/2020	13	28	OK
TW4-39	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
TW4-39	Chloroform	5/27/2020	6/2/2020	6	14	OK
TW4-39	Chloromethane	5/27/2020	6/2/2020	6	14	OK
TW4-39	Methylene chloride	5/27/2020	6/2/2020	6	14	OK

I-2: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-39	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-40	Chloride	5/27/2020	6/9/2020	13	28	OK
TW4-40	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
TW4-40	Chloroform	5/27/2020	6/2/2020	6	14	OK
TW4-40	Chloromethane	5/27/2020	6/2/2020	6	14	OK
TW4-40	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
TW4-40	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-41	Chloride	5/27/2020	6/9/2020	13	28	OK
TW4-41	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
TW4-41	Chloroform	5/27/2020	6/2/2020	6	14	OK
TW4-41	Chloromethane	5/27/2020	6/2/2020	6	14	OK
TW4-41	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
TW4-41	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-42	Chloride	6/10/2020	6/22/2020	12	28	OK
TW4-42	Carbon tetrachloride	6/10/2020	6/12/2020	2	14	OK
TW4-42	Chloroform	6/10/2020	6/12/2020	2	14	OK
TW4-42	Chloromethane	6/10/2020	6/12/2020	2	14	OK
TW4-42	Methylene chloride	6/10/2020	6/12/2020	2	14	OK
TW4-42	Nitrate/Nitrite (as N)	6/10/2020	6/15/2020	5	28	OK
TW4-60	Chloride	5/27/2020	6/9/2020	13	28	OK
TW4-60	Carbon tetrachloride	5/27/2020	6/2/2020	6	14	OK
TW4-60	Chloroform	5/27/2020	6/2/2020	6	14	OK
TW4-60	Chloromethane	5/27/2020	6/2/2020	6	14	OK
TW4-60	Methylene chloride	5/27/2020	6/2/2020	6	14	OK
TW4-60	Nitrate/Nitrite (as N)	5/27/2020	6/1/2020	5	28	OK
TW4-65	Chloride	6/10/2020	6/22/2020	12	28	OK
TW4-65	Carbon tetrachloride	6/10/2020	6/12/2020	2	14	OK
TW4-65	Chloroform	6/10/2020	6/12/2020	2	14	OK
TW4-65	Chloromethane	6/10/2020	6/12/2020	2	14	OK
TW4-65	Methylene chloride	6/10/2020	6/12/2020	2	14	OK
TW4-65	Nitrate/Nitrite (as N)	6/10/2020	6/15/2020	5	28	OK
TW4-70	Chloride	6/12/2020	6/24/2020	12	28	OK
TW4-70	Carbon tetrachloride	6/12/2020	6/17/2020	5	14	OK
TW4-70	Chloroform	6/12/2020	6/17/2020	5	14	OK
TW4-70	Chloromethane	6/12/2020	6/17/2020	5	14	OK
TW4-70	Methylene chloride	6/12/2020	6/17/2020	5	14	OK
TW4-70	Nitrate/Nitrite (as N)	6/12/2020	6/16/2020	4	28	OK
TW4-75	Chloride	6/12/2020	6/24/2020	12	28	OK
TW4-75	Carbon tetrachloride	6/12/2020	6/17/2020	5	14	OK
TW4-75	Chloroform	6/12/2020	6/17/2020	5	14	OK
TW4-75	Chloromethane	6/12/2020	6/17/2020	5	14	OK
TW4-75	Methylene chloride	6/12/2020	6/17/2020	5	14	OK
TW4-75	Nitrate/Nitrite (as N)	6/12/2020	6/16/2020	4	28	OK

Table I-3 Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
2005695	MW-04, TW4-01, TW4-02, TW4-04, TW4-11, MW-26, TW4-19, TW4-20, TW4-21, TW4-22, TW4-24, TW4-25, TW4-37, TW4-39, TW4-40, TW4-41, TW4-60, Trip Blank	1.0°C
2006384	TW4-03, TW4-03R, TW4-05, TW4-06, TW4-09R, TW4-12, TW4-13, TW4-14, TW4-23, TW4-27, TW4-28, TW4-31, TW4-32, TW4-34, TW4-35, TW4-36, TW4-38, TW4-42, TW4-65, Trip Blank	1.4°C
2006426	TW4-07, TW4-08, TW4-09, TW4-10, TW4-16, MW-32, TW4-18, TW4-26, TW4-29, TW4-30, TW4-33, TW4-70, TW4-75, Trip Blank	1.4°C

I-4 Analytical Method Check

Parameter	Method	Method Used by Lab
Carbon Tetrachloride	SW8260B, SW8260C or SW8260D	SW8260D
Chloride	A4500-Cl B or A4500-Cl E or E300.0	E300.0
Chloroform	SW8260B, SW8260C or SW8260D	SW8260D
Chloromethane	SW8260B, SW8260C or SW8260D	SW8260D
Methylene chloride	SW8260B, SW8260C or SW8260D	SW8260D
Nitrogen	E353.1 or E353.2	E353.2

All parameters were analyzed using the reporting method specified 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	Chloroform	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
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	1	mg/L		5	1	OK
MW-04	Carbon tetrachloride	1	ug/L	U	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)	0.1	mg/L		5	0.1	OK
TW4-01	Chloride	1	mg/L		5	1	OK
TW4-01	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-01	Chloroform	10	ug/L		10	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)	0.1	mg/L		1	0.1	OK
TW4-02	Chloride	1	mg/L		5	1	OK
TW4-02	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-02	Chloroform	20	ug/L		20	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)	0.1	mg/L		5	0.1	OK
TW4-03	Chloride	1	mg/L		5	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)	0.1	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		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	1	mg/L		5	1	OK
TW4-04	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-04	Chloroform	20	ug/L		20	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)	0.1	mg/L		10	0.1	OK
TW4-05	Chloride	1	mg/L		5	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

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
TW4-05	Methylene chloride	1	ug/L	U	1	1	OK
TW4-05	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
TW4-06	Chloride	1	mg/L		5	1	OK
TW4-06	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-06	Chloroform	1	ug/L		1	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)	0.1	mg/L		1	0.1	OK
TW4-07	Chloride	1	mg/L		5	1	OK
TW4-07	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-07	Chloroform	10	ug/L		10	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)	0.1	mg/L		5	0.1	OK
TW4-08	Chloride	1	mg/L		5	1	OK
TW4-08	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-08	Chloroform	1	ug/L		1	1	OK
TW4-08	Chloromethane	1	ug/L	U	1	1	OK
TW4-08	Methylene chloride	1	ug/L	U	1	1	OK
TW4-08	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
TW4-09	Chloride	1	mg/L		5	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)	0.1	mg/L		1	0.1	OK
TW4-09R	Chloride	1	mg/L	U	1	1	OK
TW4-09R	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-09R	Chloroform	1	ug/L		1	1	OK
TW4-09R	Chloromethane	1	ug/L	U	1	1	OK
TW4-09R	Methylene chloride	1	ug/L	U	1	1	OK
TW4-09R	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
TW4-10	Chloride	1	mg/L		10	1	OK
TW4-10	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-10	Chloroform	10	ug/L		10	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)	0.1	mg/L		10	0.1	OK
TW4-11	Chloride	1	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)	0.1	mg/L		5	0.1	OK
TW4-12	Chloride	1	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)	0.1	mg/L		10	0.1	OK
TW4-13	Chloride	1	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

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
TW4-13	Methylene chloride	1	ug/L	U	1	1	OK
TW4-13	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
TW4-14	Chloride	1	mg/L		5	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)	0.1	mg/L		10	0.1	OK
MW-26	Chloride	1	mg/L		10	1	OK
MW-26	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-26	Chloroform	50	ug/L		50	1	OK
MW-26	Chloromethane	1	ug/L	U	1	1	OK
MW-26	Methylene chloride	1	ug/L		1	1	OK
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		2	0.1	OK
TW4-16	Chloride	1	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)	0.1	mg/L		5	0.1	OK
MW-32	Chloride	1	mg/L		5	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	1	mg/L		5	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)	0.1	mg/L		5	0.1	OK
TW4-19	Chloride	5	mg/L		50	1	OK
TW4-19	Carbon tetrachloride	1	ug/L		1	1	OK
TW4-19	Chloroform	100	ug/L		100	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)	0.1	mg/L		2	0.1	OK
TW4-20	Chloride	5	mg/L		50	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)	0.1	mg/L		10	0.1	OK
TW4-21	Chloride	5	mg/L		50	1	OK
TW4-21	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-21	Chloroform	20	ug/L		20	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)	0.2	mg/L		20	0.1	OK
TW4-22	Chloride	5	mg/L		50	1	OK
TW4-22	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-22	Chloroform	50	ug/L		50	1	OK
TW4-22	Chloromethane	1	ug/L	U	1	1	OK

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
TW4-22	Methylene chloride	1	ug/L	U	1	1	OK
TW4-22	Nitrate/Nitrite (as N)	0.5	mg/L		50	0.1	OK
TW4-23	Chloride	1	mg/L		5	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	10	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)	0.5	mg/L		50	0.1	OK
TW4-25	Chloride	2	mg/L		20	1	OK
TW4-25	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-25	Chloroform	1	ug/L	U	1	1	OK
TW4-25	Chloromethane	1	ug/L	U	1	1	OK
TW4-25	Methylene chloride	1	ug/L	U	1	1	OK
TW4-25	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
TW4-26	Chloride	1	mg/L		5	1	OK
TW4-26	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-26	Chloroform	10	ug/L		10	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)	0.1	mg/L		10	0.1	OK
TW4-27	Chloride	1	mg/L		5	1	OK
TW4-27	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-27	Chloroform	1	ug/L		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)	0.5	mg/L		50	0.1	OK
TW4-28	Chloride	1	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)	0.1	mg/L		10	0.1	OK
TW4-29	Chloride	1	mg/L		5	1	OK
TW4-29	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-29	Chloroform	10	ug/L		10	1	OK
TW4-29	Chloromethane	1	ug/L	U	1	1	OK
TW4-29	Methylene chloride	1	ug/L	U	1	1	OK
TW4-29	Nitrate/Nitrite (as N)	0.1	mg/L		2	0.1	OK
TW4-30	Chloride	1	mg/L		5	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)	0.1	mg/L		5	0.1	OK
TW4-31	Chloride	1	mg/L		5	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

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
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	1	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)	0.1	mg/L		5	0.1	OK
TW4-33	Chloride	1	mg/L		5	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		2	0.1	OK
TW4-34	Chloride	1	mg/L		5	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	1	mg/L		5	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	1	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
TW4-37	Chloride	5	mg/L		50	1	OK
TW4-37	Carbon tetrachloride	1	ug/L		1	1	OK
TW4-37	Chloroform	100	ug/L		100	1	OK
TW4-37	Chloromethane	1	ug/L		1	1	OK
TW4-37	Methylene chloride	1	ug/L	U	1	1	OK
TW4-37	Nitrate/Nitrite (as N)	0.2	mg/L		20	0.1	OK
TW4-38	Chloride	1	mg/L		5	1	OK
TW4-38	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-38	Chloroform	1	ug/L	U	1	1	OK
TW4-38	Chloromethane	1	ug/L	U	1	1	OK
TW4-38	Methylene chloride	1	ug/L	U	1	1	OK
TW4-38	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
TW4-39	Chloride	1	mg/L		10	1	OK
TW4-39	Carbon tetrachloride	1	ug/L		1	1	OK
TW4-39	Chloroform	100	ug/L		100	1	OK
TW4-39	Chloromethane	1	ug/L	U	1	1	OK
TW4-39	Methylene chloride	1	ug/L	U	1	1	OK
TW4-39	Nitrate/Nitrite (as N)	0.1	mg/L		5	0.1	OK
TW4-40	Chloride	1	mg/L		5	1	OK
TW4-40	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-40	Chloroform	10	ug/L		10	1	OK
TW4-40	Chloromethane	1	ug/L	U	1	1	OK

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
TW4-40	Methylene chloride	1	ug/L	U	1	1	OK
TW4-40	Nitrate/Nitrite (as N)	0.1	mg/L		5	0.1	OK
TW4-41	Chloride	1	mg/L		5	1	OK
TW4-41	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-41	Chloroform	20	ug/L		20	1	OK
TW4-41	Chloromethane	1	ug/L	U	1	1	OK
TW4-41	Methylene chloride	1	ug/L	U	1	1	OK
TW4-41	Nitrate/Nitrite (as N)	0.1	mg/L		5	0.1	OK
TW4-42	Chloride	1	mg/L		5	1	OK
TW4-42	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-42	Chloroform	1	ug/L	U	1	1	OK
TW4-42	Chloromethane	1	ug/L	U	1	1	OK
TW4-42	Methylene chloride	1	ug/L	U	1	1	OK
TW4-42	Nitrate/Nitrite (as N)	0.1	mg/L		5	0.1	OK
TW4-60	Chloride	1	mg/L	U	1	1	OK
TW4-60	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-60	Chloroform	1	ug/L	U	1	1	OK
TW4-60	Chloromethane	1	ug/L	U	1	1	OK
TW4-60	Methylene chloride	1	ug/L	U	1	1	OK
TW4-60	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
TW4-65	Chloride	1	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)	0.1	mg/L		10	0.1	OK
TW4-70	Chloride	1	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)	0.1	mg/L		10	0.1	OK
TW4-75	Chloride	1	mg/L		10	1	OK
TW4-75	Carbon tetrachloride	1	ug/L	U	1	1	OK
TW4-75	Chloroform	10	ug/L		10	1	OK
TW4-75	Chloromethane	1	ug/L	U	1	1	OK
TW4-75	Methylene chloride	1	ug/L	U	1	1	OK
TW4-75	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK

I-6 Trip Blank Evaluation

Lab Report	Constituent	Result
2005695	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L
2006384	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L
2006426	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L

I-7 QA/QC Evaluation for Sample Duplicates

Constituent	TW4-03	TW4-65	%RPD
Chloride (mg/L)	26.2	26.7	1.9
Nitrate + Nitrite (as N)	6.53	6.63	1.5
Carbon Tetrachloride	ND	ND	NC
Chloroform	ND	ND	NC
Chloromethane	ND	ND	NC
Dichloromethane (Methylene Chloride)	ND	ND	NC

Constituent	TW4-09	TW4-70	%RPD
Chloride (mg/L)	39.5	39.6	0.3
Nitrate + Nitrite (as N)	0.990	1.01	2.0
Carbon Tetrachloride	ND	ND	NC
Chloroform	55.1	56.4	2.3
Chloromethane	ND	ND	NC
Dichloromethane (Methylene Chloride)	ND	ND	NC

Constituent	TW4-07	TW4-75	%RPD
Chloride (mg/L)	44.1	43.1	2.3
Nitrate + Nitrite (as N)	4.06	4.19	3.2
Carbon Tetrachloride	ND	ND	NC
Chloroform	864	871	0.8
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 (MB) for the quarter were nondetect.

Matrix Spike % Recoveries

Lab Report	Lab Sample ID	Well	Analyte	MS %REC	MSD %REC	% REC Range	RPD	RPD Range
2006426	2006426-003	TW4-30	Chloroform	127	126	79-124	0.25	35

Laboratory Control Sample

All LCS recoveries for the quarter were within acceptance limits.

Surrogate % Recovery

All Surrogate recoveries were within acceptance limits for the quarter.

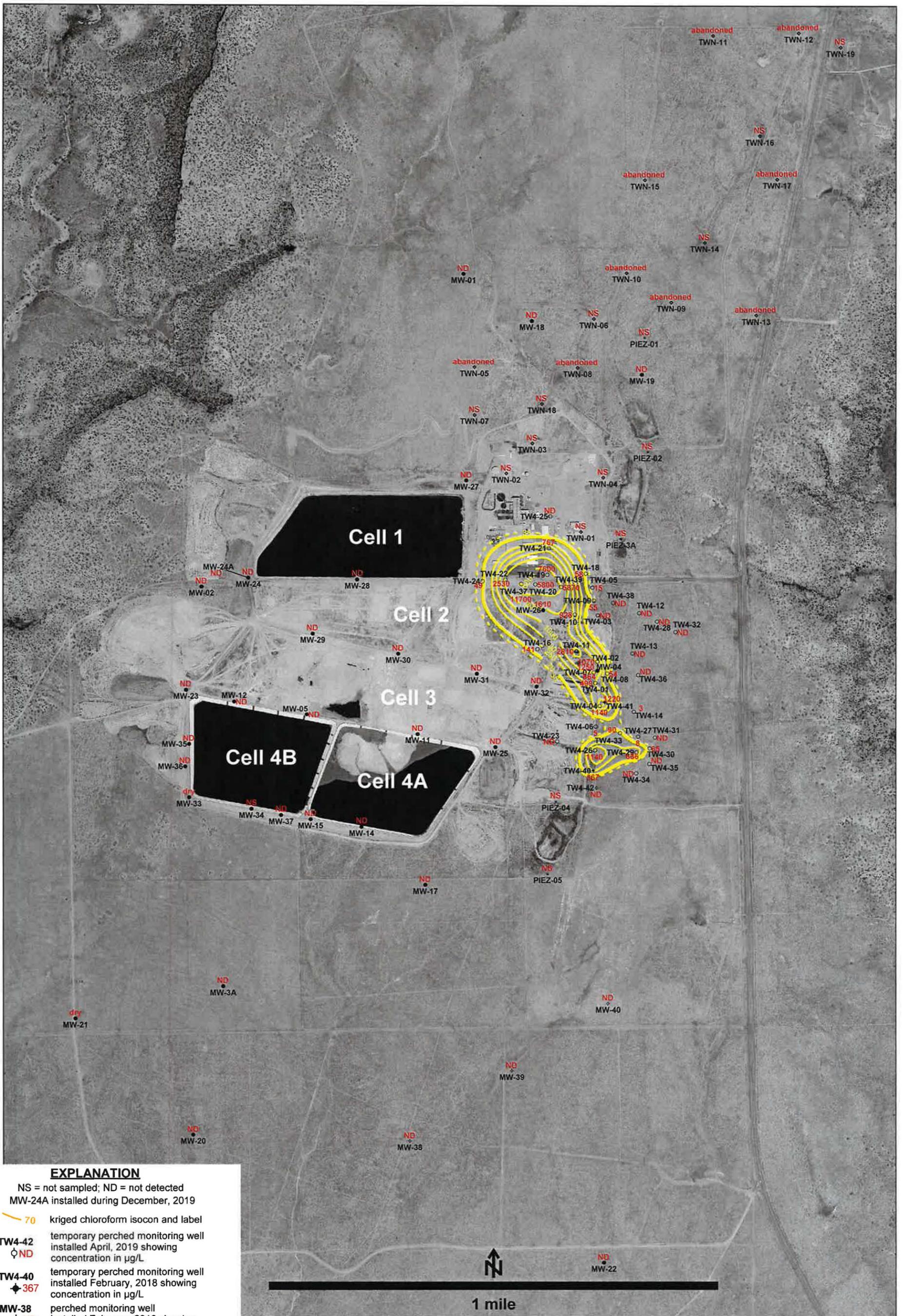
I-9 Rinsate Evaluation

Rinsate Sample	Parameter	Rinsate Result (ug/L)	Previous Well Sampled
TW4-03R	Chloroform	3.05	NA
TW4-09R	Chloroform	1.98	TW4-05 (15.4)

NA = This rinsate sample was collected prior to the first use of the pump.

Tab J

Kriged Current Quarter Chloroform Isoconcentration Map



EXPLANATION

NS = not sampled; ND = not detected
 MW-24A installed during December, 2019

- 70 kriged chloroform isocon and label
- ◇ ND TW4-42 temporary perched monitoring well installed April, 2019 showing concentration in µg/L
- ◆ 367 TW4-40 temporary perched monitoring well installed February, 2018 showing concentration in µg/L
- ◇ ND MW-38 perched monitoring well installed February, 2018 showing concentration in µg/L
- ND MW-32 perched monitoring well showing concentration in µg/L
- 864 TW4-7 temporary perched monitoring well showing concentration in µg/L
- ◇ NS TWN-1 temporary perched nitrate monitoring well (not sampled)
- NS PIEZ-1 perched piezometer (not sampled)

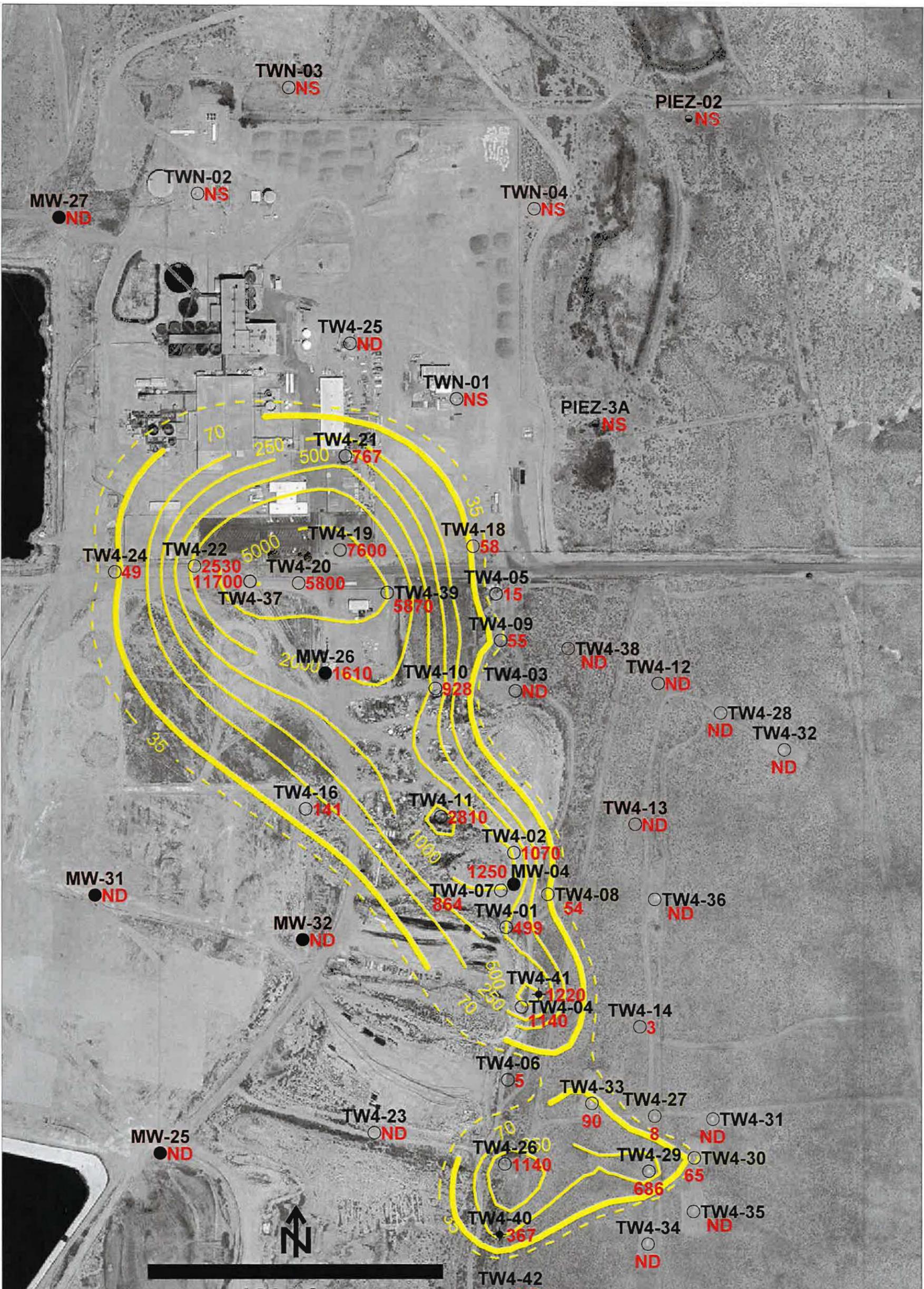
NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 are chloroform pumping wells; TW4-22, TW4-24, TW4-25 and TWN-2 are nitrate pumping wells



**HYDRO
 GEO
 CHEM, INC.**

**KRIGED 2nd QUARTER, 2020 CHLOROFORM (µg/L)
 WHITE MESA SITE**

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/aug20/chloroform/Uchl0620.srf	J-1



EXPLANATION

NS = not sampled; ND = not detected

- 70 kriged chloroform isocon and label
- TW4-42 temporary perched monitoring well installed April, 2019 showing concentration in µg/L
- ◆ TW4-40 temporary perched monitoring well installed February, 2018 showing concentration in µg/L
- MW-32 perched monitoring well showing concentration (µg/L)
- TW4-7 temporary perched monitoring well showing concentration (µg/L)
- PIEZ-2 perched piezometer (not sampled)

1000 feet

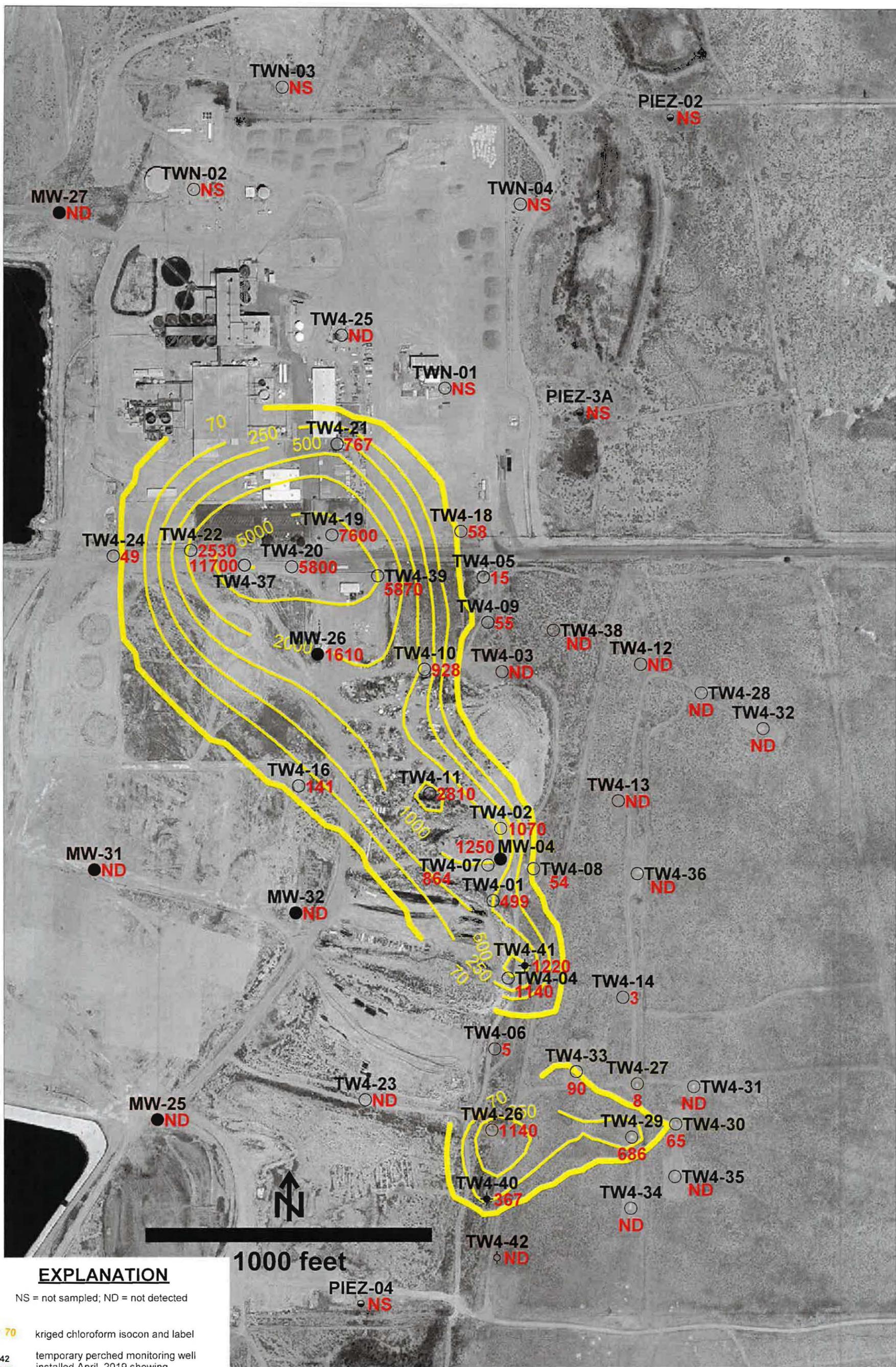
NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 are chloroform pumping wells; TW4-22, TW4-24, TW4-25 and TWN-2 are nitrate pumping wells



HYDRO
GEO
CHEM, INC.

**KRIGED 2nd QUARTER, 2020 CHLOROFORM (µg/L)
WHITE MESA SITE
(detail map)**

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/aug20/ chloroform/Uchl0620det.srf	J-2



EXPLANATION

NS = not sampled; ND = not detected

- 70 kriged chloroform isocon and label
- TW4-42 temporary perched monitoring well installed April, 2019 showing concentration in µg/L
- TW4-40 temporary perched monitoring well installed February, 2018 showing concentration in µg/L
- MW-32 perched monitoring well showing concentration (µg/L)
- TW4-7 temporary perched monitoring well showing concentration (µg/L)
- PIEZ-2 perched piezometer (not sampled)

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 are chloroform pumping wells; TW4-22, TW4-24, TW4-25 and TWN-2 are nitrate pumping wells



HYDRO
GEO
CHEM, INC.

**1st QUARTER, 2020 CHLOROFORM
GREATER THAN OR EQUAL TO 70 µg/L GRID
WHITE MESA SITE**

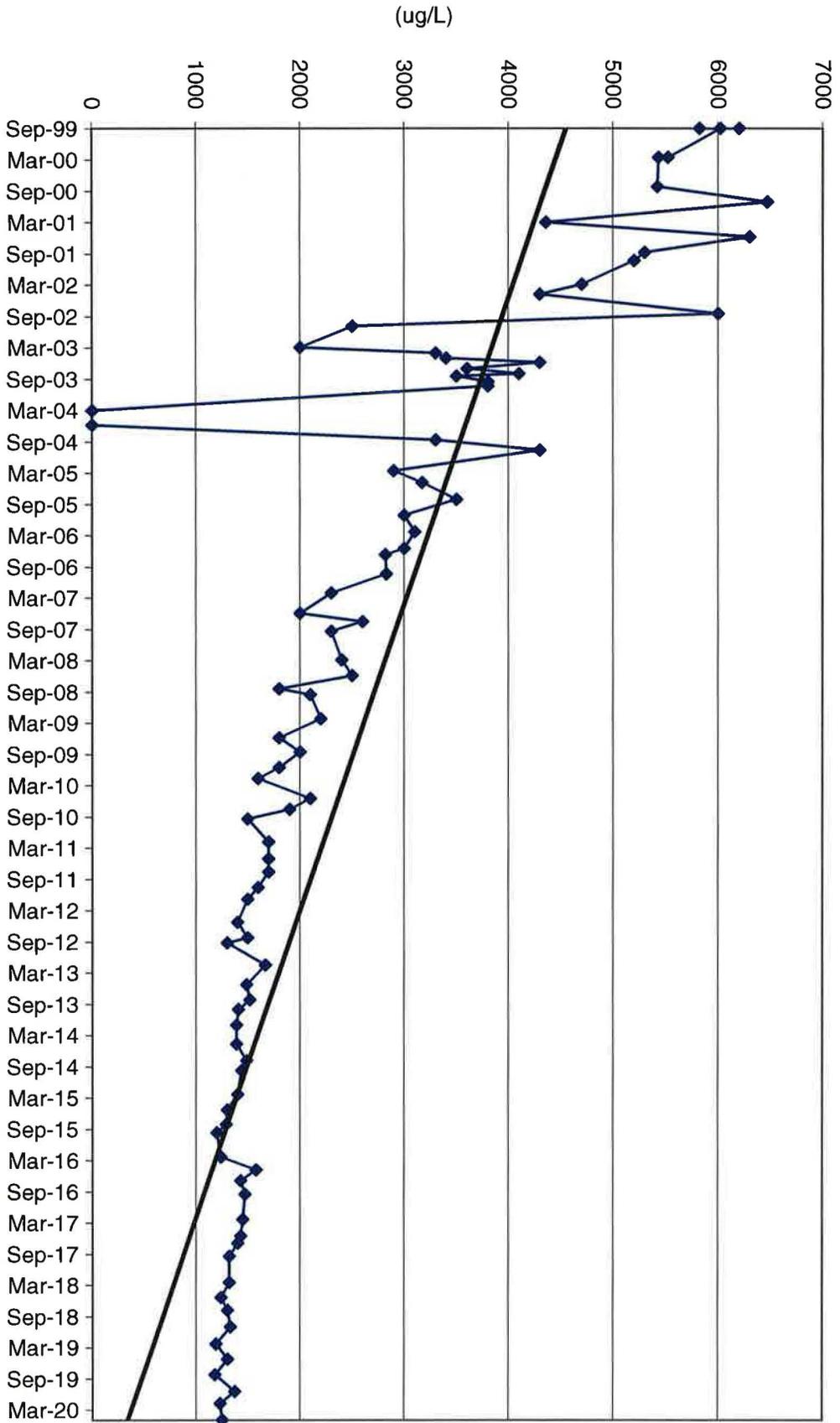
APPROVED	DATE	REFERENCE	H:/718000/aug20/ chloroform/Uchl0620ge70.srf	FIGURE	J-3
----------	------	-----------	---	--------	-----

Tab K

Analyte Concentration Data and Chloroform Concentration Trend Graphs 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

MW-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
14-Dec-09	1800	1.6	ND	ND	5.8	44
17-Feb-10	1600	1.2	ND	ND	4	45
14-Jun-10	2100	1.2	ND	ND	5.1	41
16-Aug-10	1900	1.5	ND	ND	4.8	38
11-Oct-10	1500	1.4	ND	ND	4.9	41
23-Feb-11	1700	1.5	ND	ND	4.6	40
1-Jun-11	1700	1.4	ND	ND	4.9	35
17-Aug-11	1700	1.1	ND	ND	4.9	41
16-Nov-11	1600	1.3	ND	ND	5.1	40
23-Jan-12	1500	1	ND	ND	4.8	41
6-Jun-12	1400	1.2	ND	ND	4.9	39
4-Sep-12	1500	1.5	ND	ND	5	41
4-Oct-12	1300	1	ND	ND	4.8	42
11-Feb-13	1670	1.49	ND	ND	4.78	37.8
5-Jun-13	1490	1.31	ND	ND	4.22	44
3-Sep-13	1520	1.13	ND	ND	4.89	41.4
29-Oct-13	1410	5.58	ND	ND	5.25	40.1
27-Jan-14	1390	4.15	ND	ND	4.7	38.5
19-May-14	1390	5.21	ND	ND	4.08	39.9
24-Aug-14	1490	ND	7.6	ND	3.7	41
21-Oct-14	1440	ND	ND	ND	5.07	41.5
9-Mar-15	1400	1.26	ND	ND	5.75	40.7
8-Jun-15	1300	ND	ND	ND	2.53	43.1
31-Aug-15	1290	ND	ND	ND	4.79	44.3
19-Oct-15	1200	ND	ND	ND	4.43	40.8
9-Mar-16	1240	ND	ND	ND	5.15	42.2
23-May-16	1580	1.44	ND	ND	4.54	43.7
25-Jul-16	1430	ND	ND	ND	4.95	42.5
12-Oct-16	1470	1.24	ND	ND	4.88	44.8
8-Mar-17	1450	1.22	ND	ND	4.99	43.3
13-Jun-17	1430	1.15	ND	ND	4.88	44.0
26-Jul-17	1400	1.15	ND	ND	4.59	43.8
11-Oct-17	1320	ND	ND	ND	5.25	43.8
12-Mar-18	1320	1.07	ND	ND	4.47	46.2
8-Jun-18	1240	ND	ND	ND	4.64	43.5
22-Aug-18	1300	ND	ND	ND	4.55	48.5
28-Nov-18	1330	ND	ND	ND	4.44	43.1
8-Mar-19	1190	ND	ND	ND	5.05	41.5
5-Jun-19	1300	ND	ND	ND	5.16	40.6
4-Sep-19	1180	ND	ND	ND	4.69	41.9
11-Dec-19	1370	ND	ND	ND	4.34	45.5
19-Feb-20	1230	ND	ND	ND	6.22	48.1
27-May-20	1250	ND	ND	ND	5.04	40.7



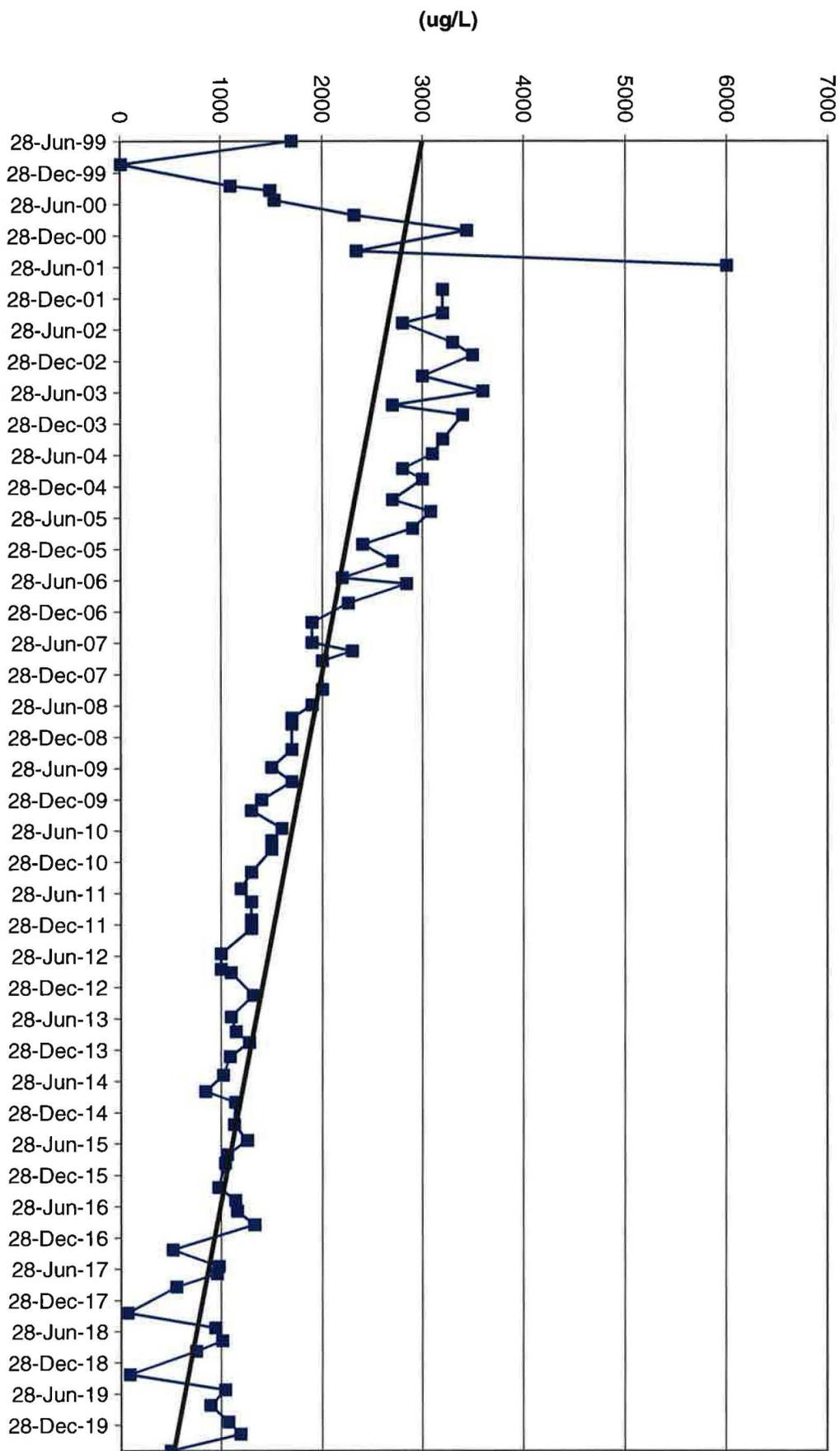
MW4-Chloroform Values

TW4-1	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
28-Jun-99	1700				7.2	
10-Nov-99	5.8					
15-Mar-00	1100					
10-Apr-00	1490					
6-Jun-00	1530					
2-Sep-00	2320				5.58	
30-Nov-00	3440				7.79	
29-Mar-01	2340				7.15	
22-Jun-01	6000				8.81	
20-Sep-01					12.8	
8-Nov-01	3200				12.4	
26-Mar-02	3200				13.1	
22-May-02	2800				12.7	
12-Sep-02	3300				12.8	
24-Nov-02	3500				13.6	
28-Mar-03	3000				12.4	
23-Jun-03	3600				12.5	
12-Sep-03	2700				12.5	
8-Nov-03	3400				11.8	
29-Mar-04	3200				11	
22-Jun-04	3100				8.78	
17-Sep-04	2800				10.8	
17-Nov-04	3000				11.1	
16-Mar-05	2700				9.1	
25-May-05	3080	NA	NA	NA	10.6	NA
31-Aug-05	2900	<10	<10	<10	9.8	NA
1-Dec-05	2400	<50	<50	<50	9.7	NA
9-Mar-06	2700	<50	<50	<50	9.4	49
14-Jun-06	2200	<50	<50	<50	9.8	48
20-Jul-06	2840	<50	<50	<50	9.7	51
8-Nov-06	2260	1.4	<1	<1	9.4	47
28-Feb-07	1900	1.2	<1	<1	8.9	47
27-Jun-07	1900	1.4	<1	<1	9	45
15-Aug-07	2300	1.3	<1	<1	8.4	43
10-Oct-07	2000	1.3	<1	<1	7.8	43
26-Mar-08	2000	1.3	<1	<1	7.6	39
25-Jun-08	1900	1.1	<1	<1	8.68	39
10-Sep-08	1700	1.3	<1	<1	8.15	35
15-Oct-08	1700	1.3	<1	<1	9.3	41

TW4-1	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
11-Mar-09	1700	1.1	<1	<1	7.5	37
24-Jun-09	1500	1	<1	<1	6.9	37
15-Sep-09	1700	<1	<1	<1	7.3	36
29-Dec-09	1400	<1	<1	<1	6.8	41
3-Mar-10	1300	<1	<1	<1	7.1	35
15-Jun-10	1600	1.2	<1	<1	6.8	40
24-Aug-10	1500	<1	<1	<1	6.8	35
14-Oct-10	1500	<1	<1	<1	6.6	40
24-Feb-11	1300	ND	ND	ND	6.6	41
1-Jun-11	1200	ND	ND	ND	7	35
18-Aug-11	1300	ND	ND	ND	6.8	36
29-Nov-11	1300	ND	ND	ND	6.6	37
19-Jan-12	1300	ND	ND	ND	6.8	38
14-Jun-12	1000	ND	ND	ND	7.1	42
13-Sep-12	1000	ND	ND	ND	5	39
4-Oct-12	1100	ND	ND	ND	6.5	40
13-Feb-13	1320	3.66	ND	ND	6.99	37.6
19-Jun-13	1100	ND	ND	ND	6.87	39.1
12-Sep-13	1150	ND	ND	ND	7.12	37.6
14-Nov-13	1280	ND	ND	ND	7.08	36.5
5-Feb-14	1090	5.47	ND	ND	7.74	38.9
23-May-14	1020	4.77	ND	ND	6.93	37.4
27-Aug-14	845	ND	1.4	ND	4.8	38
29-Oct-14	1140	ND	ND	ND	6.31	38.7
9-Mar-15	1130	ND	ND	ND	7.06	38.3
8-Jun-15	1260	ND	ND	ND	6.07	40.3
31-Aug-15	1060	ND	ND	ND	6.28	45.9
19-Oct-15	1040	ND	ND	ND	1.55	38.5
9-Mar-16	974	ND	ND	ND	0.148	41.7
23-May-16	1140	ND	ND	ND	0.138	44.4
25-Jul-16	1160	ND	ND	ND	5.49	44.7
13-Oct-16	1330	ND	ND	ND	0.746	44.2
8-Mar-17	519	ND	ND	ND	4.44	41.5
13-Jun-17	977	ND	ND	ND	5.74	41.8
26-Jul-17	958	ND	ND	ND	5.04	42.8
11-Oct-17	556	ND	ND	ND	5.78	38.5
12-Mar-18	70.4	ND	ND	ND	4.84	45.8
8-Jun-18	942	ND	ND	ND	4.38	42.0
22-Aug-18	1010	ND	ND	ND	4.30	47.3

TW4-1	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
22-Oct-18	752	ND	ND	ND	4.57	43.2
8-Mar-19	87.2	ND	ND	ND	4.51	40.9
5-Jun-19	1040	ND	ND	ND	1.43	44.8
4-Sep-19	894	ND	ND	ND	1.65	46.0
10-Dec-19	1070	ND	ND	ND	3.91	44.2
19-Feb-20	1190	ND	ND	ND	4.67	47.5
27-May-20	499	ND	ND	ND	0.443	46.4

TW4-1 Chloroform Values

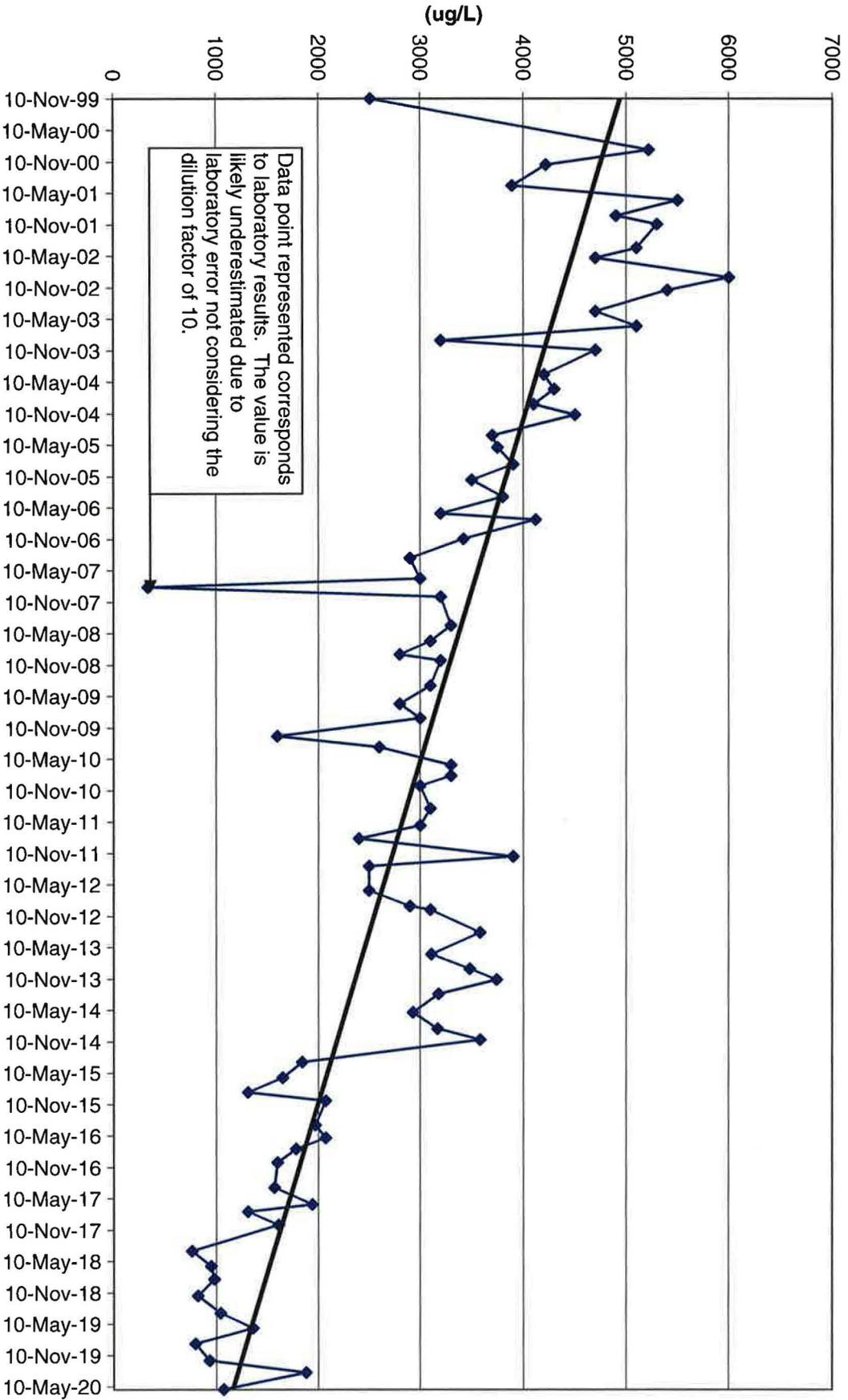


TW4-2	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
10-Nov-99	2510					
2-Sep-00	5220					
28-Nov-00	4220				10.7	
29-Mar-01	3890				10.2	
22-Jun-01	5500				9.67	
20-Sep-01	4900				11.4	
8-Nov-01	5300				10.1	
26-Mar-02	5100				9.98	
23-May-02	4700				9.78	
12-Sep-02	6000				9.44	
24-Nov-02	5400				10.4	
28-Mar-03	4700				9.5	
23-Jun-03	5100				9.6	
12-Sep-03	3200				8.6	
8-Nov-03	4700				9.7	
29-Mar-04	4200				9.14	
22-Jun-04	4300				8.22	
17-Sep-04	4100				8.4	
17-Nov-04	4500				8.6	
16-Mar-05	3700				7.7	
25-May-05	3750				8.6	
31-Aug-05	3900	<10	<10	<10	8	NA
1-Dec-05	3500	<50	<50	<50	7.8	NA
9-Mar-06	3800	<50	<50	<50	7.5	56
14-Jun-06	3200	<50	<50	<50	7.1	56
20-Jul-06	4120	<50	<50	<50	7.4	54
8-Nov-06	3420	2.3	<1	<1	7.6	55
28-Feb-07	2900	1.8	<1	<1	7.3	54
27-Jun-07	3000	2.5	<1	<1	7.8	50
15-Aug-07	340	2.2	<1	<1	7.3	49
10-Oct-07	3200	2.1	<1	<1	6.9	51
26-Mar-08	3300	2.3	<1	<1	6.9	48
25-Jun-08	3100	2.2	<1	<1	7.44	46
10-Sep-08	2800	2.4	<1	<1	7.1	42
15-Oct-08	3200	2.4	<2	<2	7.99	47
11-Mar-09	3100	2.2	<1	<1	6.5	46
24-Jun-09	2800	2	<1	<1	6.4	44
15-Sep-09	3000	2	<1	<1	6.6	43
29-Dec-09	1600	2	<1	<1	6.4	46

TW4-2	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
3-Mar-10	2600	2	<1	<1	6.8	42
15-Jun-10	3300	2.6	<1	<1	6.7	43
16-Aug-10	3300	2.5	<1	<1	6.6	43
14-Oct-10	3000	2.1	<1	<1	6.5	41
24-Feb-11	3100	2.4	ND	ND	7	46
2-Jun-11	3000	2.2	ND	ND	6.8	42
17-Aug-11	2400	1.6	ND	ND	6	48
29-Nov-11	3900	2.8	ND	ND	7	49
24-Jan-12	2500	2	ND	ND	7.1	49
14-Jun-12	2500	2.1	ND	ND	7.7	52
13-Sep-12	2900	1.8	ND	ND	4	76
4-Oct-12	3100	2	ND	ND	7.6	49
13-Feb-13	3580	5.17	ND	ND	8.1	46
19-Jun-13	3110	2.65	ND	ND	7.51	46.9
12-Sep-13	3480	2.41	ND	ND	9.3	44.9
14-Nov-13	3740	3.15	ND	ND	8.39	43.9
6-Feb-14	3180	7.1	ND	ND	7.87	45.9
23-May-14	2930	6.05	ND	ND	9.11	45.4
27-Aug-14	3170	1.4	3.6	ND	6.2	45
30-Oct-14	3580	2.6	ND	ND	8.45	45.5
9-Mar-15	1840	1.44	ND	ND	5.32	44.9
8-Jun-15	1650	ND	ND	ND	4.3	48.1
31-Aug-15	1310	ND	ND	ND	3.76	50.0
19-Oct-15	2070	ND	ND	ND	5.18	41.9
9-Mar-16	1970	1.20	ND	ND	5.30	43.4
23-May-16	2070	1.49	ND	ND	5.67	43.8
25-Jul-16	1780	ND	ND	ND	4.07	42.9
12-Oct-16	1600	ND	ND	ND	6.07	44.3
8-Mar-17	1570	ND	ND	ND	4.74	43.1
13-Jun-17	1940	ND	ND	ND	4.90	43.6
26-Jul-17	1310	ND	ND	ND	5.08	43.2
11-Oct-17	1610	ND	ND	ND	3.28	43.5
12-Mar-18	764	ND	ND	ND	2.94	44.4
8-Jun-18	949	ND	ND	ND	3.50	41.3
22-Aug-18	980	ND	ND	ND	4.83	44.3
28-Nov-18	822	ND	ND	ND	3.52	41.7
8-Mar-19	1040	ND	ND	ND	3.92	40.4
5-Jun-19	1360	ND	ND	ND	4.38	39.8
4-Sep-19	797	ND	ND	ND	4.79	40.8

TW4-2	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
10-Dec-19	934	ND	ND	ND	3.40	41.5
19-Feb-20	1880	ND	ND	ND	6.07	42.1
27-May-20	1070	ND	ND	ND	3.62	40.6

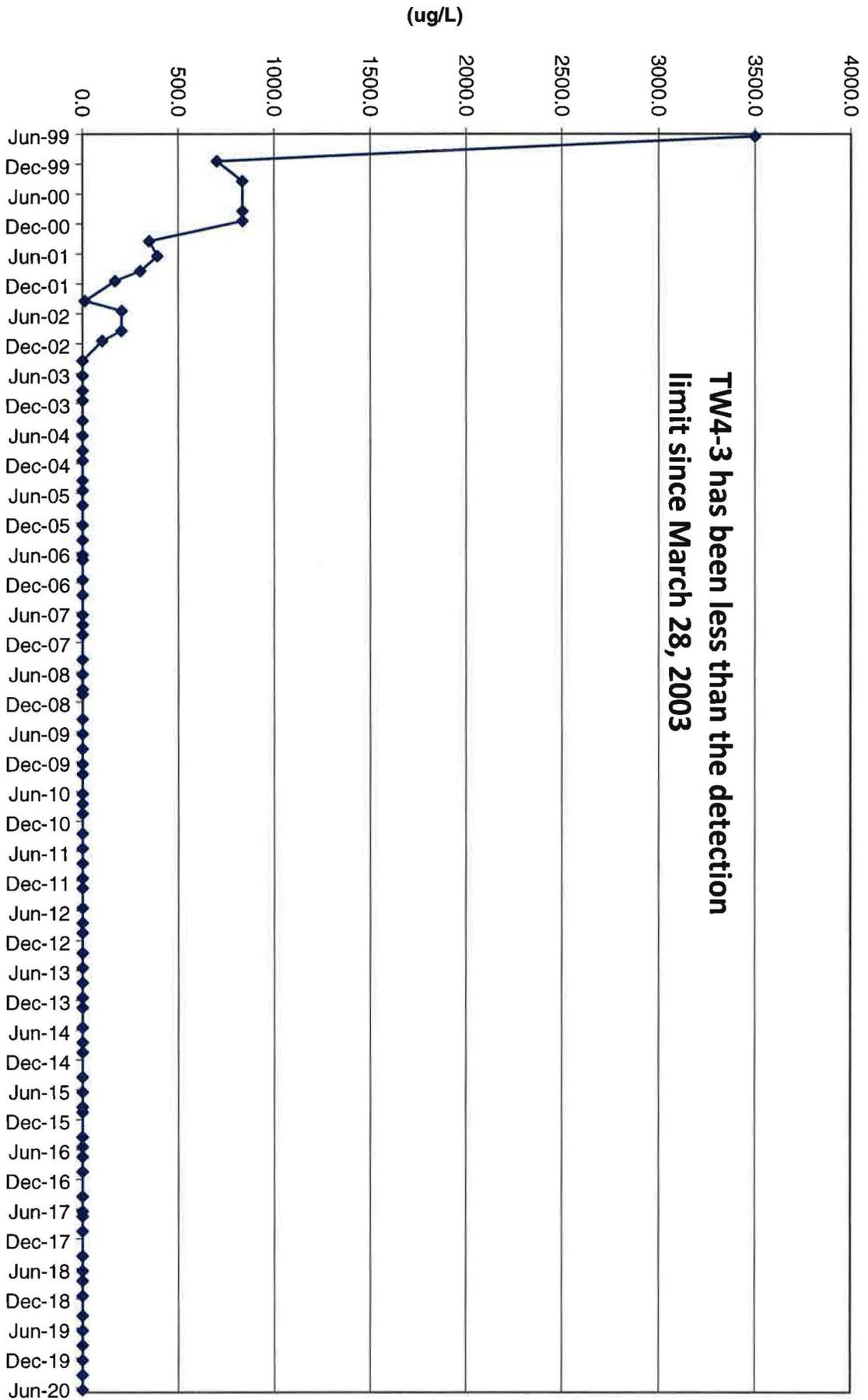
TW4-2 Chloroform Values



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

TW4-3	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
8-Jun-10	<1	<1	<1	<1	3	24
10-Aug-10	<1	<1	<1	<1	3.1	22
5-Oct-10	<1	<1	<1	<1	3.3	26
15-Feb-11	ND	ND	ND	ND	3.5	23
25-May-11	ND	ND	ND	ND	3.7	23
16-Aug-11	ND	ND	ND	ND	4	23
15-Nov-11	ND	ND	ND	ND	4.4	23
17-Jan-12	ND	ND	ND	ND	4.3	21
31-May-12	ND	ND	ND	ND	4.4	24
29-Aug-12	ND	ND	ND	ND	4.9	25
3-Oct-12	ND	ND	ND	ND	4.8	25
7-Feb-13	ND	ND	ND	ND	5.05	23.7
29-May-13	ND	ND	ND	ND	5.83	23.8
29-Aug-13	ND	ND	ND	ND	6.26	24.0
6-Nov-13	ND	ND	ND	ND	5.89	24.1
22-Jan-14	ND	ND	ND	ND	6.66	24.9
19-May-14	ND	ND	ND	ND	6.01	24.4
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
10-Jun-15	ND	ND	ND	ND	5.71	27.5
2-Sep-15	ND	ND	ND	ND	3.88	27.4
21-Oct-15	ND	ND	ND	ND	5.37	25.6
15-Mar-16	ND	ND	ND	ND	5.83	32.8
25-May-16	ND	ND	ND	ND	5.65	27.9
27-Jul-16	ND	ND	ND	ND	6.10	26.5
19-Oct-16	ND	ND	ND	ND	6.00	29.5
14-Mar-17	ND	ND	ND	ND	6.18	28.1
14-Jun-17	ND	ND	ND	ND	6.36	28.7
27-Jul-17	ND	ND	ND	ND	6.36	28.5
10-Oct-17	ND	ND	ND	ND	6.32	25.9
14-Mar-18	ND	ND	ND	ND	6.46	29.8
12-Jun-18	ND	ND	ND	ND	6.52	26.1
29-Aug-18	ND	ND	ND	ND	5.53	31.0
30-Nov-18	ND	ND	ND	ND	5.85	27.4
13-Mar-19	ND	ND	ND	ND	5.82	25.5
13-Jun-19	ND	ND	ND	ND	6.68	27.4
11-Sep-19	ND	ND	ND	ND	5.12	26.0
12-Dec-19	ND	ND	ND	ND	5.91	28.0
17-Mar-20	ND	ND	ND	ND	6.15	27.7
10-Jun-20	ND	ND	ND	ND	6.53	26.2

TW4-3 Chloroform Values

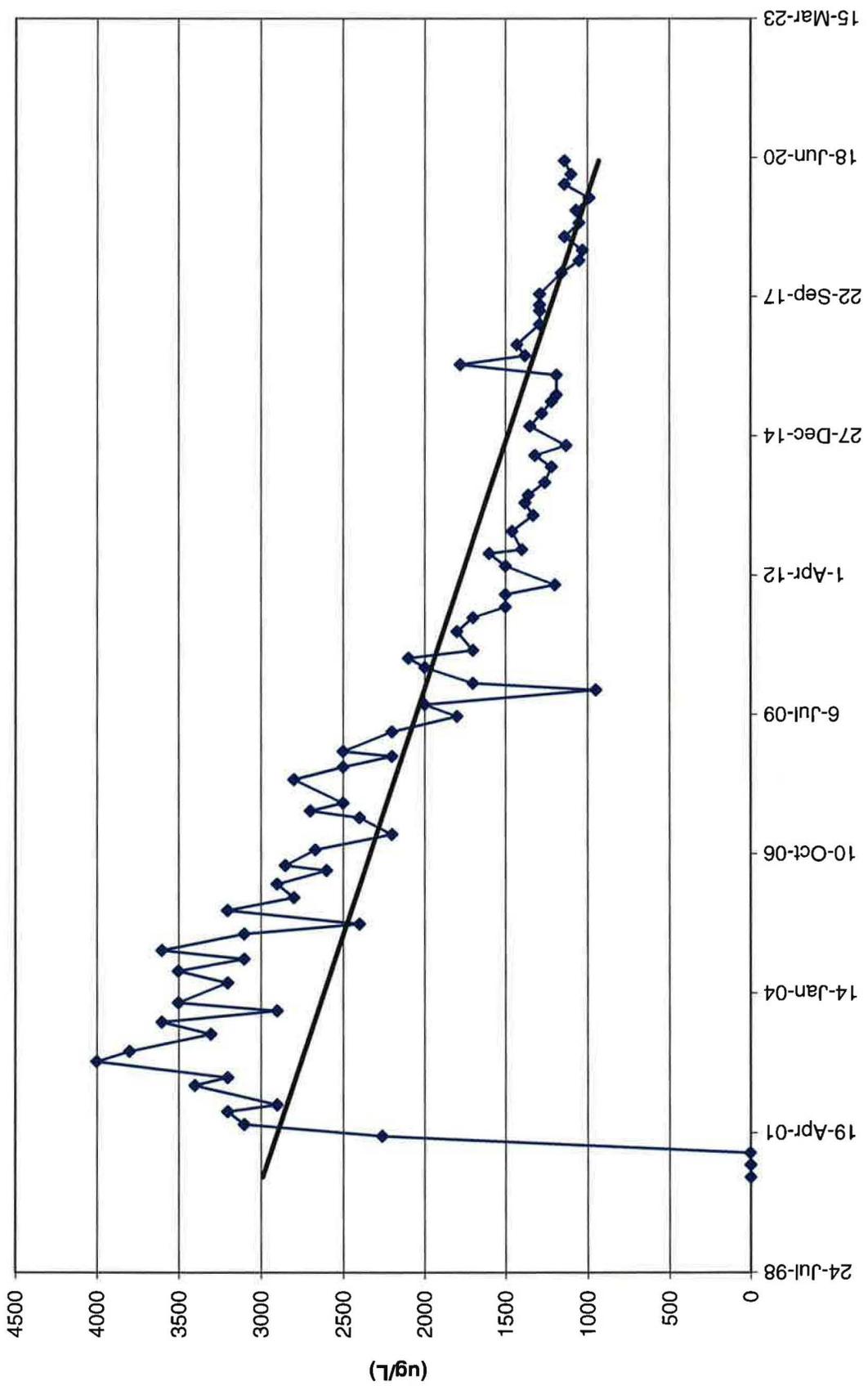


TW4-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
6-Jun-00	0					
2-Sep-00	0					
28-Nov-00	3.9					
28-Mar-01	2260				1.02	
20-Jun-01	3100				14.5	
20-Sep-01	3200				14	
8-Nov-01	2900				14.8	
26-Mar-02	3400				15	
22-May-02	3200				13.2	
12-Sep-02	4000				13.4	
24-Nov-02	3800				12.6	
28-Mar-03	3300				13.4	
23-Jun-03	3600				12.8	
12-Sep-03	2900				12.3	
8-Nov-03	3500				12.3	
29-Mar-04	3200				12.2	
22-Jun-04	3500				12.1	
17-Sep-04	3100				11.1	
17-Nov-04	3600				10.8	
16-Mar-05	3100				11.6	
25-May-05	2400	NA	NA	NA	11.3	NA
31-Aug-05	3200	<10	<10	<10	9.9	NA
1-Dec-05	2800	<50	<50	<50	10.2	NA
9-Mar-06	2900	<50	<50	<50	9.5	51
14-Jun-06	2600	<50	<50	<50	8.6	48
20-Jul-06	2850	<50	<50	<50	9.7	50
8-Nov-06	2670	1.7	<1	<1	10.1	49
28-Feb-07	2200	1.5	<1	<1	9	49
27-Jun-07	2400	1.7	<1	<1	9.4	47
15-Aug-07	2700	1.5	<1	<1	9.5	45
10-Oct-07	2500	1.5	<1	<1	9.5	47
26-Mar-08	2800	1.6	<1	<1	9.2	43
25-Jun-08	2500	1.5	<1	<1	10.8	42
10-Sep-08	2200	1.4	<1	<1	8.83	39
15-Oct-08	2500	2	<2	<2	10.1	44
4-Mar-09	2200	1.2	<1	<1	10.2	37
24-Jun-09	1800	1.2	<1	<1	8.2	34
15-Sep-09	2000	1.1	<1	<1	8.4	39
29-Dec-09	950	1.1	<1	<1	7.6	41

TW4-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
17-Feb-10	1700	1	<1	<1	6.6	48
10-Jun-10	2000	1.2	<1	<1	7.6	35
16-Aug-10	2100	1.3	<1	<1	7.3	36
11-Oct-10	1700	1.3	<1	<1	7.1	38
23-Feb-11	1800	1.4	ND	ND	7	41
1-Jun-11	1700	1.2	ND	ND	7	35
17-Aug-11	1500	ND	ND	ND	6.6	40
16-Nov-11	1500	1	ND	ND	7	39
23-Jan-12	1200	ND	ND	ND	7.1	38
6-Jun-12	1500	ND	ND	ND	7.1	43
4-Sep-12	1600	1.2	ND	ND	7.1	39
3-Oct-12	1400	1	ND	ND	7	38
11-Feb-13	1460	1.12	ND	ND	7.36	39
5-Jun-13	1330	ND	ND	ND	6.3	39.6
3-Sep-13	1380	ND	ND	ND	7.22	38.8
29-Oct-13	1360	5.3	ND	ND	7.84	43.9
27-Jan-14	1260	3.88	ND	ND	7.28	37.4
19-May-14	1220	5	ND	ND	5.91	47.5
11-Aug-14	1320	ND	7	ND	5.30	40.0
21-Oct-14	1130	ND	ND	ND	7.02	40.0
9-Mar-15	1350	1	ND	ND	7.70	37.6
8-Jun-15	1280	ND	ND	ND	6.33	41.3
31-Aug-15	1220	ND	ND	ND	6.45	45.8
19-Oct-15	1190	ND	ND	ND	6.27	38.5
9-Mar-16	1190	ND	ND	ND	6.71	39.7
23-May-16	1780	1	ND	ND	6.56	41.9
26-Jul-16	1380	ND	ND	ND	7.22	40.2
13-Oct-16	1430	ND	ND	ND	6.77	42.3
8-Mar-17	1290	ND	ND	ND	6.87	41.7
13-Jun-17	1290	ND	ND	ND	7.06	40.7
26-Jul-17	1290	ND	ND	ND	6.47	40.5
11-Oct-17	1290	ND	ND	ND	6.90	40.7
12-Mar-18	1160	ND	ND	ND	6.12	42.2
8-Jun-18	1050	ND	ND	ND	6.34	39.0
22-Aug-18	1030	ND	ND	ND	6.34	39.0
28-Nov-18	1140	ND	ND	ND	6.02	41.4
8-Mar-19	1050	ND	ND	ND	7.26	38.3
5-Jun-19	1070	ND	ND	ND	10.40	38.5
4-Sep-19	989	ND	ND	ND	6.32	39.8

TW4-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
10-Dec-19	1140	ND	ND	ND	6.52	40.4
19-Feb-20	1100	ND	ND	ND	4.58	43.4
27-May-20	1140	ND	ND	ND	7.26	46.1

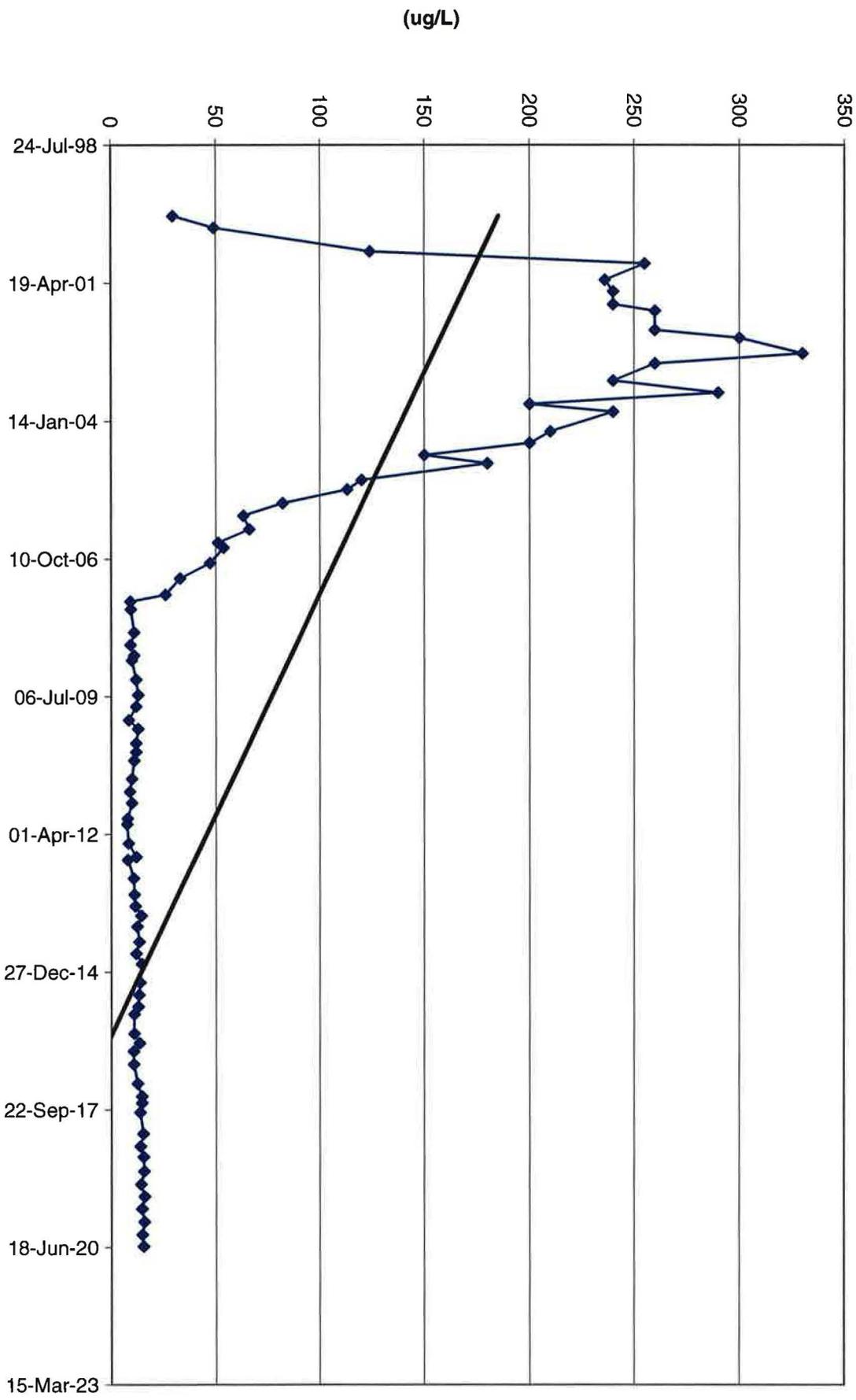
TW4-4 Chloroform Values



TW4-5	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
20-Dec-99	29.5					
15-Mar-00	49.0					
2-Sep-00	124					
29-Nov-00	255					
28-Mar-01	236					
20-Jun-01	240					
20-Sep-01	240					
7-Nov-01	260					
26-Mar-02	260					
22-May-02	300					
12-Sep-02	330					
24-Nov-02	260					
28-Mar-03	240					
23-Jun-03	290					
12-Sep-03	200					
8-Nov-03	240					
29-Mar-04	210					
22-Jun-04	200					
17-Sep-04	150					
17-Nov-04	180					
16-Mar-05	120					
25-May-05	113	NA	NA	NA	3.7	NA
31-Aug-05	82.0	<2.5	5.8	<2.5	6	NA
1-Dec-05	63.0	<2.5	2.5	<2.5	6	NA
9-Mar-06	66.0	<2.5	3.1	<2.5	6	52
14-Jun-06	51.0	<1	<2.5	<2.5	5.9	51
20-Jul-06	53.7	<1	<1	<1	6.7	54
8-Nov-06	47.1	<1	<1	<1	2.9	55
28-Feb-07	33.0	<1	<1	<1	7.8	57
27-Jun-07	26.0	<1	<1	<1	7	45
15-Aug-07	9.2	<1	<1	<1	7.7	38
10-Oct-07	9.4	<1	<1	<1	8.2	39
26-Mar-08	11.0	<1	<1	<1	7.4	36
25-Jun-08	9.3	<1	<1	<1	8.7	37
10-Sep-08	11.0	<1	<1	<1	7.91	34
15-Oct-08	10.0	<1	<1	<1	9.3	37
4-Mar-09	12.0	<1	<1	<1	7.9	34
24-Jun-09	13.0	<1	<1	<1	7.5	37
15-Sep-09	12.0	<1	<1	<1	8.3	48

TW4-5	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
22-Dec-09	8.5	<1	<1	<1	7.5	41
25-Feb-10	13.0	<1	<1	<1	6.8	43
9-Jun-10	12.0	<1	<1	<1	7.1	28
11-Aug-10	12.0	<1	<1	<1	7	38
13-Oct-10	11.0	<1	<1	<1	7.2	41
22-Feb-11	10.0	ND	ND	ND	7	34
26-May-11	9.0	ND	ND	ND	7.2	35
17-Aug-11	10.0	ND	ND	ND	7.5	37
7-Dec-11	7.9	ND	ND	ND	6	30
18-Jan-12	7.6	ND	ND	ND	5.8	22
6-Jun-12	8.4	ND	ND	ND	8	39
11-Sep-12	12.0	ND	ND	ND	8.1	37
3-Oct-12	8.0	ND	ND	ND	7.7	38
13-Feb-13	10.8	ND	ND	ND	8.24	34.3
13-Jun-13	11.2	ND	ND	ND	10.7	36.5
5-Sep-13	11.6	ND	ND	ND	7.79	39.1
13-Nov-13	14.4	ND	ND	ND	7.75	41.1
30-Jan-14	12.5	ND	ND	ND	9.16	40.5
22-May-14	13.4	ND	ND	ND	7.78	51.4
14-Aug-14	12.0	ND	ND	ND	7.2	44
28-Oct-14	14.6	ND	ND	ND	8.31	45.1
12-Mar-15	13.8	ND	ND	ND	9.32	45.1
10-Jun-15	13.3	ND	1.07	ND	7.08	47.3
3-Sep-15	12.9	ND	ND	ND	8.1	52.2
28-Oct-15	11.0	ND	ND	ND	8.03	43.6
17-Mar-16	11.0	ND	ND	ND	10.2	44.7
26-May-16	13.6	ND	ND	ND	8.98	45.9
25-Jul-16	10.8	ND	ND	ND	8.49	44.6
26-Oct-16	10.8	ND	ND	ND	8.32	47.8
15-Mar-17	12.6	ND	ND	ND	8.49	44.7
15-Jun-17	14.6	ND	ND	ND	8.52	47.3
2-Aug-17	14.6	ND	ND	ND	8.52	48.6
10-Oct-17	13.8	ND	ND	ND	8.57	42.5
15-Mar-18	15.2	ND	ND	ND	8.36	51.2
13-Jun-18	13.9	ND	ND	ND	9.24	47.4
30-Aug-18	15.4	ND	ND	ND	7.34	54.7
12-Dec-18	15.6	ND	ND	ND	7.67	49.8
16-Mar-19	14.1	ND	ND	ND	7.38	47.6
13-Jun-19	15.8	ND	ND	ND	7.62	49.3

TW4-5	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
11-Sep-19	14.6	ND	ND	ND	7.02	46.1
14-Dec-19	15.7	ND	ND	ND	6.97	53.1
17-Mar-20	14.8	ND	ND	ND	7.1	48.3
11-Jun-20	15.4	ND	ND	ND	7.83	49.5

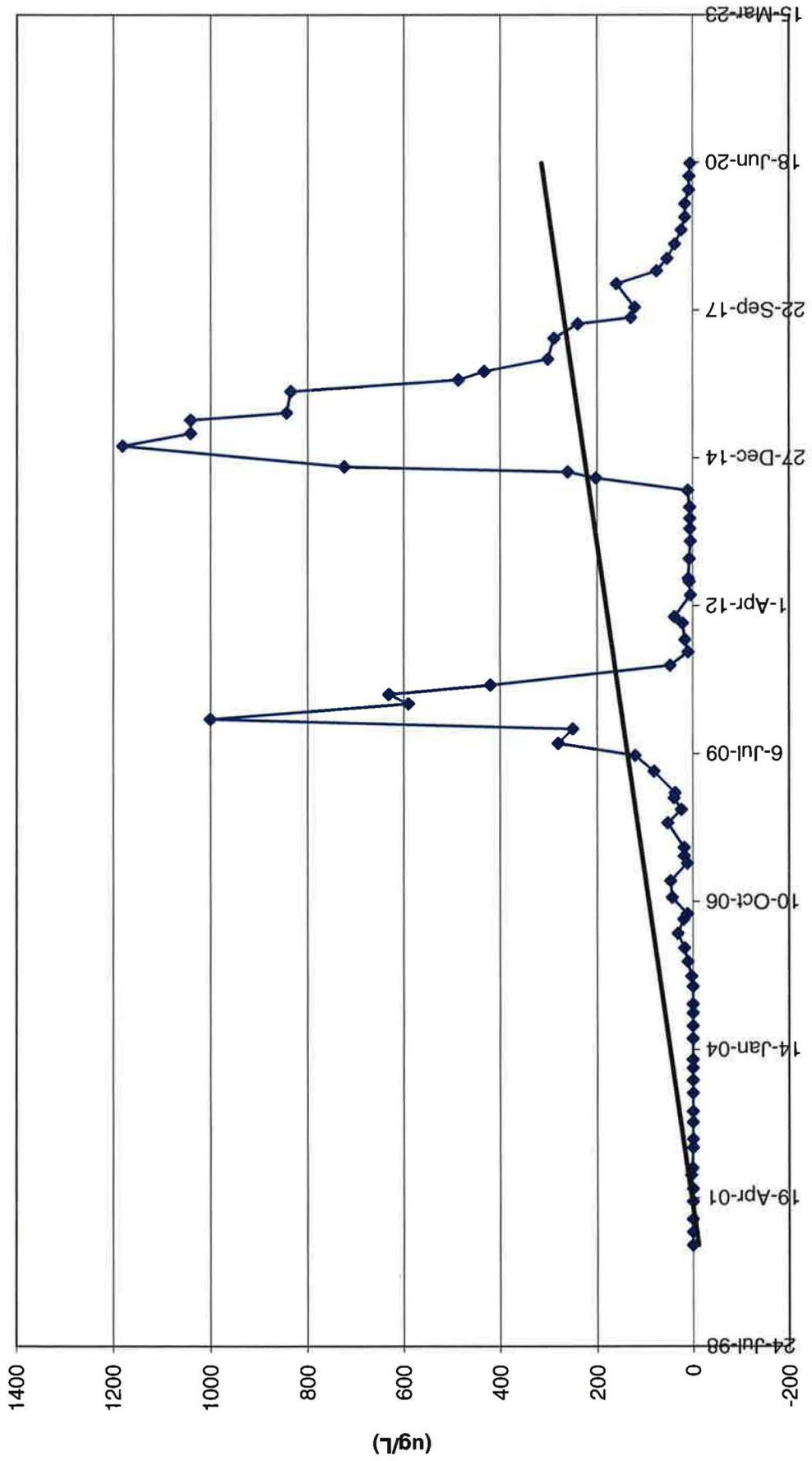


TW4-5 Chloroform Values

TW4-6	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
6-Jun-00	0					
2-Sep-00	0					
28-Nov-00	0				ND	
26-Mar-01	0				0.13	
20-Jun-01	0				ND	
20-Sep-01	4				ND	
7-Nov-01	1				ND	
26-Mar-02	0				ND	
21-May-02	0				ND	
12-Sep-02	0				ND	
24-Nov-02	0				ND	
28-Mar-03	0				0.1	
23-Jun-03	0				ND	
12-Sep-03	0				ND	
8-Nov-03	0				ND	
29-Mar-04	0				ND	
22-Jun-04	0				ND	
17-Sep-04	0				ND	
17-Nov-04	0				ND	
16-Mar-05	0				0.2	
25-May-05	2.5	NA	NA	NA	0.4	NA
31-Aug-05	10.0	<1	2.8	<1	0.8	NA
1-Dec-05	17.0	<1	1.3	<1	0.9	NA
9-Mar-06	31.0	<1	<1	<1	1.2	31
14-Jun-06	19.0	<1	<1	<1	1	30
20-Jul-06	11.0	<1	<1	<1	0.6	37
8-Nov-06	42.8	<1	<1	<1	1.4	65
28-Feb-07	46.0	<1	<1	<1	1.5	32
27-Jun-07	11.0	<1	<1	<1	0.6	38
15-Aug-07	18.0	<1	<1	<1	0.7	36
10-Oct-07	18.0	<1	<1	<1	0.8	38
26-Mar-08	52.0	<1	<1	<1	1.1	33
25-Jun-08	24.0	<1	<1	<1	0.9	35
10-Sep-08	39.0	<1	<1	<1	1.14	35
15-Oct-08	37.0	<1	<1	<1	1.01	33
11-Mar-09	81.0	<1	<1	<1	2.2	35
24-Jun-09	120	<1	<1	<1	2.7	37
15-Sep-09	280	<1	<1	<1	5.0	37
22-Dec-09	250	<1	<1	<1	6.1	41
25-Feb-10	1000	<1	<1	<1	1.6	45
10-Jun-10	590	<1	<1	<1	2.5	33
12-Aug-10	630	<1	<1	<1	3.9	31
13-Oct-10	420	<1	<1	<1	4.3	41
23-Feb-11	47	ND	ND	ND	0.7	40

TW4-6	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
26-May-11	10	ND	ND	ND	0.3	42
17-Aug-11	16	ND	ND	ND	0.3	39
7-Dec-11	21	ND	ND	ND	0.8	36
18-Jan-12	38	ND	ND	ND	0.7	38
13-Jun-12	4.7	ND	ND	ND	0.2	40
11-Sep-12	6.9	ND	ND	ND	0.1	21
3-Oct-12	9.0	ND	ND	ND	0.2	41
13-Feb-13	6.9	ND	ND	ND	0.154	40.4
13-Jun-13	4.9	ND	ND	ND	0.155	37.9
5-Sep-13	5.9	ND	ND	ND	0.157	40.6
13-Nov-13	5.5	ND	ND	ND	1.52	40.2
29-Jan-14	5.7	ND	ND	ND	0.184	40.6
22-May-14	10.3	ND	ND	ND	0.312	37
14-Aug-14	202	ND	ND	ND	4.2	40
24-Sep-14	260	ND	ND	ND	N/A	N/A
29-Oct-14	723	ND	ND	ND	6.92	41.1
18-Mar-15	1180	ND	ND	ND	5.25	41.2
11-Jun-15	1040	ND	ND	ND	5.87	41.6
10-Sep-15	1040	ND	ND	ND	6.75	47.0
29-Oct-15	843	ND	ND	ND	5.61	40.2
22-Mar-16	834	ND	ND	ND	6.79	42.0
8-Jun-16	486	ND	ND	ND	3.19	44.1
4-Aug-16	433	ND	ND	ND	3.85	42.2
26-Oct-16	301	ND	ND	ND	3.74	46.1
16-Mar-17	288	ND	ND	ND	3.15	42.1
21-Jun-17	239	ND	ND	ND	2.42	42.6
3-Aug-17	129	ND	ND	ND	1.71	42.9
11-Oct-17	121	ND	ND	ND	1.71	37.6
20-Mar-18	159	ND	ND	ND	1.96	43.1
14-Jun-18	74.9	ND	ND	ND	1.48	40.2
5-Sep-18	53.2	ND	ND	ND	1.18	44.0
12-Dec-18	37.0	ND	ND	ND	0.900	20.0
19-Mar-19	23.2	ND	ND	ND	0.755	41.0
13-Jun-19	15.8	ND	ND	ND	0.484	38.1
11-Sep-19	15.8	ND	ND	ND	0.412	39.7
14-Dec-19	7.40	ND	ND	ND	0.244	45.7
17-Mar-20	6.93	ND	ND	ND	0.222	43.2
11-Jun-20	4.86	ND	ND	ND	0.205	42.4

TW4-6 Chloroform Values

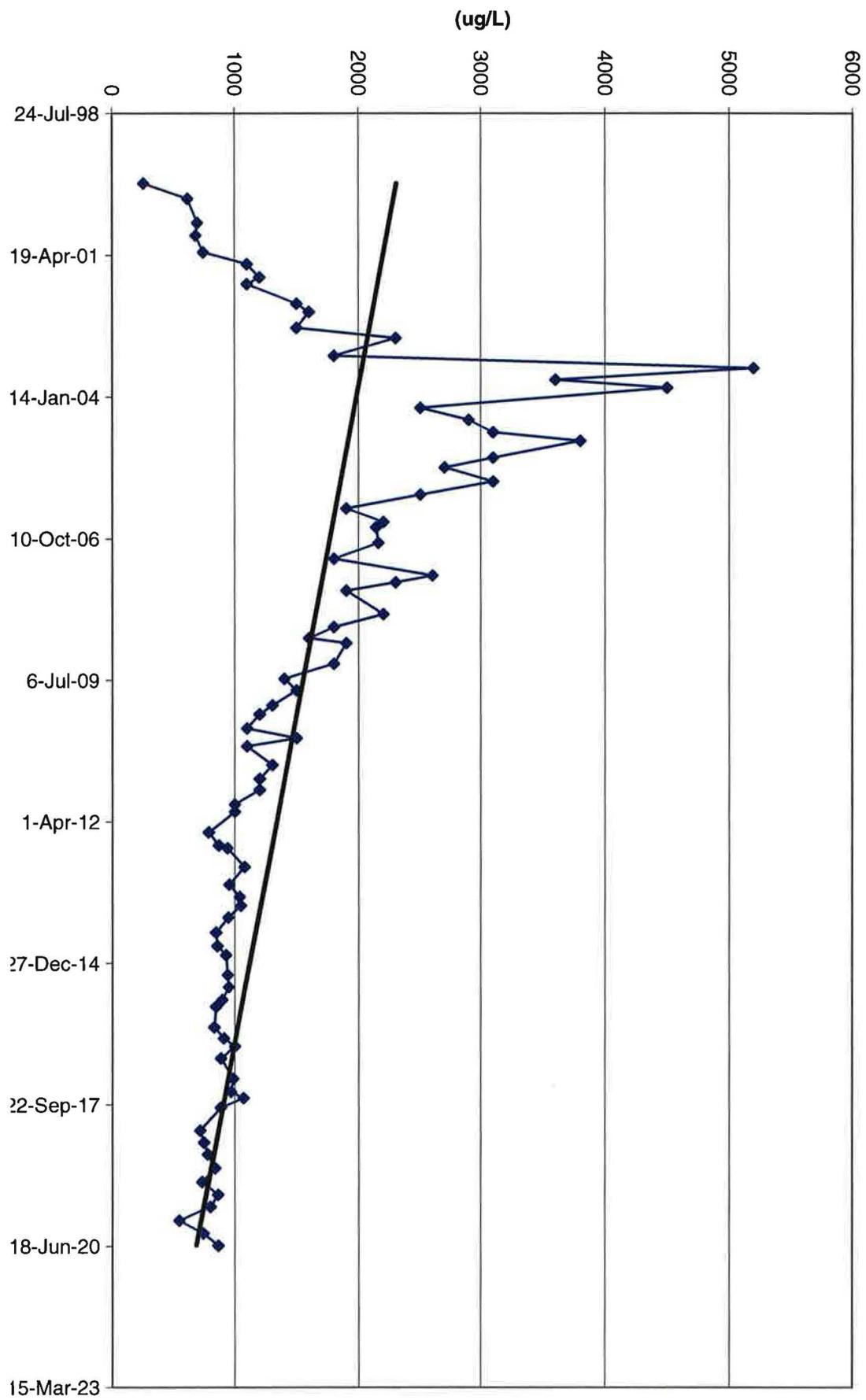


TW4-7	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Nov-99	256					
15-Mar-00	616					
2-Sep-00	698					
29-Nov-00	684				1.99	
28-Mar-01	747				2.46	
20-Jun-01	1100				2.65	
20-Sep-01	1200				3.38	
8-Nov-01	1100				2.5	
26-Mar-02	1500				3.76	
23-May-02	1600				3.89	
12-Sep-02	1500				3.18	
24-Nov-02	2300				4.6	
28-Mar-03	1800				4.8	
23-Jun-03	5200				7.6	
12-Sep-03	3600				7.6	
8-Nov-03	4500				7.1	
29-Mar-04	2500				4.63	
22-Jun-04	2900				4.83	
17-Sep-04	3100				5.59	
17-Nov-04	3800				6	
16-Mar-05	3100				5.2	
25-May-05	2700	NA	NA	NA	5.4	NA
31-Aug-05	3100	<10	<10	<10	5.2	NA
1-Dec-05	2500	<50	<50	<50	5.3	NA
9-Mar-06	1900	<50	<50	<50	1	48
14-Jun-06	2200	<50	<50	<50	4.5	47
20-Jul-06	2140	<50	<50	<50	4.7	51
8-Nov-06	2160	1.5	<1	<1	4.6	49
28-Feb-07	1800	1.1	<1	<1	5	47
27-Jun-07	2600	1.5	<1	<1	5.1	45
14-Aug-07	2300	1.4	<1	<1	4.7	44
10-Oct-07	1900	1.2	<1	<1	4.7	45
26-Mar-08	2200	1.3	<1	<1	4.2	43
25-Jun-08	1800	1.3	<1	<1	4.8	43
10-Sep-08	1600	1.4	<1	<1	4.16	35
15-Oct-08	1900	<2	<2	<2	4.01	40
11-Mar-09	1800	1.2	<1	<1	3.7	35
24-Jun-09	1400	<1	<1	<1	3.8	37
15-Sep-09	1500	1.0	<1	<1	4.1	37

TW4-7	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Dec-09	1300	<1	<1	<1	4.2	37
3-Mar-10	1200	<1	<1	<1	3.8	36
10-Jun-10	1100	<1	<1	<1	3.9	31
18-Aug-10	1500	1.1	<1	<1	3.9	36
13-Oct-10	1100	1.1	<1	<1	4	38
23-Feb-11	1300	ND	ND	ND	3.60	45
1-Jun-11	1200	ND	ND	ND	4.00	35
18-Aug-11	1200	ND	ND	ND	4.10	37
29-Nov-11	1000	ND	ND	ND	3.80	37
19-Jan-12	1000	ND	ND	ND	3.90	37
14-Jun-12	790	ND	ND	ND	4.00	41
13-Sep-12	870	ND	ND	ND	3.80	40
4-Oct-12	940	ND	ND	ND	3.80	41
13-Feb-13	1080	3.51	ND	ND	3.90	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	2.90	39
30-Oct-14	926	ND	ND	ND	3.68	40.2
18-Mar-15	942	ND	ND	ND	4.25	40.4
11-Jun-15	950	ND	ND	ND	2.62	42.1
10-Sep-15	897	ND	ND	ND	4.72	46.7
29-Oct-15	847	ND	ND	ND	3.49	40.6
22-Mar-16	834	ND	ND	ND	4.43	42.4
8-Jun-16	909	ND	ND	ND	3.75	44.1
4-Aug-16	1000	ND	ND	ND	4.21	42.3
27-Oct-16	886	ND	ND	ND	4.33	45.8
21-Mar-17	986	ND	ND	ND	3.87	40.5
21-Jun-17	968	ND	ND	ND	4.15	43.3
4-Aug-17	1070	ND	ND	ND	4.20	44.7
11-Oct-17	884	ND	ND	ND	4.35	43.7
21-Mar-18	721	ND	ND	ND	3.96	44.5
14-Jun-18	751	ND	ND	ND	4.45	41.5
5-Sep-18	781	ND	ND	ND	4.34	48.5
13-Dec-18	838	ND	ND	ND	3.98	42.8
20-Mar-19	736	ND	ND	ND	4.01	41.3
19-Jun-19	862	ND	ND	ND	4.19	43.0

TW4-7	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-19	801	ND	ND	ND	3.76	39.7
18-Dec-19	546	ND	ND	ND	3.11	47.2
18-Mar-20	746	ND	ND	ND	3.75	42.1
12-Jun-20	864	ND	ND	ND	4.06	44.1

TW4-7 Chloroform Values

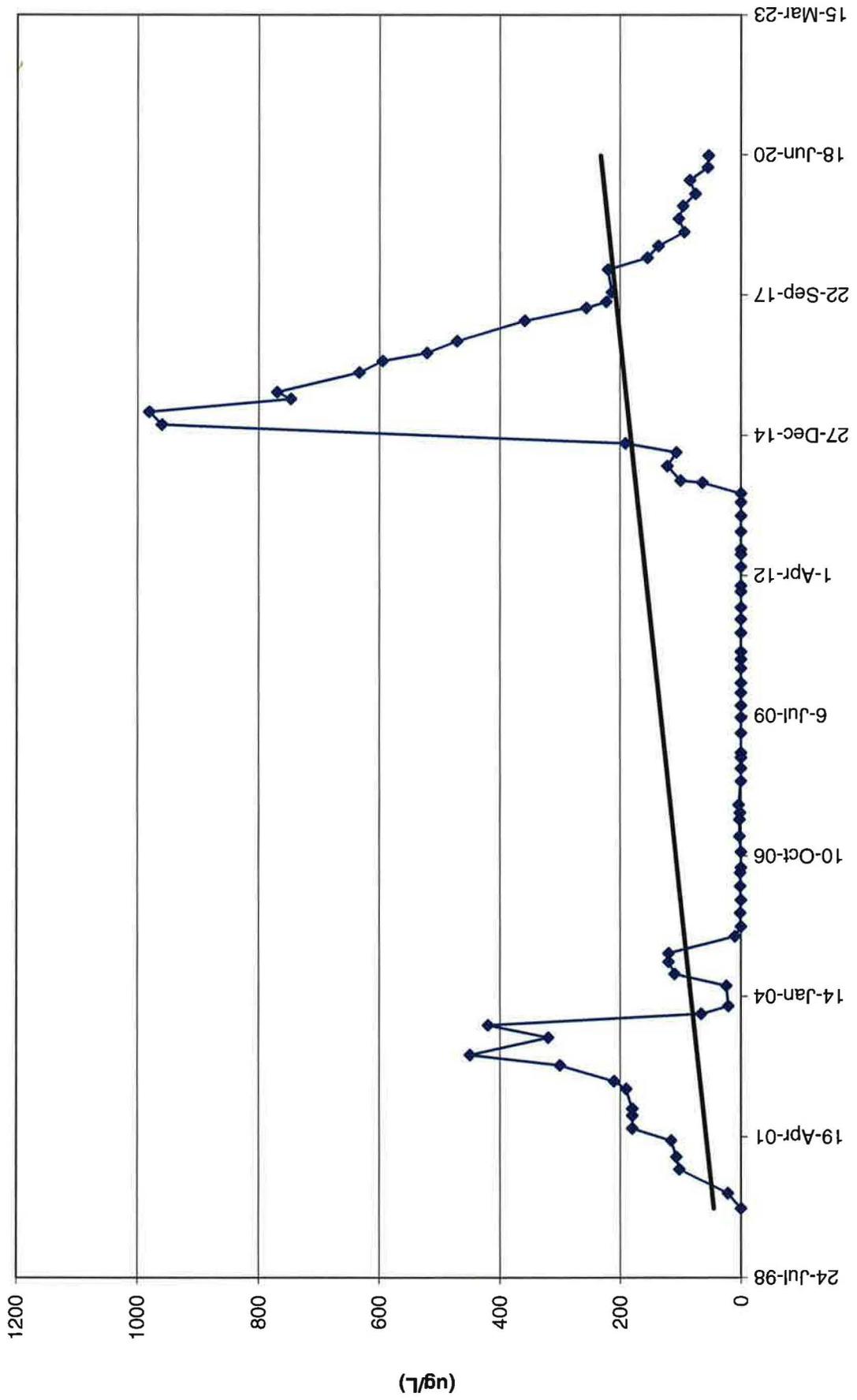


TW4-8	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Nov-99	0					
15-Mar-00	21.8					
2-Sep-00	102					
29-Nov-00	107				ND	
26-Mar-01	116				ND	
20-Jun-01	180				ND	
20-Sep-01	180				0.35	
7-Nov-01	180				ND	
26-Mar-02	190				0.62	
22-May-02	210				0.77	
12-Sep-02	300				ND	
24-Nov-02	450				ND	
28-Mar-03	320				0.8	
23-Jun-03	420				ND	
12-Sep-03	66.0				ND	
8-Nov-03	21.0				0.1	
29-Mar-04	24.0				0.65	
22-Jun-04	110				0.52	
17-Sep-04	120				ND	
17-Nov-04	120				ND	
16-Mar-05	10.0				ND	
25-May-05	<1	NA	NA	NA	0.2	NA
31-Aug-05	1.1	<1	1.7	<1	<0.1	NA
30-Nov-05	<1	<1	<1	<1	<0.1	NA
9-Mar-06	1.3	<1	2.1	<1	0.3	39
14-Jun-06	1.0	<1	1.8	<1	<0.1	37
20-Jul-06	<1	<1	<1	<1	0.1	39
8-Nov-06	<1	<1	<1	<1	<0.1	40
28-Feb-07	2.5	<1	<1	<1	0.7	39
27-Jun-07	2.5	<1	<1	<1	0.2	42
15-Aug-07	1.5	<1	<1	<1	<0.1	42
10-Oct-07	3.5	<1	<1	<1	0.5	43
26-Mar-08	<1	<1	<1	<1	0.1	46
25-Jun-08	<1	<1	<1	<1	<0.05	45
10-Sep-08	<1	<1	<1	<1	<0.05	39
15-Oct-08	<1	<1	<1	<1	<0.05	44
4-Mar-09	<1	<1	<1	<1	<0.1	42
24-Jun-09	<1	<1	<1	<1	<0.1	44
15-Sep-09	<1	<1	<1	<1	<1	44

TW4-8	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
17-Dec-09	<1	<1	<1	<1	<0.1	51
24-Feb-10	<1	<1	<1	<1	<0.1	57
9-Jun-10	<1	<1	<1	<1	<0.1	42
11-Aug-10	<1	<1	<1	<1	<0.1	45
5-Oct-10	<1	<1	<1	<1	<0.1	46
16-Feb-11	ND	ND	ND	ND	ND	52
25-May-11	ND	ND	ND	ND	0.1	45
16-Aug-11	ND	ND	ND	ND	0.1	46
7-Dec-11	ND	ND	ND	ND	0.2	45
18-Jan-12	ND	ND	ND	ND	0.3	45
31-May-12	ND	ND	ND	ND	0.2	44
29-Aug-12	ND	ND	ND	ND	0.1	48
3-Oct-12	ND	ND	ND	ND	ND	47
7-Feb-13	ND	ND	ND	ND	0.411	46.6
30-May-13	ND	ND	ND	ND	ND	45.5
5-Sep-13	ND	ND	ND	ND	ND	47.5
7-Nov-13	ND	ND	ND	ND	ND	46.1
23-Jan-14	63.8	ND	ND	ND	0.166	48.5
6-Feb-14	100	ND	ND	ND	0.165	46.6
22-May-14	122	ND	ND	ND	0.538	53
27-Aug-14	107	ND	ND	ND	0.6	47
29-Oct-14	191	ND	ND	ND	0.914	46.7
12-Mar-15	961	ND	ND	ND	2.34	49.6
11-Jun-15	981	ND	ND	ND	1.88	53
10-Sep-15	747	ND	ND	ND	1.96	59.6
29-Oct-15	770	ND	ND	ND	2.20	52.0
17-Mar-16	634	ND	ND	ND	2.48	54.2
8-Jun-16	595	ND	ND	ND	2.14	58.7
4-Aug-16	522	ND	ND	ND	2.10	56.9
27-Oct-16	472	ND	ND	ND	2.16	60.1
21-Mar-17	359	ND	ND	ND	2.06	57.4
21-Jun-17	256	ND	ND	ND	1.97	58.8
4-Aug-17	223	ND	ND	ND	1.64	61.2
11-Oct-17	214	ND	ND	ND	1.97	52.2
21-Mar-18	220	ND	ND	ND	1.36	60.8
14-Jun-18	155	ND	ND	ND	1.31	53.8
5-Sep-18	137	ND	ND	ND	1.40	63.2
13-Dec-18	93.8	ND	ND	ND	0.123	65.8
19-Mar-19	103	ND	ND	ND	1.23	54.3

TW4-8	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-19	96.0	ND	ND	ND	1.10	56.5
12-Sep-19	75.4	ND	ND	ND	0.999	52.0
18-Dec-19	84.4	ND	ND	ND	1.21	60.1
18-Mar-20	55.0	ND	ND	ND	1.04	53.8
12-Jun-20	53.8	ND	ND	ND	1.06	56.9

TW4-8 Chloroform Values

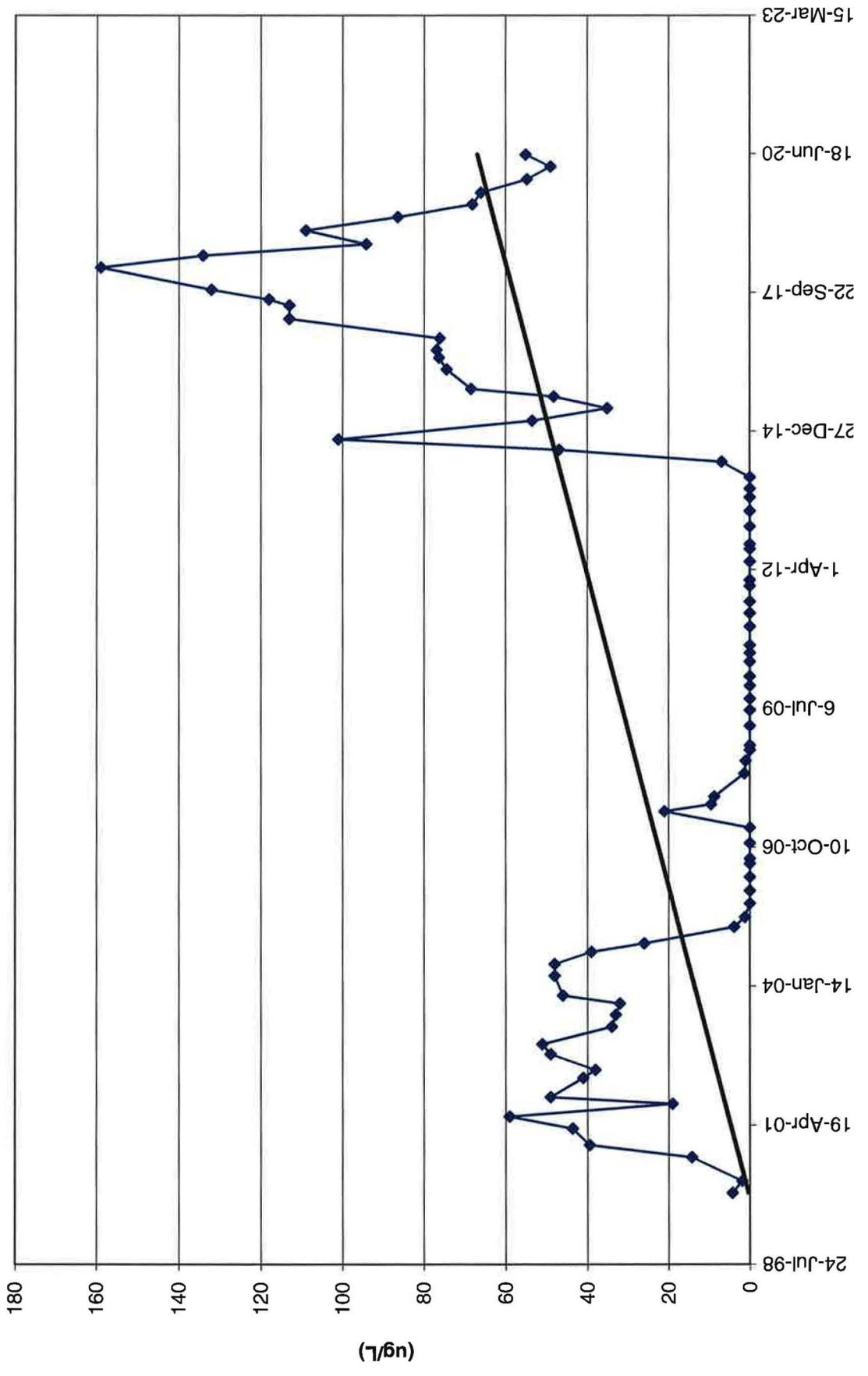


TW4-9	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
20-Dec-99	4.2					
15-Mar-00	1.9					
2-Sep-00	14.2					
29-Nov-00	39.4				ND	
27-Mar-01	43.6				ND	
20-Jun-01	59.0				0.15	
20-Sep-01	19.0				0.4	
7-Nov-01	49.0				0.1	
26-Mar-02	41.0				0.5	
22-May-02	38.0				0.65	
12-Sep-02	49.0				0.2	
24-Nov-02	51.0				0.6	
28-Mar-03	34.0				0.6	
23-Jun-03	33.0				0.8	
12-Sep-03	32.0				1.1	
8-Nov-03	46.0				1.1	
29-Mar-04	48.0				0.82	
22-Jun-04	48.0				0.75	
17-Sep-04	39.0				0.81	
17-Nov-04	26.0				1.2	
16-Mar-05	3.8				1.3	
25-May-05	1.2	NA	NA	NA	1.3	NA
31-Aug-05	<1	<1	2.9	<1	1.3	NA
1-Dec-05	<1	<1	<1	<1	1.3	NA
9-Mar-06	<1	<1	2.6	<1	1.5	38
14-Jun-06	<1	<1	2.7	<1	1.5	39
20-Jul-06	<1	<1	<1	<1	0.9	41
8-Nov-06	<1	<1	<1	<1	0.7	44
28-Feb-07	<1	<1	<1	<1	0.6	44
27-Jun-07	21	<1	<1	<1	1.3	42
15-Aug-07	9.5	<1	<1	<1	1.8	38
10-Oct-07	8.7	<1	<1	<1	2	40
26-Mar-08	1.3	<1	<1	<1	2.1	35
25-Jun-08	1.0	<1	<1	<1	2.3	35
10-Sep-08	<1	<1	<1	<1	2.79	28
15-Oct-08	<1	<1	<1	<1	1.99	58
4-Mar-09	<1	<1	<1	<1	2.5	30
24-Jun-09	<1	<1	<1	<1	2.3	30
15-Sep-09	<1	<1	<1	<1	2.5	30

TW4-9	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
17-Dec-09	<1	<1	<1	<1	1.7	37
23-Feb-10	<1	<1	<1	<1	1.7	47
9-Jun-10	<1	<1	<1	<1	1.5	33
11-Aug-10	<1	<1	<1	<1	1.2	40
6-Oct-10	<1	<1	<1	<1	1.8	34
17-Feb-11	ND	ND	ND	ND	1.3	41
25-May-11	ND	ND	ND	ND	3.4	38
16-Aug-11	ND	ND	ND	ND	4	21
7-Dec-11	ND	ND	ND	ND	2.3	38
18-Jan-12	ND	ND	ND	ND	2.3	28
31-May-12	ND	ND	ND	ND	4	23
30-Aug-12	ND	ND	ND	ND	3.9	22
3-Oct-12	ND	ND	ND	ND	3.8	21
7-Feb-13	ND	ND	ND	ND	4.12	20.6
30-May-13	ND	ND	ND	ND	4.49	21.4
5-Sep-13	ND	ND	ND	ND	4.03	22.7
7-Nov-13	ND	ND	ND	ND	4.87	23.6
29-Jan-14	ND	ND	ND	ND	4.36	22
21-May-14	6.9	ND	ND	ND	3.44	24
14-Aug-14	46.9	ND	ND	ND	2.7	27
29-Oct-14	101	ND	ND	ND	4.27	25
12-Mar-15	53.5	ND	ND	ND	3.28	29.5
11-Jun-15	35.1	ND	ND	ND	1.83	35.3
3-Sep-15	48.2	ND	ND	ND	1.44	39.5
28-Oct-15	68.4	ND	ND	ND	2.89	29.2
17-Mar-16	74.3	ND	ND	ND	2.51	33.6
8-Jun-16	76.2	ND	ND	ND	2.16	35.1
3-Aug-16	76.8	ND	ND	ND	2.11	33.6
26-Oct-16	76	ND	ND	ND	2.24	37.4
16-Mar-17	113	ND	ND	ND	2.18	34.5
21-Jun-17	113	ND	ND	ND	1.92	35.9
3-Aug-17	118	ND	ND	ND	1.90	37.0
11-Oct-17	132	ND	ND	ND	2.18	32.3
21-Mar-18	159	ND	ND	ND	1.85	38.3
14-Jun-18	134	ND	ND	ND	1.85	35.7
5-Sep-18	94.2	ND	ND	ND	1.04	43.4
13-Dec-18	109	ND	ND	ND	1.23	36.3
19-Mar-19	86.4	ND	ND	ND	1.09	36.9
19-Jun-19	68.1	ND	ND	ND	0.785	38.3

TW4-9	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
11-Sep-19	66.0	ND	ND	ND	0.904	35.2
18-Dec-19	54.8	ND	ND	ND	0.744	40.1
18-Mar-20	48.9	ND	ND	ND	0.855	37.7
12-Jun-20	55.1	ND	ND	ND	0.990	39.5

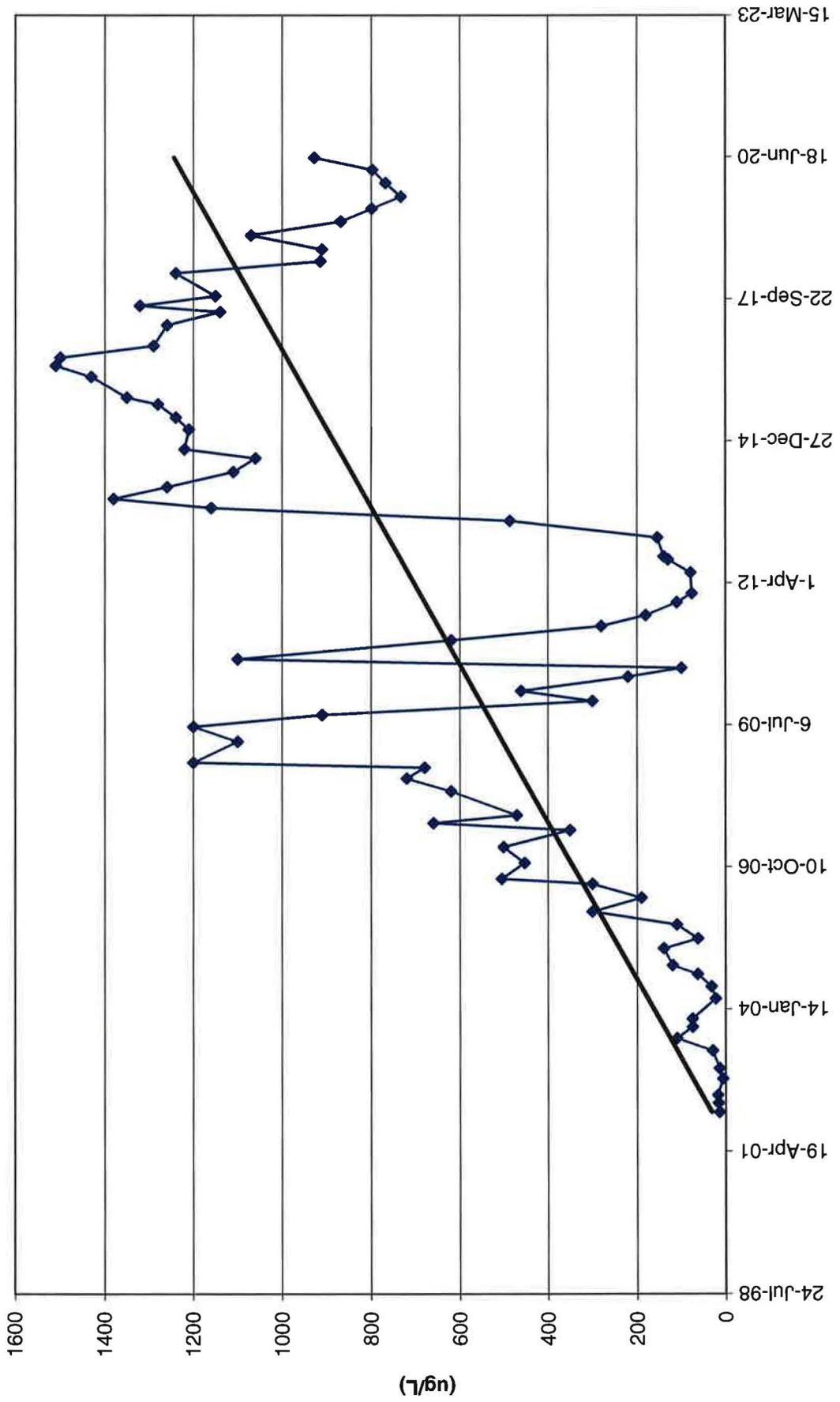
TW4-9 Chloroform Values



TW4-10	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
21-Jan-02	14					
26-Mar-02	16				0.14	
21-May-02	17				0.11	
12-Sep-02	6				ND	
24-Nov-02	14				ND	
28-Mar-03	29				0.2	
23-Jun-03	110				0.4	
12-Sep-03	74				0.4	
8-Nov-03	75				0.3	
29-Mar-04	22				0.1	
22-Jun-04	32				ND	
17-Sep-04	63				0.46	
17-Nov-04	120				0.4	
16-Mar-05	140				1.6	
25-May-05	62.4	NA	NA	NA	0.8	NA
31-Aug-05	110	<2.5	6.2	<2.5	1.1	NA
1-Dec-05	300	<2.5	<2.5	<2.5	3.3	NA
9-Mar-06	190	<5	<50	<50	2.4	50
14-Jun-06	300	<5	<50	<50	3.5	54
20-Jul-06	504	<5	<50	<50	6.8	61
8-Nov-06	452	<1	1.6	1	5.7	58
28-Feb-07	500	<1	<1	1	7.6	62
27-Jun-07	350	<1	<1	1	5.1	54
15-Aug-07	660	<1	<1	1	7.3	59
10-Oct-07	470	<1	<1	1	6.7	59
26-Mar-08	620	<1	<1	1	7.3	55
25-Jun-08	720	<1	<1	1	9.91	58
10-Sep-08	680	<1	<1	1	9.23	51
15-Oct-08	1200	<2	<2	2	10.5	61
11-Mar-09	1100	<1	<1	1	11.6	64
24-Jun-09	1200	<1	<1	1	9.8	62
15-Sep-09	910	<1	<1	1	8.1	51
22-Dec-09	300	<1	<1	<1	3.5	51
3-Mar-10	460	<1	<1	<1	5	49
10-Jun-10	220	<1	<1	<1	1.6	42
12-Aug-10	100	<1	<1	<1	0.8	38
13-Oct-10	1100	<1	<1	<1	11	52
23-Feb-11	620	ND	ND	ND	9	62
1-Jun-11	280	ND	ND	ND	3.3	42

TW4-10	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
17-Aug-11	180	ND	ND	ND	1.9	41
16-Nov-11	110	ND	ND	ND	1.1	45
19-Jan-12	76	ND	ND	ND	0.9	40
13-Jun-12	79	ND	ND	ND	0.8	46
12-Sep-12	130	ND	ND	ND	1.0	44
3-Oct-12	140	ND	ND	ND	1.6	45
13-Feb-13	154	ND	ND	ND	1.2	49.1
13-Jun-13	486	ND	ND	ND	5.6	51.5
12-Sep-13	1160	ND	ND	ND	13.0	67.9
14-Nov-13	1380	ND	ND	ND	16.0	70.9
5-Feb-14	1260	5.16	ND	ND	16.8	73
23-May-14	1110	ND	ND	ND	13.9	77.3
27-Aug-14	1060	ND	1.5	ND	9.8	74
30-Oct-14	1220	ND	ND	ND	13.2	75.2
18-Mar-15	1210	ND	ND	ND	15.0	78.6
11-Jun-15	1240	ND	ND	ND	11.4	75
10-Sep-15	1280	ND	ND	ND	14.0	89.5
29-Oct-15	1350	ND	ND	ND	13.5	79.9
22-Mar-16	1430	ND	ND	ND	17.3	84.1
8-Jun-16	1510	ND	ND	ND	14.9	89.5
4-Aug-16	1500	ND	ND	ND	14.9	85.3
27-Oct-16	1290	ND	ND	ND	14.8	84.4
21-Mar-17	1260	ND	ND	ND	13.0	74.6
21-Jun-17	1140	ND	ND	ND	13.0	73.1
4-Aug-17	1320	ND	ND	ND	13.4	77.0
11-Oct-17	1150	ND	ND	ND	12.9	70.0
21-Mar-18	1240	ND	ND	ND	11.1	72.7
14-Jun-18	914	ND	ND	ND	11.2	64.5
5-Sep-18	911	ND	ND	ND	10.1	73.5
13-Dec-18	1070	ND	ND	ND	10.6	63.5
20-Mar-19	869	ND	ND	ND	9.34	59.3
19-Jun-19	799	ND	ND	ND	8.86	58.7
12-Sep-19	734	ND	ND	ND	7.79	55.8
18-Dec-19	768	ND	ND	ND	6.89	62.0
18-Mar-20	798	ND	ND	ND	7.83	53.5
12-Jun-20	928	ND	ND	ND	8.13	60.1

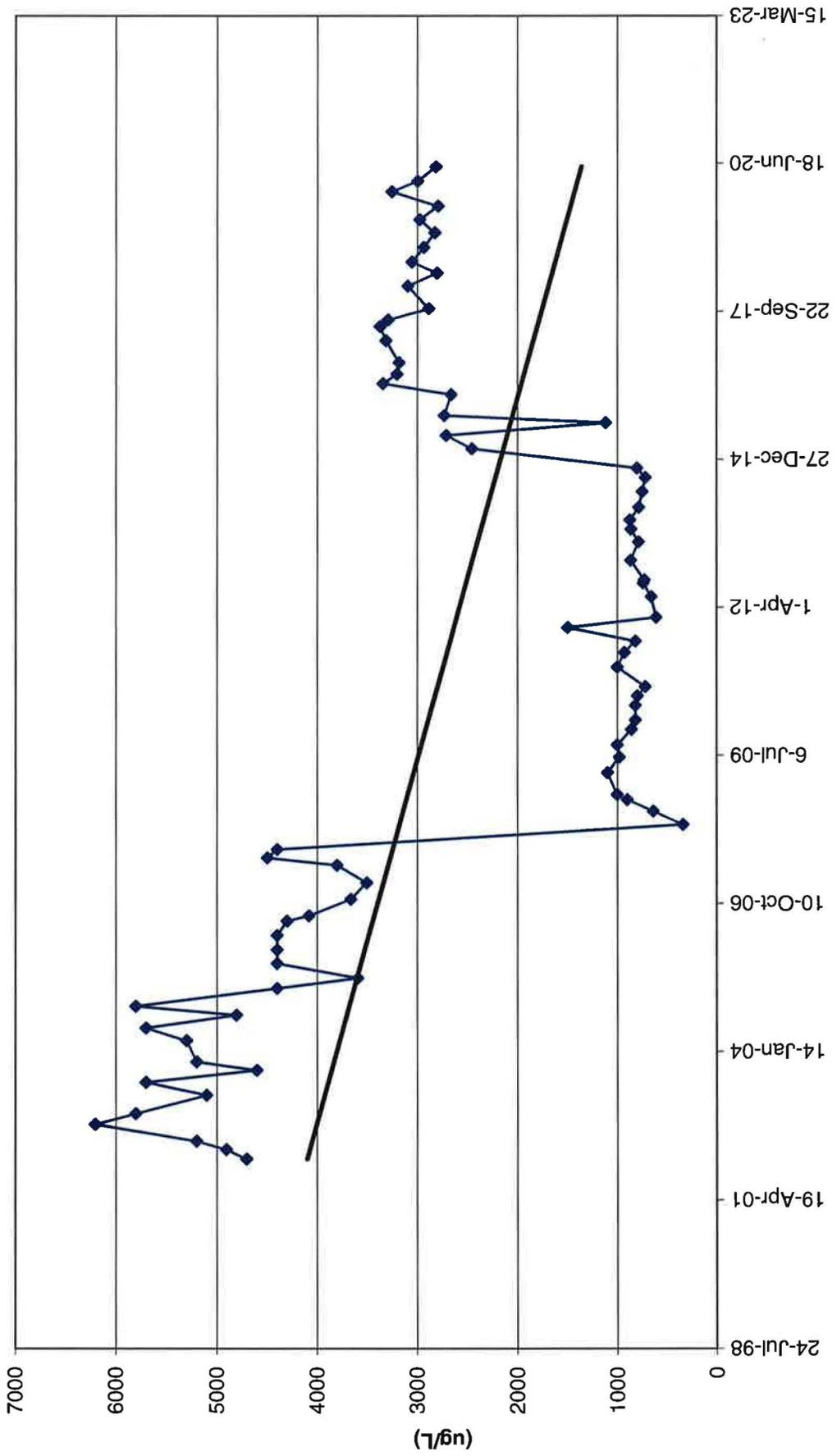
TW4-10 Chloroform Values



TW4-11	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
21-Jan-02	4700					
26-Mar-02	4900				9.6	
22-May-02	5200				9.07	
12-Sep-02	6200				8.84	
24-Nov-02	5800				9.7	
28-Mar-03	5100				9.7	
23-Jun-03	5700				9.4	
12-Sep-03	4600				9.9	
8-Nov-03	5200				9.3	
29-Mar-04	5300				9.07	
22-Jun-04	5700				8.74	
17-Sep-04	4800				8.75	
17-Nov-04	5800				9.7	
16-Mar-05	4400				8.7	
25-May-05	3590	NA	NA	NA	10.3	NA
31-Aug-05	4400	<10	<10	<10	9.4	NA
1-Dec-05	4400	<100	<100	<100	9.4	NA
9-Mar-06	4400	<50	<50	<50	9.2	56
14-Jun-06	4300	<50	<50	<50	10	56
20-Jul-06	4080	<50	<50	<50	10	55
8-Nov-06	3660	1.7	2.7	1.3	10	55
28-Feb-07	3500	1.3	<1	1.6	10.1	54
27-Jun-07	3800	1.6	<1	1.1	10.6	53
15-Aug-07	4500	1.7	<1	1.1	10.2	53
10-Oct-07	4400	1.6	<1	1.2	9.8	53
26-Mar-08	340	<1	<1	<1	7.7	63
25-Jun-08	640	<1	<1	<1	7.28	46
10-Sep-08	900	<1	<1	<1	7.93	42
15-Oct-08	1000	<2	<2	<2	9.46	47
11-Mar-09	1100	<1	<1	<1	7.3	49
24-Jun-09	980	<1	<1	<1	6.8	44
15-Sep-09	1000	<1	<1	<1	7	49
29-Dec-09	860	<1	<1	<1	6.6	46
3-Mar-10	820	<1	<1	<1	6.8	42
10-Jun-10	820	<1	<1	<1	6.9	40
12-Aug-10	800	<1	<1	<1	6.7	43
13-Oct-10	720	<1	<1	<1	6.4	49
23-Feb-11	1000	ND	ND	ND	6.5	46
1-Jun-11	930	ND	ND	ND	7.3	49

TW4-11	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
17-Aug-11	820	ND	ND	ND	7.1	48
16-Nov-11	1500	ND	ND	ND	7.1	46
24-Jan-12	610	ND	ND	ND	6.8	43
13-Jun-12	660	ND	ND	ND	6.7	52
13-Sep-12	740	ND	ND	ND	3	49
4-Oct-12	730	ND	ND	ND	7	50
13-Feb-13	867	3.23	ND	ND	6.83	47.3
18-Jun-13	788	ND	ND	ND	7.42	49.7
12-Sep-13	865	ND	ND	ND	7.8	46.6
13-Nov-13	874	ND	ND	ND	8.01	46.7
5-Feb-14	785	5.19	ND	ND	8.47	48.5
23-May-14	751	ND	ND	ND	6.92	51.6
27-Aug-14	719	ND	1.2	ND	5.4	48
29-Oct-14	803	ND	ND	ND	7.33	56.4
9-Mar-15	2450	1.24	ND	ND	8.72	49.8
8-Jun-15	2710	ND	ND	ND	8.48	62.2
31-Aug-15	1120	ND	1.62	ND	9.61	73.1
19-Oct-15	2730	ND	ND	ND	7.5	55.3
9-Mar-16	2660	1.2	ND	ND	7.13	55.5
23-May-16	3340	2.19	ND	ND	7.81	56.4
25-Jul-16	3200	ND	ND	ND	8.83	55.3
12-Oct-16	3180	1.58	ND	ND	8.92	57.2
8-Mar-17	3310	1.71	ND	ND	8.12	49.8
13-Jun-17	3370	1.83	ND	ND	7.92	51.4
26-Jul-17	3290	1.81	ND	ND	7.78	51.0
11-Oct-17	2880	1.48	ND	ND	7.79	49.7
12-Mar-18	3090	1.82	ND	ND	7.89	54.0
8-Jun-18	2800	1.34	ND	ND	7.51	52.6
22-Aug-18	3050	1.47	ND	ND	7.15	53.3
28-Nov-18	2930	1.33	ND	ND	6.85	45.4
8-Mar-19	2820	1.48	ND	ND	7.50	46.8
5-Jun-19	2970	1.52	1.40	ND	8.30	45.3
4-Sep-19	2790	ND	ND	ND	7.15	48.8
10-Dec-19	3250	ND	ND	ND	7.14	49.0
19-Feb-20	2990	ND	ND	ND	7.07	51.9
27-May-20	2810	1.37	ND	ND	7.56	48.6

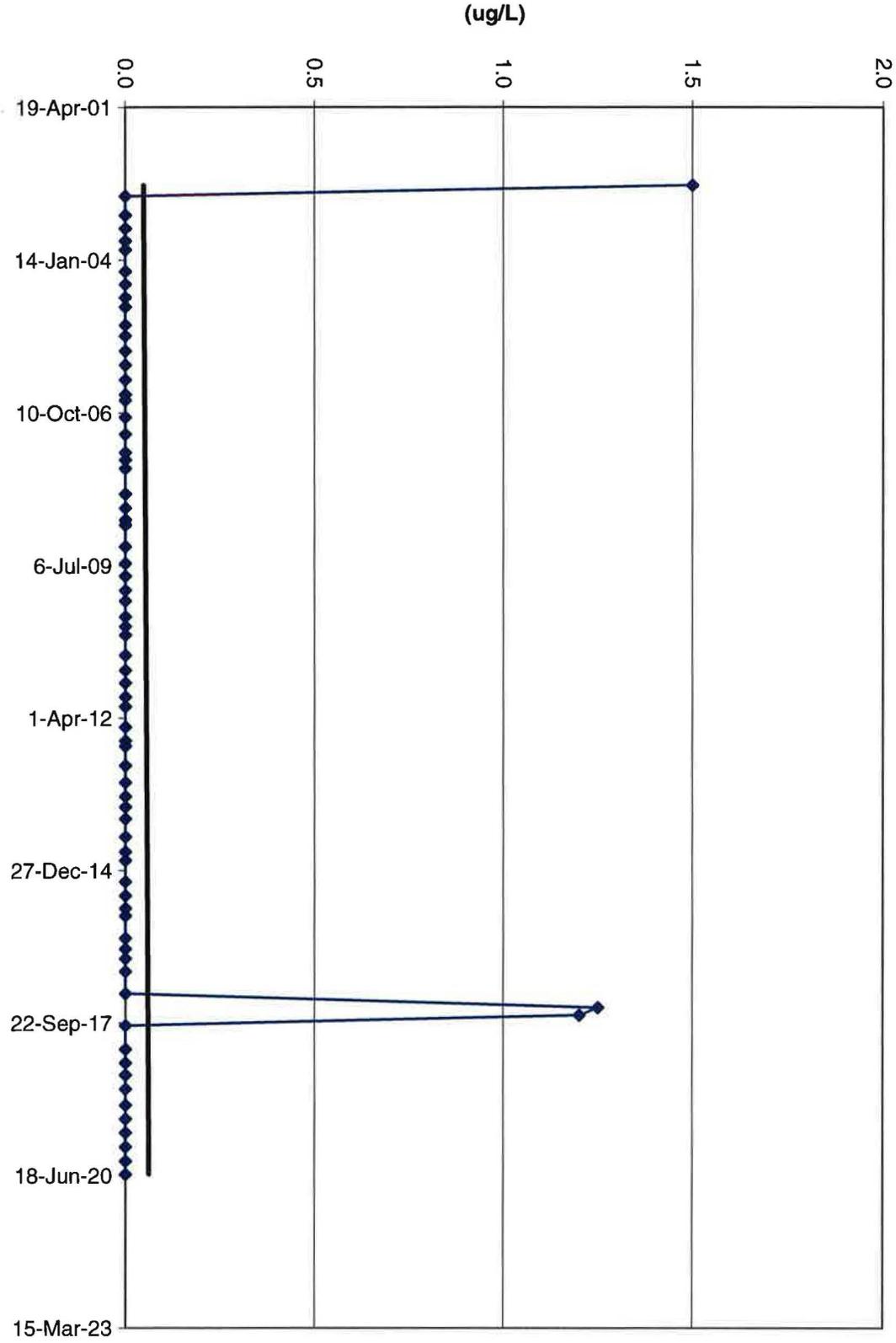
TW4-11 Chloroform Values



TW4-12	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	2				2.54	
24-Nov-02	0				2.2	
28-Mar-03	0				1.9	
23-Jun-03	0				1.8	
12-Sep-03	0				1.8	
9-Nov-03	0				1.6	
29-Mar-04	0				1.58	
22-Jun-04	0				1.4	
17-Sep-04	0				1.24	
17-Nov-04	0				1.5	
16-Mar-05	0				1.4	
25-May-05	<1	NA	NA	NA	1.6	NA
31-Aug-05	<1	<1	5.8	<1	1.5	NA
1-Dec-05	<1	<1	1.9	<2	1.4	NA
9-Mar-06	<1	<1	2.6	<1	1.3	19
14-Jun-06	<1	<1	1.4	<1	1.4	16
20-Jul-06	<1	<1	<1	<1	1.4	16
8-Nov-06	<1	<1	<1	<1	1.4	16
28-Feb-07	<1	<1	<1	<1	1.5	16
27-Jun-07	<1	<1	<1	<1	1.5	18
15-Aug-07	<1	<1	<1	<1	1.4	29
10-Oct-07	<1	<1	<1	<1	1.4	16
26-Mar-08	<1	<1	<1	<1	1.6	16
25-Jun-08	<1	<1	<1	<1	2.69	19
10-Sep-08	<1	<1	<1	<1	2.65	18
15-Oct-08	<1	<1	<1	<1	2.47	22
4-Mar-09	<1	<1	<1	<1	2.4	23
24-Jun-09	<1	<1	<1	<1	3.8	22
15-Sep-09	<1	<1	<1	<1	5.1	22
16-Dec-09	<1	<1	<1	<1	3.6	23
23-Feb-10	<1	<1	<1	<1	4	22
8-Jun-10	<1	<1	<1	<1	11	29
10-Aug-10	<1	<1	<1	<1	9	35
5-Oct-10	<1	<1	<1	<1	8	31
15-Feb-11	ND	ND	ND	ND	6.5	31
25-May-11	ND	ND	ND	ND	7	32
16-Aug-11	ND	ND	ND	ND	6.8	31
15-Nov-11	ND	ND	ND	ND	8	30
17-Jan-12	ND	ND	ND	ND	7.7	28

TW4-12	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
31-May-12	ND	ND	ND	ND	10	34
29-Aug-12	ND	ND	ND	ND	13	39
3-Oct-12	ND	ND	ND	ND	13	39
7-Feb-13	ND	ND	ND	ND	12.6	36.7
29-May-13	ND	ND	ND	ND	14.2	38.6
29-Aug-13	ND	ND	ND	ND	17.4	41.7
6-Nov-13	ND	ND	ND	ND	16.4	41.4
22-Jan-14	ND	ND	ND	ND	18.4	41.6
21-May-14	ND	ND	ND	ND	17	40.2
27-Aug-14	ND	ND	ND	ND	13	47
23-Oct-14	ND	ND	ND	ND	16.1	50.2
11-Mar-15	ND	ND	ND	ND	19.2	50.6
10-Jun-15	ND	ND	ND	ND	18.8	56
2-Sep-15	ND	ND	ND	ND	16.4	60.2
21-Oct-15	ND	ND	ND	ND	18	51.0
15-Mar-16	ND	ND	ND	ND	34.8	56.2
25-May-16	ND	ND	ND	ND	30.7	66.4
27-Jul-16	ND	ND	ND	ND	37.7	67.5
19-Oct-16	ND	ND	ND	ND	25.8	72.6
14-Mar-17	ND	ND	ND	ND	25.9	62.6
14-Jun-17	1.25	ND	ND	ND	29.9	67.2
2-Aug-17	1.20	ND	ND	ND	25.1	65.3
10-Oct-17	ND	ND	ND	ND	26.9	56.2
14-Mar-18	ND	ND	ND	ND	19.8	59.5
12-Jun-18	ND	ND	ND	ND	18.4	53.6
29-Aug-18	ND	ND	ND	ND	13.6	59.9
30-Nov-18	ND	ND	ND	ND	10.4	56.1
16-Mar-19	ND	ND	ND	ND	10.1	50.8
13-Jun-19	ND	ND	ND	ND	8.31	55.3
11-Sep-19	ND	ND	ND	ND	8.88	52.6
14-Dec-19	ND	ND	ND	ND	8.04	58.0
17-Mar-20	ND	ND	ND	ND	6.39	53.0
10-Jun-20	ND	ND	ND	ND	4.95	51.7

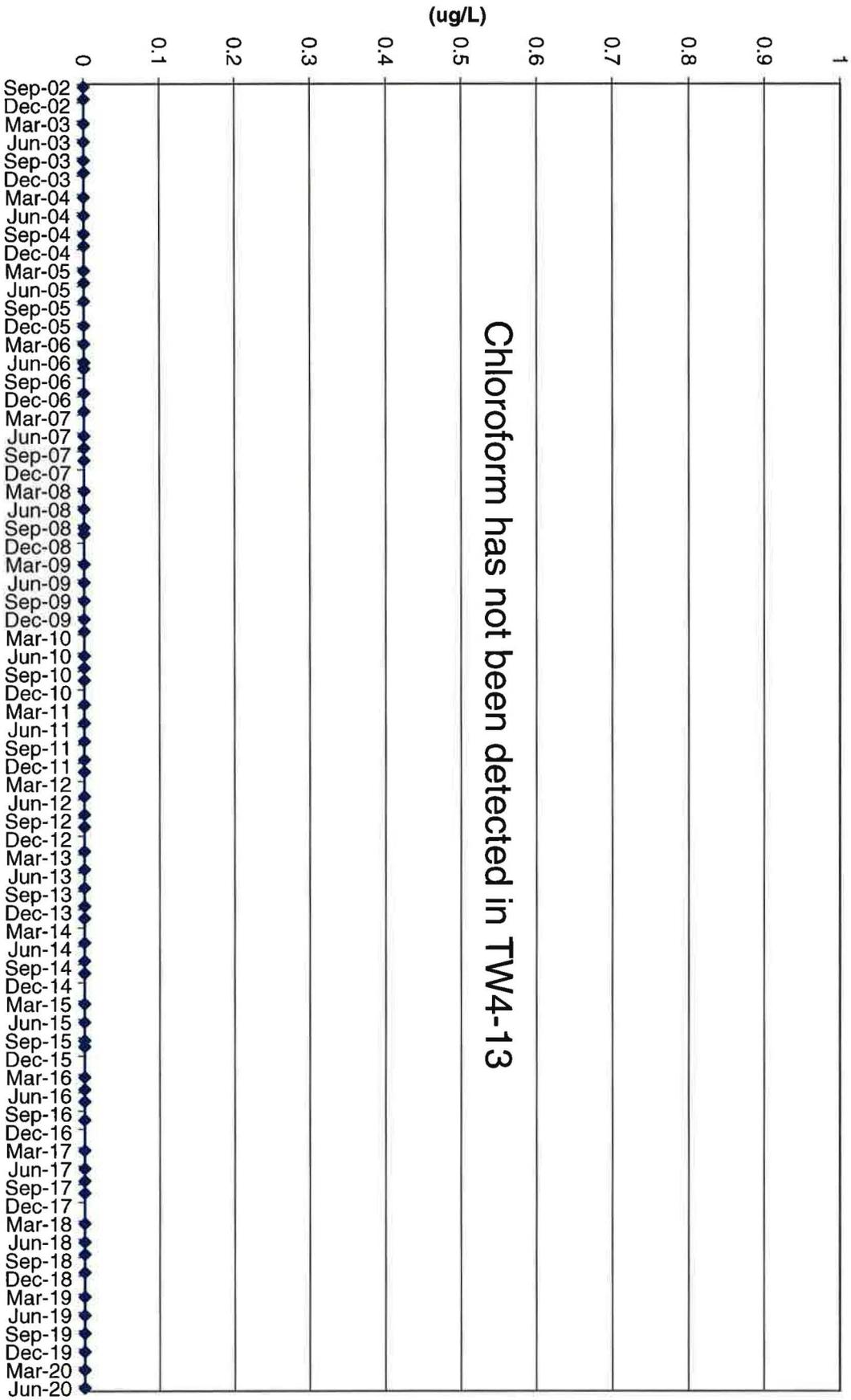
TW4-12 Chloroform Values



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				0.20	
23-Jun-03	ND				0.20	
12-Sep-03	ND				ND	
9-Nov-03	ND				0.90	
29-Mar-04	ND				0.12	
22-Jun-04	ND				0.17	
17-Sep-04	ND				4.43	
17-Nov-04	ND				4.70	
16-Mar-05	ND				4.20	
25-May-05	<1	NA	NA	NA	4.30	NA
31-Aug-05	<1	<1	3.1	<1	4.60	NA
1-Dec-05	<1	<1	<1	<1	4.30	NA
9-Mar-06	<1	<1	1.7	<1	4.20	67.0
14-Jun-06	<1	<1	1.4	<1	4.90	66.0
20-Jul-06	<1	<1	<1	<1	4.30	65.0
8-Nov-06	<1	<1	<1	<1	0.80	33.0
28-Feb-07	<1	<1	<1	<1	4.00	59.0
27-Jun-07	<1	<1	<1	<1	4.60	59.0
15-Aug-07	<1	<1	<1	<1	4.40	58.0
10-Oct-07	<1	<1	<1	<1	4.10	58.0
26-Mar-08	<1	<1	<1	<1	3.80	54.0
25-Jun-08	<1	<1	<1	<1	4.24	58.0
10-Sep-08	<1	<1	<1	<1	4.26	50.0
15-Oct-08	<1	<1	<1	<1	4.63	58.0
4-Mar-09	<1	<1	<1	<1	3.70	58.0
24-Jun-09	<1	<1	<1	<1	1.20	57.0
15-Sep-09	<1	<1	<1	<1	4.70	63.0
16-Dec-09	<1	<1	<1	<1	4.10	60.0
24-Feb-10	<1	<1	<1	<1	4.30	53.0
8-Jun-10	<1	<1	<1	<1	5.20	52.0
10-Aug-10	<1	<1	<1	<1	5.60	55.0
5-Oct-10	<1	<1	<1	<1	5.80	55.0
15-Feb-11	ND	ND	ND	ND	5.50	60.0
25-May-11	ND	ND	ND	ND	5.40	56.0
16-Aug-11	ND	ND	ND	ND	5.20	60.0
15-Nov-11	ND	ND	ND	ND	5.90	54.0
17-Jan-12	ND	ND	ND	ND	5.50	55.0
31-May-12	ND	ND	ND	ND	6.00	59.0
29-Aug-12	ND	ND	ND	ND	6.20	60.0
3-Oct-12	ND	ND	ND	ND	5.90	60.0

TW4-13	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
7-Feb-13	ND	ND	ND	ND	6.31	59.3
29-May-13	ND	ND	ND	ND	6.84	56
29-Aug-13	ND	ND	ND	ND	7.16	63.5
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	4.80	62
23-Oct-14	ND	ND	ND	ND	6.28	66.1
11-Mar-15	ND	ND	ND	ND	7.09	66.4
10-Jun-15	ND	ND	ND	ND	6.32	70.3
2-Sep-15	ND	ND	ND	ND	5.70	76.5
21-Oct-15	ND	ND	ND	ND	5.78	65.5
16-Mar-16	ND	ND	ND	ND	7.97	69.4
25-May-16	ND	ND	ND	ND	5.87	71.8
28-Jul-16	ND	ND	ND	ND	6.14	69.3
19-Oct-16	ND	ND	ND	ND	6.20	70.9
15-Mar-17	ND	ND	ND	ND	6.05	66.0
15-Jun-17	ND	ND	ND	ND	6.49	70.4
2-Aug-17	ND	ND	ND	ND	6.15	70.5
10-Oct-17	ND	ND	ND	ND	6.17	60.9
14-Mar-18	ND	ND	ND	ND	5.76	71.0
12-Jun-18	ND	ND	ND	ND	6.24	65.0
29-Aug-18	ND	ND	ND	ND	5.13	73.7
30-Nov-18	ND	ND	ND	ND	5.29	64.5
16-Mar-19	ND	ND	ND	ND	5.74	61.6
13-Jun-19	ND	ND	ND	ND	6.56	65.4
13-Sep-19	ND	ND	ND	ND	5.19	65.3
14-Dec-19	ND	ND	ND	ND	5.17	68.7
17-Mar-20	ND	ND	ND	ND	5.50	63.9
11-Jun-20	ND	ND	ND	ND	5.96	62.7

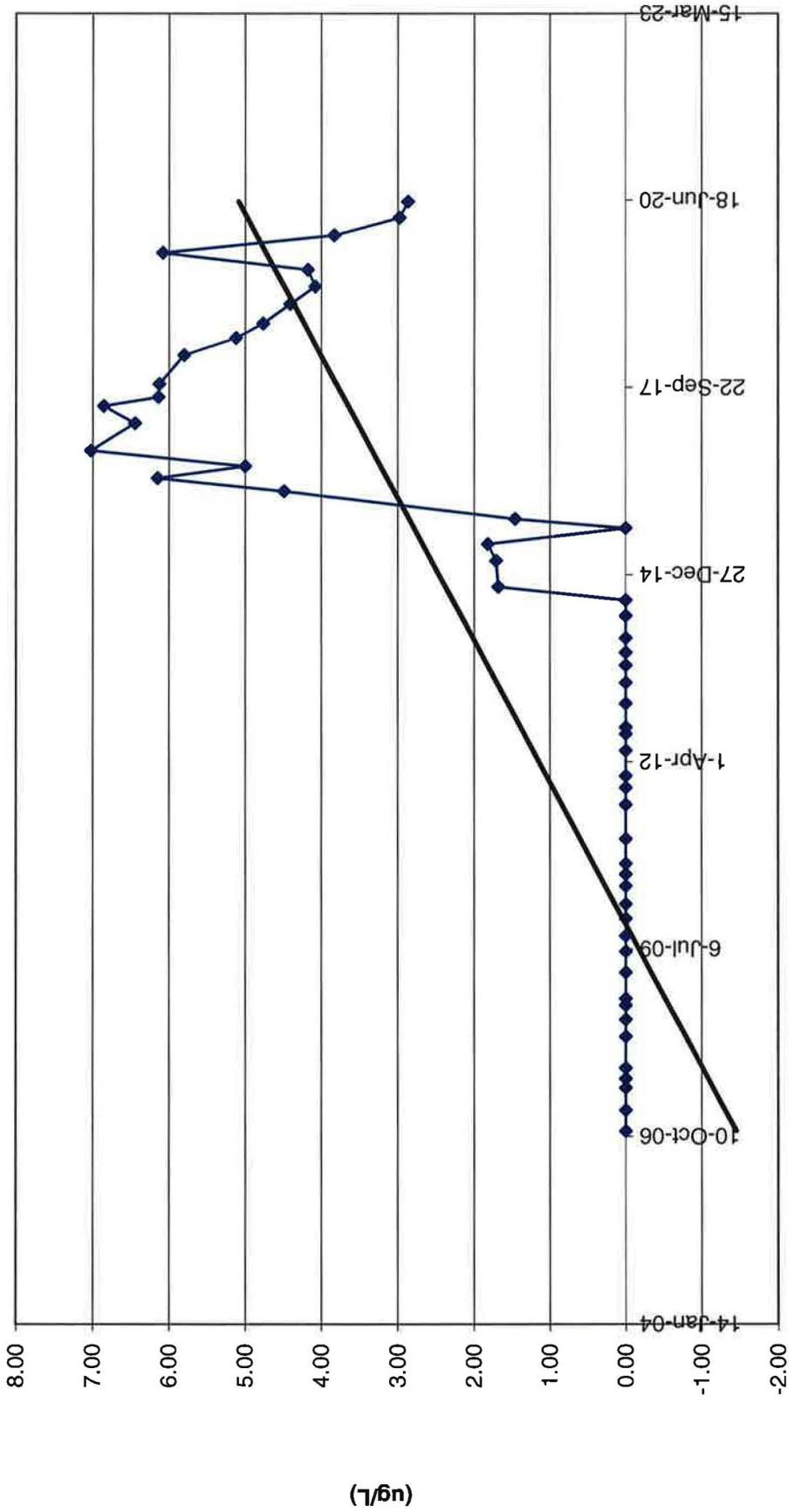
TW4-13 Chloroform Values



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	2.40	37.0
28-Feb-07	<1	<1	<1	<1	2.30	38.0
27-Jun-07	<1	<1	<1	<1	1.40	38.0
15-Aug-07	<1	<1	<1	<1	1.10	36.0
10-Oct-07	<1	<1	<1	<1	0.80	36.0
26-Mar-08	<1	<1	<1	<1	0.04	57.0
25-Jun-08	<1	<1	<1	<1	1.56	35.0
10-Sep-08	<1	<1	<1	<1	1.34	34.0
15-Oct-08	<1	<1	<1	<1	0.76	40.0
4-Mar-09	<1	<1	<1	<1	1.60	35.0
24-Jun-09	<1	<1	<1	<1	1.40	36.0
15-Sep-09	<1	<1	<1	<1	1.50	38.0
16-Dec-09	<1	<1	<1	<1	1.40	34.0
3-Mar-10	<1	<1	<1	<1	2.50	33.0
8-Jun-10	<1	<1	<1	<1	2.90	49.0
10-Aug-10	<1	<1	<1	<1	2.80	35.0
6-Oct-10	<1	<1	<1	<1	2.90	29.0
15-Feb-11	ND	ND	ND	ND	1.80	25.0
16-Aug-11	ND	ND	ND	ND	2.60	33.0
15-Nov-11	ND	ND	ND	ND	1.70	15.0
17-Jan-12	ND	ND	ND	ND	1.90	20.0
31-May-12	ND	ND	ND	ND	3.30	35.0
29-Aug-12	ND	ND	ND	ND	3.90	37.0
3-Oct-12	ND	ND	ND	ND	4.20	37.0
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	4.10	38.0
23-Oct-14	1.68	ND	ND	ND	5.22	38.9
12-Mar-15	1.71	ND	ND	ND	5.22	40.1
10-Jun-15	1.82	ND	ND	ND	3.55	41.8
3-Sep-15	ND	ND	ND	ND	2.77	42.4
21-Oct-15	1.46	ND	ND	ND	2.45	40.6
16-Mar-16	4.49	ND	ND	2.18	2.94	42.4
26-May-16	6.15	ND	ND	3.18	2.45	43.6
28-Jul-16	5.00	ND	ND	1.80	2.88	42.4

TW4-14	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
20-Oct-16	7.02	ND	ND	1.59	2.86	45.6
15-Mar-17	6.45	ND	ND	ND	4.36	45.4
15-Jun-17	6.85	ND	ND	ND	5.12	46.9
2-Aug-17	6.14	ND	ND	ND	4.84	46.4
10-Oct-17	6.13	ND	ND	ND	4.73	42.5
15-Mar-18	5.80	ND	ND	ND	5.67	51.5
13-Jun-18	5.12	ND	ND	ND	6.36	46.9
30-Aug-18	4.76	ND	ND	ND	5.34	54.1
12-Dec-18	4.41	ND	ND	ND	5.85	48.7
16-Mar-19	4.08	ND	ND	ND	6.16	48.7
13-Jun-19	4.18	ND	ND	ND	5.86	48.3
11-Sep-19	6.08	ND	ND	ND	4.77	45.4
14-Dec-19	3.83	ND	ND	ND	4.76	49.4
17-Mar-20	2.98	ND	ND	ND	6.17	48.4
11-Jun-20	2.87	ND	ND	ND	6.57	47.6

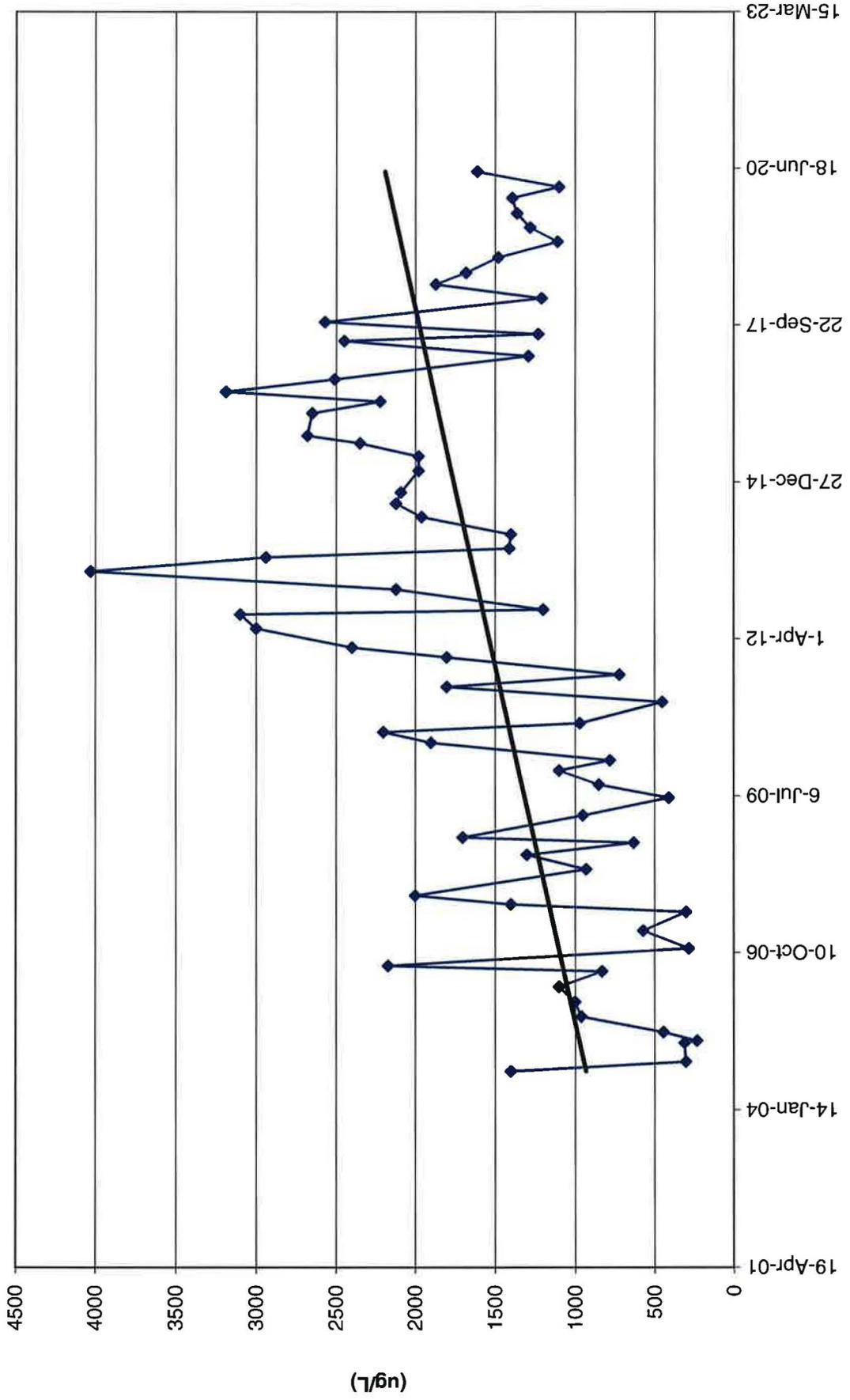
TW4-14 Chloroform Values



MW-26	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	3				ND	
24-Nov-02	0				ND	
28-Mar-03	0				0.1	
23-Jun-03	7800				14.5	
15-Aug-03	7400				16.8	
12-Sep-03	2500				2.7	
25-Sep-03	2600				2.5	
29-Oct-03	3100				3.1	
8-Nov-03	3000				2.8	
29-Mar-04	NA				NA	
22-Jun-04	NA				NA	
17-Sep-04	1400				0.53	
17-Nov-04	300				0.2	
16-Mar-05	310				0.3	
30-Mar-05	230				0.2	
25-May-05	442	NA	NA	NA	0.2	NA
31-Aug-05	960	<5	5.4	<5	0.2	NA
1-Dec-05	1000	<50	<50	<50	0.3	NA
9-Mar-06	1100	<50	<50	<50	0.2	52
14-Jun-06	830	<50	<50	<50	0.2	52
20-Jul-06	2170	<50	<50	<50	1.4	65
8-Nov-06	282	<1	<1	2.8	0.3	54
28-Feb-07	570	<1	<1	5.5	0.5	56
27-Jun-07	300	<1	<1	13	0.4	49
15-Aug-07	1400	<1	<1	36	1	57
10-Oct-07	2000	<1	<1	14	0.6	57
26-Mar-08	930	<1	<1	40	0.1	49
25-Jun-08	1300	<1	<1	53	0.56	57
10-Sep-08	630	<1	<1	24	0.24	44
15-Oct-08	1700	<1	<1	100	0.65	64
4-Mar-09	950	<1	<1	51	0.4	49
24-Jun-09	410	<1	<1	12	0.2	48
15-Sep-09	850	<1	<1	30	0.1	46
14-Dec-09	1100	<1	<1	40	2.3	60
17-Feb-10	780	<1	<1	19	0.2	57
9-Jun-10	1900	<1	<1	28	1.1	58
16-Aug-10	2200	<1	<1	21	0.6	49
11-Oct-10	970	<1	<1	6.5	0.7	65
23-Feb-11	450	ND	ND	3.6	0.5	57

MW-26	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
31-May-11	1800	ND	ND	1.3	0.4	88
17-Aug-11	720	ND	ND	7.2	0.9	58
5-Dec-11	1800	ND	ND	2.9	2	69
7-Feb-12	2400	ND	ND	16	1.7	98
6-Jun-12	3000	ND	ND	21	2.5	73
4-Sep-12	3100	ND	ND	31	2.6	73
4-Oct-12	1200	ND	ND	4	1.8	68
11-Feb-13	2120	ND	ND	9.34	2.27	81.9
5-Jun-13	4030	ND	ND	52.4	2.11	77.9
3-Sep-13	2940	ND	ND	33.2	1.18	60.5
29-Oct-13	1410	ND	ND	4.03	1.38	72.3
27-Jan-14	1400	ND	ND	13.8	0.549	59.4
19-May-14	1960	ND	ND	15.4	0.928	53.4
11-Aug-14	2120	ND	8.7	26	0.7	59
21-Oct-14	2090	ND	ND	23.2	0.934	60.1
9-Mar-15	1980	ND	ND	27.4	0.732	56.5
8-Jun-15	1980	ND	ND	11.2	0.419	62
31-Aug-15	2350	ND	4.05	11.6	0.684	69.6
19-Oct-15	2680	ND	1.32	8.28	0.991	62.6
9-Mar-16	2650	ND	1.32	4.66	1.45	68.3
23-May-16	2220	ND	ND	4.57	1.12	66.2
25-Jul-16	3190	ND	ND	7.81	1.57	66.4
12-Oct-16	2510	ND	ND	4.31	1.18	66.2
8-Mar-17	1290	ND	ND	7.65	0.768	58.4
13-Jun-17	2450	ND	ND	7.59	0.922	64.3
26-Jul-17	1230	ND	ND	5.26	1.56	61.4
11-Oct-17	2570	ND	ND	7.83	1.18	62.2
12-Mar-18	1210	ND	ND	2.14	1.57	60.3
8-Jun-18	1870	ND	ND	9.19	0.901	58.7
22-Aug-18	1680	ND	ND	ND	2.80	91.4
28-Nov-18	1480	ND	ND	ND	1.96	85.5
8-Mar-19	1110	ND	ND	2.20	1.85	69.9
5-Jun-19	1280	ND	ND	1.19	2.83	80.7
4-Sep-19	1360	ND	ND	1.93	3.08	76.2
10-Dec-19	1390	ND	ND	1.78	0.977	83.2
19-Feb-20	1100	ND	ND	ND	1.17	88.9
27-May-20	1610	ND	ND	3.92	2.93	77.6

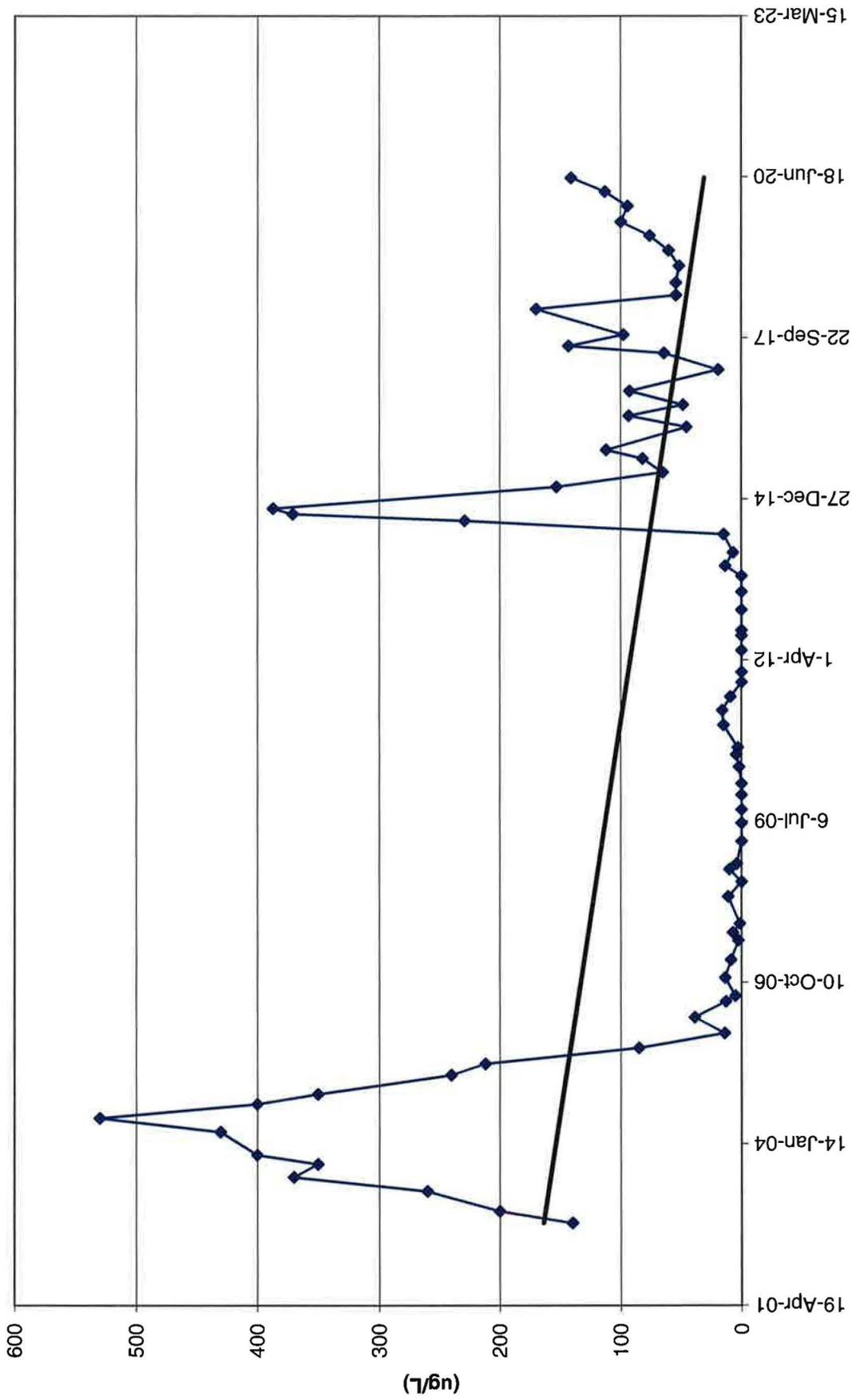
MW-26 Chloroform Values



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	<1	1.1	21	3	60
14-Jun-06	13	<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	<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	<1	<1	<1	3.3	72
22-Feb-11	15	ND	ND	ND	7	86
26-May-11	16	ND	ND	ND	5	81
17-Aug-11	9.2	ND	ND	ND	1.7	63
16-Nov-11	ND	ND	ND	1.4	0.4	38
18-Jan-12	ND	ND	ND	1.7	0.1	48

TW4-16	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
31-May-12	ND	ND	ND	ND	ND	53
30-Aug-12	ND	ND	ND	ND	ND	59
3-Oct-12	ND	ND	ND	3	ND	53
7-Feb-13	ND	ND	ND	3	ND	58.1
30-May-13	ND	ND	ND	4.21	ND	49.8
5-Sep-13	ND	ND	ND	ND	ND	54.4
7-Nov-13	13.4	ND	ND	ND	1.37	56.6
29-Jan-14	6.9	ND	ND	ND	3.16	66.8
22-May-14	14.6	ND	ND	ND	4.94	80.7
14-Aug-14	229	ND	ND	ND	5.1	80
24-Sep-14	371	ND	ND	ND	N/A	N/A
29-Oct-14	387	ND	ND	ND	8.40	92.1
12-Mar-15	153	ND	ND	ND	4.30	65.3
11-Jun-15	65.3	ND	ND	ND	1.06	61
3-Sep-15	82	ND	ND	ND	1.18	65.8
28-Oct-15	112	ND	ND	ND	1.69	58.3
17-Mar-16	45.9	ND	ND	ND	1.63	56.5
26-May-16	93.4	ND	ND	ND	1.89	61.3
3-Aug-16	49	ND	ND	ND	2.20	60
26-Oct-16	92.9	ND	ND	ND	2.78	66.7
8-Mar-17	19.1	ND	ND	ND	2.75	62.2
20-Jun-17	64.3	ND	ND	ND	1.81	60.6
3-Aug-17	143	ND	ND	ND	2.63	67.1
11-Oct-17	97.8	ND	ND	ND	2.12	54.2
20-Mar-18	170	ND	ND	ND	4.55	85.1
14-Jun-18	54.5	ND	ND	ND	2.83	62.5
30-Aug-18	54.5	ND	ND	ND	2.53	73.0
12-Dec-18	52.0	ND	ND	ND	2.88	68.8
19-Mar-19	60.6	ND	ND	ND	3.36	66.3
19-Jun-19	76.2	ND	ND	ND	2.43	71.5
12-Sep-19	99.8	ND	ND	ND	3.55	72.9
18-Dec-19	94.3	ND	ND	ND	3.37	88.6
18-Mar-20	113	ND	ND	ND	3.91	76.2
12-Jun-20	141	ND	ND	ND	4.44	79.7

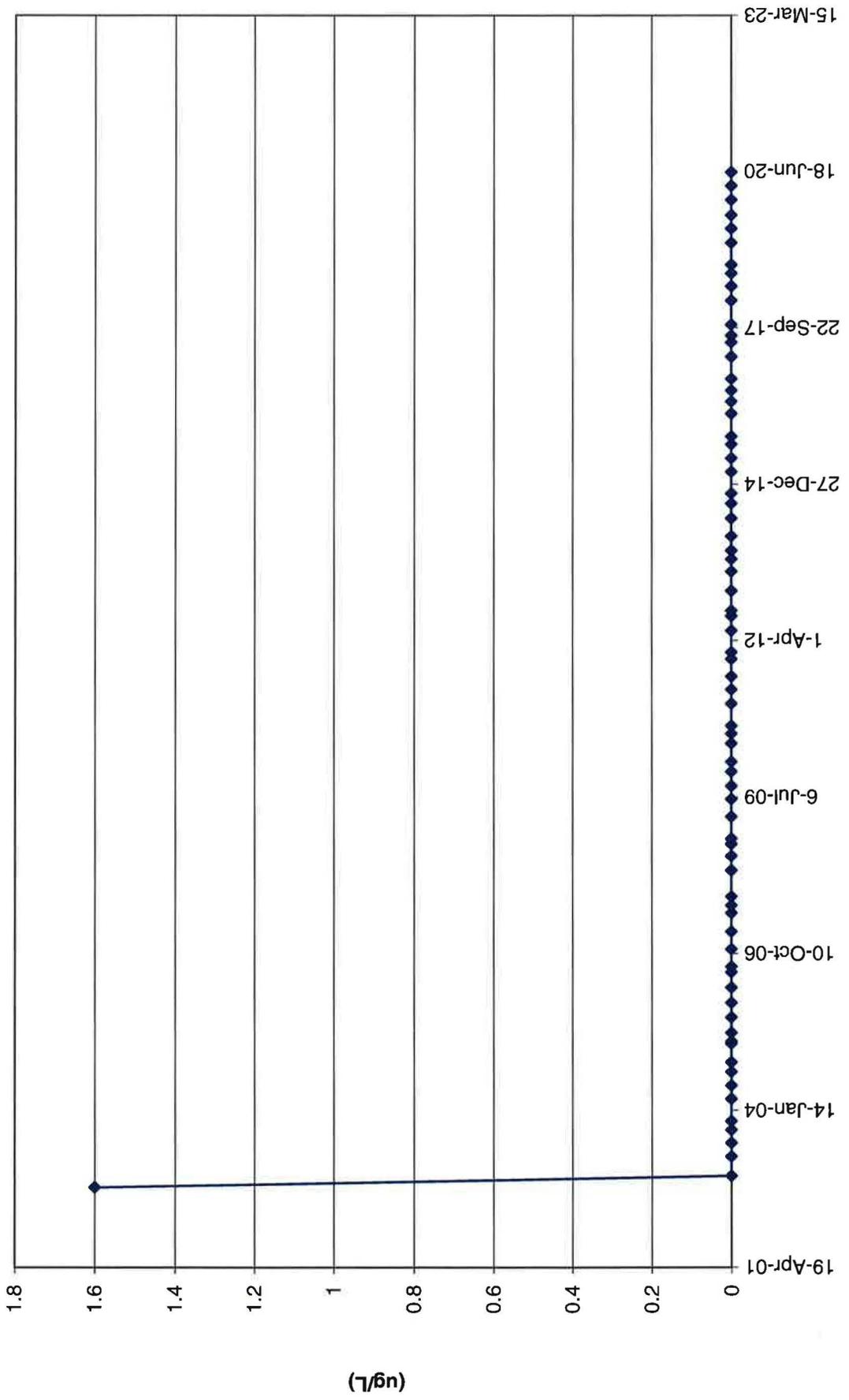
TW4-16 Chloroform Values



MW-32	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	1.6				ND	
24-Nov-02	ND				ND	
28-Mar-03	ND				ND	
23-Jun-03	ND				ND	
12-Sep-03	ND				ND	
8-Nov-03	ND				ND	
29-Mar-04	ND				ND	
22-Jun-04	ND				ND	
17-Sep-04	ND				ND	
17-Nov-04	ND				ND	
16-Mar-05	ND				ND	
30-Mar-05	ND				ND	
25-May-05	<1	NA	NA	NA	<0.1	NA
31-Aug-05	<1	<1	3.2	<1	<0.1	NA
1-Dec-05	<1	<1	<1	<1	<0.1	NA
9-Mar-06	<1	<1	<1	<1	<0.1	32
14-Jun-06	<1	<1	3.5	<1	<0.1	30
20-Jul-06	<1	<1	1.8	<1	<0.1	32
8-Nov-06	<1	<1	1.5	<1	<0.1	31
28-Feb-07	<1	<1	<1	<1	<0.1	32
27-Jun-07	<1	<1	<1	<1	<0.1	32
15-Aug-07	<1	<1	<1	<1	<0.1	31
10-Oct-07	<1	<1	<1	<1	<0.1	32
26-Mar-08	<1	<1	<1	<1	<0.1	31
25-Jun-08	<1	<1	<1	<1	<0.05	29
10-Sep-08	<1	<1	<1	<1	<0.05	30
15-Oct-08	<1	<1	<1	<1	<0.05	26
4-Mar-09	<1	<1	<1	<1	<0.1	30
24-Jun-09	<1	<1	<1	<1	<0.1	31
15-Sep-09	<1	<1	<1	<1	<0.1	33
16-Dec-09	<1	<1	<1	<1	<0.1	34
17-Feb-10	<1	<1	<1	<1	<0.1	38
14-Jun-10	<1	<1	<1	<1	<0.1	32
16-Aug-10	<1	<1	<1	<1	<0.1	28
6-Oct-10	<1	<1	<1	<1	<0.1	24
23-Feb-11	ND	ND	ND	ND	ND	40
25-May-11	ND	ND	ND	ND	ND	31
16-Aug-11	ND	ND	ND	ND	ND	33
6-Dec-11	ND	ND	ND	ND	ND	32

MW-32	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
18-Jan-12	ND	ND	ND	ND	ND	21
4-Jun-12	ND	ND	ND	ND	ND	32
5-Sep-12	ND	ND	ND	ND	ND	33
10-Oct-12	ND	ND	ND	ND	ND	35
13-Feb-13	ND	ND	ND	ND	ND	34.3
18-Jun-13	ND	ND	ND	ND	ND	34.9
4-Sep-13	ND	ND	ND	ND	ND	33
29-Oct-13	ND	ND	ND	ND	ND	35.7
29-Jan-14	ND	ND	ND	ND	ND	34
23-May-14	ND	ND	ND	ND	ND	39.7
26-Aug-14	ND	ND	ND	ND	ND	34
29-Oct-14	ND	ND	ND	ND	ND	34.9
17-Mar-15	ND	ND	ND	ND	ND	36.3
11-Jun-15	ND	ND	ND	ND	ND	35.8
9-Sep-15	ND	ND	ND	ND	ND	37.7
28-Oct-15	ND	ND	ND	ND	ND	34.7
22-Mar-16	ND	ND	ND	ND	ND	36.7
8-Jun-16	ND	ND	ND	ND	ND	37.2
17-Aug-16	ND	ND	ND	ND	ND	37.5
31-Oct-16	ND	ND	ND	ND	ND	36.9
21-Mar-17	ND	ND	ND	ND	ND	33.7
21-Jun-17	ND	ND	ND	ND	ND	37.2
4-Aug-17	ND	ND	ND	ND	ND	38.1
12-Oct-17	ND	ND	ND	ND	ND	32.6
15-Mar-18	ND	ND	ND	ND	ND	39.4
14-Jun-18	ND	ND	ND	ND	ND	34.4
5-Sep-18	ND	ND	ND	ND	ND	41.2
29-Oct-18	ND	ND	ND	ND	ND	32.9
19-Mar-19	ND	ND	ND	ND	ND	35.3
18-Jun-19	ND	ND	ND	ND	ND	36.5
11-Sep-19	ND	ND	ND	ND	ND	33.7
18-Dec-19	ND	ND	ND	ND	ND	36.3
18-Mar-20	ND	ND	ND	ND	ND	36.0
12-Jun-20	ND	ND	ND	ND	ND	35.6

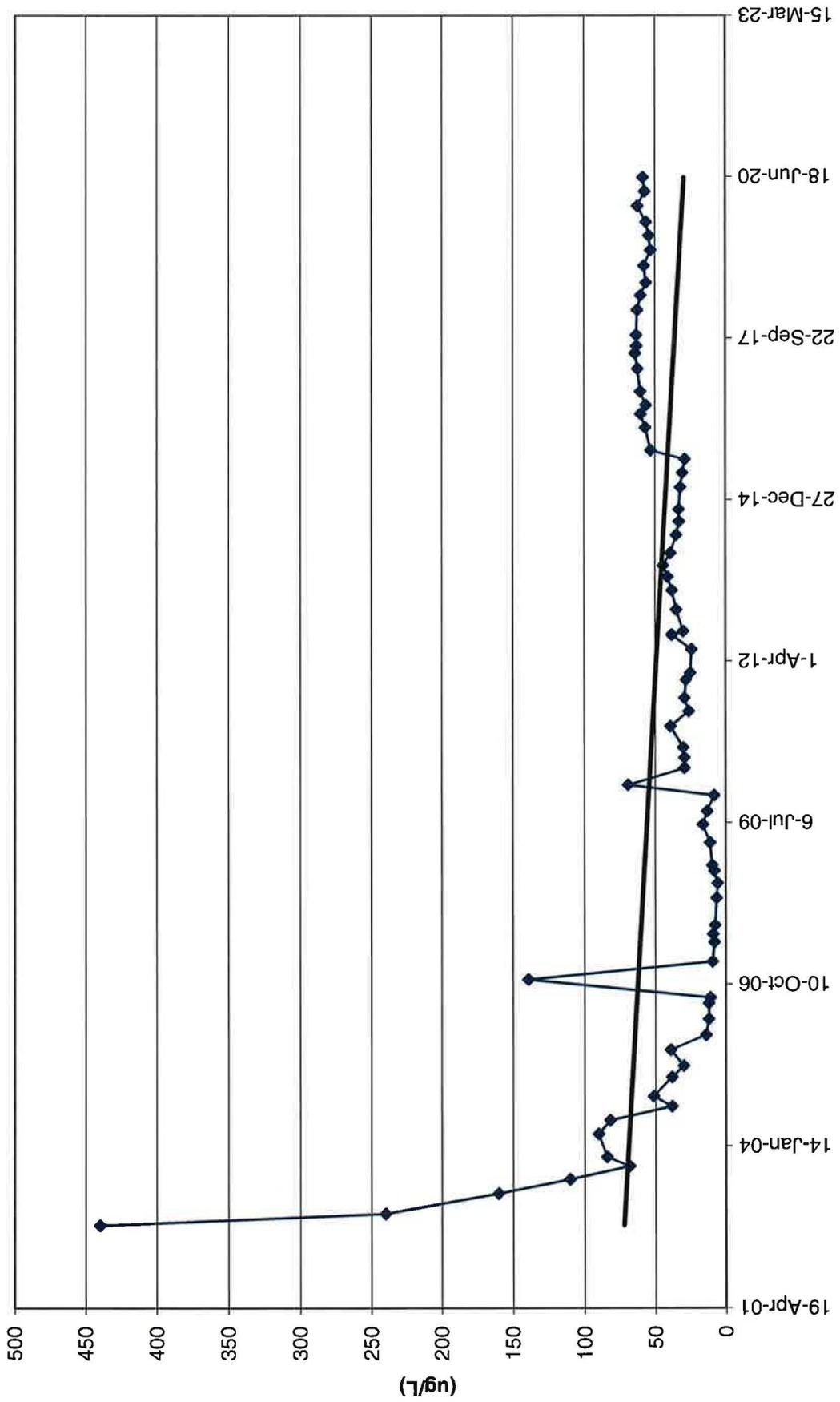
MW-32 Chloroform Values



TW4-18	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	440				1.49	
24-Nov-02	240				13.3	
28-Mar-03	160				13.1	
23-Jun-03	110				19	
12-Sep-03	68.0				19.9	
9-Nov-03	84.0				20.7	
29-Mar-04	90.0				14	
22-Jun-04	82.0				12.2	
17-Sep-04	38.0				14.5	
17-Nov-04	51.0				17.3	
16-Mar-05	38.0				14.1	
25-May-05	29.8	NA	NA	NA	12.9	NA
31-Aug-05	39	<1	2.8	<1	13.3	NA
1-Dec-05	14	<1	1.1	<1	7.3	NA
9-Mar-06	12.0	<1	1.1	<1	5.9	5.9
14-Jun-06	12.0	<1	1.6	<1	4.7	35
20-Jul-06	10.8	<1	2.7	<1	6.1	35
8-Nov-06	139	<1	<1	<1	8.7	34
28-Feb-07	9.2	<1	<1	<1	5.1	30
27-Jun-07	8.0	<1	<1	<1	4.9	28
15-Aug-07	8.9	<1	<1	<1	5	32
10-Oct-07	7.4	<1	<1	<1	4.4	27
26-Mar-08	6.4	<1	<1	<1	0.7	23
25-Jun-08	5.7	<1	<1	<1	4.55	23
10-Sep-08	8.0	<1	<1	<1	4.68	26
15-Oct-08	9.4	<1	<1	<1	5,15	30
4-Mar-09	11.0	<1	<1	<1	5.2	29
24-Jun-09	16.0	<1	<1	<1	6.2	30
15-Sep-09	13.0	<1	<1	<1	5.9	26
22-Dec-09	8.2	<1	<1	<1	5.4	30
24-Feb-10	69.0	<1	<1	<1	5.1	41
9-Jun-10	29.0	<1	<1	<1	9	35
12-Aug-10	29.0	<1	<1	<1	9	37
13-Oct-10	30.0	<1	<1	<1	10	50
22-Feb-11	39.0	ND	ND	ND	10	52
26-May-11	26.0	ND	ND	ND	9	36
17-Aug-11	29.0	ND	ND	ND	4.6	23
7-Dec-11	28.0	ND	ND	ND	6.3	23
19-Jan-12	25.0	ND	ND	ND	4.4	18

TW4-18	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
13-Jun-12	24.0	ND	ND	ND	6.6	30
11-Sep-12	38.0	ND	ND	ND	6.6	26
3-Oct-12	30.0	ND	ND	ND	6	27
13-Feb-13	34.9	ND	ND	ND	5.58	23.1
13-Jun-13	37.9	ND	ND	ND	8.86	22.9
5-Sep-13	41.0	ND	ND	ND	12.1	36.2
13-Nov-13	44.3	ND	ND	ND	14.2	37.1
30-Jan-14	38.9	ND	ND	ND	12.8	40.9
22-May-14	34.8	ND	ND	ND	12.2	47
14-Aug-14	32.8	ND	ND	ND	9.8	49
28-Oct-14	33.0	ND	ND	ND	11.1	40.8
12-Mar-15	32.0	ND	ND	ND	11.7	41.6
11-Jun-15	30.5	ND	ND	ND	9.69	43.5
3-Sep-15	28.7	ND	ND	ND	15.7	47.6
28-Oct-15	52.9	ND	ND	ND	6.24	39.4
17-Mar-16	56.6	ND	ND	ND	5.96	40.7
8-Jun-16	60.0	ND	ND	ND	5.43	43.8
3-Aug-16	56.3	ND	ND	ND	5.79	40.7
26-Oct-16	60.1	ND	ND	ND	5.24	43.9
16-Mar-17	62.0	ND	ND	ND	4.47	39.4
20-Jun-17	63.8	ND	ND	ND	4.5	41.6
3-Aug-17	62.8	ND	ND	ND	4.24	40.4
10-Oct-17	62.9	ND	ND	ND	4.43	37.1
15-Mar-18	62.3	ND	ND	ND	4.32	44.3
13-Jun-18	59.9	ND	ND	ND	4.09	39.5
30-Aug-18	56.2	ND	ND	ND	3.51	45.6
13-Dec-18	57.6	ND	ND	ND	3.60	38.2
19-Mar-19	52.8	ND	ND	ND	3.85	37.6
19-Jun-19	54.2	ND	ND	ND	4.01	39.5
11-Sep-19	56.2	ND	ND	ND	3.25	36.8
18-Dec-19	62.0	ND	ND	ND	3.02	42.7
18-Mar-20	57.0	ND	ND	ND	3.71	39.4
12-Jun-20	58.2	ND	ND	ND	3.62	41.4

TW4-18 Chloroform Values

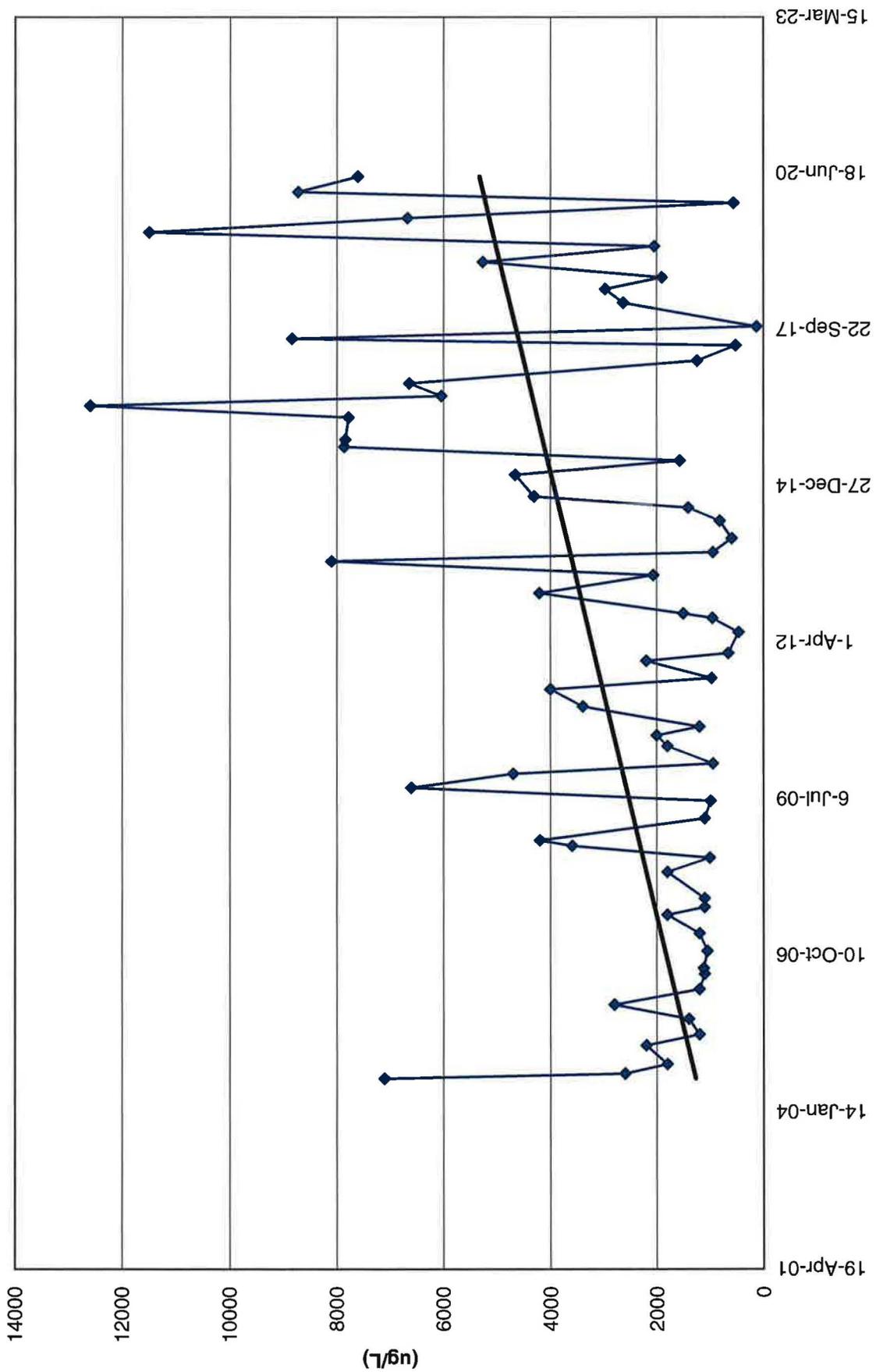


TW4-19	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	7700				47.6	
24-Nov-02	5400				42	
28-Mar-03	4200				61.4	
15-May-03	4700				NA	
23-Jun-03	4500				11.4	
15-Jul-03	2400				6.8	
15-Aug-03	2600				4	
12-Sep-03	2500				5.7	
25-Sep-03	4600				9.2	
29-Oct-03	4600				7.7	
9-Nov-03	2600				4.8	
29-Mar-04	NA				NA	
22-Jun-04	NA				NA	
16-Aug-04	7100				9.91	
17-Sep-04	2600				4.5	
17-Nov-04	1800				3.6	
16-Mar-05	2200				5.3	
25-May-05	1200				5.7	
31-Aug-05	1400	<5	<5	<5	4.6	NA
1-Dec-05	2800	<50	<50	<50	<0.1	NA
9-Mar-06	1200	<50	<50	<50	4	86
14-Jun-06	1100	<50	<50	<50	5.2	116
20-Jul-06	1120	<50	<50	<50	4.3	123
8-Nov-06	1050	1.6	2.6	<1	4.6	134
28-Feb-07	1200	1.3	<1	<1	4	133
27-Jun-07	1800				2.3	
15-Aug-07	1100	1.9	<1	<1	4.1	129
10-Oct-07	1100	1.9	<1	<1	4	132
26-Mar-08	1800	2.9	<1	<1	2.2	131
25-Jun-08	1000	1	<1	<1	2.81	128
10-Sep-08	3600	8.6	<1	<1	36.2	113
15-Oct-08	4200	12	<1	<1	47.8	124
4-Mar-09	1100	1.2	<1	<1	3.2	127
24-Jun-09	990	1.2	<1	<1	2.4	132
15-Sep-09	6600	15	<1	<1	0.1	43
14-Dec-09	4700	16	<1	<1	26.7	124
17-Feb-10	940	1.3	<1	<1	2	144
9-Jun-10	1800	4.2	<1	<1	4.4	132
16-Aug-10	2000	4.9	<1	<1	5.9	142

TW4-19	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
11-Oct-10	1200	1.3	<1	<1	2.7	146
17-Feb-11	3400	17	ND	ND	17	135
7-Jun-11	4000	8.3	ND	ND	12	148
17-Aug-11	970	2.1	ND	ND	3	148
5-Dec-11	2200	5.4	ND	ND	5	148
23-Jan-12	650	1.5	ND	ND	0.6	138
6-Jun-12	460	1.1	ND	ND	2.4	149
5-Sep-12	950	3.5	ND	ND	2.5	149
3-Oct-12	1500	4	ND	ND	4.1	150
11-Feb-13	4210	5.15	ND	ND	7.99	164
5-Jun-13	2070	5.15	ND	ND	2.95	148
3-Sep-13	8100	20.7	ND	ND	17.6	179
29-Oct-13	942	6.42	ND	ND	4.7	134
27-Jan-14	586	4.05	ND	ND	1.62	134
19-May-14	810	5.51	ND	ND	1.34	152
11-Aug-14	1410	1.9	8.3	ND	1.6	140
21-Oct-14	4310	4.8	ND	ND	4.72	130
9-Mar-15	4660	8.92	ND	ND	8.56	238
8-Jun-15	1570	2.62	ND	ND	0.916	180
4-Sep-15	7860	7.78	ND	ND	11.6	326
19-Oct-15	7840	12.2	5.46	ND	10.6	252
9-Mar-16	7780	13.5	1.40	ND	15.7	276
23-May-16	12600	23.1	ND	ND	1.27	204
25-Jul-16	6040	9.89	ND	ND	10.5	214
25-Jul-16	6040	9.89	ND	ND	10.5	214
13-Oct-16	6640	10.8	ND	ND	10.0	200
8-Mar-17	1240	3.06	ND	ND	11.1	461
13-Jun-17	510	1.35	ND	ND	0.243	135
26-Jul-17	8840	13.0	ND	ND	1.12	218
11-Oct-17	129	ND	ND	ND	0.377	139
12-Mar-18	2640	1.36	ND	ND	8.61	193
8-Jun-18	2980	3.45	ND	ND	0.494	138
22-Aug-18	1910	2.03	ND	ND	2.55	166
28-Nov-18	5270	6.18	ND	ND	0.233	140
8-Mar-19	2050	2.43	ND	ND	6.58	197
5-Jun-19	11500	15.90	ND	ND	8.96	160
4-Sep-19	6670	10.10	ND	ND	0.332	153
10-Dec-19	551	ND	ND	ND	0.535	147
19-Feb-20	8720	13.7	5.41	ND	10.1	205

TW4-19	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-May-20	7600	10.4	ND	ND	1.14	147

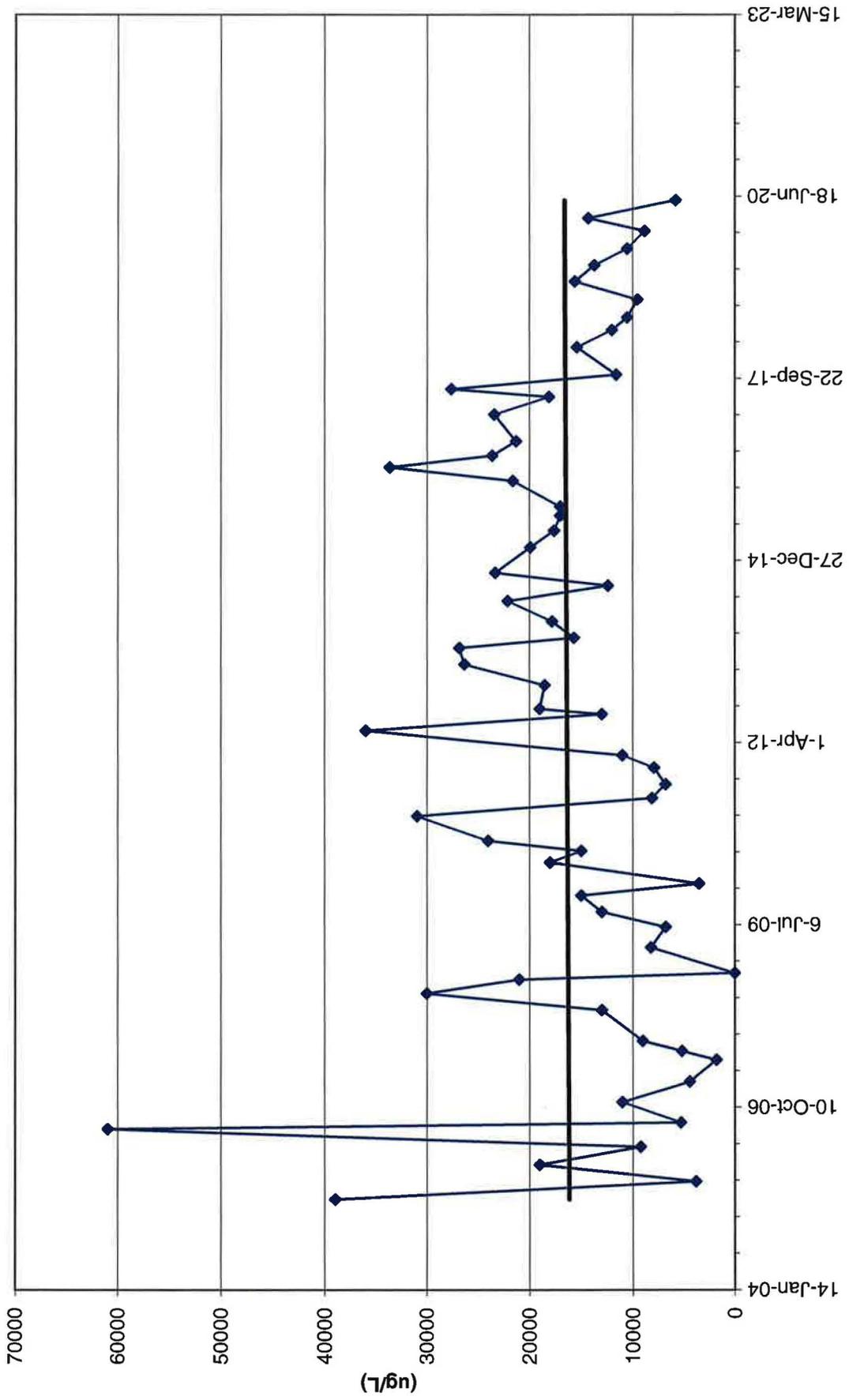
TW4-19 Chloroform Values



TW4-20	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
25-May-05	39000	NA	NA	NA	10.1	NA
31-Aug-05	3800	<10	<10	<10	2.9	NA
1-Dec-05	19000	<250	<250	<250	1.8	NA
9-Mar-06	9200	<500	<500	<500	3.8	120
14-Jun-06	61000	<500	<500	<500	9.4	235
20-Jul-06	5300	<1000	<1000	<1000	2.9	134
8-Nov-06	11000	7.1	1.9	2.2	3.5	124
28-Feb-07	4400	3.1	<1	1.1	4.2	124
27-Jun-07	1800	2.2	<1	<1	2.3	112
15-Aug-07	5200	3.5	<1	1.8	2.1	117
10-Oct-07	9000	6.8	<1	1.9	5.6	170
26-Mar-08	13000	9	<1	1.5	0.9	132
25-Jun-08	30000	13	<1	1.2	7.96	191
10-Sep-08	21000	15	<1	3.7	4.44	156
15-Oct-08	NA	NA	NA	NA	5.51	166
4-Mar-09	8200	5.7	<1	5.2	5.1	164
24-Jun-09	6800	4.9	<2	4.2	2.9	164
15-Sep-09	13000	8.4	<2	4.4	3.3	153
14-Dec-09	15000	14	<1	3	5.3	187
17-Feb-10	3500	2.7	<1	3.2	2	179
14-Jun-10	18000	11	<1	3.7	5.6	200
16-Aug-10	15000	12	<1	2.2	5.3	196
11-Oct-10	24000	20	<1	5.5	4.6	203
23-Feb-11	31000	27	ND	19	4.4	220
1-Jun-11	8100	10	ND	2.1	4.8	177
17-Aug-11	6800	7.3	ND	3.1	6.5	207
16-Nov-11	7900	7.2	ND	2.5	4.2	186
23-Jan-12	11000	10	ND	1.3	7.9	207
6-Jun-12	36000	33	ND	ND	11	262
4-Sep-12	13000	26	ND	ND	10.8	289
3-Oct-12	19000	22	ND	ND	11	302
11-Feb-13	18500	19.6	ND	1.21	9.07	252
5-Jun-13	26300	32.5	ND	1.13	9.76	250
3-Sep-13	26800	25.7	ND	2.14	8.65	260
29-Oct-13	15700	17.3	ND	1.37	9.64	272
27-Jan-14	17800	18.4	ND	2.04	7.56	254
19-May-14	22100	22.1	2.31	3.98	5.95	269
11-Aug-14	12400	14.1	55.2	2.2	4.3	299
21-Oct-14	23300	18.5	4.04	2.38	7.67	292

TW4-20	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
9-Mar-15	19900	20.8	4.85	1.38	9.8	290
8-Jun-15	17600	16.2	13.4	1.73	5.76	296
31-Aug-15	17000	15.1	12.3	ND	9.27	365
19-Oct-15	17000	14.5	10.8	1	6.23	293
9-Mar-16	21600	20.2	4.09	1.16	10.3	293
23-May-16	33700	40.6	ND	ND	11.2	318
25-Jul-16	23600	26.6	ND	ND	11.3	307
12-Oct-16	21300	24.4	ND	ND	11.4	301
8-Mar-17	23400	23.5	ND	ND	12	290
13-Jun-17	18100	23.4	ND	ND	9.76	281
26-Jul-17	27600	25.0	ND	ND	10.8	292
12-Oct-17	11600	11.2	2.34	ND	8.91	293
12-Mar-18	15400	15.9	1.77	2.36	9.5	289
14-Jun-18	12000	ND	ND	7.77	10.4	258
22-Aug-18	10500	9.85	4.98	ND	8.14	282
28-Nov-18	9500	8.32	15.6	ND	9.72	295
8-Mar-19	15600	15.40	ND	ND	6.70	272
5-Jun-19	13700	10.10	ND	ND	9.59	279
4-Sep-19	10500	8.39	ND	ND	10.2	286
10-Dec-19	8790	5.92	2.67	ND	9.75	307
19-Feb-20	14300	8.60	10.7	ND	9.81	310
27-May-20	5800	6.74	1.30	12.3	7.23	301

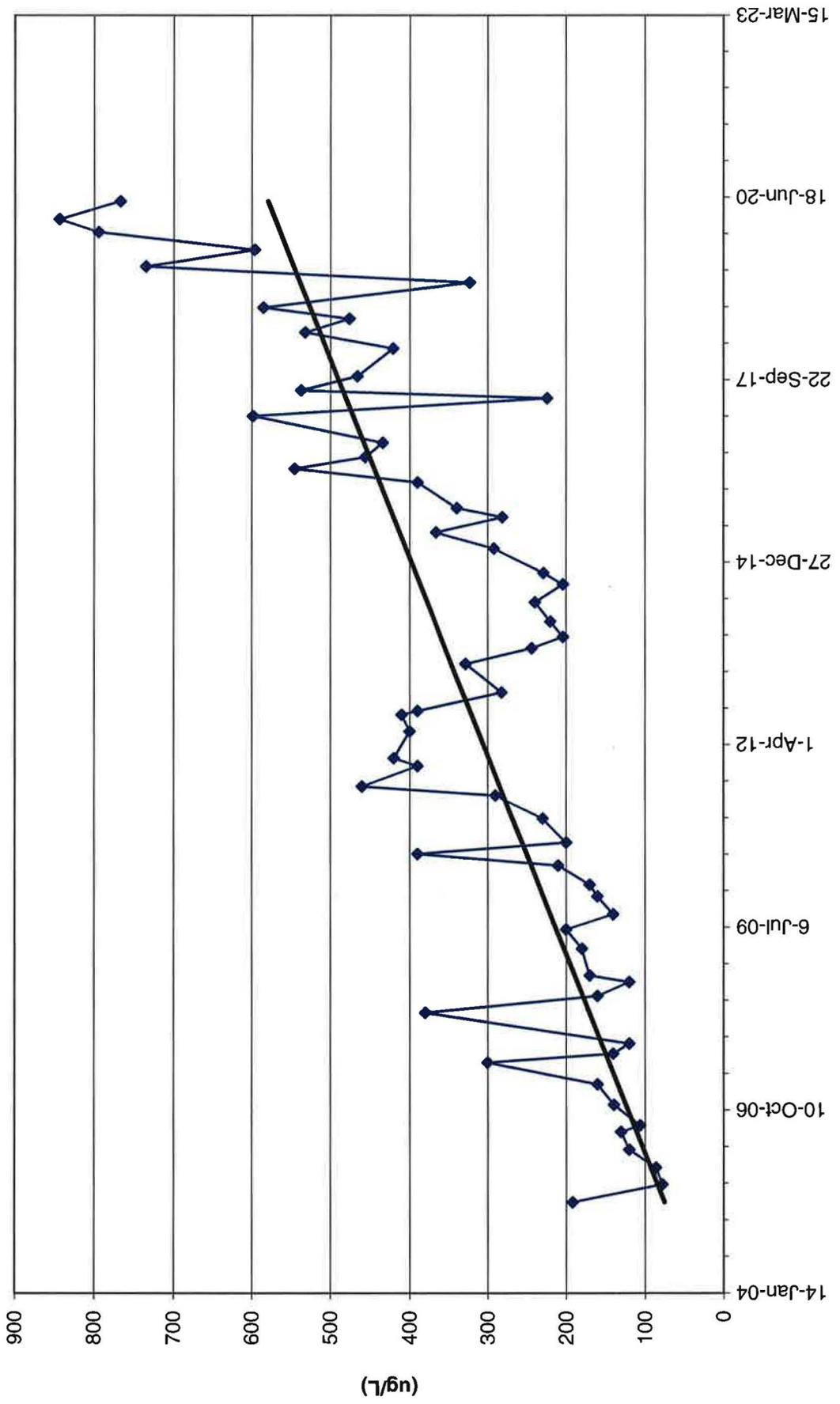
TW4-20 Chloroform Values



TW4-21	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
25-May-05	192	NA	NA	NA	14.6	NA
31-Aug-05	78	<5	<5	<5	10.1	NA
1-Dec-05	86	<1	1.0	<1	9.6	NA
9-Mar-06	120	<2.5	<2.5	<2.5	8.5	347
14-Jun-06	130	<2.5	<2.5	<2.5	10.2	318
20-Jul-06	106	<2.5	<2.5	<2.5	8.9	357
8-Nov-06	139	2	<1	<1	8.7	296
28-Feb-07	160	1.8	<1	<1	8.7	306
27-Jun-07	300	5.8	<1	<1	8.6	327
15-Aug-07	140	<1	<1	<1	8.6	300
10-Oct-07	120	<1	<1	<1	8.3	288
26-Mar-08	380	7	<1	<1	14.3	331
25-Jun-08	160	1.7	<1	<1	8.81	271
10-Sep-08	120	1.6	<1	<1	7.57	244
15-Oct-08	170	2	<1	<2	8.00	284
11-Mar-09	180	<1	<1	<1	8.3	279
24-Jun-09	200	<1	<1	<1	8.1	291
15-Sep-09	140	<1	<1	<1	9.2	281
22-Dec-09	160	<1	<1	<1	8.4	256
25-Feb-10	170	<1	<1	<1	8.4	228
10-Jun-10	210	1.2	<1	<1	12	266
12-Aug-10	390	9.2	<1	<1	14	278
13-Oct-10	200	1.2	<1	<1	7	210
22-Feb-11	230	1.2	ND	ND	9	303
28-Jun-11	290	4.8	ND	ND	12	290
17-Aug-11	460	6.3	ND	ND	14	287
7-Dec-11	390	6.7	ND	ND	13	276
19-Jan-12	420	6.4	ND	ND	15	228
13-Jun-12	400	5.4	ND	ND	11	285
13-Sep-12	410	6	ND	ND	13	142
4-Oct-12	390	7	ND	ND	14	270
13-Jan-13	282	5.25	ND	ND	11.8	221
18-Jun-13	328	3.49	ND	ND	13.8	243
12-Sep-13	244	2.13	ND	ND	10.3	207
13-Nov-13	204	ND	ND	ND	9	206
5-Feb-14	220	6.23	ND	ND	11.4	200
22-May-14	240	4.73	ND	ND	11.5	243
27-Aug-14	204	ND	ND	ND	7.1	230
29-Oct-14	229	1.04	ND	ND	10	252

TW4-21	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Mar-15	292	1.75	ND	ND	10.9	255
8-Jun-15	366	1.92	ND	ND	13.1	494
31-Aug-15	281	ND	ND	ND	14.7	499
19-Oct-15	339	ND	ND	ND	14.3	413
9-Mar-16	390	ND	ND	ND	14.6	452
23-May-16	545	ND	ND	ND	13.1	425
25-Jul-16	456	ND	ND	ND	16.5	457
12-Oct-16	434	ND	ND	ND	11.4	301
12-Oct-16	434	ND	ND	ND	11.4	301
8-Mar-17	598	2.36	ND	ND	12.0	290
13-Jun-17	224	1.16	ND	ND	9.53	309
26-Jul-17	537	1.05	ND	ND	18.2	447
11-Oct-17	466	ND	ND	ND	16.9	378
12-Mar-18	421	ND	ND	ND	15.8	447
8-Jun-18	532	ND	ND	ND	14.1	387
22-Aug-18	476	ND	ND	ND	0.236	182
22-Oct-18	585	ND	ND	ND	15.2	392
8-Mar-19	323	ND	ND	ND	8.99	180
5-Jun-19	734	ND	ND	ND	17.5	456
4-Sep-19	596	ND	ND	ND	14.7	478
10-Dec-19	794	ND	ND	ND	5.73	339
19-Feb-20	844	ND	2.58	ND	8.93	446
27-May-20	767	ND	ND	ND	15.40	353

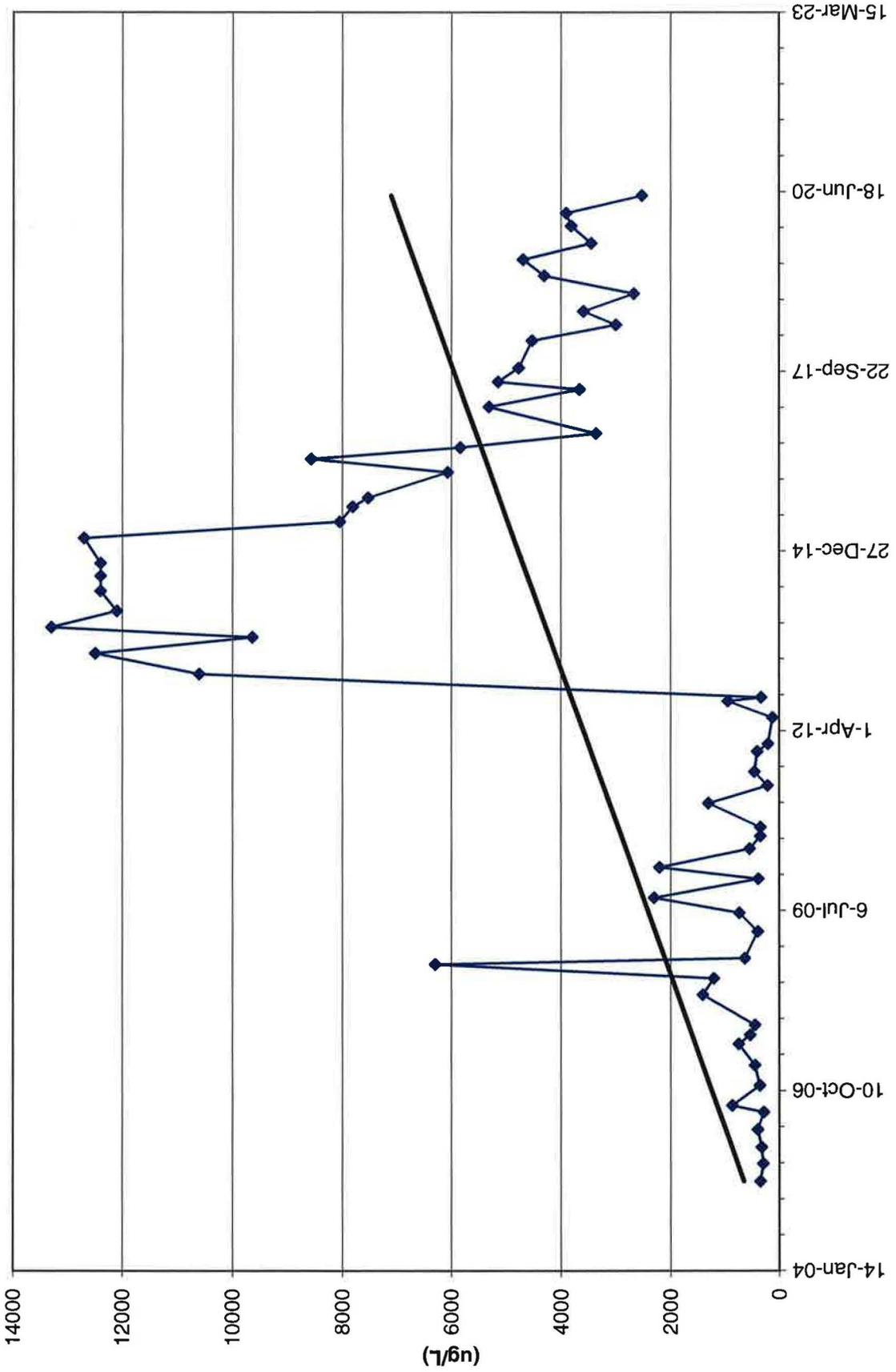
TW4-21 Chloroform Values



TW4-22	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
25-May-05	340	NA	NA	NA	18.2	NA
31-Aug-05	290	<5	<5	<5	15.7	NA
1-Dec-05	320	<5	<5	<5	15.1	NA
9-Mar-06	390	<10	<10	<10	15.3	236
14-Jun-06	280	<10	<10	<10	14.3	221
20-Jul-06	864	<10	<10	<10	14.5	221
8-Nov-06	350	<1	1.6	<1	15.9	236
28-Feb-07	440	<1	<1	<1	20.9	347
27-Jun-07	740	<1	<1	<1	19.3	273
15-Aug-07	530	<1	<1	<1	19.3	259
10-Oct-07	440	<1	<1	<1	18.8	238
26-Mar-08	1400	<1	<1	<1	39.1	519
25-Jun-08	1200	<1	<1	<1	41.9	271
10-Sep-08	6300	1.3	<1	<1	38.7	524
15-Oct-08	630	<2	<2	<2	36.3	539
11-Mar-09	390	<1	<1	<1	20.7	177
24-Jun-09	730	<1	<1	<1	20.6	177
15-Sep-09	2300	<1	<1	<1	40.3	391
29-Dec-09	380	<1	<1	<1	17.8	175
3-Mar-10	2200	<1	<1	<1	36.6	427
15-Jun-10	540	<1	<1	<1	19	134
24-Aug-10	340	<1	<1	<1	15	130
13-Oct-10	340	<1	<1	<1	16	134
23-Feb-11	1300	ND	ND	ND	18	114
1-Jun-11	210	ND	ND	ND	17	138
17-Aug-11	450	ND	ND	ND	15	120
7-Dec-11	400	ND	ND	ND	19	174
19-Jan-12	200	ND	ND	ND	14	36
13-Jun-12	120	ND	ND	ND	12.8	35
12-Sep-12	940	ND	ND	ND	7	121
4-Oct-12	330	ND	ND	ND	14	130
11-Feb-13	10600	3.24	ND	ND	58	635
5-Jun-13	12500	3.35	ND	ND	50.2	586
3-Sep-13	9640	3.25	ND	ND	29.7	487
29-Oct-13	13300	8.09	ND	ND	45.2	501
27-Jan-14	12100	6.06	ND	2.83	54.6	598
19-May-14	12400	6.65	ND	ND	47.2	614
11-Aug-14	12400	1.9	40	ND	41.5	540
21-Oct-14	12400	3.32	1.61	ND	54.9	596

TW4-22	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
9-Mar-15	12700	3.77	4.31	ND	69.2	675
8-Jun-15	8050	2.42	3.42	ND	47.1	390
31-Aug-15	7810	ND	5.47	ND	64.7	557
19-Oct-15	7530	ND	5.1	ND	56.1	567
9-Mar-16	6070	ND	ND	ND	31.1	583
23-May-16	8570	2.64	ND	ND	58.4	598
25-Jul-16	5840	ND	ND	ND	61.3	619
12-Oct-16	3370	1.08	ND	ND	61.5	588
8-Mar-17	5320	1.56	ND	ND	69.8	566
13-Jun-17	3670	1.21	ND	ND	70.8	572
26-Jul-17	5150	ND	ND	ND	66.1	391
11-Oct-17	4770	ND	ND	ND	80.1	600
12-Mar-18	4530	ND	ND	ND	62.3	607
8-Jun-18	3010	ND	ND	ND	72.5	580
22-Aug-18	3600	ND	ND	ND	55.4	613
28-Nov-18	2680	ND	ND	ND	75.7	567
8-Mar-19	4310	1.02	ND	ND	71.9	528
5-Jun-19	4690	ND	1.13	ND	83.9	662
4-Sep-19	3460	ND	ND	ND	72.5	588
10-Dec-19	3820	ND	ND	ND	59.9	608
19-Feb-20	3910	ND	ND	ND	57.7	606
27-May-20	2530	ND	ND	ND	60.5	578

TW4-22 Chloroform Values



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
10-Jun-15	ND	ND	ND	ND	ND	48.4
3-Sep-15	ND	ND	ND	ND	ND	54.1
28-Oct-15	ND	ND	ND	ND	ND	46.4
16-Mar-16	ND	ND	ND	ND	ND	49.1
26-May-16	ND	ND	ND	ND	ND	50.4
3-Aug-16	ND	ND	ND	ND	ND	49.6
20-Oct-16	ND	ND	ND	ND	ND	52.1

TW4-23	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
15-Mar-17	ND	ND	ND	ND	ND	47.7
15-Jun-17	ND	ND	ND	ND	ND	51.5
2-Aug-17	ND	ND	ND	ND	ND	51.8
10-Oct-17	ND	ND	ND	ND	ND	44.7
14-Mar-18	ND	ND	ND	ND	ND	53.8
13-Jun-18	ND	ND	ND	ND	ND	47.6
30-Aug-18	ND	ND	ND	ND	ND	56.0
12-Dec-18	ND	ND	ND	ND	ND	54.9
16-Mar-19	ND	ND	ND	ND	ND	48.9
13-Jun-19	ND	ND	ND	ND	ND	50.2
11-Sep-19	ND	ND	ND	ND	ND	47.9
14-Dec-19	ND	ND	ND	ND	ND	54.4
17-Mar-20	ND	ND	ND	ND	ND	50.0
11-Jun-20	ND	ND	ND	ND	ND	49.0

(ug/L)



TW4-23 Chloroform Values

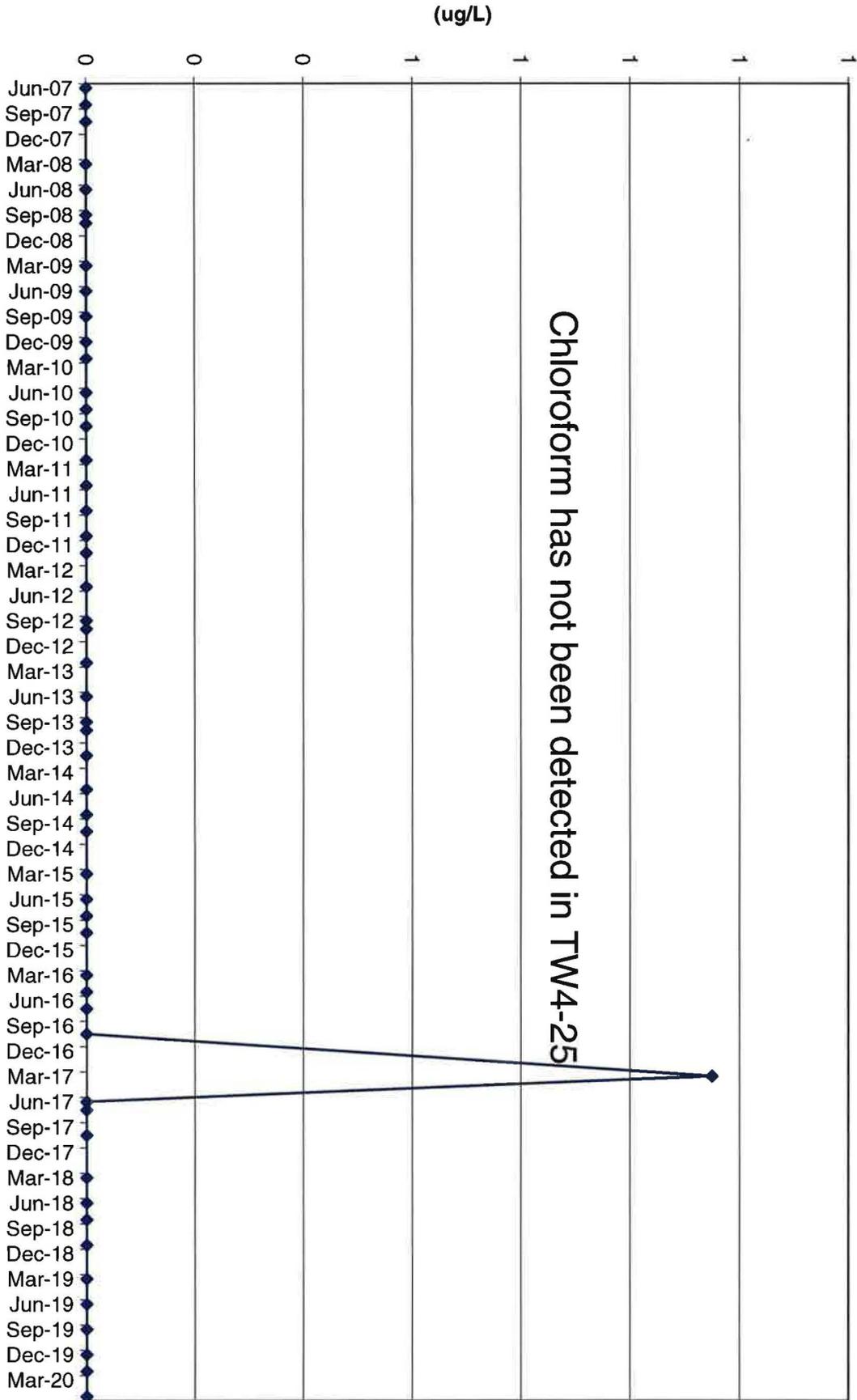
TW4-24	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Jun-07	2.6	<1	<1	<1	26.1	770
15-Aug-07	2.2	<1	<1	<1	29	791
10-Oct-07	1.5	<1	<1	<1	24.7	692
26-Mar-08	1.5	<1	<1	<1	24.4	740
25-Jun-08	1.4	<1	<1	<1	45.3	834
10-Sep-08	2.9	<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
8-Jun-15	4.3	ND	ND	ND	31.8	1290
31-Aug-15	46.9	ND	ND	ND	25.3	788
19-Oct-15	25.3	ND	ND	ND	29.6	909
9-Mar-16	22.8	ND	ND	ND	29.1	989
23-May-16	69.6	ND	ND	ND	24.2	771
25-Jul-16	17.8	ND	ND	ND	34.4	1180
12-Oct-16	20.8	ND	ND	ND	31.9	1010

TW4-24	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
8-Mar-17	18.3	ND	ND	ND	41.3	1090
13-Jun-17	17.2	ND	ND	ND	39.9	1080
26-Jul-17	17.8	ND	ND	ND	40.0	1230
11-Oct-17	16.0	ND	ND	ND	31.7	895
12-Mar-18	24.9	ND	ND	ND	44.9	1320
14-Jun-18	49.2	ND	ND	ND	33.6	792
22-Aug-18	35.0	ND	ND	ND	33.8	996
28-Nov-18	21.0	ND	ND	ND	38.4	1100
8-Mar-19	28.1	ND	ND	ND	39.3	1040
5-Jun-19	28.8	ND	ND	ND	33.2	1020
4-Sep-19	31.1	ND	ND	ND	36.4	1130
10-Dec-19	43.3	ND	ND	ND	33.8	1090
19-Feb-20	61.7	ND	ND	ND	37.1	1010
27-May-20	49.4	ND	ND	ND	41.7	1060

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
8-Jun-15	ND	ND	ND	ND	1.14	58.3
31-Aug-15	ND	ND	ND	ND	1.63	69.2
21-Oct-15	ND	ND	ND	ND	1.78	93.7
9-Mar-16	ND	ND	ND	ND	0.837	62.7
23-May-16	ND	ND	ND	ND	0.959	75.5
25-Jul-16	ND	ND	ND	ND	1.78	74.1
12-Oct-16	ND	ND	ND	ND	1.24	59.8

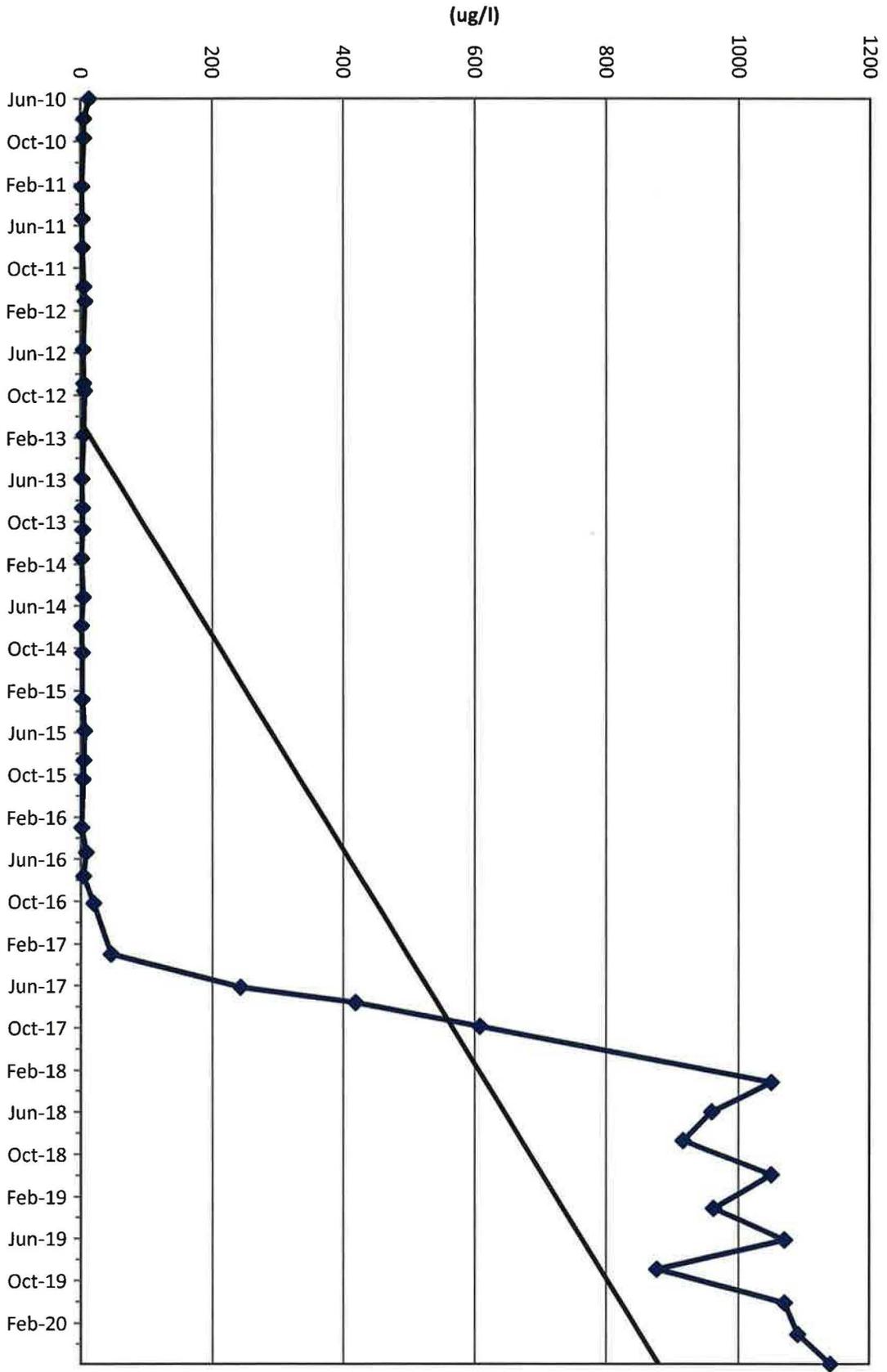
TW4-25	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
8-Mar-17	1	ND	ND	ND	17	285
13-Jun-17	ND	ND	ND	ND	0.976	69.8
26-Jul-17	ND	ND	ND	ND	1.23	70.1
11-Oct-17	ND	ND	ND	ND	1.29	68.0
12-Mar-18	ND	ND	ND	ND	2.23	70.5
14-Jun-18	ND	ND	ND	ND	1.14	60.3
22-Aug-18	ND	ND	ND	ND	0.810	69.1
28-Nov-18	ND	ND	ND	ND	0.634	59.7
8-Mar-19	ND	ND	ND	ND	0.639	65.0
5-Jun-19	ND	ND	ND	ND	0.821	59.0
4-Sep-19	ND	ND	ND	ND	0.548	58.1
10-Dec-19	ND	ND	ND	ND	0.841	73.1
19-Feb-20	ND	ND	ND	ND	0.607	86.0
27-May-20	ND	ND	ND	ND	0.851	76.8

TW4-25 Chloroform Values



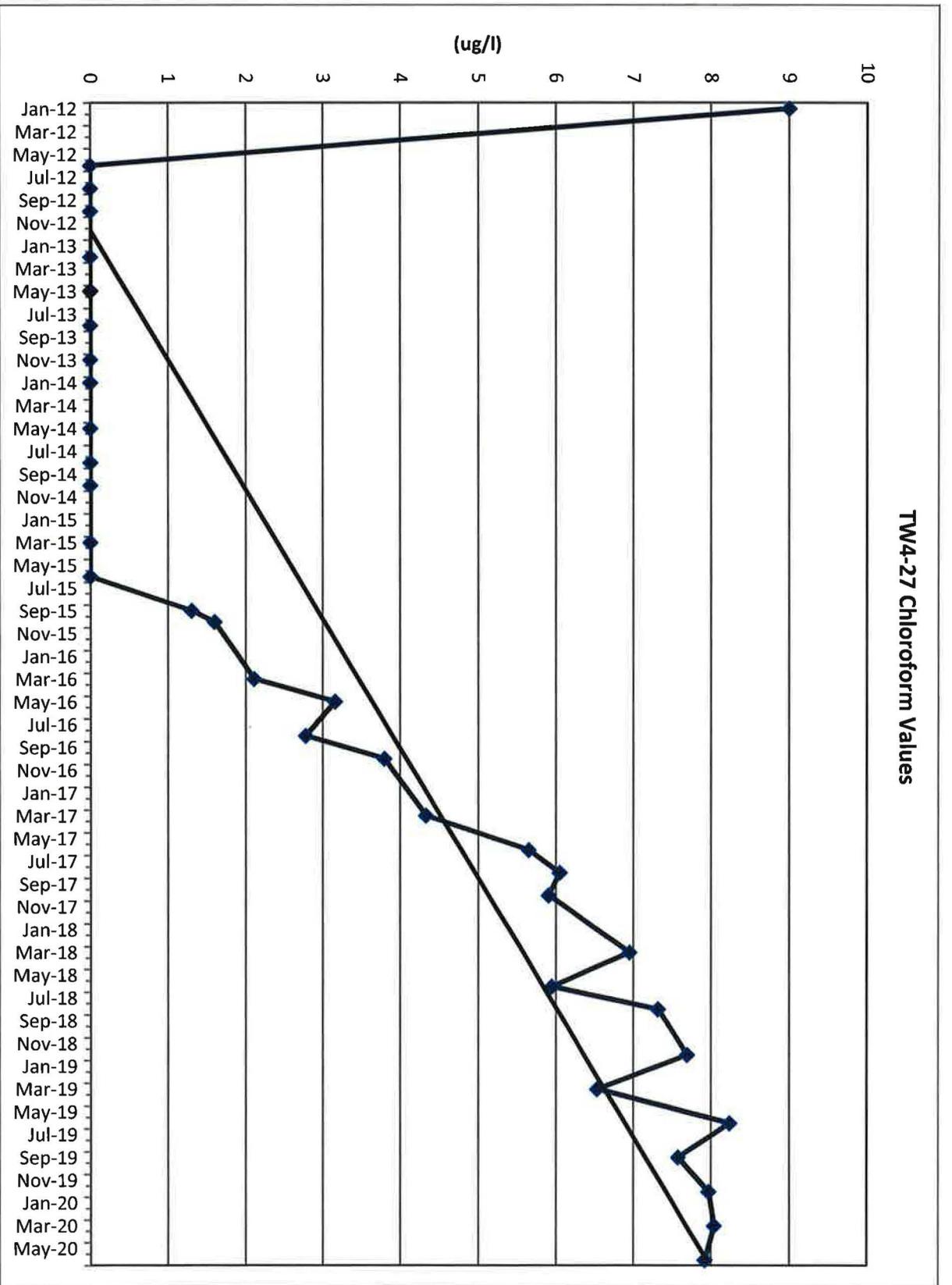
TW4-26	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
15-Jun-10	13	<1	<1	<1	7.9	33
11-Aug-10	5	<1	<1	<1	9	17
6-Oct-10	5.4	<1	<1	<1	9.6	22
22-Feb-11	2.0	ND	ND	ND	10	30
26-May-11	2.9	ND	ND	ND	10	15
17-Aug-11	2.8	ND	ND	ND	11	19
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
10-Jun-15	6.12	ND	1.17	ND	11.3	14.4
3-Sep-15	4.77	ND	ND	ND	14.2	14.0
28-Oct-15	3.45	ND	ND	ND	13.9	13.3
16-Mar-16	1.80	ND	ND	ND	16.9	13.7
26-May-16	8.23	ND	ND	ND	15.2	13.9
3-Aug-16	4.42	ND	ND	ND	17.9	13.9
20-Oct-16	19.9	ND	ND	ND	15.0	14.2
16-Mar-17	46.1	ND	ND	ND	15.8	16.2
20-Jun-17	244	ND	ND	ND	15.2	19.0
3-Aug-17	419	ND	ND	ND	15.2	25.8
11-Oct-17	608	ND	ND	ND	10.0	27.3
21-Mar-18	1050	ND	ND	ND	12.2	35.5
14-Jun-18	960	ND	ND	ND	13.2	33.5
5-Sep-18	916	ND	ND	ND	13.5	38.9
13-Dec-18	1050	ND	ND	ND	11.8	33.4
20-Mar-19	963	ND	ND	ND	12.2	32.9
19-Jun-19	1070	ND	ND	ND	12.6	35.8
12-Sep-19	877	ND	ND	ND	10.9	32.0
18-Dec-19	1070	ND	ND	ND	10.3	38.3
18-Mar-20	1090	ND	ND	ND	11.9	36.3
12-Jun-20	1140	ND	ND	ND	11.1	35.1

TW4-26 Chloroform Values



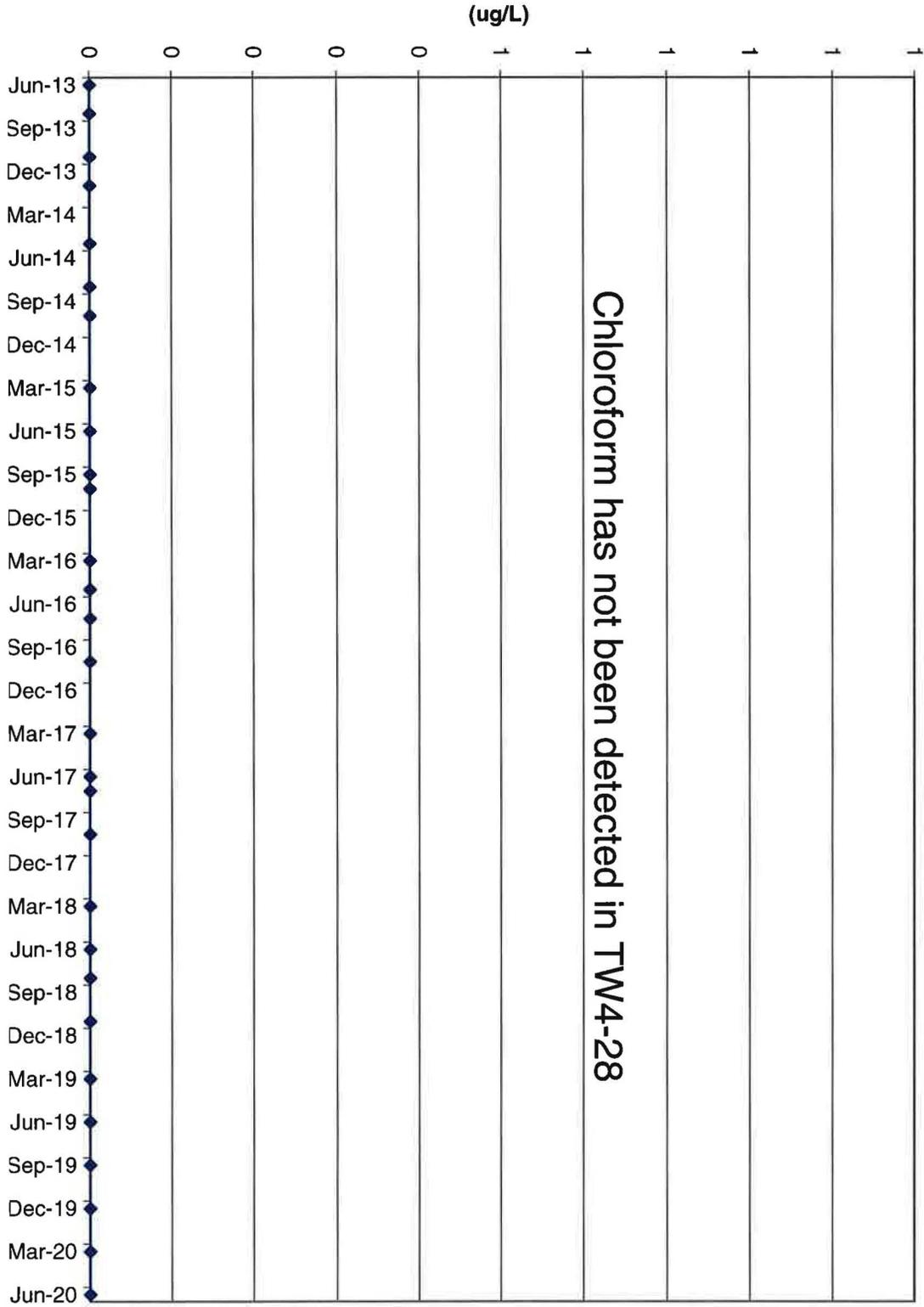
TW4-27	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
24-Jan-12	9	ND	ND	ND	24	11
13-Jun-12	ND	ND	ND	ND	41	17
30-Aug-12	ND	ND	ND	ND	37	21
3-Oct-12	ND	ND	ND	ND	36	18
7-Feb-13	ND	ND	ND	ND	31.2	18.8
30-May-13	ND	ND	ND	ND	29.4	20.3
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
10-Jun-15	ND	ND	ND	ND	24.0	26.8
2-Sep-15	1.30	ND	ND	ND	20.9	26.8
28-Oct-15	1.60	ND	ND	ND	23.5	26.2
16-Mar-16	2.11	ND	ND	ND	25.0	28.0
26-May-16	3.16	ND	ND	ND	21.2	28.7
3-Aug-16	2.78	ND	ND	ND	21.8	27.1
20-Oct-16	3.80	ND	ND	ND	19.3	29.4
15-Mar-17	4.33	ND	ND	ND	22.2	28.3
15-Jun-17	5.65	ND	ND	ND	23.8	27.9
2-Aug-17	6.05	ND	ND	ND	20.0	29.5
10-Oct-17	5.91	ND	ND	ND	21.5	26.3
14-Mar-18	6.95	ND	ND	ND	19.5	30.3
13-Jun-18	5.95	ND	ND	ND	22.0	28.3
30-Aug-18	7.32	ND	ND	ND	18.1	31.4
12-Dec-18	7.70	ND	ND	ND	20.8	28.2
16-Mar-19	6.54	ND	ND	ND	21.5	26.2
13-Jun-19	8.24	ND	ND	ND	22.3	28.6
11-Sep-19	7.58	ND	ND	ND	21.2	25.3
14-Dec-19	7.97	ND	ND	ND	22.0	27.4
17-Mar-20	8.04	ND	ND	ND	23.6	27.6
11-Jun-20	7.92	ND	ND	ND	21.5	28.0

TW4-27 Chloroform Values



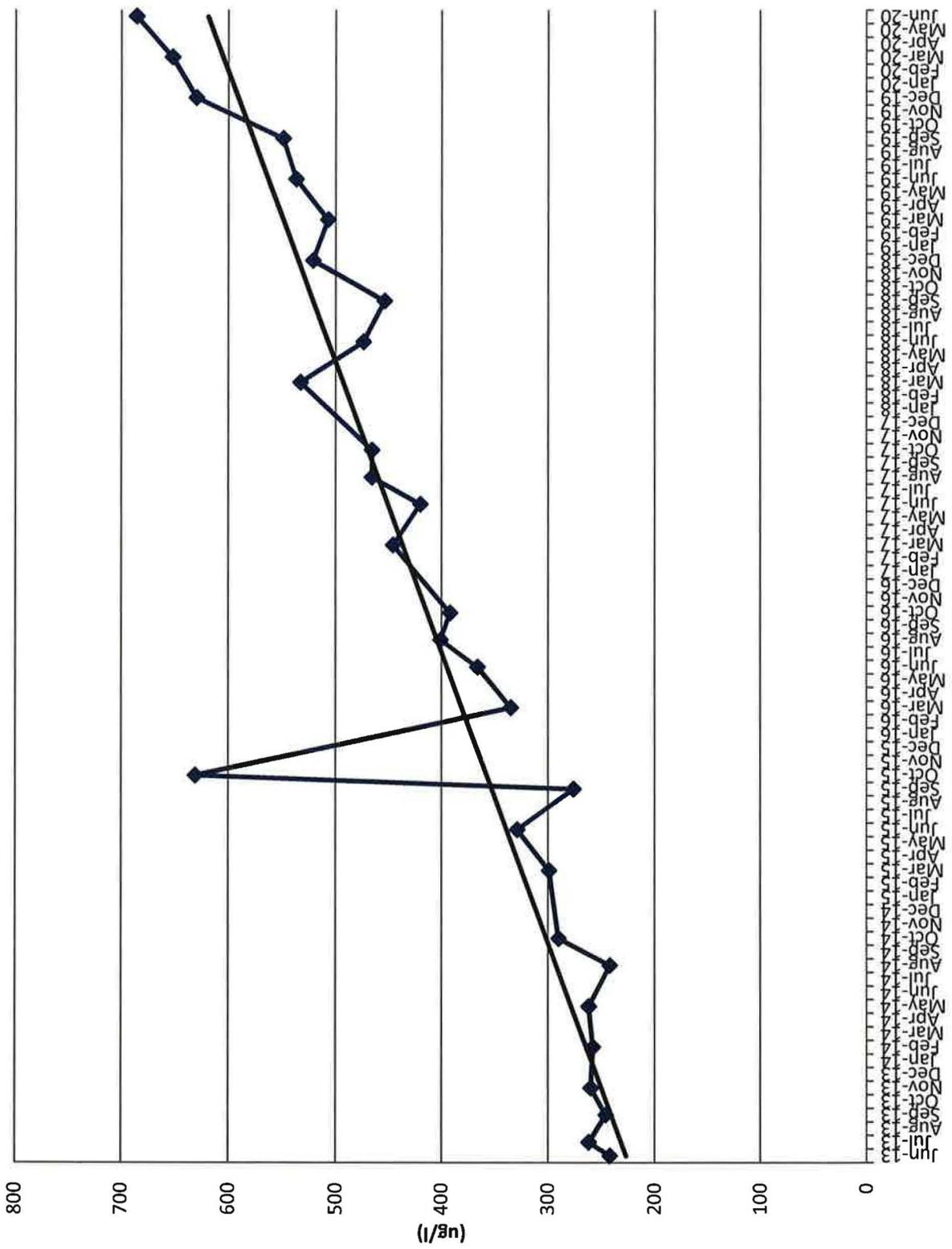
TW4-28	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-13	ND	ND	ND	ND	14.9	44.6
29-Aug-13	ND	ND	ND	ND	17.3	45.3
6-Nov-13	ND	ND	ND	ND	16.2	45.2
22-Jan-14	ND	ND	ND	ND	16.9	47.8
21-May-14	ND	ND	ND	ND	16.5	45.7
13-Aug-14	ND	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
10-Jun-15	ND	ND	ND	ND	19	56.4
2-Sep-15	ND	ND	ND	ND	17.8	61.4
21-Oct-15	ND	ND	ND	ND	18.7	52.7
15-Mar-16	ND	ND	ND	ND	34.0	61.6
25-May-16	ND	ND	ND	ND	29.0	67.1
27-Jul-16	ND	ND	ND	ND	31.3	70.1
19-Oct-16	ND	ND	ND	ND	25.5	70.9
14-Mar-17	ND	ND	ND	ND	24.4	64.2
14-Jun-17	ND	ND	ND	ND	26.0	68.6
27-Jul-17	ND	ND	ND	ND	24.8	67.1
10-Oct-17	ND	ND	ND	ND	24.8	57.4
14-Mar-18	ND	ND	ND	ND	17.2	65.0
12-Jun-18	ND	ND	ND	ND	19.0	55.7
29-Aug-18	ND	ND	ND	ND	16.0	63.8
30-Nov-18	ND	ND	ND	ND	17.7	52.4
16-Mar-19	ND	ND	ND	ND	17.2	51.7
13-Jun-19	ND	ND	ND	ND	15.0	51.8
11-Sep-19	ND	ND	ND	ND	10.2	49.0
12-Dec-19	ND	ND	ND	ND	9.48	50.0
17-Mar-20	ND	ND	ND	ND	9.87	52.1
10-Jun-20	ND	ND	ND	ND	9.55	49.8

TW4-28 Chloroform Values



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
11-Jun-15	329	ND	ND	ND	2.95	42.5
3-Sep-15	276	ND	ND	ND	2.19	47.3
29-Oct-15	631	ND	ND	ND	2.74	39.8
17-Mar-16	335	ND	ND	ND	2.92	40.3
8-Jun-16	366	ND	ND	ND	2.51	42.9
4-Aug-16	401	ND	ND	ND	2.44	40.6
26-Oct-16	392	ND	ND	ND	2.4	44.2
16-Mar-17	446	ND	ND	ND	2.24	41.5
21-Jun-17	420	ND	ND	ND	2.26	42.0
4-Aug-17	466	ND	ND	ND	2.35	42.9
11-Oct-17	466	ND	ND	ND	2.45	37.7
21-Mar-18	533	ND	ND	ND	2.44	43.1
14-Jun-18	474	ND	ND	ND	2.67	40.1
5-Sep-18	454	ND	ND	ND	2.52	45.9
13-Dec-18	521	ND	ND	ND	2.50	40.9
20-Mar-19	507	ND	ND	ND	2.67	39.9
19-Jun-19	537	ND	ND	ND	2.56	39.4
12-Sep-19	549	ND	ND	ND	2.55	38.0
18-Dec-19	630	ND	ND	ND	2.58	44.8
18-Mar-20	652	ND	ND	ND	3.1	41.0
12-Jun-20	686	ND	ND	ND	3.18	42.2

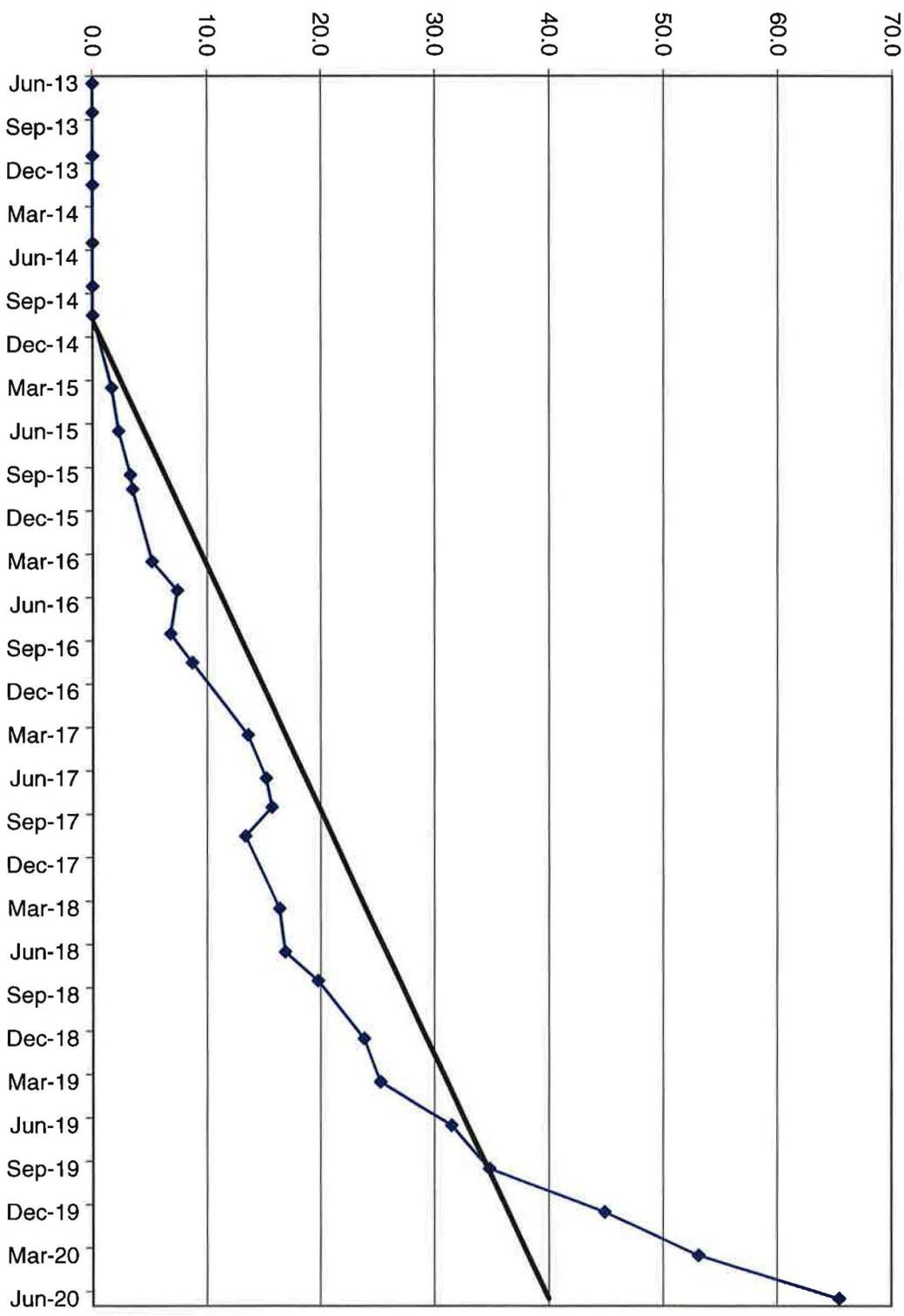
TW4-29 Chloroform Values



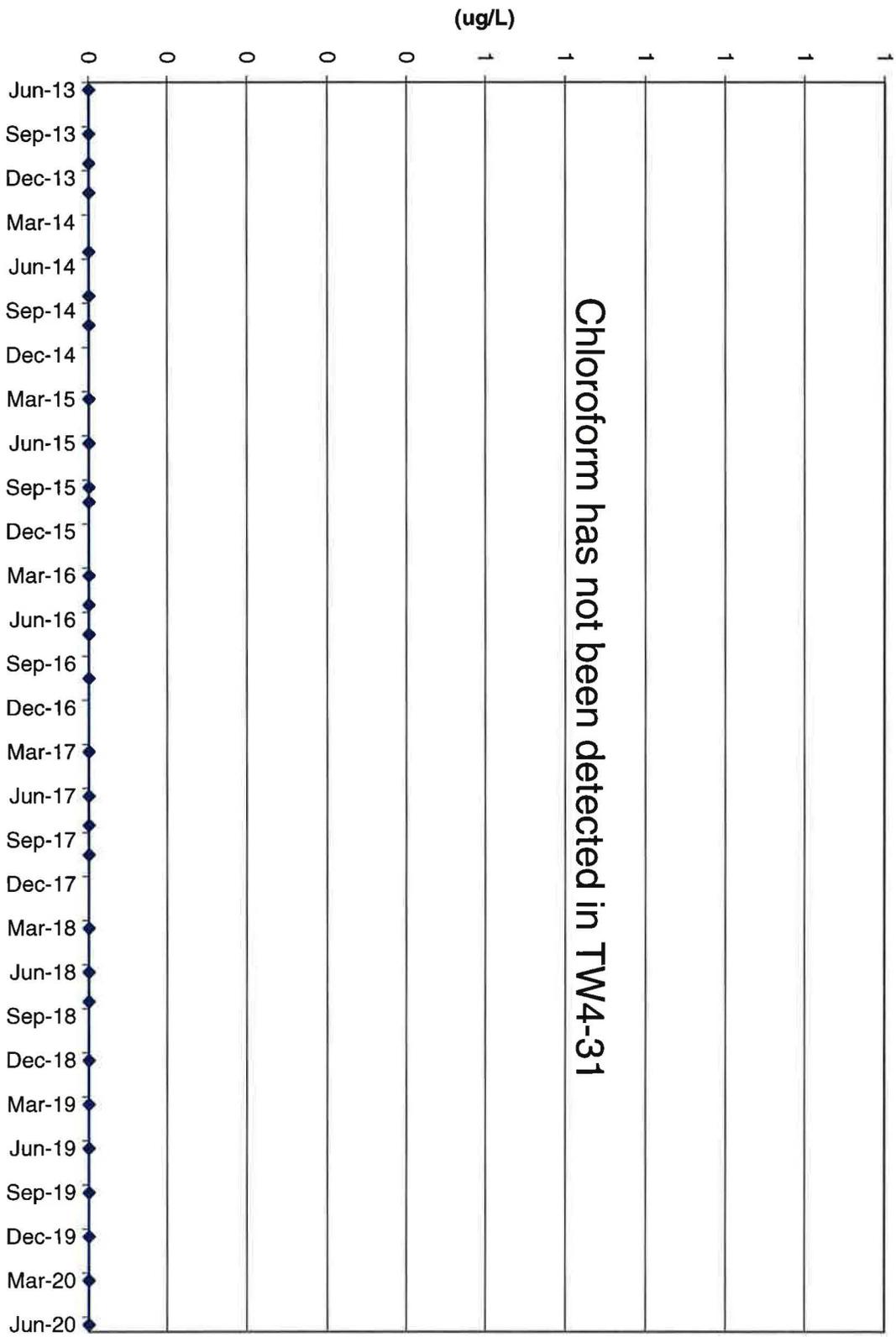
TW4-30	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-13	ND	ND	ND	ND	0.948	36
29-Aug-13	ND	ND	ND	ND	0.952	36.3
7-Nov-13	ND	ND	ND	ND	1.24	35.9
23-Jan-14	ND	ND	ND	ND	1.36	36
21-May-14	ND	ND	ND	ND	1.44	31.99
13-Aug-14	ND	ND	ND	ND	1.5	38
23-Oct-14	ND	ND	ND	ND	1.84	37.1
11-Mar-15	1.65	ND	ND	ND	2.15	38.3
10-Jun-15	2.25	ND	ND	ND	1.75	40.3
3-Sep-15	3.27	ND	ND	ND	1.75	44.2
28-Oct-15	3.48	ND	ND	ND	1.86	37.8
17-Mar-16	5.16	ND	ND	ND	2.74	39.6
26-May-16	7.38	ND	ND	ND	2.04	40.2
3-Aug-16	6.79	ND	ND	ND	2.32	38.6
20-Oct-16	8.69	ND	ND	ND	2.51	41.3
15-Mar-17	13.6	ND	ND	ND	2.7	37.7
15-Jun-17	15.2	ND	ND	ND	2.95	37.8
3-Aug-17	15.7	ND	ND	ND	3.11	39.8
10-Oct-17	13.4	ND	ND	ND	2.58	34.9
15-Mar-18	16.4	ND	ND	ND	3.63	41.0
13-Jun-18	16.9	ND	ND	ND	3.93	37.4
30-Aug-18	19.8	ND	ND	ND	3.79	44.1
12-Dec-18	23.9	ND	ND	ND	3.70	35.5
16-Mar-19	25.3	ND	ND	ND	4.08	35.9
13-Jun-19	31.5	ND	ND	ND	4.13	27.2
11-Sep-19	34.8	ND	ND	ND	3.62	34.5
18-Dec-19	44.9	ND	ND	ND	3.62	39.1
17-Mar-20	53.1	ND	ND	ND	3.85	37.5
12-Jun-20	65.4	ND	ND	ND	3.69	38.6

(ug/L)

TW4-30 Chloroform Values



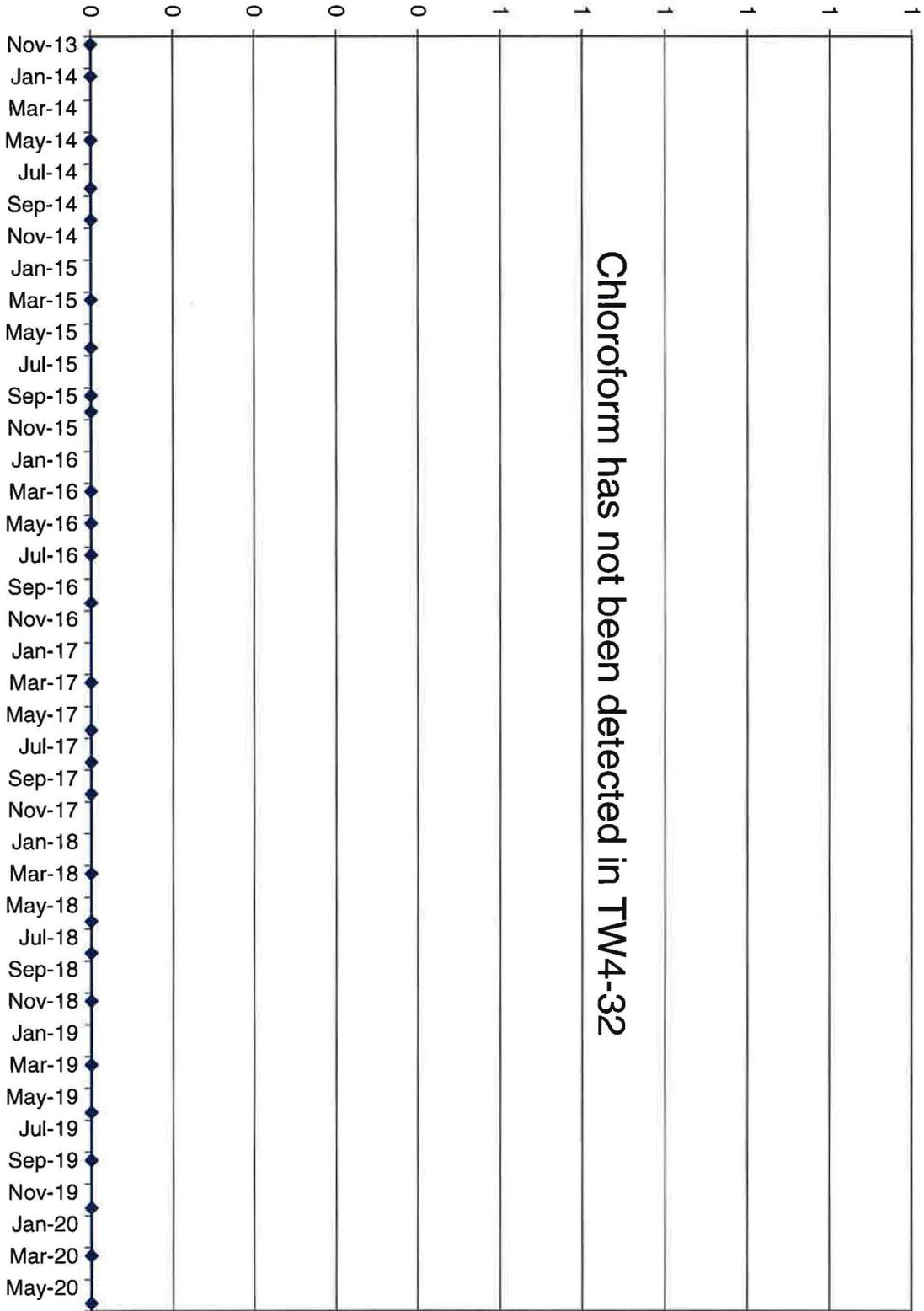
TW4-31	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-13	ND	ND	ND	ND	1.26	28.4
5-Sep-13	ND	ND	ND	ND	1.1	29.4
7-Nov-13	ND	ND	ND	ND	1.33	28
23-Jan-14	ND	ND	ND	ND	1.32	28.5
21-May-14	ND	ND	ND	ND	1.22	26.3
13-Aug-14	ND	ND	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
10-Jun-15	ND	ND	ND	ND	1.19	31.1
2-Sep-15	ND	ND	ND	ND	0.916	30.4
21-Oct-15	ND	ND	ND	ND	0.953	29.1
16-Mar-16	ND	ND	ND	ND	1.84	31.5
25-May-16	ND	ND	ND	ND	1.36	32.5
28-Jul-16	ND	ND	ND	ND	1.41	30.6
20-Oct-16	ND	ND	ND	ND	1.14	34.0
15-Mar-17	ND	ND	ND	ND	1.19	31.3
15-Jun-17	ND	ND	ND	ND	1.21	33.4
2-Aug-17	ND	ND	ND	ND	1.11	33.0
10-Oct-17	ND	ND	ND	ND	1.04	30.9
14-Mar-18	ND	ND	ND	ND	0.916	38.8
12-Jun-18	ND	ND	ND	ND	0.948	34.4
29-Aug-18	ND	ND	ND	ND	0.710	40.3
12-Dec-18	ND	ND	ND	ND	0.766	35.2
16-Mar-19	ND	ND	ND	ND	0.754	35.0
13-Jun-19	ND	ND	ND	ND	0.713	36.9
11-Sep-19	ND	ND	ND	ND	0.610	35.8
14-Dec-19	ND	ND	ND	ND	0.583	40.6
17-Mar-20	ND	ND	ND	ND	0.572	38.2
11-Jun-20	ND	ND	ND	ND	0.569	36.7



TW4-31 Chloroform Values

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
10-Jun-15	ND	ND	ND	ND	1.21	62.7
2-Sep-15	ND	ND	ND	ND	5.09	59.6
21-Oct-15	ND	ND	ND	ND	1.19	55.1
15-Mar-16	ND	ND	ND	ND	4.48	64.2
25-May-16	ND	ND	ND	ND	3.16	71.8
28-Jul-16	ND	ND	ND	ND	3.44	64.4
19-Oct-16	ND	ND	ND	ND	2.87	66.0
14-Mar-17	ND	ND	ND	ND	2.82	62.8
15-Jun-17	ND	ND	ND	ND	2.37	53.5
2-Aug-17	ND	ND	ND	ND	2.47	65.8
10-Oct-17	ND	ND	ND	ND	2.54	58.3
14-Mar-18	ND	ND	ND	ND	2.94	65.4
12-Jun-18	ND	ND	ND	ND	2.51	59.2
29-Aug-18	ND	ND	ND	ND	2.56	68.1
30-Nov-18	ND	ND	ND	ND	2.50	57.5
16-Mar-19	ND	ND	ND	ND	2.15	57.5
13-Jun-19	ND	ND	ND	ND	2.18	60.1
11-Sep-19	ND	ND	ND	ND	1.84	55.0
14-Dec-19	ND	ND	ND	ND	1.89	64.7
17-Mar-20	ND	ND	ND	ND	1.97	59.7
10-Jun-20	ND	ND	ND	ND	2.19	57.0

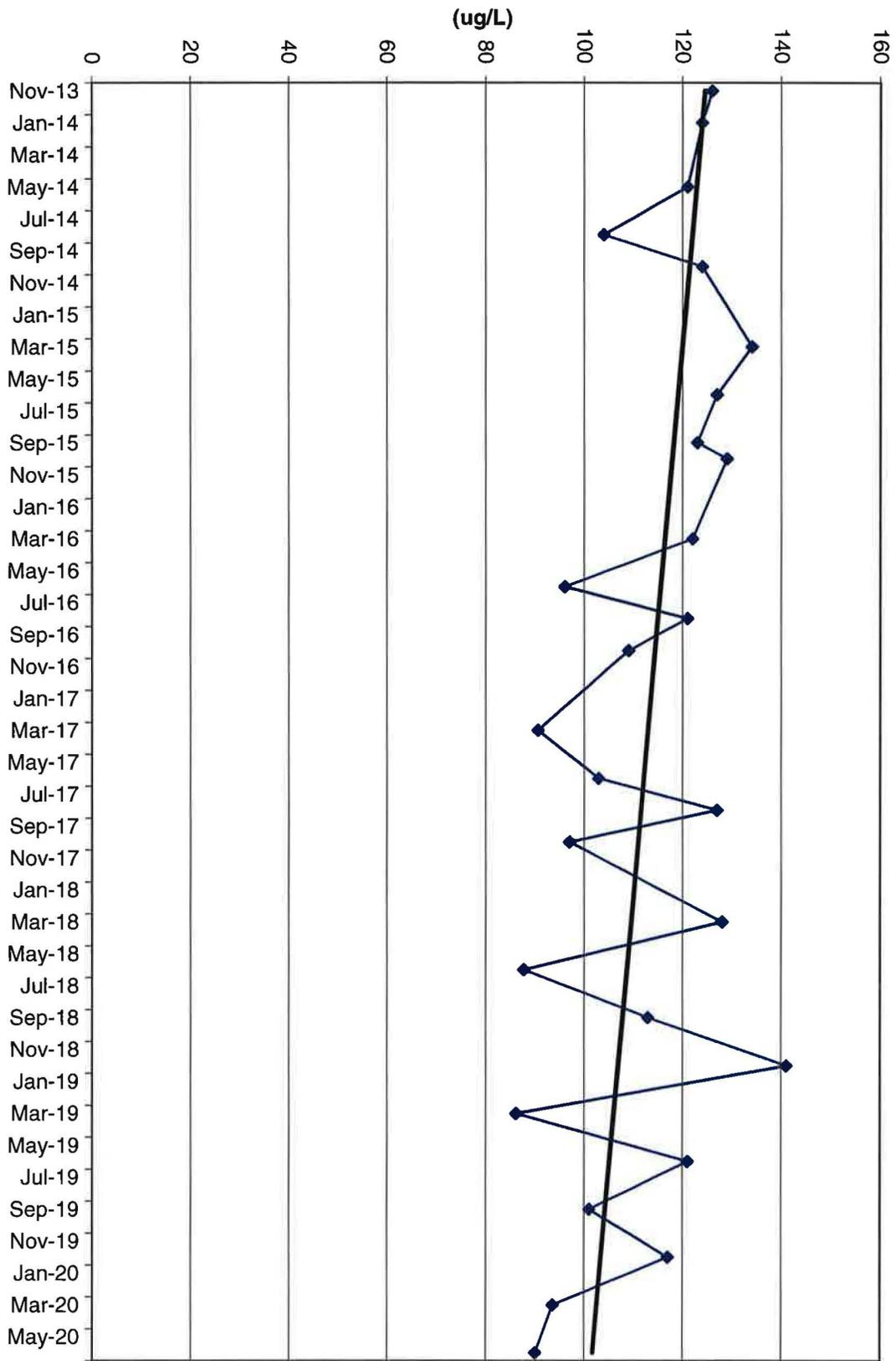
(ug/L)



TW4-32 Chloroform Values

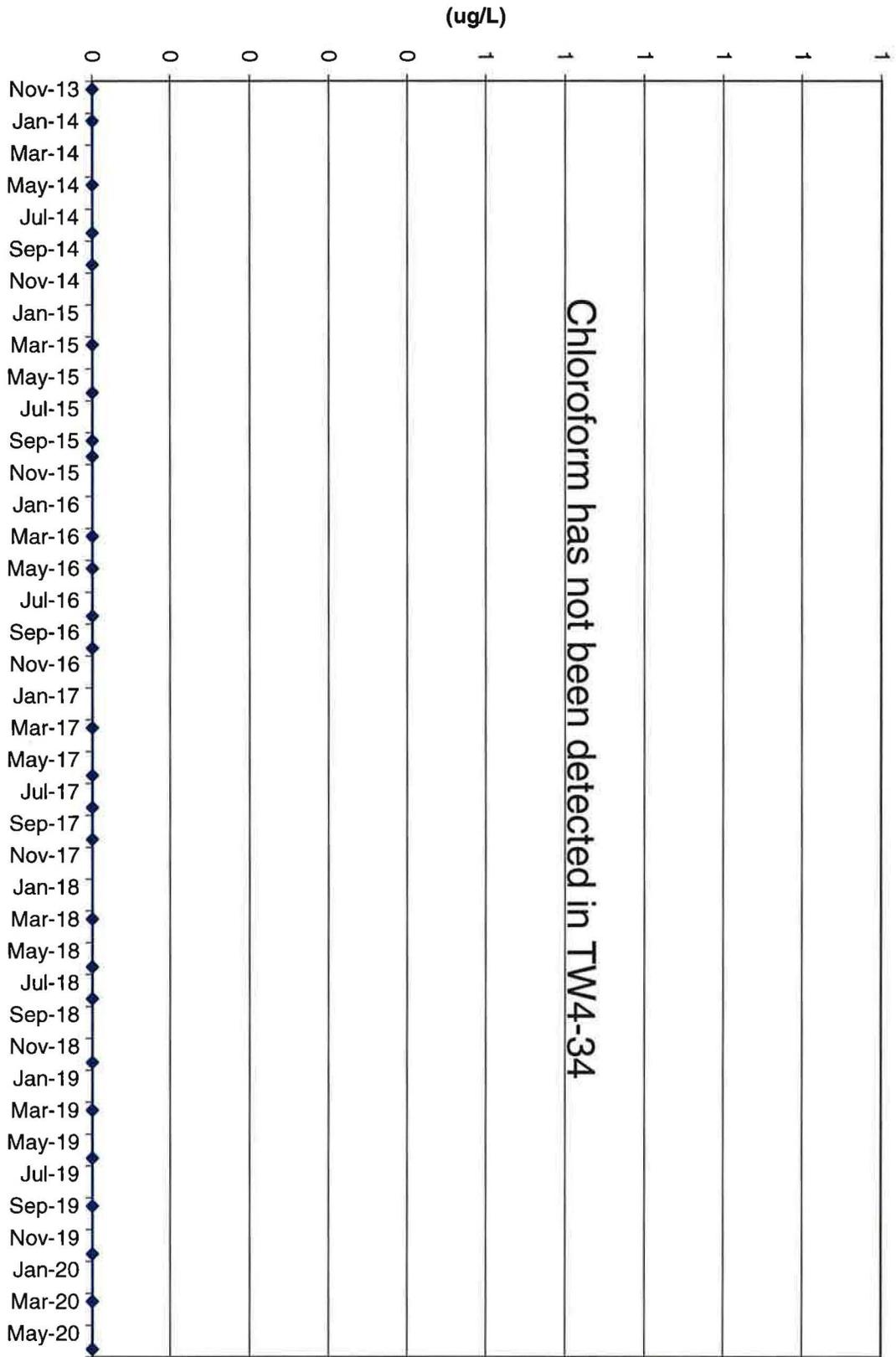
TW4-33	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
14-Nov-13	126	ND	ND	ND	1.82	47.2
30-Jan-14	124	ND	ND	ND	2.56	43.5
22-May-14	121	ND	ND	ND	1.63	46.8
27-Aug-14	104	ND	ND	ND	1.5	43
29-Oct-14	124	ND	ND	ND	2.22	44.2
12-Mar-15	134	ND	ND	ND	1.91	44.2
11-Jun-15	127	ND	ND	ND	1.62	46.4
3-Sep-15	123	ND	ND	ND	1.64	53.4
29-Oct-15	129	ND	ND	ND	1.92	44.5
17-Mar-16	122	ND	ND	ND	2.13	46.2
8-Jun-16	96	ND	ND	ND	2.06	49.7
4-Aug-16	121	ND	ND	ND	2.32	48.5
26-Oct-16	109	ND	ND	ND	2.36	52.4
16-Mar-17	91	ND	ND	ND	2.11	49.0
20-Jun-17	103	ND	ND	ND	2.34	49.2
3-Aug-17	127	ND	ND	ND	2.04	46.9
11-Oct-17	97.1	ND	ND	ND	2.09	42.5
15-Mar-18	128	ND	ND	ND	1.94	49.2
13-Jun-18	88	ND	ND	ND	2.13	44.0
5-Sep-18	113	ND	ND	ND	1.82	50.0
13-Dec-18	141	ND	ND	ND	2.01	43.2
20-Mar-19	86.2	ND	ND	ND	2.00	47.2
19-Jun-19	121	ND	ND	ND	2.16	43.4
12-Sep-19	101	ND	ND	ND	1.61	41.1
18-Dec-19	117	ND	ND	ND	1.86	48.8
18-Mar-20	94	ND	ND	ND	2.44	45.3
12-Jun-20	90	ND	ND	ND	3.26	48.9

TW4-33 Chloroform Values



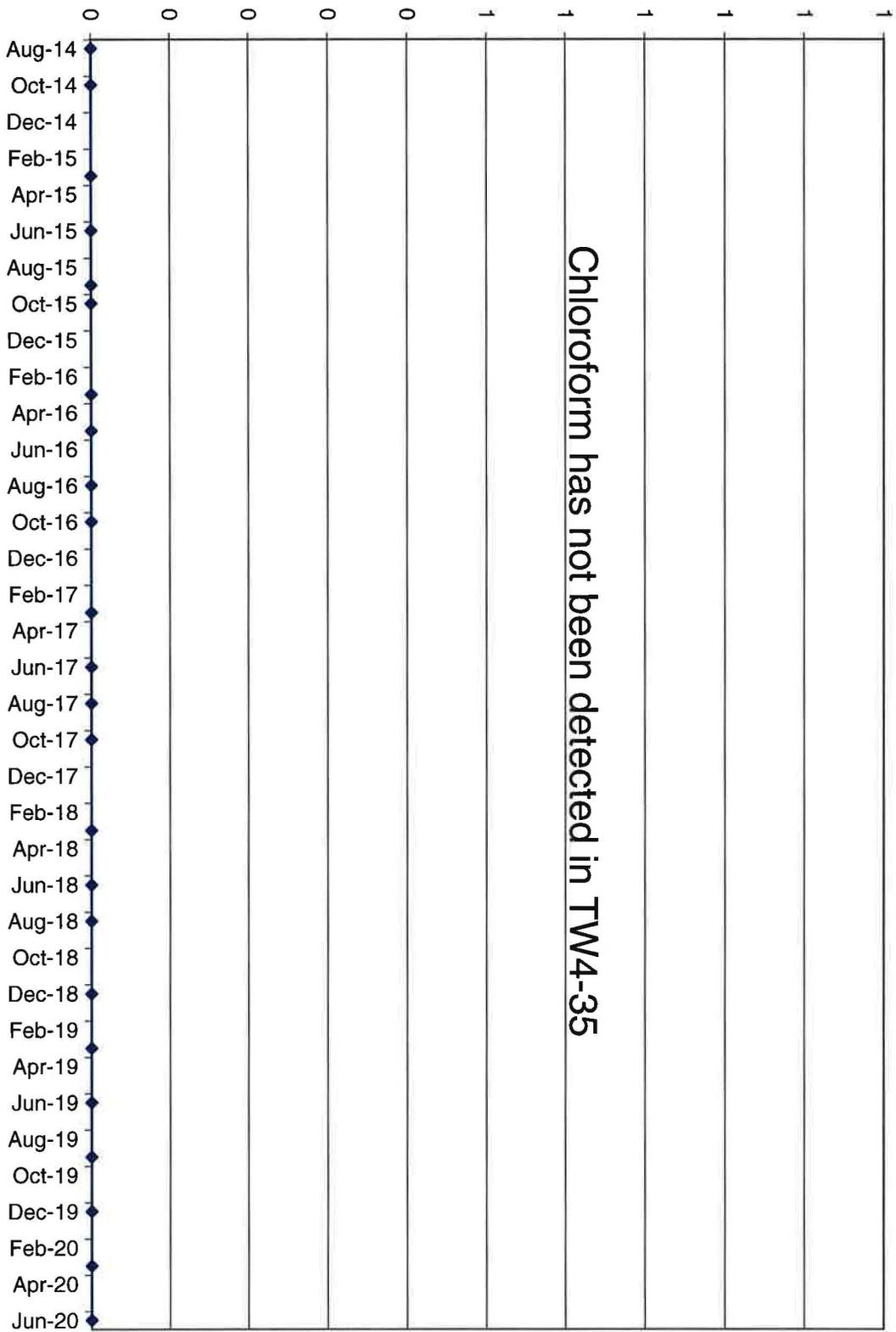
TW4-34	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
14-Nov-13	ND	ND	ND	ND	1.64	19.2
23-Jan-14	ND	ND	ND	ND	1.94	20.4
21-May-14	ND	ND	ND	ND	1.69	17.9
13-Aug-14	ND	ND	ND	ND	1.1	18
28-Oct-14	ND	ND	ND	ND	1.16	17.5
11-Mar-15	ND	ND	ND	ND	1.21	17.7
10-Jun-15	ND	ND	ND	ND	0.868	17.4
3-Sep-15	ND	ND	ND	ND	0.458	15.1
21-Oct-15	ND	ND	ND	ND	0.368	15.8
16-Mar-16	ND	ND	ND	ND	0.925	17.3
26-May-16	ND	ND	ND	ND	0.605	18
26-May-16	ND	ND	ND	ND	0.605	18
3-Aug-16	ND	ND	ND	ND	0.726	17.2
20-Oct-16	ND	ND	ND	ND	0.612	19.0
15-Mar-17	ND	ND	ND	ND	0.674	18.0
15-Jun-17	ND	ND	ND	ND	0.727	15.7
2-Aug-17	ND	ND	ND	ND	0.733	19.8
10-Oct-17	ND	ND	ND	ND	0.774	18.5
14-Mar-18	ND	ND	ND	ND	0.737	19.1
13-Jun-18	ND	ND	ND	ND	0.877	19.5
29-Aug-18	ND	ND	ND	ND	0.736	23.8
12-Dec-18	ND	ND	ND	ND	0.889	18.5
16-Mar-19	ND	ND	ND	ND	0.859	17.9
13-Jun-19	ND	ND	ND	ND	0.994	20.1
11-Sep-19	ND	ND	ND	ND	0.934	17.8
14-Dec-19	ND	ND	ND	ND	1.07	21.4
17-Mar-20	ND	ND	ND	ND	1.09	20.1
11-Jun-20	ND	ND	ND	ND	1.24	20.9

TW4-34 Chloroform Values



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
10-Jun-15	ND	ND	ND	ND	0.452	35.2
3-Sep-15	ND	ND	ND	ND	0.304	35.9
28-Oct-15	ND	ND	ND	ND	0.419	33.4
16-Mar-16	ND	ND	ND	ND	0.521	35.4
26-May-16	ND	ND	ND	ND	0.631	35.4
3-Aug-16	ND	ND	ND	ND	0.723	34.8
20-Oct-16	ND	ND	ND	ND	0.626	37.1
15-Mar-17	ND	ND	ND	ND	0.673	33.7
15-Jun-17	ND	ND	ND	ND	0.699	34.8
2-Aug-17	ND	ND	ND	ND	0.670	36.3
10-Oct-17	ND	ND	ND	ND	0.651	31.7
14-Mar-18	ND	ND	ND	ND	0.740	37.4
13-Jun-18	ND	ND	ND	ND	0.662	33.7
30-Aug-18	ND	ND	ND	ND	0.527	39.3
12-Dec-18	ND	ND	ND	ND	0.559	43.0
16-Mar-19	ND	ND	ND	ND	0.574	33.5
13-Jun-19	ND	ND	ND	ND	0.670	35.5
11-Sep-19	ND	ND	ND	ND	0.525	31.7
14-Dec-19	ND	ND	ND	ND	0.524	37.4
17-Mar-20	ND	ND	ND	ND	0.595	34.5
11-Jun-20	ND	ND	ND	ND	0.699	34.0

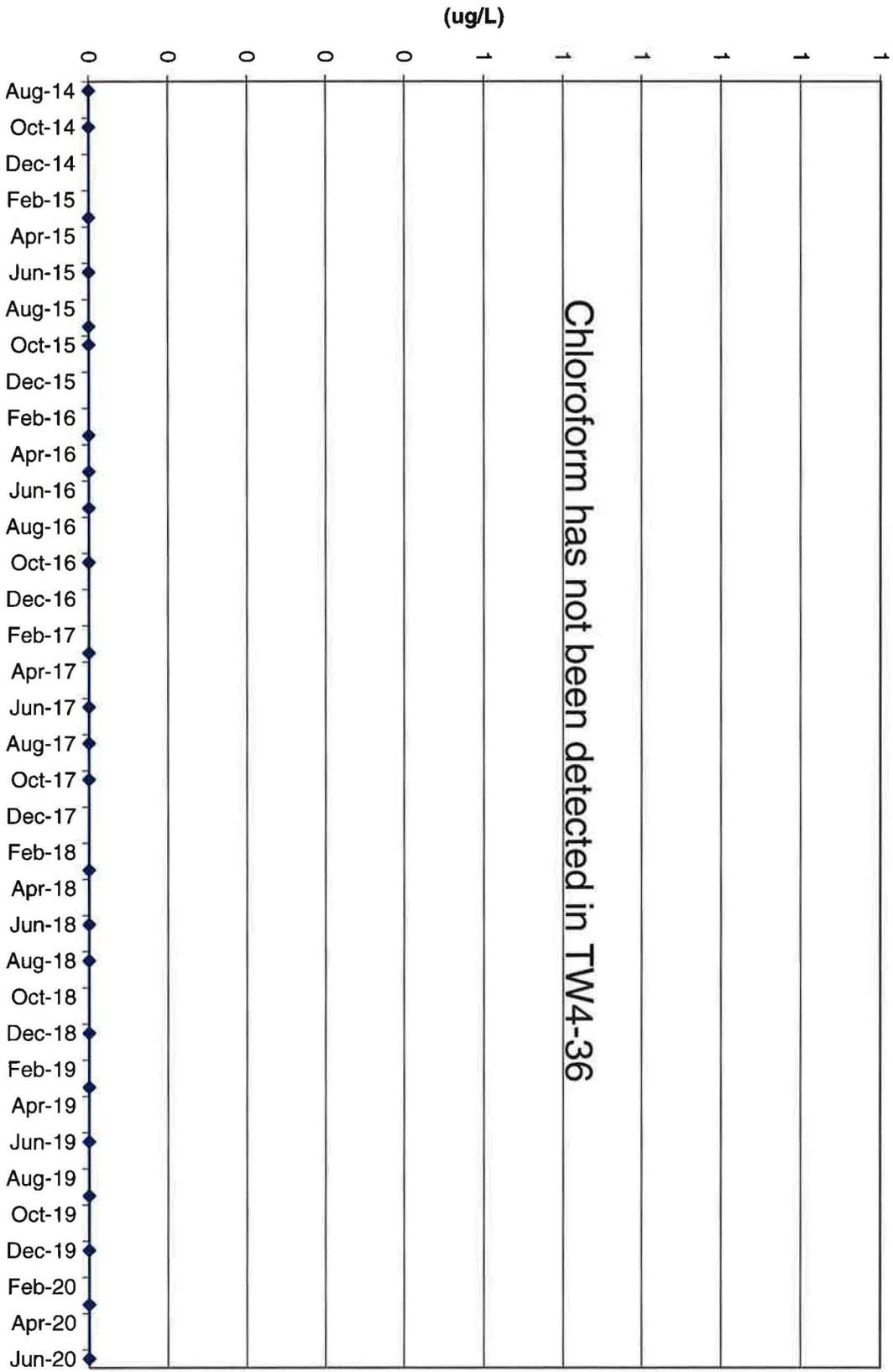
(ug/L)



TW4-35 Chloroform Values

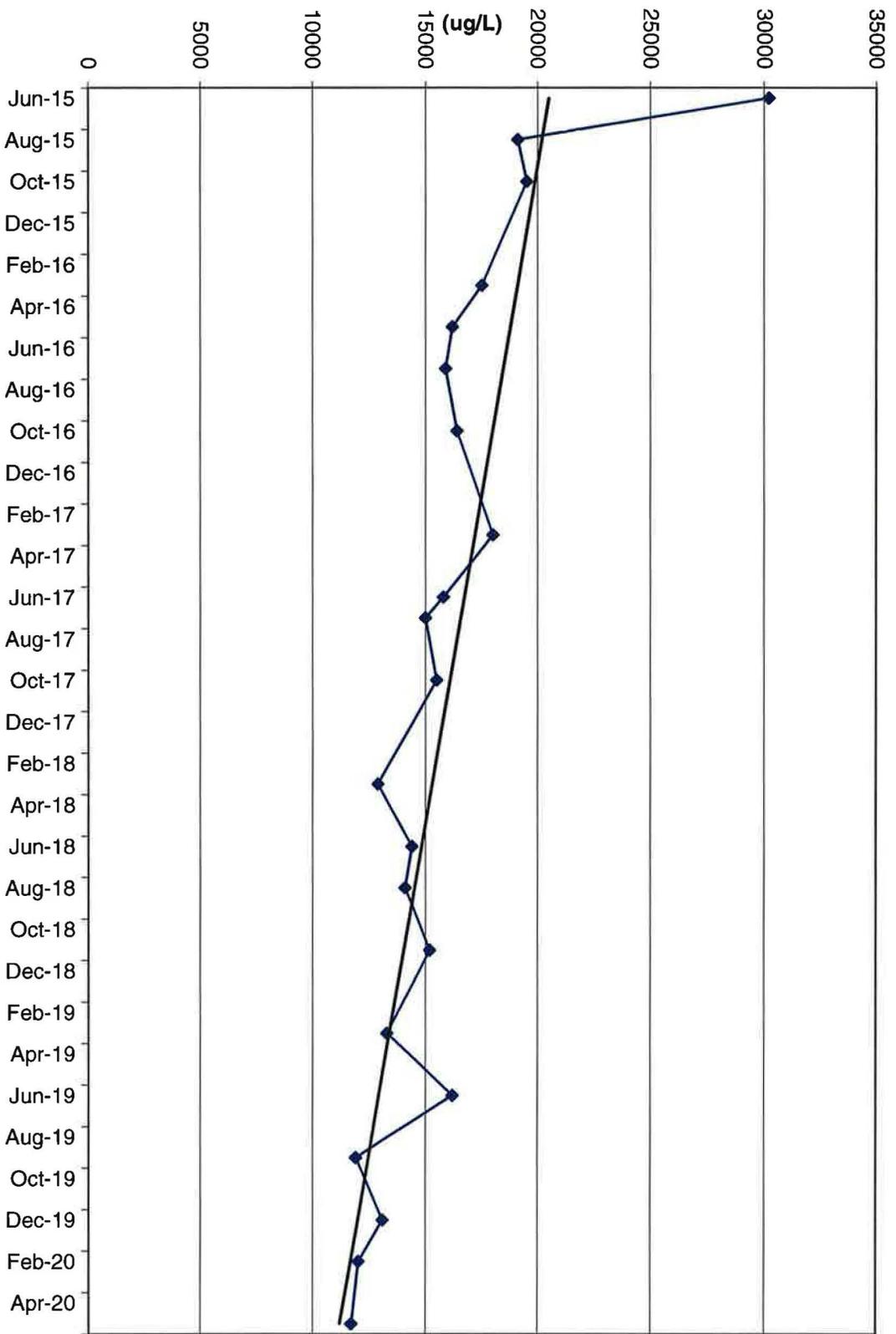
TW4-36	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Aug-14	ND	ND	ND	ND	ND	65
23-Oct-14	ND	ND	ND	ND	ND	67.3
11-Mar-15	ND	ND	ND	ND	ND	67.2
10-Jun-15	ND	ND	ND	ND	ND	69.3
3-Sep-15	ND	ND	ND	ND	ND	76.4
21-Oct-15	ND	ND	ND	ND	ND	64.5
16-Mar-16	ND	ND	ND	ND	ND	67.1
25-May-16	ND	ND	ND	ND	ND	72.3
27-Jul-16	ND	ND	ND	ND	ND	69.4
20-Oct-16	ND	ND	ND	ND	ND	73.8
15-Mar-17	ND	ND	ND	ND	ND	60.2
15-Jun-17	ND	ND	ND	ND	ND	71.3
2-Aug-17	ND	ND	ND	ND	ND	69.6
10-Oct-17	ND	ND	ND	ND	0.104	62.9
14-Mar-18	ND	ND	ND	ND	ND	73.8
12-Jun-18	ND	ND	ND	ND	ND	64.3
29-Aug-18	ND	ND	ND	ND	ND	76.4
12-Dec-18	ND	ND	ND	ND	0.123	65.8
16-Mar-19	ND	ND	ND	ND	0.116	65.0
13-Jun-19	ND	ND	ND	ND	ND	71.5
11-Sep-19	ND	ND	ND	ND	ND	69.6
14-Dec-19	ND	ND	ND	ND	ND	73.7
17-Mar-20	ND	ND	ND	ND	ND	69.1
11-Jun-20	ND	ND	ND	ND	ND	67.0

TW4-36 Chloroform Values



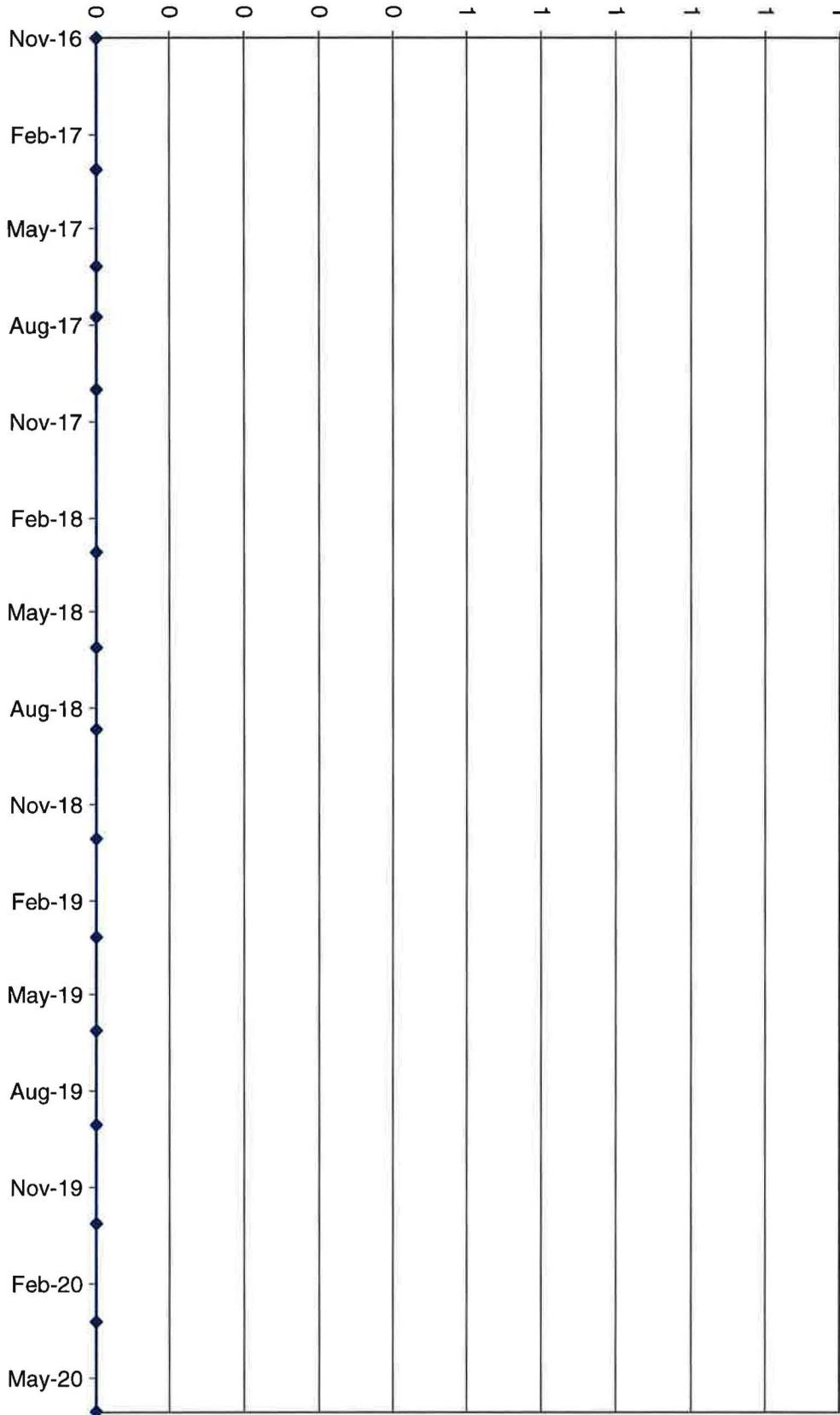
TW4-37	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
8-Jun-15	30200	18	16	2	35	345
31-Aug-15	19100	17	14	1.04	32	374
19-Oct-15	19500	13	9	1.17	35	399
9-Mar-16	17500	16	4	1.34	28.4	332
23-May-16	16200	14	ND	1.17	27.9	389
25-Jul-16	15900	17	ND	ND	33.4	294
12-Oct-16	16400	16	ND	ND	26.1	304
8-Mar-17	18000	15	ND	ND	32.3	305
13-Jun-17	15800	16	ND	ND	31.2	281
26-Jul-17	15000	15.1	ND	ND	30.5	277
11-Oct-17	15500	12.6	2.47	ND	30.6	255
12-Mar-18	12900	12.8	1.14	ND	30.0	263
8-Jun-18	14400	10.6	ND	ND	28.6	275
22-Aug-18	14100	12.1	6.20	ND	25.4	387
28-Nov-18	15200	11.3	19.8	ND	27.3	264
8-Mar-19	13300	13.8	1.2	ND	30.1	209
5-Jun-19	16200	14.6	ND	ND	31.2	250
4-Sep-19	11900	10.7	1.90	ND	25.8	228
10-Dec-19	13100	8.8	3.12	ND	25.5	220
19-Feb-20	12000	8.5	12.30	ND	28.3	236
27-May-20	11700	11.8	1.44	ND	28.3	321

TW4-37 Chloroform Values



TW4-38	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
10-Nov-16	ND	ND	ND	ND	11.2	40.0
15-Mar-17	ND	ND	ND	ND	10.6	35.7
15-Jun-17	ND	ND	ND	ND	10.8	36.2
2-Aug-17	ND	ND	ND	ND	10.1	36.9
10-Oct-17	ND	ND	ND	ND	10.3	31.3
14-Mar-18	ND	ND	ND	ND	9.34	36.5
13-Jun-18	ND	ND	ND	ND	9.48	33.1
30-Aug-18	ND	ND	ND	ND	7.77	39.2
12-Dec-18	ND	ND	ND	ND	8.48	35.0
16-Mar-19	ND	ND	ND	ND	8.96	33.5
13-Jun-19	ND	ND	ND	ND	8.53	33.7
11-Sep-19	ND	ND	ND	ND	7.61	31.6
14-Dec-19	ND	ND	ND	ND	7.51	36.0
17-Mar-20	ND	ND	ND	ND	8.11	33.4
11-Jun-20	ND	ND	ND	ND	9.00	34.9

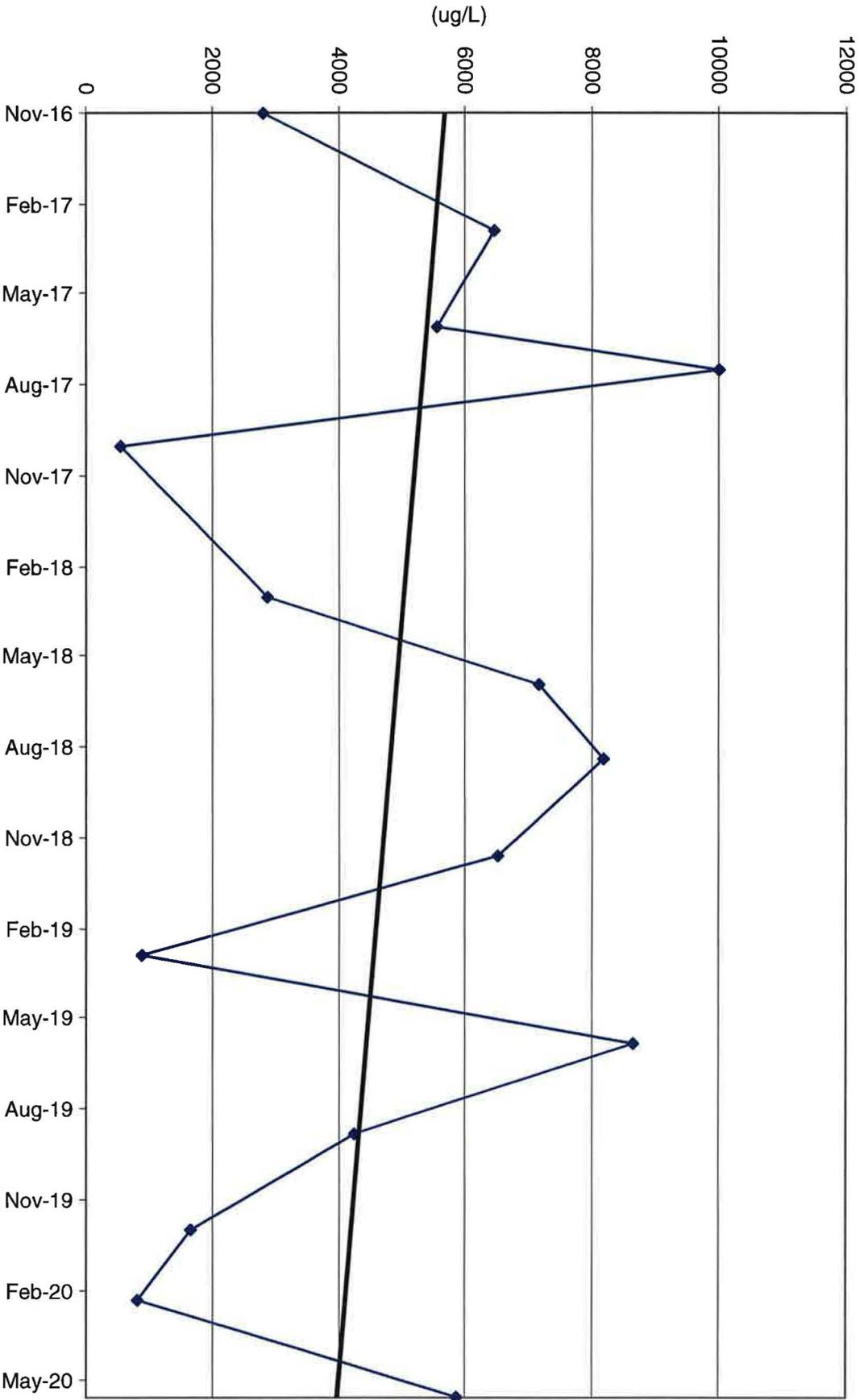
(ug/L)



TW4-38 Chloroform Values

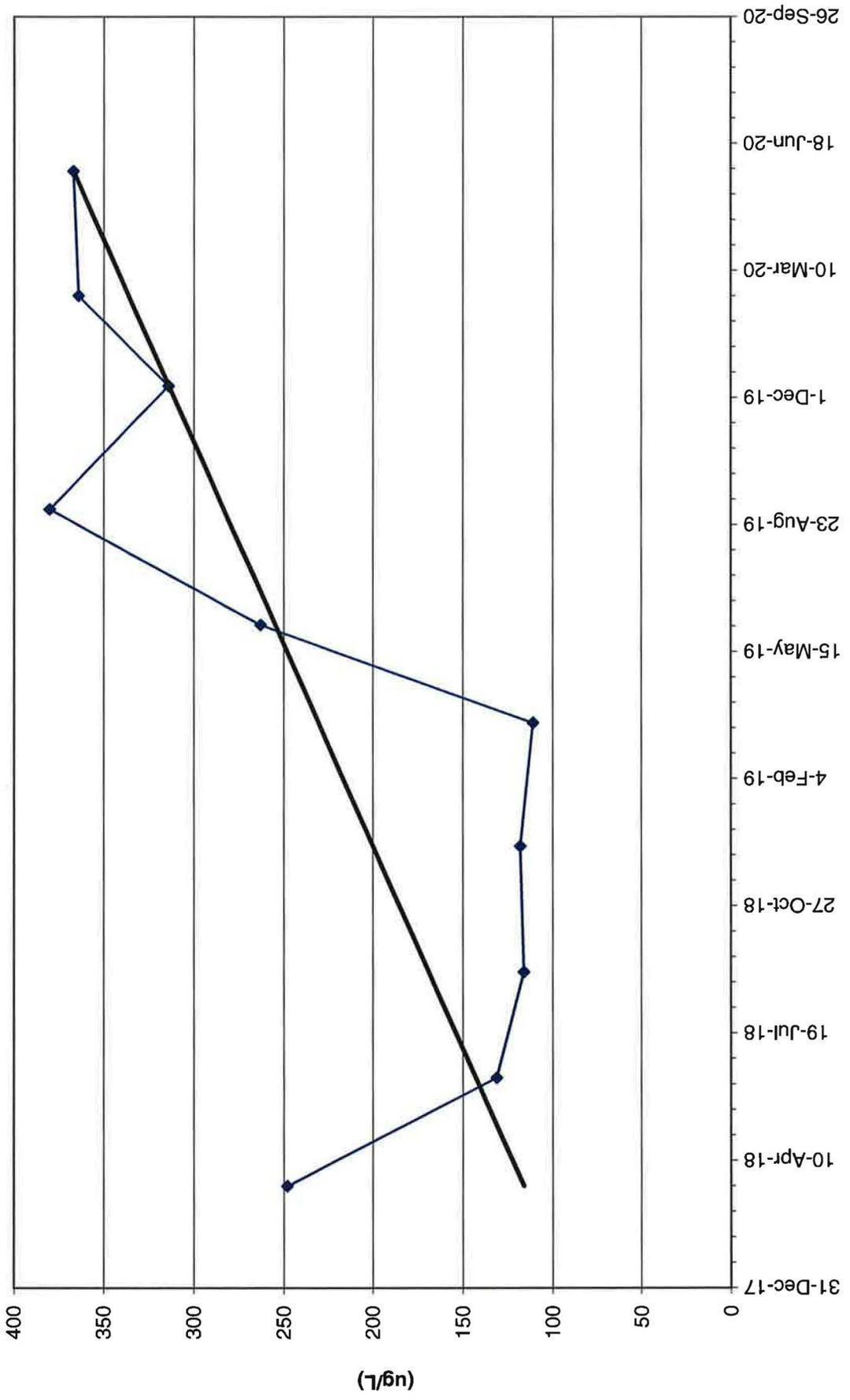
TW4-39	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
10-Nov-16	2800	ND	ND	ND	20.7	68.9
8-Mar-17	6460	8.15	ND	1.35	6.44	130
13-Jun-17	5560	8.20	ND	1.31	6.25	120
26-Jul-17	10000	14.40	ND	1.50	7.74	132
11-Oct-17	552	ND	ND	ND	2.65	73.5
12-Mar-18	2870	3.10	ND	ND	3.33	118
8-Jun-18	7160	7.94	ND	ND	4.84	107
22-Aug-18	8180	12.50	2.33	ND	6.05	110
28-Nov-18	6520	6.08	ND	ND	6.39	123
8-Mar-19	885	1.20	ND	ND	2.08	49.0
5-Jun-19	8640	11.60	ND	ND	8.45	114.0
4-Sep-19	4240	5.71	ND	ND	1.75	48.2
10-Dec-19	1650	1.14	ND	ND	0.948	74.7
19-Feb-20	812	ND	ND	ND	0.792	76.5
27-May-20	5870	7.56	ND	ND	5.010	88.5

TW4-39 Chloroform Values



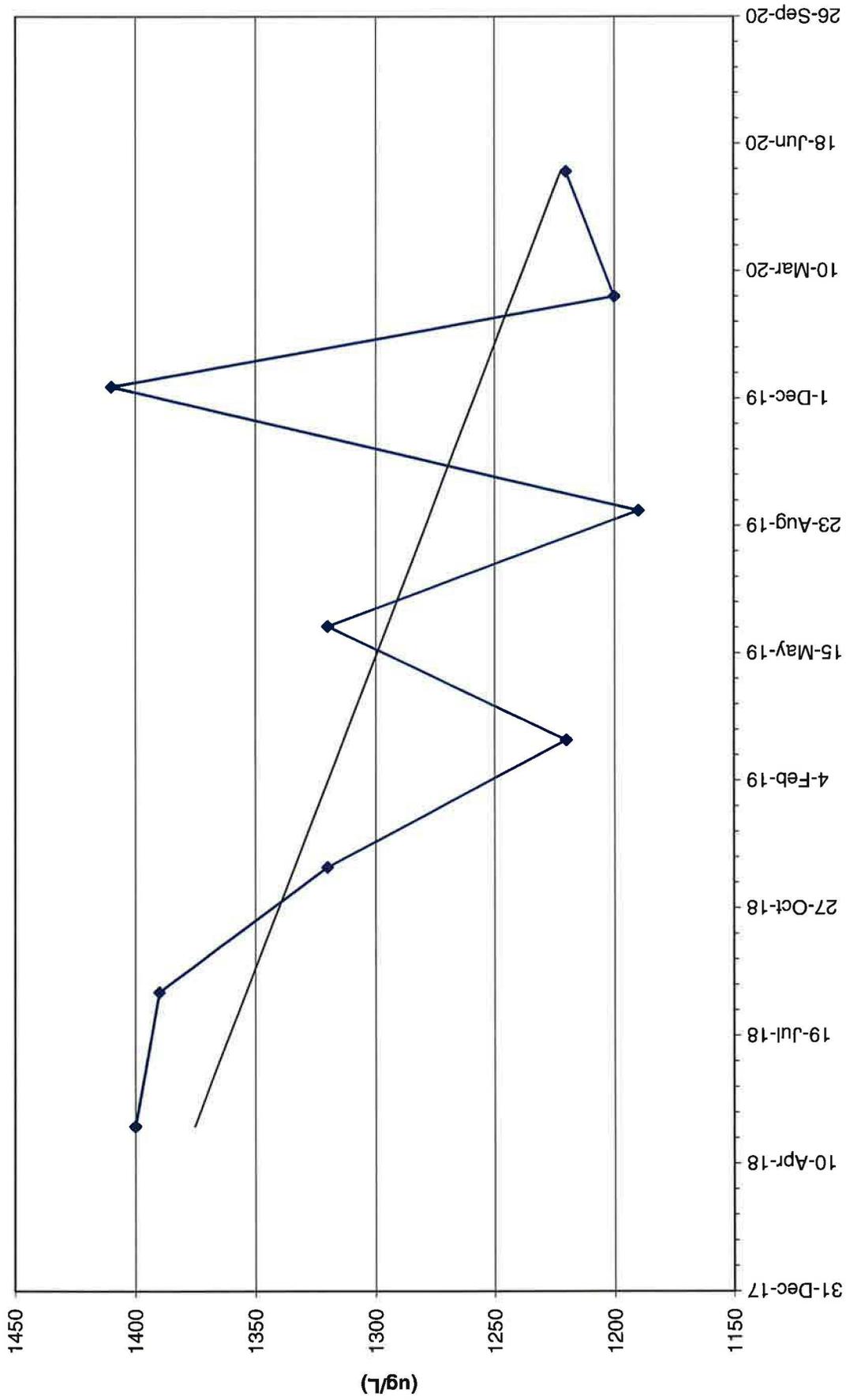
TW4-40	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
21-Mar-18	248	ND	ND	ND	3.08	35.7
14-Jun-18	131	ND	ND	ND	3.33	31.6
5-Sep-18	116	ND	ND	ND	3.22	37.6
13-Dec-18	118	ND	ND	ND	3.54	29.9
20-Mar-19	111	ND	ND	ND	3.18	30.9
5-Jun-19	263	ND	ND	ND	3.55	35.6
4-Sep-19	380	ND	ND	ND	3.39	35.9
10-Dec-19	314	ND	ND	ND	2.89	36.7
19-Feb-20	364	ND	ND	ND	2.98	38.5
27-May-20	367	ND	ND	ND	2.91	36.5

TW4-40 Chloroform Values



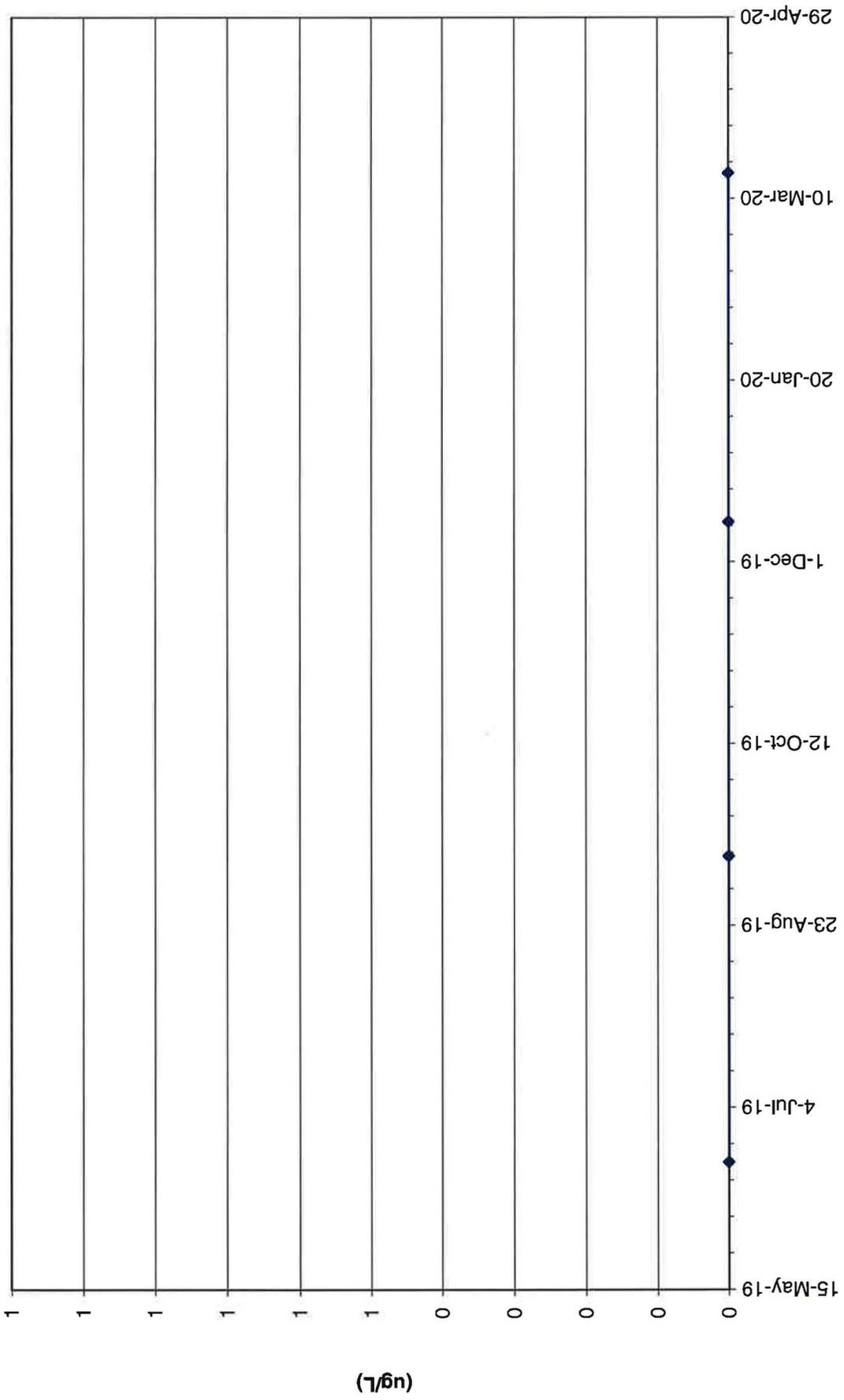
TW4-41	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
9-May-18	1400	ND	ND	ND	6.54	42.8
22-Aug-18	1390	ND	ND	ND	6.13	45.5
28-Nov-18	1320	ND	ND	ND	6.02	41.4
8-Mar-19	1220	ND	ND	ND	6.71	39.1
5-Jun-19	1320	ND	ND	ND	6.00	38.9
4-Sep-19	1190	ND	ND	ND	6.22	39.4
10-Dec-19	1410	ND	ND	ND	6.11	42.1
19-Feb-20	1200	ND	ND	ND	6.12	44.4
27-May-20	1220	ND	ND	ND	6.78	41.7

TW4-41 Chloroform Values



TW4-42	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-19	ND	ND	ND	ND	2.57	23.3
11-Sep-19	ND	ND	ND	ND	2.75	20.6
12-Dec-19	ND	ND	ND	ND	2.82	22.6
17-Mar-20	ND	ND	ND	ND	2.88	23.2
17-Mar-20	ND	ND	ND	ND	3.23	23.1

TW4-42 Chloroform Values



Tab L

Contour Map Based Chloroform Plume Mass Calculations and Data over Time

CHLOROFORM RESIDUAL MASS ESTIMATE DETAILS:

Chloroform Data File: CHL_SurferInput_Q2_20.xls

Gridding details:

- 1) **kriging parameters:** SURFER™ default parameters (point kriging, linear variogram, slope = 1, no anisotropy [anisotropy = 1], no search constraints [all data used])
- 2) **min x, max x (UTME[m]):** 631900, 633043
- 3) **min y, max y (UTMN[m]):** 4154240, 4155550.64
- 4) **grid spacing in x, y (m):** 15.24, 15.24
- 5) **artificial or pseudo-data:** none
- 6) **Q1, 2020 (previous quarter) data used at wells:** none

Chloroform residual mass estimate kriged grid files (ascii format):

Ucm2Q20wl.grd: second quarter, 2020 Water Level Grid (ft amsl)

Ucm2Q20bb.grd: second quarter, 2020 Aquifer Base Grid (ft amsl)

Ucm2Q20sat.grd: second quarter, 2020 Saturated Thickness Grid (ft)

Ucm2Q20logchl.grd: second quarter, 2020 log of chloroform grid (log of ug/L)

Ucm2Q20chl.grd: second quarter, 2020 Chloroform Concentration Grid (ug/L)

Ucm2Q20ge70.grd: second quarter, 2020 Chloroform Concentration GE 70 Grid (ug/L)

Ucm2Q20volm3.grd: second quarter, 2020 Groundwater Volume Grid (m³)

Ucm2Q20masslb.grd: second quarter, 2020 Chloroform Plume Mass Grid (lb)

Chloroform residual mass estimate kriged grid XYZ files (ascii format):

Ucm2Q20wl.dat: second quarter, 2020 Water Level Grid XYZ file (ft amsl)

Ucm2Q20bb.dat: second quarter, 2020 top of Aquifer Base Grid XYZ file (ft amsl)

Ucm2Q20sat.dat: second quarter, 2020 Saturated Thickness Grid XYZ file (ft)

Ucm2Q20logchl.dat: second quarter, 2020 log of chloroform grid XYZ file (log of ug/L)

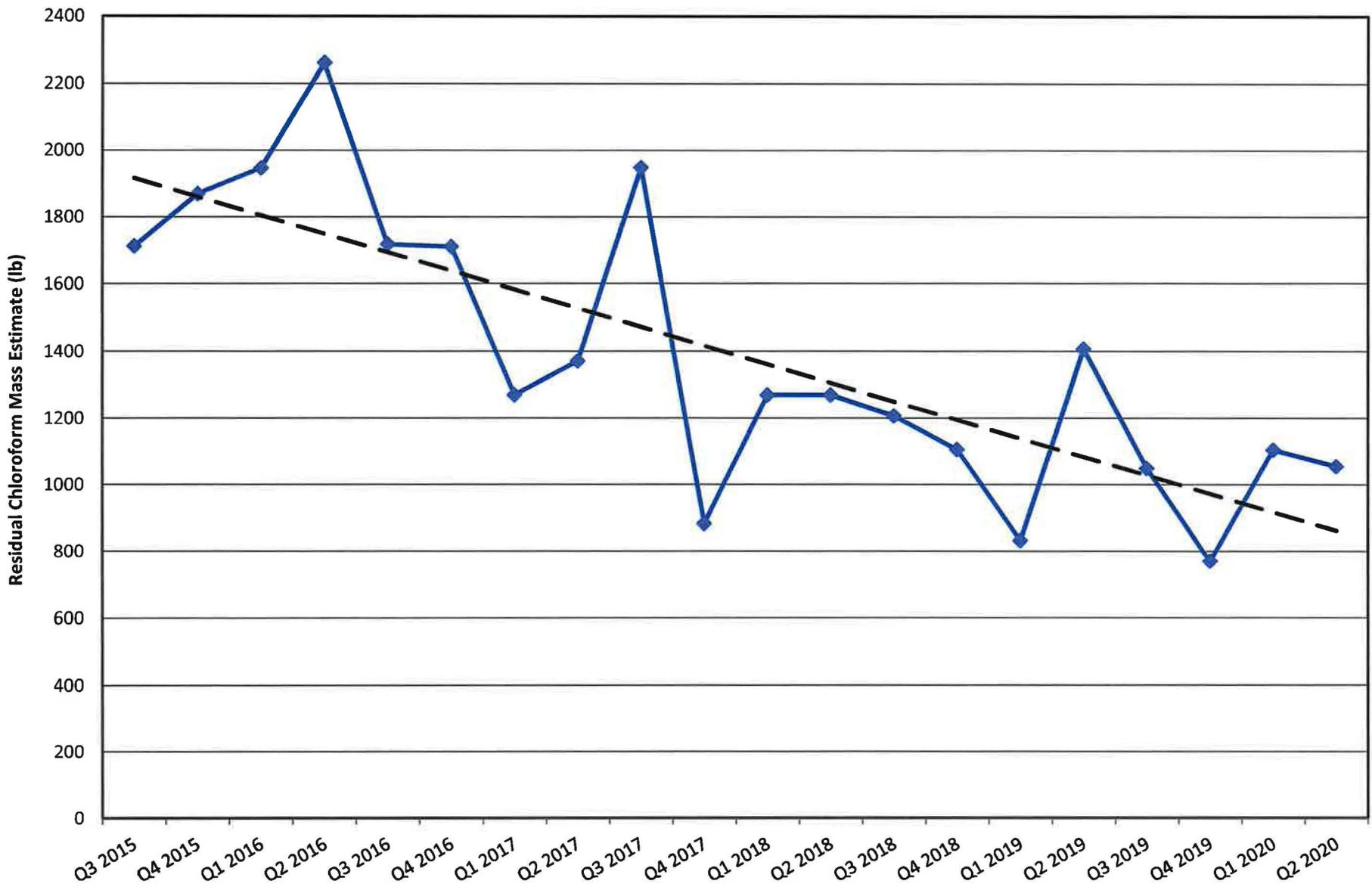
Ucm2Q20chl.dat: second quarter, 2020 Chloroform Concentration Grid XYZ file (ug/L)

Ucm2Q20ge70.dat: second quarter, 2020 Chloroform Concentration GE 70 Grid (ug/L) XYZ file

Ucm2Q20volm3.dat: second quarter, 2020 Groundwater Volume Grid XYZ file (m³)

Ucm2Q20masslb.dat: second quarter, 2020 Chloroform Plume Mass Grid XYZ file (lb)

Chloroform plume mass estimate file: Ucm2Q20result.xls



 mass estimate
 Linear (mass estimate)



**HYDRO
 GEO
 CHEM, INC.**

TIME SERIES OF RESIDUAL CHLOROFORM MASS ESTIMATES

Approved	Date	Author	Date	File Name	Figure
SJS		SJS		MassEstTimeSeries.xls	L.1

TABLE L.1
Chloroform Plume Residual Mass
Since Third Quarter 2015

Quarter	Residual Plume Mass (lbs)
Q3 15	1712
Q4 15	1869
Q1 16	1946
Q2 16	2261
Q3 16	1718
Q4 16	1711
Q1 17	1271
Q2 17	1372
Q3 17	1948
Q4 17	884
Q1 18	1271
Q2 18	1271
Q3 18	1208
Q4 18	1107
Q1 19	833
Q2 19	1408
Q3 19	1050
Q4 19	770
Q1 20	1106
Q2 20	1056

Notes:
lbs = pounds

Tab M

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Friday, August 14, 2020 12:52 PM
To: Phillip Goble
Cc: 'Dean Henderson'; David Frydenlund; Terry Slade; Scott Bakken; Logan Shumway; Paul Goranson
Subject: Transmittal of CSV Files White Mesa Mill 2020 Q2 Chloroform Monitoring
Attachments: 2005695-report-EDD.csv; 2006384-report-EDD.csv; 2006426-report-EDD.csv; Q2 2020 DTW all programs.csv; Q2 2020 Field Data.csv

Dear Mr. Goble,

Attached to this e-mail is an electronic copy of laboratory results for chloroform monitoring conducted at the White Mesa Mill during the second quarter of 2020, in Comma Separated Value (CSV) format.

Other electronic files required by the Corrective Action Plan are included on the CDs included with the hard copy reports.

Please contact me at 303-389-4134 if you have any questions on this transmittal.

Yours Truly

Kathy Weinel



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>

This e-mail is intended for the exclusive use of person(s) mentioned as the recipient(s). This message and any attached files with it are confidential and may contain privileged or proprietary information. If you are not the intended recipient(s) please delete this message and notify the sender. You may not use, distribute print or copy this message if you are not the intended recipient(s).

Tab N

Exceedance Notices for the Reporting Period

This attachment has been deliberately left blank.