2017 Annual Groundwater Monitoring Report

Thoreau Compressor Station No. 5
Section 20, Township 14N, Range 13W
McKinley County, New Mexico
AP-102

Transwestern Pipeline Company, LLC

GHD | 6121 Indian School Road NE Suite 200 Albuquerque New Mexico 87110 USA

086242 | Report No 5 | March 15 2018

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1. Introduction

1.1 Introduction

GHD Services, Inc. (GHD) is pleased to submit this 2017 Annual Groundwater Monitoring Report on behalf of Transwestern Pipeline, LLC (Transwestern). The Thoreau Compressor Station Number 5 (hereafter referred to as the "Site") is situated approximately 1.5 miles north northwest of Thoreau, McKinley County, New Mexico. Geographical coordinates for the Site are 35° 25' 34.55" North and 108° 14' 9.63" West. Properties adjacent to the Site are owned by the Navajo Nation and the Bureau of Land Management. A Site Location Map and Site Detail Map are included as Figures 1 and 2, respectively. The Site is owned by Transwestern, an Energy Transfer company, and operated by Energy Transfer Company (ETC). GHD conducted groundwater sampling at the Site on March 28, 2017 and performed chemical injections with sodium persulfate on March 28, June 26 and October 6, 2017.

1.2 Background

In March 1989, Daniel B. Stephens & Associates (DBS&A) was retained by Transwestern to investigate the hydrogeology at four compressor stations. A Consent Decree had been issued by the Environmental Protection Agency (EPA) due to the potential release of polychlorinated biphenyl (PCB) compounds in soils at these sites. Transwestern utilized synthetic lubricating oil containing Aroclor 1242 in a gas turbine, which may have contaminated downstream elements of the Transwestern system. The potential PCB releases may have occurred from natural gas condensate liquid waste generated during pipeline cleaning operations.

The results of this initial investigation revealed the presence of hydrocarbons and PCBs within a shallow alluvial aquifer beneath the Site. However, impacts to the regional aquifer were not found. The Consent Decree was terminated following a determination by the EPA in late 1992. The EPA concluded that Transwestern had met the terms and conditions of the Consent Decree. Following termination of the Consent Decree, Transwestern began working solely with the New Mexico Oil Conservation Division (NMOCD) and the Navajo Nation for Site monitoring and remediation activities to address remaining impacts to the shallow alluvial aquifer.

From April to December of 1992, a nitrate injection pilot test was conducted at the Site in the immediate vicinity of monitoring well 5-35B. The pilot test was performed to assess the feasibility of nitrate enhanced bioremediation of Site impacts. The pilot test resulted in reductions in concentrations of toluene, xylene, and ethylbenzene; however, no significant reduction in benzene was observed. Following the test, a decision was made to pursue bioremediation based on aerobic rather than anaerobic degradation.

The Phase I remediation system was placed into service on December 9, 1994. This system consisted of a single 1/2 HP electric regenerative blower which extracted soil vapor from monitoring well 5-35B.

The Phase II system was implemented in 1996 with the installation of 11 air sparge points (AS-1 thru AS-11), two dedicated soil vapor extraction (SVE) wells (SVE-1 and SVE-2), and the

installation of associated surface equipment. During drilling activities at AS-2, soil impacts originating from a former surface impoundment for gas condensate liquids were discovered (Figure 2). It was determined that this former surface impoundment was likely the primary source of benzene impacts at the Site. The Phase III system was implemented in late 1997 with the addition of five air sparge wells (AS-12 through AS-16 see Figure 3) and two additional SVE wells (SVE-3 and SVE-4). The SVE system was shut down in November 2010 due to declining volatile organic compounds (VOCs) detected in the system influent.

In 2006, during construction to replace the pig receiver, a petroleum hydrocarbon odor was noted as soil was excavated from around the concrete pedestal supporting the receiver. Laboratory analysis of a soil sample from the area revealed elevated total petroleum hydrocarbons (TPH). Subsequently, 130 cubic yards of soil was excavated from the area around the pig receiver and in the area down gradient of the old waste pit. Waste characterization samples were taken from soil stockpiles prior to disposal. The samples revealed elevated TPH in the diesel and motor oil range, as well as trace amounts of PCBs.

Concentrations of PCBs have been detected in groundwater samples collected from two Site wells in the extreme southeast corner of the facility (monitoring wells 5-59 and 5-06C) since 1989. The concentrations of PCBs in these wells have been gradually decreasing to below regulatory levels.

Site consulting responsibilities were transferred from Cypress Engineering to GHD in January 2014.

GHD advanced five hollow stem auger borings at the Site to assess residual hydrocarbon concentrations in the soil during the weeks of November 17 and November 24, 2014. Analytical data from the soil borings indicated residual benzene, toluene, ethylbenzene, and xylenes (BTEX) and TPH concentrations in the vicinity of 5-35B and SVE-03.

By 2014, a number of down gradient or dry monitoring wells were no longer viable for data collection. Eleven monitoring wells and two SVE wells were plugged and abandoned during the weeks of November 17 and November 24, 2014. These wells were plugged and abandoned with the approval of the Navajo Nation Environmental Protection Agency (NNEPA) and the Navajo Nation Water Code Administration (NNWCA).

A work plan (dated September 29, 2015) to assess the Site for remediation by chemical oxidation was submitted to both the NNEPA and NMOCD. The work plan included collecting bulk samples and performing treatability testing.

To assist with a treatability study to perform chemical oxidation at the Site, bulk soil and groundwater samples were collected. A bulk composite groundwater sample was collected from 5-02C, 5-35B, and SVE-3 in conjunction with groundwater sampling on April 13, 2015. Two hollow stem auger borings were advanced on October 27, 2015 to collect the bulk soil sample. Enviro Drill, Inc. of Albuquerque, New Mexico performed the drilling using a CME 75 drill rig. The bulk samples were placed in laboratory prepared containers, stored in a cooler on ice, and shipped to the GHD ITG laboratory located in Niagara Falls, New York.

Based on the treatability study, in situ chemical oxidation (ISCO) was recommended by the GHD ITG to further reduce the petroleum hydrocarbon concentrations due to its effectiveness at similar sites. Sodium hydroxide catalyzed sodium persulfate was the recommended oxidant.

Currently, groundwater monitoring occurs on an annual basis, most recently on March 28, 2017. GHD injected air sparge wells AS-4, AS-10, and AS-15 with sodium persulfate and sodium hydroxide during three injection events in 2017. Details about 2017 field activities are discussed below.

1.3 Hydrogeology

The Chinle Formation is the principal bedrock underlying the Site. The Chinle Formation is comprised primarily of red claystone and mudstones and is roughly 1,000 to 1,300 feet thick. In addition, there is a middle Chinle Formation member, the Sonsela sandstone, which is approximately 90 to 130 feet thick at a depth of approximately 650 feet below ground surface (bgs). The Sonsela sandstone is the shallowest aquifer that is used as a water supply in the Thoreau area.

The Chinle Formation is overlain by 30 to more than 75 feet of alluvium over most of the Site and surrounding area. The alluvium consists of reddish brown, silty sand that is fine to very fine grained, moderately to well sorted, with thin, silty interbeds. Approximately 1 to 5 feet of weathered, sandy clay marks the transition between the surficial alluvium and underlying Chinle Formation.

Perched groundwater is present in the alluvium over the Chinle Formation. The perched zone is approximately 3 feet thick for most of the Site, with the thickness increasing locally due to the presence of paleo channels that occur from the erosion of the Chinle Formation.

2. Groundwater Monitoring Methodology and Analytical Results

2.1 Groundwater Monitoring Summary

A groundwater monitoring event was conducted at the Site on March 28, 2017. Prior to collection of groundwater samples, depth to groundwater in each well was measured using a cleaned oil/water interface probe. Groundwater elevations are detailed in Table 1. A groundwater Potentiometric Surface Map is presented as Figure 4. The groundwater gradient was approximately 0.045 feet per foot between monitoring wells 5-35B and 5-18B. Depth to groundwater ranged from 51.66 to 62.66 feet below top of casing in monitoring wells 5-59 and 5-18B, respectively. Apparent groundwater flow at the Site is to the southwest and is consistent with historical data.

2.2 Groundwater Monitoring Methodology

During the March 2017 monitoring event, monitoring wells (SVE-3, 5-18B, 5-20B, 5-35B, 5-06C and 5-59) were purged of at least three well volumes or until dry using dedicated, disposable 1.5 inch polyethylene bailers. While purging each well, groundwater parameter data including temperature, pH, conductivity, and oxidation reduction potential were collected using a multi-parameter groundwater quality meter. Field parameters are summarized on Table 2. Groundwater samples were placed in laboratory prepared containers, packed on ice, and delivered under chain of custody documentation to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico.

Groundwater samples from monitoring wells SVE-3, 5-18B, 5-20B, 5-35B, 5-06C and 5-59 were analyzed for BTEX by EPA Method 8260. Groundwater samples from monitoring wells 5-06C and 5-59 were also analyzed for PCBs by EPA Method 8082. Groundwater samples from monitoring wells SVE-3 and 5-35B were also analyzed for sulfate by EPA Method 300.0, dissolved iron by EPA Method 6010B, and total iron by EPA Method 6010B. A summary of analytical results for BTEX constituents is presented on Table 3. A summary of analytical results for PCBs is presented on Table 4. A summary of analytical results for sulfate, dissolved iron, and total iron is presented on Table 5. BTEX and PCB concentrations for the March 28 sampling event are shown on Figure 5.

A groundwater sample was not collected from 5-02C during the monitoring event due to the presence of light non-aqueous phase liquid (LNAPL) during well purging. Additionally, a sample was not collected from 5-16B because it was believed that the well was dry.

2.3 Groundwater Monitoring Analytical Results

The Navajo Nation Environmental Protection Agency (NNEPA) mandates that groundwater quality on the Navajo Nation be protected pursuant to the Navajo Nation Safe Drinking Water Act and the Navajo Nation Clean Water Act. Groundwater quality standards for the NNEPA follow the National Primary Drinking Water Standards set by the Environmental Protection Agency.

Any constituents of concern that were detected in groundwater samples above NNEPA standard are listed below.

Results of the March 2017 groundwater monitoring event are as follows:

- **Benzene:** The NNEPA groundwater quality standard for benzene is 5 micrograms per liter (µg/L). Groundwater samples collected from monitoring wells 5-35B, and SVE-3 contained benzene at concentrations of 1,800 µg/L and 4,300 µg/L, respectively (Figure 5). The concentrations are generally decreasing with time.
- **PCBs:** The NNEPA groundwater quality standard for PCBs is 0.5 µg/L. Groundwater samples collected from monitoring wells 5-06C and 5-59 contained PCBs at concentrations of 1.2 µg/L and 7.8 µg/L, respectively (Figure 5). This generally indicates an increase in concentrations since the last sampling event (Table 4).

  A copy of the laboratory analytical report for the annual groundwater monitoring event is included in Appendix A.

3. ISCO Injection

3.1 Introduction and Objectives

In situ chemical oxidation (ISCO) was recommended by the GHD ITG to further reduce the petroleum hydrocarbon concentrations due to its effectiveness at similar sites. ISCO is an effective method for treating localized high concentrations of a wide range of organic compounds, including BTEX compounds. In an oxidation reaction, the oxidizing agent breaks the carbon bonds in the hydrocarbons and converts them into nonhazardous compounds, primarily carbon dioxide and

water. Commonly used oxidizing reagents include potassium permanganate, Fenton's Reagent (hydrogen peroxide in a solution of ferrous salts), catalyzed sodium persulfate, and ozone.

GHD injected air sparge wells AS-4, AS-10, and AS-15 with approximately 1,620 gallons of sodium persulfate and sodium hydroxide solution on March 28, June 26, and October 5, 2017 for an approximate yearly total of 4,860 gallons.

3.2 ISCO Monitoring

To help assess the effectiveness of the ISCO injections, monitoring wells MW 5-35B and SVE-3 were sampled prior to each injection event and analyzed using the previously established methodology. A summary of this data can be found in Table 5 and Figure 5. Additionally, BTEX data from the pre injection samples can also be found on Table 3.

GHD believes that the data indicates that the aquifer is experiencing an effect from injections based on the reduction in BTEX concentrations in the groundwater. However, the monitor wells that are utilized for observation are too far away for a direct reduction in BTEX concentrations to be observed. Based on this GHD is proposing the following for 2018.

- Perform the annual monitoring event to include the air sparge wells that were used for ISCO injections (AS-4, AS-10, and AS-15).
- Include analysis of sulfate, dissolved iron, and total iron for each of the wells sampled.

GHD will evaluate the results of the sampling event to assess the effectiveness of the injections that have been performed to date. Based on the assessment, GHD may recommend additional injections in different air sparge wells or suggest the installation of additional injection wells.

4. Summary and Recommendations

4.1 Summary

A summary of the annual groundwater monitoring event is as follows:

- Groundwater from monitoring well 5-02C was found to contain LNAPL during purging activities and was not sampled.
- Benzene concentrations above the NNEPA standards are present in monitoring wells 5-35B, and SVE-3. Elevated BTEX concentrations in groundwater appear to be localized to an area extending from 5-35B to 5-02C and from 5-35B to 5-16B.
- PCB concentrations above the NNEPA standard were present in monitoring wells 5-06C and 5-59.

4.2 Recommendations

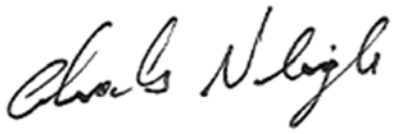
Based on the findings listed above, GHD recommends the following:

- Continuation of annual groundwater monitoring.

- Perform site-wide assessment of sulfate concentrations to determine path forward for potential ISCO injections.

All of Which is Respectfully Submitted,

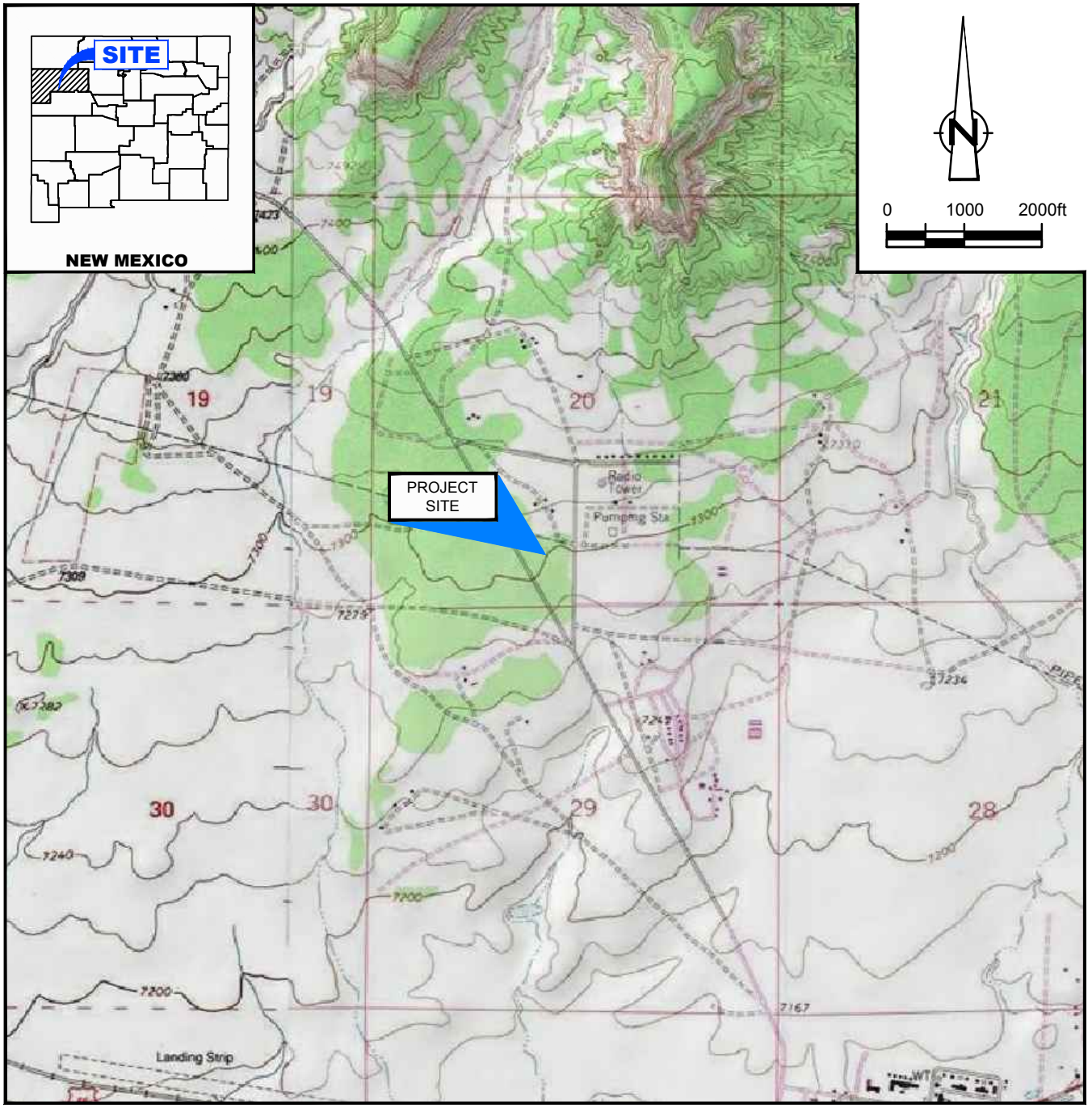
GHD



Charles Neligh
Project Scientist/Coordinator

Bernard Bockisch, PMP
Senior Project Manager

Figures

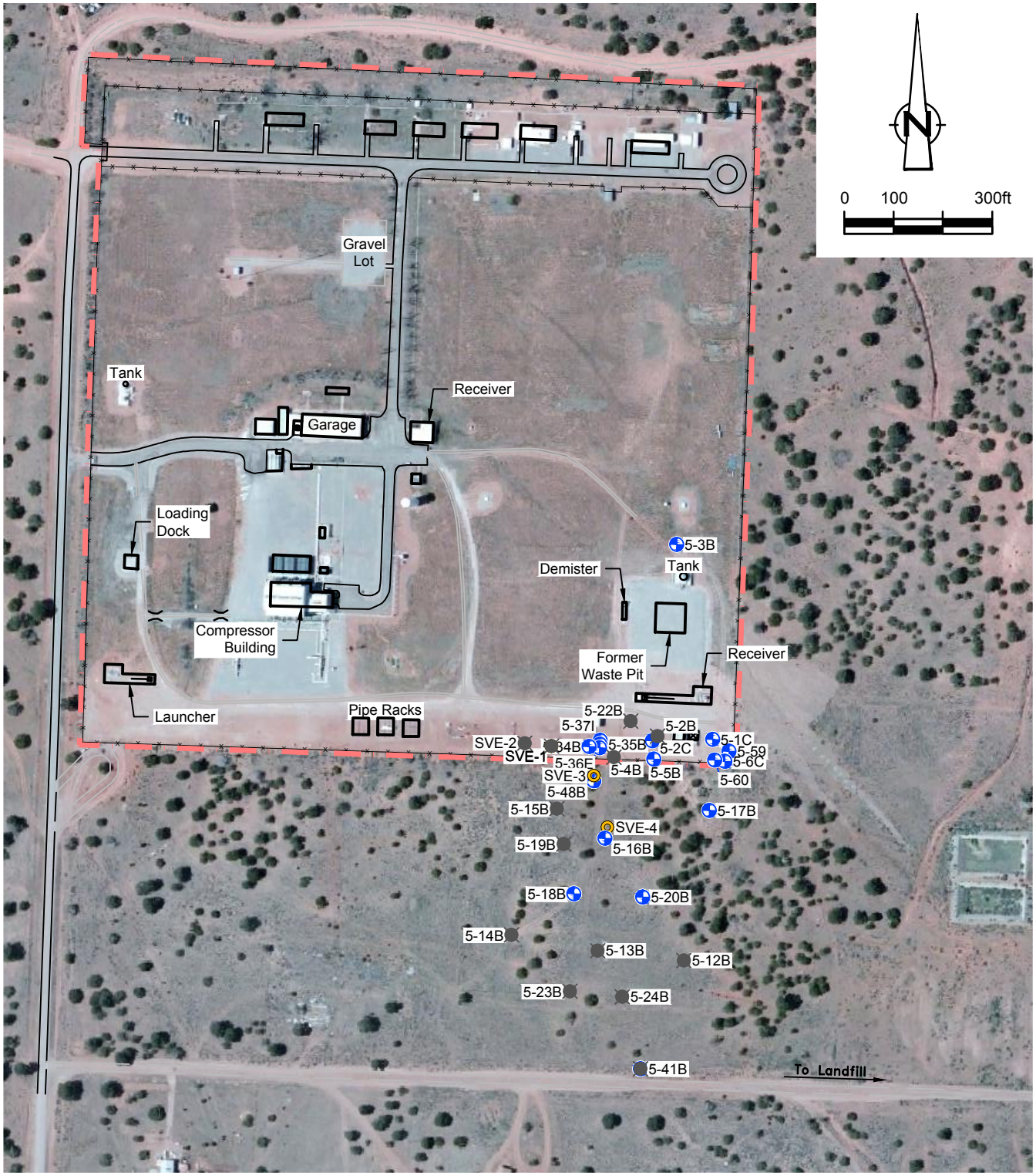


SOURCE: USGS 7.5 MINUTE QUAD
"BELL LAKE AND TIP TOP WELLS, NEW MEXICO"

LAT/LONG: 35.4262° NORTH, 108.2360° WEST
COORDINATE: NAD83 DATUM, U.S. FOOT
STATE PLANE ZONE - NEW MEXICO WEST

Figure 1

SITE LOCATION MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC



LEGEND

- Monitor Well Location
- SVE Well Location
- Plugged and Abandoned Monitoring Well
- Approximate Station Boundary
- Fence Line

Figure 2

SITE DETAIL MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

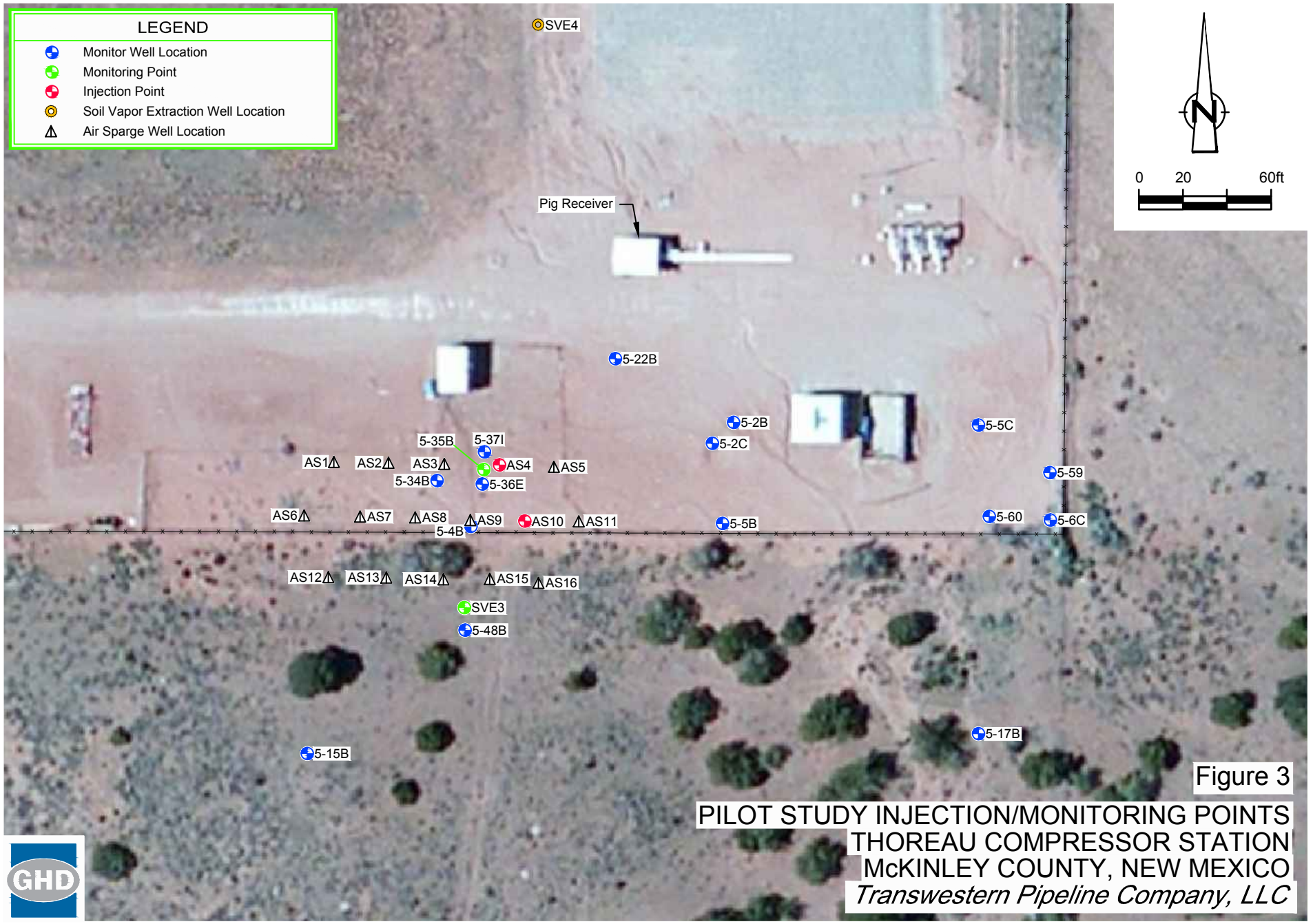


Figure 3

PILOT STUDY INJECTION/MONITORING POINTS
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

GHD

086242-00(005)GN-DL004 MAR 6, 2018

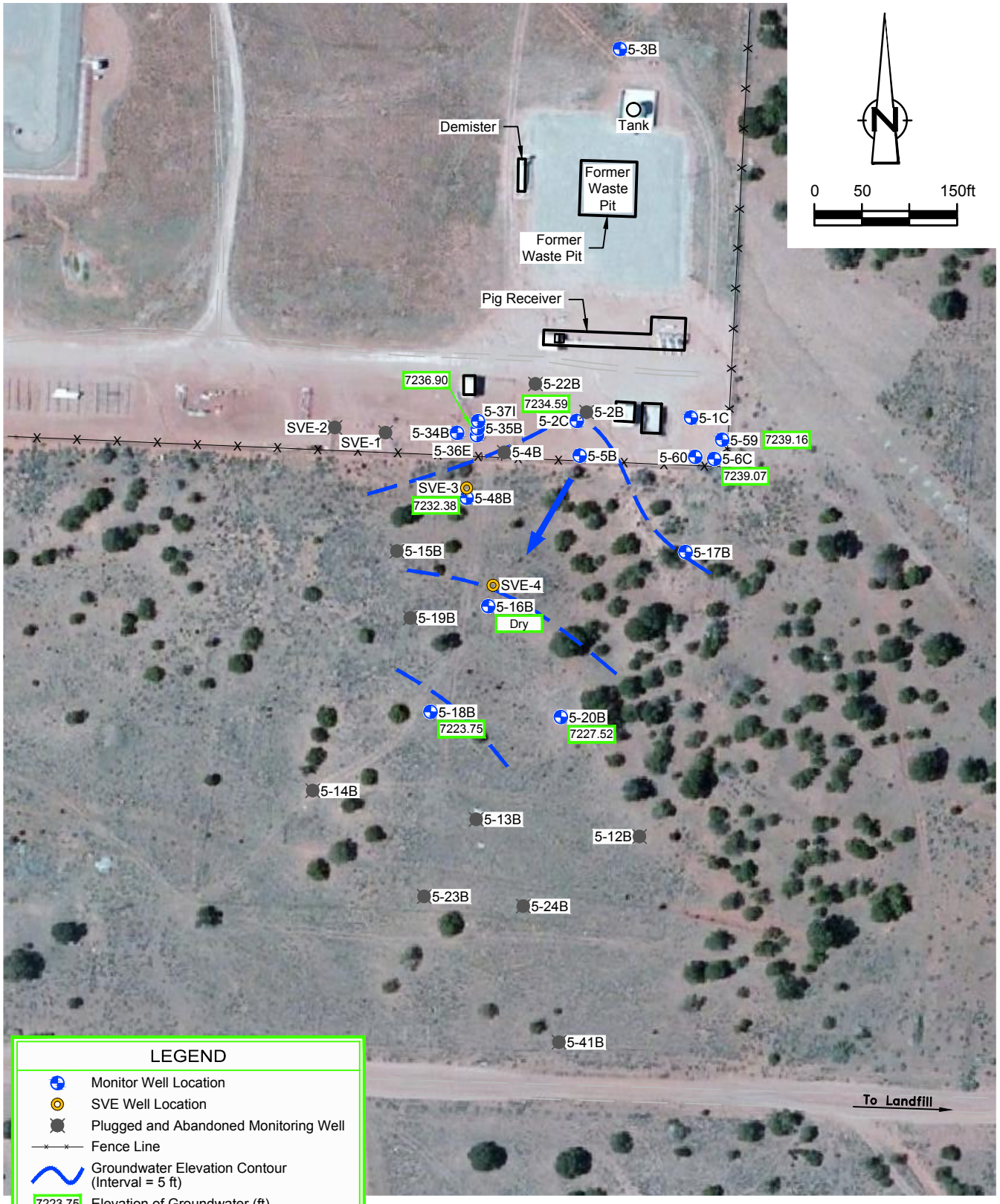


Figure 4

MARCH 2017 POTENTIOMETRIC SURFACE MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

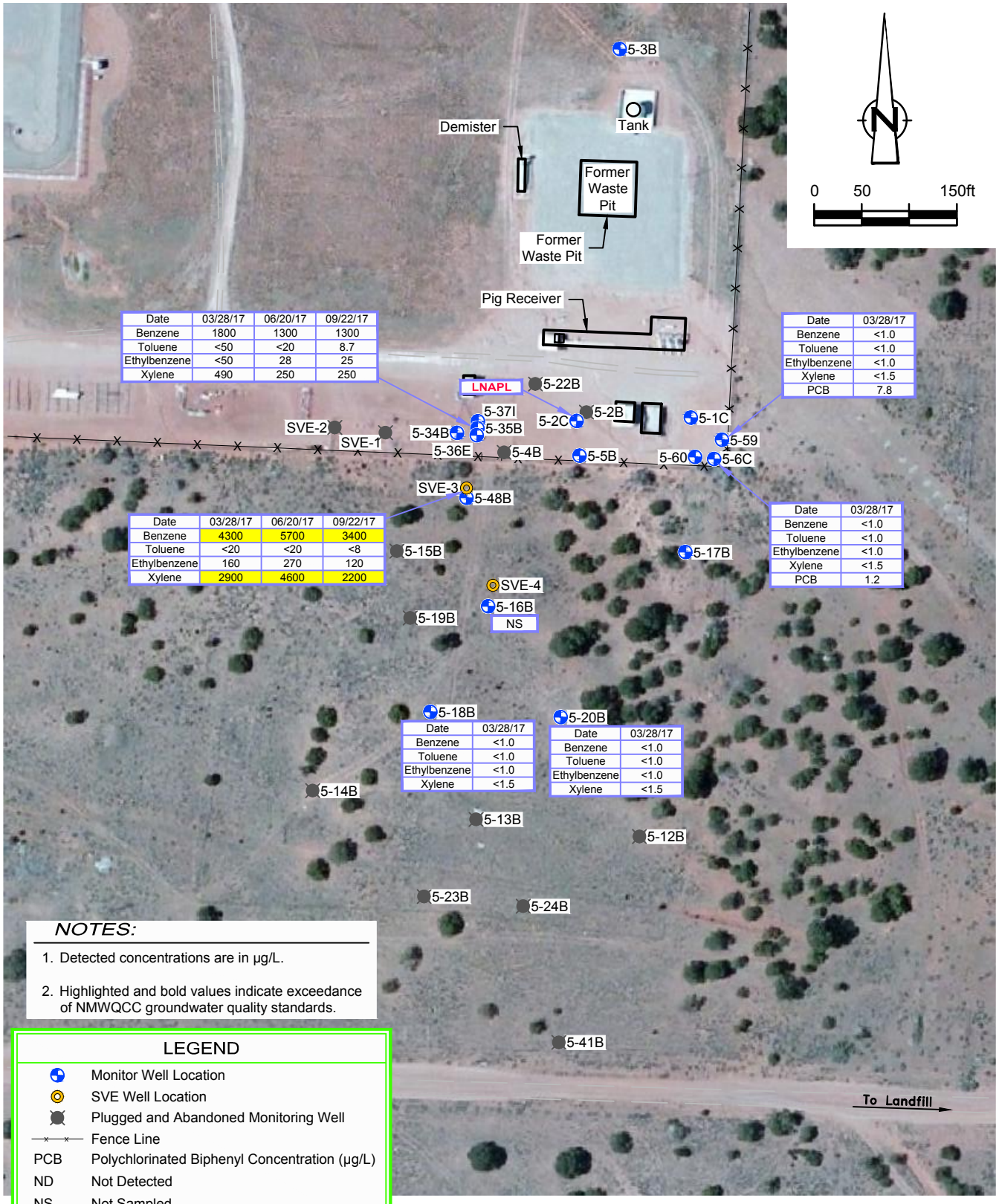


Figure 5

2017 BTEX AND PCB CONCENTRATION MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

GHD

Tables

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-01B	7,290.53	08/29/90	---	44.69	---	7245.84
		11/08/90	---	44.70	---	7245.83
		01/08/91	---	44.82	---	7245.71
		02/05/91	---	44.86	---	7245.67
		03/05/91	---	44.91	---	7245.62
		04/10/91	---	44.94	---	7245.59
		05/21/91	---	45.08	---	7245.45
		06/18/91	---	45.15	---	7245.38
		07/23/91	---	45.28	---	7245.25
		09/04/91	---	45.38	---	7245.15
		10/02/91	---	45.52	---	7245.01
		11/06/91	---	45.63	---	7244.90
		12/10/91	---	45.64	---	7244.89
		01/09/92	---	45.61	---	7244.92
		01/27/92	---	45.53	---	7245.00
		02/20/92	---	45.39	---	7245.14
		03/18/92	---	45.18	---	7245.35
		04/29/92	---	44.78	---	7245.75
		10/06/92	---	43.71	---	7246.82
		10/14/92	---	43.67	---	7246.86
		04/19/93	---	42.96	---	7247.57
		11/14/95	---	46.16	---	7244.37
		02/15/96	---	46.64	---	7243.89
		05/21/96	---	47.32	---	7243.21
		08/12/96	---	NM	---	---
		11/18/96	---	47.91	---	7242.62
		02/24/97	---	48.31	---	7242.22
		05/19/97	---	48.57	---	7241.96
		08/18/97	---	48.77	---	7241.76
		11/16/97	---	49.03	---	7241.50
		Plugged and Abandoned				
5-01C	7,292.11	02/10/98	---	NM	---	---
		06/08/98	---	NM	---	---
		09/29/98	---	NM	---	---
		04/27/99	---	NM	---	---
		10/11/99	---	NM	---	---
		05/10/00	---	51.45	---	7240.66
		11/14/00	---	51.73	---	7240.38
		05/21/01	---	51.85	---	7240.26
		11/16/01	---	52.00	---	7240.11
		04/17/02	---	52.05	---	7240.06
		10/30/02	---	52.23	---	7239.88
		05/21/03	---	52.25	---	7239.86
		11/10/03	---	52.43	---	7239.68
		06/07/04	---	52.53	---	7239.58
		06/08/05	---	52.63	---	7239.48
		07/10/06	---	52.85	---	7239.26
		07/25/07	---	52.93	---	7239.18
		09/22/08	---	53.06	---	7239.05
		08/04/09	---	52.99	---	7239.12
		05/18/10	---	52.99	---	7239.12
		09/25/11	---	52.79	---	7239.32
		06/12/12	---	52.99	---	7239.12
		07/23/13	---	53.14	---	7238.97
		04/20/16	---	53.37	---	7238.74
		05/01/17	--	53.19	--	7238.92
		06/20/17	---	53.09	---	7239.02
		09/22/17	---	53.05	---	7239.06

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-02B	7,292.06	08/29/90	---	47.60	---	7244.46
		11/08/90	---	47.72	---	7244.34
		01/11/91	---	47.88	---	7244.18
		02/12/91	---	47.90	---	7244.16
		03/05/91	---	47.93	---	7244.13
		04/11/91	---	47.92	---	7244.14
		05/20/91	---	48.14	---	7243.92
		06/18/91	---	48.23	---	7243.83
		07/24/91	---	48.36	---	7243.70
		09/05/91	---	48.55	---	7243.51
		10/03/91	---	48.62	---	7243.44
		11/05/91	---	48.73	---	7243.33
		12/12/91	---	48.68	---	7243.38
		01/09/92	---	48.58	---	7243.48
		01/28/92	---	48.48	---	7243.58
		02/20/92	---	48.27	---	7243.79
		03/19/92	---	47.98	---	7243.79
		04/29/92	---	47.38	---	7244.68
		10/06/92	---	46.09	---	7245.97
		10/14/92	---	46.07	---	7245.99
		04/19/93	---	45.38	---	7246.68
		04/22/93	---	45.36	---	7246.70
		11/14/95	---	49.32	---	7242.74
	7,293.24 (a)	02/15/96	---	49.84	---	7242.22
		05/21/96	---	50.47	---	7241.59
		08/12/96	---	NM	---	---
		11/21/96	---	51.66	---	7240.40
		02/24/97	---	NM	---	---
		05/19/97	---	NM	---	---
		08/18/97	---	NM	---	---
		11/16/97	---	NM	---	---
		02/10/98	---	NM	---	---
		10/11/99	55.70	55.75	0.05	7237.53
		05/10/00	---	55.08	---	7238.16
		11/14/00	---	56.09	---	7237.28
		05/21/01	56.03	56.33	0.30	7237.14
		11/16/01	---	56.36	---	7236.94
		04/17/02	56.27	56.33	0.06	7236.96
		10/30/02	---	56.53	---	7236.91
		05/21/03	---	56.07	---	7237.17
		11/10/03	---	56.89	---	7236.35
		06/07/04	---	dry	---	---
		06/08/05	---	dry	---	---
		07/10/06	---	dry	---	---
		07/25/07	---	dry	---	---
		09/22/08	---	dry	---	---
		08/04/09	---	dry	---	---
		05/18/10	---	dry	---	---
		09/25/11	---	56.36	---	7236.88
		06/12/12	---	dry	---	---
		07/23/13	---	dry	---	---
		11/26/14	Plugged and Abandoned			

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5-02C	7,291.82	02/10/98	---	53.15	---	7238.67
		06/08/98	---	53.36	---	7238.46
		09/29/98	---	53.88	---	7237.94
		04/27/99	---	54.05	---	7237.77
		08/03/99	---	54.40	---	7237.42
		08/27/99	---	54.47	---	7237.35
		10/11/99	---	54.58	---	7237.24
		02/28/00	---	54.26	---	7237.56
		05/10/00	---	54.07	---	7237.75
		11/14/00	---	54.81	---	7237.01
		05/21/01	---	55.01	---	7236.81
		11/16/01	---	55.25	---	7236.57
		04/17/02	---	55.37	---	7236.45
		10/30/02	---	55.57	---	7236.25
		05/21/03	---	55.81	---	7236.01
		11/10/03	---	56.07	---	7235.75
		06/07/04	---	56.36	---	7235.46
		06/08/05	---	56.68	---	7235.14
		07/10/06	57.47	57.74	0.27	7234.29
		07/25/07	sheen	57.07	sheen	7234.75
		09/22/08	sheen	56.50	sheen	7235.32
		08/04/09	sheen	56.98	sheen	7234.84
		05/18/10	57.25	57.30	0.05	7234.56
		09/25/11	---	56.19	---	7235.63
		06/12/12	sheen	56.77	sheen	7235.05
		07/10/12	sheen	56.85	sheen	7234.97
		07/23/13	sheen	57.35	sheen	7234.47
		04/21/14	sheen	57.57	sheen	7234.25
		04/13/15	sheen	57.66	sheen	7234.16
		04/20/16	---	57.64	---	7234.18
		03/27/17	---	57.23	---	7234.59
		05/01/17	57.10	57.48	---	7234.34
		06/20/17	---	57.39	---	7234.43
		09/22/17	---	57.49	---	7234.33

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Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-03B	7,303.76	08/29/90	---	43.77	---	7259.99
		01/07/91	---	44.10	---	7259.66
		02/12/91	---	44.12	---	7259.64
		03/05/91	---	44.24	---	7259.52
		04/10/91	---	44.31	---	7259.45
		05/21/91	---	44.53	---	7259.23
		06/18/91	---	44.68	---	7259.08
		07/23/91	---	44.95	---	7258.81
		09/04/91	---	45.14	---	7258.62
		10/02/91	---	45.19	---	7258.57
		11/05/91	---	45.15	---	7258.61
		12/10/91	---	44.90	---	7258.86
		01/09/92	---	44.67	---	7259.09
		01/27/92	---	44.43	---	7259.33
		02/19/92	---	44.19	---	7259.57
		03/17/92	---	43.82	---	7259.94
		04/28/92	---	43.26	---	7260.50
		10/06/92	---	42.06	---	7261.70
		10/07/92	---	42.09	---	7261.67
		04/19/93	---	41.92	---	7261.84
		04/20/93	---	41.98	---	7261.78
		11/14/95	---	46.49	---	7257.27
		02/15/96	---	47.02	---	7256.74
		05/21/96	---	47.54	---	7256.22
		08/12/96	---	47.95	---	7255.81
		11/18/96	---	48.30	---	7255.46
		02/24/97	---	48.68	---	7255.08
		05/19/97	---	48.91	---	7254.85
		08/18/97	---	49.15	---	7254.61
		11/16/97	---	49.34	---	7254.42
		02/10/98	---	49.49	---	7254.27
		06/08/98	---	49.65	---	7254.11
		09/29/98	---	49.80	---	7253.96
		04/27/99	---	49.91	---	7253.85
		10/11/99	---	49.96	---	7253.80
		05/10/00	---	50.08	---	7253.68
		11/14/00	---	50.33	---	7253.43
		05/21/01	---	50.55	---	7253.21
		11/16/01	---	50.74	---	7253.02
		04/17/02	---	50.88	---	7252.88
		10/30/02	---	51.03	---	7252.73
		05/20/03	---	51.31	---	7252.45
		11/10/03	---	51.43	---	7252.33
		06/07/04	---	51.50	---	7252.26
		06/08/05	---	51.77	---	7251.99
		07/10/06	---	52.08	---	7251.68
		07/25/07	---	52.33	---	7251.43
		09/22/08	---	52.40	---	7251.36
		08/04/09	---	52.39	---	7251.37
		05/18/10	---	52.46	---	7251.30
		09/25/11	---	52.13	---	7251.63
		06/12/12	---	52.12	---	7251.64
		07/23/13	---	52.04	---	7251.72
		04/20/16	---	52.37	---	7251.39
		05/01/17	---	52.18	---	7251.58
		06/20/17	---	52.10	---	7251.66
		09/22/17	---	52.18	---	7251.58

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-04B	7,292.39	08/29/90	---	48.35	---	7244.04
		11/08/90	---	48.42	---	7243.97
		01/11/91	---	48.42	---	7243.97
		01/31/91	---	48.94	---	7243.45
		03/04/91	---	48.68	---	7243.71
		04/12/91	---	48.79	---	7243.60
		05/21/91	---	49.90	---	7242.49
		06/17/91	---	49.00	---	7243.39
		07/24/91	---	49.15	---	7243.24
		09/04/91	---	49.34	---	7243.05
		10/03/91	---	49.44	---	7242.95
		11/05/91	---	49.50	---	7242.89
		12/12/91	---	48.40	---	7243.99
		01/09/92	---	49.23	---	7243.16
		01/28/92	---	49.11	---	7243.28
		02/19/92	---	48.91	---	7243.48
		03/18/92	---	47.22	---	7245.17
		04/28/92	---	46.65	---	7245.74
		10/06/92	---	46.36	---	7246.03
		10/13/92	---	46.35	---	7246.04
		04/19/93	---	45.77	---	7246.62
		04/21/93	---	45.79	---	7246.60
		11/14/95	---	50.21	---	7242.18
		02/15/96	---	50.82	---	7241.57
	7,292.72 (a)	02/10/98	---	54.70	---	7238.02
		10/11/99	---	55.95	---	7236.77
		05/10/00	---	55.53	---	7237.19
		11/14/00	---	56.48	---	7236.24
		05/21/01	---	56.65	---	7236.07
		11/16/01	---	56.91	---	7235.81
		04/17/02	---	57.10	---	7235.62
		10/30/02	---	57.21	---	7235.51
		05/21/03	---	57.57	---	7235.15
		11/10/03	---	57.81	---	7234.91
		06/07/04	---	58.55	---	7234.17
		06/08/05	---	58.56	---	7234.16
		07/10/06	---	dry	---	---
		07/25/07	---	dry	---	---
		09/22/08	---	dry	---	---
		08/04/09	---	dry	---	---
		05/18/10	---	dry	---	---
		09/25/11	---	58.19	---	7234.53
		06/12/12	---	58.60	---	7234.12
		07/23/13	---	dry	---	---
		11/18/14	Plugged and Abandoned			

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-05B	7,290.83	08/29/90	---	47.50	---	7243.33
		11/08/90	---	47.25	---	7243.58
		01/10/91	---	47.14	---	7243.69
		02/05/91	---	47.20	---	7243.63
		03/05/91	---	47.20	---	7243.63
		04/18/91	---	47.34	---	7243.49
		05/21/91	---	47.44	---	7243.39
		06/18/91	---	47.52	---	7243.31
		07/24/91	---	47.69	---	7243.14
		09/05/91	---	47.83	---	7243.00
		10/02/91	---	47.54	---	7243.29
		11/04/91	---	48.02	---	7242.81
		12/10/91	---	47.94	---	7242.89
		01/09/92	---	47.87	---	7242.96
		01/27/92	---	47.74	---	7243.09
		02/19/92	---	47.58	---	7243.25
		03/17/92	---	47.43	---	7243.40
		04/28/92	---	46.61	---	7244.22
		10/06/92	---	45.39	---	7245.44
		10/12/92	---	45.37	---	7245.46
		04/19/93	---	44.76	---	7246.07
		04/21/93	---	44.75	---	7246.08
		11/14/95	---	48.59	---	7242.24
		02/15/96	---	49.12	---	7241.71
		05/21/96	---	49.71	---	7241.12
		08/12/96	---	50.22	---	7240.61
		11/18/96	---	50.65	---	7240.18
		02/24/97	---	51.14	---	7239.69
		05/19/97	---	NM	---	---
		08/18/97	---	NM	---	---
		11/16/97	---	NM	---	---
	7,292.02 (a)	02/10/98	---	53.51	---	7238.51
		10/11/99	---	55.02	---	7237.00
		05/10/00	---	54.61	---	7237.41
		11/14/00	---	55.23	---	7236.79
		05/21/01	---	55.38	---	7236.64
		11/16/01	---	55.61	---	7236.41
		04/17/02	---	55.76	---	7236.26
		10/30/02	---	56.01	---	7236.01
		05/21/03	---	56.27	---	7235.75
		11/10/03	---	56.53	---	7235.49
		06/07/04	---	56.85	---	7235.17
		06/08/05	---	57.29	---	7234.73
		07/10/06	---	57.74	---	7234.28
		07/25/07	---	57.96	---	7234.06
		09/22/08	---	57.85	---	7234.17
		08/04/09	---	57.15	---	7234.87
		05/18/10	---	58.31	---	7233.71
		09/25/11	---	57.38	---	7234.64
		06/12/12	---	58.77	---	7233.25
		07/23/13	---	58.53	---	7233.49
		04/20/16	---	59.16	---	7232.86
		05/01/17	---	58.75	---	7233.27
		06/20/17	---	58.66	---	7233.36
		09/22/17	---	58.51	---	7233.51

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-06B	7,289.30	08/29/90	---	43.47	---	7245.83
		11/08/90	---	43.24	---	7246.06
		01/08/91	---	43.42	---	7245.88
		02/12/91	---	43.50	---	7245.80
		03/05/91	---	43.50	---	7245.80
		04/18/91	---	43.61	---	7245.69
		05/21/91	---	43.66	---	7245.64
		06/18/91	---	43.74	---	7245.56
		07/23/91	---	43.83	---	7245.47
		09/05/91	---	44.00	---	7245.30
		10/03/91	---	44.06	---	7245.24
		11/05/91	---	44.16	---	7245.14
		12/10/91	---	44.17	---	7245.13
		01/09/92	---	44.16	---	7245.14
		01/27/92	---	44.08	---	7245.22
		02/20/92	---	43.94	---	7245.36
		03/18/92	---	43.76	---	7245.54
		04/29/92	---	43.43	---	7245.87
		10/06/92	---	42.52	---	7246.78
		10/14/92	---	42.49	---	7246.81
		04/19/93	---	41.94	---	7247.36
		11/14/95	---	44.64	---	7244.66
		02/15/96	---	44.99	---	7244.31
		05/21/96	---	45.41	---	7243.89
		08/12/96	---	45.65	---	7243.65
		11/18/96	---	45.92	---	7243.38
		02/24/97	---	46.30	---	7243.00
		05/19/97	---	46.54	---	7242.76
		08/18/97	---	46.73	---	7242.57
		11/16/97	---	47.01	---	7242.29
		Plugged and Abandoned				
5-06C	7,291.46	02/10/98	---	49.31	---	7242.15
		06/08/98	---	49.52	---	7241.94
		09/29/98	---	49.78	---	7241.68
		04/27/99	---	50.03	---	7241.43
		08/03/99	---	50.15	---	7241.31
		08/27/99	---	50.23	---	7241.23
		10/11/99	---	50.05	---	7241.41
		02/28/00	---	50.18	---	7241.28
		05/10/00	---	50.18	---	7241.28
		11/14/00	---	50.47	---	7240.99
		05/21/01	---	50.62	---	7240.84
		11/16/01	---	49.81	---	7241.65
		04/17/02	---	50.93	---	7240.53
		10/30/02	---	51.11	---	7240.35
		05/21/03	---	51.19	---	7240.27
		11/10/03	---	51.37	---	7240.09
		06/07/04	---	51.45	---	7240.01
		06/08/05	---	51.61	---	7239.85
		07/10/06	---	51.90	---	7239.56
		07/25/07	---	52.09	---	7239.37
		09/22/08	---	52.26	---	7239.20
		08/04/09	---	52.26	---	7239.20
		05/18/10	---	52.16	---	7239.30
		09/25/11	---	52.16	---	7239.30
		06/12/12	---	52.28	---	7239.18
		07/10/12	---	52.30	---	7239.16
		07/23/13	---	52.36	---	7239.10
		04/22/14	---	52.38	---	7239.08
		04/13/15	---	52.47	---	7238.99
		04/20/16	---	52.53	---	7238.93
		03/27/17	---	52.39	---	7239.07
		05/01/17	--	52.37	--	7239.09
		06/20/17	---	52.33	---	7239.13
		09/22/17	---	52.46	---	7239.00

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-12B	7,279.61	08/14/90	---	48.85	---	7230.76
		11/15/90	---	48.92	---	7230.69
		01/09/91	---	48.96	---	7230.65
		02/13/91	---	49.00	---	7230.61
		03/07/91	---	49.00	---	7230.61
		04/12/91	---	49.05	---	7230.56
		05/22/91	---	49.12	---	7230.49
		06/19/91	---	49.20	---	7230.41
		07/25/91	---	49.27	---	7230.34
		09/16/91	---	49.37	---	7230.24
		10/09/91	---	49.43	---	7230.18
		01/07/92	---	49.49	---	7230.12
		04/30/92	---	49.07	---	7230.54
		10/06/92	---	48.27	---	7231.34
		10/08/92	---	48.28	---	7231.34
		04/19/93	---	47.45	---	7232.16
		11/14/95	---	49.71	---	7229.90
		02/15/96	---	50.02	---	7229.59
		05/21/96	---	50.31	---	7229.30
		08/12/96	---	50.61	---	7229.00
		11/18/96	---	50.89	---	7228.72
		02/24/97	---	51.24	---	7228.37
		05/19/97	---	51.49	---	7228.12
		08/18/97	---	51.78	---	7227.83
		11/16/97	---	52.07	---	7227.54
		02/10/98	---	52.28	---	7227.33
		06/08/98	---	52.51	---	7227.10
		09/29/98	---	52.78	---	7226.83
		04/27/99	---	53.11	---	7226.50
		10/11/99	---	53.37	---	7226.24
		05/10/00	---	53.36	---	7226.25
		11/14/00	---	NM	---	---
		05/21/01	---	53.14	---	7226.47
		11/16/01	---	53.77	---	7225.84
		04/17/02	---	53.68	---	7225.93
		10/30/02	---	53.89	---	7225.72
		05/20/03	---	54.00	---	7225.61
		11/10/03	---	54.09	---	7225.52
		06/07/04	---	54.15	---	7225.46
		06/08/05	---	54.41	---	7225.20
		07/10/06	---	54.60	---	7225.01
		07/25/07	---	54.79	---	7224.82
		09/22/08	---	54.90	---	7224.71
		08/04/09	---	54.95	---	7224.66
		05/18/10	---	54.94	---	7224.67
		09/25/11	---	54.83	---	7224.78
		06/12/12	---	54.77	---	7224.84
		07/23/13	---	54.96	---	7224.65
		11/17/14	Plugged and Abandoned			

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-13B	7,282.43	08/14/90	---	52.43	---	7230.00
		11/15/90	---	52.76	---	7229.67
		01/09/91	---	52.82	---	7229.61
		02/07/91	---	52.89	---	7229.54
		03/07/91	---	52.92	---	7229.51
		04/12/91	---	53.00	---	7229.43
		05/22/91	---	53.06	---	7229.37
		06/19/91	---	53.15	---	7229.28
		07/26/91	---	53.26	---	7229.17
		09/16/91	---	53.36	---	7229.07
		10/10/91	---	53.42	---	7229.01
		01/08/92	---	53.58	---	7228.85
		05/01/92	---	52.88	---	7229.55
		10/06/92	---	51.80	---	7230.63
		10/13/92	---	51.78	---	7230.65
		04/19/93	---	51.08	---	7231.35
		11/14/95	---	53.85	---	7228.58
		02/15/96	---	54.18	---	7228.25
		05/21/96	---	54.52	---	7227.91
		08/12/96	---	54.81	---	7227.62
		11/18/96	---	55.05	---	7227.38
		02/24/97	---	55.37	---	7227.06
		05/19/97	---	55.60	---	7226.83
		08/18/97	---	55.87	---	7226.56
		11/16/97	---	56.13	---	7226.30
		02/10/98	---	56.36	---	7226.07
		06/08/98	---	56.63	---	7225.80
		09/29/98	---	56.90	---	7225.53
		04/27/99	---	57.31	---	7225.12
		10/11/99	---	57.75	---	7224.68
		05/10/00	---	57.90	---	7224.53
		11/14/00	---	58.18	---	7224.25
		05/21/01	---	58.31	---	7224.12
		11/16/01	---	58.47	---	7223.96
		04/17/02	---	58.60	---	7223.83
		10/30/02	---	58.90	---	7223.53
		05/20/03	---	59.08	---	7223.35
		11/10/03	---	59.28	---	7223.15
		06/07/04	---	59.49	---	7222.94
		06/08/05	---	59.50	---	7222.93
		07/10/06	---	60.40	---	7222.03
		07/25/07	---	60.79	---	7221.64
		09/22/08	---	61.14	---	7221.29
		08/04/09	---	61.22	---	7221.21
		05/18/10	---	61.29	---	7221.14
		09/25/11	---	61.19	---	7221.24
		06/12/12	---	60.92	---	7221.51
		07/23/13	---	61.20	---	7221.23
		11/17/14	Plugged and Abandoned			

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-14B	7,285.76	08/14/90	---	55.14	---	7230.62
		11/14/90	---	55.02	---	7230.74
		01/09/91	---	55.12	---	7230.64
		02/07/91	---	55.19	---	7230.57
		03/07/91	---	55.21	---	7230.55
		04/12/91	---	55.64	---	7230.12
		05/22/91	---	55.36	---	7230.40
		06/19/91	---	55.38	---	7230.38
		07/25/91	---	55.54	---	7230.22
		09/16/91	---	55.63	---	7230.13
		10/09/91	---	55.72	---	7230.04
		01/06/92	---	55.74	---	7230.02
		04/30/92	---	55.02	---	7230.74
		10/06/92	---	53.94	---	7231.82
		10/08/92	---	53.93	---	7231.83
		04/19/93	---	53.25	---	7232.51
		11/14/95	---	56.25	---	7229.51
		02/15/96	---	56.62	---	7229.14
		05/21/96	---	57.02	---	7228.74
		08/12/96	---	57.33	---	7228.43
		11/18/96	---	57.64	---	7228.12
		02/24/97	---	58.01	---	7227.75
		05/19/97	---	58.27	---	7227.49
		08/18/97	---	58.56	---	7227.20
		11/16/97	---	58.86	---	7226.90
		02/10/98	---	59.08	---	7226.68
		06/08/98	---	59.41	---	7226.35
		09/29/98	---	59.69	---	7226.07
		04/27/99	---	60.17	---	7225.59
		10/11/99	---	60.43	---	7225.33
		05/10/00	---	60.56	---	7225.20
		11/14/00	---	60.71	---	7225.05
		05/21/01	---	60.77	---	7224.99
		11/16/01	---	60.98	---	7224.78
		04/17/02	---	61.19	---	7224.57
		10/30/02	---	61.55	---	7224.21
		05/20/03	---	61.84	---	7223.92
		11/10/03	---	62.11	---	7223.65
		06/07/04	---	62.36	---	7223.40
		06/08/05	---	62.92	---	7222.84
		07/10/06	---	63.48	---	7222.28
		07/25/07	---	63.95	---	7221.81
		09/22/08	---	64.50	---	7221.26
		08/04/09	---	64.83	---	7220.93
		05/18/10	---	65.15	---	7220.61
		09/25/11	---	65.66	---	7220.10
		06/12/12	---	66.18	---	7219.58
		07/23/13	---	66.43	---	7219.33
		11/17/14	Plugged and Abandoned			

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-15B	7,292.92	08/14/90	---	49.86	---	7243.06
		11/14/90	---	49.98	---	7242.94
		01/10/91	---	50.10	---	7242.82
		02/07/91	---	50.16	---	7242.76
		03/06/91	---	50.17	---	7242.75
		04/10/91	---	50.25	---	7242.67
		05/23/91	---	50.45	---	7242.47
		06/19/91	---	50.54	---	7242.38
		07/25/91	---	50.70	---	7242.22
		09/16/91	---	50.92	---	7242.00
		10/09/91	---	50.95	---	7241.97
		01/07/92	---	50.57	---	7242.35
		04/30/92	---	48.74	---	7244.18
		10/06/92	---	47.75	---	7245.17
		10/08/92	---	47.74	---	7245.18
		04/19/93	---	47.41	---	7245.51
		11/14/95	---	51.84	---	7241.08
		02/15/96	---	52.42	---	7240.50
		05/21/96	---	53.04	---	7239.88
		08/12/96	---	53.52	---	7239.40
		11/18/96	---	53.99	---	7238.93
		02/24/97	---	54.48	---	7238.44
		05/19/97	---	54.60	---	7238.32
		08/18/97	---	55.18	---	7237.74
		11/16/97	---	55.48	---	7237.44
		02/10/98	---	55.70	---	7237.22
		06/08/98	---	56.00	---	7236.92
		09/29/98	---	56.35	---	7236.57
		04/27/99	---	56.55	---	7236.37
		08/03/99	---	57.02	---	7235.90
		08/27/99	---	57.10	---	7235.82
		10/11/99	---	56.98	---	7235.94
		02/28/00	---	56.60	---	7236.32
		05/10/00	---	56.63	---	7236.29
		11/14/00	---	56.78	---	7236.14
		05/21/01	---	57.03	---	7235.89
		11/16/01	---	57.28	---	7235.64
		04/17/02	---	57.56	---	7235.36
		10/30/02	---	57.74	---	7235.18
		05/21/03	---	58.05	---	7234.87
		11/10/03	---	58.36	---	7234.56
		06/07/04	---	58.73	---	7234.19
		06/08/05	---	59.35	---	7233.57
		07/10/06	---	59.99	---	7232.93
		07/25/07	---	60.65	---	7232.27
		09/22/08	---	60.77	---	7232.15
		08/04/09	---	60.81	---	7232.11
		05/18/10	---	60.91	---	7232.01
		09/25/11	---	60.36	---	7232.56
		06/12/12	---	60.26	---	7232.66
		07/23/13	---	61.03	---	7231.89
		11/18/14	Plugged and Abandoned			

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-16B	7,288.82	08/14/90	---	47.21	---	7241.61
		11/14/90	---	47.46	---	7241.36
		01/10/91	---	47.60	---	7241.22
		02/06/91	---	47.62	---	7241.20
		03/06/91	---	47.63	---	7241.19
		04/09/91	---	47.73	---	7241.09
		05/23/91	---	47.87	---	7240.95
		06/18/91	---	47.91	---	7240.91
		07/26/91	---	48.04	---	7240.78
		09/03/91	---	48.17	---	7240.65
		10/11/91	---	48.30	---	7240.52
		11/12/91	---	48.34	---	7240.48
		12/12/91	---	48.22	---	7240.60
		01/08/92	---	48.11	---	7240.71
		02/20/92	---	47.76	---	7241.06
		03/18/92	---	47.43	---	7241.39
		04/29/92	---	46.89	---	7241.93
		10/06/92	---	45.97	---	7242.85
		10/13/92	---	45.95	---	7242.87
		04/19/93	---	45.61	---	7243.21
		04/20/93	---	45.62	---	7243.20
		11/14/95	---	48.88	---	7239.94
		02/15/96	---	49.33	---	7239.49
		05/21/96	---	50.11	---	7238.71
		08/12/96	---	50.41	---	7238.41
		11/18/96	---	50.74	---	7238.08
		02/24/97	---	51.08	---	7237.74
		05/19/97	---	51.35	---	7237.47
		08/18/97	---	51.67	---	7237.15
		11/16/97	---	52.02	---	7236.80
		02/10/98	---	52.16	---	7236.66
		06/08/98	---	52.42	---	7236.40
		09/29/98	---	52.86	---	7235.96
		04/27/99	---	53.02	---	7235.80
		08/03/99	---	53.98	---	7234.84
		08/27/99	---	54.06	---	7234.76
		10/11/99	---	53.66	---	7235.16
		02/28/00	---	53.21	---	7235.61
		05/10/00	---	53.50	---	7235.32
		11/14/00	---	53.52	---	7235.30
		05/21/01	---	53.71	---	7235.11
		11/16/01	---	53.93	---	7234.89
		04/17/02	---	54.11	---	7234.71
		10/30/02	---	54.34	---	7234.48
		05/21/03	---	54.65	---	7234.17
		11/10/03	---	54.94	---	7233.88
		06/07/04	---	55.32	---	7233.50
		06/08/05	---	55.94	---	7232.88
		07/10/06	---	56.57	---	7232.25
		07/25/07	---	57.11	---	7231.71
		09/22/08	---	57.50	---	7231.32
		08/04/09	---	57.56	---	7231.26
		05/18/10	---	57.73	---	7231.09
		09/25/11	---	57.27	---	7231.55
		06/12/12	---	57.23	---	7231.59
		07/23/13	---	57.89	---	7230.93
		04/21/14	---	60.22	---	7228.60
		04/13/15	---	60.18	---	7228.64
		04/20/16	---	60.88	---	7227.94
		03/27/17	---	NM	---	---
		05/01/17	---	58.79	---	7230.03
		06/20/17	---	58.71	---	7230.11
		09/22/17	---	58.77	---	7230.05

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-17B	7,284.75	08/14/90	---	40.79	---	7243.96
		11/15/90	---	40.83	---	7243.92
		01/10/91	---	40.96	---	7243.79
		02/08/91	---	40.99	---	7243.76
		03/06/91	---	41.01	---	7243.74
		04/11/91	---	41.06	---	7243.69
		05/22/91	---	41.14	---	7243.61
		06/18/91	---	41.23	---	7243.52
		07/25/91	---	41.34	---	7243.41
		09/16/91	---	41.50	---	7243.25
		10/09/91	---	41.60	---	7243.15
		01/07/92	---	41.60	---	7243.15
		02/19/92	---	41.46	---	7243.29
		03/17/92	---	41.21	---	7243.54
		04/28/92	---	40.84	---	7243.91
		10/06/92	---	39.97	---	7244.78
		10/07/92	---	39.97	---	7244.78
		04/19/93	---	39.40	---	7245.35
		11/14/95	---	42.06	---	7242.69
		02/15/96	---	42.46	---	7242.29
		05/21/96	---	42.94	---	7241.81
		08/12/96	---	43.33	---	7241.42
		11/18/96	---	43.72	---	7241.03
		02/24/97	---	44.14	---	7240.61
		05/19/97	---	44.44	---	7240.31
		08/18/97	---	44.76	---	7239.99
		11/16/97	---	45.07	---	7239.68
		02/10/98	---	45.30	---	7239.45
		06/08/98	---	45.58	---	7239.17
		09/29/98	---	45.97	---	7238.78
		04/27/99	---	46.36	---	7238.39
		10/11/99	---	46.78	---	7237.97
		05/10/00	---	46.57	---	7238.18
		11/14/00	---	47.19	---	7237.56
		05/21/01	---	47.34	---	7237.41
		11/16/01	---	47.58	---	7237.17
		04/17/02	---	47.70	---	7237.05
		10/30/02	---	48.04	---	7236.71
		05/20/03	---	48.22	---	7236.53
		11/10/03	---	48.51	---	7236.24
		06/07/04	---	48.69	---	7236.06
		06/08/05	---	48.73	---	7236.02
		07/10/06	---	49.71	---	7235.04
		07/25/07	---	49.99	---	7234.76
		09/22/08	---	50.06	---	7234.69
		08/04/09	---	50.50	---	7234.25
		05/18/10	---	50.82	---	7233.93
		09/25/11	---	50.44	---	7234.31
		06/12/12	---	50.33	---	7234.42
		07/23/13	---	51.13	---	7233.62
		04/20/16	---	53.58	---	7231.17
		05/01/17	---	51.81	---	7232.94
		06/20/17	---	51.54	---	7233.21
		09/22/17	---	52.40	---	7232.35

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-18B	7,286.41	08/14/90	---	51.67	---	7234.74
		08/24/90	---	51.68	---	7234.73
		11/15/90	---	51.60	---	7234.81
		01/04/91	---	51.66	---	7234.75
		02/13/91	---	51.76	---	7234.65
		03/06/91	---	51.79	---	7234.62
		04/16/91	---	51.90	---	7234.51
		06/19/91	---	52.05	---	7234.36
		07/26/91	---	52.21	---	7234.20
		09/16/91	---	52.35	---	7234.06
		10/11/91	---	52.41	---	7234.00
		01/08/92	---	52.40	---	7234.01
		05/01/92	---	51.38	---	7235.03
		10/06/92	---	50.24	---	7236.17
		10/13/92	---	50.22	---	7236.19
		04/19/93	---	49.68	---	7236.73
		04/22/93	---	49.70	---	7236.71
		11/14/95	---	53.04	---	7233.37
		02/15/96	---	53.49	---	7232.92
		05/21/96	---	53.94	---	7232.47
		08/12/96	---	54.31	---	7232.10
		11/18/96	---	54.64	---	7231.77
		02/24/97	---	55.03	---	7231.38
		05/19/97	---	55.25	---	7231.16
		08/18/97	---	55.51	---	7230.90
		11/16/97	---	55.75	---	7230.66
		02/10/98	---	55.94	---	7230.47
		06/08/98	---	56.18	---	7230.23
		09/29/98	---	56.43	---	7229.98
		04/27/99	---	56.81	---	7229.60
		10/11/99	---	57.26	---	7229.15
		05/10/00	---	57.18	---	7229.23
		11/14/00	---	57.38	---	7229.03
		05/21/01	---	57.47	---	7228.94
		11/16/01	---	57.87	---	7228.54
		04/17/02	---	57.85	---	7228.56
		10/30/02	---	58.16	---	7228.25
		05/20/03	---	58.40	---	7228.01
		11/10/03	---	58.71	---	7227.70
		06/07/04	---	59.03	---	7227.38
		06/08/05	---	59.65	---	7226.76
		07/10/06	---	60.29	---	7226.12
		07/25/07	---	60.82	---	7225.59
		09/22/08	---	61.28	---	7225.13
		08/04/09	---	61.46	---	7224.95
		05/18/10	---	61.61	---	7224.80
		09/25/11	---	61.38	---	7225.03
		06/12/12	---	61.18	---	7225.23
		07/23/13	---	61.65	---	7224.76
		04/21/14	---	61.84	---	7224.57
		04/13/15	---	62.09	---	7224.32
		04/20/16	---	62.52	---	7223.89
		03/27/17	---	62.66	---	7223.75
		05/01/17	---	62.68	---	7223.73
		06/20/17	---	61.65	---	7224.76
		09/22/17	---	62.69	---	7223.72

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-19B	7,290.52	08/14/90	---	49.44	---	7241.08
		11/14/90	---	49.76	---	7240.76
		01/10/91	---	49.86	---	7240.66
		02/07/91	---	49.90	---	7240.62
		03/06/91	---	49.92	---	7240.60
		04/09/91	---	50.02	---	7240.50
		05/23/91	---	50.92	---	7239.60
		06/19/91	---	50.23	---	7240.29
		07/26/91	---	50.37	---	7240.15
		09/16/91	---	50.55	---	7239.97
		10/10/91	---	50.60	---	7239.92
		01/08/92	---	50.36	---	7240.16
		02/20/92	---	50.04	---	7240.48
		03/19/92	---	49.60	---	7240.92
		04/29/92	---	48.97	---	7241.55
		10/06/92	---	48.05	---	7242.47
		10/13/92	---	48.04	---	7242.48
		04/19/93	---	47.73	---	7242.79
		11/14/95	---	51.30	---	7239.22
		02/15/96	---	51.75	---	7238.77
		05/21/96	---	52.26	---	7238.26
		08/12/96	---	52.66	---	7237.86
		11/18/96	---	53.02	---	7237.50
		02/24/97	---	53.44	---	7237.08
		05/19/97	---	53.73	---	7236.79
		08/18/97	---	NM	---	---
		11/16/97	---	54.29	---	7236.23
		02/10/98	---	54.49	---	7236.03
		06/08/98	---	54.74	---	7235.78
		09/29/98	---	55.05	---	7235.47
		04/27/99	---	55.26	---	7235.26
		08/03/99	---	55.78	---	7234.74
		08/27/99	---	55.87	---	7234.65
		10/11/99	---	55.73	---	7234.79
		02/28/00	---	55.33	---	7235.19
		05/10/00	---	55.39	---	7235.13
		11/14/00	---	55.51	---	7235.01
		05/21/01	---	55.74	---	7234.78
		11/16/01	---	55.96	---	7234.56
		04/17/02	---	56.11	---	7234.41
		10/30/02	---	56.36	---	7234.16
		05/20/03	---	56.60	---	7233.92
		11/10/03	---	56.88	---	7233.64
		06/07/04	---	57.24	---	7233.28
		06/08/05	---	57.84	---	7232.68
		07/10/06	---	58.43	---	7232.09
		07/25/07	---	58.89	---	7231.63
		09/22/08	---	59.24	---	7231.28
		08/04/09	---	59.31	---	7231.21
		05/18/10	---	59.42	---	7231.10
		09/25/11	---	58.95	---	7231.57
		06/12/12	---	58.86	---	7231.66
		07/23/13	---	59.53	---	7230.99
		11/18/14	Plugged and Abandoned			

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-20B	7,284.60	08/14/90	---	48.50	---	7236.10
		01/09/91	---	48.70	---	7235.90
		02/07/91	---	48.79	---	7235.81
		03/07/91	---	48.80	---	7235.80
		04/16/91	---	48.88	---	7235.72
		05/20/91	---	48.92	---	7235.68
		06/19/91	---	49.02	---	7235.58
		07/26/91	---	49.13	---	7235.47
		09/16/91	---	49.25	---	7235.35
		10/10/91	---	49.32	---	7235.28
		01/08/92	---	49.36	---	7235.24
		05/01/92	---	48.48	---	7236.12
		10/06/92	---	47.61	---	7236.99
		10/12/92	---	47.58	---	7237.02
		04/19/93	---	47.26	---	7237.34
		04/21/93	---	47.31	---	7237.29
		11/14/95	---	49.63	---	7234.97
		02/15/96	---	50.03	---	7234.57
		05/21/96	---	50.39	---	7234.21
		08/12/96	---	50.66	---	7233.94
		11/18/96	---	50.99	---	7233.61
		02/24/97	---	51.28	---	7233.32
		05/19/97	---	51.54	---	7233.06
		08/18/97	---	51.88	---	7232.72
		11/16/97	---	52.21	---	7232.39
		02/10/98	---	52.46	---	7232.14
		06/08/98	---	52.62	---	7231.98
		09/29/98	---	52.95	---	7231.65
		04/27/99	---	53.30	---	7231.30
		10/11/99	---	53.78	---	7230.82
		05/10/00	---	53.23	---	7231.37
		11/14/00	---	53.53	---	7231.07
		05/21/01	---	53.62	---	7230.98
		11/16/01	---	53.73	---	7230.87
		04/17/02	---	53.78	---	7230.82
		10/30/02	---	54.04	---	7230.56
		05/20/03	---	54.17	---	7230.43
		11/10/03	---	54.29	---	7230.31
		06/07/04	---	54.45	---	7230.15
		06/08/05	---	54.50	---	7230.10
		07/10/06	---	55.33	---	7229.27
		07/25/07	---	55.74	---	7228.86
		09/22/08	---	56.02	---	7228.58
		08/04/09	---	56.13	---	7228.47
		05/18/10	---	56.15	---	7228.45
		09/25/11	---	55.82	---	7228.78
		06/12/12	---	55.80	---	7228.80
		07/23/13	---	56.24	---	7228.36
		04/21/14	---	56.56	---	7228.04
		04/13/15	---	56.78	---	7227.82
		04/20/16	---	57.09	---	7227.51
		03/27/17	---	57.08	---	7227.52
		05/01/17	---	57.16	---	7227.44
		06/20/17	---	57.16	---	7227.44
		09/22/17	---	57.10	---	7227.50

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-22B	7,292.74	10/25/90	---	48.08	---	7244.66
		11/15/90	---	48.08	---	7244.66
		01/10/91	---	48.33	---	7244.41
		02/04/91	---	48.38	---	7244.36
		03/06/91	---	48.42	---	7244.32
		04/11/91	---	48.49	---	7244.25
		05/21/91	---	48.65	---	7244.09
		06/17/91	---	48.76	---	7243.98
		07/24/91	---	49.24	---	7243.50
		09/04/91	---	49.06	---	7243.68
		10/03/91	---	49.19	---	7243.55
		11/04/91	---	49.26	---	7243.48
		12/12/91	---	49.15	---	7243.59
		01/10/92	---	49.00	---	7243.74
		01/28/92	---	48.84	---	7243.90
		02/19/92	---	48.67	---	7244.07
		03/18/92	---	48.24	---	7244.50
		04/28/92	---	47.46	---	7245.28
		10/06/92	---	45.97	---	7246.77
		10/08/92	---	45.98	---	7246.76
		04/19/93	---	45.34	---	7247.40
		11/14/95	---	NM	---	---
		02/15/96	---	NM	---	---
		05/21/96	---	51.25	---	7241.49
		08/12/96	---	51.91	---	7240.83
		11/18/96	---	NM	---	---
		02/27/97	---	52.95	---	7239.79
		05/19/97	---	53.13	---	7239.61
		08/18/97	---	53.51	---	7239.23
		11/16/97	---	53.79	---	7238.95
		02/10/98	---	dry	---	---
		09/08/98	---	54.05	---	7238.69
		09/29/98	---	54.16	---	7238.58
		04/27/99	---	dry	---	---
		10/11/99	---	dry	---	---
		05/10/00	---	dry	---	---
		11/14/00	---	dry	---	---
		05/21/01	---	dry	---	---
		11/16/01	---	dry	---	---
		04/17/02	---	dry	---	---
		10/30/02	---	dry	---	---
		05/21/03	---	dry	---	---
		11/10/03	---	dry	---	---
		06/07/04	---	dry	---	---
		06/08/05	---	dry	---	---
		07/10/06	---	dry	---	---
		07/25/07	---	dry	---	---
		09/22/08	---	dry	---	---
		08/04/09	---	dry	---	---
		05/18/10	---	dry	---	---
		09/25/11	---	53.48	---	7239.26
		06/12/12	---	54.00	---	7238.74
		07/23/13	---	54.32	---	7238.42
		11/26/14	Plugged and Abandoned			

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-23B	7,282.63	10/25/90	---	55.78	---	7226.85
		11/15/90	---	55.75	---	7226.88
		01/03/91	---	55.90	---	7226.73
		02/07/91	---	56.20	---	7226.43
		03/07/91	---	56.02	---	7226.61
		04/16/91	---	56.08	---	7226.55
		05/22/91	---	56.14	---	7226.49
		06/19/91	---	56.17	---	7226.46
		07/25/91	---	56.28	---	7226.35
		09/03/91	---	56.38	---	7226.25
		10/09/91	---	56.47	---	7226.16
		11/11/91	---	56.56	---	7226.07
		12/13/91	---	56.63	---	7226.00
		01/07/92	---	56.58	---	7226.05
		02/18/92	---	56.58	---	7226.05
		03/17/92	---	56.42	---	7226.21
		04/30/92	---	56.12	---	7226.51
		10/06/92	---	55.19	---	7227.44
		10/09/92	---	55.19	---	7227.44
		04/19/93	---	54.56	---	7228.07
		11/14/95	---	57.02	---	7225.61
		02/15/96	---	57.39	---	7225.24
		05/21/96	---	57.79	---	7224.84
		08/12/96	---	58.11	---	7224.52
		11/18/96	---	58.38	---	7224.25
		02/24/97	---	58.75	---	7223.88
		05/19/97	---	59.01	---	7223.62
		08/18/97	---	59.33	---	7223.30
		11/16/97	---	59.66	---	7222.97
		02/10/98	---	59.97	---	7222.66
		06/08/98	---	60.36	---	7222.27
		09/29/98	---	60.73	---	7221.90
		04/27/99	---	61.29	---	7221.34
		10/11/99	---	61.66	---	7220.97
		05/10/00	---	61.88	---	7220.75
		11/14/00	---	62.09	---	7220.54
		05/21/01	---	62.19	---	7220.44
		11/16/01	---	62.33	---	7220.30
		04/17/02	---	62.47	---	7220.16
		10/30/02	---	62.74	---	7219.89
		05/20/03	---	62.94	---	7219.69
		11/10/03	---	63.16	---	7219.47
		06/07/04	---	63.40	---	7219.23
		06/08/05	---	63.93	---	7218.70
		07/10/06	---	64.52	---	7218.11
		07/25/07	---	65.07	---	7217.56
		09/22/08	---	65.63	---	7217.00
		08/04/09	---	65.89	---	7216.74
		05/18/10	---	66.11	---	7216.52
		09/25/11	---	66.23	---	7216.40
		06/12/12	---	66.17	---	7216.46
		07/23/13	---	66.44	---	7216.19
		11/17/14	Plugged and Abandoned			

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-24B	7,279.18	10/25/90	---	53.64	---	7225.54
		11/15/90	---	53.72	---	7225.46
		01/03/91	---	53.76	---	7225.42
		01/09/91	---	53.78	---	7225.40
		02/07/91	---	53.86	---	7225.32
		03/07/91	---	53.86	---	7225.32
		04/16/91	---	53.94	---	7225.24
		05/22/91	---	54.00	---	7225.18
		07/26/91	---	54.15	---	7225.03
		09/03/91	---	54.21	---	7224.97
		10/10/91	---	54.30	---	7224.88
		11/11/91	---	54.38	---	7224.80
		12/13/91	---	54.43	---	7224.75
		01/07/92	---	54.40	---	7224.78
		02/18/92	---	54.40	---	7224.78
		03/17/92	---	54.25	---	7224.93
		04/30/92	---	53.98	---	7225.20
		10/06/92	---	53.06	---	7226.12
		10/13/92	---	53.02	---	7226.16
		04/19/93	---	52.33	---	7226.85
		04/21/93	---	52.33	---	7226.85
		11/14/95	---	54.62	---	7224.56
		02/15/96	---	54.96	---	7224.22
		05/21/96	---	55.38	---	7223.80
		08/12/96	---	55.66	---	7223.52
		11/18/96	---	55.93	---	7223.25
		02/24/97	---	56.26	---	7222.92
		05/19/97	---	56.50	---	7222.68
		08/18/97	---	56.78	---	7222.40
		11/16/97	---	57.07	---	7222.11
		02/10/98	---	57.32	---	7221.86
		06/08/98	---	57.69	---	7221.49
		09/29/98	---	58.03	---	7221.15
		04/27/99	---	58.56	---	7220.62
		10/11/99	---	58.89	---	7220.29
		05/10/00	---	59.04	---	7220.14
		11/14/00	---	59.22	---	7219.96
		05/21/01	---	59.29	---	7219.89
		11/16/01	---	59.38	---	7219.80
		04/17/02	---	59.45	---	7219.73
		10/30/02	---	59.66	---	7219.52
		05/20/03	---	59.79	---	7219.39
		11/10/03	---	59.93	---	7219.25
		06/07/04	---	60.07	---	7219.11
		06/08/05	---	60.41	---	7218.77
		07/10/06	---	60.68	---	7218.50
		07/25/07	---	60.85	---	7218.33
		09/22/08	---	60.96	---	7218.22
		08/04/09	---	61.00	---	7218.18
		05/18/10	---	61.00	---	7218.18
		09/25/11	---	60.89	---	7218.29
		06/12/12	---	60.82	---	7218.36
		07/23/13	---	61.02	---	7218.16
		11/17/14	Plugged and Abandoned			

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-34B	7,294.71	05/12/92	---	48.62	---	7246.09
		05/13/92	---	48.60	---	7246.11
		05/14/92	---	48.58	---	7246.13
		06/19/92	---	48.18	---	7246.53
		07/28/92	---	47.88	---	7246.83
		04/19/93	---	46.98	---	7247.73
		11/14/95	---	52.33	---	7242.38
		02/16/96	---	NM	---	---
		08/12/96	---	NM	---	---
		11/18/96	---	NM	---	---
		02/24/97	---	NM	---	---
		05/19/97	---	NM	---	---
		08/18/97	---	NM	---	---
		11/16/97	---	NM	---	---
		02/10/98	---	61.00	---	7233.71
		10/11/99	58.54	58.56	0.02	7236.17
		05/10/00	57.33	57.35	0.02	7237.38
		11/14/00	---	57.61	---	7237.10
		05/21/01	58.78	58.83	0.05	7235.92
		11/16/01	---	59.26	---	7235.45
		04/17/02	59.09	59.86	0.77	7235.44
		10/30/02	---	60.10	---	7234.61
		05/21/03	59.48	60.72	1.24	7234.93
		11/10/03	---	61.31	---	7233.40
		06/07/04	60.32	61.38	1.06	7234.14
		06/08/05	---	61.26	---	7233.45
		08/05/05	---	61.33	---	7233.38
		07/10/06	61.02	61.56	0.54	7233.56
		07/25/07	62.44	62.97	0.53	7232.14
		09/22/08	61.35	61.40	0.05	7233.35
		08/04/09	61.05	61.06	0.01	7233.66
		05/18/10	61.73	61.78	0.05	7232.97
		09/25/11	---	60.61	---	7234.10
		06/12/12	sheen	60.89	sheen	7233.82
		07/23/13	61.55	61.58	0.03	7233.15
		04/20/16	62.09	62.15	0.06	7232.61
		05/01/17	---	61.31	---	7233.40
		06/20/17	---	61.14	---	7233.57
		09/22/17	---	61.04	---	7233.67

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-35B	7,296.11	05/05/92	---	50.55	---	7245.56
		05/14/92	---	50.32	---	7245.79
		05/30/92	---	50.14	---	7245.97
		06/19/92	---	49.94	---	7246.17
		06/29/92	---	49.81	---	7246.30
		07/24/92	---	49.61	---	7246.50
		08/07/92	---	49.51	---	7246.60
		08/31/92	---	49.35	---	7246.76
		09/15/92	---	49.29	---	7246.82
		09/29/92	---	49.26	---	7246.85
		10/14/92	---	49.20	---	7246.91
		04/19/93	---	48.79	---	7247.32
		04/22/93	---	48.73	---	7247.38
		11/14/95	---	NM	---	---
		02/15/96	---	NM	---	---
		08/12/96	---	NM	---	---
		11/18/96	---	NM	---	---
		02/24/97	---	NM	---	---
		05/19/97	sheen	56.21	sheen	7240.67
		08/18/97	---	56.41	---	7240.47
		11/16/97	---	NM	---	---
	7,295.33 (a)	02/10/98	---	55.79	---	7239.54
		10/11/99	57.15	57.16	0.01	7238.18
		05/10/00	---	56.68	---	7238.65
		11/14/00	---	57.30	---	7238.03
		05/21/01	---	57.51	---	7237.82
		11/16/01	---	57.75	---	7237.58
		04/17/02	---	57.96	---	7237.37
		10/30/02	---	57.97	---	7237.36
		05/21/03	---	58.31	---	7237.02
		11/10/03	---	58.43	---	7236.90
		06/07/04	---	58.69	---	7236.64
		06/08/05	---	58.89	---	7236.44
		07/10/06	---	58.99	---	7236.34
		07/25/07	---	58.97	---	7236.36
		09/22/08	---	58.43	---	7236.90
		08/04/09	---	58.60	---	7236.73
		05/18/10	---	58.72	---	7236.61
		09/25/11	---	57.71	---	7237.62
		06/12/12	---	58.23	---	7237.10
		07/23/13	---	58.75	---	7236.58
		04/22/14	---	58.91	---	7236.42
		04/13/15	---	58.93	---	7236.40
		04/20/16	---	59.02	---	7236.31
		03/28/17	--	58.43	--	7236.90
		05/01/17	---	58.20	---	7237.13
		06/20/17	---	58.28	---	7237.05
		09/22/17	---	58.32	---	7237.01

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-36E	7,296.56	10/11/99	---	60.76	---	7235.80
		05/10/00	---	59.76	---	7236.80
		11/14/00	---	59.25	---	7237.31
		11/16/01	---	61.31	---	7235.25
		04/17/02	---	61.51	---	7235.05
		10/30/02	---	61.59	---	7234.97
		05/21/03	---	61.46	---	7235.10
		11/10/03	---	61.86	---	7234.70
		06/07/04	---	62.30	---	7234.26
		06/08/05	---	62.62	---	7233.94
		07/10/06	---	62.83	---	7233.73
		07/25/07	---	62.93	---	7233.63
		09/22/08	---	62.46	---	7234.10
		08/04/09	---	61.84	---	7234.72
		05/18/10	---	63.11	---	7233.45
		09/25/11	---	61.82	---	7234.74
		06/12/12	---	62.25	---	7234.31
		07/23/13	---	62.97	---	7233.59
		04/20/16	---	63.22	---	7233.34
		05/01/17	---	62.26	---	7234.30
		06/20/17	---	62.36	---	7234.20
		09/22/17	---	62.30	---	7234.26
5-37I	7,296.31	10/11/99	---	58.90	---	7237.41
		05/10/00	---	58.46	---	7237.85
		11/14/00	---	58.99	---	7237.32
		11/16/01	---	59.46	---	7236.85
		04/17/02	---	59.64	---	7236.67
		10/30/02	---	59.71	---	7236.60
		05/21/03	---	59.94	---	7236.37
		11/10/03	---	60.14	---	7236.17
		06/07/04	---	60.33	---	7235.98
		06/08/05	---	60.37	---	7235.94
		07/10/06	---	60.47	---	7235.84
		07/25/07	---	60.45	---	7235.86
		09/22/08	---	59.93	---	7236.38
		08/04/09	---	60.28	---	7236.03
		05/18/10	---	60.18	---	7236.13
		09/25/11	---	59.15	---	7237.16
		06/12/12	---	59.71	---	7236.60
		07/23/13	---	60.27	---	7236.04
		04/20/16	---	60.52	---	7235.79
		05/01/17	---	59.66	---	7236.65
		06/20/17	---	59.79	---	7236.52
		09/22/17	---	59.63	---	7236.68
5-41B	7,279.73	10/06/92	---	61.03	---	7218.70
		10/09/92	---	60.99	---	7218.74
		04/19/93	---	60.38	---	7219.35
		04/20/93	---	60.40	---	7219.33
		11/14/95	---	61.90	---	7217.83
		02/15/96	---	62.26	---	7217.47
		05/21/96	---	62.72	---	7217.01
		08/12/96	---	63.12	---	7216.61
		11/18/96	---	63.52	---	7216.21
		02/24/97	---	63.97	---	7215.76
		05/19/97	---	64.36	---	7215.37
		08/18/97	---	64.72	---	7215.01
		11/16/97	---	NM	---	---
		02/10/98	---	NM	---	---
		05/10/00	---	NM	---	---
		11/14/00	---	NM	---	---
		11/17/14	Plugged and Abandoned			

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-47B	7,268.35	10/06/92	---	62.71	---	7205.64
		10/07/92	---	62.71	---	7205.64
		04/19/93	---	62.18	---	7206.17
		04/20/93	---	62.20	---	7206.15
		11/14/95	---	62.77	---	7205.58
		02/15/96	---	63.27	---	7205.08
		05/21/96	---	63.83	---	7204.52
		08/12/96	---	64.31	---	7204.04
		11/18/96	---	64.75	---	7203.60
		02/24/97	---	NM	---	---
		05/19/97	---	65.39	---	7202.96
		08/18/97	---	66.03	---	7202.32
		11/16/97	---	NM	---	---
		Plugged and Abandoned				
5-48B	7,292.64	10/06/92	---	46.80	---	7245.84
		10/12/92	---	46.96	---	7245.68
		04/19/93	---	46.52	---	7246.12
		04/21/93	---	46.51	---	7246.13
		11/14/95	---	51.00	---	7241.64
		02/15/96	---	51.60	---	7241.04
		05/21/96	---	52.22	---	7240.42
		08/12/96	---	52.75	---	7239.89
		11/18/96	---	53.24	---	7239.40
		02/24/97	---	53.76	---	7238.88
		05/19/97	---	54.11	---	7238.53
		08/18/97	---	54.49	---	7238.15
		11/16/97	---	54.78	---	7237.86
		02/10/98	---	NM	---	---
		06/08/98	---	NM	---	---
		09/29/98	---	55.67	---	7236.97
		04/27/99	---	55.93	---	7236.71
		08/03/99	---	56.32	---	7236.32
		08/27/99	---	56.41	---	7236.23
		10/11/99	---	56.44	---	7236.20
		02/28/00	---	56.19	---	7236.45
		05/10/00	---	56.08	---	7236.56
		11/14/00	---	56.35	---	7236.29
		05/21/01	---	56.57	---	7236.07
		11/16/01	---	56.82	---	7235.82
		04/17/02	---	57.05	---	7235.59
		10/30/02	---	57.22	---	7235.42
		05/21/03	---	57.54	---	7235.10
		11/10/03	---	57.82	---	7234.82
		06/07/04	---	58.23	---	7234.41
		06/08/05	---	58.86	---	7233.78
		07/10/06	---	59.44	---	7233.20
		07/25/07	---	59.84	---	7232.80
		09/22/08	---	dry	---	---
		08/04/09	---	dry	---	---
		05/18/10	---	dry	---	---
		09/25/11	---	59.65	---	7232.99
		06/12/12	---	59.68	---	7232.96
		07/23/13	---	dry	---	---
		04/20/16	---	dry	---	---
		05/01/17	---	dry	---	---
		06/20/17	---	dry	---	---
		09/22/17	---	dry	---	---

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-57B	7,257.80	04/19/93	---	59.97	---	7197.83
		11/14/95	---	60.21	---	7197.59
		02/15/96	---	60.58	---	7197.22
		05/21/96	---	61.03	---	7196.77
		08/12/96	---	61.44	---	7196.36
		11/18/96	---	61.80	---	7196.00
		02/24/97	---	62.20	---	7195.60
		05/19/97	---	62.51	---	7195.29
		08/18/97	---	62.82	---	7194.98
		11/16/97	---	NM	---	---
		Plugged and Abandoned				
5-58B	7,279.38	04/19/93	---	64.09	---	7215.29
		11/14/95	---	65.55	---	7213.83
		02/15/96	---	66.16	---	7213.22
		05/21/96	---	66.83	---	7212.55
		08/12/96	---	67.37	---	7212.01
		11/18/96	---	67.86	---	7211.52
		02/24/97	---	68.42	---	7210.96
		05/19/97	---	68.82	---	7210.56
		08/18/97	---	69.21	---	7210.17
		11/16/97	---	NM	---	---
		Plugged and Abandoned				
5-59	7,290.82	11/16/01	---	49.97	---	7240.85
		04/17/02	---	50.07	---	7240.75
		10/30/02	---	50.29	---	7240.53
		05/21/03	---	50.38	---	7240.44
		11/10/03	---	50.57	---	7240.25
		06/07/04	---	50.66	---	7240.16
		06/08/05	---	50.84	---	7239.98
		07/10/06	---	51.12	---	7239.70
		07/25/07	---	51.32	---	7239.50
		09/22/08	---	51.50	---	7239.32
		08/04/09	---	51.49	---	7239.33
		05/18/10	---	51.42	---	7239.40
		09/25/11	---	51.40	---	7239.42
		06/12/12	---	51.51	---	7239.31
		07/10/12	---	51.53	---	7239.29
		07/23/13	---	51.59	---	7239.23
		04/22/14	---	51.63	---	7239.19
		04/13/15	---	51.71	---	7239.11
		04/20/16	---	51.77	---	7239.05
		03/27/17	---	51.66	---	7239.16
		05/01/17	--	51.61	--	7239.21
		06/20/17	---	51.58	---	7239.24
		09/22/17	---	51.70	---	7239.12

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
5-60	7,290.83	11/16/01	---	52.01	---	7238.82
		04/17/02	---	52.07	---	7238.76
		10/30/02	---	52.27	---	7238.56
		05/21/03	---	52.33	---	7238.50
		11/10/03	---	52.51	---	7238.32
		06/07/04	---	52.60	---	7238.23
		06/08/05	---	52.75	---	7238.08
		07/10/06	---	52.97	---	7237.86
		07/25/07	---	53.10	---	7237.73
		09/22/08	---	53.26	---	7237.57
		08/04/09	---	53.30	---	7237.53
		05/18/10	---	53.17	---	7237.66
		09/25/11	---	52.83	---	7238.00
		06/12/12	---	53.09	---	7237.74
		07/23/13	---	53.47	---	7237.36
		04/20/16	---	53.72	---	7237.11
		05/01/17	--	53.24	--	7237.59
		06/20/17	---	53.11	---	7237.72
		09/22/17	---	53.01	---	7237.82
SVE-1	7,296.88	02/10/98	---	58.35	---	7238.53
		10/11/99	---	59.28	---	7237.60
		05/10/00	---	58.78	---	7238.10
		11/14/00	---	59.07	---	7237.81
		11/16/01	---	59.83	---	7237.05
		04/17/02	---	60.01	---	7236.87
		10/30/02	---	60.20	---	7236.68
		05/21/03	---	60.54	---	7236.34
		11/10/03	---	60.84	---	7236.04
		06/07/04	---	61.16	---	7235.72
		06/08/05	---	61.46	---	7235.42
		07/10/06	---	dry	---	---
		07/25/07	---	dry	---	---
		09/22/08	---	dry	---	---
		08/04/09	---	dry	---	---
		05/18/10	---	dry	---	---
		09/25/11	---	61.39	---	7235.49
		06/12/12	---	61.31	---	7235.57
		07/23/13		61.43	---	7235.45
		11/18/14	Plugged and Abandoned			
SVE-2	7,297.68	02/10/98	---	58.85	---	7238.83
		10/11/99	---	59.57	---	7238.11
		05/10/00	---	58.99	---	7238.69
		11/14/00	---	59.29	---	7238.39
		11/16/01	---	60.14	---	7237.54
		04/17/02	---	60.28	---	7237.40
		10/30/02	---	60.49	---	7237.19
		05/21/03	---	60.83	---	7236.85
		11/10/03	---	61.18	---	7236.50
		06/07/04	---	61.49	---	7236.19
		06/08/05	---	61.67	---	7236.01
		07/10/06	---	dry	---	---
		07/25/07	---	dry	---	---
		09/22/08	---	dry	---	---
		08/04/09	---	dry	---	---
		05/18/10	---	dry	---	---
		09/25/11	---	61.57	---	7236.11
		06/12/12	---	dry	---	---
		07/23/13		dry		---
		11/18/14	Plugged and Abandoned			

Table 1

Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	PSH Thickness (feet)	Ground Water Elevation (feet amsl)
SVE-3	7,293.68	02/10/98	---	56.24	---	7237.44
		10/11/99	---	57.42	---	7236.26
		11/16/01	---	57.81	---	7235.87
		04/17/02	---	58.01	---	7235.67
		10/30/02	---	58.18	---	7235.50
		05/21/03	---	58.49	---	7235.19
		11/10/03	---	58.76	---	7234.92
		06/07/04	---	59.15	---	7234.53
		06/08/05	---	60.42	---	7233.26
		07/10/06	60.05	60.71	0.66	7233.47
		07/25/07	60.51	60.52	0.01	7233.17
		09/22/08	---	60.53	---	7233.15
		08/04/09	---	60.08	---	7233.60
		05/18/10	---	60.91	---	7232.77
		09/25/11	---	60.13	---	7233.55
		06/12/12	---	60.25	---	7233.43
		07/23/13	---	60.99	---	7232.69
		04/22/14	---	61.80	---	7231.88
		04/13/15	---	61.41	---	7232.27
		04/20/16	---	61.69	---	7231.99
		03/27/17	---	61.30	---	7232.38
		05/01/17	---	61.02	---	7232.66
		06/20/17	---	61.12	---	7232.56
		09/22/17	---	59.95	---	7233.73
SVE-4	7,289.83	02/10/98	---	52.91	---	7236.92
		10/11/99	---	54.48	---	7235.35
		11/16/01	---	54.75	---	7235.08
		04/17/02	---	54.94	---	7234.89
		10/30/02	---	55.19	---	7234.64
		05/21/03	---	55.48	---	7234.35
		11/10/03	---	55.75	---	7234.08
		06/07/04	---	56.14	---	7233.69
		06/08/05	---	56.79	---	7233.04
		07/10/06	---	57.45	---	7232.38
		07/25/07	---	57.94	---	7231.89
		09/22/08	---	58.31	---	7231.52
		08/04/09	---	58.36	---	7231.47
		05/18/10	---	58.57	---	7231.26
		09/25/11	---	58.10	---	7231.73
		06/12/12	---	58.03	---	7231.80
		07/23/13		58.71		7231.12
		04/20/16	---	59.66	---	7230.17
		05/01/17	---	59.64	---	7230.19
		06/20/17	---	59.69	---	7230.14
		09/22/17	---	59.58	---	7230.25

Notes:

amsl = above mean sea level
LNAPL = light non-aqueous phase liquid
TOC = top of casing
--- = not applicable
NM = not measured

Table 2

Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-01B	11/21/95	3.8	7.37	12.8	1314
	02/21/96	7.5	7.40	11.9	960
	05/23/96	10.6a	7.28	13.2	1327
	08/14/96	NM	7.51	15.8	1324
	11/21/96	6.3	7.13	13.0	1080
	02/27/97	4.57	7.49	7.7	820
	05/21/97	3.73	7.02	14.0	990
	08/20/97	NM	7.29	14.7	1312
	Plugged and Abandoned				
5-01C	11/23/97	5.5	7.59	14.9	1252
	02/12/98	3.4	7.86	11.3	1137
	06/11/98	5.9	7.77	17.5	1248
	10/01/98	2.8	7.70	13.9	1255
	04/29/99	--/2.8	7.67	13.1	1262
	10/13/99	4.1	7.78	14.9	1294
	05/12/00	0.0/1.2	7.57	12.8	1390
	11/17/00	2.6	7.57	13.0	1467
	05/22/01	2.6/2.6	7.48	14.0	1510
	11/18/01	2.5	7.46	14.7	1506
	04/20/02	3.2	7.50	14.5	1494
	10/30/02	3.6	7.48	14.8	1498
	05/21/03	3.5	7.43	15.7	1571
	11/10/03	3.9	7.32	12.5	1387
	06/07/04	2.7	7.43	14.5	1637
	06/08/05	---	7.39	14.1	1658
	07/11/06	3.3	7.28	13.4	1318
	07/25/07	3.3	7.61	13.4	1300
	09/23/08	3.0	7.88	13.0	1310
	08/04/09	3.9	7.08	14.2	1718
5-02B	11/21/95	2.1	6.89	14.5	920
	02/22/96	4.0	7.14	11.9	1010
	05/23/96	1.4	7.21	14.0	1430
	08/14/96	NM	7.36	15.0	1000
	11/21/96	2.9	7.02	13.0	990
	02/28/97	2.2	7.20	9.6	990
	11/26/14	Plugged and Abandoned			
5-02C	11/24/97	3.0	7.24	12.5	1439
	02/11/98	0.9	7.24	10.1	1397
	06/10/98	1.3	7.15	13.5	1502
	10/01/98	2.1	7.17	14.6	1617
	04/28/99	--/0.8	7.10	13.4	1756
	10/13/99	0.9	7.12	14.1	1858
	05/13/00	0.9	7.11	13.4	1821
	11/17/00	2.2	7.18	13.1	1832
	05/24/01	2.6/1.6	7.11	15.8	1800
	11/17/01	NM	7.14	14.8	1806
	04/20/02	1.5	7.15	15.0	1829
	10/31/02	0.9	7.11	15.6	1811
	05/22/03	1.2	7.10	16.4	1833
	11/11/03	1.7	7.03	12.9	1541
	06/08/04	1.3	7.04	15.9	1934
	06/09/05	---	7.04	14.3	1984
	09/25/11	LNAPL			
	07/10/12	LNAPL			
	07/23/13	LNAPL			
	04/21/14	LNAPL			
	04/13/15	LNAPL			
	04/20/16	LNAPL			
	03/27/17	LNAPL			

Table 2

Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-03B	11/15/95	8.0	7.59	14.0	860
	05/20/96	7.0b	8.26	13.4	1282
	08/12/96	8.6b	7.91	14.2	1000
	11/18/96	8.0/7.0	7.77	12.0	1110
	02/24/97	5.74/7.0	7.77	10.2	980
	05/20/97	8.8/8.0	7.73	13.8	1060
	05/18/97	8.0	7.69	13.5	1423
	11/17/97	7.36/8.0	7.64	13.4	1100
	02/10/98	8.17	7.36	12.5	1000
	06/08/98	8.8	7.58	13.4	1375
	06/11/98	8.8	7.60	13.3	1379
	09/29/98	8.3/8.0	7.59	13.9	1390
	04/27/99	8.6	7.72	13.8	1357
	10/11/99	8.6/8.0	7.75	13.1	1326
	05/11/00	7.6/7.5	7.78	13.1	1311
	05/22/01	8.5/8.0	7.79	14.1	1314
	04/18/02	8.2	7.81	14.9	1347
	05/20/03	8.1	7.74	16.0	1415
	06/07/04	2.7	7.65	14.2	1450
5-04B	11/17/95	NM	7.15	14.6	1097
	11/22/95	5.6	7.87	14.0	720
	05/14/00	--	--	--	--
	11/17/00	1.9	7.57	12.1	1851
	05/22/01	2.7/2.6	7.54	16.1	1994
	11/18/01	4.0	7.56	16.6	1994
	04/19/02	4.8	7.48	17.0	1974
	10/30/02	4.9	7.31	17.1	1961
	05/21/03	7.1	7.52	18.5	1966
	11/10/03	8.9	7.85	14.9	1669
	11/18/14	Plugged and Abandoned			
5-05B	11/17/95	2.9	7.04	13.0	1350
	05/22/96	1.4	7.36	13.8	1419
	08/14/96	1.08	7.61	14.3	1395
	11/20/96	4.2	7.26	12.2	1110
	02/25/97	2.86	7.46	8.2	890
	10/13/99	7.1	7.42	13.2	1512
	05/11/00	2.2/2.4	7.38	13.3	1565
	11/17/00	2.5	7.43	12.8	1592
	05/22/01	2.5	7.37	14.4	1578
	11/18/01	1.1	7.45	14.8	1290
	04/18/02	0.8	7.41	17.9	1444
	10/30/02	1.2	7.29	15.1	1495
	05/21/03	1.0	7.29	15.8	1515
	11/10/03	2.1	7.16	12.4	1316
	06/08/04	1.0	7.21	13.9	1555
5-06B	11/21/95	3.2	7.51	14.0	880
	02/22/96	7.2	7.71	12.6	880
	05/23/96	1.7	7.90	13.2	1248
	08/15/96	NM	7.57	15.0	980
	11/22/96	4.5	7.34	11.9	900
	02/28/97	1.11	7.78	11.7	895
	05/22/97	1.66	7.29	13.5	920
	08/20/97	2.7/2.2	7.62	14.2	1140
	Plugged and Abandoned				

Table 2

Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-06C	11/23/97	0.5/0.8	7.67	14.3	1181
	02/12/98	0.0	7.75	11.9	1072
	06/11/98	3.2/0.6	7.67	16.0	1159
	10/02/98	0.7	7.64	13.6	1152
	04/29/99	--/1.0	7.55	12.8	1135
	10/14/99	0.2/0.4	7.66	13.3	1156
	05/13/00	0.4/0.6	7.65	13.2	1178
	11/17/00	2.1	7.62	13.0	1287
	05/22/01	0.9	7.61	13.9	1252
	11/18/01	1.1	7.62	14.4	1241
	04/20/02	1.4	7.64	14.4	1256
	10/30/02	0.5	7.62	14.7	1265
	05/21/03	1.7	7.47	15.2	1432
	11/10/03	1.8	7.38	12.3	1244
	06/07/04	1.4	7.43	14.4	1441
	06/09/05	---	7.34	12.7	1560
	07/11/06	2.0	7.42	13.7	1145
	07/25/07	3.0	7.57	13.0	1094
	09/23/08	3.1	7.88	13.2	1115
	08/04/09	2.8	7.06	13.4	1461
	05/18/10	2.9	6.83	12.6	1538
	09/25/11	6.9	7.24	13.8	1351
	06/12/12	3.6	7.00	13.3	1469
	07/10/12	3.7	7.15	13.2	1455
	07/23/13	3.1	6.80	13.3	1517
	04/22/14	3.8	6.95	15.4	1585
	04/13/15	4.71	6.84	13.8	1410
	04/21/16	3.62	7.16	12.7	1480
	03/27/17	3.68	8.06	10.8	1785
5-12B	11/16/95	6.5	7.38	13.9	900
	05/24/96	8.0	7.44	15.0	870
	08/13/96	8.6	8.27	13.9	1242
	11/19/96	--/8.0	7.25	12.5	890
	02/26/97	4.78/6.5	7.58	11.8	895
	05/21/97	6.15	7.48	13.7	905
	08/19/97	--/7.0	7.61	14.9	1255
	11/17/97	8.49	7.65	13.9	990
	02/11/98	6.2 /7.0	7.70	11.3	1114
	06/09/98	10.2/8.0	7.65	17.1	1217
	09/30/98	8.1/7.0	7.67	15.4	1232
	04/27/99	7.8	7.70	12.8	1240
	10/12/99	7.2	7.87	14.2	1241
	05/11/00	6.7	7.83	14.4	1248
	05/23/01	6.7	7.78	15.2	1251
	04/19/02	7.4	8.04	15.1	1241
	05/20/03	8.6	8.00	15.8	1242
	06/08/04	3.9	8.03	16.3	1323
	11/17/14	Plugged and Abandoned			

Table 2

Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-13B	11/20/95	4.3	7.59	13.9	800
	02/21/96	4.2	7.67	13.8	840
	05/22/96	1.4	7.68	13.8	860
	08/13/96	3.04	8.71	14.5	850
	11/20/96	2.7	7.49	13.0	850
	02/26/97	1.51	7.53	11.9	850
	05/21/97	2.79	7.31	13.4	880
	08/19/97	1.2/0.8	7.49	17.6	1205
	11/18/97	--/1.2	7.78	10.1	1060
	02/11/98	1.3/1.0	7.81	11.0	1077
	06/09/98	1.8	7.54	14.6	1166
	09/30/98	1.2/1.4	7.57	14.3	1187
	04/27/99	--	7.54	12.8	1223
	10/12/99	3.0	7.62	13.4	1257
	05/11/00	0.1/0.8	7.50	13.2	1274
	11/16/00	2.1/1.0	7.44	13.2	1306
	05/23/01	2.3	7.47	14.1	1296
	11/17/01	2.2	7.53	15.0	1288
	04/19/02	1.9	7.49	15.2	1267
	10/31/02	1.7	7.47	15.4	1265
	05/20/03	1.9	7.44	15.5	1263
	11/11/03	1.8	7.34	12.9	1112
	06/08/04	1.5	7.95	16.4	1330
	11/17/14	Plugged and Abandoned			
5-14B	11/16/95	8.0	8.03	14.6	1056
	05/21/96	9.8a	8.01	13.9	1011
	08/13/96	6.89	8.64	15.6	992
	11/19/96	6.1	7.42	12.5	720
	02/26/97	--/6.5	7.87	10.5	931
	05/21/97	6.81/7.0	7.87	13.2	964
	11/17/97	6.8	7.86	11.9	841
	02/10/98	8.12	6.91	10.2	630
	06/09/98	8.7/8.5	7.85	17.3	923
	09/30/98	6.70	7.79	15.0	1064
	04/27/99	7.5/6.5	7.79	13.3	1058
	10/12/99	7.9	7.88	13.5	1075
	05/11/00	7.3	7.85	13.0	1014
	05/24/01	8.1	7.86	14.3	1027
	04/19/02	6.9	7.86	15.5	1148
	05/22/03	7.2	7.79	16.1	1168
	06/08/04	3.4	7.82	16.2	1246
	11/17/14	Plugged and Abandoned			
5-15B	11/16/95	6.9	7.98	12.5	982
	05/22/96	4.9	7.67	13.0	710
	08/14/96	9.85	8.26	14.4	1006
	11/20/96	--/8.0	7.54	14.0	720
	02/26/97	--/6.8	7.82	11.4	977
	05/21/97	6.49	7.77	12.9	1020
	08/19/97	8.0/8.0	7.80	14.5	934
	11/17/97	6.4/6.5	7.78	11.8	904
	02/11/98	6.22/7.0	7.39	13.1	720
	06/10/98	8.0/7.0	7.73	14.4	979
	09/30/98	9.6	7.76	16.1	1031
	04/28/99	--/7.0	7.73	13.0	1022
	10/12/99	5.8	7.87	13.3	950
	05/12/00	8.1	7.65	13.1	1008
	05/24/01	6.4	7.77	14.6	1049
	04/19/02	6.0	7.79	15.6	1116
	05/22/03	5.2	7.73	17.0	1150
	06/08/04	3.1	7.69	15.2	1159
	11/18/14	Plugged and Abandoned			

Table 2

Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-16B	11/20/95	2.4	7.50	13.0	800
	02/21/96	3.5	7.58	13.8	840
	05/23/96	1.3	7.47	13.2	1181
	08/15/96	1.9/1.0	7.46	14.3	1214
	11/21/96	--/1.0	7.45	13.0	1000
	02/27/97	2.31	7.52	12.0	1131
	05/22/97	1.13	7.30	14.9	900
	08/20/97	1.6/0.4	7.41	15.4	1100
	11/19/97	0.4/0.4	7.46	12.6	1096
	02/11/98	2.78	7.16	11.6	840
	06/10/98	--	--	--	--
	10/01/98	--	--	--	--
	04/28/99	--	--	--	--
	10/13/99	--	--	--	--
	05/12/00	--	--	--	--
	11/17/00	--	--	--	--
	05/24/01	--	--	--	--
	11/18/01	--	--	--	--
	04/20/02	--	--	--	--
	10/31/02	--	--	--	--
	05/22/03	--	--	--	--
	11/11/03	--	--	--	--
	06/08/04	1.47	7.76	15.60	544
	06/08/05	NM	7.67	15.30	1566
	07/10/06	--	--	--	--
	07/25/07	--	--	--	--
	09/23/08	--	--	--	--
	08/04/09	--	--	--	--
	05/18/10	--	--	--	--
	09/25/11	--	--	--	--
	06/12/12	--	--	--	--
	07/23/13	--	--	--	--
	04/21/14	2.00	6.88	14.72	1596
	04/13/15	3.5	7.1	13.57	1490
	04/21/16	1.98	7.31	13.50	1550
5-17B	11/20/95	7.4	7.65	13.4	1525
	05/22/96	6.4	7.44	12.5	1005
	08/14/96	NM	7.66	17.0	1090
	11/20/96	NM	7.69	13.6	1160
	02/27/97	4.57	7.64	11.6	930
	05/21/97	NM	7.64	14.2	990
	08/20/97	9.0/8.0	7.67	15.8	1335
	11/18/97	9.5	7.91	12.0	990
	02/11/98	NM	7.25	10.2	910
	06/10/98	9.4	7.67	13.9	1331
	10/02/98	10.0	7.70	15.0	1345
	04/28/99	--/7.8	7.69	13.7	1344
	10/13/99	8.8/9.0	7.77	12.9	1381
	05/12/00	8.2	7.76	12.9	1363
	11/17/00	8.5	7.78	13.1	1385
	05/23/01	9.2/8.0	7.73	14.6	1405
	11/17/01	NM	7.73	14.9	1388
	04/19/02	8.4	7.80	14.8	1401
	10/31/02	8.5	7.75	15.3	1361
	05/22/03	8.6	7.71	15.7	1383
	11/11/03	8.9	7.61	12.6	1231
	06/08/04	3.3	7.44	14.9	1529
	06/08/05	NM	7.36	13.9	1816
	07/10/06	3.2	7.25	13.1	1597
	07/25/07	4.7	7.48	13.6	1557
	09/23/08	5.6	7.83	13.1	1583
	08/04/09	5.9	7.02	13.7	2005

Table 2

Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-18B	11/17/95	1.4	7.68	14.0	720
	02/21/96	5.6	7.76	12.2	760
	05/22/96	1.5	7.62	13.3	790
	08/14/96	2.38	8.27	14.2	1071
	11/20/96	2.3	7.70	13.0	890
	02/27/97	1.29	7.78	11.7	988
	05/22/97	4.45	7.71	13.3	1065
	08/19/97	0.8/0.4	7.69	14.1	988
	11/17/97	7.76	7.72	12.9	860
	02/11/98	2.28	7.33	12.8	790
	06/10/98	0.6/0.6	7.61	13.6	1095
	09/30/98	2.2/0.8	7.60	15.6	1142
	04/28/99	--/1.4	7.53	12.7	1144
	10/12/99	2.3/2.0	7.64	14.0	1164
	05/12/00	2.4	7.54	13.4	1198
	11/16/00	3.8	7.52	13.0	1257
	05/24/01	3.8	7.51	15.7	1264
	11/17/01	3.8	7.51	15.4	1234
	04/20/02	2.0	7.61	14.5	1124
	10/31/02	1.0	7.56	15.5	1112
	05/22/03	1.6	7.52	15.6	1117
	11/11/03	1.9	7.45	13.0	976
	06/08/04	1.8	7.43	16.5	1171
	06/08/05	NM	7.52	14.7	1198
	07/10/06	3.0	7.39	13.9	964
	07/25/07	1.3	7.59	14.8	962
	09/23/08	2.9	7.91	14.5	989
	08/04/09	1.1	7.04	15.2	1233
	05/18/10	1.7	6.78	13.2	1341
	09/25/11	2.1	7.10	13.5	1389
	06/12/12	2.1	6.97	13.5	1362
	07/23/13	2.4	6.93	14.2	1363
	04/21/14	5.4	7.11	21.0	1312
	04/13/15	2.94	7.08	13.11	1350
	04/21/16	1.4	7.42	13.0	1460
	03/28/17	No parameters due to insufficient well volume			
5-19B	11/20/95	2.00	7.68	13.0	700
	02/21/96	4.4	7.81	12.7	730
	05/22/96	2.0	7.78	14.1	1023
	08/14/96	3.0	7.99	14.7	1022
	11/21/96	3.2	7.79	12.8	840
	02/27/97	1.9/1.8	7.83	10.2	951
	05/21/97	2.7	7.84	12.8	1002
	08/20/97	2.5/1.6	7.82	15.7	939
	11/17/97	3.68/1.0	7.91	12.3	800
	02/11/98	2.26	7.47	12.0	710
	06/10/98	0.5	7.80	13.8	968
	10/01/98	0.2/0.4	7.75	14.0	982
	04/28/99	--/0.4	7.89	12.7	982
	10/12/99	0.2	8.00	13.6	990
	05/12/00	0.6/0.8	7.89	13.0	986
	11/17/00	1.2/1.4	7.96	13.2	999
	05/24/01	1.8/1.6	7.93	14.9	1007
	11/17/01	1.5	7.92	15.2	1019
	04/19/02	0.7	8.00	15.1	1038
	10/31/02	2.6	7.95	15.5	1051
	05/22/03	1.0	7.88	16.2	1094
	11/11/03	1.4	7.81	13.0	971
	06/08/04	1.5	7.87	15.0	1147
	11/18/14	Plugged and Abandoned			

Table 2

Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-20B	11/17/95	2.9	7.16	13.7	1200
	05/22/96	1.8	7.18	14.4	1120
	08/14/96	4.84	7.82	16.2	1629
	11/20/96	NM	7.04	12.5	1180
	02/27/97	1.51	7.21	11.1	1120
	05/22/97	1.83/1.0	7.39	13.4	1537
	08/19/97	2.5/1.2	7.13	16.9	1590
	11/18/97	6.91	7.42	12.4	1200
	02/11/98	0.00	7.35	10.9	1369
	06/09/98	2.80	7.29	16.1	1481
	10/01/98	2.4/1.8	7.31	15.8	1467
	04/28/99	--/0.8	7.30	13.4	1362
	10/12/99	2.6/2.2	7.46	14.4	1334
	05/12/00	0.5/0.6	7.25	12.7	1325
	11/16/00	1.4/1.4	7.45	12.7	1337
	05/24/01	1.1/0.8	7.48	14.4	1290
	11/17/01	1.4	7.52	15.2	1260
	04/19/02	0.7	7.49	14.9	1275
	10/31/02	1.1	7.48	15.3	1292
	05/22/03	0.5	7.42	15.7	1306
	11/11/03	1.5	7.35	12.9	1149
	06/08/04	1.6	7.41	13.9	1332
	06/08/05	NM	7.43	15.0	1347
	07/10/06	1.3	7.46	13.5	1030
	07/25/07	1.3	7.55	14.3	1028
	09/23/08	1.9	7.88	13.6	1032
	08/04/09	0.3	6.99	14.1	1335
	05/18/10	2.1	6.99	12.9	1419
	09/25/11	1.9	7.17	13.3	1401
	06/12/12	1.6	7.03	13.4	1390
	07/23/13	1.7	6.89	13.4	1353
	04/21/14	3.4	6.98	18.4	1213
	04/13/15	3.3	7.42	13.83	1140
	04/21/16	1.65	7.55	12.9	1240
	03/28/17	2.17	7.60	11.9	1452
5-22B	11/15/95	6.4	7.70	12.9	990
	02/22/96	6.6	7.47	12.3	1030
	05/20/96	NM	8.32	13.8	1549
	08/12/96	8.01	7.63	15.0	1100
	11/18/96	5.6	7.48	12.2	1300
	02/27/97	3.53	7.39	10.0	1180
	05/22/97	NM	7.49	13.0	1899
	08/20/97	3.0/2.2	7.32	14.8	2060
	11/18/97	--/1.8	7.80	13.6	1740
	11/26/14	Plugged and Abandoned			
5-23B	11/16/95	3.8	7.31	13.3	800
	05/22/96	2.6	7.66	13.0	1077
	08/13/96	5.06	8.80	15.0	780
	11/19/96	4.4	7.69	13.0	880
	02/26/97	--/3.4	7.73	11.8	1018
	05/21/97	4.1/4.0	7.73	12.6	1036
	08/19/97	3.0/2.8	7.75	14.5	949
	11/17/97	2.0	7.74	11.1	920
	02/10/98	1.0	7.77	10.7	928
	06/08/98	2.8/2.2	7.01	13.7	1004
	09/29/98	2.6/2.0	7.67	13.7	1013
	04/27/99	2.6/2.0	7.72	12.9	1015
	10/12/99	1.6/1.8	7.83	12.8	1024
	05/11/00	1.5/1.8	7.77	13.0	1035
	05/23/01	2.1	7.72	14.0	1084
	04/19/02	1.5	7.72	15.0	1103
	05/20/03	1.2	7.71	15.6	1112
	06/08/04	1.6	7.63	14.3	1131
	11/17/14	Plugged and Abandoned			

Table 2

Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-24B	11/17/95	1.7	7.33	13.2	1050
	05/21/96	3.5	7.41	13.9	1050
	08/13/96	2.32	8.07	16.0	1050
	11/19/96	3.30	7.36	12.6	1210
	02/26/97	--/1.4	7.42	11.6	1468
	05/20/97	4.83	7.56	12.6	1240
	05/21/97	3.44	7.24	13.1	1110
	08/19/97	3.8/4.0	7.32	15.5	1568
	11/18/97	2.20	7.39	12.2	1386
	02/10/98	3.2/3.0	7.44	11.2	1392
	06/09/98	4.30	7.34	14.6	1492
	09/29/98	5.5	7.32	13.6	1499
	04/27/99	9.7/8.0	7.37	14.1	1501
	10/11/99	4.3	7.46	13.6	1468
	05/11/00	4.8	7.43	13.5	1454
	11/16/00	7.4/6.0	7.52	12.6	1467
	05/23/01	2.9	7.52	15.0	1475
	11/17/01	4.9	7.54	15.3	1449
	04/19/02	2.2	7.56	15.0	1426
	10/31/02	4.1	7.62	15.3	1413
	05/20/03	1.3	7.51	15.4	1397
	11/11/03	4.8	7.46	13.0	1215
	06/08/04	2.8	7.68	15.4	1428
	11/17/14	Plugged and Abandoned			
5-35B	05/18/10	1.61	6.48	15.07	1834
	09/25/11	1.53	6.96	17.51	1554
	06/12/12	1.74	6.84	15.79	1643
	07/23/13	--	--	--	--
	04/22/14	1.85	6.49	15.45	1644
	04/13/15	No parameters due to insufficient well volume			
	04/21/16	3.56	7.17	14.20	1570
	03/28/17	1.36	7.40	12.86	1870
	06/20/17	2.86	6.60	13.83	1460
	09/22/17	0.68	6.42	14.30	1370
5-37I	08/15/96	1.67	8.48	17.2	1382
	11/22/96	NM	7.70	14.9	1080
5-41B	11/16/95	2.00	7.28	14.5	940
	05/21/96	1.82	7.41	15.8	920
	08/13/96	2.68	7.99	15.0	910
	11/19/96	3.80	7.41	13.8	1080
	02/25/97	1.65	7.43	12.5	930
	05/20/97	4.83/3.0	7.56	12.6	1230
	08/18/97	--/2.2	7.55	14.1	1285
	11/26/14	Plugged and Abandoned			
5-47B	11/15/95	2.50	7.83	13.0	900
	05/21/96	4.70	7.54	14.6	1080
	08/13/96	3.17	7.98	15.2	1060
	11/19/96	NM	7.56	19.1	1110
	02/26/97	2.20	7.71	11.0	1000
	05/20/97	3.18/2.6	7.74	13.8	1100
	08/18/97	--/4.0	7.68	16.3	1470
	Plugged and Abandoned				

Table 2

Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-48B	11/20/95	1.40	7.60	13.7	1035
	02/21/96	3.60	7.54	14.0	750
	05/22/96	2.20	7.62	14.6	1032
	08/14/96	2.80	7.62	15.5	800
	11/21/96	3.10	7.45	15.2	780
	02/27/97	2.40	7.61	11.8	950
	05/22/97	2.52	7.33	14.1	820
	08/20/97	2.2/0.4	7.34	18.3	1139
	11/19/97	5.57/1.6	7.48	14.0	900
	02/12/98	2.23	7.44	14.8	810
	06/11/98	3.6/2.0	7.53	16.3	1176
	10/01/98	0.2	7.56	15.7	1239
	04/28/99	NM	7.47	15.4	1261
	10/12/99	--	--	--	--
	05/12/00	--	--	--	--
	11/17/00	--	--	--	--
	05/22/01	--	--	--	--
	11/18/01	--	--	--	--
	04/20/02	0.9	7.54	15.7	1524
	10/30/02	--	--	--	--
	05/21/03	--	--	--	--
	11/11/03	--	--	--	--
	06/07/04	0.9	7.51	16.2	1550
	06/09/05	--	7.31	15.5	1530
5-57B	11/15/95	4.60	7.59	13.1	880
	05/20/96	3.10	8.75	13.2	1212
	08/12/96	5.24	7.76	14.0	875
	11/18/96	5.4/2.2	7.53	12.9	980
	02/25/97	--/3.4	7.71	10.6	1191
	05/20/97	6.01	7.69	12.8	1130
	08/18/97	0.7/2.6	7.69	14.4	1071
	Plugged and Abandoned				
5-58B	11/16/95	8.10	7.47	14.8	740
	05/20/96	6.70	8.71	13.2	1073
	08/12/96	6.44	7.71	14.5	750
	11/18/96	7.00	7.58	12.6	880
	02/25/97	7.0b	7.69	11.4	1073
	05/20/97	6.84	7.73	13.2	790
	08/18/97	5.8/6.5	7.68	15.2	964
	Plugged and Abandoned				
5-59	11/18/01	6.2	7.50	14.5	1430
	04/20/02	6.7	7.60	14.1	1431
	10/30/02	8.1	7.68	14.6	1437
	05/21/03	5.9	7.40	15.3	1519
	11/11/03	6.8	7.21	12.4	1295
	06/08/04	3.2	7.38	12.8	1495
	06/09/05	NM	7.37	14.2	1453
	07/10/06	6.7	7.42	13.3	1112
	07/25/07	5.5	7.33	14.1	1124
	09/23/08	6.0	7.84	12.9	1143
	08/04/09	5.8	7.13	14.3	1501
	05/18/10	6.5	6.62	12.9	1555
	09/25/11	8.0	7.06	13.6	1546
	06/12/12	7.0	6.87	13.6	1573
	07/10/12	6.2	7.22	14.8	1543
	07/23/13	5.8	6.83	14.2	1590
	04/22/14	6.67	6.93	19.21	1640
	04/13/15	11.02	8.07	16.5	1420
	04/21/16	5.72	6.84	12.70	1510
	03/28/17	4.52	7.75	11.24	1801

Table 2

Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-60	11/18/01	6.5	7.67	14.5	1296
	04/20/02	6.6	7.74	14.1	1291
	10/30/02	7.4	7.67	14.9	1272
	05/21/03	7.7	7.63	15.6	1297
	11/10/03	7.5	7.72	12.4	1171
	06/07/04	3.1	7.60	13.9	1415
	06/09/05	NM	7.65	12.5	1428
	07/10/06	7.4	7.40	13.3	1095
	07/25/07	6.9	7.50	13.6	1059
	09/23/08	6.8	7.87	12.9	1034
	08/04/09	7.2	7.23	14.1	1362
SVE-1	05/11/00	7.8	7.90	13.5	992
	11/16/00	8.0	7.85	13.6	1008
	11/18/01	8.3	7.90	15.6	1016
	04/18/02	8.3	7.96	15.7	1017
	10/30/02	8.5	7.58	16.1	1000
	05/21/03	8.5	7.80	17.7	1009
	11/10/03	8.8	7.90	14.0	904
	06/07/04	2.1	7.98	21.7	1062
	11/18/14	Plugged and Abandoned			
SVE-3	05/18/10	--	--	--	--
	09/25/11	--	--	--	--
	06/12/12	--	--	--	--
	07/23/13	--	--	--	--
	04/22/14	1.39	6.83	14.27	1701
	04/13/15	3.35	6.73	13.63	1490
	04/21/16	2.43	7.09	14.30	1630
	03/28/17	1.64	7.52	12.56	1918
	06/20/17	5.25	6.43	15.16	1572
	09/22/17	1.28	6.52	13.07	1462

Notes:

mg/L = milligrams per liter
°C = degrees Celsius
uS/cm = microsiemens per centimeter
NM = not measured
-- = not applicable

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
NNEPA Standard		**5**	**1000**	**700**	**10000**
5-01B	12/01/89	< 5.0	6.3	< 5.0	NA
	03/01/90	< 5.0	< 5.0	< 5.0	25
	06/01/90	< 5.0	< 5.0	< 5.0	< 5.0
	08/01/90	< 1	< 1	< 1	3.5
	11/01/90	< 0.50	< 0.50	< 0.50	3.0
	01/01/91	< 1.0	< 1.0	< 1.0	4.8
	02/01/91	1.6	< 0.50	< 0.50	4.6
	03/01/91	2.0	< 0.50	< 0.50	5.2
	04/01/91	1.2	< 0.50	< 0.50	3.6
	05/01/91	< 0.50	< 0.50	< 0.50	5.4
	06/01/91	< 0.50	0.63	< 0.50	1.9
	07/01/91	< 0.50	< 0.50	< 0.50	6.0
	09/01/91	< 0.50	< 0.50	< 0.50	7.8
	10/01/91	< 0.50	< 0.50	< 0.50	6.4
	11/01/91	< 0.50	< 0.50	< 0.50	9.8
	12/01/91	< 0.50	< 0.50	< 0.50	2.4
	01/09/92	< 0.50	< 0.50	< 0.50	< 0.50
	01/27/92	< 0.50	< 0.50	< 0.50	0.79
	02/20/92	< 0.50	< 0.50	< 0.50	5.2
	03/18/92	< 2.50	< 0.50	< 0.50	3.3
	04/29/92	< 0.50	< 0.50	< 0.50	2.3
	10/14/92	< 0.50	< 0.50	< 0.50	4.7
	12/13/94	< 0.50	< 0.50	< 0.50	< 0.50
	06/27/95	< 0.50	< 0.50	< 0.50	< 0.50
	10/06/95	< 0.50	< 0.50	< 0.50	< 0.50
	11/21/95	< 0.50	< 0.50	< 0.50	< 0.50
	02/22/96	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50
	08/15/96	< 0.50	< 0.50	< 0.50	< 0.50
	11/22/96	0.8	< 0.50	< 0.50	< 0.50
	02/28/97	0.6	< 0.50	< 0.50	< 0.50
	05/22/97	1.2	< 0.50	< 0.50	< 0.50
	08/21/97	0.5	< 0.50	< 0.50	< 0.50
	Plugged and Abandoned				
5-01C	11/23/97	1.4	< 0.50	< 0.50	< 0.50
	01/08/98	2.0	< 0.50	< 0.50	< 0.50
	02/12/98	< 0.50	< 0.50	< 0.50	< 0.50
	06/11/98	**6.5**	< 0.50	< 0.50	< 0.50
	10/02/98	**5.2**	< 0.50	< 0.50	< 0.50
	04/29/99	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/99	< 1.0	< 2.0	< 2.0	< 4.0
	05/12/00	< 1.0	< 2.0	< 2.0	< 4.0
	11/17/00	< 0.50	< 0.50	< 0.50	< 1.0
	05/22/01	< 1.0	< 1.0	< 1.0	< 2.0
	11/19/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/20/02	< 0.50	< 0.50	< 0.50	< 0.50
	10/30/02	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/03	< 0.50	< 0.50	< 0.50	< 0.50
	11/10/03	< 0.50	< 0.50	< 0.50	< 0.50
	06/07/04	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/05	< 0.50	< 0.50	< 0.50	< 0.50
	07/11/06	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-02B	05/01/89	**1800**	**2000**	< 200	NA
	08/01/89	**2500**	**4700**	< 500	NA
	11/01/89	**1800**	**3100**	250	NA
	03/01/90	**2300**	**3800**	< 250	2400
	06/01/90	**1900**	**3100**	< 250	2300
	08/01/90	**1400**	**2300**	180	1700
	11/01/90	**1500**	**2400**	230	1900
	01/01/91	**600**	730	110	940
	02/01/91	**460**	580	75	600
	03/01/91	**2400**	**3300**	290	2600
	04/01/91	**830**	**1200**	110	920
	05/01/91	**830**	**1200**	150	1300
	06/01/91	**5.1**	7.0	0.57	4.7
	07/01/91	**400**	600	49	420
	09/01/91	**510**	750	57	530
	10/01/91	**290**	450	37	310
	11/01/91	**740**	**1200**	97	950
	12/01/91	**330**	580	31	320
	01/09/92	**360**	710	52	480
	01/28/92	**420**	810	64	560
	02/20/92	**890**	**1600**	140	1200
	03/19/92	**910**	**2100**	170	1700
	04/29/92	**1700**	**3800**	240	2200
	10/14/92	**800**	700	74	640
	04/22/93	**120**	< 0.50	11	38
	12/09/94	**2100**	**2600**	220	1800
	06/26/95	**1200**	**2700**	130	1200
	10/06/95	**490**	**1600**	66	640
	11/21/95	**740**	**2900**	160	1100
	02/22/96	**260**	**1000**	62	600
	05/21/96	**380**	120	**1300**	1100
	08/14/96	**420**	**1200**	100	880
	11/21/96	**660**	**1300**	150	1600
	02/28/97	**260**	500	90	680
	11/26/14	Plugged and Abandoned			
5-02C	11/23/97	**26**	2.7	9.1	2.7
	02/11/98	**110**	7.0	33	8.3
	06/10/98	**460**	**1000**	120	750
	10/01/98	**1300**	**3500**	230	1800
	04/28/99	**1500**	**4400**	260	2500
	10/13/99	**1300**	**3900**	320	3100
	05/13/00	**980**	**3400**	340	3500
	11/17/00	**671**	**1000**	372	3820
	05/24/01	**446**	60	340	3406
	11/17/01	**587**	15.2	365	3622
	04/20/02	**450**	< 10.0	300	3100
	10/31/02	**330**	< 5.0	230	2000
	05/22/03	**290**	< 10.0	200	800
	11/11/03	**450**	< 2.50	240	770
	06/08/04	**270**	28	160	1000
	06/09/05	**300**	< 10.0	190	1700
	09/25/11	**27**	< 10.0	91	220
	07/10/12	**40**	12	130	730
	07/23/13	**34**	50	130	1200
	04/21/14	Not sampled due to LNAPL presence			
	04/13/15	Not sampled due to LNAPL presence			
	04/20/16	Not sampled due to LNAPL presence			
	03/27/17	Not sampled due to LNAPL presence			

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-03B	05/01/89	< 5.0	< 5.0	< 5.0	NA
	11/01/89	< 5.0	< 5.0	< 5.0	NA
	04/01/90	< 5.0	< 5.0	< 5.0	< 5.0
	05/01/90	< 5.0	< 5.0	< 5.0	< 5.0
	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0
	11/01/90	< 0.50	< 0.50	< 0.50	< 1.0
	01/01/91	< 0.30	< 0.30	< 0.30	< 0.60
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	06/01/91	< 0.50	1.4	< 0.50	2.2
	07/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	09/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50
	11/01/91	< 0.50	< 0.50	< 0.50	< 0.50
	12/01/91	< 0.50	< 0.50	< 0.50	< 0.50
	01/09/92	< 0.50	< 0.50	< 0.50	< 0.50
	01/27/92	< 0.50	< 0.50	< 0.50	< 0.50
	02/19/92	< 0.50	< 0.50	< 0.50	< 0.50
	03/17/92	< 0.50	< 0.50	< 0.50	< 0.50
	04/28/92	< 0.50	< 0.50	< 0.50	< 0.50
	10/07/92	< 0.50	< 0.50	< 0.50	< 0.50
	12/09/94	< 0.50	< 0.50	< 0.50	< 0.50
	06/26/95	< 0.50	< 0.50	< 0.50	< 0.50
	10/03/95	< 0.50	< 0.50	< 0.50	< 0.50
	11/15/95	< 0.50	< 0.50	< 0.50	< 0.50
	02/19/96	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50
	08/12/96	< 0.50	< 0.50	< 0.50	< 0.50
	11/18/96	< 0.50	< 0.50	< 0.50	< 0.50
	02/24/97	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/97	< 0.50	< 0.50	< 0.50	< 0.50
	08/18/97	< 0.50	< 0.50	< 0.50	< 0.50
	11/17/97	< 0.50	< 0.50	< 0.50	< 0.50
	02/10/98	< 0.50	< 0.50	< 0.50	< 0.50
	06/11/98	< 0.50	< 0.50	< 0.50	< 0.50
	09/29/98	< 0.50	< 0.50	< 0.50	< 0.50
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/99	< 1.0	< 2.0	< 2.0	< 4.0
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0
	05/22/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/18/02	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/03	< 0.50	< 0.50	< 0.50	< 0.50
	06/07/04	< 0.50	< 0.50	< 0.50	< 0.50

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-04B	10/01/89	< 25.0	< 25.0	< 25.0	NA
	12/01/89	**18**	< 5.0	< 5.0	NA
	01/01/90	**21**	< 5.0	< 5.0	NA
	04/01/90	**54**	< 5.0	7.1	110
	06/01/90	**60**	< 50.0	< 50	64
	08/01/90	**63**	9.5	< 1	15
	11/01/90	**25**	< 5.0	< 5.0	< 10
	01/01/91	**22**	1.6	0.75	5.6
	03/01/91	**76**	11	< 0.50	5.7
	04/01/91	**39**	0.66	< 0.50	2.9
	05/01/91	**90**	1.1	0.96	13
	06/01/91	**81**	21	14	87
	07/01/91	**71**	< 0.50	4.5	43
	09/01/91	**270**	< 1.0	6.6	54
	10/01/91	**180**	< 5.0	7.8	48
	11/01/91	< 1.2	< 1.2	11	83
	12/01/91	**100**	< 2.5	5.1	45
	01/10/92	**53**	< 1.2	3.7	44
	01/28/92	**48**	2.8	6.5	44
	02/19/92	**42**	< 1.0	3.4	39
	03/18/92	< 0.50	< 0.50	< 0.50	< 0.50
	04/28/92	**86**	80	60	570
	10/13/92	**230**	40	19	260
	04/21/93	**170**	130	26	280
	12/12/94	**12**	2.2	3.4	3.3
	12/20/94	2.7	0.7	< 0.5	1.3
	01/10/95	**9.8**	2.3	< 0.5	2.0
	03/07/95	**93**	1.5	6.1	1.9
	06/08/95	**9.4**	1.4	0.6	< 0.50
	06/26/95	**15**	< 0.5	0.7	< 0.50
	10/05/95	**44**	1.7	3.1	< 0.50
	11/17/95	**9.9**	1.1	0.6	< 0.50
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50
	05/14/00	3	< 2.0	< 2.0	< 4.0
	11/17/00	1.65	< 0.50	< 0.50	< 1.00
	05/22/01	1.72	< 1.0	< 1.0	< 2.0
	11/18/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/03	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50
	11/18/14	Plugged and Abandoned			

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-05B	10/01/89	< 5.0	< 5.0	8.7	NA
	11/01/89	< 5.0	< 5.0	< 5.0	NA
	04/01/90	< 5.0	< 5.0	< 5.0	< 5.0
	06/01/90	< 5.0	< 5.0	< 5.0	< 5.0
	08/01/90	2.5	< 1.0	< 1.0	4.6
	11/01/90	1.4	< 0.50	< 0.50	2.9
	01/01/91	< 0.50	< 0.50	< 0.50	0.56
	02/01/91	**49**	35	7.4	56
	03/01/91	**12**	1.2	< 0.50	< 1.0
	04/01/91	1.3	< 0.50	< 0.50	< 1.0
	05/01/91	4.6	< 0.50	< 0.50	< 1.0
	06/01/91	3.8	< 0.50	< 0.50	< 1.0
	07/01/91	0.51	< 0.50	< 0.50	< 1.0
	09/01/91	3.0	< 0.50	< 0.50	< 1.0
	10/01/91	0.90	< 0.50	< 0.50	< 0.50
	11/01/91	1.2	< 0.50	< 0.50	< 0.50
	12/01/91	< 0.50	< 0.50	< 0.50	< 0.50
	01/09/92	< 0.50	< 0.50	< 0.50	< 0.50
	01/27/92	< 0.50	< 0.50	< 0.50	< 0.50
	02/19/92	< 0.50	< 0.50	< 0.50	< 0.50
	03/17/92	**53**	< 0.5	11	84
	04/28/92	< 0.50	< 0.50	< 0.50	< 0.50
	10/12/92	**770**	110	25	160
	04/21/93	**38**	< 0.5	2.4	3
	12/12/94	**150**	33	16	47
	06/26/95	**17**	0.7	1.6	0.9
	10/05/95	**8.2**	< 0.50	0.9	< 0.50
	11/17/95	**5.0**	< 0.50	< 0.50	< 0.50
	02/20/96	0.9	< 0.50	< 0.50	< 0.50
	05/21/96	1.0	< 0.50	< 0.50	< 0.50
	08/14/96	0.9	< 0.50	< 0.50	< 0.50
	11/20/96	3.3	1.5	< 0.50	< 0.50
	02/25/97	3.0	1.4	< 0.50	0.6
	10/14/99	< 1.0	< 2.0	< 2.0	< 4.0
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0
	11/17/00	0.981	< 0.500	< 0.500	< 1.00
	05/22/01	1.61	< 1.0	< 1.0	< 2.0
	11/18/01	**7.4**	< 1.0	< 1.0	< 2.0
	04/18/02	**5.2**	< 0.50	< 0.50	< 0.50
	10/30/02	3.4	< 0.50	< 0.50	< 0.50
	05/21/03	2.1	0.92	1.0	2.6
	11/10/03	1.8	< 0.50	< 0.50	< 0.50
	06/08/04	2.5	< 0.50	0.51	1.3

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-06B	10/01/89	**15**	< 5.0	< 5.0	NA
	12/01/89	**7.4**	35	21	NA
	01/01/90	< 5.0	< 5.0	8.3	NA
	04/01/90	**5.3**	< 5.0	< 5.0	120
	06/01/90	< 5.0	< 5.0	< 5.0	19
	08/01/90	< 1.0	< 1.0	1.5	36
	11/01/90	1.8	< 0.50	0.5	21
	01/01/91	< 1.0	< 1.0	< 1.0	31
	02/01/91	**12**	2.5	< 0.50	21
	03/01/91	2.0	< 0.50	< 0.50	5.1
	04/01/91	**5.2**	< 0.50	< 0.50	12
	05/01/91	**7.7**	< 0.50	< 0.50	18
	06/01/91	**11**	2.3	< 0.50	25
	07/01/91	1.5	< 0.50	< 0.50	15
	09/01/91	3.5	< 0.50	< 0.50	13
	10/01/91	3.1	0.62	0.77	9.3
	11/01/91	1.4	< 0.50	< 0.50	6.0
	11/01/91	2.3	< 0.50	< 0.50	18
	12/01/91	< 0.50	< 0.50	< 0.50	5.0
	01/09/92	2.3	< 0.50	< 0.50	< 0.50
	01/27/92	1.3	< 0.50	< 0.50	2.6
	02/20/92	1.0	< 0.50	< 0.50	1.2
	03/18/92	0.9	< 0.50	< 0.50	2.3
	04/29/92	1.4	< 0.50	< 0.50	3.6
	10/14/92	1.0	< 0.50	< 0.50	2.8
	12/14/94	4.3	< 0.50	< 0.50	0.7
	06/27/95	2.2	< 0.50	< 0.50	< 0.50
	10/06/95	4.6	< 0.50	< 0.50	< 0.50
	11/21/95	**6.2**	< 0.50	< 0.50	< 0.50
	02/22/96	4.3	< 0.50	< 0.50	< 0.50
	04/17/96	**8.9**	< 0.50	< 0.50	0.5
	04/17/96	**9.4**	< 0.50	< 0.50	< 0.50
	05/21/96	1.2	< 0.50	< 0.50	< 0.50
	08/15/96	2.4	< 0.50	< 0.50	< 0.50
	11/22/96	0.9	< 5.0	< 5.0	< 0.50
	02/28/97	0.9	< 5.0	< 5.0	< 0.50
	05/22/97	0.7	< 5.0	< 5.0	< 0.50
	08/20/97	0.7	< 5.0	< 5.0	< 0.50
	11/23/97	1.4	0.6	< 5.0	11
	Plugged and Abandoned				

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-06C	12/08/98	1.0	< 0.5	< 0.5	5.7
	01/08/98	1.9	< 0.5	< 0.5	3.1
	02/12/98	2.2	1.4	< 0.5	1.3
	06/11/98	1.2	0.6	< 0.5	< 0.5
	10/02/98	1.5	1.3	< 0.5	< 0.5
	04/29/99	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/99	< 1.0	< 2.0	< 2.0	< 4.0
	05/13/00	1.0	< 2.0	< 2.0	< 4.0
	11/17/00	< 0.50	< 0.50	< 0.50	< 1.0
	05/22/01	< 1.0	< 1.0	< 1.0	< 2.0
	11/19/01	1.19	< 1.0	< 1.0	< 2.0
	04/20/02	1.1	< 0.50	< 0.50	< 0.50
	10/30/02	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/03	< 0.50	< 0.50	< 0.50	< 0.50
	11/10/03	< 0.50	< 0.50	< 0.50	< 0.50
	06/07/04	< 0.50	< 0.50	< 0.50	< 0.50
	06/09/05	< 0.50	< 0.50	< 0.50	< 0.50
	07/11/06	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0
	05/18/10	< 1.0	< 1.0	< 1.0	< 2.0
	09/25/11	< 1.0	< 1.0	< 1.0	< 2.0
	06/12/12	< 1.0	< 1.0	< 1.0	< 2.0
	07/23/13	< 1.0	< 1.0	< 1.0	< 2.0
	04/22/14	< 1.0	< 1.0	< 1.0	< 2.0
	04/13/15	< 1.0	< 1.0	< 1.0	< 1.5
	04/21/16	< 1.0	< 1.0	< 1.0	< 1.5
	03/28/17	< 1.0	< 1.0	< 1.0	< 1.5

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-12B	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0
	11/01/90	< 0.50	< 0.50	< 0.50	< 1.0
	01/01/91	1.5	4.7	0.79	3.8
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	06/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	07/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50
	01/07/92	< 0.50	< 0.50	< 0.50	< 0.50
	04/30/92	< 0.50	< 0.50	< 0.50	< 0.50
	10/08/92	< 0.50	< 0.50	< 0.50	< 0.50
	10/03/95	< 0.50	< 0.50	< 0.50	< 0.50
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50
	08/13/96	< 0.50	< 0.50	< 0.50	< 0.50
	11/19/96	< 0.50	< 0.50	< 0.50	< 0.50
	02/26/97	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/97	< 0.50	< 0.50	< 0.50	< 0.50
	08/19/97	< 0.50	< 0.50	< 0.50	< 0.50
	11/17/97	< 0.50	< 0.50	< 0.50	< 0.50
	02/11/98	< 0.50	< 0.50	< 0.50	< 0.50
	06/09/98	< 0.50	< 0.50	< 0.50	< 0.50
	09/30/98	< 0.50	< 0.50	< 0.50	< 0.50
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0
	05/23/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/03	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50
	11/17/14	Plugged and Abandoned			

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-13B	08/01/90	**54**	13	< 1.0	330
	11/01/90	**61**	< 10.0	< 10.0	480
	01/01/91	**180**	17	< 5.0	310
	02/01/91	**270**	25	< 10.0	460
	03/01/91	**240**	< 50.0	< 50.0	480
	04/01/91	**430**	< 0.50	< 0.50	620
	05/01/91	**290**	< 10	< 10.0	450
	06/01/91	**330**	0.53	< 0.50	600
	07/01/91	**97**	0.72	< 0.50	760
	10/01/91	**71**	< 5.0	< 5.0	510
	01/08/92	**150**	< 25.0	< 25.0	570
	05/01/92	**76**	8.0	< 0.5	67
	10/13/92	**88**	8.7	< 0.5	1.5
	10/05/95	0.6	2.5	0.5	1.9
	11/20/95	< 0.50	< 0.50	0.6	2.0
	02/21/96	1.0	0.7	< 0.50	< 0.50
	05/21/96	0.7	< 0.50	< 0.50	0.8
	08/13/96	1	5.4	< 0.50	< 0.50
	11/21/96	1.2	6.1	< 0.50	< 0.50
	02/26/97	1.5	5.9	< 0.50	2.5
	05/21/97	1.1	4.3	< 0.50	0.7
	08/19/97	1.2	2.9	< 0.50	0.6
	11/18/97	1.3	2	< 0.50	< 0.50
	02/11/98	0.9	1.5	< 0.50	< 0.50
	06/09/98	0.8	0.7	< 0.50	< 0.50
	09/30/98	< 0.50	1.5	< 0.50	< 0.50
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0
	11/16/00	< 0.50	< 0.50	< 0.50	< 1.0
	05/23/01	< 1.0	< 1.0	< 1.0	< 2.0
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/03	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50
	11/17/14	Plugged and Abandoned			

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-14B	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0
	11/01/90	< 0.50	< 0.50	< 0.50	< 1.0
	01/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	06/01/91	2.8	3.2	0.53	2.0
	07/01/91	0.60	< 0.50	< 0.50	< 1.0
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50
	01/06/92	< 0.50	< 0.50	< 0.50	< 0.50
	04/30/92	< 0.50	< 0.50	< 0.50	< 0.50
	10/08/92	< 0.50	< 0.50	< 0.50	< 0.50
	10/04/95	< 0.50	< 0.50	< 0.50	< 0.50
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/96	< 0.50	2.6	1.5	< 0.50
	08/13/96	< 0.50	< 0.50	< 0.50	< 0.50
	11/19/96	< 0.50	< 0.50	< 0.50	< 0.50
	02/26/97	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/97	< 0.50	< 0.50	< 0.50	< 0.50
	08/19/97	< 0.50	< 0.50	< 0.50	< 0.50
	11/17/97	< 0.50	< 0.50	< 0.50	< 0.50
	02/10/98	< 0.50	< 0.50	< 0.50	< 0.50
	06/09/98	< 0.50	< 0.50	< 0.50	< 0.50
	09/30/98	< 0.50	< 0.50	< 0.50	< 0.50
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0
	05/24/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50
	11/17/14	Plugged and Abandoned			

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-15B	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0
	11/01/90	2.1	< 0.50	< 0.50	< 1.0
	01/01/91	< 0.30	< 0.30	< 0.30	1.0
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	06/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	07/01/91	< 0.50	0.59	< 0.50	< 1.0
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50
	01/07/92	< 0.50	< 0.50	< 0.50	< 0.50
	04/30/92	< 0.50	< 0.50	< 0.50	< 0.50
	10/08/92	< 0.50	< 0.50	< 0.50	< 0.50
	10/05/95	< 0.50	< 0.50	< 0.50	< 0.50
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50
	08/14/96	< 0.50	< 0.50	< 0.50	< 0.50
	11/20/96	< 0.50	< 0.50	< 0.50	< 0.50
	02/26/97	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/97	< 0.50	< 0.50	< 0.50	< 0.50
	08/19/97	< 0.50	< 0.50	< 0.50	< 0.50
	11/17/97	0.9	< 0.50	< 0.50	0.5
	02/11/98	1.5	< 0.50	1.0	1.2
	06/10/98	< 0.50	< 0.50	< 0.50	< 0.50
	09/30/98	< 0.50	< 0.50	< 0.50	< 0.50
	04/28/99	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0
	05/12/00	< 1.0	< 2.0	< 2.0	< 4.0
	05/24/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50
	11/18/14	Plugged and Abandoned			

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-16B	08/01/90	**19**	25	50	320
	01/01/91	< 0.30	< 0.30	< 0.30	< 0.60
	02/01/91	**320**	46	170	860
	03/01/91	**920**	14	1.2	130
	04/01/91	**92**	< 0.50	0.68	9.2
	05/01/91	**270**	< 12.0	230	1100
	06/01/91	**450**	490	460	2300
	07/01/91	**260**	140	400	2400
	09/01/91	**460**	320	550	3600
	10/01/91	**170**	420	460	3200
	11/01/91	**180**	430	330	2400
	12/01/91	**140**	490	360	2900
	01/08/92	**200**	500	410	3000
	02/20/92	**170**	330	470	3200
	03/18/92	**53**	89	400	2400
	04/29/92	**23**	3.3	210	1000
	10/13/92	**5.1**	2.3	12	63
	04/20/93	**6.5**	< 0.50	14	51
	10/05/95	**610**	**5900**	300	2600
	11/20/95	**970**	**7100**	430	3100
	02/21/96	**1700**	**6900**	340	3600
	05/21/96	**1500**	280	**6900**	3500
	08/15/96	**670**	**3600**	130	2400
	11/21/96	**460**	**2200**	130	2500
	02/27/97	**250**	**1100**	190	2000
	05/22/97	**130**	720	110	1500
	08/20/97	**130**	820	120	1300
	11/19/97	**85**	730	100	1100
	02/11/98	**41**	360	90	660
	06/10/98	**23**	210	56	590
	10/01/98	**140**	190	66	590
	04/28/99	**200**	170	45	620
	10/13/99	**610**	630	79	600
	12/05/99	**720**	390	130	570
	05/12/00	**600**	290	92	360
	11/17/00	**1360**	742	213	1010
	05/24/01	**1240**	487	174	1105
	11/18/01	**2330**	948	356	1987
	04/20/02	**1800**	660	230	1400
	10/31/02	**1300**	240	170	1100
	05/22/03	**1300**	130	180	950
	11/11/03	**2300**	240	340	1700
	06/08/04	**890**	< 5.0	110	260
	06/08/05	**1400**	< 5.0	160	520
	07/10/06	**1600**	< 20.0	150	380
	07/25/07	**1700**	< 20.0	170	590
	09/23/08	**1900**	< 5.0	180	600
	08/04/09	**1300**	< 5.0	150	590
	05/18/10	**3800**	11	340	2200
	09/25/11	**4400**	< 20.0	350	2600
	06/12/12	**3300**	< 50.0	230	1600
	07/23/13	**5100**	< 50.0	390	3000
	04/21/14	**5000**	< 50.0	360	2500
	04/13/15	**3200**	< 50.0	240	1300
	04/13/15 (DUP)	**1600**	< 50.0	110	610
	04/21/16	**2500**	< 10.0	220	1100

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-17B	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0
	11/01/90	< 0.50	< 0.50	< 0.50	< 1.0
	01/01/91	< 0.50	< 0.50	< 0.50	< 0.50
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	06/01/91	0.72	2.9	1.8	11
	07/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50
	01/08/92	< 0.50	< 0.50	< 0.50	< 0.50
	02/19/92	< 0.50	< 0.50	< 0.50	< 0.50
	03/17/92	< 0.50	< 0.50	< 0.50	< 0.50
	04/28/92	< 0.50	< 0.50	< 0.50	< 0.50
	10/07/92	< 0.50	< 0.50	< 0.50	< 0.50
	10/06/95	< 0.50	< 0.50	< 0.50	< 0.50
	11/20/95	< 0.50	< 0.50	< 0.50	< 0.50
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50
	08/14/96	< 0.50	< 0.50	< 0.50	< 0.50
	11/20/96	< 0.50	< 0.50	< 0.50	< 0.50
	02/27/97	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/97	< 0.50	< 0.50	< 0.50	< 0.50
	08/20/97	< 0.50	< 0.50	< 0.50	< 0.50
	11/18/97	< 0.50	< 0.50	< 0.50	< 0.50
	02/11/98	< 0.50	< 0.50	< 0.50	< 0.50
	06/10/98	< 0.50	< 0.50	< 0.50	< 0.50
	10/01/98	< 0.50	< 0.50	< 0.50	< 0.50
	04/28/99	< 1.0	< 1.0	< 1.0	< 1.0
	10/13/99	< 1.0	< 2.0	< 2.0	< 4.0
	05/12/00	< 1.0	< 2.0	< 2.0	< 4.0
	11/17/00	< 0.50	< 0.50	< 0.50	< 1.00
	05/23/01	< 1.0	< 1.0	< 1.0	< 2.0
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/05	< 0.50	< 0.50	< 0.50	< 0.50
	07/10/06	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-18B	08/01/90	**1100**	14	< 1.0	220
	11/01/90	**1900**	< 100.0	< 100.0	320
	01/01/91	**1300**	< 25.0	< 25.0	170
	02/01/91	**970**	11	< 5.0	170
	03/01/91	**260**	1.8	< 0.50	23
	04/01/91	**1000**	< 1.0	< 1.0	78
	06/01/91	**680**	1.1	1.0	150
	07/01/91	**1500**	3.0	1.5	70
	10/01/91	**1200**	< 25.0	< 25.0	130
	01/08/92	**1100**	< 25.0	< 25.0	88
	05/01/92	**790**	2.7	< 0.5	36
	10/13/92	**820**	< 0.5	1.0	36
	04/22/93	**360**	< 0.5	0.5	2.6
	10/05/95	**87**	8.4	9.0	26
	11/17/95	**240**	24	22	53
	02/21/96	**290**	54	37	110
	05/21/96	**390**	56	1.3	50
	08/14/96	**400**	< 0.50	53	0.9
	11/21/96	**210**	5	48	< 0.50
	02/27/97	**9.4**	5.2	64	1.5
	05/22/97	< 0.50	4.7	88	0.8
	08/19/97	1.1	4.9	110	1.5
	11/17/97	0.9	6	140	1.1
	02/11/98	0.9	6.4	120	1.1
	06/10/98	< 0.50	6.2	64	< 0.50
	09/30/98	**5.6**	1.3	17	1.0
	04/28/99	2	< 1	< 1	2.0
	10/12/99	**17**	< 2	5	42
	05/12/00	**10**	< 2	12	14
	11/16/00	1.93	< 0.50	< 0.50	1.60
	05/24/01	2.92	< 1.0	< 1.0	< 2.0
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/20/02	0.55	< 0.50	0.72	0.89
	10/31/02	0.68	< 0.50	< 0.50	0.95
	05/22/03	< 0.50	5.9	< 0.50	2.5
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	< 0.50	< 0.50	0.91	1.2
	06/08/05	< 0.50	< 0.50	< 0.50	< 0.50
	07/10/06	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0
	05/18/10	< 1.0	< 1.0	< 1.0	< 2.0
	09/25/11	< 1.0	< 1.0	< 1.0	< 2.0
	06/12/12	< 1.0	< 1.0	< 1.0	< 2.0
	07/23/13	< 1.0	< 1.0	< 1.0	< 2.0
	04/21/14	< 1.0	< 1.0	< 1.0	< 2.0
	04/13/15	< 1.0	< 1.0	< 1.0	< 1.5
	04/21/16	< 1.0	< 1.0	< 1.0	< 1.5
	03/28/17	< 1.0	< 1.0	< 1.0	< 1.5

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-19B	08/01/90	**190**	3.5	5.8	44
	11/01/90	**180**	11	< 10.0	< 20.0
	01/01/91	**150**	< 0.30	0.60	15
	02/01/91	**200**	5.8	< 2.5	14
	03/01/91	**200**	30	180	880
	04/01/91	**290**	< 25.0	210	880
	05/01/91	**240**	< 0.50	0.71	21
	06/01/91	**290**	7.5	2.2	22
	07/01/91	**240**	< 0.50	0.58	14
	10/01/91	**140**	< 2.5	< 2.5	12
	01/08/92	**240**	< 5.0	< 5.0	9.0
	02/20/92	**150**	< 2.5	< 2.5	4.2
	03/19/92	**140**	< 0.5	< 0.50	5.9
	04/29/92	**190**	< 0.5	< 0.50	4.3
	10/13/92	**130**	< 0.5	< 0.50	4.4
	10/05/95	1.0	0.7	< 0.50	< 0.50
	11/20/95	< 0.50	< 0.50	< 0.50	< 0.50
	02/21/96	0.9	0.8	< 0.50	< 0.50
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50
	08/14/96	0.7	0.6	< 0.50	< 0.50
	11/21/96	0.9	0.6	< 0.50	< 0.50
	02/27/97	1.3	1	< 0.50	0.7
	05/21/97	1.2	1	< 0.50	< 0.50
	08/20/97	1.7	1.3	0.6	< 0.50
	11/17/97	2.5	2.0	0.9	0.7
	02/11/98	2.3	1.8	0.8	0.7
	06/10/98	1.5	1.4	1.5	0.6
	10/01/98	**7.4**	3.9	1.6	2.9
	04/28/99	**43**	< 1.0	1	3
	10/12/99	**13**	< 2.0	< 2.0	< 4.0
	05/12/00	**16**	< 2.0	3.0	4.0
	11/17/00	1.03	< 0.50	1.88	< 1.0
	05/24/01	< 1.0	< 1.0	1.17	< 2.0
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50
	11/18/14	Plugged and Abandoned			

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-20B	08/01/90	**58**	8.0	< 1.0	51
	11/01/90	**180**	< 5.0	< 5.0	12
	01/01/91	**93**	14	< 1.0	23
	02/01/91	**280**	14	< 10	46
	02/01/91	**110**	< 5.0	< 5.0	< 5.0
	03/01/91	**200**	< 5.0	< 5.0	< 10
	04/01/91	**180**	< 1.0	< 1.0	19
	05/01/91	**160**	< 5.0	< 5.0	32
	06/01/91	**300**	1.1	< 0.50	15
	07/01/91	**73**	1.1	1.0	24
	10/01/91	**57**	2.2	< 1.2	11
	01/08/92	**31**	< 1.2	< 1.2	6.7
	05/01/92	**55**	3.9	4.9	6.2
	10/12/92	**52**	2.7	4.4	11
	04/21/93	**14**	< 0.50	6.1	10
	10/05/95	3.2	0.7	3.5	< 0.50
	11/17/95	**12**	2.3	< 0.50	2.6
	02/21/96	2.8	1.7	2.7	2.3
	05/21/96	1.7	1.3	0.8	< 0.50
	08/14/96	**8.1**	0.7	0.8	1.5
	11/20/96	**7.2**	0.9	1.4	< 0.50
	02/27/97	**12**	1.3	1.8	3.3
	05/22/97	2.0	0.7	0.8	0.5
	08/19/97	**10**	1.0	1.9	1.4
	11/18/97	4.3	0.8	1.1	1.1
	02/11/98	< 0.5	1.3	2.3	0.5
	06/09/98	**15**	0.8	0.7	< 0.50
	10/01/98	1.5	1.4	1.5	1.3
	04/28/99	< 1.0	< 1.0	1.0	< 1.0
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0
	05/12/00	1.0	2.0	2.0	4.0
	11/16/00	0.961	< 0.50	0.763	< 1.0
	05/24/01	3.28	< 1.0	< 1.0	< 2.0
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/19/02	0.86	< 0.50	< 0.50	< 0.50
	10/31/02	0.76	0.70	< 0.50	< 0.50
	05/22/03	1.0	0.91	< 0.50	< 0.50
	11/11/03	0.5	< 0.50	< 0.50	< 0.50
	06/08/04	1.1	< 0.50	< 0.50	< 0.50
	06/08/05	1.0	0.53	< 0.50	< 0.50
	07/12/06	1.3	< 1.0	< 1.0	< 3.0
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0
	05/18/10	< 1.0	< 1.0	< 1.0	< 2.0
	09/25/11	< 1.0	< 1.0	< 1.0	< 2.0
	06/12/12	< 1.0	< 1.0	< 1.0	< 2.0
	07/23/13	< 1.0	< 1.0	< 1.0	< 2.0
	04/21/14	< 1.0	< 1.0	< 1.0	< 2.0
	04/13/15	< 1.0	< 1.0	< 1.0	< 1.5
	04/21/16	< 1.0	< 1.0	< 1.0	< 1.5
	03/28/17	< 1.0	< 1.0	< 1.0	< 1.5

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-22B	10/01/90	< 1.0	< 1.0	< 1.0	< 1.0
	01/01/91	< 0.50	< 0.50	< 0.50	< 0.50
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	06/01/91	1.9	5.5	13	58
	07/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	09/01/91	< 0.50	< 0.50	< 0.50	< 1.0
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50
	11/01/91	< 0.50	< 0.50	< 0.50	< 0.50
	12/01/91	< 0.50	< 0.50	< 0.50	< 0.50
	01/10/92	< 0.50	< 0.50	< 0.50	< 0.50
	01/28/92	< 0.50	< 0.50	< 0.50	< 0.50
	02/19/92	< 0.50	< 0.50	< 0.50	< 0.50
	03/18/92	< 0.50	< 0.50	< 0.50	< 0.50
	04/28/92	< 0.50	< 0.50	< 0.50	< 0.50
	10/08/92	< 0.50	< 0.50	< 0.50	< 0.50
	12/12/94	< 0.50	< 0.50	< 0.50	< 0.50
	06/26/95	< 0.50	< 0.50	< 0.50	< 0.50
	10/03/95	< 0.50	< 0.50	< 0.50	< 0.50
	11/15/95	< 0.50	< 0.50	< 0.50	< 0.50
	02/21/96	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50
	08/12/96	< 0.50	< 0.50	< 0.50	< 0.50
	11/18/96	< 0.50	< 0.50	< 0.50	1.9
	02/27/97	**5.6**	9.3	< 0.50	65
	05/22/97	3.6	< 0.50	< 0.50	7.1
	08/20/97	3.2	7.3	< 0.50	5.3
	11/18/97	3.8	2.3	< 0.50	0.6
	11/26/14	Plugged and Abandoned			

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-23B	10/01/90	**5.3**	< 1.0	< 1.0	< 1.0
	11/01/90	**5.1**	< 0.50	< 0.50	< 1.0
	01/01/91	3.0	< 0.50	< 0.50	< 0.60
	02/01/91	**6.6**	< 0.50	< 0.50	< 1.0
	03/01/91	**8.5**	< 0.50	< 0.50	1.2
	04/01/91	**5.0**	< 0.50	< 0.50	< 1.0
	05/01/91	**120**	< 0.50	< 0.50	7.5
	06/01/91	3.8	0.55	< 0.50	5.7
	07/01/91	2.0	< 0.50	< 0.50	1.3
	09/01/91	2.1	< 0.50	< 0.50	1.1
	10/01/91	1.6	< 0.50	< 0.50	< 0.50
	11/01/91	0.59	< 0.50	< 0.50	< 0.50
	12/01/91	< 0.50	< 0.50	< 0.50	< 0.50
	01/07/92	0.65	< 0.50	< 0.50	< 0.50
	02/18/92	< 0.50	< 0.50	< 0.50	< 0.50
	03/17/92	< 0.50	< 0.50	< 0.50	< 0.50
	04/30/92	< 0.50	< 0.50	< 0.50	< 0.50
	10/09/92	< 0.50	< 0.50	< 0.50	< 0.50
	10/04/95	< 0.50	< 0.50	< 0.50	< 0.50
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/96	< 0.50	< 0.50	< 0.50	< 0.50
	08/13/96	< 0.50	< 0.50	< 0.50	< 0.50
	11/19/96	< 0.50	< 0.50	< 0.50	< 0.50
	02/26/97	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/97	< 0.50	< 0.50	< 0.50	< 0.50
	08/19/97	< 0.50	< 0.50	< 0.50	< 0.50
	11/17/97	< 0.50	< 0.50	< 0.50	< 0.50
	02/10/98	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/98	< 0.50	< 0.50	< 0.50	< 0.50
	09/29/98	< 0.50	< 0.50	< 0.50	< 0.50
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0
	05/23/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/03	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50
	11/17/14	Plugged and Abandoned			

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-24B	10/01/90	**63**	< 1.0	2.0	1.6
	11/01/90	**100**	< 5.0	< 5.0	< 10.0
	01/01/91	**40**	0.55	0.74	< 1.0
	02/01/91	**150**	16	< 5.0	21
	03/01/91	**89**	9.8	< 0.50	3.5
	04/01/91	**230**	< 1.0	< 1.0	6.3
	05/01/91	4.3	< 0.50	< 0.50	1.3
	06/01/91	**280**	0.86	0.64	13
	07/01/91	**130**	< 0.50	< 0.50	8.7
	09/01/91	**250**	0.54	< 0.50	12
	10/01/91	**140**	< 2.5	< 2.5	< 2.5
	11/01/91	**180**	< 5.0	< 5.0	< 5.0
	12/01/91	**180**	< 5.0	< 5.0	< 5.0
	01/07/92	**120**	< 2.5	< 2.5	< 2.5
	02/18/92	**140**	< 2.5	< 2.5	< 2.5
	03/17/92	**120**	< 2.5	0.8	1.4
	04/30/92	**100**	2.1	1.4	2.2
	10/13/92	1.2	< 0.50	0.8	0.8
	04/21/93	< 0.5	< 0.50	0.7	1.4
	10/03/95	< 0.5	< 0.50	1.0	1.0
	11/17/95	1.2	0.8	0.5	1.0
	02/20/96	1.3	1.0	0.7	2.0
	05/21/96	< 0.5	0.9	< 0.5	0.7
	08/13/96	1.2	0.6	0.7	1.3
	11/19/96	0.9	< 0.50	0.6	0.8
	02/26/97	0.9	0.6	1	1.8
	05/21/97	0.7	< 0.50	1	1.6
	08/19/97	1.2	0.5	0.9	< 5.00
	11/18/97	0.6	< 0.50	0.7	1.3
	02/10/98	0.5	< 0.50	0.7	< 0.50
	06/09/98	< 0.50	< 0.50	< 0.50	< 0.50
	09/29/98	< 0.50	0.6	< 0.50	< 0.50
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/99	< 1.0	< 2.0	< 2.0	< 4.0
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0
	11/16/00	< 0.50	< 0.50	< 0.50	< 1.00
	05/23/01	< 1.0	< 1.0	< 1.0	< 2.0
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/19/02	< 0.50	< 0.50	< 0.50	0.59
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/03	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50
	11/17/14	Plugged and Abandoned			

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-34B	01/07/92	**120**	< 2.5	< 2.5	< 2.5
	02/18/92	**140**	< 2.5	< 2.5	< 2.5
	03/17/92	**120**	< 0.50	0.8	1.4
	04/30/92	**100**	2.1	1.4	2.2
	10/13/92	1.2	< 0.50	0.8	0.8
	04/21/93	< 0.50	< 0.50	0.7	1.4
	12/13/94	**4700**	**13000**	460	5900
5-35B	04/22/93	**360**	**1400**	130	1700
	05/18/10	**5700**	< 100.0	310	1900
	09/25/11	**3700**	< 100.0	170	900
	06/12/12	**4000**	< 100.0	190	1200
	07/23/13	**4100**	< 100.0	180	1200
	04/22/14	**2500**	< 20.0	110	830
	04/13/15	**980**	< 50.0	61	480
	04/21/16	**2100**	< 100	90	780
	03/28/17	**1800**	< 50	< 50	490
	6/20/2017	**1300**	< 20	28	250
	9/22/2017	**1300**	8.7	25	250
5-36E	12/14/94	**620**	**2700**	230	3300
5-37I	02/22/96	**640**	520	24	990
	04/16/96	**580**	300	22	600
	05/21/96	**590**	19	340	600
	07/03/96	**1100**	600	31	880
	08/15/96	**310**	54	14	430
	11/22/96	**440**	140	20	520
5-41B	10/09/92	**47**	3.9	0.7	1.0
	04/20/93	1.4	< 0.50	2.5	2.1
	10/04/95	< 0.50	< 0.50	< 0.50	< 0.50
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50
	02/19/96	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50
	08/13/96	< 0.50	< 0.50	< 0.50	< 0.50
	11/19/96	< 0.50	< 0.50	< 0.50	< 0.50
	02/25/97	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/97	< 0.50	< 0.50	< 0.50	< 0.50
	08/18/97	< 0.50	< 0.50	< 0.50	< 0.50
	11/26/14	Plugged and Abandoned			
5-47B	10/07/92	1.0	< 0.50	< 0.50	< 0.50
	04/20/93	2.9	< 0.50	< 0.50	< 0.50
	10/04/95	**7.2**	2.0	0.6	4.6
	11/15/95	< 0.50	< 0.50	< 0.50	< 0.50
	02/19/96	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50
	08/13/96	< 0.50	< 0.50	< 0.50	< 0.50
	11/19/96	< 0.50	< 0.50	< 0.50	< 0.50
	02/26/97	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/97	< 0.50	< 0.50	< 0.50	< 0.50
	08/18/97	< 0.50	< 0.50	< 0.50	< 0.50
	Plugged and Abandoned				

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-48B	10/12/92	**380**	**1100**	84	840
	04/21/93	**99**	390	34	360
	10/05/95	**550**	940	290	1900
	11/20/95	**820**	**1700**	390	2600
	02/21/96	**690**	**1100**	550	3300
	04/16/96	**600**	**1700**	420	3100
	05/21/96	**620**	480	**3600**	3600
	07/03/96	**670**	**5100**	410	3500
	08/14/96	**770**	**7600**	340	3900
	11/21/96	**960**	**8500**	330	3900
	02/27/97	**1100**	**10000**	430	4700
	05/22/97	**1100**	**8000**	450	4400
	08/20/97	**1200**	**7000**	440	4200
	11/19/97	**1400**	**6900**	330	3900
	12/09/97	**1800**	**7700**	430	4700
	01/08/98	**1600**	**7600**	440	4100
	02/11/98	**2100**	**8000**	460	4600
	06/11/98	**2100**	**8000**	200	3800
	10/01/98	**2100**	**6100**	420	4300
	04/28/99	**1700**	**4400**	140	3100
	10/12/99	**1000**	**1900**	320	2900
	05/12/00	**1400**	680	270	2200
	11/17/00	**860**	157	259	2360
	05/22/01	**683**	194	28.8	1703
	11/18/01	**841**	24.3	241	1893
	04/20/02	**1100**	23	190	1700
	10/30/02	**5600**	51	350	3100
	05/21/03	**2100**	< 50.0	320	2700
	11/11/03	**4100**	< 25.0	520	4700
	06/07/04	**3400**	38	420	3200
	06/09/05	**2500**	< 25.0	200	1500
5-57B	04/19/93	< 0.50	< 0.50	< 0.50	< 0.50
	10/04/95	< 0.50	< 0.50	< 0.50	< 0.50
	11/15/95	< 0.50	< 0.50	< 0.50	< 0.50
	02/19/96	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50
	08/12/96	< 0.50	< 0.50	< 0.50	< 0.50
	11/08/96	< 0.50	< 0.50	< 0.50	< 0.50
	02/25/97	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/97	< 0.50	< 0.50	< 0.50	< 0.50
	08/18/97	< 0.50	< 0.50	< 0.50	< 0.50
	Plugged and Abandoned				

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
5-58B	04/19/93	< 0.50	< 0.50	< 0.50	< 0.50
	10/04/95	< 0.50	< 0.50	< 0.50	< 0.50
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50
	02/19/96	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50
	08/12/96	< 0.50	< 0.50	< 0.50	< 0.50
	11/18/96	< 0.50	< 0.50	< 0.50	< 0.50
	02/25/97	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/97	< 0.50	< 0.50	< 0.50	< 0.50
	08/18/97	< 0.50	< 0.50	< 0.50	< 0.50
	Plugged and Abandoned				
5-59	07/28/01	< 1.0	< 1.0	< 1.0	< 2.0
	11/19/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/20/02	< 0.50	< 0.50	< 0.50	< 0.50
	10/30/02	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/03	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50
	06/09/05	< 0.50	< 0.50	< 0.50	< 0.50
	07/11/06	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0
	05/18/10	< 1.0	< 1.0	< 1.0	< 2.0
	09/25/11	< 1.0	< 1.0	< 1.0	< 2.0
	06/12/12	< 1.0	< 1.0	< 1.0	< 2.0
	07/23/13	< 1.0	< 1.0	< 1.0	< 2.0
	04/22/14	< 1.0	< 1.0	< 1.0	< 5.9
	04/13/15	< 1.0	< 1.0	< 1.0	< 1.5
	04/21/16	< 1.0	< 1.0	< 1.0	< 1.5
	03/28/17	< 1.0	< 1.0	< 1.0	< 1.5
5-60	11/18/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/20/02	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/03	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50
	06/09/05	< 0.50	< 0.50	< 0.50	< 0.50
	07/11/06	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0
SVE-1	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0
	11/16/00	< 0.50	< 0.50	< 0.50	< 1.0
	11/18/01	< 1.0	< 1.0	< 1.0	< 2.0
	04/18/02	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50
	11/18/14	Plugged and Abandoned			

Table 3

Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
SVE-3	05/18/10	**6300**	< 50.0	430	3900
	09/25/11	**6300**	< 100.0	380	3300
	06/12/12	**5400**	< 100.0	240	3500
	07/23/13	**6200**	< 100.0	280	2700
	04/22/14	**6800**	< 50.0	280	1900
	04/13/15	**5600**	< 100.0	250	1400
	04/21/16	**4200**	< 10	220	830
	03/28/17	**4300**	< 20	160	2900
	6/20/17	**5700**	< 20	270	4600
	9/22/17	**3400**	< 8	120	2200

Notes:

ug/L = micrograms per liter
NNEPA = Navajo Nation Environmental Protection Agency
NA = Not Analyzed
< x = concentration below laboratory detection limit of x
-- = not applicable
Bold = exceeds NNEPA standard
LNAPL = light non-aqueous phase liquid

Table 4

Summary of Analytical Results for PCBs
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	PCB Concentration by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
NNEPA Standard		**0.5**						
5-01B	8/1/1989	**2.1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1989	< 1.0	< 1.0	< 1.0	**2.0**	< 1.0	< 1.0	< 1.0
	3/1/1990	< 1.0	**94**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1990	< 1.0	< 1.0	< 1.0	**11**	< 1.0	< 1.0	< 1.0
	8/1/1990	< 1.0	< 1.0	< 1.0	**2.0**	< 1.0	< 1.0	< 1.0
	11/1/1990	< 1.0	< 1.0	< 1.0	**5.5**	< 1.0	< 1.0	< 1.0
	1/1/1991	< 1.0	< 1.0	< 1.0	**28**	< 1.0	< 1.0	< 1.0
	2/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/1/1991	< 1.0	**210**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/1/1991	< 1.0	**76**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/9/1992	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/27/1992	< 1.0	**67**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/20/1992	< 1.0	**82**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/18/1992	< 1.0	**54**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/29/1992	< 1.0	**71**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/1992	< 1.0	**82**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/13/1994	**4.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/27/1995	< 1.0	< 1.0	< 1.0	**4.18**	< 1.0	< 1.0	< 1.0
	10/6/1995	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/21/1995	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/22/1996	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/17/1996	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/17/1996	< 1.0	**0.93**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/24/1996	< 1.0	**34**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/15/1996	< 1.0	**14.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/22/1996	< 1.0	**15.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/28/1997	< 1.0	**15.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/22/1997	< 1.0	**11.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/21/1997	< 1.0	**18.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Plugged and Abandoned							

Table 4

Summary of Analytical Results for PCBs
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	PCB Concentration by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
NNEPA Standard		**0.5**						
5-01C	11/23/1997	< 1.0	**79.7**	< 1.0	**49.0**	< 1.0	< 1.0	< 1.0
	1/8/1998	< 1.0	**38**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/1998	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/11/1998	< 1.0	**38**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/2/1998	< 1.0	**10**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/29/1999	**3.8**	**9.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/1999	**4.9**	**3.5**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/12/2000	**2.7**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/2000	< 0.5	< 1.0	< 0.5	**1.9**	< 0.5	< 0.5	< 0.5
	5/22/2001	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/2001	--	< 0.5	< 0.5	**13.5**	< 0.5	< 0.5	< 0.5
	4/20/2002	< 0.5	**1.37**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/30/2002	**1.5**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/21/2003	--	**2.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/10/2003	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/7/2004	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2005	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/23/2008	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
5-06B	10/1/1989	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1989	< 1.0	**180**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/1/1990	< 1.0	**100**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/1/1990	< 1.0	**170**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1990	< 1.0	< 1.0	< 1.0	**39**	< 1.0	< 1.0	< 1.0
	8/1/1990	< 1.0	< 1.0	< 1.0	**1.1**	< 1.0	< 1.0	< 1.0
	11/1/1990	< 1.0	< 1.0	< 1.0	**65**	< 1.0	< 1.0	< 1.0
	1/1/1991	< 1.0	< 1.0	< 1.0	**39**	< 1.0	< 1.0	< 1.0
	2/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/1991	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/1/1991	< 1.0	**250**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/1/1991	< 1.0	**140**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/1/1991	< 1.0	**210**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1991	< 1.0	**270**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/9/1992	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/27/1992	< 1.0	**190**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/20/1992	< 1.0	**200**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/18/1992	< 1.0	**140**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/29/1992	< 1.0	**150**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/1992	< 1.0	**280**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/14/1994	**88**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/27/1995	< 1.0	< 1.0	< 1.0	**26.3**	< 1.0	< 1.0	< 1.0
	10/6/1995	< 1.0	< 1.0	< 1.0	**30.1**	< 1.0	< 1.0	< 1.0
	11/21/1995	< 1.0	< 1.0	< 1.0	**44.4**	< 1.0	< 1.0	< 1.0
	2/22/1996	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/17/1996	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/23/1996	< 1.0	**78**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/15/1996	< 1.0	**166.7**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/15/1996	< 1.0	**260**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/22/1996	< 1.0	**42.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/28/1997	< 1.0	**48.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/22/1997	< 1.0	**7.29**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/20/1997	< 1.0	**16.5**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Plugged and Abandoned							

Table 4

Summary of Analytical Results for PCBs
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	PCB Concentration by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
NNEPA Standard		0.5						
5-06C	11/23/1997	< 0.5	**160**	< 0.5	**114**	< 0.5	< 0.5	< 0.5
	12/9/1997	< 0.5	< 0.5	**65**	< 0.5	< 0.5	< 0.5	< 0.5
	1/8/1998	< 0.5	**220**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	2/12/1998	< 0.5	**320**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/11/1998	< 0.5	**180**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/2/1998	< 0.5	**29**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	4/29/1999	**7.1**	**320**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/14/1999	**14**	**300**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	5/13/2000	**7.2**	< 0.5	< 0.5	**266**	< 0.5	< 0.5	< 0.5
	5/13/2000	**6.6**	< 0.5	< 0.5	**263**	< 0.5	< 0.5	< 0.5
	11/17/2000	< 0.5	< 1.0	< 0.5	**5.23**	< 0.5	< 0.5	< 0.5
	11/17/2000	**4.45**	< 0.5	< 0.5	**5.17**	< 0.5	< 0.5	< 0.5
	5/22/2001	--	< 0.5	< 0.5	**3.1**	< 0.5	< 0.5	< 0.5
	5/22/2001	--	< 0.5	< 0.5	**5.81**	< 0.5	< 0.5	< 0.5
	11/18/2001	--	< 0.5	< 0.5	**43.7**	< 0.5	< 0.5	< 0.5
	11/18/2001	--	< 0.5	< 0.5	**40.5**	< 0.5	< 0.5	< 0.5
	4/20/2002	< 10.0	**150**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	4/20/2002	< 10.0	**168**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	10/30/2002	--	**41**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/21/2003	--	**5.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/10/2003	**1.7**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/7/2004	**2.8**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	**2.2**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	**1.5**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	< 1.0	< 5.0	< 1.0	< 1.0	**1.1**	< 1.0	< 1.0
	7/25/2007	< 1.0	< 5.0	< 1.0	< 1.0	**1.1**	< 1.0	< 1.0
	9/23/2008	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/23/2008	**1.3**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	**1.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	**1.7**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/18/2010	**4.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/18/2010	**2.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/25/2011	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/25/2011	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/12/2012	< 1.0	< 1.0	< 1.0	**3.1**	< 1.0	< 1.0	< 1.0
	6/12/2012	< 1.0	< 1.0	< 1.0	**4.0**	< 1.0	< 1.0	< 1.0
	7/10/2012	< 1.0	< 1.0	< 1.0	**1.2**	< 1.0	< 1.0	< 1.0
	7/23/2013	< 1.0	< 1.0	< 1.0	**1.2**	< 1.0	< 1.0	< 1.0
	4/22/2014	< 0.25	< 0.25	< 0.25	**1.4**	< 0.25	< 0.25	< 0.25
	4/13/2015	< 0.25	< 0.25	< 0.25	**1.5**	< 0.25	< 0.25	< 0.25
	4/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/28/2017	**1.2**	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
5-17B	5/12/2000	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/2000	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	5/23/2001	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/2001	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	4/19/2002	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/31/2002	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/22/2003	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/2003	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2005	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/10/2006	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/23/2008	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 4

Summary of Analytical Results for PCBs
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Date	PCB Concentration by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
NNEPA Standard		0.5						
5-59	7/28/2001	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/2001	--	< 0.5	< 0.5	**30.7**	< 0.5	< 0.5	< 0.5
	4/20/2002	< 10.0	**78.6**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	10/30/2002	--	**19**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/30/2002	--	**19**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/21/2003	--	**14**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/21/2003	--	**14**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/2003	**11**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/2003	**9.7**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	**10**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	**11**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	**4.6**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	**3.3**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	**3.4**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	**3.3**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	**1.8**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/23/2008	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/18/2010	**1.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/25/2011	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/12/2012	< 1.0	< 1.0	< 1.0	**2.6**	< 1.0	< 1.0	< 1.0
	7/10/2012	< 1.0	< 1.0	< 1.0	**1.0**	< 1.0	< 1.0	< 1.0
	7/23/2013	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/22/2014	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	4/13/2015	< 0.25	< 0.25	< 0.25	**0.6**	< 0.25	< 0.25	< 0.25
	4/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/28/2017	**7.8**	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
5-60	11/18/2001	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	4/20/2002	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/31/2002	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/22/2003	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/2003	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/23/2008	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Notes:

PCB = polychlorinated biphenols
NNEPA = Navajo Nation Environmental Protection Agency
-- = not applicable
Bold = exceeds NNEPA standard

Table 5

Summary of Analytical Results for ISCO Monitoring
Thoreau Compressor Station No. 5
McKinley County, New Mexico

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate (mg/L)	Dissolved Iron (mg/L)	Total Iron (mg/L)
SVE-3	4/21/2016	**4200**	< 10	220	830	< 2.5	3.2	40
	3/28/2017	**4300**	< 20	160	2900	< 0.50	0.43	--
	6/20/2017	**5700**	< 20	270	4600	0.67	4.1	19
	9/22/2017	**3400**	< 8.0	120	2200	< 2.5	3.6	13
5-35B	4/21/2016	**2100**	< 100	90	780	7.3	8.5	36
	3/28/2017	**1800**	< 50	< 50	490	3.4	2.1	--
	6/20/2017	**1300**	< 20	28	250	5.2	3.2	22
	9/22/2017	**1300**	8.7	25	250	2.9	8.2	28
NNEPA Standard		**5**	**1000**	**700**	**10000**	**NE**	**NE**	**NE**

Notes:

NNEPA = Navajo Nation Environmental Protection Agency
mg/L = milligrams per liter
< 2.5 = Below Laboratory Detection Limit of 2.5 mg/L
BOLD = Concentrations that exceed the NNEPA groundwater quality standard

Appendices

Appendix A
2017 Groundwater Laboratory Analytical Results

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 12, 2017

Bernie Bockish

GHD
6121 Indian School Road, NE #200
Albuquerque, NM 87110
TEL: (505) 884-0672
FAX

RE: Thoreau OrderNo.: 1703F42

Dear Bernie Bockish:

Hall Environmental Analysis Laboratory received 6 sample(s) on 3/30/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086242-032817-CN-5-6C
Project: Thoreau
Collection Date: 3/28/2017 7:40:00 AM
Lab ID: 1703F42-001
Matrix: AQUEOUS
Received Date: 3/30/2017 3:40:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	1.2	0.25		µg/L	1	4/10/2017 7:31:00 AM	31031
Aroclor 1221	ND	0.25		µg/L	1	4/10/2017 7:31:00 AM	31031
Aroclor 1232	ND	0.25		µg/L	1	4/10/2017 7:31:00 AM	31031
Aroclor 1242	ND	0.25		µg/L	1	4/10/2017 7:31:00 AM	31031
Aroclor 1248	ND	0.25		µg/L	1	4/10/2017 7:31:00 AM	31031
Aroclor 1254	ND	0.25		µg/L	1	4/10/2017 7:31:00 AM	31031
Aroclor 1260	ND	0.25		µg/L	1	4/10/2017 7:31:00 AM	31031
Surr: Decachlorobiphenyl	92.8	26.1-140		%Rec	1	4/10/2017 7:31:00 AM	31031
Surr: Tetrachloro-m-xylene	99.6	15-123		%Rec	1	4/10/2017 7:31:00 AM	31031
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	4/4/2017 10:08:13 AM	R41890
Toluene	ND	1.0		µg/L	1	4/4/2017 10:08:13 AM	R41890
Ethylbenzene	ND	1.0		µg/L	1	4/4/2017 10:08:13 AM	R41890
Xylenes, Total	ND	1.5		µg/L	1	4/4/2017 10:08:13 AM	R41890
Surr: 1,2-Dichloroethane-d4	90.7	70-130		%Rec	1	4/4/2017 10:08:13 AM	R41890
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	4/4/2017 10:08:13 AM	R41890
Surr: Dibromofluoromethane	99.3	70-130		%Rec	1	4/4/2017 10:08:13 AM	R41890
Surr: Toluene-d8	92.7	70-130		%Rec	1	4/4/2017 10:08:13 AM	R41890

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086242-032817-CN-5-59
Project: Thoreau
Collection Date: 3/28/2017 8:07:00 AM
Lab ID: 1703F42-002
Matrix: AQUEOUS
Received Date: 3/30/2017 3:40:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	7.8	0.25		µg/L	1	4/10/2017 8:04:00 AM	31031
Aroclor 1221	ND	0.25		µg/L	1	4/10/2017 8:04:00 AM	31031
Aroclor 1232	ND	0.25		µg/L	1	4/10/2017 8:04:00 AM	31031
Aroclor 1242	ND	0.25		µg/L	1	4/10/2017 8:04:00 AM	31031
Aroclor 1248	ND	0.25		µg/L	1	4/10/2017 8:04:00 AM	31031
Aroclor 1254	ND	0.25		µg/L	1	4/10/2017 8:04:00 AM	31031
Aroclor 1260	ND	0.25		µg/L	1	4/10/2017 8:04:00 AM	31031
Surr: Decachlorobiphenyl	94.8	26.1-140		%Rec	1	4/10/2017 8:04:00 AM	31031
Surr: Tetrachloro-m-xylene	104	15-123		%Rec	1	4/10/2017 8:04:00 AM	31031
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	4/4/2017 10:37:11 AM	R41890
Toluene	ND	1.0		µg/L	1	4/4/2017 10:37:11 AM	R41890
Ethylbenzene	ND	1.0		µg/L	1	4/4/2017 10:37:11 AM	R41890
Xylenes, Total	ND	1.5		µg/L	1	4/4/2017 10:37:11 AM	R41890
Surr: 1,2-Dichloroethane-d4	90.2	70-130		%Rec	1	4/4/2017 10:37:11 AM	R41890
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	4/4/2017 10:37:11 AM	R41890
Surr: Dibromofluoromethane	98.8	70-130		%Rec	1	4/4/2017 10:37:11 AM	R41890
Surr: Toluene-d8	96.3	70-130		%Rec	1	4/4/2017 10:37:11 AM	R41890

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086242-032817-CN-5-35B
Project: Thoreau
Collection Date: 3/28/2017 10:30:00 AM
Lab ID: 1703F42-003
Matrix: AQUEOUS
Received Date: 3/30/2017 3:40:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	3.4	2.5		mg/L	5	4/4/2017 9:48:35 PM	R41868
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **JLF**	
Iron	2.1	0.10		mg/L	5	4/6/2017 2:48:30 PM	A41942
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**	
Benzene	1800	50		µg/L	50	4/4/2017 11:06:12 AM	R41890
Toluene	ND	50		µg/L	50	4/4/2017 11:06:12 AM	R41890
Ethylbenzene	ND	50		µg/L	50	4/4/2017 11:06:12 AM	R41890
Xylenes, Total	490	75		µg/L	50	4/4/2017 11:06:12 AM	R41890
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	50	4/4/2017 11:06:12 AM	R41890
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	50	4/4/2017 11:06:12 AM	R41890
Surr: Dibromofluoromethane	102	70-130		%Rec	50	4/4/2017 11:06:12 AM	R41890
Surr: Toluene-d8	93.2	70-130		%Rec	50	4/4/2017 11:06:12 AM	R41890

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086242-032817-CN-SVE3
Project: Thoreau
Collection Date: 3/28/2017 11:14:00 AM
Lab ID: 1703F42-004
Matrix: AQUEOUS
Received Date: 3/30/2017 3:40:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	ND	0.50		mg/L	1	4/4/2017 10:38:14 PM	R41868
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **JLF**	
Iron	0.43	0.020		mg/L	1	4/6/2017 2:31:06 PM	A41942
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**	
Benzene	4300	200		µg/L	200	4/4/2017 11:35:22 AM	R41890
Toluene	ND	20		µg/L	20	4/4/2017 12:04:27 PM	R41890
Ethylbenzene	160	20		µg/L	20	4/4/2017 12:04:27 PM	R41890
Xylenes, Total	2900	30		µg/L	20	4/4/2017 12:04:27 PM	R41890
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	20	4/4/2017 12:04:27 PM	R41890
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	20	4/4/2017 12:04:27 PM	R41890
Surr: Dibromofluoromethane	96.5	70-130		%Rec	20	4/4/2017 12:04:27 PM	R41890
Surr: Toluene-d8	94.7	70-130		%Rec	20	4/4/2017 12:04:27 PM	R41890

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086242-032817-CN-5-18B
Project: Thoreau
Collection Date: 3/28/2017 11:38:00 AM
Lab ID: 1703F42-005
Matrix: AQUEOUS
Received Date: 3/30/2017 3:40:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	4/4/2017 12:33:32 PM	R41890
Toluene	ND	1.0		µg/L	1	4/4/2017 12:33:32 PM	R41890
Ethylbenzene	ND	1.0		µg/L	1	4/4/2017 12:33:32 PM	R41890
Xylenes, Total	ND	1.5		µg/L	1	4/4/2017 12:33:32 PM	R41890
Surr: 1,2-Dichloroethane-d4	93.9	70-130		%Rec	1	4/4/2017 12:33:32 PM	R41890
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	4/4/2017 12:33:32 PM	R41890
Surr: Dibromofluoromethane	101	70-130		%Rec	1	4/4/2017 12:33:32 PM	R41890
Surr: Toluene-d8	99.9	70-130		%Rec	1	4/4/2017 12:33:32 PM	R41890

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
R	RPD outside accepted recovery limits
RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix
W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: GW-086242-032817-CN-5-20B
Project: Thoreau
Collection Date: 3/28/2017 12:10:00 PM
Lab ID: 1703F42-006
Matrix: AQUEOUS
Received Date: 3/30/2017 3:40:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**	
Benzene	ND	1.0		µg/L	1	4/4/2017 1:02:44 PM	R41890
Toluene	ND	1.0		µg/L	1	4/4/2017 1:02:44 PM	R41890
Ethylbenzene	ND	1.0		µg/L	1	4/4/2017 1:02:44 PM	R41890
Xylenes, Total	ND	1.5		µg/L	1	4/4/2017 1:02:44 PM	R41890
Surr: 1,2-Dichloroethane-d4	86.0	70-130		%Rec	1	4/4/2017 1:02:44 PM	R41890
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	4/4/2017 1:02:44 PM	R41890
Surr: Dibromofluoromethane	98.1	70-130		%Rec	1	4/4/2017 1:02:44 PM	R41890
Surr: Toluene-d8	96.3	70-130		%Rec	1	4/4/2017 1:02:44 PM	R41890

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1703F42**

12-Apr-17

Client: GHD

Project: Thoreau

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R41868**	RunNo:	**41868**					
Prep Date:		Analysis Date:	**4/4/2017**	SeqNo:	**1315703**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID	**LCS**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSW**	Batch ID:	**R41868**	RunNo:	**41868**					
Prep Date:		Analysis Date:	**4/4/2017**	SeqNo:	**1315704**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.6	0.50	10.00	0	96.2	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1703F42**

12-Apr-17

Client: GHD

Project: Thoreau

Sample ID **MB-31031**	SampType: **MBLK**	TestCode: **EPA Method 8082: PCB's**
Client ID: **PBW**	Batch ID: **31031**	RunNo: **41982**
Prep Date: **4/3/2017**	Analysis Date: **4/7/2017**	SeqNo: **1318305** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.25								
Aroclor 1221	ND	0.25								
Aroclor 1232	ND	0.25								
Aroclor 1242	ND	0.25								
Aroclor 1248	ND	0.25								
Aroclor 1254	ND	0.25								
Aroclor 1260	ND	0.25								
Surr: Decachlorobiphenyl	2.5		2.500		101	26.1	140			
Surr: Tetrachloro-m-xylene	2.8		2.500		112	15	123			

Sample ID **LCS-31031**	SampType: **LCS**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSW**	Batch ID: **31031**	RunNo: **41982**
Prep Date: **4/3/2017**	Analysis Date: **4/7/2017**	SeqNo: **1318306** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.7	0.25	5.000	0	73.2	34.2	145			
Aroclor 1260	4.3	0.25	5.000	0	85.4	37.1	148			
Surr: Decachlorobiphenyl	2.1		2.500		85.6	26.1	140			
Surr: Tetrachloro-m-xylene	2.2		2.500		87.6	15	123			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1703F42**

12-Apr-17

Client: GHD

Project: Thoreau

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **R41890**	RunNo: **41890**
Prep Date:	Analysis Date: **4/4/2017**	SeqNo: **1315385** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.4		10.00		93.6	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		112	70	130			
Surr: Dibromofluoromethane	9.8		10.00		97.9	70	130			
Surr: Toluene-d8	9.7		10.00		96.9	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **R41890**	RunNo: **41890**
Prep Date:	Analysis Date: **4/4/2017**	SeqNo: **1315386** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	101	70	130			
Toluene	18	1.0	20.00	0	90.4	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		96.8	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		111	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.2	70	130			
Surr: Toluene-d8	9.3		10.00		93.1	70	130			

Sample ID **1703f42-001ams**	SampType: **MS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **GW-086242-032817-**	Batch ID: **R41890**	RunNo: **41890**
Prep Date:	Analysis Date: **4/4/2017**	SeqNo: **1315388** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	99.6	70	130			
Toluene	18	1.0	20.00	0	90.8	70	130			
Surr: 1,2-Dichloroethane-d4	8.7		10.00		86.7	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		110	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.7	70	130			
Surr: Toluene-d8	9.3		10.00		92.6	70	130			

Sample ID **1703f42-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **GW-086242-032817-**	Batch ID: **R41890**	RunNo: **41890**
Prep Date:	Analysis Date: **4/4/2017**	SeqNo: **1315389** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	99.8	70	130	0.159	20	
Toluene	18	1.0	20.00	0	88.1	70	130	3.01	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1703F42**

12-Apr-17

Client: GHD

Project: Thoreau

Sample ID	**1703f42-001amsd**	SampType:	**MSD**	TestCode:	**EPA Method 8260: Volatiles Short List**
Client ID:	**GW-086242-032817-**	Batch ID:	**R41890**	RunNo:	**41890**
Prep Date:		Analysis Date:	**4/4/2017**	SeqNo:	**1315389** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.2		10.00		92.1	70	130	0	0	
Surr: 4-Bromofluorobenzene	10		10.00		105	70	130	0	0	
Surr: Dibromofluoromethane	9.8		10.00		97.7	70	130	0	0	
Surr: Toluene-d8	9.2		10.00		92.0	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1703F42**

12-Apr-17

Client: GHD

Project: Thoreau

Sample ID	**MB-A**	SampType:	**MBLK**	TestCode:	**EPA Method 6010B: Dissolved Metals**					
Client ID:	**PBW**	Batch ID:	**A41942**	RunNo:	**41942**					
Prep Date:		Analysis Date:	**4/6/2017**	SeqNo:	**1317039**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								

Sample ID	**LCS-A**	SampType:	**LCS**	TestCode:	**EPA Method 6010B: Dissolved Metals**					
Client ID:	**LCSW**	Batch ID:	**A41942**	RunNo:	**41942**					
Prep Date:		Analysis Date:	**4/6/2017**	SeqNo:	**1317040**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.55	0.020	0.5000	0	109	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD Work Order Number: 1703F42 RcptNo: 1

Received By: **Lindsay Mangin** 3/30/2017 3:40:00 PM

Completed By: **Lindsay Mangin** 3/31/2017 9:04:33 AM

Reviewed By: aJ 04/03/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Client		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	~~Yes ☑~~	No ☑	ENM 04/03/17
9. Was preservative added to bottles?	Yes ☑	~~No ☑~~	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: 2 (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted? YES
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: ENM

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

17. Additional remarks: For dissolved metals analysis and 300 analysis poured off into 125 mL bottles fro ambers. Filtered samples for dissolved metals and added 0.4 mL HNO_3 for proper pH. -ENM 04/ 0840

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.5	Good	Not Present			

Chain-of-Custody Record

Client: GHD Services

Mailing Address: 6121 Indian School Rd NE #200
Albuquerque, NM 87110

Phone #: 505 884 0672

email or Fax#: Bernard.Bockisch@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: Thoreau

Project #: 086242

Project Manager: Bernard Bockisch

Sampler: Charles Nelligh

On Ice: ☑ Yes ☐ No

Sample Temperature: 1.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1703F42	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BTEX x 8260	PCBs x 8082	Sulphate x 300	D. Soluble Iron x 6010	Air Bubbles (Y or N)
3-28-17	0740	GW	GW-086242-032814-CN-5-6	VARIOUS		-001												X	X			
3-28-17	0807	W	GW-086242-032817-CN-5-5B			-002												X	X			
3-28-17	1030	W	GW-086242-032817-CN-5-3SB			-003												X		X	X	
3-28-17	1114	W	GW-086242-032817-CN-5VE3			-004												X		X	X	
3-28-17	1138	W	GW-086242-032817-CN-5-1BB			-005												X				
3-28-17	1210	W	GW-086242-032817-CN-5-2OB			-006												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
3-30-17	1540			03/30/17	1540
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Please filter D.S. Fe samples!

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 10, 2017

Bernie Bockish

GHD
6121 Indian School Road, NE #200
Albuquerque, NM 87110
TEL: (505) 884-0672
FAX

RE: Thoreau OrderNo.: 1706D31

Dear Bernie Bockish:

Hall Environmental Analysis Laboratory received 3 sample(s) on 6/20/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: 086242-062017-CN-SVE-3
Project: Thoreau
Collection Date: 6/20/2017 12:50:00 PM
Lab ID: 1706D31-001
Matrix: AQUEOUS
Received Date: 6/20/2017 4:30:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	0.67	0.50		mg/L	1	7/3/2017 10:50:52 PM	R43973
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **MED**	
Iron	4.1	0.20		mg/L	10	6/27/2017 10:20:55 AM	A43812
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Iron	19	2.5		mg/L	50	6/27/2017 10:16:24 AM	32492
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	5700	200		µg/L	200	6/26/2017 5:53:00 PM	SL43806
Toluene	ND	20		µg/L	20	6/26/2017 6:17:00 PM	SL43806
Ethylbenzene	270	20		µg/L	20	6/26/2017 6:17:00 PM	SL43806
Xylenes, Total	4600	300		µg/L	200	6/26/2017 5:53:00 PM	SL43806
Surr: 1,2-Dichloroethane-d4	90.6	70-130		%Rec	20	6/26/2017 6:17:00 PM	SL43806
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	20	6/26/2017 6:17:00 PM	SL43806
Surr: Dibromofluoromethane	103	70-130		%Rec	20	6/26/2017 6:17:00 PM	SL43806
Surr: Toluene-d8	93.2	70-130		%Rec	20	6/26/2017 6:17:00 PM	SL43806

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: 086242-062017-CN-S-35B
Project: Thoreau
Collection Date: 6/20/2017 1:45:00 PM
Lab ID: 1706D31-002
Matrix: AQUEOUS
Received Date: 6/20/2017 4:30:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	5.2	5.0		mg/L	10	6/30/2017 1:39:21 AM	R43889
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **MED**	
Iron	3.2	0.20		mg/L	10	6/27/2017 10:23:12 AM	A43812
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Iron	22	2.5		mg/L	50	6/27/2017 10:17:55 AM	32492
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	1300	20		µg/L	20	6/26/2017 6:41:00 PM	SL43806
Toluene	ND	20		µg/L	20	6/26/2017 6:41:00 PM	SL43806
Ethylbenzene	28	20		µg/L	20	6/26/2017 6:41:00 PM	SL43806
Xylenes, Total	250	30		µg/L	20	6/26/2017 6:41:00 PM	SL43806
Surr: 1,2-Dichloroethane-d4	89.7	70-130		%Rec	20	6/26/2017 6:41:00 PM	SL43806
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	20	6/26/2017 6:41:00 PM	SL43806
Surr: Dibromofluoromethane	108	70-130		%Rec	20	6/26/2017 6:41:00 PM	SL43806
Surr: Toluene-d8	90.4	70-130		%Rec	20	6/26/2017 6:41:00 PM	SL43806

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: TRIP BLANK
Project: Thoreau
Collection Date:
Lab ID: 1706D31-003
Matrix: AQUEOUS
Received Date: 6/20/2017 4:30:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/26/2017 7:05:00 PM	SL43806
Toluene	ND	1.0		µg/L	1	6/26/2017 7:05:00 PM	SL43806
Ethylbenzene	ND	1.0		µg/L	1	6/26/2017 7:05:00 PM	SL43806
Xylenes, Total	ND	1.5		µg/L	1	6/26/2017 7:05:00 PM	SL43806
Surr: 1,2-Dichloroethane-d4	88.6	70-130		%Rec	1	6/26/2017 7:05:00 PM	SL43806
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	6/26/2017 7:05:00 PM	SL43806
Surr: Dibromofluoromethane	105	70-130		%Rec	1	6/26/2017 7:05:00 PM	SL43806
Surr: Toluene-d8	90.8	70-130		%Rec	1	6/26/2017 7:05:00 PM	SL43806

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706D31**

10-Jul-17

Client: GHD

Project: Thoreau

Sample ID	**LCS**	SampType: **lcs**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**LCSW**	Batch ID: **R43889**			RunNo: **43889**					
Prep Date:		Analysis Date: **6/29/2017**			SeqNo: **1384596**		Units: **mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.1	0.50	10.00	0	91.2	90	110			

Sample ID	**MB**	SampType: **mblk**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID: **R43973**			RunNo: **43973**					
Prep Date:		Analysis Date: **7/3/2017**			SeqNo: **1387126**		Units: **mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID	**LCS**	SampType: **lcs**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**LCSW**	Batch ID: **R43973**			RunNo: **43973**					
Prep Date:		Analysis Date: **7/3/2017**			SeqNo: **1387127**		Units: **mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.8	0.50	10.00	0	98.1	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706D31**

10-Jul-17

Client: GHD

Project: Thoreau

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **SL43806**	RunNo: **43806**
Prep Date:	Analysis Date: **6/26/2017**	SeqNo: **1380067** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	70	130			
Toluene	20	1.0	20.00	0	101	70	130			
Ethylbenzene	20	1.0	20.00	0	102	70	130			
Xylenes, Total	60	1.5	60.00	0	101	70	130			
Surr: 1,2-Dichloroethane-d4	8.6		10.00		85.5	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	9.6		10.00		96.0	70	130			

Sample ID **RB**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **SL43806**	RunNo: **43806**
Prep Date:	Analysis Date: **6/26/2017**	SeqNo: **1380068** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.2		10.00		92.3	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	9.2		10.00		92.0	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706D31**

10-Jul-17

Client: GHD

Project: Thoreau

Sample ID	**MB-A**	SampType: **MBLK**			TestCode: **EPA Method 6010B: Dissolved Metals**					
Client ID:	**PBW**	Batch ID: **A43812**			RunNo: **43812**					
Prep Date:		Analysis Date: **6/27/2017**			SeqNo: **1380457**		Units: **mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								

Sample ID	**LCS-A**	SampType: **LCS**			TestCode: **EPA Method 6010B: Dissolved Metals**					
Client ID:	**LCSW**	Batch ID: **A43812**			RunNo: **43812**					
Prep Date:		Analysis Date: **6/27/2017**			SeqNo: **1380458**		Units: **mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.50	0.020	0.5000	0	100	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706D31**

10-Jul-17

Client: GHD

Project: Thoreau

Sample ID	**MB-32492**	SampType:	**MBLK**	TestCode:	**EPA 6010B: Total Recoverable Metals**					
Client ID:	**PBW**	Batch ID:	**32492**	RunNo:	**43812**					
Prep Date:	**6/26/2017**	Analysis Date:	**6/27/2017**	SeqNo:	**1380450**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.050								

Sample ID	**LCS-32492**	SampType:	**LCS**	TestCode:	**EPA 6010B: Total Recoverable Metals**					
Client ID:	**LCSW**	Batch ID:	**32492**	RunNo:	**43812**					
Prep Date:	**6/26/2017**	Analysis Date:	**6/27/2017**	SeqNo:	**1380451**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.50	0.050	0.5000	0	100	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD | Work Order Number: 1706D31 | RcptNo: 1

Received By: **Anne Thorne** 6/20/2017 4:30:00 PM

Completed By: **Anne Thorne** 6/23/2017 2:49:12 PM

Reviewed By: 6/26/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Client		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: 4 (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted? NO
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: AS

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.9	Good	Not Present			

Chain-of-Custody Record

Client: GHD

Mailing Address: 6121 Indian School Rd NE #200

Albuquerque, NM, 87110

Phone #: 505-884-0672

email or Fax#: Bernard.Bockisch@ghd.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ Rush _____

Project Name: Thoreau

Project #: 08C2412

Project Manager: Bernard Bockisch

Sampler: Charles Nelligh

On Ice: ☑ Yes ☐ No

Sample Temperature: 4.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1706D31	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BTEX x 8260	Sulfate x 6010	Dissolved Fe x 6010	Total Fe x 6010	Air Bubbles (Y or N)
6-20-17	1350	WT	GW-086242-062017-DU-SVE-3	Various		001												X	X	X	X	
6-20-17	1345	WT	GW-086242-062017-DU-S-3SB	Various		002												X	X	X	X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
6-20-17	1630	Charles Nelligh			
Date:	Time:	Relinquished by:	Received by:	Date	Time
				06/20/17	1630

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 16, 2017

Bernie Bockish
GHD
6121 Indian School Road, NE #200
Albuquerque, NM 87110
TEL: (505) 884-0672
FAX

RE: Thoreau OrderNo.: 1709D38

Dear Bernie Bockish:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/22/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: Thoreau

Lab Order: 1709D38

Lab ID: 1709D38-001 **Collection Date:** 9/22/2017 10:30:00 AM
Client Sample ID: GW-086242-092217-CN-5-35B **Matrix:** WASTE WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	2.9	2.5		mg/L	5	9/26/2017 6:12:43 PM	R45932
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **MED**	
Iron	8.2	0.20		mg/L	10	10/5/2017 8:29:01 AM	A46111
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Iron	28	2.5		mg/L	50	10/5/2017 8:14:13 AM	34215
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	1300	20		µg/L	20	9/28/2017 9:01:00 PM	SL4597
Toluene	8.7	8.0		µg/L	20	9/28/2017 9:01:00 PM	SL4597
Ethylbenzene	25	20		µg/L	20	9/28/2017 9:01:00 PM	SL4597
Xylenes, Total	250	30		µg/L	20	9/28/2017 9:01:00 PM	SL4597
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	20	9/28/2017 9:01:00 PM	SL4597
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	20	9/28/2017 9:01:00 PM	SL4597
Surr: Dibromofluoromethane	102	70-130		%Rec	20	9/28/2017 9:01:00 PM	SL4597
Surr: Toluene-d8	98.6	70-130		%Rec	20	9/28/2017 9:01:00 PM	SL4597

Lab ID: 1709D38-002 **Collection Date:** 9/22/2017 11:45:00 AM
Client Sample ID: GW-086242-092217-CN-SVE-3 **Matrix:** WASTE WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Sulfate	ND	2.5		mg/L	5	9/26/2017 6:37:32 PM	R45932
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **MED**	
Iron	3.6	0.10		mg/L	5	10/5/2017 8:30:24 AM	A46111
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Iron	13	2.5		mg/L	50	10/5/2017 8:24:18 AM	34215
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	3400	200		µg/L	200	10/3/2017 1:10:00 PM	R46072
Toluene	ND	8.0		µg/L	20	9/28/2017 9:25:00 PM	SL4597
Ethylbenzene	120	20		µg/L	20	9/28/2017 9:25:00 PM	SL4597
Xylenes, Total	2200	30		µg/L	20	9/28/2017 9:25:00 PM	SL4597
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	20	9/28/2017 9:25:00 PM	SL4597
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	20	9/28/2017 9:25:00 PM	SL4597
Surr: Dibromofluoromethane	101	70-130		%Rec	20	9/28/2017 9:25:00 PM	SL4597
Surr: Toluene-d8	101	70-130		%Rec	20	9/28/2017 9:25:00 PM	SL4597

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: Thoreau

Lab Order: 1709D38

Lab ID: 1709D38-003 **Collection Date:** 9/22/2017
Client Sample ID: GW-086242-092217-CN-DUP **Matrix:** WASTE WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	1500	20		µg/L	20	9/28/2017 10:12:00 PM	SL4597
Toluene	9.5	8.0		µg/L	20	9/28/2017 10:12:00 PM	SL4597
Ethylbenzene	26	20		µg/L	20	9/28/2017 10:12:00 PM	SL4597
Xylenes, Total	260	30		µg/L	20	9/28/2017 10:12:00 PM	SL4597
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	20	9/28/2017 10:12:00 PM	SL4597
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	20	9/28/2017 10:12:00 PM	SL4597
Surr: Dibromofluoromethane	101	70-130		%Rec	20	9/28/2017 10:12:00 PM	SL4597
Surr: Toluene-d8	100	70-130		%Rec	20	9/28/2017 10:12:00 PM	SL4597

Lab ID: 1709D38-004 **Collection Date:**
Client Sample ID: TRIP BLANK **Matrix:**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	9/28/2017 10:35:00 PM	SL4597
Toluene	ND	1.0		µg/L	1	9/28/2017 10:35:00 PM	SL4597
Ethylbenzene	ND	1.0		µg/L	1	9/28/2017 10:35:00 PM	SL4597
Xylenes, Total	ND	1.5		µg/L	1	9/28/2017 10:35:00 PM	SL4597
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	9/28/2017 10:35:00 PM	SL4597
Surr: 4-Bromofluorobenzene	98.7	70-130		%Rec	1	9/28/2017 10:35:00 PM	SL4597
Surr: Dibromofluoromethane	102	70-130		%Rec	1	9/28/2017 10:35:00 PM	SL4597
Surr: Toluene-d8	100	70-130		%Rec	1	9/28/2017 10:35:00 PM	SL4597

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709D38**

16-Oct-17

Client: GHD

Project: Thoreau

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R45932**	RunNo:	**45932**					
Prep Date:		Analysis Date:	**9/26/2017**	SeqNo:	**1459757**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID	**LCS**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSW**	Batch ID:	**R45932**	RunNo:	**45932**					
Prep Date:		Analysis Date:	**9/26/2017**	SeqNo:	**1459758**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.6	0.50	10.00	0	96.1	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709D38**

16-Oct-17

Client: GHD

Project: Thoreau

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **SL45970**	RunNo: **45970**
Prep Date:	Analysis Date: **9/28/2017**	SeqNo: **1463633** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	94.8	70	130			
Toluene	19	1.0	20.00	0	97.3	70	130			
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.4	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.6	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **SL45970**	RunNo: **45970**
Prep Date:	Analysis Date: **9/28/2017**	SeqNo: **1463635** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.3	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.9	70	130			
Surr: Toluene-d8	9.9		10.00		98.8	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **R46072**	RunNo: **46072**
Prep Date:	Analysis Date: **10/3/2017**	SeqNo: **1465320** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	101	70	130			
Surr: 1,2-Dichloroethane-d4	9.9		10.00		99.5	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.6	70	130			
Surr: Dibromofluoromethane	10		10.00		102	70	130			
Surr: Toluene-d8	10		10.00		99.6	70	130			

Sample ID **RB**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **R46072**	RunNo: **46072**
Prep Date:	Analysis Date: **10/3/2017**	SeqNo: **1465325** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.5	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709D38**

16-Oct-17

Client: GHD

Project: Thoreau

Sample ID **RB**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **R46072**	RunNo: **46072**
Prep Date:	Analysis Date: **10/3/2017**	SeqNo: **1465325** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	11		10.00		105	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709D38**

16-Oct-17

Client: GHD

Project: Thoreau

Sample ID	**MB-A**	SampType:	**MBLK**	TestCode:	**EPA Method 6010B: Dissolved Metals**					
Client ID:	**PBW**	Batch ID:	**A46111**	RunNo:	**46111**					
Prep Date:		Analysis Date:	**10/5/2017**	SeqNo:	**1466881**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								

Sample ID	**LCS-A**	SampType:	**LCS**	TestCode:	**EPA Method 6010B: Dissolved Metals**					
Client ID:	**LCSW**	Batch ID:	**A46111**	RunNo:	**46111**					
Prep Date:		Analysis Date:	**10/5/2017**	SeqNo:	**1466882**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.48	0.020	0.5000	0	95.2	80	120			

Sample ID	**LLLCS-A**	SampType:	**LCSLL**	TestCode:	**EPA Method 6010B: Dissolved Metals**					
Client ID:	**BatchQC**	Batch ID:	**A46111**	RunNo:	**46111**					
Prep Date:		Analysis Date:	**10/5/2017**	SeqNo:	**1466883**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.023	0.020	0.02000	0	116	50	150			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709D38**

16-Oct-17

Client: GHD

Project: Thoreau

Sample ID	**MB-34215**	SampType:	**MBLK**	TestCode:	**EPA 6010B: Total Recoverable Metals**					
Client ID:	**PBW**	Batch ID:	**34215**	RunNo:	**46111**					
Prep Date:	**10/3/2017**	Analysis Date:	**10/5/2017**	SeqNo:	**1466866**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.050								

Sample ID	**LCS-34215**	SampType:	**LCS**	TestCode:	**EPA 6010B: Total Recoverable Metals**					
Client ID:	**LCSW**	Batch ID:	**34215**	RunNo:	**46111**					
Prep Date:	**10/3/2017**	Analysis Date:	**10/5/2017**	SeqNo:	**1466867**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.52	0.050	0.5000	0	104	80	120			

Sample ID	**LLLCS-34215**	SampType:	**LCSLL**	TestCode:	**EPA 6010B: Total Recoverable Metals**					
Client ID:	**BatchQC**	Batch ID:	**34215**	RunNo:	**46111**					
Prep Date:	**10/3/2017**	Analysis Date:	**10/5/2017**	SeqNo:	**1466868**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.050	0.02000	0	109	50	150			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD | Work Order Number: 1709D38 | RcptNo: 1

Received By: **John Caldwell** 9/22/2017 4:30:00 PM John Caldwell

Completed By: **Sophia Campuzano** 9/25/2017 9:00:16 AM Sophia Campuzano

Reviewed By: IMO 9/25/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Client		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☐	No ☑	NA ☐
Samples were collected the same day and chilled.			
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	10.5	Good	Not Present			

Chain-of-Custody Record

Client: 640 Services

Mailing Address: 6121 Indian School Rd NE #200

Albuquerque NM 87110

Phone #: 505 884 0672

email or Fax#: Bernard.Bockisch@gld.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ Rush _____

Project Name: Thoreau

Project #: 086242

Project Manager: Bernard Bockisch

Sampler:

On Ice: ☒ Yes ☐ No

Sample Temperature: 19.1 + 0.4 = 19.5 C

HEAL No: 1709D38

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BTEX 8260	Sulfate	Total Fe	Dissolved Fe
9-22-17	1030	WT	GW-086242-092217-CW-5-358	various	HNO_3 $\tilde{H}Cl$	-001												X	X	X	X
9-22-17	1145	WT	GW-086242-092217-CW-SVE-3	various	↓	-002												X	X	X	X
9-22-17	—	WT	GW-086242-092217-CW-DUP	various	↓	-003												X			
			TRIP BLANK SRE 09/25/17			-004															

Date	Time	Relinquished by:	Received by:	Date	Time
9-22-17	1630	Charles Nelson	[signature]	9.22.17	1630
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

www.ghd.com