



REVIEWED

By Nelson Velez at 12:27 pm, Nov 21, 2022

Review of the 2021 Annual Groundwater Monitoring Report: Content satisfactory

1. Continue with the 2022 recommendations as stated within the 2021 annual groundwater monitoring report
2. Submit next Annual Monitoring Report to the OCD no later than March 31, 2023.

2021 Annual Groundwater Monitoring Report

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

Incident Number nNAUTOFCS000709

Transwestern Pipeline Company

March 30, 2022

→ **The Power of Commitment**

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1. Introduction

1.1 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 1992 to December 1992, a nitrate injection pilot test was conducted at the Site in the immediate vicinity of monitoring well (MW) 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 soil vapor extraction (SVE) 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 MW 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 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. 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) 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 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 located in the extreme southeast corner of the facility (MW 5-59 and 5-06C) since 1989. The concentrations of PCBs in these wells have generally been decreasing over time.

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, 2014 and November 24, 2014. Analytical data from the soil borings indicated residual benzene, toluene, ethylbenzene, and xylenes (BTEX) and TPH concentrations near MW 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, 2014 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 to assess the Site for remediation by chemical oxidation was submitted to both the NNEPA and NMOCD, dated September 29, 2015. 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 Innovative Technology Group (ITG) laboratory located in Niagara Falls, New York.

Based on the treatability study, in-situ chemical oxidation (ISCO) using a catalyzed sodium persulfate solution was recommended by ITG to address petroleum hydrocarbon impacts.

Injections were performed in air sparge wells AS-4, AS-10, and AS-15 with a sodium persulfate and sodium hydroxide solution during three injection events in 2017. The injections were administered by GHD on March 28, June 26, and October 6, 2017. Results of groundwater analysis following the injection events did not indicate that the injections were not beneficial at reducing constituent concentrations there than in sampled collected from the injection wells. There was minimal to no connectivity between monitoring wells near the injection points.

Semiannual groundwater monitoring continued in 2021. Details of 2021 field activities are discussed in this report.

1.2 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

Semiannual groundwater monitoring events were performed at the Site on June 3, 2021 and October 14, 2021. Prior to collection of groundwater samples, an oil/water interface probe was used to measure depth to groundwater and check for the presence of light non-aqueous phase liquids (LNAPL), if any. Before and after each use, the oil/water interface probe was cleaned with an Alconox®/deionized water solution and rinsed with deionized water. Groundwater gauging data and calculated groundwater elevations are detailed in **Table 1**. Groundwater potentiometric surface maps showing June and October 2021 groundwater elevation data are presented as **Figure 3** and **Figure 4**,

respectively. The apparent groundwater flow at the Site is to the southwest and is consistent with historical data. The groundwater gradient was calculated at 0.052 feet per foot (ft/ft) in June and 0.050 ft/ft in October 2021.

2.2 Groundwater Monitoring Methodology

During the 2021 semiannual monitoring events, monitoring wells 5-16B, 5-18B, 5-20B, 5-35B, 5-06C, 5-59, AS-04, AS-10, AS-15, and SVE-3 were purged of at least three well volumes or until dry using dedicated, 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 in Albuquerque, New Mexico.

Groundwater samples collected from monitoring wells 5-16B, 5-18B, 5-20B, 5-35B, 5-06C, 5-59, AS-04, AS-10, AS-15, and SVE-3 were analyzed for BTEX by EPA Method 8260, sulfate by EPA Method 300.0, and dissolved iron and manganese by EPA Method 6010B. Groundwater samples collected from monitoring wells 5-06C and 5-59 were also analyzed for PCBs by EPA Method 8082. 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 specific ISCO monitoring BTEX analytical results, as well as those for sulfate, is presented on **Table 5**. BTEX and PCB concentrations for the 2021 semiannual monitoring events are shown on **Figure 5**.

2.3 Groundwater Monitoring Analytical Results

The 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 Regulation, Maximum Contaminant Levels (MCLs) set by the EPA.

Any constituents of concern that were detected in groundwater samples above EPA MCLs are listed below.

Results of the June 2021 groundwater monitoring event are as follows:

- LNAPL: LNAPL was observed in well 5-02C while purging in an attempt to collect a groundwater sample. The well was subsequently not sampled due to the presence of LNAPL.
- Benzene: The EPA MCL for benzene is 5 micrograms per liter (µg/L). Groundwater samples collected from monitoring wells 5-16B, 5-35B, SVE-3, AS-4, AS-10, and AS-15 contained benzene at concentrations of 81 µg/L, 2,500 µg/L, 3,800 µg/L, 5.3 µg/L, 400 µg/L, and 900 µg/L, respectively.
- PCBs: The EPA MCL for PCBs is 0.5 µg/L. Groundwater samples collected from wells 5-06C and 5-59 contained PCBs at concentrations of 3.2 µg/L and 4.2 µg/L, respectively.
- Sulfate: The EPA secondary drinking water standard for sulfate is 250 mg/L. The sulfate concentration in SVE-3, AS-4, AS-10, and AS-15 contained sulfate concentrations of 9,000 mg/L, 5,200 mg/L, 3,300 mg/L, and 5,500 mg/L, respectively. The elevated concentrations of sulfate are a result of the 2017 ISCO injections that utilized a catalyzed sodium persulfate solution as an oxidant.

Results of the October 2021 groundwater monitoring event are as follows:

- LNAPL: LNAPL was observed in MW 5-02C while purging in an attempt to collect a groundwater sample. The well was subsequently not sampled due to the presence of LNAPL.
- Benzene: The EPA MCLs for benzene is 5 micrograms per liter (µg/L). Groundwater samples collected from monitoring wells 5-16B, 5-35B, SVE-3, AS-10, and AS-15 contained benzene at concentrations of 71 µg/L, 1,900 µg/L, 3,800 µg/L, 210 µg/L, and 630 µg/L.
- PCBs: The EPA MCLs groundwater quality standard for PCBs is 0.5 µg/L. The groundwater sample collected from MW 5-06C and 5-59 contained PCBs at concentrations of 1.5 µg/L and 3.5 µg/L, respectively.

- Sulfate: The EPA secondary drinking water standard for sulfate is 250 mg/L. The sulfate concentration in SVE-3, AS-4, AS-10, and AS-15 contained sulfate concentrations of 8,700 mg/L, 1,200 mg/L, 1,900 mg/L, and 5,200 mg/L, respectively. The elevated concentrations of sulfate are a result of the 2017 ISCO injections that utilized a catalyzed sodium persulfate solution as an oxidant.

To address the elevated sulfate levels associated with the 2017 ISCO injections of catalyzed sodium persulfate solution, a freshwater injection was performed July 1 to 3, 2019. The freshwater injections was approved by the NMOCD during an annual meeting conducted between NMOCD, GHD, and Energy Transfer in April of 2019. NNEPA further approved freshwater injections via email correspondence in June of 2019. Approximately 250 gallons of fresh water were injected into wells AS-4, AS-10, AS-15, and 5-37I. Sulfate concentrations in these wells generally decreased as a result of the addition of fresh water. Concentrations were observed to have rebounded slightly in some of the wells that received fresh water, but the downward trend in sulfate was again observed throughout the end of 2021 semiannual monitoring. Sulfate concentrations should continue to decrease over time. One instance where sulfate concentrations increased after the freshwater injection was in SVE-3 which did not receive an injection of sulfate in 2017. The increase in sulfate can be attributed to the freshwater pushing sulfate injected into AS-15 further downgradient an influencing SVE-3. Sulfate in SVE-3 should also decrease overtime.

A copy of the laboratory analytical reports for the semiannual monitoring event is included in **Appendix A**.

3. ISCO Monitoring Results

ISCO treatment has been performed at the Site to target residual benzene concentrations.

MWs SVE-3, 5-35B, AS-4, AS-10 and AS-15 are located in the treatment area. Sulfate data indicates that the oxidant (sodium persulfate) made significant contact with AS-4, AS-10 and AS-15. Benzene concentrations in AS-4 are currently below criteria as of the end of 2021. Concentrations of benzene in AS-15 were reduced to low levels in 2018 and 2019, rebounded in 2020, but show a decreasing trend in 2021. Benzene concentrations in AS-10 may have been reduced by previous ISCO events but had been rebounding from 2018 to 2020, but show a decreasing trend in 2021. Sulfate data indicate that the oxidant did not make significant contact with SVE-3 and MW 5-35B. Overall, it appears that benzene concentrations were reduced in wells that had direct contact with the oxidant, however in some locations these concentrations have rebounded.

4. Conclusions and 2022 Recommendations

4.1 Conclusions

Based on the information and data presented in this report, GHD makes the following conclusions:

- Groundwater flow within the perched aquifer at the Site is to the southwest and is relatively consistent with historical data.
- Groundwater from Site monitoring wells still contains benzene and PCB concentrations above the EPA MCLs.
- LNAPL was observed in MW 5-02C during both 2021 monitoring events.
- Sulfate concentrations remain elevated in wells where sodium persulfate was injected in 2017, but did decrease following the NMOCD and NNEPA approved freshwater injection completed in July, 2019. A rebound of sulfate concentrations has been observed but the overall trend as of the end of 2021 is decreasing with the exception of SVE-3 which has shown an increase in sulfate concentrations since 2019.

4.2 2022 Recommendations

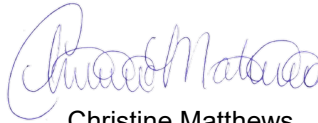
Based on the findings listed above, GHD recommends the following for 2021:

- Sample MW 5-48B if sufficient volume is present in order to further monitor conditions in SVE-3.
- Continue semiannual groundwater monitoring.
- Utilize hydrocarbon absorbent socks in MW 5-02C to address the presence of LNAPL.
- Continue to assess the effectiveness of ISCO via monitoring concentrations of sulfate, iron (dissolved and total), as well as dissolved manganese in select monitoring, SVE, or AS wells to determine the potential for continuation or modification of in-situ remediation activities.

All of Which is Respectfully Submitted,
GHD

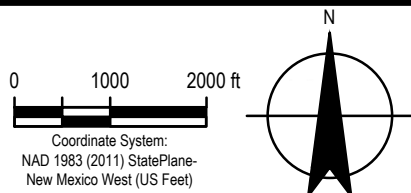
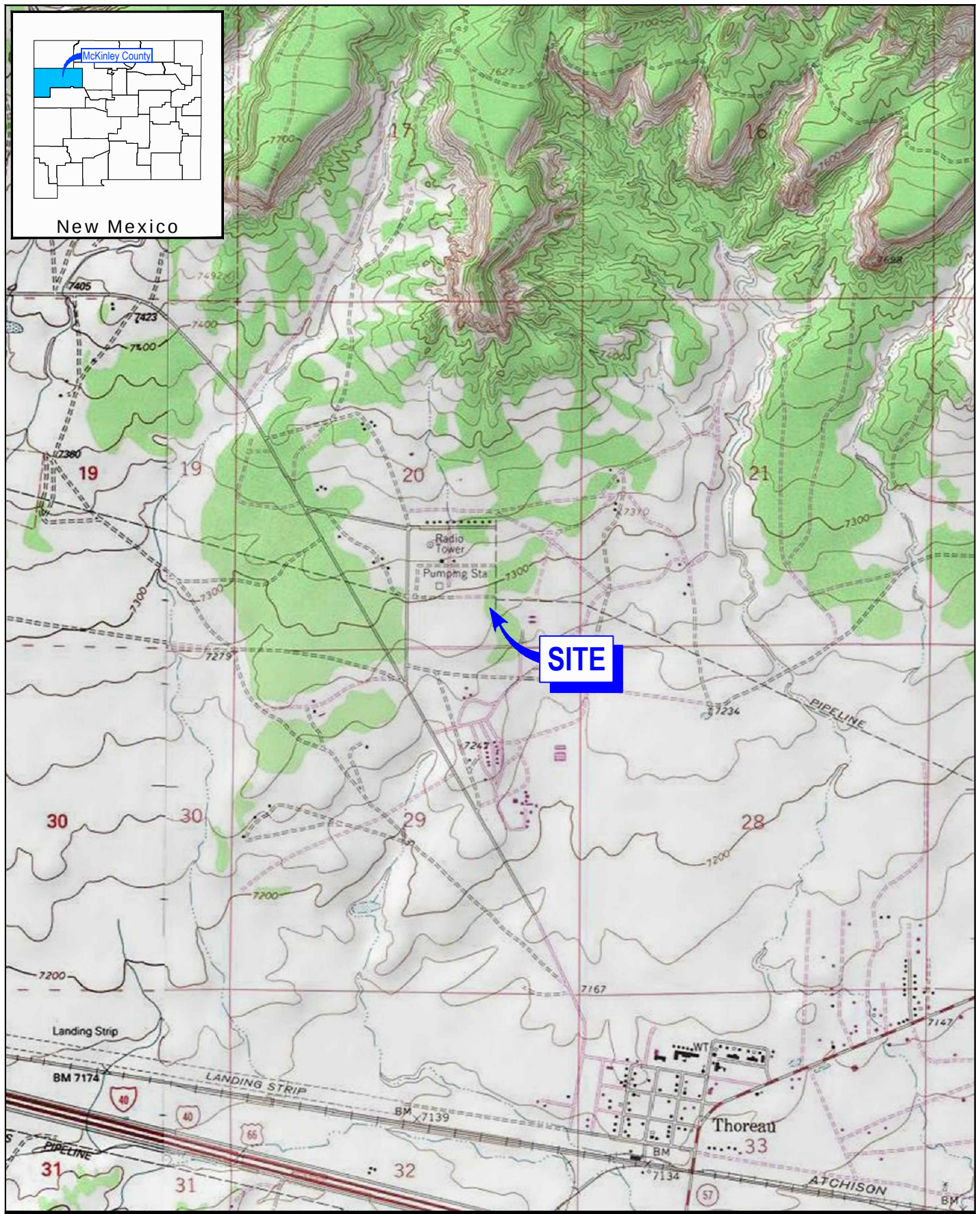


Nathan Reece
Environmental Scientist



Christine Matthews
Project Manager

Figures



TRANSWESTERN PIPELINE COMPANY, LLC
MCKINLEY COUNTY, NEW MEXICO
THOREAU COMPRESSOR STATION

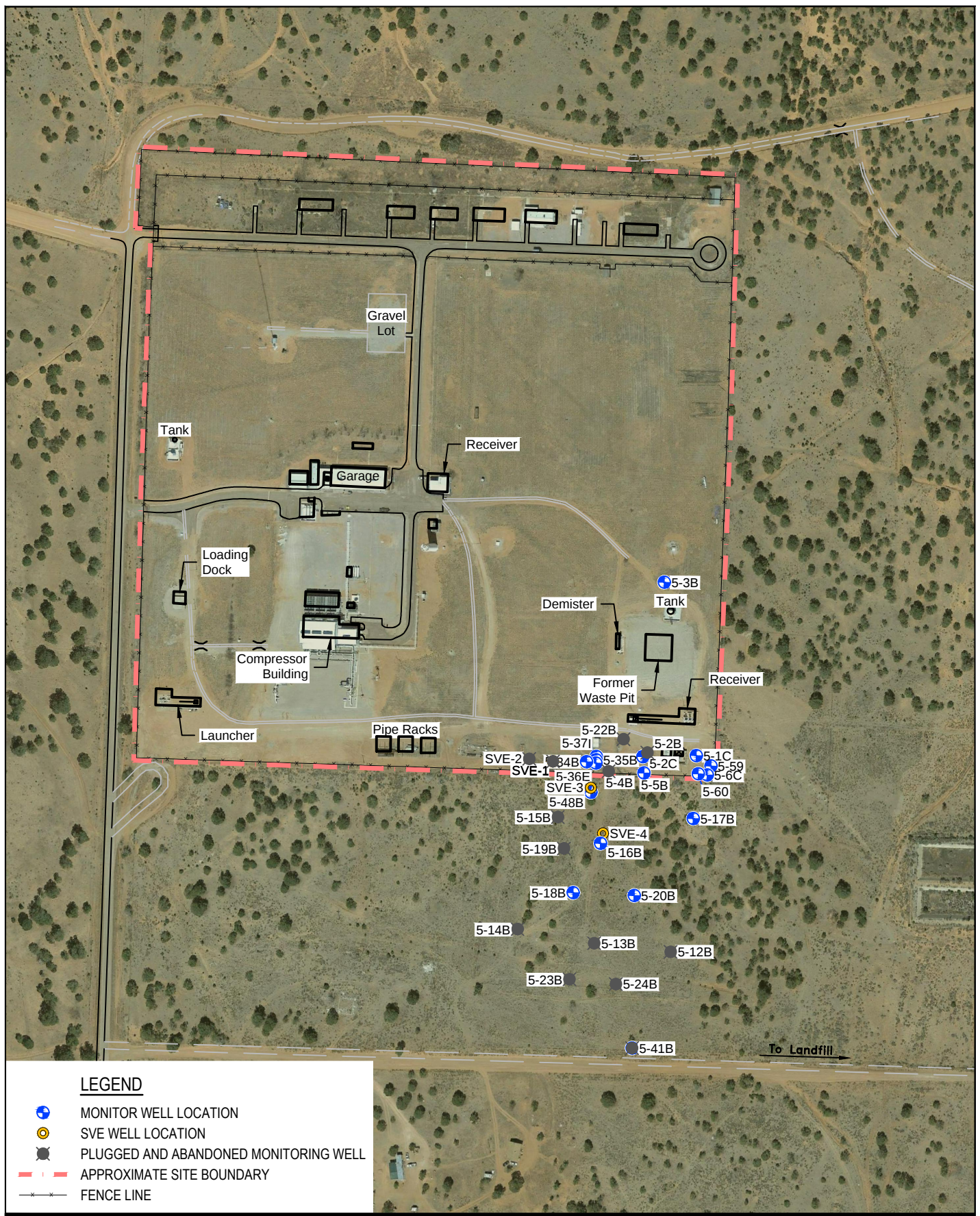
Project No. 12574705
Date March 2022

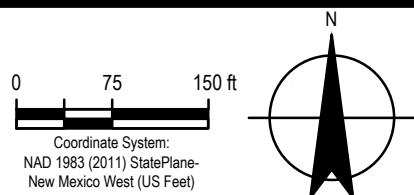
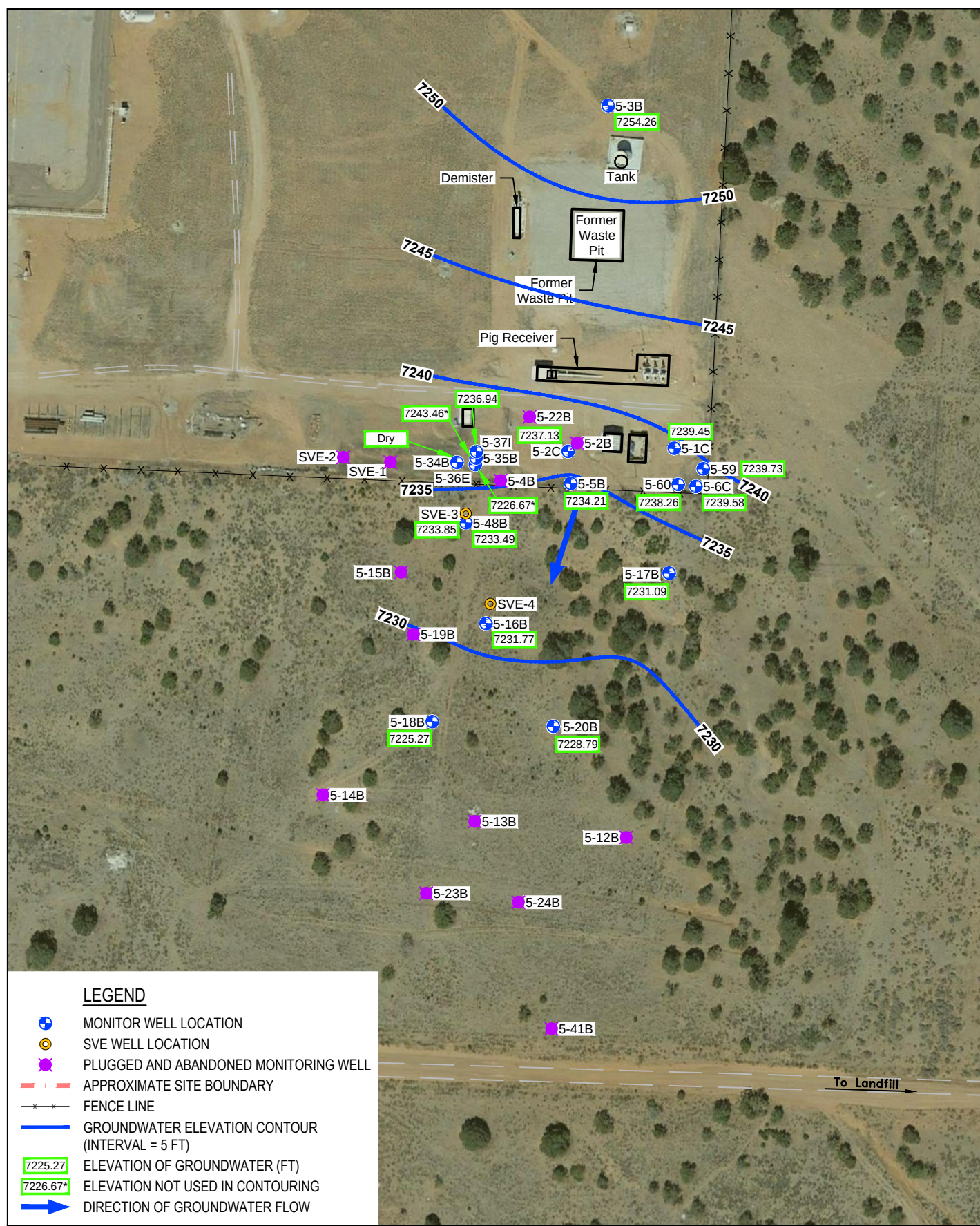
SITE LOCATION MAP

FIGURE 1

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Data Source: USGS 7.5 Minute Quad "Bell Lake and Tip Top Wells, New Mexico"
Lat/Long: 35.4262° North, 108.2360° West





TRANSWESTERN PIPELINE COMPANY, LLC
MCKINLEY COUNTY, NEW MEXICO
THOREAU COMPRESSOR STATION

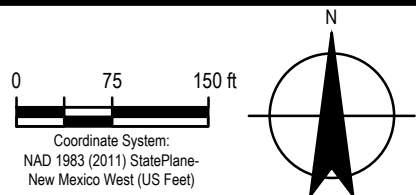
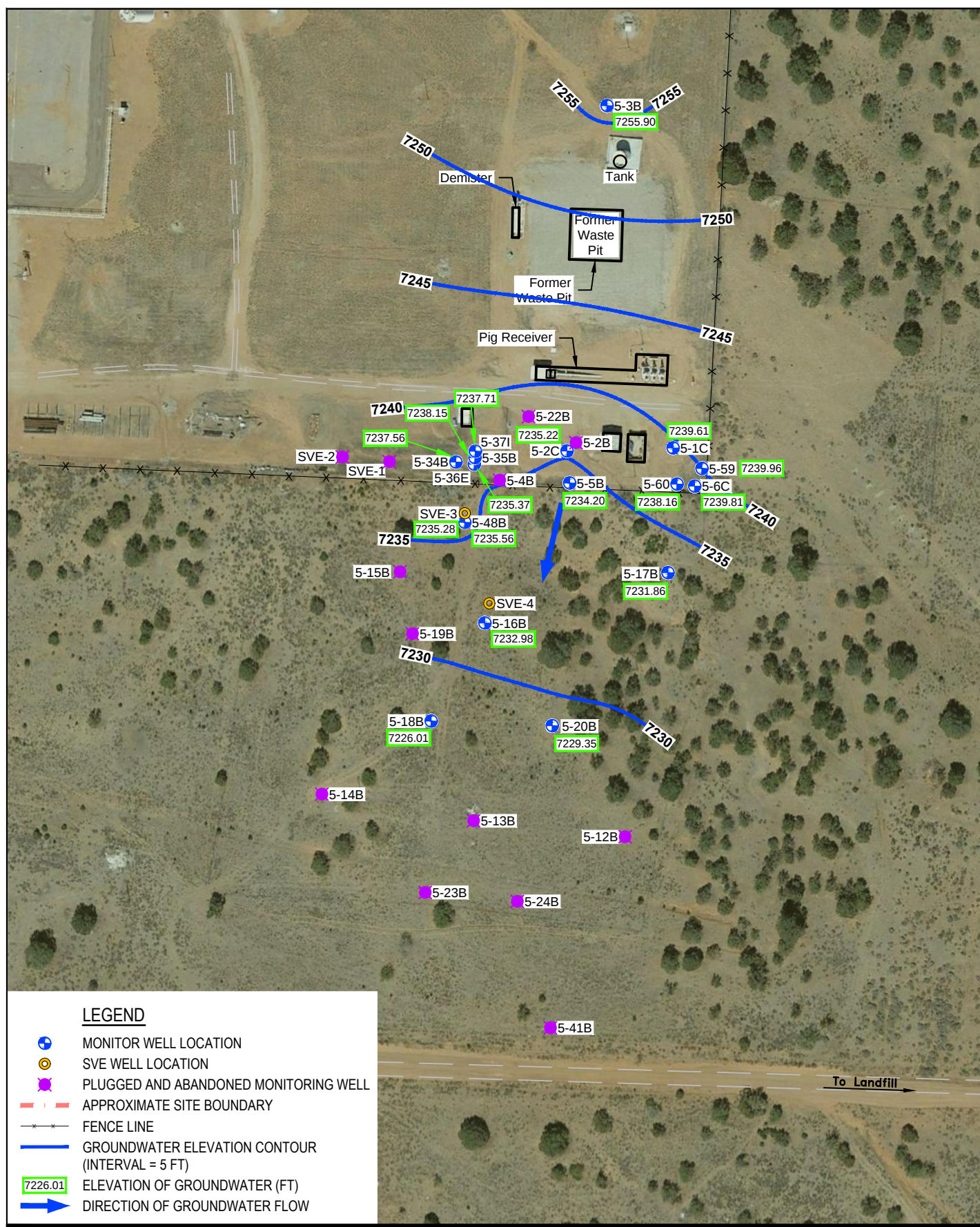
Project No. 12574705
Date March 2022

JUNE 2021
POTENTIOMETRIC SURFACE MAP

FIGURE 3

Filename: \\ghdnet\ghd\US\Albuquerque\Projects\12574705\Digital_Design\ACAD\Figures\IPT001\12574705-GHD-0000-RPT-EN-0102-DL-001.dwg

Data Source: Image © 2022 Google - Imagery Date: March 18, 2016
Lat/Long: 35.4262° North, 108.2360° West

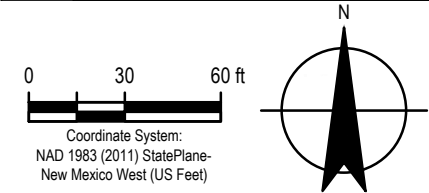
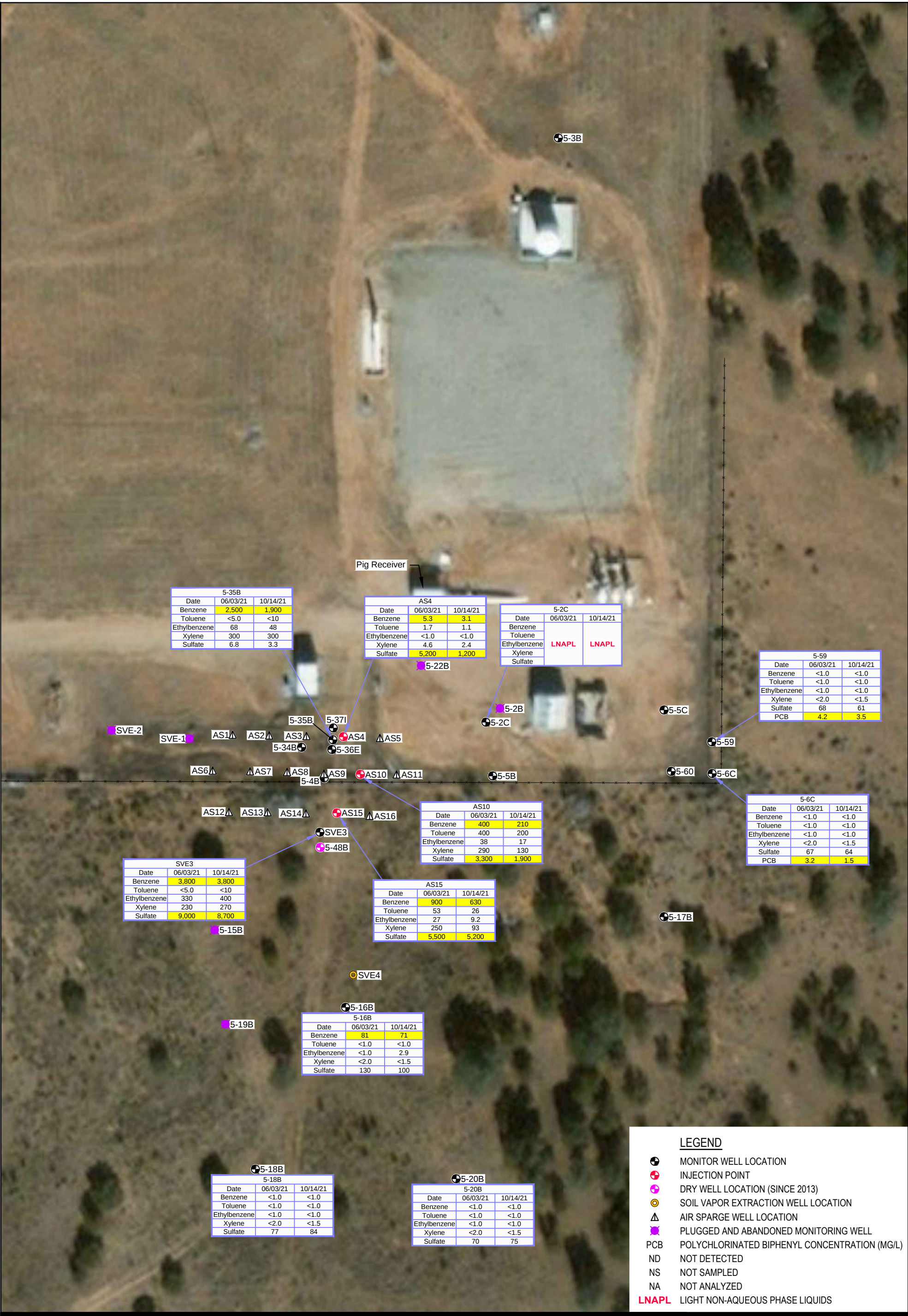


TRANSWESTERN PIPELINE COMPANY, LLC
MCKINLEY COUNTY, NEW MEXICO
THOREAU COMPRESSOR STATION

Project No. 12574705
Date March 2022

OCTOBER 2021
POTENTIOMETRIC SURFACE MAP

FIGURE 4



TRANSWESTERN PIPELINE COMPANY, LLC
McKINLEY COUNTY, NEW MEXICO
THOREAU COMPRESSOR STATION

Project No. 12574705
Date March 2022

2021 BTEX AND PCB
CONCENTRATION MAP

FIGURE 5

Tables

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL 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
		04/19/18	---	52.92	---	7239.19
		10/03/19	---	53.03	---	7239.08
		06/16/20	---	52.78	---	7239.33
10/07/20	---	52.86	---	7239.25		
06/03/21	---	52.66	---	7239.45		
10/14/21	---	52.50	---	7239.61		

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL 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			

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
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
		04/19/18	---	56.35	---	7235.47
		04/16/19	---	55.70	---	7236.12
		10/03/19	56.60	56.93	0.33	7235.14
		06/16/20	---	55.76	---	7236.06
		10/07/20	---	56.70	---	7235.12
		06/03/21	54.66	54.69	0.03	7237.13
		10/14/21	56.54	56.60	0.06	7235.22
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

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-03B Cont.	7,303.76	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
		04/19/18	---	52.02	---	7251.74
		04/16/19	---	51.98	---	7251.78
		10/03/19	---	51.91	---	7251.85
		06/16/20	---	NM	---	---
		06/03/21	---	49.50	---	7254.26
		10/14/21	---	47.86	---	7255.90
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
		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

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-04B Cont.	7,292.72 (a)	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			
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
		04/19/18	---	58.17	---	7233.85
		04/16/19	---	57.83	---	7234.19
		10/03/19	---	57.87	---	7234.15
		06/16/20	---	57.84	---	7234.18
		10/07/20	---	57.87	---	7234.15
		06/03/21	---	57.81	---	7234.21
		10/14/21	---	57.82	---	7234.20

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL 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
		04/19/18	---	52.33	---	7239.13
		04/16/19	---	52.24	---	7239.22
10/03/19	---	52.42	---	7239.04		
06/16/20	---	52.14	---	7239.32		
10/07/20	---	52.29	---	7239.17		
06/03/21	---	51.88	---	7239.58		
10/14/21	---	51.65	---	7239.81		

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL 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			
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

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-13B Cont.	7,282.43	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			
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
Transwestern Pipeline Company, LLC
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)	LNAPL 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			
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

Table 1

**Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-16B Cont.	7,288.82	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
		04/19/18	---	58.47	---	7230.35
		04/16/19	---	57.80	---	7231.02
		10/03/19	---	57.47	---	7231.35
		06/16/20	---	57.56	---	7231.26
		10/07/20	---	57.58	---	7231.24
		06/03/21	---	57.05	---	7231.77
		10/14/21	---	55.84	---	7232.98
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

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-17B Cont.	7,284.75	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
		04/19/18	---	52.89	---	7231.86
		04/16/19	---	52.32	---	7232.43
		10/03/19	---	53.50	---	7231.25
		06/16/20	---	53.41	---	7231.34
		10/07/20	---	53.71	---	7231.04
		06/03/21	---	53.66	---	7231.09
		10/14/21	---	53.38	---	7231.37
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

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-18B Cont.	7,286.41	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
		04/19/18	---	62.49	---	7223.92
		04/16/19	---	61.82	---	7224.59
		10/03/19	---	64.63	---	7221.78
		06/16/20	---	61.43	---	7224.98
		10/07/20	---	61.52	---	7224.89
		06/03/21	---	61.14	---	7225.27
		10/14/21	---	60.40	---	7226.01
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
Transwestern Pipeline Company, LLC
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)	LNAPL 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
		04/19/18	---	56.90	---	7227.70
		04/16/19	---	56.29	---	7228.31
		10/03/19	---	56.73	---	7227.87
		06/16/20	---	56.06	---	7228.54
		10/07/20	---	56.10	---	7228.50
		06/03/21	---	55.81	---	7228.79
		10/14/21	---	55.25	---	7229.35

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL 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
Transwestern Pipeline Company, LLC
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)	LNAPL 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			
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

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-24B (Cont.)	7,279.18	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			
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
		04/19/18	---	60.59	---	7234.12
		04/16/19	---	60.56	---	7234.15
		10/03/19	---	60.71	---	7234.00
		06/16/20	---	60.59	---	7234.12
		10/07/20	---	57.95	---	7236.76
		06/03/21	---	Dry	---	---
		10/14/21	---	57.15	---	7237.56

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL 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	---	---
		02/10/98	---	55.79	---	7239.54
		10/11/99	57.15	57.16	0.01	-57.15
		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	---	-58.72
		09/25/11	---	57.71	---	-57.71
		06/12/12	---	58.23	---	-58.23
		07/23/13	---	58.75	---	-58.75
		04/22/14	---	58.91	---	-58.91
		04/13/15	---	58.93	---	-58.93
		04/20/16	---	59.02	---	-59.02
		03/28/17	---	58.43	---	-58.43
		05/01/17	---	58.20	---	-58.20
		06/20/17	---	58.28	---	-58.28
		09/22/17	---	58.32	---	-58.32
		04/19/18	---	57.84	---	-57.84
		04/16/19	---	57.95	---	-57.95
		10/03/19	---	58.15	---	-58.15
		06/16/20	---	57.93	---	-57.93
		10/07/20	---	57.95	---	-57.95
		06/03/21	---	51.87	---	-51.87
		10/14/21	---	57.18	---	-57.18
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

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
5-36E Cont.	7,296.56	04/19/18	---	62.00	---	7234.56
		04/16/19	---	61.98	---	7234.58
		10/03/19	---	64.14	---	7232.42
		06/16/20	---	62.02	---	7234.54
		10/07/20	---	62.00	---	7234.56
		06/03/21	---	69.89	---	7226.67
		10/14/21	---	61.19	---	7235.37
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
		04/19/18	---	59.22	---	7237.09
		04/16/19	---	59.41	---	7236.90
		10/03/19	---	59.64	---	7236.67
		06/16/20	---	59.43	---	7236.88
		10/07/20	---	59.44	---	7236.87
		06/03/21	---	59.37	---	7236.94
		10/14/21	---	58.60	---	7237.71
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			
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				

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
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	---	---		
04/19/18	---	dry	---	---		
04/16/19	---	59.72	--	7232.92		
10/03/19	---	59.77	---	7232.87		
06/16/20	---	59.66	---	7232.98		
10/07/20	---	59.65	---	7232.99		
06/03/21	---	59.15	---	7233.49		
10/14/21	---	57.08	---	7235.56		
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						

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
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
		04/19/18	---	51.53	---	7239.29
		04/16/19	---	51.51	---	7239.31
		10/03/19	---	52.42	---	7238.40
		06/16/20	---	51.38	---	7239.44
10/07/20	---	51.54	---	7239.28		
06/03/21	---	51.09	---	7239.73		
10/14/21	---	50.86	---	7239.96		
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
		04/19/18	---	52.94	---	7237.89
		04/16/19	---	52.93	---	7237.90
		10/03/19	---	53.05	---	7237.78
		06/16/20	---	52.79	---	7238.04
		06/03/21	---	52.57	---	7238.26
		10/14/21	---	52.67	---	7238.16

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
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			
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
		04/19/18	--	60.75	--	7232.93
		04/16/19	--	60.63	--	7233.05
		10/03/19	--	60.33	--	7233.35
		06/16/20	--	60.23	--	7233.45
		10/07/20	--	60.22	--	7233.46
		06/03/21	--	59.83	--	7233.85
		10/14/21	--	58.40	--	7235.28

Table 1
Summary of Groundwater Elevation Data
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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)	LNAPL Thickness (feet)	Ground Water Elevation (feet amsl)
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
		04/19/18	--	59.25	--	7230.58
		04/16/19	--	58.59	--	7231.24
		10/03/19	--	58.52	--	7231.31
AS-4	7,293.95	06/16/20	--	NM	--	---
		10/07/20	--	57.76	--	7232.07
		04/19/18	--	57.06	--	7236.89
		04/16/19	--	57.77	--	7236.18
		10/03/19	--	57.94	--	7236.01
		06/16/20	--	57.79	--	7236.16
AS-10	7,293.78	10/07/20	--	57.76	--	7236.19
		06/03/21	--	57.70	--	7236.25
		10/14/21	--	56.70	--	7237.25
		04/19/18	--	59.21	--	7234.57
		04/16/19	--	59.02	--	7234.76
		10/03/19	--	59.10	--	7234.68
AS-15	7,293.22	06/16/20	--	59.07	--	7234.71
		10/07/20	--	59.05	--	7234.73
		06/03/21	--	58.92	--	7234.86
		10/14/21	--	58.48	--	7235.30
		04/19/18	--	59.85	--	7233.37
		04/16/19	--	59.66	--	7233.56
AS-15	7,293.22	10/03/19	--	59.53	--	7233.69
		06/16/20	--	59.80	--	7233.42
		10/07/20	--	59.57	--	7233.65
		06/03/21	--	59.65	--	7233.57
		10/14/21	--	58.35	--	7234.87

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
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

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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	--	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	--	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	--	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	--	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			
	04/19/18	2.50	7.27	13.88	1659.10
	04/17/19	--	7.63	11.90	1865.00
	06/16/20	LNAPL			
	10/07/20	LNAPL			
	06/03/21	LNAPL			
	10/14/21	LNAPL			

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

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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	--	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	--	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
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

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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
	04/19/18	3.68	7.49	13.1	1457
	04/16/19	1.89	7.40	13.1	1464
	10/03/19	3.81	7.80	13.2	1469
	06/16/20	8.17	7.84	13.7	1649
	10/07/20	1.82	7.54	15.0	1266
	06/03/21	1.82	7.42	18.06	946
	10/14/21	2.59	7.63	12.63	805
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
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

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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
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

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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	--	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	3.50	7.1	13.57	1490
	04/21/16	1.98	7.31	13.50	1550
	04/20/18	2.85	8.91	11.20	2055
	04/17/19	--	7.69	11.40	1774
	10/04/19	2.06	7.88	13.72	1901
	06/17/20	3.11	8.90	12.38	2095
	10/08/20	0.86	7.60	13.70	1610
	06/03/21	1.21	7.51	13.75	1039
	10/14/21	1.30	7.77	13.42	868
5-17B	11/20/95	7.40	7.65	13.4	1525
	05/22/96	6.40	7.44	12.5	1005
	08/14/96	--	7.66	17.0	1090
	11/20/96	--	7.69	13.6	1160
	02/27/97	4.57	7.64	11.6	930
	05/21/97	--	7.64	14.2	990
	08/20/97	9.0/8.0	7.67	15.8	1335
	11/18/97	9.47	7.91	12.0	990
	02/11/98	--	7.25	10.2	910
	06/10/98	9.40	7.67	13.9	1331
	10/02/98	10.00	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	8.20	7.76	12.9	1363
	11/17/00	8.50	7.78	13.1	1385
	05/23/01	9.2/8.0	7.73	14.6	1405
	11/17/01	--	7.73	14.9	1388
	04/19/02	8.40	7.80	14.8	1401
	10/31/02	8.50	7.75	15.3	1361
	05/22/03	8.60	7.71	15.7	1383
	11/11/03	8.90	7.61	12.6	1231
	06/08/04	3.28	7.44	14.9	1529
	06/08/05	--	7.36	13.9	1816
	07/10/06	3.19	7.25	13.1	1597
	07/25/07	4.65	7.48	13.6	1557
	09/23/08	5.56	7.83	13.1	1583
	08/04/09	5.87	7.02	13.7	2005

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
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Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-18B	11/17/95	1.40	7.68	14.0	720
	02/21/96	5.60	7.76	12.2	760
	05/22/96	1.50	7.62	13.3	790
	08/14/96	2.38	8.27	14.2	1071
	11/20/96	2.30	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	2.40	7.54	13.4	1198
	11/16/00	3.80	7.52	13.0	1257
	05/24/01	3.80	7.51	15.7	1264
	11/17/01	3.80	7.51	15.4	1234
	04/20/02	2.00	7.61	14.5	1124
	10/31/02	1.00	7.56	15.5	1112
	05/22/03	1.60	7.52	15.6	1117
	11/11/03	1.91	7.45	13.0	976
	06/08/04	1.84	7.43	16.5	1171
	06/08/05	--	7.52	14.7	1198
	07/10/06	2.95	7.39	13.9	964
	07/25/07	1.31	7.59	14.8	962
	09/23/08	2.89	7.91	14.5	989
	08/04/09	1.09	7.04	15.2	1233
	05/18/10	1.65	6.78	13.2	1341
	09/25/11	2.13	7.10	13.5	1389
	06/12/12	2.06	6.97	13.5	1362
	07/23/13	2.44	6.93	14.2	1363
	04/21/14	5.40	7.11	21.0	1312
	04/13/15	2.94	7.08	13.11	1350
	04/21/16	1.44	7.42	13.0	1460
	03/28/17	No parameters due to insufficient well volume			
	04/19/18	2.27	7.60	13.8	1444
	04/17/19	--	7.53	11.7	1567
	10/04/19	3.11	8.08	13.0	1271
	06/17/20	7.42	8.29	1.9	1447
	10/08/20	1.33	7.71	13.5	1120
	06/03/21	3.48	7.60	13.77	750
	10/14/21	4.76	7.83	12.90	699.3
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	2.70	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	0.50	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	0.20	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	1.50	7.92	15.2	1019
	04/19/02	0.70	8.00	15.1	1038
	10/31/02	2.60	7.95	15.5	1051
	05/22/03	1.00	7.88	16.2	1094
	11/11/03	1.40	7.81	13.0	971
	06/08/04	1.51	7.87	15.0	1147
	11/18/14	Plugged and Abandoned			

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-20B	11/17/95	2.90	7.16	13.7	1200
	05/22/96	1.80	7.18	14.4	1120
	08/14/96	4.84	7.82	16.2	1629
	11/20/96	--	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	1.40	7.52	15.2	1260
	04/19/02	0.70	7.49	14.9	1275
	10/31/02	1.10	7.48	15.3	1292
	05/22/03	0.50	7.42	15.7	1306
	11/11/03	1.45	7.35	12.91	1149
	06/08/04	1.60	7.41	13.9	1332
	06/08/05	--	7.43	15.0	1347
	07/10/06	1.34	7.46	13.5	1030
	07/25/07	1.33	7.55	14.29	1028
	09/23/08	1.89	7.88	13.56	1032
	08/04/09	0.33	6.99	14.14	1335
	05/18/10	2.11	6.99	12.89	1419
	09/25/11	1.90	7.17	13.32	1401
	06/12/12	1.56	7.03	13.35	1390
	07/23/13	1.71	6.89	13.36	1353
	04/21/14	3.44	6.98	18.38	1213
	04/13/15	3.30	7.42	13.83	1140
	04/21/16	1.65	7.55	12.9	1240
	03/28/17	2.17	7.60	11.89	1452
	04/19/18	3.40	7.66	13.05	1229
	04/17/19	--	7.39	12.7	1382
	10/04/19	3.01	8.00	12.52	1201
	06/17/20	2.01	8.29	11.41	1347
	10/08/20	1.98	7.66	13.38	1043
	06/03/21	2.86	7.66	13.77	725.37
	10/14/21	2.09	7.75	13.13	1043
5-22B	11/15/95	6.40	7.70	12.9	990
	02/22/96	6.60	7.47	12.3	1030
	05/20/96	--	8.32	13.8	1549
	08/12/96	8.01	7.63	15.0	1100
	11/18/96	5.60	7.48	12.2	1300
	02/27/97	3.53	7.39	10.0	1180
	05/22/97	--	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	3.80	7.31	13.3	800
	05/22/96	2.60	7.66	13.0	1077
	08/13/96	5.06	8.80	15.0	780
	11/19/96	4.40	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	2.00	7.74	11.1	920
	02/10/98	1.00	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	2.10	7.72	14.0	1084
	04/19/02	1.50	7.72	15.0	1103
	05/20/03	1.20	7.71	15.6	1112
	06/08/04	1.55	7.63	14.3	1131
	11/17/14	Plugged and Abandoned			

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

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Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-24B	11/17/95	1.70	7.33	13.2	1050
	05/21/96	3.50	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	5.50	7.32	13.6	1499
	04/27/99	9.7/8.0	7.37	14.1	1501
	10/11/99	4.30	7.46	13.6	1468
	05/11/00	4.80	7.43	13.5	1454
	11/16/00	7.4/6.0	7.52	12.6	1467
	05/23/01	2.90	7.52	15.0	1475
	11/17/01	4.90	7.54	15.3	1449
	04/19/02	2.20	7.56	15.0	1426
	10/31/02	4.10	7.62	15.3	1413
	05/20/03	1.30	7.51	15.4	1397
	11/11/03	4.81	7.46	13.0	1215
	06/08/04	2.80	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
	04/19/18	2.56	7.32	15.17	1475
	04/16/19	0.66	7.25	14.78	1472
	10/03/19	0.91	7.77	13.89	1525
	06/16/20	2.53	9.66	12.71	1672
	10/07/20	0.98	7.28	17.98	1301
	06/03/21	0.56	7.16	14.80	867
	10/14/21	0.41	7.37	13.14	786
5-37I	08/15/96	1.67	8.48	17.2	1382
	11/22/96	--	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	--	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
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

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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	0.20	7.56	15.7	1239
	04/28/99	--	7.47	15.4	1261
	10/12/99	--	--	--	--
	05/12/00	--	--	--	--
	11/17/00	--	--	--	--
	05/22/01	--	--	--	--
	11/18/01	--	--	--	--
	04/20/02	0.90	7.54	15.7	1524
	10/30/02	--	--	--	--
	05/21/03	--	--	--	--
	11/11/03	--	--	--	--
5-57B	06/07/04	0.86	7.51	16.2	1550
	06/09/05	--	7.31	15.5	1530
	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
5-58B	08/18/97	0.7/2.6	7.69	14.4	1071
	Plugged and Abandoned				
	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
5-59	08/18/97	5.8/6.5	7.68	15.2	964
	Plugged and Abandoned				
	11/18/01	6.20	7.50	14.5	1430
	04/20/02	6.70	7.60	14.1	1431
	10/30/02	8.10	7.68	14.6	1437
	05/21/03	5.90	7.40	15.3	1519
	11/11/03	6.80	7.21	12.4	1295
	06/08/04	3.15	7.38	12.8	1495
	06/09/05	--	7.37	14.2	1453
	07/10/06	6.68	7.42	13.3	1112
	07/25/07	5.54	7.33	14.1	1124
	09/23/08	5.97	7.84	12.9	1143
	08/04/09	5.76	7.13	14.3	1501
	05/18/10	6.50	6.62	12.9	1555
	09/25/11	7.99	7.06	13.6	1546
	06/12/12	7.00	6.87	13.6	1573
	07/10/12	6.15	7.22	14.8	1543
	07/23/13	5.84	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
	04/20/18	6.66	7.70	11.48	1449
	04/16/19	5.15	7.38	14.04	1450
	10/03/19	No parameters due to insufficient well volume			
	06/16/20	6.33	6.83	14.28	1685.00
	10/07/20	4.54	7.55	14.54	1291.00
	06/03/21	3.48	7.33	14.13	868.00
	10/14/21	3.25	7.58	12.58	795

Table 2
Summary of Groundwater Field Parameters
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

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Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-60	11/18/01	6.50	7.67	14.5	1296
	04/20/02	6.60	7.74	14.1	1291
	10/30/02	7.40	7.67	14.9	1272
	05/21/03	7.70	7.63	15.6	1297
	11/10/03	7.47	7.72	12.4	1171
	06/07/04	3.05	7.60	13.9	1415
	06/09/05	--	7.65	12.5	1428
	07/10/06	7.42	7.40	13.3	1095
	07/25/07	6.94	7.50	13.6	1059
	09/23/08	6.80	7.87	12.9	1034
SVE-1	08/04/09	7.20	7.23	14.1	1362
	10/03/19	87.49	8.11	14.9	1355
	05/11/00	7.80	7.90	13.5	992
	11/16/00	8.00	7.85	13.6	1008
	11/18/01	8.30	7.90	15.6	1016
	04/18/02	8.30	7.96	15.7	1017
	10/30/02	8.50	7.58	16.1	1000
	05/21/03	8.50	7.80	17.7	1009
	11/10/03	8.83	7.90	14.0	904
	06/07/04	2.06	7.98	21.7	1062
SVE-3	11/18/14	Plugged and Abandoned			
	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
	04/19/18	2.61	7.34	14.71	2413
	04/17/19	--	7.00	11.90	3999*
	10/04/19	2.44	7.56	13.31	11540
	06/17/20	9.63	9.61	12.38	12733
	10/08/20	0.95	7.09	13.90	12174
	06/03/21	0.42	7.03	15.30	10583
	10/14/21	0.95	7.09	13.90	12174
AS-4	04/20/18	No parameters due to insufficient well volume			
	04/16/19	No parameters due to insufficient well volume			
	10/03/19	6.37	13.24	15.49	20239
	06/16/20	8.38	9.04	14.41	2324
	10/07/20	5.12	12.33	18.42	18598
	06/03/21	3.34	11.99	16.09	11067
	10/14/21	2.79	11.61	12.40	6531
AS-10	04/20/18	4.50	13.38	11.5	70746
	04/17/19	--	12.29	12.9	3999*
	10/03/19	No parameters due to insufficient well volume			
	06/16/20	3.32	11.77	13.46	17948
	10/07/20	2.17	12.34	14.76	10538
	06/03/21	2.84	12.14	15.09	5803
	10/14/21	2.55	12.18	12.99	4161
AS-15	04/20/18	6.25	12.84	16.09	138233
	04/17/19	--	13.32	11.40	3999*
	10/04/19	10.09	13.57	13.86	29884
	06/17/20	10.04	11.97	12.89	34057
	10/08/20	8.50	12.72	14.13	26493
	06/03/21	4.48	12.83	14.31	12979
	10/14/21	4.39	13.22	13.45	11352.0

Notes:

mg/L = milligrams per liter

°C = degrees Celsius

uS/cm = microsiemens per centimeter

-- = not measured

3999* is the max that meter can read

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
EPA NPDWR Standard		5	1000	700	10000	250
5-01B	12/01/89	< 5.0	6.3	< 5.0	NA	NA
	03/01/90	< 5.0	< 5.0	< 5.0	25	NA
	06/01/90	< 5.0	< 5.0	< 5.0	< 5.0	NA
	08/01/90	< 1	< 1	< 1	3.5	NA
	11/01/90	< 0.50	< 0.50	< 0.50	3.0	NA
	01/01/91	< 1.0	< 1.0	< 1.0	4.8	NA
	02/01/91	1.6	< 0.50	< 0.50	4.6	NA
	03/01/91	2.0	< 0.50	< 0.50	5.2	NA
	04/01/91	1.2	< 0.50	< 0.50	3.6	NA
	05/01/91	< 0.50	< 0.50	< 0.50	5.4	NA
	06/01/91	< 0.50	0.63	< 0.50	1.9	NA
	07/01/91	< 0.50	< 0.50	< 0.50	6.0	NA
	09/01/91	< 0.50	< 0.50	< 0.50	7.8	NA
	10/01/91	< 0.50	< 0.50	< 0.50	6.4	NA
	11/01/91	< 0.50	< 0.50	< 0.50	9.8	NA
	12/01/91	< 0.50	< 0.50	< 0.50	2.4	NA
	01/09/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/27/92	< 0.50	< 0.50	< 0.50	0.79	NA
	02/20/92	< 0.50	< 0.50	< 0.50	5.2	NA
	03/18/92	< 2.50	< 0.50	< 0.50	3.3	NA
	04/29/92	< 0.50	< 0.50	< 0.50	2.3	NA
	10/14/92	< 0.50	< 0.50	< 0.50	4.7	NA
	12/13/94	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/27/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/06/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/21/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/22/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/15/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/22/96	0.8	< 0.50	< 0.50	< 0.50	NA
	02/28/97	0.6	< 0.50	< 0.50	< 0.50	NA
	05/22/97	1.2	< 0.50	< 0.50	< 0.50	NA
	08/21/97	0.5	< 0.50	< 0.50	< 0.50	NA
Plugged and Abandoned						
5-01C	11/23/97	1.4	< 0.50	< 0.50	< 0.50	NA
	01/08/98	2.0	< 0.50	< 0.50	< 0.50	NA
	02/12/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/11/98	6.5	< 0.50	< 0.50	< 0.50	NA
	10/02/98	5.2	< 0.50	< 0.50	< 0.50	NA
	04/29/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/14/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/12/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	11/17/00	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/22/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	11/19/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/20/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/30/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/10/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/07/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/05	< 0.50	< 0.50	< 0.50	< 0.50	NA
	07/11/06	< 1.0	< 1.0	< 1.0	< 3.0	NA
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0	NA
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0	NA

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-02B	05/01/89	1800	2000	< 200	NA	NA
	08/01/89	2500	4700	< 500	NA	NA
	11/01/89	1800	3100	250	NA	NA
	03/01/90	2300	3800	< 250	2400	NA
	06/01/90	1900	3100	< 250	2300	NA
	08/01/90	1400	2300	180	1700	NA
	11/01/90	1500	2400	230	1900	NA
	01/01/91	600	730	110	940	NA
	02/01/91	460	580	75	600	NA
	03/01/91	2400	3300	290	2600	NA
	04/01/91	830	1200	110	920	NA
	05/01/91	830	1200	150	1300	NA
	06/01/91	5.1	7.0	0.57	4.7	NA
	07/01/91	400	600	49	420	NA
	09/01/91	510	750	57	530	NA
	10/01/91	290	450	37	310	NA
	11/01/91	740	1200	97	950	NA
	12/01/91	330	580	31	320	NA
	01/09/92	360	710	52	480	NA
	01/28/92	420	810	64	560	NA
	02/20/92	890	1600	140	1200	NA
	03/19/92	910	2100	170	1700	NA
	04/29/92	1700	3800	240	2200	NA
	10/14/92	800	700	74	640	NA
	04/22/93	120	< 0.50	11	38	NA
	12/09/94	2100	2600	220	1800	NA
	06/26/95	1200	2700	130	1200	NA
	10/06/95	490	1600	66	640	NA
	11/21/95	740	2900	160	1100	NA
	02/22/96	260	1000	62	600	NA
	05/21/96	380	120	1300	1100	NA
	08/14/96	420	1200	100	880	NA
	11/21/96	660	1300	150	1600	NA
	02/28/97	260	500	90	680	NA
	11/26/14	Plugged and Abandoned				
5-02C	11/23/97	26	2.7	9.1	2.7	NA
	02/11/98	110	7.0	33	8.3	NA
	06/10/98	460	1000	120	750	NA
	10/01/98	1300	3500	230	1800	NA
	04/28/99	1500	4400	260	2500	NA
	10/13/99	1300	3900	320	3100	NA
	05/13/00	980	3400	340	3500	NA
	11/17/00	671	1000	372	3820	NA
	05/24/01	446	60	340	3406	NA
	11/17/01	587	15.2	365	3622	NA
	04/20/02	450	< 10.0	300	3100	NA
	10/31/02	330	< 5.0	230	2000	NA
	05/22/03	290	< 10.0	200	800	NA
	11/11/03	450	< 2.50	240	770	NA
	06/08/04	270	28	160	1000	NA
	06/09/05	300	< 10.0	190	1700	NA
	09/25/11	27	< 10.0	91	220	NA
	07/10/12	40	12	130	730	NA
	07/23/13	34	50	130	1200	NA
	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				
	04/19/18	< 5.0	< 5.0	23	500	< 2.5
	04/17/19	< 1.0	< 1.0	1.9	52	< 2.5
	10/03/19	Not sampled due to LNAPL presence				
	06/16/20	Not sampled due to LNAPL presence				
	10/07/20	Not sampled due to LNAPL presence				
	06/03/21	Not sampled due to LNAPL presence				
	10/14/21	Not sampled due to LNAPL presence				

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-03B	05/01/89	< 5.0	< 5.0	< 5.0	NA	NA
	11/01/89	< 5.0	< 5.0	< 5.0	NA	NA
	04/01/90	< 5.0	< 5.0	< 5.0	< 5.0	NA
	05/01/90	< 5.0	< 5.0	< 5.0	< 5.0	NA
	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0	NA
	11/01/90	< 0.50	< 0.50	< 0.50	< 1.0	NA
	01/01/91	< 0.30	< 0.30	< 0.30	< 0.60	NA
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	06/01/91	< 0.50	1.4	< 0.50	2.2	NA
	07/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	09/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	12/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/09/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/27/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	03/17/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/28/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/07/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	12/09/94	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/26/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/03/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/15/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/12/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/18/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/24/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/18/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/10/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/11/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	09/29/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/11/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/22/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/18/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/07/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
5-04B	10/01/89	< 25.0	< 25.0	< 25.0	NA	NA
	12/01/89	18	< 5.0	< 5.0	NA	NA
	01/01/90	21	< 5.0	< 5.0	NA	NA
	04/01/90	54	< 5.0	7.1	110	NA
	06/01/90	60	< 50.0	< 50	64	NA
	08/01/90	63	9.5	< 1	15	NA
	11/01/90	25	< 5.0	< 5.0	< 10	NA
	01/01/91	22	1.6	0.75	5.6	NA
	03/01/91	76	11	< 0.50	5.7	NA
	04/01/91	39	0.66	< 0.50	2.9	NA
	05/01/91	90	1.1	0.96	13	NA
	06/01/91	81	21	14	87	NA
	07/01/91	71	< 0.50	4.5	43	NA
	09/01/91	270	< 1.0	6.6	54	NA
	10/01/91	180	< 5.0	7.8	48	NA
	11/01/91	< 1.2	< 1.2	11	83	NA
	12/01/91	100	< 2.5	5.1	45	NA
	01/10/92	53	< 1.2	3.7	44	NA
	01/28/92	48	2.8	6.5	44	NA
	02/19/92	42	< 1.0	3.4	39	NA
	03/18/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/28/92	86	80	60	570	NA
	10/13/92	230	40	19	260	NA

Table 3
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Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-04B Cont.	04/21/93	170	130	26	280	NA
	12/12/94	12	2.2	3.4	3.3	NA
	12/20/94	2.7	0.7	< 0.5	1.3	NA
	01/10/95	9.8	2.3	< 0.5	2.0	NA
	03/07/95	93	1.5	6.1	1.9	NA
	06/08/95	9.4	1.4	0.6	< 0.50	NA
	06/26/95	15	< 0.5	0.7	< 0.50	NA
	10/05/95	44	1.7	3.1	< 0.50	NA
	11/17/95	9.9	1.1	0.6	< 0.50	NA
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/14/00	3	< 2.0	< 2.0	< 4.0	NA
	11/17/00	1.65	< 0.50	< 0.50	< 1.00	NA
	05/22/01	1.72	< 1.0	< 1.0	< 2.0	NA
	11/18/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/18/14	Plugged and Abandoned				
5-05B	10/01/89	< 5.0	< 5.0	8.7	NA	NA
	11/01/89	< 5.0	< 5.0	< 5.0	NA	NA
	04/01/90	< 5.0	< 5.0	< 5.0	< 5.0	NA
	06/01/90	< 5.0	< 5.0	< 5.0	< 5.0	NA
	08/01/90	2.5	< 1.0	< 1.0	4.6	NA
	11/01/90	1.4	< 0.50	< 0.50	2.9	NA
	01/01/91	< 0.50	< 0.50	< 0.50	0.56	NA
	02/01/91	49	35	7.4	56	NA
	03/01/91	12	1.2	< 0.50	< 1.0	NA
	04/01/91	1.3	< 0.50	< 0.50	< 1.0	NA
	05/01/91	4.6	< 0.50	< 0.50	< 1.0	NA
	06/01/91	3.8	< 0.50	< 0.50	< 1.0	NA
	07/01/91	0.51	< 0.50	< 0.50	< 1.0	NA
	09/01/91	3.0	< 0.50	< 0.50	< 1.0	NA
	10/01/91	0.90	< 0.50	< 0.50	< 0.50	NA
	11/01/91	1.2	< 0.50	< 0.50	< 0.50	NA
	12/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/09/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/27/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	03/17/92	53	< 0.5	11	84	NA
	04/28/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/12/92	770	110	25	160	NA
	04/21/93	38	< 0.5	2.4	3	NA
	12/12/94	150	33	16	47	NA
	06/26/95	17	0.7	1.6	0.9	NA
	10/05/95	8.2	< 0.50	0.9	< 0.50	NA
	11/17/95	5.0	< 0.50	< 0.50	< 0.50	NA
	02/20/96	0.9	< 0.50	< 0.50	< 0.50	NA
	05/21/96	1.0	< 0.50	< 0.50	< 0.50	NA
	08/14/96	0.9	< 0.50	< 0.50	< 0.50	NA
	11/20/96	3.3	1.5	< 0.50	< 0.50	NA
	02/25/97	3.0	1.4	< 0.50	0.6	NA
	10/14/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	11/17/00	0.981	< 0.500	< 0.500	< 1.00	NA
	05/22/01	1.61	< 1.0	< 1.0	< 2.0	NA
	11/18/01	7.4	< 1.0	< 1.0	< 2.0	NA
	04/18/02	5.2	< 0.50	< 0.50	< 0.50	NA
	10/30/02	3.4	< 0.50	< 0.50	< 0.50	NA
	05/21/03	2.1	0.92	1.0	2.6	NA
	11/10/03	1.8	< 0.50	< 0.50	< 0.50	NA
	06/08/04	2.5	< 0.50	0.51	1.3	NA

Table 3
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Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-06B	10/01/89	15	< 5.0	< 5.0	NA	NA
	12/01/89	7.4	35	21	NA	NA
	01/01/90	< 5.0	< 5.0	8.3	NA	NA
	04/01/90	5.3	< 5.0	< 5.0	120	NA
	06/01/90	< 5.0	< 5.0	< 5.0	19	NA
	08/01/90	< 1.0	< 1.0	1.5	36	NA
	11/01/90	1.8	< 0.50	0.5	21	NA
	01/01/91	< 1.0	< 1.0	< 1.0	31	NA
	02/01/91	12	2.5	< 0.50	21	NA
	03/01/91	2.0	< 0.50	< 0.50	5.1	NA
	04/01/91	5.2	< 0.50	< 0.50	12	NA
	05/01/91	7.7	< 0.50	< 0.50	18	NA
	06/01/91	11	2.3	< 0.50	25	NA
	07/01/91	1.5	< 0.50	< 0.50	15	NA
	09/01/91	3.5	< 0.50	< 0.50	13	NA
	10/01/91	3.1	0.62	0.77	9.3	NA
	11/01/91	1.4	< 0.50	< 0.50	6.0	NA
	11/01/91	2.3	< 0.50	< 0.50	18	NA
	12/01/91	< 0.50	< 0.50	< 0.50	5.0	NA
	01/09/92	2.3	< 0.50	< 0.50	< 0.50	NA
	01/27/92	1.3	< 0.50	< 0.50	2.6	NA
	02/20/92	1.0	< 0.50	< 0.50	1.2	NA
	03/18/92	0.9	< 0.50	< 0.50	2.3	NA
	04/29/92	1.4	< 0.50	< 0.50	3.6	NA
	10/14/92	1.0	< 0.50	< 0.50	2.8	NA
	12/14/94	4.3	< 0.50	< 0.50	0.7	NA
	06/27/95	2.2	< 0.50	< 0.50	< 0.50	NA
	10/06/95	4.6	< 0.50	< 0.50	< 0.50	NA
	11/21/95	6.2	< 0.50	< 0.50	< 0.50	NA
	02/22/96	4.3	< 0.50	< 0.50	< 0.50	NA
	04/17/96	8.9	< 0.50	< 0.50	0.5	NA
	04/17/96	9.4	< 0.50	< 0.50	< 0.50	NA
	05/21/96	1.2	< 0.50	< 0.50	< 0.50	NA
	08/15/96	2.4	< 0.50	< 0.50	< 0.50	NA
	11/22/96	0.9	< 5.0	< 5.0	< 0.50	NA
	02/28/97	0.9	< 5.0	< 5.0	< 0.50	NA
	05/22/97	0.7	< 5.0	< 5.0	< 0.50	NA
	08/20/97	0.7	< 5.0	< 5.0	< 0.50	NA
	11/23/97	1.4	0.6	< 5.0	11	NA
Plugged and Abandoned						
5-06C	12/08/98	1.0	< 0.5	< 0.5	5.7	NA
	01/08/98	1.9	< 0.5	< 0.5	3.1	NA
	02/12/98	2.2	1.4	< 0.5	1.3	NA
	06/11/98	1.2	0.6	< 0.5	< 0.5	NA
	10/02/98	1.5	1.3	< 0.5	< 0.5	NA
	04/29/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/14/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/13/00	1.0	< 2.0	< 2.0	< 4.0	NA
	11/17/00	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/22/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	11/19/01	1.19	< 1.0	< 1.0	< 2.0	NA
	04/20/02	1.1	< 0.50	< 0.50	< 0.50	NA
	10/30/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/10/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/07/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/09/05	< 0.50	< 0.50	< 0.50	< 0.50	NA
	07/11/06	< 1.0	< 1.0	< 1.0	< 3.0	NA
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0	NA
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0	NA
	05/18/10	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/25/11	< 1.0	< 1.0	< 1.0	< 2.0	NA
	06/12/12	< 1.0	< 1.0	< 1.0	< 2.0	NA
	07/23/13	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/22/14	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/13/15	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/21/16	< 1.0	< 1.0	< 1.0	< 1.5	NA
	03/28/17	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/19/18	< 1.0	< 1.0	< 1.0	< 1.5	52
	04/16/19	< 1.0	< 1.0	< 1.0	< 1.5	62
	10/03/19	< 1.0	< 1.0	< 1.0	< 1.5	60
	06/16/20	< 1.0	< 1.0	< 1.0	< 1.5	58
	10/07/20	< 1.0	< 1.0	< 1.0	< 1.5	61
	06/03/21	< 1.0	< 1.0	< 1.0	< 2.0	67
	10/14/21	< 1.0	< 1.0	< 1.0	< 1.5	64

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McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-12B	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0	NA
	11/01/90	< 0.50	< 0.50	< 0.50	< 1.0	NA
	01/01/91	1.5	4.7	0.79	3.8	NA
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	06/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	07/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/07/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/30/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/08/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/03/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/13/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/26/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/19/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/11/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/09/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	09/30/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/23/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/14	Plugged and Abandoned				NA
5-13B	08/01/90	54	13	< 1.0	330	NA
	11/01/90	61	< 10.0	< 10.0	480	NA
	01/01/91	180	17	< 5.0	310	NA
	02/01/91	270	25	< 10.0	460	NA
	03/01/91	240	< 50.0	< 50.0	480	NA
	04/01/91	430	< 0.50	< 0.50	620	NA
	05/01/91	290	< 10	< 10.0	450	NA
	06/01/91	330	0.53	< 0.50	600	NA
	07/01/91	97	0.72	< 0.50	760	NA
	10/01/91	71	< 5.0	< 5.0	510	NA
	01/08/92	150	< 25.0	< 25.0	570	NA
	05/01/92	76	8.0	< 0.5	67	NA
	10/13/92	88	8.7	< 0.5	1.5	NA
	10/05/95	0.6	2.5	0.5	1.9	NA
	11/20/95	< 0.50	< 0.50	0.6	2.0	NA
	02/21/96	1.0	0.7	< 0.50	< 0.50	NA
	05/21/96	0.7	< 0.50	< 0.50	0.8	NA
	08/13/96	1	5.4	< 0.50	< 0.50	NA
	11/21/96	1.2	6.1	< 0.50	< 0.50	NA
	02/26/97	1.5	5.9	< 0.50	2.5	NA
	05/21/97	1.1	4.3	< 0.50	0.7	NA
	08/19/97	1.2	2.9	< 0.50	0.6	NA
	11/18/97	1.3	2	< 0.50	< 0.50	NA
	02/11/98	0.9	1.5	< 0.50	< 0.50	NA
	06/09/98	0.8	0.7	< 0.50	< 0.50	NA
	09/30/98	< 0.50	1.5	< 0.50	< 0.50	NA
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	11/16/00	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/23/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/14	Plugged and Abandoned				NA

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-14B	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0	NA
	11/01/90	< 0.50	< 0.50	< 0.50	< 1.0	NA
	01/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	06/01/91	2.8	3.2	0.53	2.0	NA
	07/01/91	0.60	< 0.50	< 0.50	< 1.0	NA
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/06/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/30/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/08/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/04/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	2.6	1.5	< 0.50	NA
	08/13/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/26/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/19/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/10/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/09/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	09/30/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/24/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/22/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/14	Plugged and Abandoned				NA
5-15B	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0	NA
	11/01/90	2.1	< 0.50	< 0.50	< 1.0	NA
	01/01/91	< 0.30	< 0.30	< 0.30	1.0	NA
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	06/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	07/01/91	< 0.50	0.59	< 0.50	< 1.0	NA
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/07/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/30/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/08/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/05/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/14/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/20/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/26/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/19/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/97	0.9	< 0.50	< 0.50	0.5	NA
	02/11/98	1.5	< 0.50	1.0	1.2	NA
	06/10/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	09/30/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/28/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/12/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/24/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/22/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/18/14	Plugged and Abandoned				NA

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-16B	08/01/90	19	25	50	320	NA
	01/01/91	< 0.30	< 0.30	< 0.30	< 0.60	NA
	02/01/91	320	46	170	860	NA
	03/01/91	920	14	1.2	130	NA
	04/01/91	92	< 0.50	0.68	9.2	NA
	05/01/91	270	< 12.0	230	1100	NA
	06/01/91	450	490	460	2300	NA
	07/01/91	260	140	400	2400	NA
	09/01/91	460	320	550	3600	NA
	10/01/91	170	420	460	3200	NA
	11/01/91	180	430	330	2400	NA
	12/01/91	140	490	360	2900	NA
	01/08/92	200	500	410	3000	NA
	02/20/92	170	330	470	3200	NA
	03/18/92	53	89	400	2400	NA
	04/29/92	23	3.3	210	1000	NA
	10/13/92	5.1	2.3	12	63	NA
	04/20/93	6.5	< 0.50	14	51	NA
	10/05/95	610	5900	300	2600	NA
	11/20/95	970	7100	430	3100	NA
	02/21/96	1700	6900	340	3600	NA
	05/21/96	1500	280	6900	3500	NA
	08/15/96	670	3600	130	2400	NA
	11/21/96	460	2200	130	2500	NA
	02/27/97	250	1100	190	2000	NA
	05/22/97	130	720	110	1500	NA
	08/20/97	130	820	120	1300	NA
	11/19/97	85	730	100	1100	NA
	02/11/98	41	360	90	660	NA
	06/10/98	23	210	56	590	NA
	10/01/98	140	190	66	590	NA
	04/28/99	200	170	45	620	NA
	10/13/99	610	630	79	600	NA
	12/05/99	720	390	130	570	NA
	05/12/00	600	290	92	360	NA
	11/17/00	1360	742	213	1010	NA
	05/24/01	1240	487	174	1105	NA
	11/18/01	2330	948	356	1987	NA
	04/20/02	1800	660	230	1400	NA
	10/31/02	1300	240	170	1100	NA
	05/22/03	1300	130	180	950	NA
	11/11/03	2300	240	340	1700	NA
	06/08/04	890	< 5.0	110	260	NA
	06/08/05	1400	< 5.0	160	520	NA
	07/10/06	1600	< 20.0	150	380	NA
	07/25/07	1700	< 20.0	170	590	NA
	09/23/08	1900	< 5.0	180	600	NA
	08/04/09	1300	< 5.0	150	590	NA
	05/18/10	3800	11	340	2200	NA
	09/25/11	4400	< 20.0	350	2600	NA
	06/12/12	3300	< 50.0	230	1600	NA
	07/23/13	5100	< 50.0	390	3000	NA
	04/21/14	5000	< 50.0	360	2500	NA
	04/13/15	3200	< 50.0	240	1300	NA
	04/13/15 (DUP)	1600	< 50.0	110	610	NA
	04/21/16	2500	< 10.0	220	1100	NA
	04/20/18	3500	2.3	300	1800	8.2
	04/17/19	1900	< 20.0	150	470	8.8
	10/03/19	77	< 1.0	3.0	12	58
	06/17/20	14	< 2.0	< 2.0	< 3.0	69
	10/08/20	32	< 1.0	1.0	3.3	64
	06/03/21	81	< 1.0	< 1.0	< 2.0	130
	10/14/21	71	< 1.0	2.9	<1.5	100

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

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

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-18B	08/01/90	1100	14	< 1.0	220	NA
	11/01/90	1900	< 100.0	< 100.0	320	NA
	01/01/91	1300	< 25.0	< 25.0	170	NA
	02/01/91	970	11	< 5.0	170	NA
	03/01/91	260	1.8	< 0.50	23	NA
	04/01/91	1000	< 1.0	< 1.0	78	NA
	06/01/91	680	1.1	1.0	150	NA
	07/01/91	1500	3.0	1.5	70	NA
	10/01/91	1200	< 25.0	< 25.0	130	NA
	01/08/92	1100	< 25.0	< 25.0	88	NA
	05/01/92	790	2.7	< 0.5	36	NA
	10/13/92	820	< 0.5	1.0	36	NA
	04/22/93	360	< 0.5	0.5	2.6	NA
	10/05/95	87	8.4	9.0	26	NA
	11/17/95	240	24	22	53	NA
	02/21/96	290	54	37	110	NA
	05/21/96	390	56	1.3	50	NA
	08/14/96	400	< 0.50	53	0.9	NA
	11/21/96	210	5	48	< 0.50	NA
	02/27/97	9.4	5.2	64	1.5	NA
	05/22/97	< 0.50	4.7	88	0.8	NA
	08/19/97	1.1	4.9	110	1.5	NA
	11/17/97	0.9	6	140	1.1	NA
	02/11/98	0.9	6.4	120	1.1	NA
	06/10/98	< 0.50	6.2	64	< 0.50	NA
	09/30/98	5.6	1.3	17	1.0	NA
	04/28/99	2	< 1	< 1	2.0	NA
	10/12/99	17	< 2	5	42	NA
	05/12/00	10	< 2	12	14	NA
	11/16/00	1.93	< 0.50	< 0.50	1.60	NA
	05/24/01	2.92	< 1.0	< 1.0	< 2.0	NA
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/20/02	0.55	< 0.50	0.72	0.89	NA
	10/31/02	0.68	< 0.50	< 0.50	0.95	NA
	05/22/03	< 0.50	5.9	< 0.50	2.5	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	0.91	1.2	NA
	06/08/05	< 0.50	< 0.50	< 0.50	< 0.50	NA
	07/10/06	< 1.0	< 1.0	< 1.0	< 3.0	NA
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0	NA
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0	NA
	05/18/10	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/25/11	< 1.0	< 1.0	< 1.0	< 2.0	NA
	06/12/12	< 1.0	< 1.0	< 1.0	< 2.0	NA
	07/23/13	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/21/14	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/13/15	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/21/16	< 1.0	< 1.0	< 1.0	< 1.5	NA
	03/28/17	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/19/18	< 1.0	< 1.0	< 1.0	< 1.5	25
	04/17/19	< 1.0	< 1.0	< 1.0	< 1.5	29
	10/04/19	< 1.0	< 1.0	< 1.0	< 1.5	83
	06/17/20	< 1.0	< 1.0	< 1.0	< 1.5	53
	10/08/20	< 1.0	< 1.0	< 1.0	< 1.5	54
	06/03/21	< 1.0	< 1.0	< 1.0	< 2.0	77
	10/14/21	< 1.0	< 1.0	< 1.0	< 1.5	84

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-19B	08/01/90	190	3.5	5.8	44	NA
	11/01/90	180	11	< 10.0	< 20.0	NA
	01/01/91	150	< 0.30	0.60	15	NA
	02/01/91	200	5.8	< 2.5	14	NA
	03/01/91	200	30	180	880	NA
	04/01/91	290	< 25.0	210	880	NA
	05/01/91	240	< 0.50	0.71	21	NA
	06/01/91	290	7.5	2.2	22	NA
	07/01/91	240	< 0.50	0.58	14	NA
	10/01/91	140	< 2.5	< 2.5	12	NA
	01/08/92	240	< 5.0	< 5.0	9.0	NA
	02/20/92	150	< 2.5	< 2.5	4.2	NA
	03/19/92	140	< 0.5	< 0.50	5.9	NA
	04/29/92	190	< 0.5	< 0.50	4.3	NA
	10/13/92	130	< 0.5	< 0.50	4.4	NA
	10/05/95	1.0	0.7	< 0.50	< 0.50	NA
	11/20/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/21/96	0.9	0.8	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/14/96	0.7	0.6	< 0.50	< 0.50	NA
	11/21/96	0.9	0.6	< 0.50	< 0.50	NA
	02/27/97	1.3	1	< 0.50	0.7	NA
	05/21/97	1.2	1	< 0.50	< 0.50	NA
	08/20/97	1.7	1.3	0.6	< 0.50	NA
	11/17/97	2.5	2.0	0.9	0.7	NA
	02/11/98	2.3	1.8	0.8	0.7	NA
	06/10/98	1.5	1.4	1.5	0.6	NA
	10/01/98	7.4	3.9	1.6	2.9	NA
	04/28/99	43	< 1.0	1	3	NA
	10/12/99	13	< 2.0	< 2.0	< 4.0	NA
	05/12/00	16	< 2.0	3.0	4.0	NA
	11/17/00	1.03	< 0.50	1.88	< 1.0	NA
	05/24/01	< 1.0	< 1.0	1.17	< 2.0	NA
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/22/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/18/14	Plugged and Abandoned				
5-20B	08/01/90	58	8.0	< 1.0	51	NA
	11/01/90	180	< 5.0	< 5.0	12	NA
	01/01/91	93	14	< 1.0	23	NA
	02/01/91	280	14	< 10	46	NA
	02/01/91	110	< 5.0	< 5.0	< 5.0	NA
	03/01/91	200	< 5.0	< 5.0	< 10	NA
	04/01/91	180	< 1.0	< 1.0	19	NA
	05/01/91	160	< 5.0	< 5.0	32	NA
	06/01/91	300	1.1	< 0.50	15	NA
	07/01/91	73	1.1	1.0	24	NA
	10/01/91	57	2.2	< 1.2	11	NA
	01/08/92	31	< 1.2	< 1.2	6.7	NA
	05/01/92	55	3.9	4.9	6.2	NA
	10/12/92	52	2.7	4.4	11	NA
	04/21/93	14	< 0.50	6.1	10	NA
	10/05/95	3.2	0.7	3.5	< 0.50	NA
	11/17/95	12	2.3	< 0.50	2.6	NA
	02/21/96	2.8	1.7	2.7	2.3	NA
	05/21/96	1.7	1.3	0.8	< 0.50	NA
	08/14/96	8.1	0.7	0.8	1.5	NA
	11/20/96	7.2	0.9	1.4	< 0.50	NA
	02/27/97	12	1.3	1.8	3.3	NA
	05/22/97	2.0	0.7	0.8	0.5	NA
	08/19/97	10	1.0	1.9	1.4	NA
	11/18/97	4.3	0.8	1.1	1.1	NA
	02/11/98	< 0.5	1.3	2.3	0.5	NA
	06/09/98	15	0.8	0.7	< 0.50	NA
	10/01/98	1.5	1.4	1.5	1.3	NA

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-20B Cont.	04/28/99	< 1.0	< 1.0	1.0	< 1.0	NA
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/12/00	1.0	2.0	2.0	4.0	NA
	11/16/00	0.961	< 0.50	0.763	< 1.0	NA
	05/24/01	3.28	< 1.0	< 1.0	< 2.0	NA
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	0.86	< 0.50	< 0.50	< 0.50	NA
	10/31/02	0.76	0.70	< 0.50	< 0.50	NA
	05/22/03	1.0	0.91	< 0.50	< 0.50	NA
	11/11/03	0.5	< 0.50	< 0.50	< 0.50	NA
	06/08/04	1.1	< 0.50	< 0.50	< 0.50	NA
	06/08/05	1.0	0.53	< 0.50	< 0.50	NA
	07/12/06	1.3	< 1.0	< 1.0	< 3.0	NA
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0	NA
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0	NA
	05/18/10	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/25/11	< 1.0	< 1.0	< 1.0	< 2.0	NA
	06/12/12	< 1.0	< 1.0	< 1.0	< 2.0	NA
	07/23/13	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/21/14	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/13/15	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/21/16	< 1.0	< 1.0	< 1.0	< 1.5	NA
	03/28/17	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/19/18	< 1.0	< 1.0	< 1.0	< 1.5	77
	04/17/19	< 1.0	< 1.0	< 1.0	< 1.5	75
	10/04/19	< 1.0	< 1.0	< 1.0	< 1.5	78
	06/17/20	< 1.0	< 1.0	< 1.0	< 1.5	71
	10/08/20	< 1.0	< 1.0	< 1.0	< 1.5	72
	06/03/21	< 1.0	< 1.0	< 1.0	< 2.0	70
	10/14/21	< 1.0	< 1.0	< 1.0	< 1.5	75
5-22B	10/01/90	< 1.0	< 1.0	< 1.0	< 1.0	NA
	01/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	03/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	04/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	05/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	06/01/91	1.9	5.5	13	58	NA
	07/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	09/01/91	< 0.50	< 0.50	< 0.50	< 1.0	NA
	10/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	12/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/10/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/28/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	03/18/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/28/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/08/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	12/12/94	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/26/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/03/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/15/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/12/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/18/96	< 0.50	< 0.50	< 0.50	1.9	NA
	02/27/97	5.6	9.3	< 0.50	65	NA
	05/22/97	3.6	< 0.50	< 0.50	7.1	NA
	08/20/97	3.2	7.3	< 0.50	5.3	NA
	11/18/97	3.8	2.3	< 0.50	0.6	NA
	11/26/14	Plugged and Abandoned				
5-23B	10/01/90	5.3	< 1.0	< 1.0	< 1.0	NA
	11/01/90	5.1	< 0.50	< 0.50	< 1.0	NA
	01/01/91	3.0	< 0.50	< 0.50	< 0.60	NA
	02/01/91	6.6	< 0.50	< 0.50	< 1.0	NA
	03/01/91	8.5	< 0.50	< 0.50	1.2	NA
	04/01/91	5.0	< 0.50	< 0.50	< 1.0	NA
	05/01/91	120	< 0.50	< 0.50	7.5	NA
	06/01/91	3.8	0.55	< 0.50	5.7	NA
	07/01/91	2.0	< 0.50	< 0.50	1.3	NA

Table 3
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Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-23B Cont.	09/01/91	2.1	< 0.50	< 0.50	1.1	NA
	10/01/91	1.6	< 0.50	< 0.50	< 0.50	NA
	11/01/91	0.59	< 0.50	< 0.50	< 0.50	NA
	12/01/91	< 0.50	< 0.50	< 0.50	< 0.50	NA
	01/07/92	0.65	< 0.50	< 0.50	< 0.50	NA
	02/18/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	03/17/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/30/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/09/92	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/04/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/20/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/22/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/13/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/26/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/19/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/10/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	09/29/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/12/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/23/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/14	Plugged and Abandoned				
5-24B	10/01/90	63	< 1.0	2.0	1.6	NA
	11/01/90	100	< 5.0	< 5.0	< 10.0	NA
	01/01/91	40	0.55	0.74	< 1.0	NA
	02/01/91	150	16	< 5.0	21	NA
	03/01/91	89	9.8	< 0.50	3.5	NA
	04/01/91	230	< 1.0	< 1.0	6.3	NA
	05/01/91	4.3	< 0.50	< 0.50	1.3	NA
	06/01/91	280	0.86	0.64	13	NA
	07/01/91	130	< 0.50	< 0.50	8.7	NA
	09/01/91	250	0.54	< 0.50	12	NA
	10/01/91	140	< 2.5	< 2.5	< 2.5	NA
	11/01/91	180	< 5.0	< 5.0	< 5.0	NA
	12/01/91	180	< 5.0	< 5.0	< 5.0	NA
	01/07/92	120	< 2.5	< 2.5	< 2.5	NA
	02/18/92	140	< 2.5	< 2.5	< 2.5	NA
	03/17/92	120	< 2.5	0.8	1.4	NA
	04/30/92	100	2.1	1.4	2.2	NA
	10/13/92	1.2	< 0.50	0.8	0.8	NA
	04/21/93	< 0.5	< 0.50	0.7	1.4	NA
	10/03/95	< 0.5	< 0.50	1.0	1.0	NA
	11/17/95	1.2	0.8	0.5	1.0	NA
	02/20/96	1.3	1.0	0.7	2.0	NA
	05/21/96	< 0.5	0.9	< 0.5	0.7	NA
	08/13/96	1.2	0.6	0.7	1.3	NA
	11/19/96	0.9	< 0.50	0.6	0.8	NA
	02/26/97	0.9	0.6	1	1.8	NA
	05/21/97	0.7	< 0.50	1	1.6	NA
	08/19/97	1.2	0.5	0.9	< 5.00	NA
	11/18/97	0.6	< 0.50	0.7	1.3	NA
	02/10/98	0.5	< 0.50	0.7	< 0.50	NA
	06/09/98	< 0.50	< 0.50	< 0.50	< 0.50	NA
	09/29/98	< 0.50	0.6	< 0.50	< 0.50	NA
	04/27/99	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/11/99	< 1.0	< 2.0	< 2.0	< 4.0	NA
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	11/16/00	< 0.50	< 0.50	< 0.50	< 1.00	NA
	05/23/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.50	< 0.50	< 0.50	0.59	NA
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/17/14	Plugged and Abandoned				

Table 3
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Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-34B	01/07/92	120	< 2.5	< 2.5	< 2.5	NA
	02/18/92	140	< 2.5	< 2.5	< 2.5	NA
	03/17/92	120	< 0.50	0.8	1.4	NA
	04/30/92	100	2.1	1.4	2.2	NA
	10/13/92	1.2	< 0.50	0.8	0.8	NA
	04/21/93	< 0.50	< 0.50	0.7	1.4	NA
	12/13/94	4700	13000	460	5900	NA
5-35B	04/22/93	360	1400	130	1700	NA
	05/18/10	5700	< 100.0	310	1900	NA
	09/25/11	3700	< 100.0	170	900	NA
	06/12/12	4000	< 100.0	190	1200	NA
	07/23/13	4100	< 100.0	180	1200	NA
	04/22/14	2500	< 20.0	110	830	NA
	04/13/15	980	< 50.0	61	480	NA
	04/21/16	2100	< 100	90	780	7.3
	03/28/17	1800	< 50	< 50	490	3.4
	6/20/2017	1300	< 20	28	250	5.2
	9/22/2017	1300	8.7	25	250	2.9
	4/19/2018	1800	<20	36	300	27
	4/16/2019	2400	< 10	54	410	< 2.5
	10/3/2019	2500	< 10	59	470	< 2.5
	06/16/20	2800	< 50	66	470	< 5.0
	10/07/20	3200	< 20	120	570	4.4
	06/03/21	2500	< 5.0	68	300	6.8
	10/14/21	1900	<10	48	300	3.3
5-36E	12/14/94	620	2700	230	3300	NA
5-37I	02/22/96	640	520	24	990	NA
	04/16/96	580	300	22	600	NA
	05/21/96	590	19	340	600	NA
	07/03/96	1100	600	31	880	NA
	08/15/96	310	54	14	430	NA
	11/22/96	440	140	20	520	NA
5-41B	10/09/92	47	3.9	0.7	1.0	NA
	04/20/93	1.4	< 0.50	2.5	2.1	NA
	10/04/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/13/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/25/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
5-47B	08/18/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/26/14	Plugged and Abandoned				
	10/07/92	1.0	< 0.50	< 0.50	< 0.50	NA
	04/20/93	2.9	< 0.50	< 0.50	< 0.50	NA
	10/04/95	7.2	2.0	0.6	4.6	NA
	11/15/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/13/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/26/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/18/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
Plugged and Abandoned						

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McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-48B	10/12/92	380	1100	84	840	NA
	04/21/93	99	390	34	360	NA
	10/05/95	550	940	290	1900	NA
	11/20/95	820	1700	390	2600	NA
	02/21/96	690	1100	550	3300	NA
	04/16/96	600	1700	420	3100	NA
	05/21/96	620	480	3600	3600	NA
	07/03/96	670	5100	410	3500	NA
	08/14/96	770	7600	340	3900	NA
	11/21/96	960	8500	330	3900	NA
	02/27/97	1100	10000	430	4700	NA
	05/22/97	1100	8000	450	4400	NA
	08/20/97	1200	7000	440	4200	NA
	11/19/97	1400	6900	330	3900	NA
	12/09/97	1800	7700	430	4700	NA
	01/08/98	1600	7600	440	4100	NA
	02/11/98	2100	8000	460	4600	NA
	06/11/98	2100	8000	200	3800	NA
	10/01/98	2100	6100	420	4300	NA
	04/28/99	1700	4400	140	3100	NA
	10/12/99	1000	1900	320	2900	NA
	05/12/00	1400	680	270	2200	NA
	11/17/00	860	157	259	2360	NA
	05/22/01	683	194	28.8	1703	NA
	11/18/01	841	24.3	241	1893	NA
	04/20/02	1100	23	190	1700	NA
	10/30/02	5600	51	350	3100	NA
	05/21/03	2100	< 50.0	320	2700	NA
	11/11/03	4100	< 25.0	520	4700	NA
	06/07/04	3400	38	420	3200	NA
	06/09/05	2500	< 25.0	200	1500	NA
5-57B	04/19/93	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/04/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/15/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/12/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/08/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/25/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/18/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
Plugged and Abandoned						
5-58B	04/19/93	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/04/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/16/95	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/19/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/12/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/18/96	< 0.50	< 0.50	< 0.50	< 0.50	NA
	02/25/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/20/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
	08/18/97	< 0.50	< 0.50	< 0.50	< 0.50	NA
Plugged and Abandoned						

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-59	07/28/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	11/19/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/20/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/30/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/09/05	< 0.50	< 0.50	< 0.50	< 0.50	NA
	07/11/06	< 1.0	< 1.0	< 1.0	< 3.0	NA
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0	NA
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0	NA
	05/18/10	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/25/11	< 1.0	< 1.0	< 1.0	< 2.0	NA
	06/12/12	< 1.0	< 1.0	< 1.0	< 2.0	NA
	07/23/13	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/22/14	< 1.0	< 1.0	< 1.0	< 5.9	NA
	04/13/15	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/21/16	< 1.0	< 1.0	< 1.0	< 1.5	NA
	03/28/17	< 1.0	< 1.0	< 1.0	< 1.5	NA
	04/20/18	< 1.0	< 1.0	< 1.0	< 1.5	60
	04/16/19	< 1.0	< 1.0	< 1.0	< 1.5	64
	10/03/19	< 1.0	< 1.0	< 1.0	< 1.5	66
5-60	06/16/20	< 1.0	< 1.0	< 1.0	< 1.5	66
	10/07/20	< 1.0	< 1.0	< 1.0	< 1.5	67
	06/03/21	< 1.0	< 1.0	< 1.0	< 2.0	68
	10/14/21	< 1.0	< 1.0	< 1.0	< 1.5	61
	11/18/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/20/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/21/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
SVE-1	06/09/05	< 0.50	< 0.50	< 0.50	< 0.50	NA
	07/11/06	< 1.0	< 1.0	< 1.0	< 3.0	NA
	07/25/07	< 1.0	< 1.0	< 1.0	< 2.0	NA
	09/23/08	< 1.0	< 1.0	< 1.0	< 2.0	NA
	08/04/09	< 1.0	< 1.0	< 1.0	< 2.0	NA
	10/03/19	< 1.0	< 1.0	< 1.0	< 1.5	61
	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	11/16/00	< 0.50	< 0.50	< 0.50	< 1.0	NA
SVE-3	11/18/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/18/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	10/31/02	< 0.50	< 0.50	< 0.50	< 0.50	NA
	05/22/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/11/03	< 0.50	< 0.50	< 0.50	< 0.50	NA
	06/08/04	< 0.50	< 0.50	< 0.50	< 0.50	NA
	11/18/14	Plugged and Abandoned				
	05/18/10	6300	< 50.0	430	3900	NA
SVE-3	09/25/11	6300	< 100.0	380	3300	NA
	06/12/12	5400	< 100.0	240	3500	NA
	07/23/13	6200	< 100.0	280	2700	NA
	04/22/14	6800	< 50.0	280	1900	NA
	04/13/15	5600	< 100.0	250	1400	NA
	04/21/16	4200	< 10	220	830	< 2.5
	03/28/17	4300	< 20	160	2900	< 0.50
	6/20/17	5700	< 20	270	4600	0.67
	9/22/17	3400	< 8	120	2200	< 2.5
	4/19/2018	3700	< 20	140	390	31
	4/17/2019	3500	< 20	160	210	2400
	10/4/2019	3100	< 20	210	250	6400
	6/17/2020	3700	< 20	310	260	5400
	10/8/2020	4100	< 20	340	280	8000
	06/03/21	3800	< 5.0	330	230	9000
	10/14/21	3800	<10	400	270	8700

Table 3
Summary of Analytical Results for BTEX
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
AS-4	4/20/2018	< 5.0	< 5.0	< 5.0	< 7.5	23000
	4/16/2019	8.4	1.6	< 1.0	5.4	34000
	10/3/2019	23	5.4	1.2	9.4	12000
	6/16/2020	20	7.3	< 2.0	11	530
	10/7/2020	21	8.2	1.5	16	6900
	06/03/21	5.3	1.7	< 1.0	4.6	5200
	10/14/21	3.1	1.1	<1.0	2.4	1200
AS-10	4/20/2018	120	53	<5.0	35	34000
	4/17/2019	380	320	33	290	18000
	10/3/2019	200	170	13	52	11000
	6/16/2020	330	320	32	220	8700
	10/7/2020	400	380	39	300	4900
	06/03/21	400	400	38	290	3300
	10/14/21	210	200	17	130	1900
AS-15	4/20/2018	< 10	< 10	< 10	< 15	20000
	4/17/2019	39	< 5	< 5	< 10	29000
	10/4/2019	5.7	< 1.0	< 1.0	< 1.5	3500
	6/17/2020	120	12	1.6	16	16000
	10/8/2020	650	93	23	230	7000
	06/03/21	900	53	27	250	5500
	10/14/2021	630	26	9.2	93	5200

Notes:

ug/L = micrograms per liter

EPA = Environmental Protection Agency

NPDWR = National Primary Drinking Water Regulation

NA = Not Analyzed

< x = concentration below laboratory detection limit of x

Bold = exceeds NPDWR standard

LNAPL = light non-aqueous phase liquid

Table 4
Summary of Analytical Results for PCBs
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Page 1 of 4

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
EPA NPDWR 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							
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

Table 4
Summary of Analytical Results for PCBs
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
EPA NPDWR Standard		0.5						
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
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Page 3 of 4

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
EPA NPDWR 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
	4/19/2018	1.3	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	4/16/2019	2.3	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	6/16/2020	2.0	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	10/7/2020	2.1	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	6/3/2021	< 0.25	< 0.25	< 0.25	3.2	< 0.25	< 0.25	< 0.25
	10/14/2021	1.5	< 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
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Page 4 of 4

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
EPA NPDWR 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
	4/20/2018	0.83	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	4/16/2019	4.0	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	10/3/2019	2.6	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	6/16/2020	3.1	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	10/7/2020	2.5	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	6/3/2021	< 0.25	< 0.25	< 0.25	4.2	< 0.25	< 0.25	< 0.25
	10/14/2021	3.5	< 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
	10/3/2019	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25

Notes:

PCB = polychlorinated biphenols

EPA NPDWR = Environmental Protection Agency National Primary Drinking Water Standard

-- = not analyzed

Bold = exceeds NPDWR standard

Table 5
Summary of Analytical Results for ISCO Monitoring
Thoreau Compressor Station No. 5
Transwestern Pipeline Company, LLC
McKinley County, New Mexico

Page 1 of 1

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)	Dissolved Manganese (mg/L)
EPA NPDWR Standard		5	1000	700	10000	250*	0.3*	NE	0.05*
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	--
	4/19/2018	3700	< 20	140	390	31	< 0.020	--	0.97
	4/17/2019	3500	< 20	160	210	2400	4.2	54	0.95
	10/4/2019	3100	< 20	210	250	6400	0.079	2.4	0.7
	6/17/2020	3700	< 20	310	260	5400	--	--	--
	10/8/2020	4100	< 20	340	280	8000	--	--	--
	6/3/2021	3800	< 5.0	330	230	9000	--	--	--
	10/14/2021	3800	<10	400	270	8700	--	--	--
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	--
	4/19/2018	1800	< 20	36	300	27	1.2	--	0.70
	4/16/2019	2400	< 10	54	410	< 2.5	7	7.7	0.63
	10/3/2019	2500	< 10	59	470	< 2.5	4.4	11	0.53
	6/16/2020	2800	< 50	66	470	< 5.0	--	--	--
	10/7/2020	3200	< 20	120	570	4.4	--	--	--
	6/3/2021	2500	< 5.0	68	300	6.8	--	--	--
	10/14/2021	1900	<10	48	300	3.3	--	--	--
AS-4	4/20/2018	<5.0	<5.0	<5.0	<7.5	23000	0.32	--	3.0
	4/16/2019	8.4	1.6	<1.0	5.4	34000	2.2	92	2.1
	10/3/2019	23	5.4	1.2	9.4	12000	0.46	18	0.25
	6/16/2020	20	7.3	< 2.0	11	530	--	--	--
	10/7/2020	21	8.2	1.5	16	6900	--	--	--
	6/3/2021	5.3	1.7	< 1.0	4.6	5200	--	--	--
	10/14/2021	3.1	1.1	<1.0	2.4	1200	--	--	--
AS-10	4/20/2018	120	53	<5.0	35	34000	0.19	--	< 0.010
	4/17/2019	380	320	33	290	18000	< 0.020	5.9	< 0.0020
	10/4/2019	200	170	13	52	11000	0.94	33	0.032
	6/16/2020	330	320	3	220	8700	--	--	--
	10/7/2020	400	380	39	300	4900	--	--	--
	6/3/2021	400	400	38	290	3300	--	--	--
	10/14/2021	210	200	17	130	1900	--	--	--
AS-15	4/20/2018	<10	< 10	< 10	< 15	20000	1	--	40
	4/17/2019	39	< 5	< 5	<1 0	29000	16	65.0	8.1
	10/4/2019	5.7	< 1.0	< 1.0	< 1.0	3500	<0.020	1.3	0.0022
	6/17/2020	120	12	1.6	16	16000	--	--	--
	10/8/2020	650	93	23	230	7000	--	--	--
	6/3/2021	900	53	27	250	5500	--	--	--
	10/14/2021	630	26	9.2	93	5200	--	--	--

Notes:

EPA NPDWR = Environmental Protection Agency National Primary Drinking Water Standard

ug/L = micrograms per liter

mg/L = milligrams per liter

< 2.5 = Below Laboratory Detection Limit of 2.5 mg/L

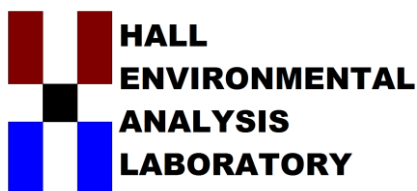
* = Indicates a EPA Secondary Drinking Water Standard

BOLD = Concentrations that exceed the groundwater quality standard

Appendices

Appendix A

Groundwater Laboratory Analytical Report



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

June 21, 2021

Christine Mathews

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX

RE: Thoreau

OrderNo.: 2106258

Dear Christine Mathews:

Hall Environmental Analysis Laboratory received 13 sample(s) on 6/3/2021 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 #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2106258

Date Reported: 6/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-060321-CN-5-6L

Project: Thoreau

Collection Date: 6/3/2021 11:00:00 AM

Lab ID: 2106258-001

Matrix: AQUEOUS

Received Date: 6/3/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Sulfate	67	5.0		mg/L	10	6/7/2021 10:18:02 AM	R78904
EPA METHOD 8082A: PCB'S							Analyst: TOM
Aroclor 1016	ND	0.25		µg/L	1	6/15/2021 11:09:49 PM	60483
Aroclor 1221	ND	0.25		µg/L	1	6/15/2021 11:09:49 PM	60483
Aroclor 1232	ND	0.25		µg/L	1	6/15/2021 11:09:49 PM	60483
Aroclor 1242	3.2	0.25		µg/L	1	6/15/2021 11:09:49 PM	60483
Aroclor 1248	ND	0.25		µg/L	1	6/15/2021 11:09:49 PM	60483
Aroclor 1254	ND	0.25		µg/L	1	6/15/2021 11:09:49 PM	60483
Aroclor 1260	ND	0.25		µg/L	1	6/15/2021 11:09:49 PM	60483
Surr: Decachlorobiphenyl	76.0	20.7-156		%Rec	1	6/15/2021 11:09:49 PM	60483
Surr: Tetrachloro-m-xylene	50.0	29.4-130		%Rec	1	6/15/2021 11:09:49 PM	60483
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	1.0		µg/L	1	6/8/2021 6:40:00 PM	R78912
Toluene	ND	1.0		µg/L	1	6/8/2021 6:40:00 PM	R78912
Ethylbenzene	ND	1.0		µg/L	1	6/8/2021 6:40:00 PM	R78912
Xylenes, Total	ND	2.0		µg/L	1	6/8/2021 6:40:00 PM	R78912
Surr: 4-Bromofluorobenzene	84.7	70-130		%Rec	1	6/8/2021 6:40:00 PM	R78912

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106258

Date Reported: 6/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-060321-CN-5-16

Project: Thoreau

Collection Date: 6/3/2021 2:30:00 PM

Lab ID: 2106258-002

Matrix: AQUEOUS

Received Date: 6/3/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Sulfate	130	5.0		mg/L	10	6/7/2021 10:42:52 AM	R78904
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	81	1.0		µg/L	1	6/8/2021 7:00:00 PM	R78912
Toluene	ND	1.0		µg/L	1	6/8/2021 7:00:00 PM	R78912
Ethylbenzene	ND	1.0		µg/L	1	6/8/2021 7:00:00 PM	R78912
Xylenes, Total	ND	2.0		µg/L	1	6/8/2021 7:00:00 PM	R78912
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	6/8/2021 7:00:00 PM	R78912

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106258

Date Reported: 6/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-060321-CN-5-18

Project: Thoreau

Collection Date: 6/3/2021 3:00:00 PM

Lab ID: 2106258-003

Matrix: AQUEOUS

Received Date: 6/3/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Sulfate	77	5.0		mg/L	10	6/7/2021 11:07:42 AM	R78904
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	1.0		µg/L	1	6/8/2021 7:20:00 PM	R78912
Toluene	ND	1.0		µg/L	1	6/8/2021 7:20:00 PM	R78912
Ethylbenzene	ND	1.0		µg/L	1	6/8/2021 7:20:00 PM	R78912
Xylenes, Total	ND	2.0		µg/L	1	6/8/2021 7:20:00 PM	R78912
Surr: 4-Bromofluorobenzene	83.7	70-130		%Rec	1	6/8/2021 7:20:00 PM	R78912

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106258

Date Reported: 6/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-060321-CN-5-20

Project: Thoreau

Collection Date: 6/3/2021 3:30:00 PM

Lab ID: 2106258-004

Matrix: AQUEOUS

Received Date: 6/3/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Sulfate	70	5.0		mg/L	10	6/7/2021 2:04:55 PM	R78904
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	1.0		µg/L	1	6/8/2021 7:40:00 PM	R78912
Toluene	ND	1.0		µg/L	1	6/8/2021 7:40:00 PM	R78912
Ethylbenzene	ND	1.0		µg/L	1	6/8/2021 7:40:00 PM	R78912
Xylenes, Total	ND	2.0		µg/L	1	6/8/2021 7:40:00 PM	R78912
Surr: 4-Bromofluorobenzene	84.5	70-130		%Rec	1	6/8/2021 7:40:00 PM	R78912

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106258

Date Reported: 6/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-060321-CN-5-35

Project: Thoreau

Collection Date: 6/3/2021 12:00:00 PM

Lab ID: 2106258-005

Matrix: AQUEOUS

Received Date: 6/3/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Sulfate	6.8	0.50		mg/L	1	6/16/2021 1:40:31 PM	R79141
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	2500	50		µg/L	50	6/8/2021 8:00:00 PM	R78912
Toluene	ND	5.0		µg/L	5	6/8/2021 8:20:00 PM	R78912
Ethylbenzene	68	5.0		µg/L	5	6/8/2021 8:20:00 PM	R78912
Xylenes, Total	300	10		µg/L	5	6/8/2021 8:20:00 PM	R78912
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	5	6/8/2021 8:20:00 PM	R78912

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106258

Date Reported: 6/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-060321-CN-5-59

Project: Thoreau

Collection Date: 6/3/2021 11:30:00 AM

Lab ID: 2106258-006

Matrix: AQUEOUS

Received Date: 6/3/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Sulfate	68	5.0		mg/L	10	6/7/2021 2:54:33 PM	R78904
EPA METHOD 8082A: PCB'S							Analyst: TOM
Aroclor 1016	ND	0.25		µg/L	1	6/15/2021 11:47:00 PM	60483
Aroclor 1221	ND	0.25		µg/L	1	6/15/2021 11:47:00 PM	60483
Aroclor 1232	ND	0.25		µg/L	1	6/15/2021 11:47:00 PM	60483
Aroclor 1242	4.2	0.25		µg/L	1	6/15/2021 11:47:00 PM	60483
Aroclor 1248	ND	0.25		µg/L	1	6/15/2021 11:47:00 PM	60483
Aroclor 1254	ND	0.25		µg/L	1	6/15/2021 11:47:00 PM	60483
Aroclor 1260	ND	0.25		µg/L	1	6/15/2021 11:47:00 PM	60483
Surr: Decachlorobiphenyl	76.0	20.7-156		%Rec	1	6/15/2021 11:47:00 PM	60483
Surr: Tetrachloro-m-xylene	47.2	29.4-130		%Rec	1	6/15/2021 11:47:00 PM	60483
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	1.0		µg/L	1	6/8/2021 9:00:00 PM	R78912
Toluene	ND	1.0		µg/L	1	6/8/2021 9:00:00 PM	R78912
Ethylbenzene	ND	1.0		µg/L	1	6/8/2021 9:00:00 PM	R78912
Xylenes, Total	ND	2.0		µg/L	1	6/8/2021 9:00:00 PM	R78912
Surr: 4-Bromofluorobenzene	83.9	70-130		%Rec	1	6/8/2021 9:00:00 PM	R78912

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106258

Date Reported: 6/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-060321-CN-SVE

Project: Thoreau

Collection Date: 6/3/2021 2:00:00 PM

Lab ID: 2106258-007

Matrix: AQUEOUS

Received Date: 6/3/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Sulfate	9000	250	*	mg/L	500	6/16/2021 1:53:24 PM	R79141
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	3800	50	P	µg/L	50	6/8/2021 10:59:00 PM	B78912
Toluene	ND	5.0	P	µg/L	5	6/8/2021 11:19:00 PM	B78912
Ethylbenzene	330	5.0	P	µg/L	5	6/8/2021 11:19:00 PM	B78912
Xylenes, Total	230	10	P	µg/L	5	6/8/2021 11:19:00 PM	B78912
Surr: 4-Bromofluorobenzene	149	70-130	SP	%Rec	5	6/8/2021 11:19:00 PM	B78912

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106258

Date Reported: 6/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-060321-CN-AS-

Project: Thoreau

Collection Date: 6/3/2021 12:30:00 PM

Lab ID: 2106258-008

Matrix: AQUEOUS

Received Date: 6/3/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Sulfate	5200	100	*	mg/L	200	6/16/2021 2:06:18 PM	R79141
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	5.3	1.0		µg/L	1	6/9/2021 12:38:00 AM	B78912
Toluene	1.7	1.0		µg/L	1	6/9/2021 12:38:00 AM	B78912
Ethylbenzene	ND	1.0		µg/L	1	6/9/2021 12:38:00 AM	B78912
Xylenes, Total	4.6	2.0		µg/L	1	6/9/2021 12:38:00 AM	B78912
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	1	6/9/2021 12:38:00 AM	B78912

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106258

Date Reported: 6/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-060321-CN-AS-

Project: Thoreau

Collection Date: 6/3/2021 1:00:00 PM

Lab ID: 2106258-009

Matrix: AQUEOUS

Received Date: 6/3/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Sulfate	3300	50	*	mg/L	100	6/7/2021 5:11:04 PM	R78904
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	400	5.0		µg/L	5	6/9/2021 12:58:00 AM	B78912
Toluene	400	5.0		µg/L	5	6/9/2021 12:58:00 AM	B78912
Ethylbenzene	38	5.0		µg/L	5	6/9/2021 12:58:00 AM	B78912
Xylenes, Total	290	10		µg/L	5	6/9/2021 12:58:00 AM	B78912
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	5	6/9/2021 12:58:00 AM	B78912

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106258

Date Reported: 6/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-060321-CN-AS-

Project: Thoreau

Collection Date: 6/3/2021 1:30:00 PM

Lab ID: 2106258-010

Matrix: AQUEOUS

Received Date: 6/3/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Sulfate	5500	100	*	mg/L	200	6/16/2021 2:19:10 PM	R79141
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	900	20	P	µg/L	20	6/9/2021 1:18:00 AM	B78912
Toluene	53	2.0	P	µg/L	2	6/9/2021 1:38:00 AM	B78912
Ethylbenzene	27	2.0	P	µg/L	2	6/9/2021 1:38:00 AM	B78912
Xylenes, Total	250	4.0	P	µg/L	2	6/9/2021 1:38:00 AM	B78912
Surr: 4-Bromofluorobenzene	92.0	70-130	P	%Rec	2	6/9/2021 1:38:00 AM	B78912

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106258

Date Reported: 6/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-060321-CN-AST

Project: Thoreau

Collection Date: 6/3/2021 3:40:00 PM

Lab ID: 2106258-011

Matrix: AQUEOUS

Received Date: 6/3/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082A: PCB'S							Analyst: TOM
Aroclor 1016	ND	0.25		µg/L	1	6/16/2021 12:24:10 AM	60483
Aroclor 1221	ND	0.25		µg/L	1	6/16/2021 12:24:10 AM	60483
Aroclor 1232	ND	0.25		µg/L	1	6/16/2021 12:24:10 AM	60483
Aroclor 1242	0.94	0.25		µg/L	1	6/16/2021 12:24:10 AM	60483
Aroclor 1248	ND	0.25		µg/L	1	6/16/2021 12:24:10 AM	60483
Aroclor 1254	ND	0.25		µg/L	1	6/16/2021 12:24:10 AM	60483
Aroclor 1260	ND	0.25		µg/L	1	6/16/2021 12:24:10 AM	60483
Surr: Decachlorobiphenyl	60.8	20.7-156		%Rec	1	6/16/2021 12:24:10 AM	60483
Surr: Tetrachloro-m-xylene	34.0	29.4-130		%Rec	1	6/16/2021 12:24:10 AM	60483

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106258

Date Reported: 6/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-060321-CN-DUP

Project: Thoreau

Collection Date: 6/3/2021

Lab ID: 2106258-012

Matrix: AQUEOUS

Received Date: 6/3/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Sulfate	8800	250	*	mg/L	500	6/16/2021 2:32:03 PM	R79141
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	3700	50	P	µg/L	50	6/9/2021 1:58:00 AM	B78912
Toluene	ND	5.0	P	µg/L	5	6/9/2021 2:18:00 AM	B78912
Ethylbenzene	320	5.0	P	µg/L	5	6/9/2021 2:18:00 AM	B78912
Xylenes, Total	220	10	P	µg/L	5	6/9/2021 2:18:00 AM	B78912
Surr: 4-Bromofluorobenzene	128	70-130	P	%Rec	5	6/9/2021 2:18:00 AM	B78912

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106258

Date Reported: 6/21/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: TRIP BLANK

Project: Thoreau

Collection Date:

Lab ID: 2106258-013

Matrix: TRIP BLANK

Received Date: 6/3/2021 4:45:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	1.0		µg/L	1	6/9/2021 2:58:00 AM	B78912
Toluene	ND	1.0		µg/L	1	6/9/2021 2:58:00 AM	B78912
Ethylbenzene	ND	1.0		µg/L	1	6/9/2021 2:58:00 AM	B78912
Xylenes, Total	ND	2.0		µg/L	1	6/9/2021 2:58:00 AM	B78912
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	6/9/2021 2:58:00 AM	B78912

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106258

21-Jun-21

Client: GHD
Project: Thoreau

Sample ID: MB	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: R78904	RunNo: 78904								
Prep Date:	Analysis Date: 6/7/2021	SeqNo: 2767748 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: R78904	RunNo: 78904								
Prep Date:	Analysis Date: 6/7/2021	SeqNo: 2767749 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	10	0.50	10.00	0	100	90	110			

Sample ID: MB	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: R79141	RunNo: 79141								
Prep Date:	Analysis Date: 6/16/2021	SeqNo: 2777913 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: R79141	RunNo: 79141								
Prep Date:	Analysis Date: 6/16/2021	SeqNo: 2777924 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.7	0.50	10.00	0	96.5	90	110			

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 Quantitative 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 Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106258

21-Jun-21

Client: GHD
Project: Thoreau

Sample ID: 100ng BTEX lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSW	Batch ID: R78912		RunNo: 78912							
Prep Date:	Analysis Date: 6/8/2021		SeqNo: 2768309		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	95.9	80	120			
Toluene	20	1.0	20.00	0	97.7	80	120			
Ethylbenzene	20	1.0	20.00	0	101	80	120			
Xylenes, Total	60	2.0	60.00	0	99.4	80	120			
Surr: 4-Bromofluorobenzene	17		20.00		84.4	70	130			

Sample ID: MB	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBW	Batch ID: R78912		RunNo: 78912							
Prep Date:	Analysis Date: 6/8/2021		SeqNo: 2768310		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	2.0								
Surr: 4-Bromofluorobenzene	17		20.00		86.6	70	130			

Sample ID: 100ng BTEX lcs2	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSW	Batch ID: B78912		RunNo: 78912							
Prep Date:	Analysis Date: 6/8/2021		SeqNo: 2769199		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	91.0	80	120			
Toluene	19	1.0	20.00	0	93.2	80	120			
Ethylbenzene	19	1.0	20.00	0	96.2	80	120			
Xylenes, Total	57	2.0	60.00	0	94.5	80	120			
Surr: 4-Bromofluorobenzene	17		20.00		84.9	70	130			

Sample ID: MB2	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBW	Batch ID: B78912		RunNo: 78912							
Prep Date:	Analysis Date: 6/8/2021		SeqNo: 2769200		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	2.0								
Surr: 4-Bromofluorobenzene	17		20.00		83.5	70	130			

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 Quantitative 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 Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106258

21-Jun-21

Client: GHD
Project: Thoreau

Sample ID: 2106258-007ams		SampType: MS		TestCode: EPA Method 8021B: Volatiles						
Client ID: GW-11209046-06032		Batch ID: B78912		RunNo: 78912						
Prep Date:		Analysis Date: 6/8/2021		SeqNo: 2769203		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3600	5.0	100.0	3769	-207	80	120			ESP
Toluene	95	5.0	100.0	0	95.3	80	120			P
Ethylbenzene	430	5.0	100.0	305.2	124	80	120			SP
Xylenes, Total	510	10	300.0	198.7	103	80	120			P
Surr: 4-Bromofluorobenzene	180		100.0		180	70	130			SP

Sample ID: 2106258-007amsd		SampType: MSD		TestCode: EPA Method 8021B: Volatiles						
Client ID: GW-11209046-06032		Batch ID: B78912		RunNo: 78912						
Prep Date:		Analysis Date: 6/8/2021		SeqNo: 2769204		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3400	5.0	100.0	3769	-369	80	120	4.67	20	ESP
Toluene	90	5.0	100.0	0	89.6	80	120	6.17	20	P
Ethylbenzene	400	5.0	100.0	305.2	90.3	80	120	8.24	20	P
Xylenes, Total	480	10	300.0	198.7	92.5	80	120	6.68	20	P
Surr: 4-Bromofluorobenzene	120		100.0		119	70	130	0	0	P

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 Quantitative 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 Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106258

21-Jun-21

Client: GHD
Project: Thoreau

Sample ID: MB-60483	SampType: MBLK	TestCode: EPA Method 8082A: PCB's								
Client ID: PBW	Batch ID: 60483	RunNo: 79066								
Prep Date: 6/8/2021	Analysis Date: 6/14/2021	SeqNo: 2774625 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	2.4		2.500		97.6	20.7	156			
Surr: Tetrachloro-m-xylene	1.1		2.500		44.8	29.4	130			

Sample ID: LCS-60483	SampType: LCS	TestCode: EPA Method 8082A: PCB's								
Client ID: LCSW	Batch ID: 60483	RunNo: 79066								
Prep Date: 6/8/2021	Analysis Date: 6/14/2021	SeqNo: 2774626 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.6	0.25	5.000	0	71.2	15	129			
Aroclor 1260	5.3	0.25	5.000	0	106	15	129			
Surr: Decachlorobiphenyl	2.6		2.500		104	20.7	156			
Surr: Tetrachloro-m-xylene	1.1		2.500		44.0	29.4	130			

Sample ID: MB-60483	SampType: MBLK	TestCode: EPA Method 8082A: PCB's								
Client ID: PBW	Batch ID: 60483	RunNo: 79066								
Prep Date: 6/8/2021	Analysis Date: 6/14/2021	SeqNo: 2774652 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	1.8		2.500		74.0	20.7	156			
Surr: Tetrachloro-m-xylene	0.97		2.500		38.8	29.4	130			

Sample ID: LCSD-60483	SampType: LCSD	TestCode: EPA Method 8082A: PCB's								
Client ID: LCSS02	Batch ID: 60483	RunNo: 79066								
Prep Date: 6/8/2021	Analysis Date: 6/14/2021	SeqNo: 2774653 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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 Quantitative 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 Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106258

21-Jun-21

Client: GHD

Project: Thoreau

Sample ID: LCSD-60483		SampType: LCSD		TestCode: EPA Method 8082A: PCB's						
Client ID: LCSS02		Batch ID: 60483		RunNo: 79066						
Prep Date: 6/8/2021		Analysis Date: 6/14/2021		SeqNo: 2774653		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	74.2	15	129	4.13	24.8	
Aroclor 1260	5.0	0.25	5.000	0	99.0	15	129	6.64	21.1	
Surr: Decachlorobiphenyl	2.3		2.500		93.6	20.7	156	0	0	
Surr: Tetrachloro-m-xylene	0.83		2.500		33.2	29.4	130	0	0	

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 Quantitative Limit

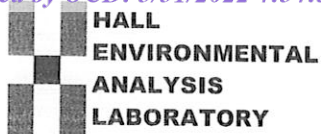
S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit



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

Sample Log-In Check List

Client Name: GHD

Work Order Number: 2106258

RcptNo: 1

Received By: Cheyenne Cason

6/3/2021 4:45:00 PM

Completed By: Sean Livingston

6/4/2021 10:20:42 AM

Reviewed By: DAD 6-4-21

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☒ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. 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: JR 6/4/21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail☐ Phone☐ Fax☐ In Person

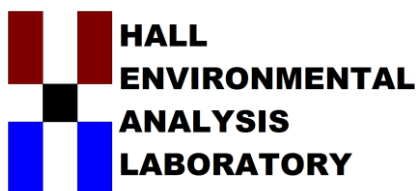
Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.2	Good				



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

October 28, 2021

Christine Mathews

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX:

RE: Thoreau

OrderNo.: 2110723

Dear Christine Mathews:

Hall Environmental Analysis Laboratory received 13 sample(s) on 10/14/2021 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 #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2110723

Date Reported: 10/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-101421-CN-5-6C

Project: Thoreau

Collection Date: 10/14/2021 10:00:00 AM

Lab ID: 2110723-001

Matrix: AQUEOUS

Received Date: 10/14/2021 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Sulfate	64	5.0		mg/L	10	10/18/2021 1:57:49 PM	R82151
EPA METHOD 8082A: PCB'S							Analyst: TOM
Aroclor 1016	1.5	0.25		µg/L	1	10/19/2021 11:24:16 PM	63368
Aroclor 1221	ND	0.25		µg/L	1	10/19/2021 11:24:16 PM	63368
Aroclor 1232	ND	0.25		µg/L	1	10/19/2021 11:24:16 PM	63368
Aroclor 1242	ND	0.25		µg/L	1	10/19/2021 11:24:16 PM	63368
Aroclor 1248	ND	0.25		µg/L	1	10/19/2021 11:24:16 PM	63368
Aroclor 1254	ND	0.25		µg/L	1	10/19/2021 11:24:16 PM	63368
Aroclor 1260	ND	0.25		µg/L	1	10/19/2021 11:24:16 PM	63368
Surr: Decachlorobiphenyl	88.8	56.7-129		%Rec	1	10/19/2021 11:24:16 PM	63368
Surr: Tetrachloro-m-xylene	52.8	15.8-94.4		%Rec	1	10/19/2021 11:24:16 PM	63368
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	10/20/2021 2:57:00 PM	R82204
Toluene	ND	1.0		µg/L	1	10/20/2021 2:57:00 PM	R82204
Ethylbenzene	ND	1.0		µg/L	1	10/20/2021 2:57:00 PM	R82204
Xylenes, Total	ND	1.5		µg/L	1	10/20/2021 2:57:00 PM	R82204
Surr: 1,2-Dichloroethane-d4	97.7	70-130		%Rec	1	10/20/2021 2:57:00 PM	R82204
Surr: 4-Bromofluorobenzene	93.7	70-130		%Rec	1	10/20/2021 2:57:00 PM	R82204
Surr: Dibromofluoromethane	98.4	70-130		%Rec	1	10/20/2021 2:57:00 PM	R82204
Surr: Toluene-d8	94.9	70-130		%Rec	1	10/20/2021 2:57:00 PM	R82204

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2110723

Date Reported: 10/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-101421-CN-5-16

Project: Thoreau

Collection Date: 10/14/2021 1:00:00 PM

Lab ID: 2110723-002

Matrix: AQUEOUS

Received Date: 10/14/2021 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Sulfate	100	5.0		mg/L	10	10/18/2021 2:22:30 PM	R82151
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	71	1.0		µg/L	1	10/20/2021 3:21:00 PM	R82204
Toluene	ND	1.0		µg/L	1	10/20/2021 3:21:00 PM	R82204
Ethylbenzene	2.9	1.0		µg/L	1	10/20/2021 3:21:00 PM	R82204
Xylenes, Total	ND	1.5		µg/L	1	10/20/2021 3:21:00 PM	R82204
Surr: 1,2-Dichloroethane-d4	98.6	70-130		%Rec	1	10/20/2021 3:21:00 PM	R82204
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	1	10/20/2021 3:21:00 PM	R82204
Surr: Dibromofluoromethane	97.2	70-130		%Rec	1	10/20/2021 3:21:00 PM	R82204
Surr: Toluene-d8	95.7	70-130		%Rec	1	10/20/2021 3:21:00 PM	R82204

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2110723

Date Reported: 10/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-101421-CN-5-18

Project: Thoreau

Collection Date: 10/14/2021 1:30:00 PM

Lab ID: 2110723-003

Matrix: AQUEOUS

Received Date: 10/14/2021 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Sulfate	84	5.0		mg/L	10	10/18/2021 2:47:12 PM	R82151
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	10/20/2021 3:44:00 PM	R82204
Toluene	ND	1.0		µg/L	1	10/20/2021 3:44:00 PM	R82204
Ethylbenzene	ND	1.0		µg/L	1	10/20/2021 3:44:00 PM	R82204
Xylenes, Total	ND	1.5		µg/L	1	10/20/2021 3:44:00 PM	R82204
Surr: 1,2-Dichloroethane-d4	99.1	70-130		%Rec	1	10/20/2021 3:44:00 PM	R82204
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	10/20/2021 3:44:00 PM	R82204
Surr: Dibromofluoromethane	101	70-130		%Rec	1	10/20/2021 3:44:00 PM	R82204
Surr: Toluene-d8	93.0	70-130		%Rec	1	10/20/2021 3:44:00 PM	R82204

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2110723

Date Reported: 10/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-101421-CN-5-20

Project: Thoreau

Collection Date: 10/14/2021 2:00:00 PM

Lab ID: 2110723-004

Matrix: AQUEOUS

Received Date: 10/14/2021 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Sulfate	75	5.0		mg/L	10	10/18/2021 3:11:55 PM	R82151
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	10/20/2021 4:07:00 PM	R82204
Toluene	ND	1.0		µg/L	1	10/20/2021 4:07:00 PM	R82204
Ethylbenzene	ND	1.0		µg/L	1	10/20/2021 4:07:00 PM	R82204
Xylenes, Total	ND	1.5		µg/L	1	10/20/2021 4:07:00 PM	R82204
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	10/20/2021 4:07:00 PM	R82204
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	10/20/2021 4:07:00 PM	R82204
Surr: Dibromofluoromethane	99.2	70-130		%Rec	1	10/20/2021 4:07:00 PM	R82204
Surr: Toluene-d8	94.3	70-130		%Rec	1	10/20/2021 4:07:00 PM	R82204

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2110723

Date Reported: 10/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-101421-CN-5-35

Project: Thoreau

Collection Date: 10/14/2021 11:00:00 AM

Lab ID: 2110723-005

Matrix: AQUEOUS

Received Date: 10/14/2021 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Sulfate	3.3	2.5		mg/L	5	10/21/2021 12:38:02 AM	A82231
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	1900	100		µg/L	100	10/20/2021 5:40:00 PM	R82204
Toluene	ND	10		µg/L	10	10/20/2021 6:04:00 PM	R82204
Ethylbenzene	48	10		µg/L	10	10/20/2021 6:04:00 PM	R82204
Xylenes, Total	300	15		µg/L	10	10/20/2021 6:04:00 PM	R82204
Surr: 1,2-Dichloroethane-d4	93.2	70-130		%Rec	10	10/20/2021 6:04:00 PM	R82204
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	10	10/20/2021 6:04:00 PM	R82204
Surr: Dibromofluoromethane	98.4	70-130		%Rec	10	10/20/2021 6:04:00 PM	R82204
Surr: Toluene-d8	94.9	70-130		%Rec	10	10/20/2021 6:04:00 PM	R82204

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2110723

Date Reported: 10/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-101421-CN-5-59

Project: Thoreau

Collection Date: 10/14/2021 10:30:00 AM

Lab ID: 2110723-006

Matrix: AQUEOUS

Received Date: 10/14/2021 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Sulfate	61	5.0		mg/L	10	10/18/2021 4:26:02 PM	R82151
EPA METHOD 8082A: PCB'S							Analyst: TOM
Aroclor 1016	3.5	0.25		µg/L	1	10/20/2021 12:01:45 AM	63368
Aroclor 1221	ND	0.25		µg/L	1	10/20/2021 12:01:45 AM	63368
Aroclor 1232	ND	0.25		µg/L	1	10/20/2021 12:01:45 AM	63368
Aroclor 1242	ND	0.25		µg/L	1	10/20/2021 12:01:45 AM	63368
Aroclor 1248	ND	0.25		µg/L	1	10/20/2021 12:01:45 AM	63368
Aroclor 1254	ND	0.25		µg/L	1	10/20/2021 12:01:45 AM	63368
Aroclor 1260	ND	0.25		µg/L	1	10/20/2021 12:01:45 AM	63368
Surr: Decachlorobiphenyl	88.8	56.7-129		%Rec	1	10/20/2021 12:01:45 AM	63368
Surr: Tetrachloro-m-xylene	60.0	15.8-94.4		%Rec	1	10/20/2021 12:01:45 AM	63368
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	10/20/2021 6:27:00 PM	R82204
Toluene	ND	1.0		µg/L	1	10/20/2021 6:27:00 PM	R82204
Ethylbenzene	ND	1.0		µg/L	1	10/20/2021 6:27:00 PM	R82204
Xylenes, Total	ND	1.5		µg/L	1	10/20/2021 6:27:00 PM	R82204
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	10/20/2021 6:27:00 PM	R82204
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	10/20/2021 6:27:00 PM	R82204
Surr: Dibromofluoromethane	98.5	70-130		%Rec	1	10/20/2021 6:27:00 PM	R82204
Surr: Toluene-d8	94.8	70-130		%Rec	1	10/20/2021 6:27:00 PM	R82204

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2110723

Date Reported: 10/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-101421-CN-SVE

Project: Thoreau

Collection Date: 10/14/2021 12:30:00 PM

Lab ID: 2110723-007

Matrix: AQUEOUS

Received Date: 10/14/2021 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Sulfate	8700	250	*	mg/L	500	10/21/2021 12:50:27 AM	A82231
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	3800	100	P	µg/L	100	10/20/2021 6:50:00 PM	R82204
Toluene	ND	10	P	µg/L	10	10/20/2021 7:14:00 PM	R82204
Ethylbenzene	400	10	P	µg/L	10	10/20/2021 7:14:00 PM	R82204
Xylenes, Total	270	15	P	µg/L	10	10/20/2021 7:14:00 PM	R82204
Surr: 1,2-Dichloroethane-d4	95.5	70-130	P	%Rec	10	10/20/2021 7:14:00 PM	R82204
Surr: 4-Bromofluorobenzene	95.7	70-130	P	%Rec	10	10/20/2021 7:14:00 PM	R82204
Surr: Dibromofluoromethane	99.3	70-130	P	%Rec	10	10/20/2021 7:14:00 PM	R82204
Surr: Toluene-d8	100	70-130	P	%Rec	10	10/20/2021 7:14:00 PM	R82204

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2110723

Date Reported: 10/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-101421-CN-AS-

Project: Thoreau

Collection Date: 10/14/2021 11:20:00 AM

Lab ID: 2110723-008

Matrix: AQUEOUS

Received Date: 10/14/2021 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Sulfate	1200	50	*	mg/L	100	10/18/2021 5:27:49 PM	R82151
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	3.1	1.0		µg/L	1	10/20/2021 7:37:00 PM	R82204
Toluene	1.1	1.0		µg/L	1	10/20/2021 7:37:00 PM	R82204
Ethylbenzene	ND	1.0		µg/L	1	10/20/2021 7:37:00 PM	R82204
Xylenes, Total	2.4	1.5		µg/L	1	10/20/2021 7:37:00 PM	R82204
Surr: 1,2-Dichloroethane-d4	94.6	70-130		%Rec	1	10/20/2021 7:37:00 PM	R82204
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	1	10/20/2021 7:37:00 PM	R82204
Surr: Dibromofluoromethane	96.6	70-130		%Rec	1	10/20/2021 7:37:00 PM	R82204
Surr: Toluene-d8	94.8	70-130		%Rec	1	10/20/2021 7:37:00 PM	R82204

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2110723

Date Reported: 10/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-101421-CN-AS-

Project: Thoreau

Collection Date: 10/14/2021 11:40:00 AM

Lab ID: 2110723-009

Matrix: AQUEOUS

Received Date: 10/14/2021 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Sulfate	1900	50	*	mg/L	100	10/18/2021 5:52:32 PM	R82151
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	210	10		µg/L	10	10/20/2021 8:00:00 PM	R82204
Toluene	200	10		µg/L	10	10/20/2021 8:00:00 PM	R82204
Ethylbenzene	17	10		µg/L	10	10/20/2021 8:00:00 PM	R82204
Xylenes, Total	130	15		µg/L	10	10/20/2021 8:00:00 PM	R82204
Surr: 1,2-Dichloroethane-d4	92.9	70-130		%Rec	10	10/20/2021 8:00:00 PM	R82204
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	10	10/20/2021 8:00:00 PM	R82204
Surr: Dibromofluoromethane	93.6	70-130		%Rec	10	10/20/2021 8:00:00 PM	R82204
Surr: Toluene-d8	94.3	70-130		%Rec	10	10/20/2021 8:00:00 PM	R82204

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2110723

Date Reported: 10/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-101421-CN-AS-

Project: Thoreau

Collection Date: 10/14/2021 12:00:00 PM

Lab ID: 2110723-010

Matrix: AQUEOUS

Received Date: 10/14/2021 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Sulfate	5200	100	*	mg/L	200	10/21/2021 1:02:52 AM	A82231
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	630	20	P	µg/L	20	10/20/2021 8:23:00 PM	R82204
Toluene	26	2.0	P	µg/L	2	10/20/2021 8:47:00 PM	R82204
Ethylbenzene	9.2	2.0	P	µg/L	2	10/20/2021 8:47:00 PM	R82204
Xylenes, Total	93	3.0	P	µg/L	2	10/20/2021 8:47:00 PM	R82204
Surr: 1,2-Dichloroethane-d4	98.8	70-130	P	%Rec	2	10/20/2021 8:47:00 PM	R82204
Surr: 4-Bromofluorobenzene	96.4	70-130	P	%Rec	2	10/20/2021 8:47:00 PM	R82204
Surr: Dibromofluoromethane	95.5	70-130	P	%Rec	2	10/20/2021 8:47:00 PM	R82204
Surr: Toluene-d8	95.6	70-130	P	%Rec	2	10/20/2021 8:47:00 PM	R82204

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2110723

Date Reported: 10/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-101421-CN-Tank

Project: Thoreau

Collection Date: 10/14/2021 2:20:00 PM

Lab ID: 2110723-011

Matrix: AQUEOUS

Received Date: 10/14/2021 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082A: PCB'S							Analyst: TOM
Aroclor 1016	ND	0.25		µg/L	1	10/20/2021 12:39:13 AM	63368
Aroclor 1221	ND	0.25		µg/L	1	10/20/2021 12:39:13 AM	63368
Aroclor 1232	ND	0.25		µg/L	1	10/20/2021 12:39:13 AM	63368
Aroclor 1242	ND	0.25		µg/L	1	10/20/2021 12:39:13 AM	63368
Aroclor 1248	ND	0.25		µg/L	1	10/20/2021 12:39:13 AM	63368
Aroclor 1254	ND	0.25		µg/L	1	10/20/2021 12:39:13 AM	63368
Aroclor 1260	ND	0.25		µg/L	1	10/20/2021 12:39:13 AM	63368
Surr: Decachlorobiphenyl	89.6	56.7-129		%Rec	1	10/20/2021 12:39:13 AM	63368
Surr: Tetrachloro-m-xylene	41.6	15.8-94.4		%Rec	1	10/20/2021 12:39:13 AM	63368

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2110723

Date Reported: 10/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-11209046-101421-CN-DUP

Project: Thoreau

Collection Date: 10/14/2021

Lab ID: 2110723-012

Matrix: AQUEOUS

Received Date: 10/14/2021 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Sulfate	8600	250	*	mg/L	500	10/21/2021 1:15:17 AM	A82231
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	4000	100	P	µg/L	100	10/20/2021 9:10:00 PM	R82204
Toluene	ND	10	P	µg/L	10	10/20/2021 9:33:00 PM	R82204
Ethylbenzene	330	10	P	µg/L	10	10/20/2021 9:33:00 PM	R82204
Xylenes, Total	210	15	P	µg/L	10	10/20/2021 9:33:00 PM	R82204
Surr: 1,2-Dichloroethane-d4	101	70-130	P	%Rec	10	10/20/2021 9:33:00 PM	R82204
Surr: 4-Bromofluorobenzene	96.4	70-130	P	%Rec	10	10/20/2021 9:33:00 PM	R82204
Surr: Dibromofluoromethane	98.0	70-130	P	%Rec	10	10/20/2021 9:33:00 PM	R82204
Surr: Toluene-d8	98.8	70-130	P	%Rec	10	10/20/2021 9:33:00 PM	R82204

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2110723

Date Reported: 10/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: TRIP BLANK

Project: Thoreau

Collection Date:

Lab ID: 2110723-013

Matrix: TRIP BLANK

Received Date: 10/14/2021 2:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	10/20/2021 9:56:00 PM	R82204
Toluene	ND	1.0		µg/L	1	10/20/2021 9:56:00 PM	R82204
Ethylbenzene	ND	1.0		µg/L	1	10/20/2021 9:56:00 PM	R82204
Xylenes, Total	ND	1.5		µg/L	1	10/20/2021 9:56:00 PM	R82204
Surr: 1,2-Dichloroethane-d4	96.4	70-130		%Rec	1	10/20/2021 9:56:00 PM	R82204
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	10/20/2021 9:56:00 PM	R82204
Surr: Dibromofluoromethane	97.2	70-130		%Rec	1	10/20/2021 9:56:00 PM	R82204
Surr: Toluene-d8	93.3	70-130		%Rec	1	10/20/2021 9:56:00 PM	R82204

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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110723

28-Oct-21

Client: GHD
Project: Thoreau

Sample ID: MB	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: R82151	RunNo: 82151								
Prep Date:	Analysis Date: 10/18/2021	SeqNo: 2910752 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: R82151	RunNo: 82151								
Prep Date:	Analysis Date: 10/18/2021	SeqNo: 2910758 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.5	0.50	10.00	0	94.6	90	110			

Sample ID: MB	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: A82231	RunNo: 82231								
Prep Date:	Analysis Date: 10/20/2021	SeqNo: 2914478 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: A82231	RunNo: 82231								
Prep Date:	Analysis Date: 10/20/2021	SeqNo: 2914479 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.9	0.50	10.00	0	99.4	90	110			

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 Quantitative 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 Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110723

28-Oct-21

Client: GHD
Project: Thoreau

Sample ID: MB-63368	SampType: MBLK	TestCode: EPA Method 8082A: PCB's								
Client ID: PBW	Batch ID: 63368	RunNo: 82183								
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2912199 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		98.0	56.7	129			
Surr: Tetrachloro-m-xylene	1.3		2.500		53.6	15.8	94.4			

Sample ID: MB-63368	SampType: MBLK	TestCode: EPA Method 8082A: PCB's								
Client ID: PBW	Batch ID: 63368	RunNo: 82183								
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2912200 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	2.3		2.500		91.2	56.7	129			
Surr: Tetrachloro-m-xylene	1.2		2.500		48.8	15.8	94.4			

Sample ID: LCS-63368	SampType: LCS	TestCode: EPA Method 8082A: PCB's								
Client ID: LCSW	Batch ID: 63368	RunNo: 82183								
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2912201 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.3	0.25	5.000	0	65.0	26.8	102			
Aroclor 1260	4.6	0.25	5.000	0	92.4	45.1	130			
Surr: Decachlorobiphenyl	2.3		2.500		91.6	56.7	129			
Surr: Tetrachloro-m-xylene	1.3		2.500		53.2	15.8	94.4			

Sample ID: LCSD-63368	SampType: LCSD	TestCode: EPA Method 8082A: PCB's								
Client ID: LCSS02	Batch ID: 63368	RunNo: 82183								
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2912202 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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 Quantitative 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 Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110723

28-Oct-21

Client: GHD
Project: Thoreau

Sample ID: LCSD-63368		SampType: LCSD		TestCode: EPA Method 8082A: PCB's						
Client ID: LCSS02		Batch ID: 63368		RunNo: 82183						
Prep Date: 10/18/2021		Analysis Date: 10/19/2021		SeqNo: 2912202		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.6	0.25	5.000	0	72.8	26.8	102	11.3	39.9	
Aroclor 1260	4.9	0.25	5.000	0	97.4	45.1	130	5.27	19.8	
Surr: Decachlorobiphenyl	2.3		2.500		91.2	56.7	129	0	0	
Surr: Tetrachloro-m-xylene	1.3		2.500		51.2	15.8	94.4	0	0	

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 Quantitative 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 Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110723

28-Oct-21

Client: GHD
Project: Thoreau

Sample ID: 100ng 8260 lcs	SampType: LCS			TestCode: EPA Method 8260: Volatiles Short List						
Client ID: LCSW	Batch ID: R82204			RunNo: 82204						
Prep Date:	Analysis Date: 10/20/2021			SeqNo: 2914204		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	104	70	130			
Toluene	20	1.0	20.00	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		97.3	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		96.1	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.0	70	130			
Surr: Toluene-d8	9.7		10.00		96.9	70	130			

Sample ID: mb	SampType: MBLK			TestCode: EPA Method 8260: Volatiles Short List						
Client ID: PBW	Batch ID: R82204			RunNo: 82204						
Prep Date:	Analysis Date: 10/20/2021			SeqNo: 2914205		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		99.7	70	130			
Surr: 4-Bromofluorobenzene	9.5		10.00		95.4	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.9	70	130			
Surr: Toluene-d8	9.5		10.00		94.5	70	130			

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 Quantitative 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 Limit

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

Sample Log-In Check List

Client Name: GHD

Work Order Number: 2110723

RcptNo: 1

Received By: Sean Livingston

10/14/2021 2:20:00 PM

Completed By: Isaiah Ortiz

10/14/2021 4:06:21 PM

Reviewed By:

Ja 10/15/21

Sean Livingston
I-Ortiz

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☒ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. 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: KPG 10/15/21

Special Handling (if applicable)

15. 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: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.4	Good	Not Present			



District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 95058

CONDITIONS

Operator: Transwestern Pipeline Company, LLC 8501 Jefferson NE Ave Albuquerque, NM 87113	OGRID: 329750
	Action Number: 95058
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of the 2021 Annual Groundwater Monitoring Report: Content satisfactory 1. Continue with the 2022 recommendations as stated within the 2021 annual groundwater monitoring report 2. Submit next Annual Monitoring Report to the OCD no later than March 31, 2023.	11/21/2022