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**Your ref:** New Mexico Oil Conservation Division AP-102  
**Our ref:** 12603931-Antonio-1

**June 5, 2023**

**Mr. Patrick Antonio**  
**Navajo Nation Environmental Protection Agency**  
**Building No. 2695**  
**Window Rock Boulevard**  
**Window Rock, Arizona 86515**

**2022 Annual Groundwater Monitoring Report**  
**Thoreau Compressor Station No. 5**  
**McKinley County, New Mexico**  
**New Mexico Oil Conservation Division Abatement Plan No. 102**  
**Incident No. nNAUTOFCS000709**

Mr. Antonio,

On behalf of Transwestern Pipeline Company, LLC (Transwestern), GHD Services Inc. (GHD) is submitting the 2022 Annual Groundwater Monitoring Report (Report) for the above-referenced property (Site) to the Navajo Nation Environmental Protection Agency (NNEPA). The Report summarizes activities performed at the Site during 2022 in accordance with the NNEPA and (New Mexico Oil Conservation Division) NMOCD's recommendations in response to the 2021 Annual Groundwater Monitoring Report.

Should you have any questions or comments regarding this submittal, please contact the undersigned.

Regards



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Encl. 2022 Annual Groundwater Monitoring Report  
cc: Stacy Boultinghouse, Transwestern  
Mr. Nelson Velez, NMOCD



# **2022 Annual Groundwater Monitoring Report**

**Thoreau Compressor Station No. 5  
McKinley County, New Mexico  
NMOCD AP-102  
Incident Number nNAUTOFCS000709**

Transwestern Pipeline Company

June 9, 2023

**→ The Power of Commitment**

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# 1. Introduction

This report presents the results of groundwater monitoring activities performed during 2022 by GHD Services Inc. (GHD) at the Transwestern Pipeline Company, LLC (Transwestern) Thoreau Compressor Station No. 5 (Site). The Site is located on the Navajo Nation and is approximately 1.5 miles north-northwest of Thoreau, McKinley County, New Mexico (Figure 1). Geographical coordinates for the Site are 35°25'34.55" North and 108°14'9.63" West. The Site is regulated by Navajo Nation Environmental Protection Agency (NNEPA) and the New Mexico Oil Conservation Division (NMOCD) under Abatement Plan (AP) -102 (associated with incident number nNAUTOFCS000709).

## 1.1 Background

The Site consists of an active compressor station and associated equipment. The Site has been in active assessment and remediation since 1989 in response to a Consent Decree issued by the Environmental Protection Agency (EPA). A total of 31 monitoring wells, 16 air sparge wells, and 4 soil vapor extraction (SVE) wells have been installed at the Site between 1990 and 2001, 13 of which have since been plugged. Site Detail Maps included with this report (Figures 2a and 2b) show the well locations and Site features.

In the 1980s, the EPA issued a Consent Decree to Transwestern due to the potential release of polychlorinated biphenyls (PCBs) to soils at several Transwestern facilities. Transwestern utilized synthetic lubricating oil containing Aroclor-1242 in a gas turbine at Station 8, which is upstream of the Site. EPA asserted that PCBs that entered the pipeline during the period Aroclor-1242 was used may have impacted downstream Transwestern facilities. The potential releases of PCBs at the Site may have occurred from natural gas condensate liquid waste generated during pipeline cleaning (pigging) operations.

In March 1989, Daniel B. Stephens & Associates (DBS&A) was retained by Transwestern to investigate the hydrogeology at four compressor stations, which included the Site. The results of this investigation revealed the presence of PCBs and halogenated volatile organic compounds (VOCs) within perched groundwater present in the alluvium over the Chinle Formation (Section 1.2) approximately 55 feet beneath the Site. However, impacts to the regional water table, approximately 650 feet below ground surface (ft bgs), were not found.

The Consent Decree was terminated in late 1992 when the EPA concluded that Transwestern had met the terms and conditions. Following the termination of the Consent Decree, Transwestern began working solely with the NNEPA and the NMOCD for Site monitoring and remediation activities to address remaining impacts to the shallow alluvial aquifer.

Through these initial investigations, it was determined that the primary constituents of concern (COCs) at the Site include benzene, toluene, ethylbenzene, xylenes (BTEX), and PCBs. Active remediation to decrease concentrations of BTEX began in 1992 and continued through 2017.

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

The Phase I SVE remediation system was placed into service on December 9, 1994. This system consisted of a single ½ 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.

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.

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

GHD submitted a work plan to assess the Site for remediation by chemical oxidation to both the NNEPA and NMOCD on September 29, 2015, which was subsequently approved by both agencies. The work plan included collecting bulk samples and performing treatability testing. Based on the treatability study, in-situ chemical oxidation (ISCO) using a catalyzed sodium persulfate solution was recommended by GHD's Innovative Technology Group 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 indicated there was minimal to no connectivity between monitoring wells near the injection points.

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 were 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.

Semiannual groundwater monitoring continued in 2022. Details of 2022 field activities are discussed in this report.

## 1.2 Geology and Hydrogeology

The Site is underlain by the Chinle Formation, which 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 ft 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 at approximately 55 ft bgs. 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

GHD performed monitoring events in June and October 2022. The sampling program included gauging, collecting groundwater samples, and bailing Light Non-Aqueous Phase Liquid (LNAPL), where necessary, from the monitoring wells. Wells where LNAPL could not be removed completely were not sampled.

Nineteen wells were monitored semiannually in June and October 2022; ten of which were selected to be sampled as part of each semiannual event: 5-16B, 5-18B, 5-20B, 5-35B, 5-06C, 5-59, AS-04, AS-10, AS-15, and SVE-3. These wells were chosen based on past analytical data and delineation purposes.

### 2.1 Monitoring Well Gauging

GHD personnel measured the depth to groundwater and LNAPL thickness, if present, in the wells indicated above using an electronic oil/water interface probe (IP). The IP was cleaned with laboratory-grade soap and purified water prior to gauging each monitoring well. Depth to groundwater, LNAPL thickness/observations, and calculated groundwater elevations are summarized in Table 1.

Based on the data collected in 2022, groundwater flow is generally south-southwest and is consistent with historical data for the Site. Groundwater potentiometric surface maps for the June and October 2022 monitoring events are presented as Figures 3 and 4. The groundwater gradient was calculated at 0.052 feet per foot (ft/ft) in June and 0.050 ft/ft in October.

### 2.2 Groundwater Sampling

Following gauging during each 2022 event, GHD personnel utilized dedicated polyethylene bailers to purge a minimum of three well volumes of groundwater or until the well was dry. The wells were given time to recover prior to collecting a groundwater sample. Purge water generated during gauging and sampling events was placed into dedicated and labeled 55-gal drums as well as a 275-gal poly tote within secondary containment at the Site and allowed to evaporate. LNAPL impacted groundwater was placed into dedicated and labeled drums on-site for eventual disposal. Groundwater quality parameters of temperature, pH, oxidation reduction potential, and conductivity were collected with a field-calibrated multi-parameter groundwater quality meter and recorded on groundwater sampling forms. A summary of field parameters is presented in Table 2.

Groundwater samples collected during the semiannual events 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.

### 2.3 Quality Assurance/Quality Control

During each groundwater monitoring event, a field duplicate was collected as a quality assurance/quality control (QA/QC) sample and subsequently submitted for laboratory analysis. A trip blank was also submitted as a QA/QC sample for each groundwater monitoring event.

### 2.4 Analytical Results

The New Mexico Water Quality Control Commission (NMWQCC) mandates that groundwater quality in New Mexico be protected, and has issued groundwater quality standards in Title 20, Chapter 6, Part 2, Section 3103 of the New Mexico Administrative Code (20.6.2.3103 NMAC). However, 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; therefore, analytical results from the Site are compared to the EPA Maximum Contaminant Levels (MCLs).

The groundwater analytical results for 2022 are summarized in Tables 3, 4, and 5, and the corresponding laboratory analytical reports are included in Appendix A. Concentrations of the primary COCs for the monitoring events are presented on Figure 5. A summary of detected concentrations that exceeded their respective MCL is discussed below, by sampling event then by type of COC (VOCs, PCBs, sulfate).

LNAPL was detected in one of the ten monitoring wells (5-02C) while purging in an attempt to collect a groundwater sample during the June and October sampling events; therefore, the well was not sampled.

#### **June and October 2022**

Benzene was detected in the samples collected from five of the ten monitoring wells at concentrations that exceeded its MCLs (5-16B, 5-35B, SVE-3, AS-10, AS-15).

PCBs were detected in the samples collected from two of the ten monitoring wells at concentrations that exceeded its MCLs (5-06C, 5-59).

Sulfate was detected in the samples collected from four of the ten monitoring wells at concentrations that exceeded its MCLs (SVE-3, AS-04, AS-10, AS-15).

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.

Monitoring, SVE, and AS wells SVE-3, 5-35B, AS-4, AS-10 and AS-15 are located in the ISCO treatment area. Sulfate data indicates that the oxidant (sodium persulfate) made significant contact with AS-4, AS-10, and AS-15. Due to the flushing of freshwater in 2019, the oxidant was able to make contact with SVE-3 and benzene concentrations have decrease significantly in 2022. Benzene concentrations in AS-4 are currently below MCLs as of the end of 2022. Concentrations of benzene in AS-15 were reduced to low levels in 2018 and 2019, rebounded in 2020, but continue to show a decreasing trend through 2022. Benzene concentrations in AS-10 may have been reduced by previous ISCO events but had been rebounding from 2018 to 2020; however, have been showing a decreasing trend through 2022. Concentrations of benzene have also been decreasing in MW 5-35B.

## **4. Summary and Recommendations**

### **4.1 Summary**

The following summarizes the information and data presented in this report.

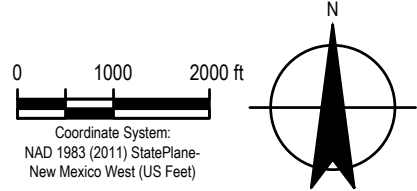
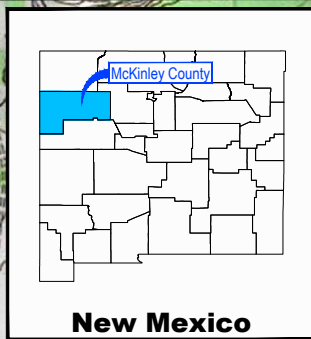
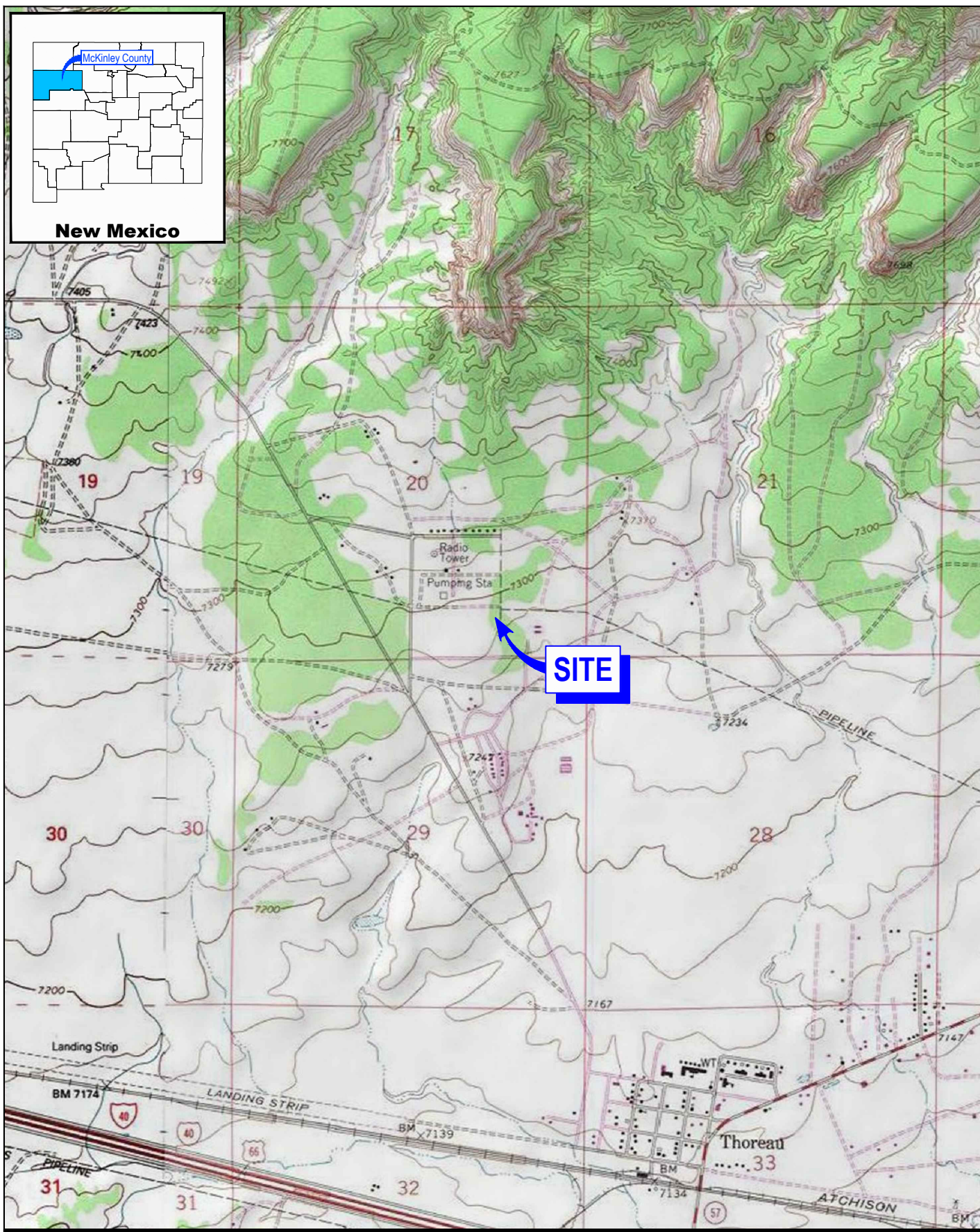
- LNAPL was observed in MW 5-02C during both 2022 monitoring events.
- Concentrations of benzene and PCBs are present in the groundwater at the Site that exceed the EPA MCLs; however, they have continued to steadily decrease.
- Concentrations of sulfate are present in the groundwater at the Site that exceed the EPA MCL, which correlate with the ISCO injection points from 2017 and wells surrounding the injection points. However, the concentrations are either decreasing or remaining generally the same as in 2021.

## 4.2 2023 Recommendations

Based on the results of the 2022 groundwater monitoring events, GHD recommends the following.

- Continue semi-annual groundwater monitoring events in 2023 on the same network of nineteen wells.
- Continue sampling monitoring well 5-48B whenever water is present to monitor conditions in SVE-3.
- Utilize hydrocarbon absorbent socks in MW 5-02C to address the presence of LNAPL.
- Review analytical data for site throughout 2023 to monitor concentrations and their trends.





Coordinate System:  
NAD 1983 (2011) StatePlane-  
New Mexico West (US Feet)



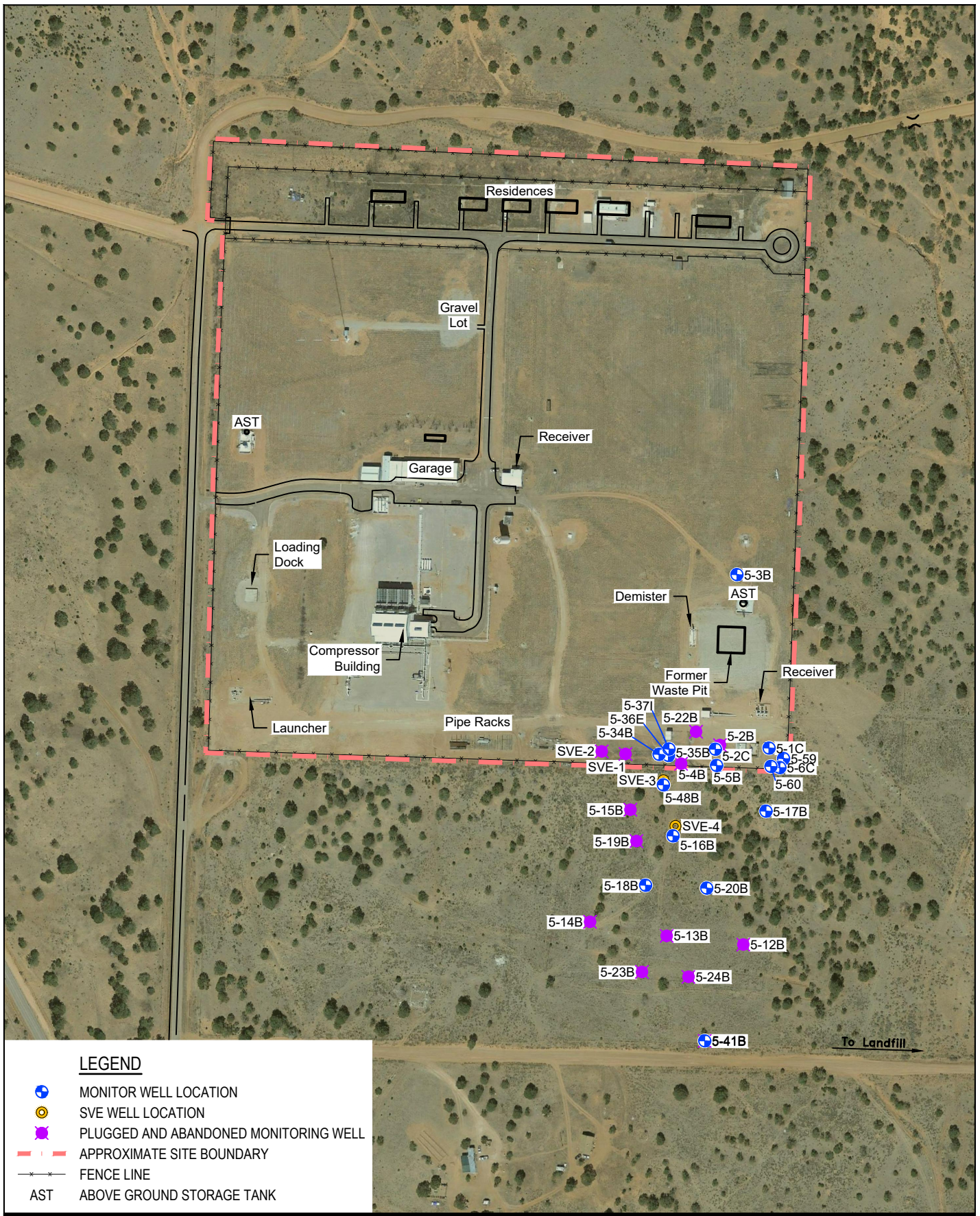
TRANSWESTERN PIPELINE COMPANY, LLC  
MCKINLEY COUNTY, NEW MEXICO  
THOREAU COMPRESSOR STATION No. 5

Project No. 12574705  
Date June 2023

SITE LOCATION MAP

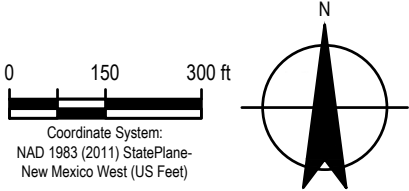
FIGURE 1





**LEGEND**

- MONITOR WELL LOCATION
- SVE WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- APPROXIMATE SITE BOUNDARY
- FENCE LINE
- AST** ABOVE GROUND STORAGE TANK



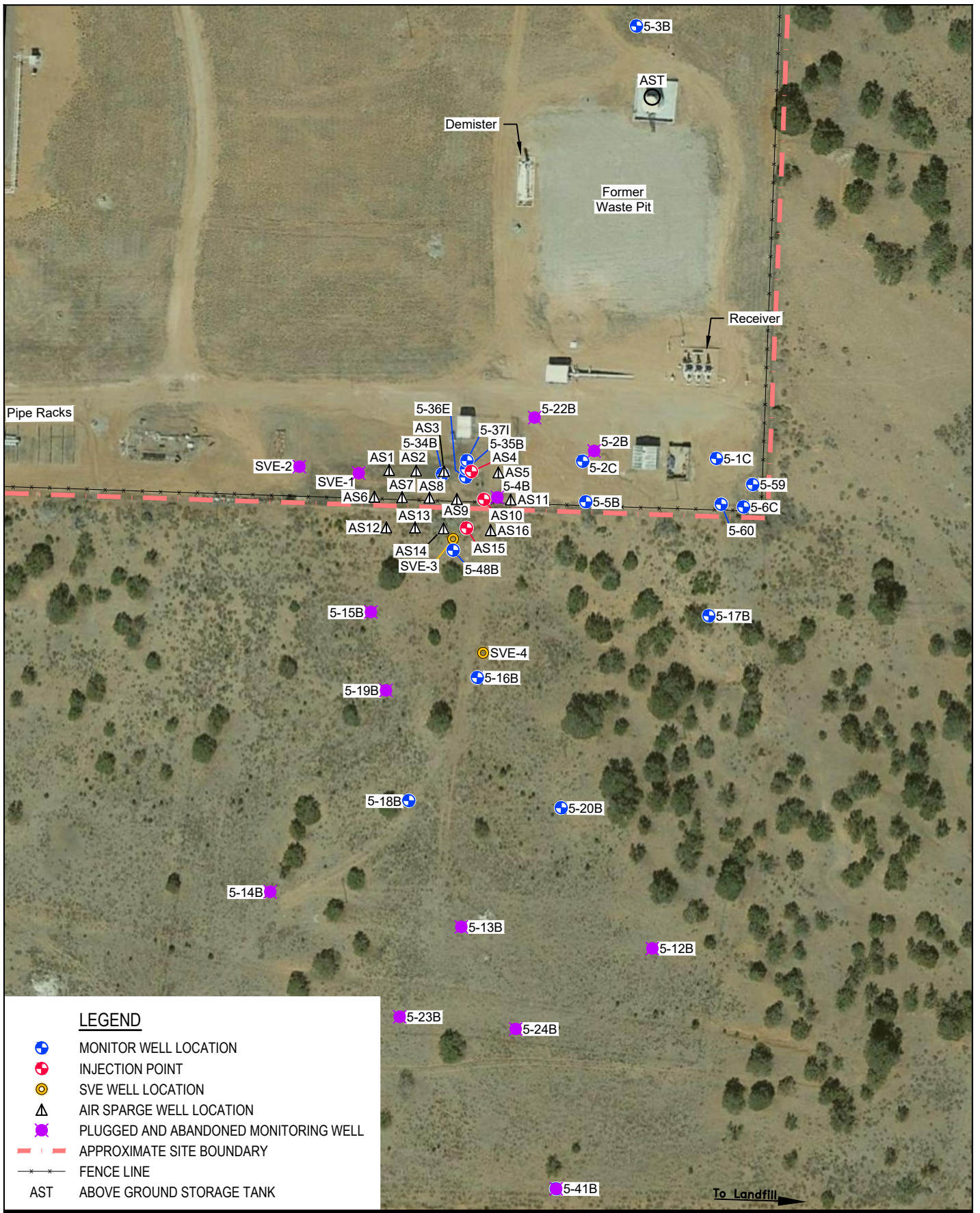
TRANSWESTERN PIPELINE COMPANY, LLC  
 MCKINLEY COUNTY, NEW MEXICO  
 THOREAU COMPRESSOR STATION No. 5

Project No. 12574705  
 Date June 2023

**SITE DETAIL MAP**

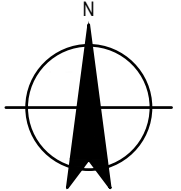
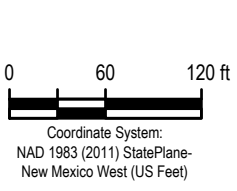
**FIGURE 2a**





**LEGEND**

- MONITOR WELL LOCATION
- INJECTION POINT
- SVE WELL LOCATION
- AIR SPARGE WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- APPROXIMATE SITE BOUNDARY
- FENCE LINE
- AST ABOVE GROUND STORAGE TANK



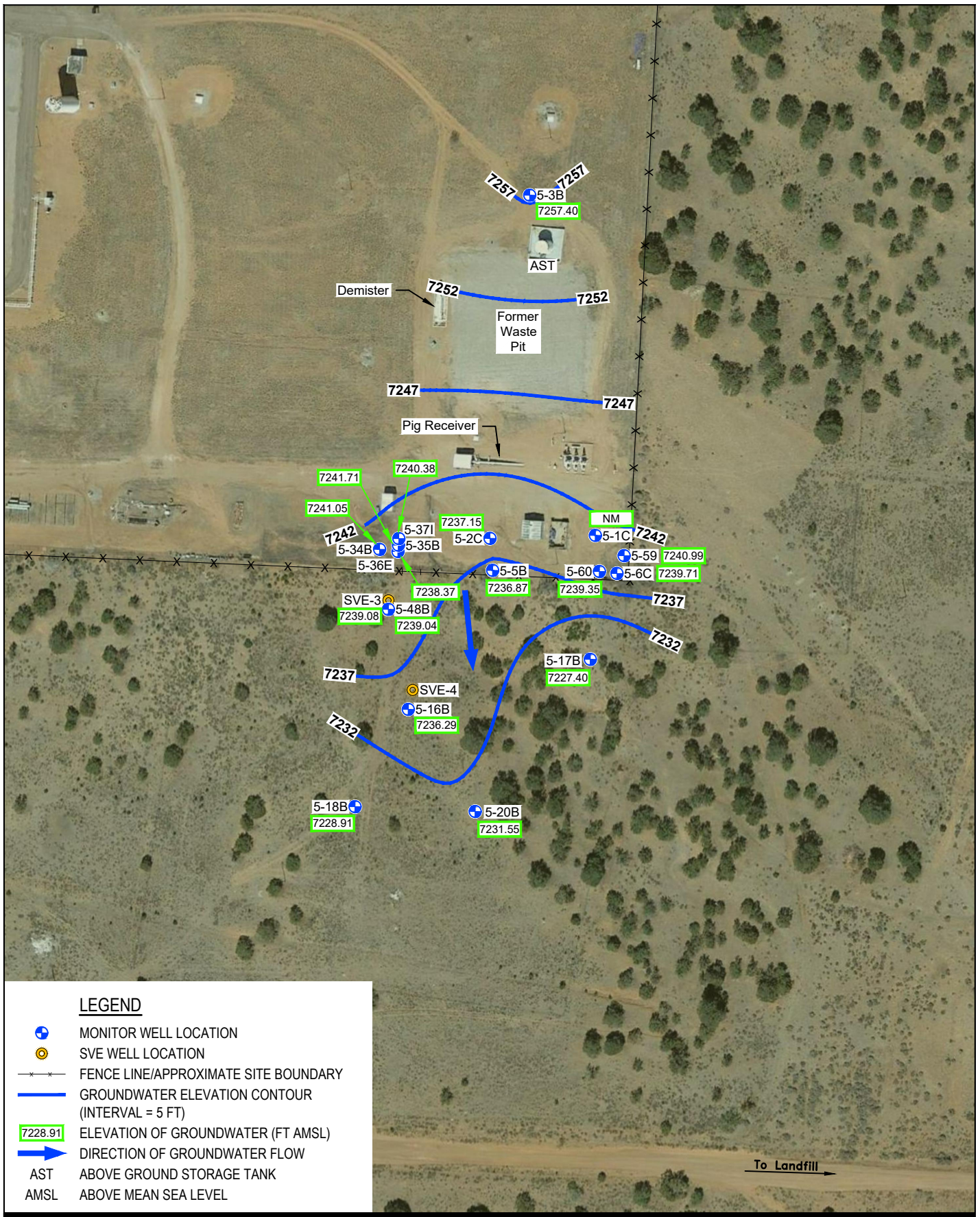
TRANSWESTERN PIPELINE COMPANY, LLC  
 MCKINLEY COUNTY, NEW MEXICO  
 THOREAU COMPRESSOR STATION No. 5

Project No. 12574705  
 Date June 2023

**MONITORING WELL NETWORK  
 DETAILS MAP**

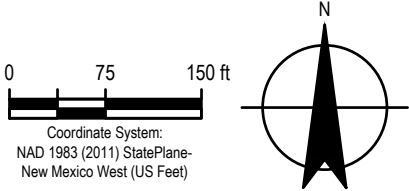
**FIGURE 2b**





**LEGEND**

- MONITOR WELL LOCATION
- SVE WELL LOCATION
- FENCE LINE/APPROXIMATE SITE BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (INTERVAL = 5 FT)
- 7228.91 ELEVATION OF GROUNDWATER (FT AMSL)
- DIRECTION OF GROUNDWATER FLOW
- AST ABOVE GROUND STORAGE TANK
- AMSL ABOVE MEAN SEA LEVEL



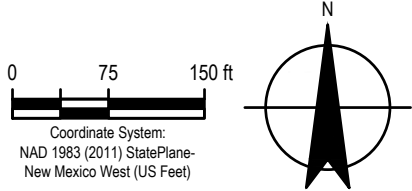
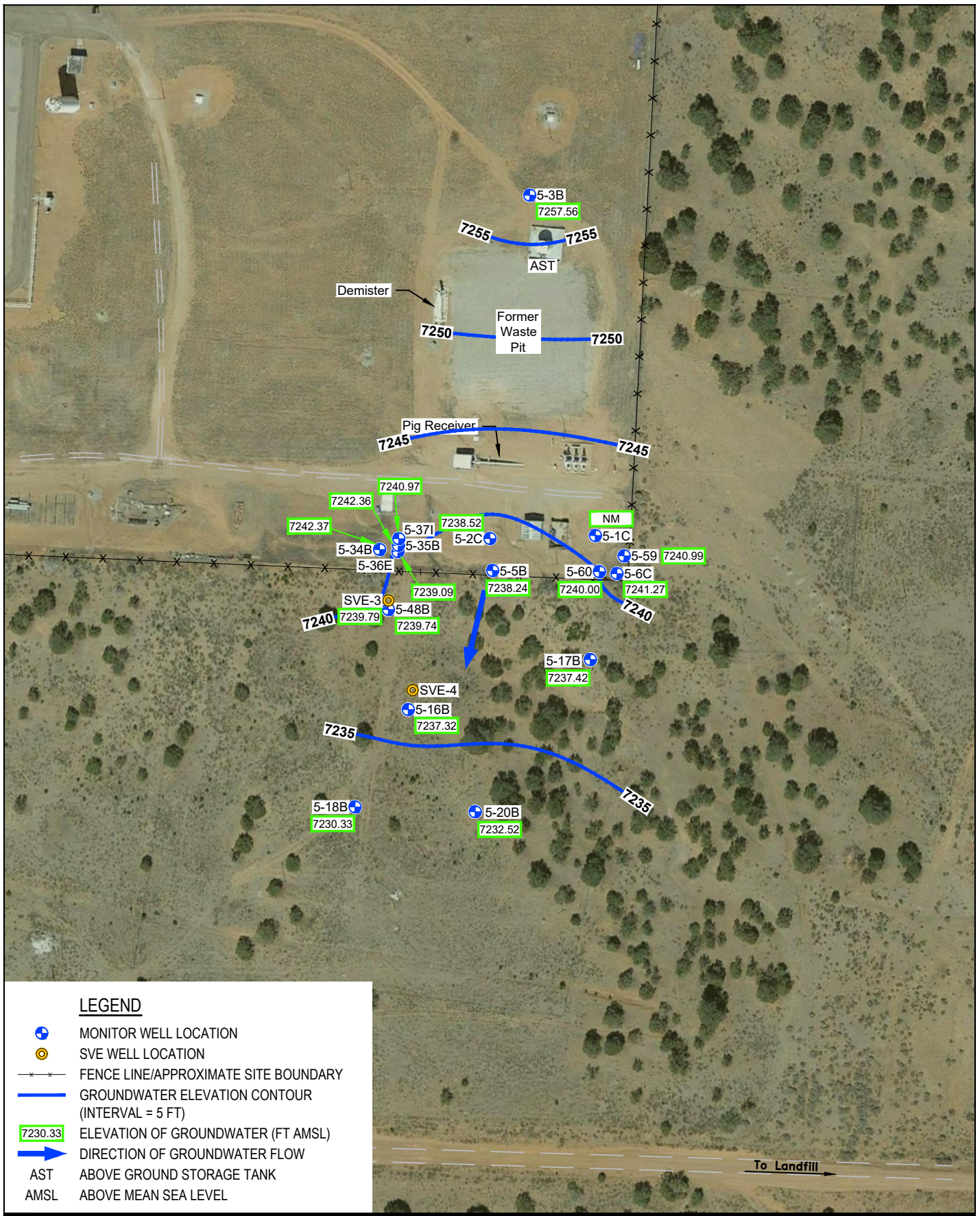
TRANSWESTERN PIPELINE COMPANY, LLC  
McKINLEY COUNTY, NEW MEXICO  
THOREAU COMPRESSOR STATION No. 5

Project No. 12574705  
Date June 2023

**JUNE 2022  
POTENTIOMETRIC SURFACE MAP**

**FIGURE 3**





TRANSWESTERN PIPELINE COMPANY, LLC  
McKINLEY COUNTY, NEW MEXICO  
THOREAU COMPRESSOR STATION No. 5

Project No. 12574705  
Date June 2023

OCTOBER 2022  
POTENTIOMETRIC SURFACE MAP

FIGURE 4

**Table 1**  
**Summary of Groundwater Elevation Data**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, 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**  
**Thoreau, 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	
	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				
	7,293.24 (a)					



**Table 1**  
**Summary of Groundwater Elevation Data**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, 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	7237.15		
10/14/21	56.54	56.60	0.06	7235.27		
06/16/22	54.66	54.69	0.03	7237.15		
10/25/22	sheen	53.30	sheen	7238.52		
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**  
**Thoreau, 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		
06/16/22	---	46.36	---	7257.40		
10/25/22	---	46.20	---	7257.56		
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**  
**Thoreau, 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	---	---	
	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		
06/16/22	---	55.15	---	7236.87		
10/25/22	---	53.78	---	7238.24		
5-05B	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

**Table 1**  
**Summary of Groundwater Elevation Data**  
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**Transwestern Pipeline Company, LLC**  
**Thoreau, 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		
06/13/22	---	51.75	---	7239.71		
10/25/22	---	50.19	---	7241.27		

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**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, 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**  
**Thoreau, 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**  
**Thoreau, 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**  
**Thoreau, 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		
06/16/22	---	52.53	---	7236.29		
10/25/22	---	51.50	---	7237.32		
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**  
**Thoreau, 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		
06/16/22	---	57.35	---	7227.40		
10/25/22	---	47.33	---	7237.42		
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**  
**Thoreau, 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		
06/16/22	---	57.50	---	7228.91		
10/25/22	---	56.08	---	7230.33		
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**  
**Thoreau, 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		
06/16/22	---	53.05	---	7231.55		
10/25/22	---	52.08	---	7232.52		

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

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**Thoreau Compressor Station No. 5**  
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Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	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



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**Thoreau Compressor Station No. 5**  
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**Thoreau, 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		
06/16/22	---	53.66	---	7241.05		
10/25/22	---	52.34	---	7242.37		

**Table 1**  
**Summary of Groundwater Elevation Data**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, 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	---	7237.39
		09/25/11	---	57.71	---	7238.40
		06/12/12	---	58.23	---	7237.88
		07/23/13	---	58.75	---	7237.36
04/22/14	---	58.91	---	7237.20		
04/13/15	---	58.93	---	7237.18		
04/20/16	---	59.02	---	7237.09		
03/28/17	---	58.43	---	7237.68		
05/01/17	---	58.20	---	7237.91		
06/20/17	---	58.28	---	7237.83		
09/22/17	---	58.32	---	7237.79		
04/19/18	---	57.84	---	7238.27		
04/16/19	---	57.95	---	7238.16		
10/03/19	---	58.15	---	7237.96		
06/16/20	---	57.93	---	7238.18		
10/07/20	---	57.95	---	7238.16		
06/03/21	---	51.87	---	7244.24		
10/14/21	---	57.18	---	7238.93		
06/16/22	---	54.40	---	7241.71		
10/25/22	---	53.75	---	7242.36		
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**  
**Thoreau, 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
		06/16/22	---	58.19	---	7238.37
		10/25/22	---	57.47	---	7239.09
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		
06/16/22	---	55.93	---	7240.38		
		10/25/22	---	55.34	---	7240.97
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**  
**Thoreau, 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		
06/16/22	---	53.60	---	7239.04		
10/25/22	---	52.90	---	7239.74		
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**  
**Thoreau, 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		
06/13/22	---	49.83	---	7240.99		
10/25/22	---	49.83	---	7240.99		
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
06/13/22	---	51.48	---	7239.35		
10/25/22	---	50.83	---	7240.00		

**Table 1**  
**Summary of Groundwater Elevation Data**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, 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		
06/16/22	--	54.60	--	7239.08		
10/25/22	--	53.89	--	7239.79		

**Table 1**  
**Summary of Groundwater Elevation Data**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, 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		
06/16/20	--	NM	--	---		
10/07/20	--	57.76	--	7232.07		
AS-4	7,293.95	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
		10/07/20	--	57.76	--	7236.19
		06/03/21	--	57.70	--	7236.25
		10/14/21	--	56.70	--	7237.25
		06/16/22	--	53.85	--	7240.10
10/25/22	--	53.15	--	7240.80		
AS-10	7,293.78	04/19/18	--	59.21	--	7234.57
		04/16/19	--	59.02	--	7234.76
		10/03/19	--	59.10	--	7234.68
		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
		06/16/22	--	55.07	--	7238.71
10/25/22	--	54.15	--	7239.63		
AS-15	7,293.22	04/19/18	--	59.85	--	7233.37
		04/16/19	--	59.66	--	7233.56
		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
		06/16/22	--	59.55	--	7233.67
10/25/22	--	53.17	--	7240.05		

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 Monitoring Field Parameters**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)	
5-01B	11/21/95	3.8	7.37	12.8	1314	
	02/21/96	7.5	7.40	11.9	960	
	05/23/96	10.6a	7.28	13.2	1327	
	08/14/96	--	7.51	15.8	1324	
	11/21/96	6.3	7.13	13.0	1080	
	02/27/97	4.6	7.49	7.7	820	
	05/21/97	3.7	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	2.5	7.27	13.9	1659	
	04/17/19	--	7.63	11.9	1865	
	06/16/20	LNAPL				
	10/07/20	LNAPL				
	06/03/21	LNAPL				
	10/14/21	LNAPL				



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

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-03B	11/15/95	8.0	7.59	14.0	860
	05/20/96	7.0b	8.26	13.4	1282
	08/12/96	8.6b	7.91	14.2	1000
	11/18/96	8.0/7.0	7.77	12.0	1110
	02/24/97	5.74/7.0	7.77	10.2	980
	05/20/97	8.8/8.0	7.73	13.8	1060
	05/18/97	8.0	7.69	13.5	1423
	11/17/97	7.36/8.0	7.64	13.4	1100
	02/10/98	8.17	7.36	12.5	1000
	06/08/98	8.8	7.58	13.4	1375
	06/11/98	8.8	7.60	13.3	1379
	09/29/98	8.3/8.0	7.59	13.9	1390
	04/27/99	8.6	7.72	13.8	1357
	10/11/99	8.6/8.0	7.75	13.1	1326
	05/11/00	7.6/7.5	7.78	13.1	1311
	05/22/01	8.5/8.0	7.79	14.1	1314
	04/18/02	8.2	7.81	14.9	1347
05/20/03	8.1	7.74	16.0	1415	
06/07/04	2.7	7.65	14.2	1450	
5-04B	11/17/95	--	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	1.1	7.61	14.3	1395
	11/20/96	4.2	7.26	12.2	1110
	02/25/97	2.9	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	1.1	7.78	11.7	895
	05/22/97	1.7	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 Monitoring Field Parameters**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-06C	11/23/97	0.5/0.8	7.67	14.3	1181
	02/12/98	0.0	7.75	11.9	1072
	06/11/98	3.2/0.6	7.67	16.0	1159
	10/02/98	0.7	7.64	13.6	1152
	04/29/99	--/1.0	7.55	12.8	1135
	10/14/99	0.2/0.4	7.66	13.3	1156
	05/13/00	0.4/0.6	7.65	13.2	1178
	11/17/00	2.1	7.62	13.0	1287
	05/22/01	0.9	7.61	13.9	1252
	11/18/01	1.1	7.62	14.4	1241
	04/20/02	1.4	7.64	14.4	1256
	10/30/02	0.5	7.62	14.7	1265
	05/21/03	1.7	7.47	15.2	1432
	11/10/03	1.8	7.38	12.3	1244
	06/07/04	1.4	7.43	14.4	1441
	06/09/05	---	7.34	12.7	1560
	07/11/06	2.0	7.42	13.7	1145
	07/25/07	3.0	7.57	13.0	1094
	09/23/08	3.1	7.88	13.2	1115
	08/04/09	2.8	7.06	13.4	1461
	05/18/10	2.9	6.83	12.6	1538
	09/25/11	6.9	7.24	13.8	1351
	06/12/12	3.6	7.00	13.3	1469
	07/10/12	3.7	7.15	13.2	1455
	07/23/13	3.1	6.80	13.3	1517
	04/22/14	3.8	6.95	15.4	1585
	04/13/15	4.7	6.84	13.8	1410
	04/21/16	3.6	7.16	12.7	1480
	03/27/17	3.7	8.06	10.8	1785
	04/19/18	3.7	7.49	13.1	1457
04/16/19	1.9	7.40	13.1	1464	
10/03/19	3.8	7.80	13.2	1469	
06/16/20	8.2	7.84	13.7	1649	
10/07/20	1.8	7.54	15.0	1266	
06/03/21	1.8	7.42	18.1	946	
10/14/21	2.6	7.63	12.6	805	
06/16/22	4.0	7.86	13.5	220	
10/25/22	4.1	8.01	12.7	211	
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 Monitoring Field Parameters**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-13B	11/20/95	4.3	7.59	13.9	800
	02/21/96	4.2	7.67	13.8	840
	05/22/96	1.4	7.68	13.8	860
	08/13/96	3.0	8.71	14.5	850
	11/20/96	2.7	7.49	13.0	850
	02/26/97	1.5	7.53	11.9	850
	05/21/97	2.8	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 Monitoring Field Parameters**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-16B	11/20/95	2.4	7.50	13.0	800
	02/21/96	3.5	7.58	13.8	840
	05/23/96	1.3	7.47	13.2	1181
	08/15/96	1.9/1.0	7.46	14.3	1214
	11/21/96	--/1.0	7.45	13.0	1000
	02/27/97	2.31	7.52	12.0	1131
	05/22/97	1.13	7.30	14.9	900
	08/20/97	1.6/0.4	7.41	15.4	1100
	11/19/97	0.4/0.4	7.46	12.6	1096
	02/11/98	2.78	7.16	11.6	840
	06/10/98	--	--	--	--
	10/01/98	--	--	--	--
	04/28/99	--	--	--	--
	10/13/99	--	--	--	--
	05/12/00	--	--	--	--
	11/17/00	--	--	--	--
	05/24/01	--	--	--	--
	11/18/01	--	--	--	--
	04/20/02	--	--	--	--
	10/31/02	--	--	--	--
	05/22/03	--	--	--	--
	11/11/03	--	--	--	--
	06/08/04	1.5	7.76	15.6	544
	06/08/05	--	7.67	15.3	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	2.0	6.88	14.7	1596	
04/13/15	3.5	7.10	13.6	1490	
04/21/16	2.0	7.31	13.5	1550	
04/20/18	2.9	8.91	11.2	2055	
04/17/19	--	7.69	11.4	1774	
10/04/19	2.1	7.88	13.7	1901	
06/17/20	3.1	8.90	12.4	2095	
10/08/20	0.9	7.60	13.7	1610	
06/03/21	1.2	7.51	13.8	1039	
10/14/21	1.3	7.77	13.4	868	
5-17B	11/20/95	7.4	7.65	13.4	1525
	05/22/96	6.4	7.44	12.5	1005
	08/14/96	--	7.66	17.0	1090
	11/20/96	--	7.69	13.6	1160
	02/27/97	4.6	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	9.5	7.91	12.0	990
	02/11/98	--	7.25	10.2	910
	06/10/98	9.4	7.67	13.9	1331
	10/02/98	10.0	7.70	15.0	1345
	04/28/99	--/7.8	7.69	13.7	1344
	10/13/99	8.8/9.0	7.77	12.9	1381
	05/12/00	8.2	7.76	12.9	1363
	11/17/00	8.5	7.78	13.1	1385
	05/23/01	9.2/8.0	7.73	14.6	1405
	11/17/01	--	7.73	14.9	1388
	04/19/02	8.4	7.80	14.8	1401
	10/31/02	8.5	7.75	15.3	1361
	05/22/03	8.6	7.71	15.7	1383
	11/11/03	8.9	7.61	12.6	1231
	06/08/04	3.3	7.44	14.9	1529
	06/08/05	--	7.36	13.9	1816
	07/10/06	3.2	7.25	13.1	1597
	07/25/07	4.7	7.48	13.6	1557
	09/23/08	5.6	7.83	13.1	1583
08/04/09	5.9	7.02	13.7	2005	

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

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)	
5-18B	11/17/95	1.4	7.68	14.0	720	
	02/21/96	5.6	7.76	12.2	760	
	05/22/96	1.5	7.62	13.3	790	
	08/14/96	2.4	8.27	14.2	1071	
	11/20/96	2.3	7.70	13.0	890	
	02/27/97	1.3	7.78	11.7	988	
	05/22/97	4.5	7.71	13.3	1065	
	08/19/97	0.8/0.4	7.69	14.1	988	
	11/17/97	7.8	7.72	12.9	860	
	02/11/98	2.3	7.33	12.8	790	
	06/10/98	0.6/0.6	7.61	13.6	1095	
	09/30/98	2.2/0.8	7.60	15.6	1142	
	04/28/99	-1.4	7.53	12.7	1144	
	10/12/99	2.3/2.0	7.64	14.0	1164	
	05/12/00	2.4	7.54	13.4	1198	
	11/16/00	3.8	7.52	13.0	1257	
	05/24/01	3.8	7.51	15.7	1264	
	11/17/01	3.8	7.51	15.4	1234	
	04/20/02	2.0	7.61	14.5	1124	
	10/31/02	1.0	7.56	15.5	1112	
	05/22/03	1.6	7.52	15.6	1117	
	11/11/03	1.9	7.45	13.0	976	
	06/08/04	1.8	7.43	16.5	1171	
	06/08/05	--	7.52	14.7	1198	
	07/10/06	3.0	7.39	13.9	964	
	07/25/07	1.3	7.59	14.8	962	
	09/23/08	2.9	7.91	14.5	989	
	08/04/09	1.1	7.04	15.2	1233	
	05/18/10	1.7	6.78	13.2	1341	
	09/25/11	2.1	7.10	13.5	1389	
	06/12/12	2.1	6.97	13.5	1362	
	07/23/13	2.4	6.93	14.2	1363	
	04/21/14	5.4	7.11	21.0	1312	
	04/13/15	2.9	7.08	13.1	1350	
	04/21/16	1.4	7.42	13.0	1460	
	03/28/17	No parameters due to insufficient well volume				
	04/19/18	2.3	7.60	13.8	1444	
	04/17/19	--	7.53	11.7	1567	
	10/04/19	3.1	8.08	13.0	1271	
	06/17/20	7.4	8.29	1.9	1447	
10/08/20	1.3	7.71	13.5	1120		
06/03/21	3.5	7.60	13.8	750		
10/14/21	4.8	7.83	12.9	699		
06/16/22	5.3	7.92	13.9	92		
10/25/22	4.7	8.10	13.0	94		

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**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-19B	11/20/95	2.0	7.68	13.0	700
	02/21/96	4.4	7.81	12.7	730
	05/22/96	2.0	7.78	14.1	1023
	08/14/96	3.0	7.99	14.7	1022
	11/21/96	3.2	7.79	12.8	840
	02/27/97	1.9/1.8	7.83	10.2	951
	05/21/97	2.7	7.84	12.8	1002
	08/20/97	2.5/1.6	7.82	15.7	939
	11/17/97	3.68/1.0	7.91	12.3	800
	02/11/98	2.3	7.47	12.0	710
	06/10/98	0.5	7.80	13.8	968
	10/01/98	0.2/0.4	7.75	14.0	982
	04/28/99	--/0.4	7.89	12.7	982
	10/12/99	0.2	8.00	13.6	990
	05/12/00	0.6/0.8	7.89	13.0	986
	11/17/00	1.2/1.4	7.96	13.2	999
	05/24/01	1.8/1.6	7.93	14.9	1007
	11/17/01	1.5	7.92	15.2	1019
	04/19/02	0.7	8.00	15.1	1038
	10/31/02	2.6	7.95	15.5	1051
05/22/03	1.0	7.88	16.2	1094	
11/11/03	1.4	7.81	13.0	971	
06/08/04	1.5	7.87	15.0	1147	
11/18/14	Plugged and Abandoned				
5-20B	11/17/95	2.9	7.16	13.7	1200
	05/22/96	1.8	7.18	14.4	1120
	08/14/96	4.8	7.82	16.2	1629
	11/20/96	--	7.04	12.5	1180
	02/27/97	1.5	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	6.9	7.42	12.4	1200
	02/11/98	0.0	7.35	10.9	1369
	06/09/98	2.8	7.29	16.1	1481
	10/01/98	2.4/1.8	7.31	15.8	1467
	04/28/99	--/0.8	7.30	13.4	1362
	10/12/99	2.6/2.2	7.46	14.4	1334
	05/12/00	0.5/0.6	7.25	12.7	1325
	11/16/00	1.4/1.4	7.45	12.7	1337
	05/24/01	1.1/0.8	7.48	14.4	1290
	11/17/01	1.4	7.52	15.2	1260
	04/19/02	0.7	7.49	14.9	1275
	10/31/02	1.1	7.48	15.3	1292
	05/22/03	0.5	7.42	15.7	1306
	11/11/03	1.5	7.35	12.9	1149
	06/08/04	1.6	7.41	13.9	1332
	06/08/05	--	7.43	15.0	1347
	07/10/06	1.3	7.46	13.5	1030
	07/25/07	1.3	7.55	14.3	1028
	09/23/08	1.9	7.88	13.6	1032
	08/04/09	0.3	6.99	14.1	1335
	05/18/10	2.1	6.99	12.9	1419
	09/25/11	1.9	7.17	13.3	1401
	06/12/12	1.6	7.03	13.4	1390
	07/23/13	1.7	6.89	13.4	1353
	04/21/14	3.4	6.98	18.4	1213
	04/13/15	3.3	7.42	13.8	1140
	04/21/16	1.7	7.55	12.9	1240
03/28/17	2.2	7.60	11.9	1452	
04/19/18	3.4	7.66	13.1	1229	
04/17/19	--	7.39	12.7	1382	
10/04/19	3.0	8.00	12.5	1201	
06/17/20	2.0	8.29	11.4	1347	
10/08/20	2.0	7.66	13.4	1043	
06/03/21	2.9	7.66	13.8	725	
10/14/21	2.1	7.75	13.1	1043	
06/16/22	2.3	7.70	14.1	143	
10/25/22	4.1	8.03	12.9	122	

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

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-22B	11/15/95	6.4	7.70	12.9	990
	02/22/96	6.6	7.47	12.3	1030
	05/20/96	--	8.32	13.8	1549
	08/12/96	8.0	7.63	15.0	1100
	11/18/96	5.6	7.48	12.2	1300
	02/27/97	3.5	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	3.8	7.31	13.3	800
	05/22/96	2.6	7.66	13.0	1077
	08/13/96	5.1	8.80	15.0	780
	11/19/96	4.4	7.69	13.0	880
	02/26/97	--/3.4	7.73	11.8	1018
	05/21/97	4.1/4.0	7.73	12.6	1036
	08/19/97	3.0/2.8	7.75	14.5	949
	11/17/97	2.0	7.74	11.1	920
	02/10/98	1.0	7.77	10.7	928
	06/08/98	2.8/2.2	7.01	13.7	1004
	09/29/98	2.6/2.0	7.67	13.7	1013
	04/27/99	2.6/2.0	7.72	12.9	1015
	10/12/99	1.6/1.8	7.83	12.8	1024
	05/11/00	1.5/1.8	7.77	13.0	1035
	05/23/01	2.1	7.72	14.0	1084
	04/19/02	1.5	7.72	15.0	1103
	05/20/03	1.2	7.71	15.6	1112
06/08/04	1.6	7.63	14.3	1131	
11/17/14	Plugged and Abandoned				
5-24B	11/17/95	1.7	7.33	13.2	1050
	05/21/96	3.5	7.41	13.9	1050
	08/13/96	2.3	8.07	16.0	1050
	11/19/96	3.3	7.36	12.6	1210
	02/26/97	--/1.4	7.42	11.6	1468
	05/20/97	4.8	7.56	12.6	1240
	05/21/97	3.4	7.24	13.1	1110
	08/19/97	3.8/4.0	7.32	15.5	1568
	11/18/97	2.2	7.39	12.2	1386
	02/10/98	3.2/3.0	7.44	11.2	1392
	06/09/98	4.3	7.34	14.6	1492
	09/29/98	5.5	7.32	13.6	1499
	04/27/99	9.7/8.0	7.37	14.1	1501
	10/11/99	4.3	7.46	13.6	1468
	05/11/00	4.8	7.43	13.5	1454
	11/16/00	7.4/6.0	7.52	12.6	1467
	05/23/01	2.9	7.52	15.0	1475
	11/17/01	4.9	7.54	15.3	1449
	04/19/02	2.2	7.56	15.0	1426
	10/31/02	4.1	7.62	15.3	1413
	05/20/03	1.3	7.51	15.4	1397
	11/11/03	4.8	7.46	13.0	1215
	06/08/04	2.8	7.68	15.4	1428
11/17/14	Plugged and Abandoned				



**Table 2**  
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**Thoreau, McKinley County, New Mexico**

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)	
5-35B	05/18/10	1.6	6.48	15.1	1834	
	09/25/11	1.5	6.96	17.5	1554	
	06/12/12	1.7	6.84	15.8	1643	
	07/23/13	--	--	--	--	
	04/22/14	1.9	6.49	15.5	1644	
	04/13/15	No parameters due to insufficient well volume				
	04/21/16	3.6	7.17	14.2	1570	
	03/28/17	1.4	7.40	12.9	1870	
	06/20/17	2.9	6.60	13.8	1460	
	09/22/17	0.7	6.42	14.3	1370	
	04/19/18	2.6	7.32	15.2	1475	
	04/16/19	0.7	7.25	14.8	1472	
	10/03/19	0.9	7.77	13.9	1525	
	06/16/20	2.5	9.66	12.7	1672	
	10/07/20	1.0	7.28	18.0	1301	
	06/03/21	0.6	7.16	14.8	867	
	10/14/21	0.4	7.37	13.1	786	
06/13/22	0.5	7.28	14.3	-9		
10/25/22	0.7	7.58	13.1	-23		
5-371	08/15/96	1.7	8.48	17.2	1382	
	11/22/96	--	7.70	14.9	1080	
5-41B	11/16/95	2.0	7.28	14.5	940	
	05/21/96	1.8	7.41	15.8	920	
	08/13/96	2.7	7.99	15.0	910	
	11/19/96	3.8	7.41	13.8	1080	
	02/25/97	1.7	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	
	Plugged and Abandoned					
5-47B	11/15/95	2.5	7.83	13.0	900	
	05/21/96	4.7	7.54	14.6	1080	
	08/13/96	3.2	7.98	15.2	1060	
	11/19/96	--	7.56	19.1	1110	
	02/26/97	2.2	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					
5-48B	11/20/95	1.4	7.60	13.7	1035	
	02/21/96	3.6	7.54	14.0	750	
	05/22/96	2.2	7.62	14.6	1032	
	08/14/96	2.8	7.62	15.5	800	
	11/21/96	3.1	7.45	15.2	780	
	02/27/97	2.4	7.61	11.8	950	
	05/22/97	2.5	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	2.2	7.44	14.8	810	
	06/11/98	3.6/2.0	7.53	16.3	1176	
	10/01/98	0.2	7.56	15.7	1239	
	04/28/99	--	7.47	15.4	1261	
	10/12/99	--	--	--	--	
	05/12/00	--	--	--	--	
	11/17/00	--	--	--	--	
	05/22/01	--	--	--	--	
	11/18/01	--	--	--	--	
	04/20/02	0.9	7.54	15.7	1524	
	10/30/02	--	--	--	--	
05/21/03	--	--	--	--		
11/11/03	--	--	--	--		
06/07/04	0.9	7.51	16.2	1550		
06/09/05	--	7.31	15.5	1530		

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

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-57B	11/15/95	4.6	7.59	13.1	880
	05/20/96	3.1	8.75	13.2	1212
	08/12/96	5.2	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	6.0	7.69	12.8	1130
	08/18/97	0.7/2.6	7.69	14.4	1071
Plugged and Abandoned					
5-58B	11/16/95	8.1	7.47	14.8	740
	05/20/96	6.7	8.71	13.2	1073
	08/12/96	6.4	7.71	14.5	750
	11/18/96	7.0	7.58	12.6	880
	02/25/97	7.0b	7.69	11.4	1073
	05/20/97	6.8	7.73	13.2	790
	08/18/97	5.8/6.5	7.68	15.2	964
Plugged and Abandoned					
5-59	11/18/01	6.2	7.50	14.5	1430
	04/20/02	6.7	7.60	14.1	1431
	10/30/02	8.1	7.68	14.6	1437
	05/21/03	5.9	7.40	15.3	1519
	11/11/03	6.8	7.21	12.4	1295
	06/08/04	3.2	7.38	12.8	1495
	06/09/05	--	7.37	14.2	1453
	07/10/06	6.7	7.42	13.3	1112
	07/25/07	5.5	7.33	14.1	1124
	09/23/08	6.0	7.84	12.9	1143
	08/04/09	5.8	7.13	14.3	1501
	05/18/10	6.5	6.62	12.9	1555
	09/25/11	8.0	7.06	13.6	1546
	06/12/12	7.0	6.87	13.6	1573
	07/10/12	6.2	7.22	14.8	1543
	07/23/13	5.8	6.83	14.2	1590
	04/22/14	6.7	6.93	19.2	1640
	04/13/15	11.0	8.07	16.5	1420
	04/21/16	5.7	6.84	12.7	1510
	03/28/17	4.5	7.75	11.2	1801
	04/20/18	6.7	7.70	11.5	1449
	04/16/19	5.2	7.38	14.0	1450
	10/03/19	No parameters due to insufficient well volume			
06/16/20	6.3	6.83	14.3	1685	
10/07/20	4.5	7.55	14.5	1291	
06/03/21	3.5	7.33	14.1	868	
10/14/21	3.3	7.58	12.6	795	
06/13/22	4.7	7.76	13.4	231	
10/25/22	3.9	7.86	12.6	212	
5-60	11/18/01	6.5	7.67	14.5	1296
	04/20/02	6.6	7.74	14.1	1291
	10/30/02	7.4	7.67	14.9	1272
	05/21/03	7.7	7.63	15.6	1297
	11/10/03	7.5	7.72	12.4	1171
	06/07/04	3.1	7.60	13.9	1415
	06/09/05	--	7.65	12.5	1428
	07/10/06	7.4	7.40	13.3	1095
	07/25/07	6.9	7.50	13.6	1059
	09/23/08	6.8	7.87	12.9	1034
	08/04/09	7.2	7.23	14.1	1362
10/03/19	87.5	8.11	14.9	1355	

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

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
SVE-1	05/11/00	7.8	7.90	13.5	992
	11/16/00	8.0	7.85	13.6	1008
	11/18/01	8.3	7.90	15.6	1016
	04/18/02	8.3	7.96	15.7	1017
	10/30/02	8.5	7.58	16.1	1000
	05/21/03	8.5	7.80	17.7	1009
	11/10/03	8.8	7.90	14.0	904
	06/07/04	2.1	7.98	21.7	1062
	11/18/14	Plugged and Abandoned			
SVE-3	05/18/10	--	--	--	--
	09/25/11	--	--	--	--
	06/12/12	--	--	--	--
	07/23/13	--	--	--	--
	04/22/14	1.4	6.83	14.3	1701
	04/13/15	3.4	6.73	13.6	1490
	04/21/16	2.4	7.09	14.3	1630
	03/28/17	1.6	7.52	12.6	1918
	06/20/17	5.3	6.43	15.2	1572
	09/22/17	1.3	6.52	13.1	1462
	04/19/18	2.6	7.34	14.7	2413
	04/17/19	--	7.00	11.9	3999*
	10/04/19	2.4	7.56	13.3	11540
	06/17/20	9.6	9.61	12.4	12733
	10/08/20	1.0	7.09	13.9	12174
06/03/21	0.4	7.03	15.3	10583	
10/14/21	1.0	7.09	13.9	12174	
06/16/22	0.5	7.23	14.1	-132	
10/25/22	1.2	7.80	13.3	-120	
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	6.4	13.24	15.5	20239
	06/16/20	8.4	9.04	14.4	2324
	10/07/20	5.1	12.33	18.4	18598
	06/03/21	3.3	11.99	16.1	11067
	10/14/21	2.8	11.61	12.4	6531
	06/16/22	4.0	10.41	14.4	83
10/25/22	1.4	11.17	13.1	71	
AS-10	04/20/18	4.5	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	3.3	11.77	13.5	17948
	10/07/20	2.2	12.34	14.8	10538
	06/03/21	2.8	12.14	15.1	5803
	10/14/21	2.6	12.18	13.0	4161
06/16/22	2.0	10.59	14.5	116	
10/25/22	2.0	10.78	13.3	141	
AS-15	04/20/18	6.3	12.84	16.1	138233
	04/17/19	--	13.32	11.4	3999*
	10/04/19	10.1	13.57	13.9	29884
	06/17/20	10.0	11.97	12.9	34057
	10/08/20	8.5	12.72	14.1	26493
	06/03/21	4.5	12.83	14.3	12979
	10/14/21	4.4	13.22	13.5	11352
	06/16/22	3.1	12.93	14.5	58
10/25/22	3.7	13.16	13.3	68	

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 Groundwater Analytical Results (BTEX and Sulfate)**  
**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
<b>EPA NPDWR Standard</b>		<b>5</b>	<b>1000</b>	<b>700</b>	<b>10000</b>	<b>250</b>
5-01B	12/01/89	< 5.0	6.3	< 5.0	NA	NA
	03/01/90	< 5.0	< 5.0	< 5.0	25.0	NA
	06/01/90	< 5.0	< 5.0	< 5.0	< 5.0	NA
	08/01/90	< 1.0	< 1.0	< 1.0	3.5	NA
	11/01/90	< 0.5	< 0.5	< 0.5	3.0	NA
	01/01/91	< 1.0	< 1.0	< 1.0	4.8	NA
	02/01/91	< 1.6	< 0.5	< 0.5	4.6	NA
	03/01/91	< 2.0	< 0.5	< 0.5	5.2	NA
	04/01/91	< 1.2	< 0.5	< 0.5	3.6	NA
	05/01/91	< 0.5	< 0.5	< 0.5	5.4	NA
	06/01/91	< 0.5	0.6	< 0.5	1.9	NA
	07/01/91	< 0.5	< 0.5	< 0.5	6.0	NA
	09/01/91	< 0.5	< 0.5	< 0.5	7.8	NA
	10/01/91	< 0.5	< 0.5	< 0.5	6.4	NA
	11/01/91	< 0.5	< 0.5	< 0.5	9.8	NA
	12/01/91	< 0.5	< 0.5	< 0.5	2.4	NA
	01/09/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/27/92	< 0.5	< 0.5	< 0.5	0.8	NA
	02/20/92	< 0.5	< 0.5	< 0.5	5.2	NA
	03/18/92	< 2.5	< 0.5	< 0.5	3.3	NA
	04/29/92	< 0.5	< 0.5	< 0.5	2.3	NA
	10/14/92	< 0.5	< 0.5	< 0.5	4.7	NA
	12/13/94	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/27/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
10/06/95	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/21/95	< 0.5	< 0.5	< 0.5	< 0.5	NA	
02/22/96	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA	
08/15/96	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/22/96	< 0.8	< 0.5	< 0.5	< 0.5	NA	
02/28/97	< 0.6	< 0.5	< 0.5	< 0.5	NA	
05/22/97	< 1.2	< 0.5	< 0.5	< 0.5	NA	
08/21/97	< 0.5	< 0.5	< 0.5	< 0.5	NA	
Plugged and Abandoned						
5-01C	11/23/97	1.4	< 0.5	< 0.5	< 0.5	NA
	01/08/98	2.0	< 0.5	< 0.5	< 0.5	NA
	02/12/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/11/98	6.5	< 0.5	< 0.5	< 0.5	NA
	10/02/98	5.2	< 0.5	< 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
	05/12/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	11/17/00	< 0.5	< 0.5	< 0.5	< 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	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/30/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/10/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/07/04	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/08/05	< 0.5	< 0.5	< 0.5	< 0.5	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 Groundwater Analytical Results (BTEX and Sulfate)**  
**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	1800.0	2000.0	< 200.0	NA	NA
	08/01/89	2500.0	4700.0	< 500.0	NA	NA
	11/01/89	1800.0	3100.0	250.0	NA	NA
	03/01/90	2300.0	3800.0	< 250.0	2400.0	NA
	06/01/90	1900.0	3100.0	< 250.0	2300.0	NA
	08/01/90	1400.0	2300.0	180.0	1700.0	NA
	11/01/90	1500.0	2400.0	230.0	1900.0	NA
	01/01/91	600.0	730.0	110.0	940.0	NA
	02/01/91	460.0	580.0	75.0	600.0	NA
	03/01/91	2400.0	3300.0	290.0	2600.0	NA
	04/01/91	830.0	1200.0	110.0	920.0	NA
	05/01/91	830.0	1200.0	150.0	1300.0	NA
	06/01/91	5.1	7.0	0.6	4.7	NA
	07/01/91	400.0	600.0	49.0	420.0	NA
	09/01/91	510.0	750.0	57.0	530.0	NA
	10/01/91	290.0	450.0	37.0	310.0	NA
	11/01/91	740.0	1200.0	97.0	950.0	NA
	12/01/91	330.0	580.0	31.0	320.0	NA
	01/09/92	360.0	710.0	52.0	480.0	NA
	01/28/92	420.0	810.0	64.0	560.0	NA
	02/20/92	890.0	1600.0	140.0	1200.0	NA
	03/19/92	910.0	2100.0	170.0	1700.0	NA
	04/29/92	1700.0	3800.0	240.0	2200.0	NA
	10/14/92	800.0	700.0	74.0	640.0	NA
	04/22/93	120.0	< 0.50	11.0	38.0	NA
	12/09/94	2100.0	2600.0	220.0	1800.0	NA
	06/26/95	1200.0	2700.0	130.0	1200.0	NA
	10/06/95	490.0	1600.0	66.0	640.0	NA
	11/21/95	740.0	2900.0	160.0	1100.0	NA
	02/22/96	260.0	1000.0	62.0	600.0	NA
05/21/96	380.0	120.0	1300.0	1100.0	NA	
08/14/96	420.0	1200.0	100.0	880.0	NA	
11/21/96	660.0	1300.0	150.0	1600.0	NA	
02/28/97	260.0	500.0	90.0	680.0	NA	
11/26/14				Plugged and Abandoned		
5-02C	11/23/97	26.0	2.7	9.1	2.7	NA
	02/11/98	110.0	7.0	33.0	8.3	NA
	06/10/98	460.0	1000.0	120.0	750.0	NA
	10/01/98	1300.0	3500.0	230.0	1800.0	NA
	04/28/99	1500.0	4400.0	260.0	2500.0	NA
	10/13/99	1300.0	3900.0	320.0	3100.0	NA
	05/13/00	980.0	3400.0	340.0	3500.0	NA
	11/17/00	671.0	1000.0	372.0	3820.0	NA
	05/24/01	446.0	60.0	340.0	3406.0	NA
	11/17/01	587.0	15.2	365.0	3622.0	NA
	04/20/02	450.0	< 10.0	300.0	3100.0	NA
	10/31/02	330.0	< 5.0	230.0	2000.0	NA
	05/22/03	290.0	< 10.0	200.0	800.0	NA
	11/11/03	450.0	< 2.5	240.0	770.0	NA
	06/08/04	270.0	28.0	160.0	1000.0	NA
	06/09/05	300.0	< 10.0	190.0	1700.0	NA
	09/25/11	27.0	< 10.0	91.0	220.0	NA
	07/10/12	40.0	12.0	130.0	730.0	NA
	07/23/13	34.0	50.0	130.0	1200.0	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	23.0	500.0	< 2.5
	04/17/19	< 1.0	< 1.0	1.9	52.0	< 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 Groundwater Analytical Results (BTEX and Sulfate)**  
**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	< 0.5	< 0.5	< 0.5	< 1.0	NA
	01/01/91	< 0.3	< 0.3	< 0.3	< 0.6	NA
	02/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	03/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	04/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	05/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	06/01/91	< 0.5	1.4	< 0.5	2.2	NA
	07/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	09/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	10/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	12/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/09/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/27/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	03/17/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	04/28/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/07/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	12/09/94	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/26/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/03/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/15/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/12/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/18/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/24/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/20/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
08/18/97	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/17/97	< 0.5	< 0.5	< 0.5	< 0.5	NA	
02/10/98	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/11/98	< 0.5	< 0.5	< 0.5	< 0.5	NA	
09/29/98	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/20/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/07/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
5-04B	10/01/89	< 25.0	< 25.0	< 25.0	NA	NA
	12/01/89	18.0	< 5.0	< 5.0	NA	NA
	01/01/90	21.0	< 5.0	< 5.0	NA	NA
	04/01/90	54.0	< 5.0	7.1	110.0	NA
	06/01/90	60.0	< 50.0	< 50.0	64.0	NA
	08/01/90	63.0	9.5	< 1.0	15.0	NA
	11/01/90	25.0	< 5.0	< 5.0	< 10.0	NA
	01/01/91	22.0	1.6	0.8	5.6	NA
	03/01/91	76.0	11.0	< 0.5	5.7	NA
	04/01/91	39.0	0.7	< 0.5	2.9	NA
	05/01/91	90.0	1.1	1.0	13.0	NA
	06/01/91	81.0	21.0	14	87.0	NA
	07/01/91	71.0	< 0.5	4.5	43.0	NA
	09/01/91	270.0	< 1.0	6.6	54.0	NA
	10/01/91	180.0	< 5.0	7.8	48.0	NA
	11/01/91	< 1.2	< 1.2	11.0	83.0	NA
	12/01/91	100.0	< 2.5	5.1	45.0	NA
	01/10/92	53.0	< 1.2	3.7	44.0	NA
	01/28/92	48.0	2.8	6.5	44.0	NA
	02/19/92	42.0	< 1.0	3.4	39.0	NA
	03/18/92	< 0.50	< 0.5	< 0.5	< 0.5	NA
	04/28/92	86.0	80.0	60.0	570.0	NA
10/13/92	230.0	40.0	19.0	260.0	NA	

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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
5-04B Cont.	04/21/93	170.0	130.0	26.0	280.0	NA
	12/12/94	12.0	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	93.0	1.5	6.1	1.9	NA
	06/08/95	9.4	1.4	0.6	< 0.5	NA
	06/26/95	15.0	< 0.5	0.7	< 1	NA
	10/05/95	44.0	1.7	3.1	< 0.5	NA
	11/17/95	9.9	1.1	0.6	< 0.5	NA
	02/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/14/00	3.0	< 2.0	< 2.0	< 4.0	NA
	11/17/00	1.7	< 0.5	< 0.5	< 1.0	NA
	05/22/01	1.7	< 1.0	< 1.0	< 2.0	NA
	11/18/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/31/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
05/21/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	2.9	NA
	01/01/91	< 0.5	< 0.5	< 0.5	0.6	NA
	02/01/91	49.0	35.0	7.4	56.0	NA
	03/01/91	12.0	1.2	< 0.5	< 1.0	NA
	04/01/91	1.3	< 0.5	< 0.5	< 1.0	NA
	05/01/91	4.6	< 0.5	< 0.5	< 1.0	NA
	06/01/91	3.8	< 0.5	< 0.5	< 1.0	NA
	07/01/91	0.5	< 0.5	< 0.5	< 1.0	NA
	09/01/91	3.0	< 0.5	< 0.5	< 1.0	NA
	10/01/91	0.9	< 0.5	< 0.5	< 0.5	NA
	11/01/91	1.2	< 0.5	< 0.5	< 0.5	NA
	12/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/09/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/27/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	03/17/92	53.0	< 0.5	11.0	84.0	NA
	04/28/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/12/92	770.0	110.0	25.0	160.0	NA
	04/21/93	38.0	< 0.5	2.4	3.0	NA
	12/12/94	150.0	33.0	16.0	47.0	NA
	06/26/95	17.0	0.7	1.6	0.9	NA
	10/05/95	8.2	< 0.5	0.9	< 0.5	NA
	11/17/95	5.0	< 0.5	< 0.5	< 0.5	NA
	02/20/96	0.9	< 0.5	< 0.5	< 0.5	NA
	05/21/96	1.0	< 0.5	< 0.5	< 0.5	NA
	08/14/96	0.9	< 0.5	< 0.5	< 0.5	NA
	11/20/96	3.3	1.5	< 0.5	< 0.5	NA
	02/25/97	3.0	1.4	< 0.5	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	1.0	< 0.5	< 0.5	< 1.0	NA
05/22/01	1.6	< 1.0	< 1.0	< 2.0	NA	
11/18/01	7.4	< 1.0	< 1.0	< 2.0	NA	
04/18/02	5.2	< 0.5	< 0.5	< 0.5	NA	
10/30/02	3.4	< 0.5	< 0.5	< 0.5	NA	
05/21/03	2.1	0.9	1.0	2.6	NA	
11/10/03	1.8	< 0.5	< 0.5	< 0.5	NA	
06/08/04	2.5	< 0.5	0.5	1.3	NA	



**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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
5-06B	10/01/89	15.0	< 5.0	< 5.0	NA	NA
	12/01/89	7.4	35.0	21.0	NA	NA
	01/01/90	< 5.0	< 5.0	8.3	NA	NA
	04/01/90	5.3	< 5.0	< 5.0	120.0	NA
	06/01/90	< 5.0	< 5.0	< 5.0	19.0	NA
	08/01/90	< 1.0	< 1.0	1.5	36.0	NA
	11/01/90	1.8	< 0.5	0.5	21.0	NA
	01/01/91	< 1.0	< 1.0	< 1.0	31.0	NA
	02/01/91	12.0	2.5	< 0.5	21.0	NA
	03/01/91	2.0	< 0.5	< 0.5	5.1	NA
	04/01/91	5.2	< 0.5	< 0.5	12.0	NA
	05/01/91	7.7	< 0.5	< 0.5	18.0	NA
	06/01/91	11.0	2.3	< 0.5	25.0	NA
	07/01/91	1.5	< 0.5	< 0.5	15.0	NA
	09/01/91	3.5	< 0.5	< 0.5	13.0	NA
	10/01/91	3.1	0.6	0.8	9.3	NA
	11/01/91	1.4	< 0.5	< 0.5	6.0	NA
	11/01/91	2.3	< 0.5	< 0.5	18.0	NA
	12/01/91	< 0.5	< 0.5	< 0.5	5.0	NA
	01/09/92	2.3	< 0.5	< 0.5	< 0.5	NA
	01/27/92	1.3	< 0.5	< 0.5	2.6	NA
	02/20/92	1.0	< 0.5	< 0.5	1.2	NA
	03/18/92	0.9	< 0.5	< 0.5	2.3	NA
	04/29/92	1.4	< 0.5	< 0.5	3.6	NA
	10/14/92	1.0	< 0.5	< 0.5	2.8	NA
	12/14/94	4.3	< 0.5	< 0.5	0.7	NA
	06/27/95	2.2	< 0.5	< 0.5	< 0.5	NA
	10/06/95	4.6	< 0.5	< 0.5	< 0.5	NA
	11/21/95	6.2	< 0.5	< 0.5	< 0.5	NA
	02/22/96	4.3	< 0.5	< 0.5	< 0.5	NA
	04/17/96	8.9	< 0.5	< 0.5	0.5	NA
	04/17/96	9.4	< 0.5	< 0.5	< 0.5	NA
	05/21/96	1.2	< 0.5	< 0.5	< 0.5	NA
08/15/96	2.4	< 0.5	< 0.5	< 0.5	NA	
11/22/96	0.9	< 5.0	< 5.0	< 0.5	NA	
02/28/97	0.9	< 5.0	< 5.0	< 0.5	NA	
05/22/97	0.7	< 5.0	< 5.0	< 0.5	NA	
08/20/97	0.7	< 5.0	< 5.0	< 0.5	NA	
11/23/97	1.4	0.6	< 5.0	11.0	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	< 0.5	< 0.5	< 0.5	< 1.0	NA
	05/22/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	11/19/01	1.2	< 1.0	< 1.0	< 2.0	NA
	04/20/02	1.1	< 0.5	< 0.5	< 0.5	NA
	10/30/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/10/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/07/04	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/09/05	< 0.5	< 0.5	< 0.5	< 0.5	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	
06/16/22	< 1.0	< 1.0	< 1.0	< 1.5	59	
10/25/22	< 1.0	< 1.0	< 1.0	< 1.5	51	

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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
5-12B	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0	NA
	11/01/90	< 0.5	< 0.5	< 0.5	< 1.0	NA
	01/01/91	1.5	4.7	0.8	3.8	NA
	02/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	03/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	04/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	05/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	06/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	07/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	10/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/07/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	04/30/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/08/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/03/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/16/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/13/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/26/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/19/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/17/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/11/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/09/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	09/30/98	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/20/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/17/14			Plugged and Abandoned		NA	
5-13B	08/01/90	54.0	13.0	< 1.0	330.0	NA
	11/01/90	61.0	< 10.0	< 10.0	480.0	NA
	01/01/91	180.0	17.0	< 5.0	310.0	NA
	02/01/91	270.0	25.0	< 10.0	460.0	NA
	03/01/91	240.0	< 50.0	< 50.0	480.0	NA
	04/01/91	430.0	< 0.5	< 0.5	620.0	NA
	05/01/91	290.0	< 10.0	< 10.0	450.0	NA
	06/01/91	330.0	0.5	< 0.5	600.0	NA
	07/01/91	97.0	0.7	< 0.5	760.0	NA
	10/01/91	71.0	< 5.0	< 5.0	510.0	NA
	01/08/92	150.0	< 25.0	< 25.0	570.0	NA
	05/01/92	76.0	8.0	< 0.5	67.0	NA
	10/13/92	88.0	8.7	< 0.5	1.5	NA
	10/05/95	0.6	2.5	0.5	1.9	NA
	11/20/95	< 0.5	< 0.5	0.6	2.0	NA
	02/21/96	1.0	0.7	< 0.5	< 0.5	NA
	05/21/96	0.7	< 0.5	< 0.5	0.8	NA
	08/13/96	1.0	5.4	< 0.5	< 0.5	NA
	11/21/96	1.2	6.1	< 0.5	< 0.5	NA
	02/26/97	1.5	5.9	< 0.5	2.5	NA
	05/21/97	1.1	4.3	< 0.5	0.7	NA
	08/19/97	1.2	2.9	< 0.5	0.6	NA
	11/18/97	1.3	2.0	< 0.5	< 0.5	NA
	02/11/98	0.9	1.5	< 0.5	< 0.5	NA
	06/09/98	0.8	0.7	< 0.5	< 0.5	NA
	09/30/98	< 0.5	1.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 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	< 0.5	< 0.5	< 0.5	< 0.5	NA	
10/31/02	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/20/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/17/14			Plugged and Abandoned		NA	

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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	< 0.5	< 0.5	< 0.5	< 1.0	NA
	01/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	02/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	03/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	04/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	05/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	06/01/91	2.8	3.2	0.5	2.0	NA
	07/01/91	0.60	< 0.5	< 0.5	< 1.0	NA
	10/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/06/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	04/30/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/08/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/04/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/16/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	2.6	1.5	< 0.5	NA
	08/13/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/26/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/19/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/17/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/10/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/09/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	09/30/98	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/22/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 1.0	NA
	01/01/91	< 0.3	< 0.3	< 0.3	1.0	NA
	02/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	03/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	04/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	05/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	06/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	07/01/91	< 0.5	0.6	< 0.5	< 1.0	NA
	10/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/07/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	04/30/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/08/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/05/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/16/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/14/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/26/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/19/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/17/97	0.9	< 0.5	< 0.5	0.5	NA
	02/11/98	1.5	< 0.5	1.0	1.2	NA
	06/10/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	09/30/98	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/22/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/18/14		Plugged and Abandoned				NA

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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	19.0	25.0	50.0	320.0	NA
	01/01/91	< 0.3	< 0.3	< 0.3	< 0.6	NA
	02/01/91	320.0	46.0	170.0	860.0	NA
	03/01/91	920.0	14.0	1.2	130.0	NA
	04/01/91	92.0	< 0.5	0.7	9.2	NA
	05/01/91	270.0	< 12.0	230.0	1100.0	NA
	06/01/91	450.0	490.0	460.0	2300.0	NA
	07/01/91	260.0	140.0	400.0	2400.0	NA
	09/01/91	460.0	320.0	550.0	3600.0	NA
	10/01/91	170.0	420.0	460.0	3200.0	NA
	11/01/91	180.0	430.0	330.0	2400.0	NA
	12/01/91	140.0	490.0	360.0	2900.0	NA
	01/08/92	200.0	500.0	410.0	3000.0	NA
	02/20/92	170.0	330.0	470.0	3200.0	NA
	03/18/92	53.0	89.0	400.0	2400.0	NA
	04/29/92	23.0	3.3	210.0	1000.0	NA
	10/13/92	5.1	2.3	12.0	63.0	NA
	04/20/93	6.5	< 0.5	14.0	51.0	NA
	10/05/95	610.0	5900.0	300.0	2600.0	NA
	11/20/95	970.0	7100.0	430.0	3100.0	NA
	02/21/96	1700.0	6900.0	340.0	3600.0	NA
	05/21/96	1500.0	280.0	6900.0	3500.0	NA
	08/15/96	670.0	3600.0	130.0	2400.0	NA
	11/21/96	460.0	2200.0	130.0	2500.0	NA
	02/27/97	250.0	1100.0	190.0	2000.0	NA
	05/22/97	130.0	720.0	110.0	1500.0	NA
	08/20/97	130.0	820.0	120.0	1300.0	NA
	11/19/97	85.0	730.0	100.0	1100.0	NA
	02/11/98	41.0	360.0	90.0	660.0	NA
	06/10/98	23.0	210.0	56.0	590.0	NA
	10/01/98	140.0	190.0	66.0	590.0	NA
	04/28/99	200.0	170.0	45.0	620.0	NA
	10/13/99	610.0	630.0	79.0	600.0	NA
	12/05/99	720.0	390.0	130.0	570.0	NA
	05/12/00	600.0	290.0	92.0	360.0	NA
	11/17/00	1360.0	742.0	213.0	1010.0	NA
	05/24/01	1240.0	487.0	174.0	1105.0	NA
	11/18/01	2330.0	948.0	356.0	1987.0	NA
	04/20/02	1800.0	660.0	230.0	1400.0	NA
	10/31/02	1300.0	240.0	170.0	1100.0	NA
05/22/03	1300.0	130.0	180.0	950.0	NA	
11/11/03	2300.0	240.0	340.0	1700.0	NA	
06/08/04	890.0	< 5.0	110.0	260.0	NA	
06/08/05	1400.0	< 5.0	160.0	520.0	NA	
07/10/06	1600.0	< 20.0	150.0	380.0	NA	
07/25/07	1700.0	< 20.0	170.0	590.0	NA	
09/23/08	1900.0	< 5.0	180.0	600.0	NA	
08/04/09	1300.0	< 5.0	150.0	590.0	NA	
05/18/10	3800.0	11.0	340.0	2200.0	NA	
09/25/11	4400.0	< 20.0	350.0	2600.0	NA	
06/12/12	3300.0	< 50.0	230.0	1600.0	NA	
07/23/13	5100.0	< 50.0	390.0	3000.0	NA	
04/21/14	5000.0	< 50.0	360.0	2500.0	NA	
04/13/15	3200.0	< 50.0	240.0	1300.0	NA	
04/13/15 (DUP)	1600.0	< 50.0	110.0	610.0	NA	
04/21/16	2500.0	< 10.0	220.0	1100.0	NA	
04/20/18	3500.0	2.3	300.0	1800.0	8	
04/17/19	1900.0	< 20.0	150.0	470.0	9	
10/03/19	77.0	< 1.0	3.0	12.0	58	
06/17/20	14.0	< 2.0	< 2.0	< 3.0	69	
10/08/20	32.0	< 1.0	1.0	3.3	64	
06/03/21	81.0	< 1.0	< 1.0	< 2.0	130	
10/14/21	71.0	< 1.0	2.9	< 1.5	100	
06/16/22	11.0	< 1.0	< 1.0	< 2.0	99	
10/25/22	19.0	< 1.0	< 1.0	< 2.0	93	

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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	< 0.5	< 0.5	< 0.5	< 1.0	NA
	01/01/91	< 0.5	< 0.5	< 0.5	< 0.50	NA
	02/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	03/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	04/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	05/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	06/01/91	0.7	2.9	1.8	11.0	NA
	07/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	10/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/08/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	03/17/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	04/28/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/07/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/06/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/20/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/14/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/27/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/20/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/18/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/11/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/10/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/01/98	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 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	< 0.5	< 0.5	< 0.5	< 0.5	NA	
10/31/02	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/22/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/05	< 0.5	< 0.5	< 0.5	< 0.5	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 Groundwater Analytical Results (BTEX and Sulfate)**  
**Thoreau Compressor Station No. 5**  
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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
5-18B	08/01/90	1100.0	14.0	< 1.0	220.0	NA
	11/01/90	1900.0	< 100.0	< 100.0	320.0	NA
	01/01/91	1300.0	< 25.0	< 25.0	170.0	NA
	02/01/91	970.0	11.0	< 5.0	170.0	NA
	03/01/91	260.0	1.8	< 0.5	23.0	NA
	04/01/91	1000.0	< 1.0	< 1.0	78.0	NA
	06/01/91	680.0	1.1	1.0	150.0	NA
	07/01/91	1500.0	3.0	1.5	70.0	NA
	10/01/91	1200.0	< 25.0	< 25.0	130.0	NA
	01/08/92	1100.0	< 25.0	< 25.0	88.0	NA
	05/01/92	790.0	2.7	< 0.5	36.0	NA
	10/13/92	820.0	< 0.5	1.0	36.0	NA
	04/22/93	360.0	< 0.5	0.5	2.6	NA
	10/05/95	87.0	8.4	9.0	26.0	NA
	11/17/95	240.0	24.0	22.0	53.0	NA
	02/21/96	290.0	54.0	37.0	110.0	NA
	05/21/96	390.0	56.0	1.3	50.0	NA
	08/14/96	400.0	< 0.5	53.0	0.9	NA
	11/21/96	210.0	5.0	48.0	< 0.5	NA
	02/27/97	9.4	5.2	64.0	1.5	NA
	05/22/97	< 0.5	4.7	88.0	0.8	NA
	08/19/97	1.1	4.9	110.0	1.5	NA
	11/17/97	0.9	6.0	140.0	1.1	NA
	02/11/98	0.9	6.4	120.0	1.1	NA
	06/10/98	< 0.5	6.2	64.0	< 0.5	NA
	09/30/98	5.6	1.3	17.0	1.0	NA
	04/28/99	2.0	< 1.0	< 1.0	2.0	NA
	10/12/99	17.0	< 2.0	5.0	42.0	NA
	05/12/00	10.0	< 2.0	12.0	14.0	NA
	11/16/00	1.9	< 0.5	< 0.5	1.6	NA
	05/24/01	2.9	< 1.0	< 1.0	< 2.0	NA
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/20/02	0.6	< 0.5	0.7	0.9	NA
	10/31/02	0.7	< 0.5	< 0.5	1.0	NA
	05/22/03	< 0.5	5.9	< 0.5	2.5	NA
	11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/08/04	< 0.5	< 0.5	0.9	1.2	NA
	06/08/05	< 0.5	< 0.5	< 0.5	< 0.5	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	
06/16/22	< 1.0	< 1.0	< 1.0	< 1.5	84	
10/25/22	< 1.0	< 1.0	< 1.0	< 1.5	70	

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Well ID	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate
5-19B	08/01/90	190.0	3.5	5.8	44.0	NA
	11/01/90	180.0	11.0	< 10.0	< 20.0	NA
	01/01/91	150.0	< 0.3	0.6	15.0	NA
	02/01/91	200.0	5.8	< 2.5	14.0	NA
	03/01/91	200.0	30.0	180.0	880.0	NA
	04/01/91	290.0	< 25.0	210.0	880.0	NA
	05/01/91	240.0	< 0.5	0.7	21.0	NA
	06/01/91	290.0	7.5	2.2	22.0	NA
	07/01/91	240.0	< 0.5	0.6	14.0	NA
	10/01/91	140.0	< 2.5	< 2.5	12.0	NA
	01/08/92	240.0	< 5.0	< 5.0	9.0	NA
	02/20/92	150.0	< 2.5	< 2.5	4.2	NA
	03/19/92	140.0	< 0.5	< 0.5	5.9	NA
	04/29/92	190.0	< 0.5	< 0.5	4.3	NA
	10/13/92	130.0	< 0.5	< 0.5	4.4	NA
	10/05/95	1.0	0.7	< 0.5	< 0.5	NA
	11/20/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/21/96	0.9	0.8	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/14/96	0.7	0.6	< 0.5	< 0.5	NA
	11/21/96	0.9	0.6	< 0.5	< 0.5	NA
	02/27/97	1.3	1.0	< 0.5	0.7	NA
	05/21/97	1.2	1.0	< 0.5	< 0.5	NA
	08/20/97	1.7	1.3	0.6	< 0.5	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	43.0	< 1.0	1.0	3.0	NA
	10/12/99	13.0	< 2.0	< 2.0	< 4.0	NA
	05/12/00	16.0	< 2.0	3.0	4.0	NA
	11/17/00	1.0	< 0.5	1.9	< 1.0	NA
	05/24/01	< 1.0	< 1.0	1.2	< 2.0	NA
11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA	
04/19/02	< 0.5	< 0.5	< 0.5	< 0.5	NA	
10/31/02	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/22/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/18/14				Plugged and Abandoned		
5-20B	08/01/90	58.0	8.0	< 1.0	51.0	NA
	11/01/90	180.0	< 5.0	< 5.0	12.0	NA
	01/01/91	93.0	14.0	< 1.0	23.0	NA
	02/01/91	280.0	14.0	< 10	46.0	NA
	02/01/91	110.0	< 5.0	< 5.0	< 5.0	NA
	03/01/91	200.0	< 5.0	< 5.0	< 10.0	NA
	04/01/91	180.0	< 1.0	< 1.0	19.0	NA
	05/01/91	160.0	< 5.0	< 5.0	32.0	NA
	06/01/91	300.0	1.1	< 0.5	15.0	NA
	07/01/91	73.0	1.1	1.0	24.0	NA
	10/01/91	57.0	2.2	< 1.2	11.0	NA
	01/08/92	31.0	< 1.2	< 1.2	6.7	NA
	05/01/92	55.0	3.9	4.9	6.2	NA
	10/12/92	52.0	2.7	4.4	11.0	NA
	04/21/93	14.0	< 0.5	6.1	10.0	NA
	10/05/95	3.2	0.7	3.5	< 0.5	NA
	11/17/95	12.0	2.3	< 0.5	2.6	NA
	02/21/96	2.8	1.7	2.7	2.3	NA
	05/21/96	1.7	1.3	0.8	< 0.5	NA
	08/14/96	8.1	0.7	0.8	1.5	NA
	11/20/96	7.2	0.9	1.4	< 0.5	NA
	02/27/97	12.0	1.3	1.8	3.3	NA
	05/22/97	2.0	0.7	0.8	0.5	NA
	08/19/97	10.0	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	0.8	0.7	< 0.5	NA	
10/01/98	1.5	1.4	1.5	1.3	NA	



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**Thoreau Compressor Station No. 5**  
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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	1.0	< 0.5	0.8	< 1.0	NA
	05/24/01	3.3	< 1.0	< 1.0	< 2.0	NA
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	0.9	< 0.5	< 0.5	< 0.5	NA
	10/31/02	0.8	0.7	< 0.5	< 0.5	NA
	05/22/03	1.0	0.9	< 0.5	< 0.5	NA
	11/11/03	0.5	< 0.5	< 0.5	< 0.5	NA
	06/08/04	1.1	< 0.5	< 0.5	< 0.5	NA
	06/08/05	1.0	0.5	< 0.5	< 0.5	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	
06/16/22	< 1.0	< 1.0	< 1.0	< 1.5	87	
6/16/22 (DUP)	< 1.0	< 1.0	< 1.0	< 1.5	85	
10/25/22	< 1.0	< 1.0	< 1.0	< 1.5	100	
10/25/22 (DUP)	< 1.0	< 1.0	< 1.0	< 1.5	100	
5-22B	10/01/90	< 1.0	< 1.0	< 1.0	< 1.0	NA
	01/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	03/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	04/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	05/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	06/01/91	1.9	5.5	13.0	58.0	NA
	07/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	09/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	10/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	12/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/10/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/28/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	03/18/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	04/28/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/08/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	12/12/94	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/26/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/03/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/15/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/12/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/18/96	< 0.5	< 0.5	< 0.5	< 1.9	NA
	02/27/97	5.6	9.3	< 0.5	65.0	NA
	05/22/97	3.6	< 0.5	< 0.5	7.1	NA
08/20/97	3.2	7.3	< 0.5	5.3	NA	
11/18/97	3.8	2.3	< 0.5	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	< 0.5	< 0.5	< 1.0	NA
	01/01/91	3.0	< 0.5	< 0.5	< 0.6	NA
	02/01/91	6.6	< 0.5	< 0.5	< 1.0	NA
	03/01/91	8.5	< 0.5	< 0.5	1.2	NA
	04/01/91	5.0	< 0.5	< 0.5	< 1.0	NA
	05/01/91	120.0	< 0.5	< 0.5	7.5	NA
	06/01/91	3.8	0.6	< 0.5	5.7	NA
07/01/91	2.0	< 0.5	< 0.5	1.3	NA	

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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	< 0.5	< 0.5	1.1	NA
	10/01/91	1.6	< 0.5	< 0.5	< 0.5	NA
	11/01/91	0.6	< 0.5	< 0.5	< 0.5	NA
	12/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/07/92	0.7	< 0.5	< 0.5	< 0.5	NA
	02/18/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	03/17/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	04/30/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/09/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/04/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/16/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/22/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/13/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/26/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/19/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/17/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/10/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/08/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	09/29/98	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/20/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/17/14	Plugged and Abandoned					
5-24B	10/01/90	63.0	< 1.0	2.0	1.6	NA
	11/01/90	100.0	< 5.0	< 5.0	< 10.0	NA
	01/01/91	40.0	0.6	0.7	< 1.0	NA
	02/01/91	150.0	16	< 5.0	21.0	NA
	03/01/91	89.0	9.8	< 0.5	3.5	NA
	04/01/91	230.0	< 1.0	< 1.0	6.3	NA
	05/01/91	4.3	< 0.5	< 0.5	1.3	NA
	06/01/91	280.0	0.9	0.6	13.0	NA
	07/01/91	130.0	< 0.5	< 0.5	8.7	NA
	09/01/91	250.0	0.5	< 0.5	12.0	NA
	10/01/91	140.0	< 2.5	< 2.5	< 2.5	NA
	11/01/91	180.0	< 5.0	< 5.0	< 5.0	NA
	12/01/91	180.0	< 5.0	< 5.0	< 5.0	NA
	01/07/92	120.0	< 2.5	< 2.5	< 2.5	NA
	02/18/92	140.0	< 2.5	< 2.5	< 2.5	NA
	03/17/92	120.0	< 2.5	0.8	1.4	NA
	04/30/92	100.0	2.1	1.4	2.2	NA
	10/13/92	1.2	< 0.5	0.8	0.8	NA
	04/21/93	< 0.5	< 0.5	0.7	1.4	NA
	10/03/95	< 0.5	< 0.5	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	< 0.5	0.6	0.8	NA
	02/26/97	0.9	0.6	1.0	1.8	NA
	05/21/97	0.7	< 0.5	1.0	1.6	NA
	08/19/97	1.2	0.5	0.9	< 5.0	NA
	11/18/97	0.6	< 0.5	0.7	1.3	NA
	02/10/98	0.5	< 0.5	0.7	< 0.5	NA
	06/09/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	09/29/98	< 0.5	0.6	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 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	< 0.5	< 0.5	< 0.5	0.6	NA	
10/31/02	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/20/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/17/14	Plugged and Abandoned					

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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	120.0	< 2.5	< 2.5	< 2.5	NA
	02/18/92	140.0	< 2.5	< 2.5	< 2.5	NA
	03/17/92	120.0	< 0.5	0.8	1.4	NA
	04/30/92	100.0	2.1	1.4	2.2	NA
	10/13/92	1.2	< 0.5	0.8	0.8	NA
	04/21/93	< 0.5	< 0.5	0.7	1.4	NA
	12/13/94	4700.0	13000.0	460.0	5900.0	NA
5-35B	04/22/93	360.0	1400.0	130.0	1700.0	NA
	05/18/10	5700.0	< 100.0	310.0	1900.0	NA
	09/25/11	3700.0	< 100.0	170.0	900.0	NA
	06/12/12	4000.0	< 100.0	190.0	1200.0	NA
	07/23/13	4100.0	< 100.0	180.0	1200.0	NA
	04/22/14	2500.0	< 20.0	110.0	830.0	NA
	04/13/15	980.0	< 50.0	61.0	480.0	NA
	04/21/16	2100.0	< 100	90.0	780.0	7
	03/28/17	1800.0	< 50.0	< 50.0	490.0	3
	6/20/2017	1300.0	< 20.0	28.0	250.0	5
	9/22/2017	1300.0	8.7	25.0	250.0	3
	4/19/2018	1800.0	< 20.0	36.0	300.0	27
	4/16/2019	2400.0	< 10.0	54.0	410.0	< 2.5
	10/3/2019	2500.0	< 10.0	59.0	470.0	< 2.5
	06/16/20	2800.0	< 50.0	66.0	470.0	< 5.0
	10/07/20	3200.0	< 20.0	120.0	570.0	4
	06/03/21	2500.0	< 5.0	68.0	300.0	7
10/14/21	1900.0	<10.0	48.0	300.0	3	
06/16/22	1200.0	<10.0	25.0	110.0	67	
	10/25/22	830.0	<10.0	19.0	21.0	70
5-36E	12/14/94	620.0	2700.0	230.0	3300.0	NA
5-37I	02/22/96	640.0	520.0	24.0	990.0	NA
	04/16/96	580.0	300.0	22.0	600.0	NA
	05/21/96	590.0	19.0	340.0	600.0	NA
	07/03/96	1100.0	600.0	31.0	880.0	NA
	08/15/96	310.0	54.0	14.0	430.0	NA
	11/22/96	440.0	140.0	20.0	520.0	NA
5-41B	10/09/92	47.0	3.9	0.7	1.0	NA
	04/20/93	1.4	< 0.5	2.5	2.1	NA
	10/04/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/16/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/13/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/25/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/20/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/18/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/26/14	Plugged and Abandoned				
5-47B	10/07/92	1.0	< 0.5	< 0.5	< 0.5	NA
	04/20/93	2.9	< 0.5	< 0.5	< 0.5	NA
	10/04/95	7.2	2.0	0.6	4.6	NA
	11/15/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/13/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/26/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/20/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/18/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	Plugged and Abandoned					

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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
5-48B	10/12/92	380.0	1100.0	84.0	840.0	NA
	04/21/93	99.0	390.0	34.0	360.0	NA
	10/05/95	550.0	940.0	290.0	1900.0	NA
	11/20/95	820.0	1700.0	390.0	2600.0	NA
	02/21/96	690.0	1100.0	550.0	3300.0	NA
	04/16/96	600.0	1700.0	420.0	3100.0	NA
	05/21/96	620.0	480.0	3600.0	3600.0	NA
	07/03/96	670.0	5100.0	410.0	3500.0	NA
	08/14/96	770.0	7600.0	340.0	3900.0	NA
	11/21/96	960.0	8500.0	330.0	3900.0	NA
	02/27/97	1100.0	10000.0	430.0	4700.0	NA
	05/22/97	1100.0	8000.0	450.0	4400.0	NA
	08/20/97	1200.0	7000.0	440.0	4200.0	NA
	11/19/97	1400.0	6900.0	330.0	3900.0	NA
	12/09/97	1800.0	7700.0	430.0	4700.0	NA
	01/08/98	1600.0	7600.0	440.0	4100.0	NA
	02/11/98	2100.0	8000.0	460.0	4600.0	NA
	06/11/98	2100.0	8000.0	200.0	3800.0	NA
	10/01/98	2100.0	6100.0	420.0	4300.0	NA
	04/28/99	1700.0	4400.0	140.0	3100.0	NA
	10/12/99	1000.0	1900.0	320.0	2900.0	NA
	05/12/00	1400.0	680.0	270.0	2200.0	NA
	11/17/00	860.0	157.0	259.0	2360.0	NA
	05/22/01	683.0	194.0	28.8	1703.0	NA
11/18/01	841.0	24.3	241.0	1893.0	NA	
04/20/02	1100.0	23.0	190.0	1700.0	NA	
10/30/02	5600.0	51.0	350.0	3100.0	NA	
05/21/03	2100.0	< 50.0	320.0	2700.0	NA	
11/11/03	4100.0	< 25.0	520.0	4700.0	NA	
06/07/04	3400.0	38.0	420.0	3200.0	NA	
06/09/05	2500.0	< 25.0	200.0	1500.0	NA	
5-57B	04/19/93	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/04/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/15/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/12/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/08/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/25/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/20/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
08/18/97	< 0.5	< 0.5	< 0.5	< 0.5	NA	
Plugged and Abandoned						
5-58B	04/19/93	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/04/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/16/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/12/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/18/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/25/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/20/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
08/18/97	< 0.5	< 0.5	< 0.5	< 0.5	NA	
Plugged and Abandoned						

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/30/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/09/05	< 0.5	< 0.5	< 0.5	< 0.5	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	
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	
06/16/22	< 1.0	< 1.0	< 1.0	< 1.5	62	
10/25/22	< 1.0	< 1.0	< 1.0	< 1.5	62	
5-60	11/18/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/20/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/31/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/09/05	< 0.5	< 0.5	< 0.5	< 0.5	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	
SVE-1	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	11/16/00	< 0.5	< 0.5	< 0.5	< 1.0	NA
	11/18/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/18/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/31/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/22/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA
11/18/14	Plugged and Abandoned					



**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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
SVE-3	05/18/10	6300.0	< 50.0	430.0	3900.0	NA
	09/25/11	6300.0	< 100.0	380.0	3300.0	NA
	06/12/12	5400.0	< 100.0	240.0	3500.0	NA
	07/23/13	6200.0	< 100.0	280.0	2700.0	NA
	04/22/14	6800.0	< 50.0	280.0	1900.0	NA
	04/13/15	5600.0	< 100.0	250.0	1400.0	NA
	04/21/16	4200.0	< 10.0	220.0	830.0	< 2.5
	03/28/17	4300.0	< 20.0	160.0	2900.0	< 0.5
	6/20/17	5700.0	< 20.0	270.0	4600.0	1
	9/22/17	3400.0	< 8.0	120.0	2200.0	< 2.5
	4/19/18	3700.0	< 20.0	140.0	390.0	31
	4/17/19	3500.0	< 20.0	160.0	210.0	2400
	10/4/19	3100.0	< 20.0	210.0	250.0	6400
	6/17/20	3700.0	< 20.0	310.0	260.0	5400
	10/8/20	4100.0	< 20.0	340.0	280.0	8000
06/03/21	3800.0	< 5.0	330.0	230.0	9000	
10/14/21	3800.0	<10.0	400.0	270.0	8700	
06/16/22	660.0	<10.0	82.0	38.0	920	
10/25/22	420.0	<10.0	40.0	<10.0	360	
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	23.0	5.4	1.2	9.4	12000
	6/16/2020	20.0	7.3	< 2.0	11.0	530
	10/7/2020	21.0	8.2	1.5	16.0	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
	06/19/22	1.5	<1.0	<1.0	<1.0	420
10/25/22	4.1	2.1	<1.0	4.1	910	
AS-10	4/20/2018	120.0	53.0	<5.0	35.0	34000
	4/17/2019	380.0	320.0	33.0	290.0	18000
	10/3/2019	200.0	170.0	13.0	52.0	11000
	6/16/2020	330.0	320.0	32.0	220.0	8700
	10/7/2020	400.0	380.0	39.0	300.0	4900
	06/03/21	400.0	400.0	38.0	290.0	3300
	10/14/21	210.0	200.0	17.0	130.0	1900
	06/16/22	240.0	300.0	21.0	140.0	1700
10/25/22	230.0	280.0	21.0	140.0	1700	
AS-15	4/20/2018	< 10.0	< 10.0	< 10.0	< 15.0	20000
	4/17/2019	39.0	< 5.0	< 5.0	< 10.0	29000
	10/4/2019	5.7	< 1.0	< 1.0	< 1.5	3500
	6/17/2020	120.0	12.0	1.6	16.0	16000
	10/8/2020	650.0	93.0	23.0	230.0	7000
	06/03/21	900.0	53.0	27.0	250.0	5500
	10/14/2021	630.0	26.0	9.2	93.0	5200
	6/16/2022	500.0	19.0	5.2	40.0	3300
10/25/2022	490.0	20.0	5.5	39.0	1900	

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 Groundwater Analytical Results (PCBs)**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
<b>EPA NPDWR Standard</b>		<b>0.5</b>						
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	94.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1990	< 1.0	< 1.0	< 1.0	11.0	< 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	28.0	< 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	210.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/1/1991	< 1.0	76.0	< 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	67.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/20/1992	< 1.0	82.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/18/1992	< 1.0	54.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/29/1992	< 1.0	71.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/1992	< 1.0	82.0	< 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	4.2	< 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	0.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
5/24/1996	< 1.0	34.0	< 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	38.0	< 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	38.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/2/1998	< 1.0	10.0	< 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	1.4	< 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 Groundwater Analytical Results (PCBs)**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
<b>EPA NPDWR Standard</b>		<b>0.5</b>						
5-06B	10/1/1989	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1989	< 1.0	180.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/1/1990	< 1.0	100.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/1/1990	< 1.0	170.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1990	< 1.0	< 1.0	< 1.0	39.0	< 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	65.0	< 1.0	< 1.0	< 1.0
	1/1/1991	< 1.0	< 1.0	< 1.0	39.0	< 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	250.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/1/1991	< 1.0	140.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/1/1991	< 1.0	210.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1991	< 1.0	270.0	< 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	190.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/20/1992	< 1.0	200.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/18/1992	< 1.0	140.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/29/1992	< 1.0	150.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/1992	< 1.0	280.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/14/1994	88.0	< 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	78.0	< 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	260.0	< 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	7.3	< 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 Groundwater Analytical Results (PCBs)**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
<b>EPA NPDWR Standard</b>		<b>0.5</b>						
5-06C	11/23/1997	< 0.5	160.0	< 0.5	114.0	< 0.5	< 0.5	< 0.5
	12/9/1997	< 0.5	< 0.5	65.0	< 0.5	< 0.5	< 0.5	< 0.5
	1/8/1998	< 0.5	220.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	2/12/1998	< 0.5	320.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/11/1998	< 0.5	180.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/2/1998	< 0.5	29.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	4/29/1999	7.1	320.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/14/1999	14.0	300.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	5/13/2000	7.2	< 0.5	< 0.5	266.0	< 0.5	< 0.5	< 0.5
	5/13/2000	6.6	< 0.5	< 0.5	263.0	< 0.5	< 0.5	< 0.5
	11/17/2000	< 0.5	< 1.0	< 0.5	5.2	< 0.5	< 0.5	< 0.5
	11/17/2000	4.5	< 0.5	< 0.5	5.2	< 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	5.8	< 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	150.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	4/20/2002	< 10.0	168.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	10/30/2002	--	41.0	< 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	
6/16/2022	1.9	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
10/25/2022	1.8	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	

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

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
<b>EPA NPDWR Standard</b>		<b>0.5</b>						
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
5-59	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
	7/28/2001	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/2001	--	< 0.5	< 0.5	<b>30.7</b>	< 0.5	< 0.5	< 0.5
	4/20/2002	< 10.0	<b>78.6</b>	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	10/30/2002	--	<b>19.0</b>	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/30/2002	--	<b>19.0</b>	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/21/2003	--	<b>14.0</b>	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/21/2003	--	<b>14.0</b>	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/2003	<b>11.0</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/2003	<b>9.7</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	<b>10.0</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	<b>11.0</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	<b>4.6</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	<b>3.3</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	<b>3.4</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	<b>3.3</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	<b>1.8</b>	< 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	<b>1.3</b>	< 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	<b>2.6</b>	< 1.0	< 1.0	< 1.0
	7/10/2012	< 1.0	< 1.0	< 1.0	<b>1.0</b>	< 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	<b>0.6</b>	< 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	<b>7.8</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
4/20/2018	<b>0.8</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
4/16/2019	<b>4.0</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
10/3/2019	<b>2.6</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
6/16/2020	<b>3.1</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
10/7/2020	<b>2.5</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
6/3/2021	< 0.25	< 0.25	< 0.25	<b>4.2</b>	< 0.25	< 0.25	< 0.25	
10/14/2021	<b>3.5</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
6/17/2022	<b>3.8</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
10/25/2022	<b>5.2</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	



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

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
<b>EPA NPDWR Standard</b>		<b>0.5</b>						
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 Groundwater Analytical Results (ISCO Monitoring Wells)**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate (mg/L)	Dissolved Iron (mg/L)	Total Iron (mg/L)	Dissolved Manganese (mg/L)
<b>EPA NPDWR Standard</b>		<b>5.0</b>	<b>1000</b>	<b>700</b>	<b>10000</b>	<b>250*</b>	<b>0.3*</b>	<b>NE</b>	<b>0.05*</b>
SVE-3	4/21/2016	<b>4200.0</b>	< 10.0	220.0	830	< 2.5	<b>3.2</b>	40.0	--
	3/28/2017	<b>4300.0</b>	< 20.0	160.0	2900	< 0.5	<b>0.4</b>	--	--
	6/20/2017	<b>5700.0</b>	< 20.0	270.0	4600	0.7	<b>4.1</b>	19.0	--
	9/22/2017	<b>3400.0</b>	< 8.0	120.0	2200	< 2.5	<b>3.6</b>	13.0	--
	4/19/2018	<b>3700.0</b>	< 20.0	140.0	390	31.0	< 0.02	--	<b>0.97</b>
	4/17/2019	<b>3500.0</b>	< 20.0	160.0	210	<b>2400.0</b>	<b>4.2</b>	54.0	<b>0.95</b>
	10/4/2019	<b>3100.0</b>	< 20.0	210.0	250	<b>6400.0</b>	<b>0.1</b>	2.4	<b>0.70</b>
	6/17/2020	<b>3700.0</b>	< 20.0	310.0	260	<b>5400.0</b>	--	--	--
	10/8/2020	<b>4100.0</b>	< 20.0	340.0	280	<b>8000.0</b>	--	--	--
	6/3/2021	<b>3800.0</b>	< 5.0	330.0	230	<b>9000.0</b>	--	--	--
	10/14/2021	<b>3800.0</b>	< 10.0	400.0	270	<b>8700.0</b>	--	--	--
6/16/2022	<b>660.0</b>	< 10.0	82.0	38	<b>920.0</b>	--	--	--	
10/25/2022	<b>420.0</b>	< 10.0	40.0	<10	<b>360.0</b>	--	--	--	
5-35B	4/21/2016	<b>2100.0</b>	< 100.0	90.0	780	7.3	<b>8.5</b>	36.0	--
	3/28/2017	<b>1800.0</b>	< 50.0	< 50.0	490	3.4	<b>2.1</b>	--	--
	6/20/2017	<b>1300.0</b>	< 20.0	28.0	250	5.2	<b>3.2</b>	22.0	--
	9/22/2017	<b>1300.0</b>	8.7	25.0	250	2.9	<b>8.2</b>	28.0	--
	4/19/2018	<b>1800.0</b>	< 20.0	36.0	300	27.0	<b>1.2</b>	--	<b>0.70</b>
	4/16/2019	<b>2400.0</b>	< 10.0	54.0	410	< 2.5	<b>7.0</b>	7.7	<b>0.63</b>
	10/3/2019	<b>2500.0</b>	< 10.0	59.0	470	< 2.5	<b>4.4</b>	11.0	<b>0.53</b>
	6/16/2020	<b>2800.0</b>	< 50.0	66.0	470	< 5.0	--	--	--
	10/7/2020	<b>3200.0</b>	< 20.0	120.0	570	4.4	--	--	--
	6/3/2021	<b>2500.0</b>	< 5.0	68.0	300	6.8	--	--	--
	10/14/2021	<b>1900.0</b>	<10.0	48.0	300	3.3	--	--	--
10/14/21	<b>1900.0</b>	<10.0	48.0	300	3.3	--	--	--	
06/16/22	<b>1200.0</b>	<10.0	25.0	110	67.0	--	--	--	
10/25/22	<b>830.0</b>	<10.0	19.0	21	70.0	--	--	--	
AS-4	4/20/2018	<5.0	<5.0	<5.0	< 7.5	<b>23000.0</b>	<b>0.3</b>	--	<b>3.00</b>
	4/16/2019	<b>8.4</b>	1.6	<1.0	5	<b>34000.0</b>	<b>2.2</b>	92.0	<b>2.10</b>
	10/3/2019	<b>23.0</b>	5.4	1.2	9	<b>12000.0</b>	<b>0.5</b>	18.0	<b>0.25</b>
	6/16/2020	<b>20.0</b>	7.3	< 2.0	11	<b>530.0</b>	--	--	--
	10/7/2020	<b>21.0</b>	8.2	1.5	16	<b>6900.0</b>	--	--	--
	6/3/2021	<b>5.3</b>	1.7	< 1.0	5	<b>5200.0</b>	--	--	--
	10/14/2021	<b>3.1</b>	1.1	<1.0	2	<b>1200.0</b>	--	--	--
	06/19/22	1.5	<1.0	<1.0	< 1	<b>420.0</b>	--	--	--
10/25/22	4.1	2.1	<1.0	4	<b>910.0</b>	--	--	--	
AS-10	4/20/2018	<b>120.0</b>	53.0	<5.0	35	<b>34000.0</b>	0.2	--	< 0.01
	4/17/2019	<b>380.0</b>	320.0	33.0	290	<b>18000.0</b>	< 0.02	5.9	< 0.002
	10/4/2019	<b>200.0</b>	170.0	13.0	52	<b>11000.0</b>	<b>0.9</b>	33.0	0.03
	6/16/2020	<b>330.0</b>	320.0	3.0	220	<b>8700.0</b>	--	--	--
	10/7/2020	<b>400.0</b>	380.0	39.0	300	<b>4900.0</b>	--	--	--
	6/3/2021	<b>400.0</b>	400.0	38.0	290	<b>3300.0</b>	--	--	--
	10/14/2021	<b>210.0</b>	200.0	17.0	130	<b>1900.0</b>	--	--	--
	06/16/22	<b>240.0</b>	300.0	21.0	140	<b>1700.0</b>	--	--	--
10/25/22	<b>230.0</b>	280.0	21.0	140	<b>1700.0</b>	--	--	--	
AS-15	4/20/2018	<10.0	< 10.0	< 10.0	< 15	<b>20000.0</b>	<b>1.0</b>	--	<b>40.00</b>
	4/17/2019	<b>39.0</b>	< 5.0	< 5.0	< 1	<b>29000.0</b>	<b>16.0</b>	65.0	<b>8.10</b>
	10/4/2019	<b>5.7</b>	< 1.0	< 1.0	< 1	<b>3500.0</b>	<0.02	1.3	0.0022
	6/17/2020	<b>120.0</b>	12.0	1.6	16	<b>16000.0</b>	--	--	--
	10/8/2020	<b>650.0</b>	93.0	23.0	230	<b>7000.0</b>	--	--	--
	6/3/2021	<b>900.0</b>	53.0	27.0	250	<b>5500.0</b>	--	--	--
	10/14/2021	<b>630.0</b>	26.0	9.2	93	<b>5200.0</b>	--	--	--
	6/16/2022	<b>500.0</b>	19.0	5.2	40	<b>3300.0</b>	--	--	--
10/25/2022	<b>490.0</b>	20.0	5.5	39	<b>1900.0</b>	--	--	--	

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

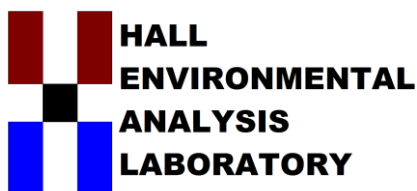
\* = Indicates a EPA Secondary Drinking Water Standard

**BOLD** = Concentrations that exceed the groundwater quality standard

# Appendices

# **Appendix A**

## **Laboratory Analytical Reports**



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

July 14, 2022

Angela Bown

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX:

RE: Thoreau

OrderNo.: 2206922

Dear Angela Bown:

Hall Environmental Analysis Laboratory received 13 sample(s) on 6/16/2022 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](http://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 white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-5-6

**Project:** Thoreau

**Collection Date:** 6/16/2022 9:15:00 AM

**Lab ID:** 2206922-001

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	59	5.0		mg/L	10	6/21/2022 5:06:55 PM	R88930
<b>EPA METHOD 8082A: PCB'S</b>							Analyst: <b>TOM</b>
Aroclor 1016	1.9	0.25		µg/L	1	7/6/2022 12:29:22 PM	68228
Aroclor 1221	ND	0.25		µg/L	1	7/6/2022 12:29:22 PM	68228
Aroclor 1232	ND	0.25		µg/L	1	7/6/2022 12:29:22 PM	68228
Aroclor 1242	ND	0.25		µg/L	1	7/6/2022 12:29:22 PM	68228
Aroclor 1248	ND	0.25		µg/L	1	7/6/2022 12:29:22 PM	68228
Aroclor 1254	ND	0.25		µg/L	1	7/6/2022 12:29:22 PM	68228
Aroclor 1260	ND	0.25		µg/L	1	7/6/2022 12:29:22 PM	68228
Surr: Decachlorobiphenyl	78.8	37.8-122		%Rec	1	7/6/2022 12:29:22 PM	68228
Surr: Tetrachloro-m-xylene	76.8	15-102		%Rec	1	7/6/2022 12:29:22 PM	68228
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	ND	1.0		µg/L	1	6/22/2022 1:01:00 AM	SL88901
Toluene	ND	1.0		µg/L	1	6/22/2022 1:01:00 AM	SL88901
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 1:01:00 AM	SL88901
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 1:01:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	85.2	70-130		%Rec	1	6/22/2022 1:01:00 AM	SL88901
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	6/22/2022 1:01:00 AM	SL88901
Surr: Dibromofluoromethane	98.3	70-130		%Rec	1	6/22/2022 1:01:00 AM	SL88901
Surr: Toluene-d8	93.2	70-130		%Rec	1	6/22/2022 1:01:00 AM	SL88901

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Estimated value
	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 interference	



**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-5-16

**Project:** Thoreau

**Collection Date:** 6/16/2022 12:40:00 PM

**Lab ID:** 2206922-002

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	99	5.0		mg/L	10	6/21/2022 5:31:44 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	11	1.0		µg/L	1	6/22/2022 1:24:00 AM	SL88901
Toluene	ND	1.0		µg/L	1	6/22/2022 1:24:00 AM	SL88901
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 1:24:00 AM	SL88901
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 1:24:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	80.6	70-130		%Rec	1	6/22/2022 1:24:00 AM	SL88901
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	6/22/2022 1:24:00 AM	SL88901
Surr: Dibromofluoromethane	93.9	70-130		%Rec	1	6/22/2022 1:24:00 AM	SL88901
Surr: Toluene-d8	96.0	70-130		%Rec	1	6/22/2022 1:24:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-5-18

**Project:** Thoreau

**Collection Date:** 6/16/2022 1:00:00 PM

**Lab ID:** 2206922-003

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	84	5.0		mg/L	10	6/21/2022 5:56:32 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	ND	1.0		µg/L	1	6/22/2022 1:47:00 AM	SL88901
Toluene	ND	1.0		µg/L	1	6/22/2022 1:47:00 AM	SL88901
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 1:47:00 AM	SL88901
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 1:47:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	78.1	70-130		%Rec	1	6/22/2022 1:47:00 AM	SL88901
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	6/22/2022 1:47:00 AM	SL88901
Surr: Dibromofluoromethane	94.4	70-130		%Rec	1	6/22/2022 1:47:00 AM	SL88901
Surr: Toluene-d8	96.3	70-130		%Rec	1	6/22/2022 1:47:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-5-20

**Project:** Thoreau

**Collection Date:** 6/16/2022 1:30:00 PM

**Lab ID:** 2206922-004

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	87	5.0		mg/L	10	6/21/2022 6:21:22 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	ND	1.0		µg/L	1	6/22/2022 2:10:00 AM	SL88901
Toluene	ND	1.0		µg/L	1	6/22/2022 2:10:00 AM	SL88901
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 2:10:00 AM	SL88901
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 2:10:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	79.1	70-130		%Rec	1	6/22/2022 2:10:00 AM	SL88901
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	6/22/2022 2:10:00 AM	SL88901
Surr: Dibromofluoromethane	96.2	70-130		%Rec	1	6/22/2022 2:10:00 AM	SL88901
Surr: Toluene-d8	96.3	70-130		%Rec	1	6/22/2022 2:10:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-5-35

**Project:** Thoreau

**Collection Date:** 6/16/2022 11:00:00 AM

**Lab ID:** 2206922-005

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	67	5.0		mg/L	10	6/21/2022 7:11:00 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	1200	100		µg/L	100	6/22/2022 2:34:00 AM	SL88901
Toluene	ND	10		µg/L	10	6/22/2022 2:57:00 AM	SL88901
Ethylbenzene	25	10		µg/L	10	6/22/2022 2:57:00 AM	SL88901
Xylenes, Total	110	15		µg/L	10	6/22/2022 2:57:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	75.3	70-130		%Rec	10	6/22/2022 2:57:00 AM	SL88901
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	10	6/22/2022 2:57:00 AM	SL88901
Surr: Dibromofluoromethane	90.3	70-130		%Rec	10	6/22/2022 2:57:00 AM	SL88901
Surr: Toluene-d8	96.5	70-130		%Rec	10	6/22/2022 2:57:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-5-59

**Project:** Thoreau

**Collection Date:** 6/16/2022 10:00:00 AM

**Lab ID:** 2206922-006

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	62	5.0		mg/L	10	6/21/2022 8:00:38 PM	R88930
<b>EPA METHOD 8082A: PCB'S</b>							Analyst: <b>TOM</b>
Aroclor 1016	3.8	0.25		µg/L	1	7/6/2022 1:05:23 PM	68228
Aroclor 1221	ND	0.25		µg/L	1	7/6/2022 1:05:23 PM	68228
Aroclor 1232	ND	0.25		µg/L	1	7/6/2022 1:05:23 PM	68228
Aroclor 1242	ND	0.25		µg/L	1	7/6/2022 1:05:23 PM	68228
Aroclor 1248	ND	0.25		µg/L	1	7/6/2022 1:05:23 PM	68228
Aroclor 1254	ND	0.25		µg/L	1	7/6/2022 1:05:23 PM	68228
Aroclor 1260	ND	0.25		µg/L	1	7/6/2022 1:05:23 PM	68228
Surr: Decachlorobiphenyl	78.0	37.8-122		%Rec	1	7/6/2022 1:05:23 PM	68228
Surr: Tetrachloro-m-xylene	76.0	15-102		%Rec	1	7/6/2022 1:05:23 PM	68228
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	ND	1.0		µg/L	1	6/22/2022 3:43:00 AM	SL88901
Toluene	ND	1.0		µg/L	1	6/22/2022 3:43:00 AM	SL88901
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 3:43:00 AM	SL88901
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 3:43:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	78.4	70-130		%Rec	1	6/22/2022 3:43:00 AM	SL88901
Surr: 4-Bromofluorobenzene	87.8	70-130		%Rec	1	6/22/2022 3:43:00 AM	SL88901
Surr: Dibromofluoromethane	95.4	70-130		%Rec	1	6/22/2022 3:43:00 AM	SL88901
Surr: Toluene-d8	94.4	70-130		%Rec	1	6/22/2022 3:43:00 AM	SL88901

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Estimated value
	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 interference	

**Analytical Report**

Lab Order **2206922**

Date Reported: 7/14/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-SVE

**Project:** Thoreau

**Collection Date:** 6/16/2022 12:20:00 PM

**Lab ID:** 2206922-007

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	920	50	*	mg/L	100	6/21/2022 8:37:51 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	660	10		µg/L	10	6/22/2022 4:29:00 AM	SL88901
Toluene	ND	10		µg/L	10	6/22/2022 4:29:00 AM	SL88901
Ethylbenzene	82	10		µg/L	10	6/22/2022 4:29:00 AM	SL88901
Xylenes, Total	38	15		µg/L	10	6/22/2022 4:29:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	76.7	70-130		%Rec	10	6/22/2022 4:29:00 AM	SL88901
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	10	6/22/2022 4:29:00 AM	SL88901
Surr: Dibromofluoromethane	91.8	70-130		%Rec	10	6/22/2022 4:29:00 AM	SL88901
Surr: Toluene-d8	98.7	70-130		%Rec	10	6/22/2022 4:29:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		



**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-AS-

**Project:** Thoreau

**Collection Date:** 6/16/2022 11:20:00 AM

**Lab ID:** 2206922-008

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	420	5.0	*	mg/L	10	6/21/2022 8:50:15 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	1.5	1.0		µg/L	1	6/22/2022 5:15:00 AM	SL88901
Toluene	ND	1.0		µg/L	1	6/22/2022 5:15:00 AM	SL88901
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 5:15:00 AM	SL88901
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 5:15:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	75.8	70-130		%Rec	1	6/22/2022 5:15:00 AM	SL88901
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	6/22/2022 5:15:00 AM	SL88901
Surr: Dibromofluoromethane	92.7	70-130		%Rec	1	6/22/2022 5:15:00 AM	SL88901
Surr: Toluene-d8	96.5	70-130		%Rec	1	6/22/2022 5:15:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

**Analytical Report**

Lab Order **2206922**

Date Reported: 7/14/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-AS-

**Project:** Thoreau

**Collection Date:** 6/16/2022 11:40:00 AM

**Lab ID:** 2206922-009

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	1700	50	*	mg/L	100	6/21/2022 9:52:17 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	240	10		µg/L	10	6/22/2022 5:38:00 AM	SL88901
Toluene	300	10		µg/L	10	6/22/2022 5:38:00 AM	SL88901
Ethylbenzene	21	10		µg/L	10	6/22/2022 5:38:00 AM	SL88901
Xylenes, Total	140	15		µg/L	10	6/22/2022 5:38:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	73.6	70-130		%Rec	10	6/22/2022 5:38:00 AM	SL88901
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	10	6/22/2022 5:38:00 AM	SL88901
Surr: Dibromofluoromethane	88.0	70-130		%Rec	10	6/22/2022 5:38:00 AM	SL88901
Surr: Toluene-d8	96.9	70-130		%Rec	10	6/22/2022 5:38:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-AS-

**Project:** Thoreau

**Collection Date:** 6/16/2022 12:00:00 PM

**Lab ID:** 2206922-010

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	3300	50	*	mg/L	100	6/21/2022 10:17:05 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	500	20		µg/L	20	6/22/2022 6:01:00 AM	SL88901
Toluene	19	2.0		µg/L	2	6/22/2022 6:24:00 AM	SL88901
Ethylbenzene	5.2	2.0		µg/L	2	6/22/2022 6:24:00 AM	SL88901
Xylenes, Total	40	3.0		µg/L	2	6/22/2022 6:24:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	74.6	70-130		%Rec	2	6/22/2022 6:24:00 AM	SL88901
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	2	6/22/2022 6:24:00 AM	SL88901
Surr: Dibromofluoromethane	88.3	70-130		%Rec	2	6/22/2022 6:24:00 AM	SL88901
Surr: Toluene-d8	98.0	70-130		%Rec	2	6/22/2022 6:24:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-TA

**Project:** Thoreau

**Collection Date:** 6/16/2022 2:00:00 PM

**Lab ID:** 2206922-011

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Sulfate	8300	100	*	mg/L	200	6/28/2022 10:54:35 AM	R89101
<b>EPA METHOD 8082A: PCB'S</b>							Analyst: <b>TOM</b>
Aroclor 1016	0.96	0.25		µg/L	1	7/6/2022 1:41:23 PM	68228
Aroclor 1221	ND	0.25		µg/L	1	7/6/2022 1:41:23 PM	68228
Aroclor 1232	ND	0.25		µg/L	1	7/6/2022 1:41:23 PM	68228
Aroclor 1242	ND	0.25		µg/L	1	7/6/2022 1:41:23 PM	68228
Aroclor 1248	ND	0.25		µg/L	1	7/6/2022 1:41:23 PM	68228
Aroclor 1254	ND	0.25		µg/L	1	7/6/2022 1:41:23 PM	68228
Aroclor 1260	ND	0.25		µg/L	1	7/6/2022 1:41:23 PM	68228
Surr: Decachlorobiphenyl	80.8	37.8-122		%Rec	1	7/6/2022 1:41:23 PM	68228
Surr: Tetrachloro-m-xylene	78.0	15-102		%Rec	1	7/6/2022 1:41:23 PM	68228

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-DUP

**Project:** Thoreau

**Collection Date:** 6/16/2022

**Lab ID:** 2206922-012

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	85	5.0		mg/L	10	6/21/2022 10:54:18 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>BRM</b>
Benzene	ND	1.0		µg/L	1	6/22/2022 2:18:39 PM	B88962
Toluene	ND	1.0		µg/L	1	6/22/2022 2:18:39 PM	B88962
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 2:18:39 PM	B88962
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 2:18:39 PM	B88962
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	6/22/2022 2:18:39 PM	B88962
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	6/22/2022 2:18:39 PM	B88962
Surr: Dibromofluoromethane	111	70-130		%Rec	1	6/22/2022 2:18:39 PM	B88962
Surr: Toluene-d8	99.5	70-130		%Rec	1	6/22/2022 2:18:39 PM	B88962

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

**Analytical Report**

Lab Order **2206922**

Date Reported: 7/14/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** TRIP BLANK

**Project:** Thoreau

**Collection Date:**

**Lab ID:** 2206922-013

**Matrix:** TRIP BLANK

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	ND	1.0		µg/L	1	6/22/2022 7:33:00 AM	SL88901
Toluene	ND	1.0		µg/L	1	6/22/2022 7:33:00 AM	SL88901
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 7:33:00 AM	SL88901
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 7:33:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	78.1	70-130		%Rec	1	6/22/2022 7:33:00 AM	SL88901
Surr: 4-Bromofluorobenzene	88.3	70-130		%Rec	1	6/22/2022 7:33:00 AM	SL88901
Surr: Dibromofluoromethane	93.1	70-130		%Rec	1	6/22/2022 7:33:00 AM	SL88901
Surr: Toluene-d8	94.9	70-130		%Rec	1	6/22/2022 7:33:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206922

14-Jul-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>MB</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R88930</b>	RunNo: <b>88930</b>								
Prep Date:	Analysis Date: <b>6/21/2022</b>	SeqNo: <b>3158043</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID: <b>LCS</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R88930</b>	RunNo: <b>88930</b>								
Prep Date:	Analysis Date: <b>6/21/2022</b>	SeqNo: <b>3158044</b>			Units: <b>mg/L</b>					
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: <b>2206922-005BMS</b>	SampType: <b>ms</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>GW-12574705-06162</b>	Batch ID: <b>R88930</b>	RunNo: <b>88930</b>								
Prep Date:	Analysis Date: <b>6/21/2022</b>	SeqNo: <b>3158066</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	170	5.0	100.0	67.48	106	90.5	112			

Sample ID: <b>2206922-005BMSD</b>	SampType: <b>msd</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>GW-12574705-06162</b>	Batch ID: <b>R88930</b>	RunNo: <b>88930</b>								
Prep Date:	Analysis Date: <b>6/21/2022</b>	SeqNo: <b>3158067</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	170	5.0	100.0	67.48	104	90.5	112	0.742	20	

Sample ID: <b>MB</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R89101</b>	RunNo: <b>89101</b>								
Prep Date:	Analysis Date: <b>6/28/2022</b>	SeqNo: <b>3166030</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID: <b>LCS</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R89101</b>	RunNo: <b>89101</b>								
Prep Date:	Analysis Date: <b>6/28/2022</b>	SeqNo: <b>3166031</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	10	0.50	10.00	0	104	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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206922

14-Jul-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>MB-68228</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>PBW</b>	Batch ID: <b>68228</b>	RunNo: <b>89237</b>								
Prep Date: <b>6/20/2022</b>	Analysis Date: <b>7/6/2022</b>	SeqNo: <b>3173541</b>			Units: <b>µg/L</b>					
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	2.0		2.500		79.6	37.8	122			
Surr: Tetrachloro-m-xylene	1.8		2.500		70.4	15	102			

Sample ID: <b>LCS-68228</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>68228</b>	RunNo: <b>89237</b>								
Prep Date: <b>6/20/2022</b>	Analysis Date: <b>7/6/2022</b>	SeqNo: <b>3173542</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.6	0.25	5.000	0	71.8	35.6	103			
Aroclor 1260	4.2	0.25	5.000	0	83.8	69.5	120			
Surr: Decachlorobiphenyl	1.7		2.500		69.2	37.8	122			
Surr: Tetrachloro-m-xylene	1.5		2.500		60.8	15	102			

Sample ID: <b>LCSD-68228</b>	SampType: <b>LCSD</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>LCSS02</b>	Batch ID: <b>68228</b>	RunNo: <b>89237</b>								
Prep Date: <b>6/20/2022</b>	Analysis Date: <b>7/6/2022</b>	SeqNo: <b>3173543</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.9	0.25	5.000	0	77.4	35.6	103	7.51	28.1	
Aroclor 1260	4.4	0.25	5.000	0	87.8	69.5	120	4.66	20	
Surr: Decachlorobiphenyl	1.9		2.500		74.4	37.8	122	0	0	
Surr: Tetrachloro-m-xylene	1.6		2.500		64.4	15	102	0	0	

Sample ID: <b>MB-68228</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>PBW</b>	Batch ID: <b>68228</b>	RunNo: <b>89237</b>								
Prep Date: <b>6/20/2022</b>	Analysis Date: <b>7/6/2022</b>	SeqNo: <b>3173562</b>			Units: <b>µg/L</b>					
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								

**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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206922

14-Jul-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>MB-68228</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>PBW</b>	Batch ID: <b>68228</b>	RunNo: <b>89237</b>								
Prep Date: <b>6/20/2022</b>	Analysis Date: <b>7/6/2022</b>	SeqNo: <b>3173562</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.25								
Aroclor 1260	ND	0.25								
Surr: Decachlorobiphenyl	2.1		2.500		82.8	37.8	122			
Surr: Tetrachloro-m-xylene	1.7		2.500		66.4	15	102			

**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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206922

14-Jul-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>mb 2</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>PBW</b>	Batch ID: <b>SL88901</b>	RunNo: <b>88901</b>								
Prep Date:	Analysis Date: <b>6/21/2022</b>	SeqNo: <b>3157939</b>			Units: <b>µg/L</b>					
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	7.7		10.00		77.0	70	130			
Surr: 4-Bromofluorobenzene	8.9		10.00		89.1	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.6	70	130			
Surr: Toluene-d8	9.6		10.00		95.7	70	130			

Sample ID: <b>100ng Ics 2</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>SL88901</b>	RunNo: <b>88901</b>								
Prep Date:	Analysis Date: <b>6/21/2022</b>	SeqNo: <b>3157940</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	106	70	130			
Toluene	22	1.0	20.00	0	110	70	130			
Surr: 1,2-Dichloroethane-d4	8.5		10.00		85.2	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.0	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.7	70	130			
Surr: Toluene-d8	9.7		10.00		97.4	70	130			

Sample ID: <b>2206922-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>GW-12574705-06162</b>	Batch ID: <b>SL88901</b>	RunNo: <b>88901</b>								
Prep Date:	Analysis Date: <b>6/22/2022</b>	SeqNo: <b>3157957</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	93.2	70	130			
Toluene	21	1.0	20.00	0	106	70	130			
Surr: 1,2-Dichloroethane-d4	7.7		10.00		76.8	70	130			
Surr: 4-Bromofluorobenzene	9.1		10.00		91.0	70	130			
Surr: Dibromofluoromethane	9.5		10.00		94.8	70	130			
Surr: Toluene-d8	9.5		10.00		95.0	70	130			

Sample ID: <b>2206922-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>GW-12574705-06162</b>	Batch ID: <b>SL88901</b>	RunNo: <b>88901</b>								
Prep Date:	Analysis Date: <b>6/22/2022</b>	SeqNo: <b>3157958</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	90.4	70	130	2.98	20	
Toluene	20	1.0	20.00	0	102	70	130	3.29	20	

**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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206922

14-Jul-22

**Client:** GHD  
**Project:** Thoreau

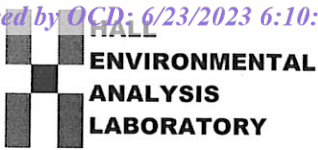
Sample ID: <b>2206922-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>GW-12574705-06162</b>	Batch ID: <b>SL88901</b>	RunNo: <b>88901</b>								
Prep Date:	Analysis Date: <b>6/22/2022</b>	SeqNo: <b>3157958</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	7.6		10.00		76.2	70	130	0	0	
Surr: 4-Bromofluorobenzene	9.0		10.00		89.8	70	130	0	0	
Surr: Dibromofluoromethane	9.2		10.00		92.0	70	130	0	0	
Surr: Toluene-d8	9.7		10.00		96.6	70	130	0	0	

Sample ID: <b>100ng lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>B88962</b>	RunNo: <b>88962</b>								
Prep Date:	Analysis Date: <b>6/22/2022</b>	SeqNo: <b>3159176</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	99.1	70	130			
Toluene	19	1.0	20.00	0	96.7	70	130			
Surr: 1,2-Dichloroethane-d4	9.1		10.00		90.6	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.2	70	130			
Surr: Toluene-d8	9.6		10.00		96.1	70	130			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>PBW</b>	Batch ID: <b>B88962</b>	RunNo: <b>88962</b>								
Prep Date:	Analysis Date: <b>6/22/2022</b>	SeqNo: <b>3159178</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.8		10.00		97.6	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		96.0	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.9	70	130			
Surr: Toluene-d8	10		10.00		101	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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- 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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD Work Order Number: 2206922 RcptNo: 1

Received By: Juan Rojas 6/16/2022 2:35:00 PM
Completed By: Cheyenne Cason 6/16/2022 2:51:19 PM
Reviewed By: JMC 6/17/22
sub date: jn 6/16/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Client

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [checked] No [ ] NA [ ]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted? jn 6/17/22
Checked by: jn 6/17/22
labeled vials: HQA 6.16.22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_
By Whom: \_\_\_\_\_ Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person
Regarding: \_\_\_\_\_
Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 15.3, Good, Not Present, , ,



# Chain-of-Custody Record

Client: EHD

Mailing Address: on file

Phone #: \_\_\_\_\_

email or Fax# christine.mathews@ghd.com

QA/QC Package:

Standard  Level 4 (Full Validation)

Accreditation:  AZ Compliance

NELAC  Other

EDD (Type) \_\_\_\_\_

Turn-Around Time:

Standard  Rush

Project Name: Thoreau

Project #: 12574705

Project Manager: Christine Mathews

Sampler: AM

On Ice:  Yes  No

# of Coolers: \_\_\_\_\_

Cooler Temp (including CF): 15.30 ± 15.3 (°C)

Container Type and #

Preservative Type

HEAL No.

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
6-16-21	0915	W	GW-12574705-061622-CN-5-6C	WV-005	UCL	2206922
	1240		GW-12574705-061622-CN-5-16B			001
	1300		GW-12574705-061622-CN-5-17B			002
	1330		GW-12574705-061622-CN-5-20B			003
	1400		GW-12574705-061622-CN-5-35B			004
	1500		GW-12574705-061622-CN-5-59			005
	1220		GW-12574705-061622-CN-51E-3			006
	1120		GW-12574705-061622-CN-51E-9			007
	1140		GW-12574705-061622-CN-51E-10			008
	1200		GW-12574705-061622-CN-AS-15			009
	1400		GW-12574705-061622-CN-Trunk			010
			GW-12574705-061622-CN-DOP			011
						012

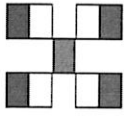
Date: 6-16-22 Time: 1500  
 Relinquished by: [Signature]  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_

Received by: [Signature] Date: 6/16/22 Time: 14:35  
 Via: COO  
 Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Via: \_\_\_\_\_

## Analysis Request

BTEX / MTBE / TMBs (8021)	
TPH:8015D(GRO / DRO / MRO)	
8081 Pesticides/8082 PCBs	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	
BTEX	
Sulfate	
PCBs	

Remarks: TRIP BLANK per same plate bottle in 6/15/22

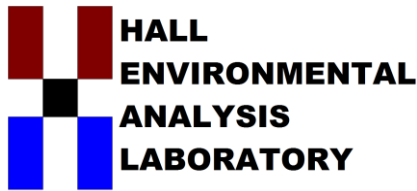


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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



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

November 22, 2022

Christine Mathews

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX:

RE: Thoreau

OrderNo.: 2210D32

Dear Christine Mathews:

Hall Environmental Analysis Laboratory received 13 sample(s) on 10/26/2022 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](http://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 in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** 5-6C

**Project:** Thoreau

**Collection Date:** 10/26/2022 8:30:00 AM

**Lab ID:** 2210D32-001

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	51	5.0		mg/L	10	10/31/2022 9:00:47 AM	R92222
<b>EPA METHOD 8082A: PCB'S</b>							Analyst: <b>TOM</b>
Aroclor 1016	1.8	0.50		µg/L	1	11/7/2022 1:22:33 PM	71178
Aroclor 1221	ND	0.50		µg/L	1	11/7/2022 1:22:33 PM	71178
Aroclor 1232	ND	0.50		µg/L	1	11/7/2022 1:22:33 PM	71178
Aroclor 1242	ND	0.50		µg/L	1	11/7/2022 1:22:33 PM	71178
Aroclor 1248	ND	0.50		µg/L	1	11/7/2022 1:22:33 PM	71178
Aroclor 1254	ND	0.50		µg/L	1	11/7/2022 1:22:33 PM	71178
Aroclor 1260	ND	0.50		µg/L	1	11/7/2022 1:22:33 PM	71178
Surr: Decachlorobiphenyl	113	37.8-122		%Rec	1	11/7/2022 1:22:33 PM	71178
Surr: Tetrachloro-m-xylene	103	15-102	S	%Rec	1	11/7/2022 1:22:33 PM	71178
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	ND	1.0		µg/L	1	11/5/2022 4:24:31 AM	R92357
Toluene	ND	1.0		µg/L	1	11/5/2022 4:24:31 AM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 4:24:31 AM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/5/2022 4:24:31 AM	R92357
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	11/5/2022 4:24:31 AM	R92357
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/5/2022 4:24:31 AM	R92357
Surr: Dibromofluoromethane	101	70-130		%Rec	1	11/5/2022 4:24:31 AM	R92357
Surr: Toluene-d8	97.8	70-130		%Rec	1	11/5/2022 4:24:31 AM	R92357

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** 5-59

**Project:** Thoreau

**Collection Date:** 10/26/2022 9:00:00 AM

**Lab ID:** 2210D32-002

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	61	5.0		mg/L	10	10/31/2022 10:15:17 AM	R92222
<b>EPA METHOD 8082A: PCB'S</b>							Analyst: <b>TOM</b>
Aroclor 1016	5.2	0.50		µg/L	1	11/7/2022 1:59:43 PM	71178
Aroclor 1221	ND	0.50		µg/L	1	11/7/2022 1:59:43 PM	71178
Aroclor 1232	ND	0.50		µg/L	1	11/7/2022 1:59:43 PM	71178
Aroclor 1242	ND	0.50		µg/L	1	11/7/2022 1:59:43 PM	71178
Aroclor 1248	ND	0.50		µg/L	1	11/7/2022 1:59:43 PM	71178
Aroclor 1254	ND	0.50		µg/L	1	11/7/2022 1:59:43 PM	71178
Aroclor 1260	ND	0.50		µg/L	1	11/7/2022 1:59:43 PM	71178
Surr: Decachlorobiphenyl	118	37.8-122		%Rec	1	11/7/2022 1:59:43 PM	71178
Surr: Tetrachloro-m-xylene	108	15-102	S	%Rec	1	11/7/2022 1:59:43 PM	71178
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	ND	1.0		µg/L	1	11/5/2022 5:49:41 AM	R92357
Toluene	ND	1.0		µg/L	1	11/5/2022 5:49:41 AM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 5:49:41 AM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/5/2022 5:49:41 AM	R92357
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	11/5/2022 5:49:41 AM	R92357
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/5/2022 5:49:41 AM	R92357
Surr: Dibromofluoromethane	101	70-130		%Rec	1	11/5/2022 5:49:41 AM	R92357
Surr: Toluene-d8	99.3	70-130		%Rec	1	11/5/2022 5:49:41 AM	R92357

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** 5-35B

**Project:** Thoreau

**Collection Date:** 10/26/2022 10:00:00 AM

**Lab ID:** 2210D32-003

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	70	5.0		mg/L	10	10/31/2022 10:40:07 AM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	830	10		µg/L	10	11/5/2022 6:46:25 AM	R92357
Toluene	ND	10		µg/L	10	11/5/2022 6:46:25 AM	R92357
Ethylbenzene	19	10		µg/L	10	11/5/2022 6:46:25 AM	R92357
Xylenes, Total	21	15		µg/L	10	11/5/2022 6:46:25 AM	R92357
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	10	11/5/2022 6:46:25 AM	R92357
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	10	11/5/2022 6:46:25 AM	R92357
Surr: Dibromofluoromethane	92.8	70-130		%Rec	10	11/5/2022 6:46:25 AM	R92357
Surr: Toluene-d8	99.3	70-130		%Rec	10	11/5/2022 6:46:25 AM	R92357

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** AS-4

**Project:** Thoreau

**Collection Date:** 10/26/2022 10:30:00 AM

**Lab ID:** 2210D32-004

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	910	50	*	mg/L	100	10/31/2022 11:17:22 AM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	4.1	1.0		µg/L	1	11/5/2022 7:14:45 AM	R92357
Toluene	2.1	1.0		µg/L	1	11/5/2022 7:14:45 AM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 7:14:45 AM	R92357
Xylenes, Total	4.1	1.5		µg/L	1	11/5/2022 7:14:45 AM	R92357
Surr: 1,2-Dichloroethane-d4	99.4	70-130		%Rec	1	11/5/2022 7:14:45 AM	R92357
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	11/5/2022 7:14:45 AM	R92357
Surr: Dibromofluoromethane	95.3	70-130		%Rec	1	11/5/2022 7:14:45 AM	R92357
Surr: Toluene-d8	101	70-130		%Rec	1	11/5/2022 7:14:45 AM	R92357

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	



**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** AS-10

**Project:** Thoreau

**Collection Date:** 10/26/2022 11:00:00 AM

**Lab ID:** 2210D32-005

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	1700	50	*	mg/L	100	10/31/2022 11:42:12 AM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	230	10		µg/L	10	11/5/2022 7:43:05 AM	R92357
Toluene	280	10		µg/L	10	11/5/2022 7:43:05 AM	R92357
Ethylbenzene	21	10		µg/L	10	11/5/2022 7:43:05 AM	R92357
Xylenes, Total	140	15		µg/L	10	11/5/2022 7:43:05 AM	R92357
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	10	11/5/2022 7:43:05 AM	R92357
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	10	11/5/2022 7:43:05 AM	R92357
Surr: Dibromofluoromethane	92.3	70-130		%Rec	10	11/5/2022 7:43:05 AM	R92357
Surr: Toluene-d8	101	70-130		%Rec	10	11/5/2022 7:43:05 AM	R92357

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** AS-15

**Project:** Thoreau

**Collection Date:** 10/26/2022 11:30:00 AM

**Lab ID:** 2210D32-006

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	1900	50	*	mg/L	100	10/31/2022 12:07:02 PM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	490	20		µg/L	20	11/5/2022 8:11:27 AM	R92357
Toluene	20	2.0		µg/L	2	11/5/2022 8:39:51 AM	R92357
Ethylbenzene	5.5	2.0		µg/L	2	11/5/2022 8:39:51 AM	R92357
Xylenes, Total	39	3.0		µg/L	2	11/5/2022 8:39:51 AM	R92357
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	2	11/5/2022 8:39:51 AM	R92357
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	2	11/5/2022 8:39:51 AM	R92357
Surr: Dibromofluoromethane	94.5	70-130		%Rec	2	11/5/2022 8:39:51 AM	R92357
Surr: Toluene-d8	102	70-130		%Rec	2	11/5/2022 8:39:51 AM	R92357

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** SVE-3

**Project:** Thoreau

**Collection Date:** 10/26/2022 12:00:00 PM

**Lab ID:** 2210D32-007

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	360	5.0	*	mg/L	10	10/31/2022 12:44:16 PM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	420	10		µg/L	10	11/5/2022 9:08:15 AM	R92357
Toluene	ND	10		µg/L	10	11/5/2022 9:08:15 AM	R92357
Ethylbenzene	40	10		µg/L	10	11/5/2022 9:08:15 AM	R92357
Xylenes, Total	ND	15		µg/L	10	11/5/2022 9:08:15 AM	R92357
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	10	11/5/2022 9:08:15 AM	R92357
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	10	11/5/2022 9:08:15 AM	R92357
Surr: Dibromofluoromethane	99.6	70-130		%Rec	10	11/5/2022 9:08:15 AM	R92357
Surr: Toluene-d8	100	70-130		%Rec	10	11/5/2022 9:08:15 AM	R92357

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** 5-16B

**Project:** Thoreau

**Collection Date:** 10/26/2022 12:30:00 PM

**Lab ID:** 2210D32-008

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	93	5.0		mg/L	10	10/31/2022 1:09:06 PM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	19	1.0		µg/L	1	11/5/2022 9:36:39 AM	R92357
Toluene	ND	1.0		µg/L	1	11/5/2022 9:36:39 AM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 9:36:39 AM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/5/2022 9:36:39 AM	R92357
Surr: 1,2-Dichloroethane-d4	111	70-130		%Rec	1	11/5/2022 9:36:39 AM	R92357
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	11/5/2022 9:36:39 AM	R92357
Surr: Dibromofluoromethane	103	70-130		%Rec	1	11/5/2022 9:36:39 AM	R92357
Surr: Toluene-d8	99.5	70-130		%Rec	1	11/5/2022 9:36:39 AM	R92357

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** 5-18B

**Project:** Thoreau

**Collection Date:** 10/26/2022 1:00:00 PM

**Lab ID:** 2210D32-009

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	70	5.0		mg/L	10	10/31/2022 1:33:54 PM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	ND	1.0		µg/L	1	11/5/2022 10:05:04 AM	R92357
Toluene	ND	1.0		µg/L	1	11/5/2022 10:05:04 AM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 10:05:04 AM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/5/2022 10:05:04 AM	R92357
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	11/5/2022 10:05:04 AM	R92357
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/5/2022 10:05:04 AM	R92357
Surr: Dibromofluoromethane	102	70-130		%Rec	1	11/5/2022 10:05:04 AM	R92357
Surr: Toluene-d8	98.8	70-130		%Rec	1	11/5/2022 10:05:04 AM	R92357

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** 5-20B

**Project:** Thoreau

**Collection Date:** 10/26/2022 1:30:00 PM

**Lab ID:** 2210D32-010

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	100	5.0		mg/L	10	10/31/2022 1:58:43 PM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	ND	1.0		µg/L	1	11/5/2022 10:33:32 AM	R92357
Toluene	ND	1.0		µg/L	1	11/5/2022 10:33:32 AM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 10:33:32 AM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/5/2022 10:33:32 AM	R92357
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	11/5/2022 10:33:32 AM	R92357
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/5/2022 10:33:32 AM	R92357
Surr: Dibromofluoromethane	104	70-130		%Rec	1	11/5/2022 10:33:32 AM	R92357
Surr: Toluene-d8	96.4	70-130		%Rec	1	11/5/2022 10:33:32 AM	R92357

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		



**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** Tank

**Project:** Thoreau

**Collection Date:** 10/26/2022 1:45:00 PM

**Lab ID:** 2210D32-011

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8082A: PCB'S</b>							Analyst: <b>TOM</b>
Aroclor 1016	ND	0.50		µg/L	1	11/7/2022 2:37:03 PM	71178
Aroclor 1221	ND	0.50		µg/L	1	11/7/2022 2:37:03 PM	71178
Aroclor 1232	ND	0.50		µg/L	1	11/7/2022 2:37:03 PM	71178
Aroclor 1242	ND	0.50		µg/L	1	11/7/2022 2:37:03 PM	71178
Aroclor 1248	ND	0.50		µg/L	1	11/7/2022 2:37:03 PM	71178
Aroclor 1254	ND	0.50		µg/L	1	11/7/2022 2:37:03 PM	71178
Aroclor 1260	ND	0.50		µg/L	1	11/7/2022 2:37:03 PM	71178
Surr: Decachlorobiphenyl	110	37.8-122		%Rec	1	11/7/2022 2:37:03 PM	71178
Surr: Tetrachloro-m-xylene	89.2	15-102		%Rec	1	11/7/2022 2:37:03 PM	71178

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** Dup

**Project:** Thoreau

**Collection Date:**

**Lab ID:** 2210D32-012

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Sulfate	100	5.0		mg/L	10	10/31/2022 2:23:33 PM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: RAA
Benzene	ND	1.0		µg/L	1	11/8/2022 12:48:12 PM	R92357
Toluene	ND	1.0		µg/L	1	11/8/2022 12:48:12 PM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/8/2022 12:48:12 PM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/8/2022 12:48:12 PM	R92357
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	11/8/2022 12:48:12 PM	R92357
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/8/2022 12:48:12 PM	R92357
Surr: Dibromofluoromethane	107	70-130		%Rec	1	11/8/2022 12:48:12 PM	R92357
Surr: Toluene-d8	95.6	70-130		%Rec	1	11/8/2022 12:48:12 PM	R92357

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** TRIP BLANK

**Project:** Thoreau

**Collection Date:**

**Lab ID:** 2210D32-013

**Matrix:** TRIP BLANK

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	ND	1.0		µg/L	1	11/5/2022 11:30:49 AM	R92357
Toluene	ND	1.0		µg/L	1	11/5/2022 11:30:49 AM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 11:30:49 AM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/5/2022 11:30:49 AM	R92357
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	11/5/2022 11:30:49 AM	R92357
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	11/5/2022 11:30:49 AM	R92357
Surr: Dibromofluoromethane	102	70-130		%Rec	1	11/5/2022 11:30:49 AM	R92357
Surr: Toluene-d8	96.7	70-130		%Rec	1	11/5/2022 11:30:49 AM	R92357

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2210D32

22-Nov-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R92222</b>	RunNo: <b>92222</b>								
Prep Date:	Analysis Date: <b>10/31/2022</b>	SeqNo: <b>3312119</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R92222</b>	RunNo: <b>92222</b>								
Prep Date:	Analysis Date: <b>10/31/2022</b>	SeqNo: <b>3312120</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	10	0.50	10.00	0	99.8	90	110			

Sample ID: <b>2210D32-001CMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>5-6C</b>	Batch ID: <b>R92222</b>	RunNo: <b>92222</b>								
Prep Date:	Analysis Date: <b>10/31/2022</b>	SeqNo: <b>3312124</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	150	5.0	100.0	50.86	99.3	90	110			

Sample ID: <b>2210D32-001CMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>5-6C</b>	Batch ID: <b>R92222</b>	RunNo: <b>92222</b>								
Prep Date:	Analysis Date: <b>10/31/2022</b>	SeqNo: <b>3312125</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	150	5.0	100.0	50.86	99.7	90	110	0.231	20	

**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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2210D32

22-Nov-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>MB-71178</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>PBW</b>	Batch ID: <b>71178</b>	RunNo: <b>92403</b>								
Prep Date: <b>10/31/2022</b>	Analysis Date: <b>11/7/2022</b>	SeqNo: <b>3322567</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50								
Aroclor 1221	ND	0.50								
Aroclor 1232	ND	0.50								
Aroclor 1242	ND	0.50								
Aroclor 1248	ND	0.50								
Aroclor 1254	ND	0.50								
Aroclor 1260	ND	0.50								
Surr: Decachlorobiphenyl	2.7		2.500		109	37.8	122			
Surr: Tetrachloro-m-xylene	2.4		2.500		96.8	15	102			

Sample ID: <b>LCS-71178</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>71178</b>	RunNo: <b>92403</b>								
Prep Date: <b>10/31/2022</b>	Analysis Date: <b>11/7/2022</b>	SeqNo: <b>3322568</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	2.9	0.50	5.000	0	58.4	35.6	103			
Aroclor 1260	3.7	0.50	5.000	0	74.8	69.5	120			
Surr: Decachlorobiphenyl	2.8		2.500		111	37.8	122			
Surr: Tetrachloro-m-xylene	2.7		2.500		109	15	102			S

Sample ID: <b>LCSD-71178</b>	SampType: <b>LCSD</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>LCSS02</b>	Batch ID: <b>71178</b>	RunNo: <b>92403</b>								
Prep Date: <b>10/31/2022</b>	Analysis Date: <b>11/7/2022</b>	SeqNo: <b>3322569</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.2	0.50	5.000	0	64.6	35.6	103	10.1	28.1	
Aroclor 1260	4.8	0.50	5.000	0	96.4	69.5	120	25.2	20	R
Surr: Decachlorobiphenyl	2.9		2.500		115	37.8	122	0	0	
Surr: Tetrachloro-m-xylene	2.5		2.500		98.0	15	102	0	0	

Sample ID: <b>MB-71178</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>PBW</b>	Batch ID: <b>71178</b>	RunNo: <b>92403</b>								
Prep Date: <b>10/31/2022</b>	Analysis Date: <b>11/7/2022</b>	SeqNo: <b>3322577</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50								
Aroclor 1221	ND	0.50								
Aroclor 1232	ND	0.50								
Aroclor 1242	ND	0.50								
Aroclor 1248	ND	0.50								

**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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210D32

22-Nov-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>MB-71178</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>PBW</b>	Batch ID: <b>71178</b>	RunNo: <b>92403</b>								
Prep Date: <b>10/31/2022</b>	Analysis Date: <b>11/7/2022</b>	SeqNo: <b>3322577</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.50								
Aroclor 1260	ND	0.50								
Surr: Decachlorobiphenyl	2.8		2.500		114	37.8	122			
Surr: Tetrachloro-m-xylene	2.2		2.500		89.6	15	102			

**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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2210D32

22-Nov-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>100ng lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8260: Volatiles Short List</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R92357</b>		RunNo: <b>92357</b>							
Prep Date:	Analysis Date: <b>11/4/2022</b>		SeqNo: <b>3319045</b>		Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	89.0	70	130			
Toluene	19	1.0	20.00	0	96.8	70	130			
Surr: 1,2-Dichloroethane-d4	8.8		10.00		87.7	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.1	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	9.6		10.00		96.2	70	130			

Sample ID: <b>100ng lcs2</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8260: Volatiles Short List</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R92357</b>		RunNo: <b>92357</b>							
Prep Date:	Analysis Date: <b>11/5/2022</b>		SeqNo: <b>3319046</b>		Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.4	70	130			
Toluene	19	1.0	20.00	0	96.6	70	130			
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.1	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.5	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	9.7		10.00		97.1	70	130			

Sample ID: <b>2210d32-001ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8260: Volatiles Short List</b>							
Client ID: <b>5-6C</b>	Batch ID: <b>R92357</b>		RunNo: <b>92357</b>							
Prep Date:	Analysis Date: <b>11/5/2022</b>		SeqNo: <b>3319048</b>		Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	91.4	70	130			
Toluene	19	1.0	20.00	0	93.7	70	130			
Surr: 1,2-Dichloroethane-d4	8.3		10.00		82.9	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.0	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.4	70	130			
Surr: Toluene-d8	9.9		10.00		98.8	70	130			

Sample ID: <b>2210d32-001amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8260: Volatiles Short List</b>							
Client ID: <b>5-6C</b>	Batch ID: <b>R92357</b>		RunNo: <b>92357</b>							
Prep Date:	Analysis Date: <b>11/5/2022</b>		SeqNo: <b>3319049</b>		Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	1.0	20.00	0	86.3	70	130	5.69	20	
Toluene	18	1.0	20.00	0	87.8	70	130	6.59	20	
Surr: 1,2-Dichloroethane-d4	8.9		10.00		89.3	70	130	0	0	
Surr: 4-Bromofluorobenzene	10		10.00		101	70	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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2210D32

22-Nov-22

**Client:** GHD  
**Project:** Thoreau

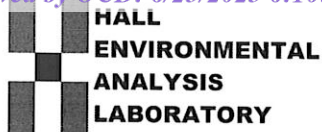
Sample ID: <b>2210d32-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>5-6C</b>	Batch ID: <b>R92357</b>	RunNo: <b>92357</b>								
Prep Date:	Analysis Date: <b>11/5/2022</b>	SeqNo: <b>3319049</b>	Units: <b>µg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	10		10.00		100	70	130	0	0	
Surr: Toluene-d8	9.9		10.00		99.2	70	130	0	0	

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R92357</b>	RunNo: <b>92357</b>								
Prep Date:	Analysis Date: <b>11/4/2022</b>	SeqNo: <b>3319075</b>	Units: <b>µg/L</b>							
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	11		10.00		106	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.0	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.7		10.00		97.0	70	130			

Sample ID: <b>mb2</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R92357</b>	RunNo: <b>92357</b>								
Prep Date:	Analysis Date: <b>11/5/2022</b>	SeqNo: <b>3319076</b>	Units: <b>µg/L</b>							
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	11		10.00		112	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.7		10.00		96.8	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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- 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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD Work Order Number: 2210D32 RcptNo: 1

Received By: Kasandra Jimena Garcia 10/26/2022 2:39:00 PM

Completed By: Cheyenne Cason 10/26/2022 3:01:27 PM

Reviewed By: KGA 10-27-22

Handwritten initials/signatures

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Client

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [checked] No [ ] NA [ ]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: [Signature] 10/27/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 4.6, Good, Not Present, [ ], [ ], [ ]





## Cheyenne Cason

---

**From:** Christine Mathews <Christine.Mathews@ghd.com>  
**Sent:** Thursday, October 27, 2022 1:19 PM  
**To:** Cheyenne Cason  
**Subject:** Thoreau Analytes

Hi Cheyenne,

Just for total clarification, the correct methods and needed analyses for the Thoreau project you all received samples for yesterday 10/26/22....

BTEX	SW-846 8260
PCBs	SW-846 8082
Sulfate	EPA 300

Please let me know if you need anything else. Sorry for all the confusion.

**Christine Mathews** (she/her)  
 Project Manager

### GHD

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6121 Indian School Rd NE Ste 200 Albuquerque NM 87110 USA

D 1 505 269 0088 E [christine.mathews@ghd.com](mailto:christine.mathews@ghd.com)

### The Power of Commitment

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1755 Wittington Place, Suite 500  
Dallas, Texas 75234  
United States  
www.ghd.com

Your ref: New Mexico Oil Conservation Division AP-102  
Our ref: 12603931-Antonio-1

June 5, 2023

**RECEIVED**  
By Mike Buchanan at 4:05 pm, Feb 14, 2024

Mr. Patrick Antonio  
Navajo Nation Environmental Protection Agency  
Building No. 2695  
Window Rock Boulevard  
Window Rock, Arizona 86515

**2022 Annual Groundwater Monitoring Report**  
**Thoreau Compressor Station No. 5**  
**McKinley County, New Mexico**  
**New Mexico Oil Conservation Division Abatement Plan No. 102**  
**Incident No. nNAUTOFCS000709**

Mr. Antonio,

On behalf of Transwestern Pipeline Company, LLC (Transwestern), GHD Services Inc. (GHD) is submitting the 2022 Annual Groundwater Monitoring Report (Report) for the above-referenced property (Site) to the Navajo Nation Environmental Protection Agency (NNEPA). The Report summarizes activities performed at the Site during 2022 in accordance with the NNEPA and (New Mexico Oil Conservation Division) NMOCD's recommendations in response to the 2021 Annual Groundwater Monitoring Report.

Should you have any questions or comments regarding this submittal, please contact the undersigned.

Regards



**Blair Owen**  
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+1 561 339-3572  
blair.owen@ghd.com



**J.T. Murrey**  
Project Director  
+1 361 252-6136  
jt.murrey@ghd.com

BO/kdn/1

Encl. 2022 Annual Groundwater Monitoring Report  
cc: Stacy Boultinghouse, Transwestern  
Mr. Nelson Velez, NMOCD





# **2022 Annual Groundwater Monitoring Report**

**Thoreau Compressor Station No. 5  
McKinley County, New Mexico  
NMOCD AP-102  
Incident Number nNAUTOFCS000709**

Transwestern Pipeline Company

June 9, 2023

**→ The Power of Commitment**

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# 1. Introduction

This report presents the results of groundwater monitoring activities performed during 2022 by GHD Services Inc. (GHD) at the Transwestern Pipeline Company, LLC (Transwestern) Thoreau Compressor Station No. 5 (Site). The Site is located on the Navajo Nation and is approximately 1.5 miles north-northwest of Thoreau, McKinley County, New Mexico (Figure 1). Geographical coordinates for the Site are 35°25'34.55" North and 108°14'9.63" West. The Site is regulated by Navajo Nation Environmental Protection Agency (NNEPA) and the New Mexico Oil Conservation Division (NMOCD) under Abatement Plan (AP) -102 (associated with incident number nNAUTOFCS000709).

## 1.1 Background

The Site consists of an active compressor station and associated equipment. The Site has been in active assessment and remediation since 1989 in response to a Consent Decree issued by the Environmental Protection Agency (EPA). A total of 31 monitoring wells, 16 air sparge wells, and 4 soil vapor extraction (SVE) wells have been installed at the Site between 1990 and 2001, 13 of which have since been plugged. Site Detail Maps included with this report (Figures 2a and 2b) show the well locations and Site features.

In the 1980s, the EPA issued a Consent Decree to Transwestern due to the potential release of polychlorinated biphenyls (PCBs) to soils at several Transwestern facilities. Transwestern utilized synthetic lubricating oil containing Aroclor-1242 in a gas turbine at Station 8, which is upstream of the Site. EPA asserted that PCBs that entered the pipeline during the period Aroclor-1242 was used may have impacted downstream Transwestern facilities. The potential releases of PCBs at the Site may have occurred from natural gas condensate liquid waste generated during pipeline cleaning (pigging) operations.

In March 1989, Daniel B. Stephens & Associates (DBS&A) was retained by Transwestern to investigate the hydrogeology at four compressor stations, which included the Site. The results of this investigation revealed the presence of PCBs and halogenated volatile organic compounds (VOCs) within perched groundwater present in the alluvium over the Chinle Formation (Section 1.2) approximately 55 feet beneath the Site. However, impacts to the regional water table, approximately 650 feet below ground surface (ft bgs), were not found.

The Consent Decree was terminated in late 1992 when the EPA concluded that Transwestern had met the terms and conditions. Following the termination of the Consent Decree, Transwestern began working solely with the NNEPA and the NMOCD for Site monitoring and remediation activities to address remaining impacts to the shallow alluvial aquifer.

Through these initial investigations, it was determined that the primary constituents of concern (COCs) at the Site include benzene, toluene, ethylbenzene, xylenes (BTEX), and PCBs. Active remediation to decrease concentrations of BTEX began in 1992 and continued through 2017.

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

The Phase I SVE remediation system was placed into service on December 9, 1994. This system consisted of a single ½ 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.

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.

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

GHD submitted a work plan to assess the Site for remediation by chemical oxidation to both the NNEPA and NMOCD on September 29, 2015, which was subsequently approved by both agencies. The work plan included collecting bulk samples and performing treatability testing. Based on the treatability study, in-situ chemical oxidation (ISCO) using a catalyzed sodium persulfate solution was recommended by GHD's Innovative Technology Group 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 indicated there was minimal to no connectivity between monitoring wells near the injection points.

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 were 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.

Semiannual groundwater monitoring continued in 2022. Details of 2022 field activities are discussed in this report.

## 1.2 Geology and Hydrogeology

The Site is underlain by the Chinle Formation, which 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 ft 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 at approximately 55 ft bgs. 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

GHD performed monitoring events in June and October 2022. The sampling program included gauging, collecting groundwater samples, and bailing Light Non-Aqueous Phase Liquid (LNAPL), where necessary, from the monitoring wells. Wells where LNAPL could not be removed completely were not sampled.

Nineteen wells were monitored semiannually in June and October 2022; ten of which were selected to be sampled as part of each semiannual event: 5-16B, 5-18B, 5-20B, 5-35B, 5-06C, 5-59, AS-04, AS-10, AS-15, and SVE-3. These wells were chosen based on past analytical data and delineation purposes.

### 2.1 Monitoring Well Gauging

GHD personnel measured the depth to groundwater and LNAPL thickness, if present, in the wells indicated above using an electronic oil/water interface probe (IP). The IP was cleaned with laboratory-grade soap and purified water prior to gauging each monitoring well. Depth to groundwater, LNAPL thickness/observations, and calculated groundwater elevations are summarized in Table 1.

Based on the data collected in 2022, groundwater flow is generally south-southwest and is consistent with historical data for the Site. Groundwater potentiometric surface maps for the June and October 2022 monitoring events are presented as Figures 3 and 4. The groundwater gradient was calculated at 0.052 feet per foot (ft/ft) in June and 0.050 ft/ft in October.

### 2.2 Groundwater Sampling

Following gauging during each 2022 event, GHD personnel utilized dedicated polyethylene bailers to purge a minimum of three well volumes of groundwater or until the well was dry. The wells were given time to recover prior to collecting a groundwater sample. Purge water generated during gauging and sampling events was placed into dedicated and labeled 55-gal drums as well as a 275-gal poly tote within secondary containment at the Site and allowed to evaporate. LNAPL impacted groundwater was placed into dedicated and labeled drums on-site for eventual disposal. Groundwater quality parameters of temperature, pH, oxidation reduction potential, and conductivity were collected with a field-calibrated multi-parameter groundwater quality meter and recorded on groundwater sampling forms. A summary of field parameters is presented in Table 2.

Groundwater samples collected during the semiannual events 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.

### 2.3 Quality Assurance/Quality Control

During each groundwater monitoring event, a field duplicate was collected as a quality assurance/quality control (QA/QC) sample and subsequently submitted for laboratory analysis. A trip blank was also submitted as a QA/QC sample for each groundwater monitoring event.

### 2.4 Analytical Results

The New Mexico Water Quality Control Commission (NMWQCC) mandates that groundwater quality in New Mexico be protected, and has issued groundwater quality standards in Title 20, Chapter 6, Part 2, Section 3103 of the New Mexico Administrative Code (20.6.2.3103 NMAC). However, 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; therefore, analytical results from the Site are compared to the EPA Maximum Contaminant Levels (MCLs).

The groundwater analytical results for 2022 are summarized in Tables 3, 4, and 5, and the corresponding laboratory analytical reports are included in Appendix A. Concentrations of the primary COCs for the monitoring events are presented on Figure 5. A summary of detected concentrations that exceeded their respective MCL is discussed below, by sampling event then by type of COC (VOCs, PCBs, sulfate).

LNAPL was detected in one of the ten monitoring wells (5-02C) while purging in an attempt to collect a groundwater sample during the June and October sampling events; therefore, the well was not sampled.

#### **June and October 2022**

Benzene was detected in the samples collected from five of the ten monitoring wells at concentrations that exceeded its MCLs (5-16B, 5-35B, SVE-3, AS-10, AS-15).

PCBs were detected in the samples collected from two of the ten monitoring wells at concentrations that exceeded its MCLs (5-06C, 5-59).

Sulfate was detected in the samples collected from four of the ten monitoring wells at concentrations that exceeded its MCLs (SVE-3, AS-04, AS-10, AS-15).

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.

Monitoring, SVE, and AS wells SVE-3, 5-35B, AS-4, AS-10 and AS-15 are located in the ISCO treatment area. Sulfate data indicates that the oxidant (sodium persulfate) made significant contact with AS-4, AS-10, and AS-15. Due to the flushing of freshwater in 2019, the oxidant was able to make contact with SVE-3 and benzene concentrations have decrease significantly in 2022. Benzene concentrations in AS-4 are currently below MCLs as of the end of 2022. Concentrations of benzene in AS-15 were reduced to low levels in 2018 and 2019, rebounded in 2020, but continue to show a decreasing trend through 2022. Benzene concentrations in AS-10 may have been reduced by previous ISCO events but had been rebounding from 2018 to 2020; however, have been showing a decreasing trend through 2022. Concentrations of benzene have also been decreasing in MW 5-35B.

## **4. Summary and Recommendations**

### **4.1 Summary**

The following summarizes the information and data presented in this report.

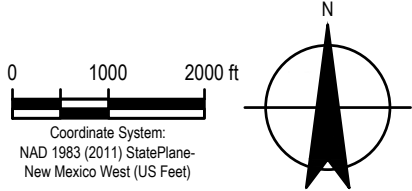
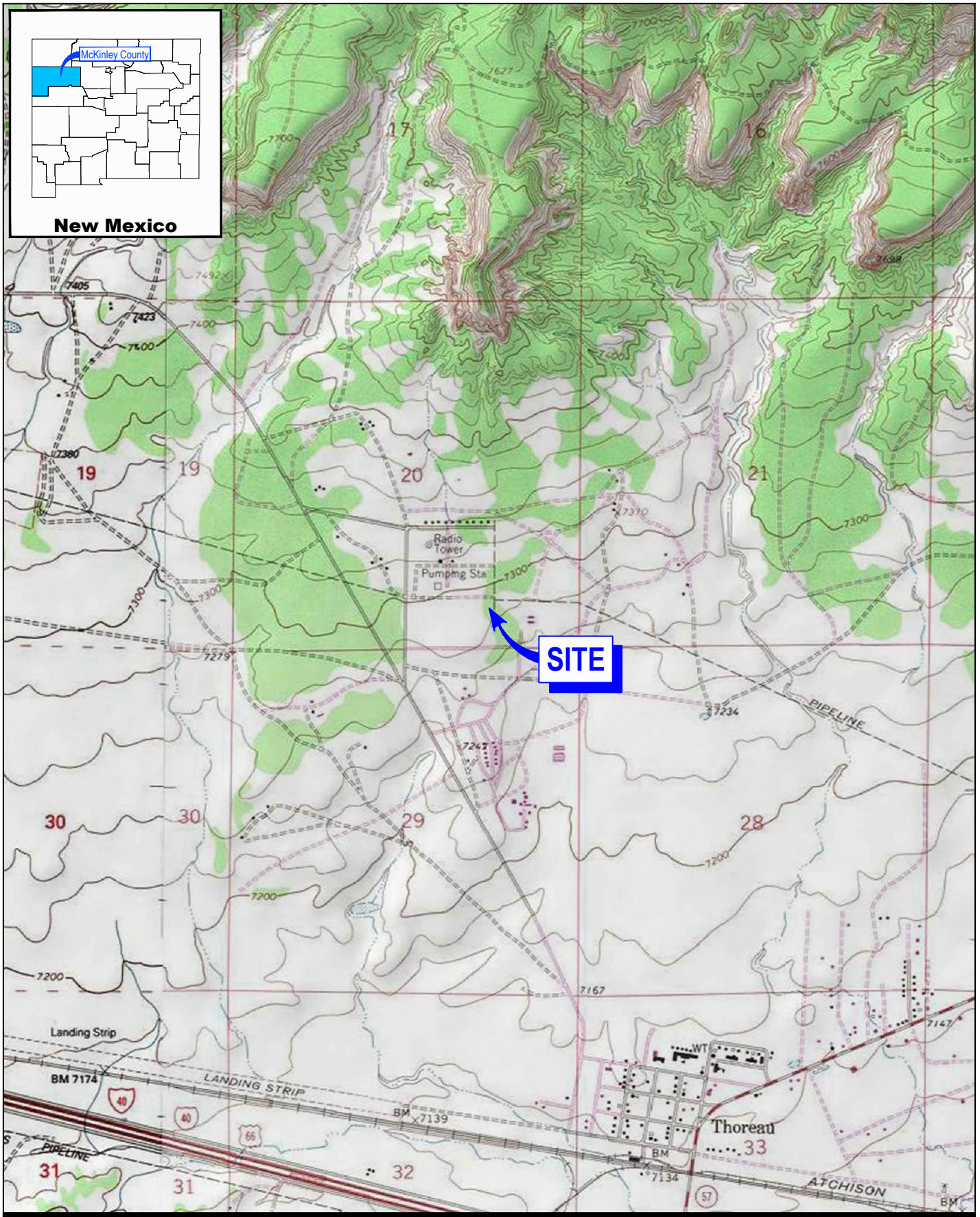
- LNAPL was observed in MW 5-02C during both 2022 monitoring events.
- Concentrations of benzene and PCBs are present in the groundwater at the Site that exceed the EPA MCLs; however, they have continued to steadily decrease.
- Concentrations of sulfate are present in the groundwater at the Site that exceed the EPA MCL, which correlate with the ISCO injection points from 2017 and wells surrounding the injection points. However, the concentrations are either decreasing or remaining generally the same as in 2021.

## 4.2 2023 Recommendations

Based on the results of the 2022 groundwater monitoring events, GHD recommends the following.

- Continue semi-annual groundwater monitoring events in 2023 on the same network of nineteen wells.
- Continue sampling monitoring well 5-48B whenever water is present to monitor conditions in SVE-3.
- Utilize hydrocarbon absorbent socks in MW 5-02C to address the presence of LNAPL.
- Review analytical data for site throughout 2023 to monitor concentrations and their trends.





Coordinate System:  
 NAD 1983 (2011) StatePlane-  
 New Mexico West (US Feet)



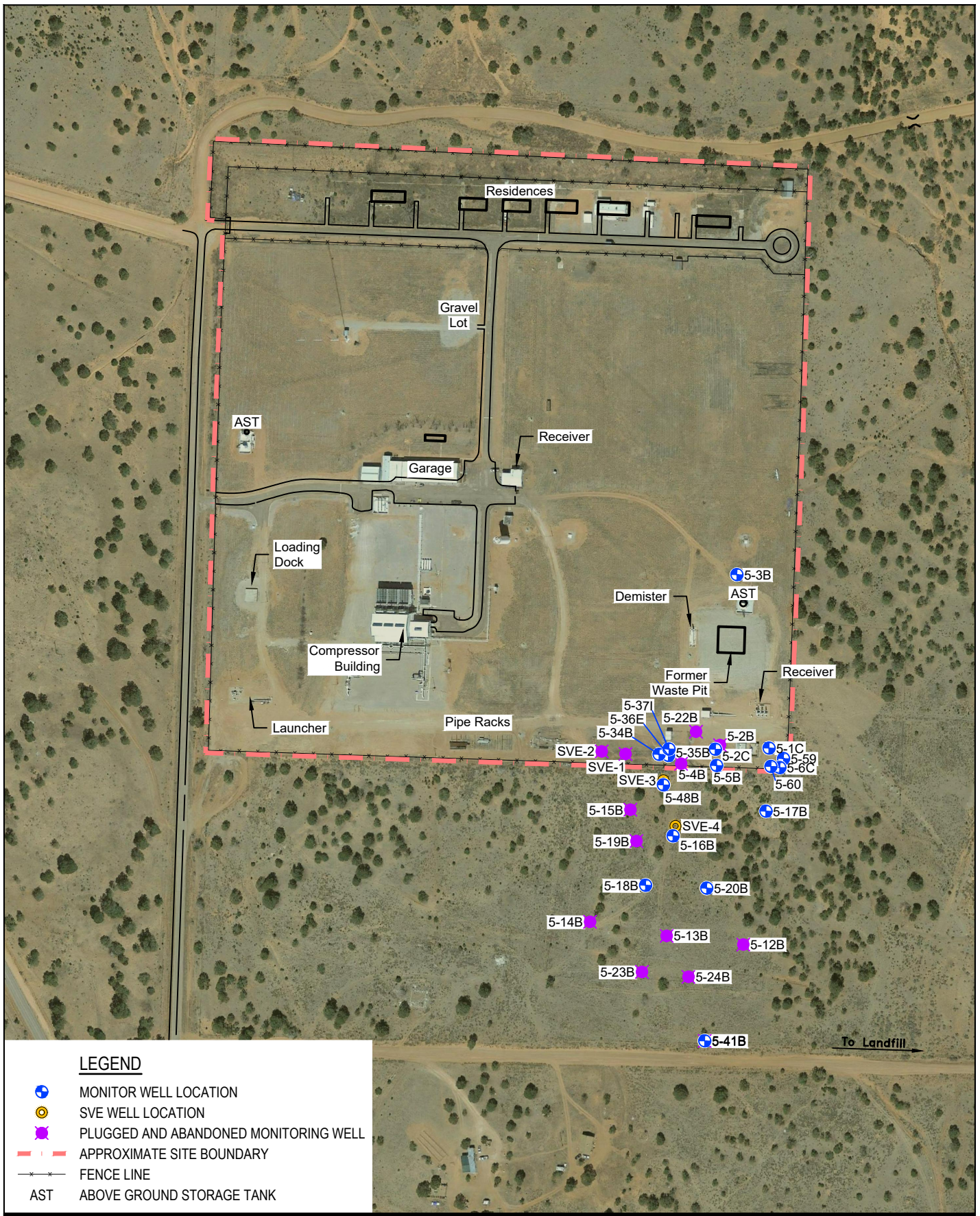
TRANSWESTERN PIPELINE COMPANY, LLC  
 MCKINLEY COUNTY, NEW MEXICO  
 THOREAU COMPRESSOR STATION No. 5

Project No. 12574705  
 Date June 2023






SITE LOCATION MAP

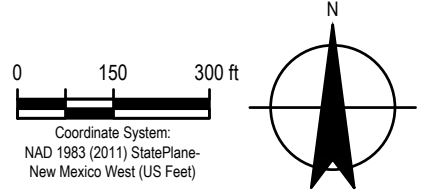
FIGURE 1





**LEGEND**

-  MONITOR WELL LOCATION
-  SVE WELL LOCATION
-  PLUGGED AND ABANDONED MONITORING WELL
-  APPROXIMATE SITE BOUNDARY
-  FENCE LINE
- AST ABOVE GROUND STORAGE TANK



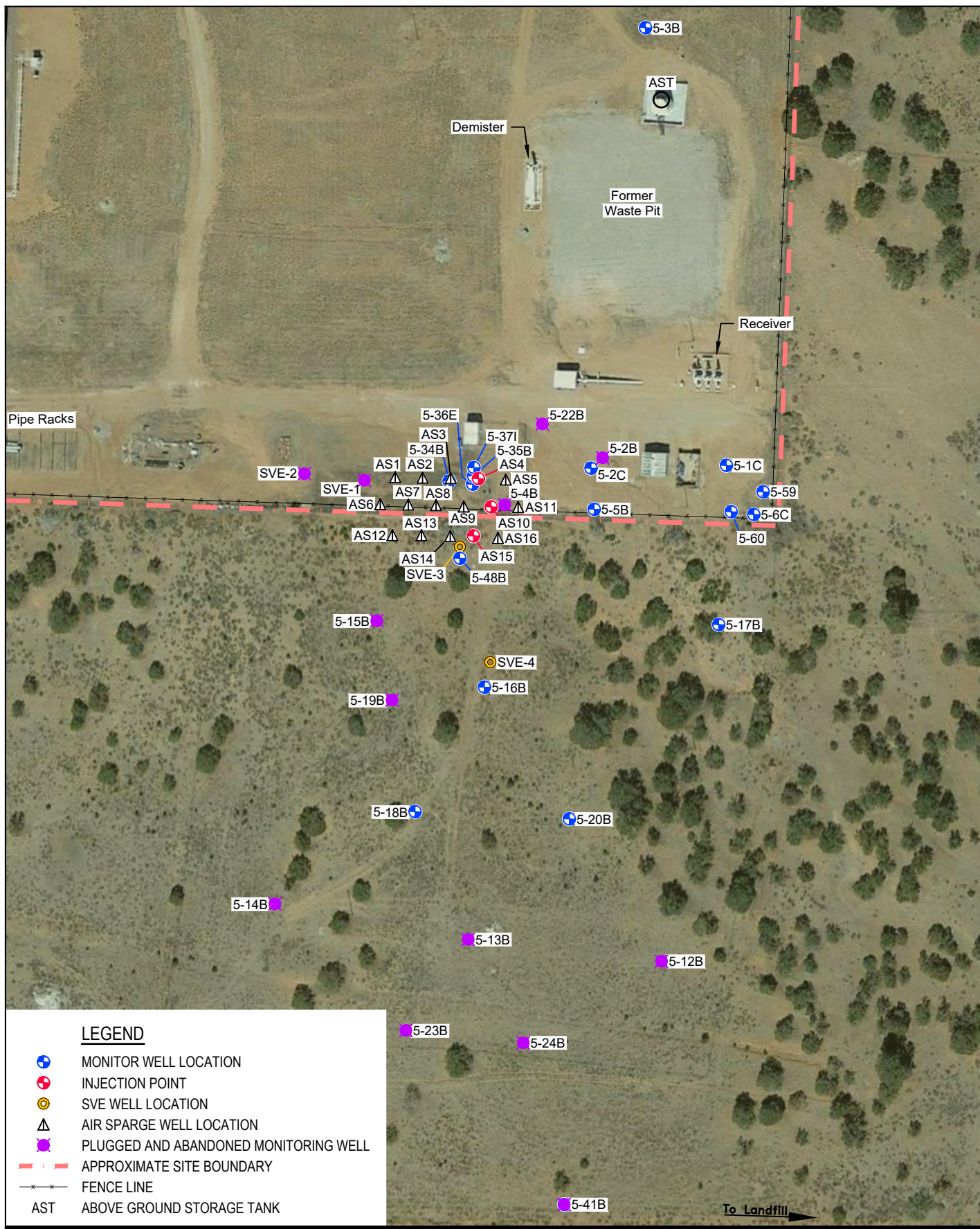
TRANSWESTERN PIPELINE COMPANY, LLC  
 MCKINLEY COUNTY, NEW MEXICO  
 THOREAU COMPRESSOR STATION No. 5

Project No. 12574705  
 Date June 2023

**SITE DETAIL MAP**

**FIGURE 2a**



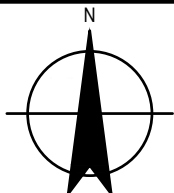


**LEGEND**

- + MONITOR WELL LOCATION
- + INJECTION POINT
- + SVE WELL LOCATION
- △ AIR SPARGE WELL LOCATION
- + PLUGGED AND ABANDONED MONITORING WELL
- APPROXIMATE SITE BOUNDARY
- FENCE LINE
- AST ABOVE GROUND STORAGE TANK

0 60 120 ft

Coordinate System:  
NAD 1983 (2011) StatePlane-  
New Mexico West (US Feet)



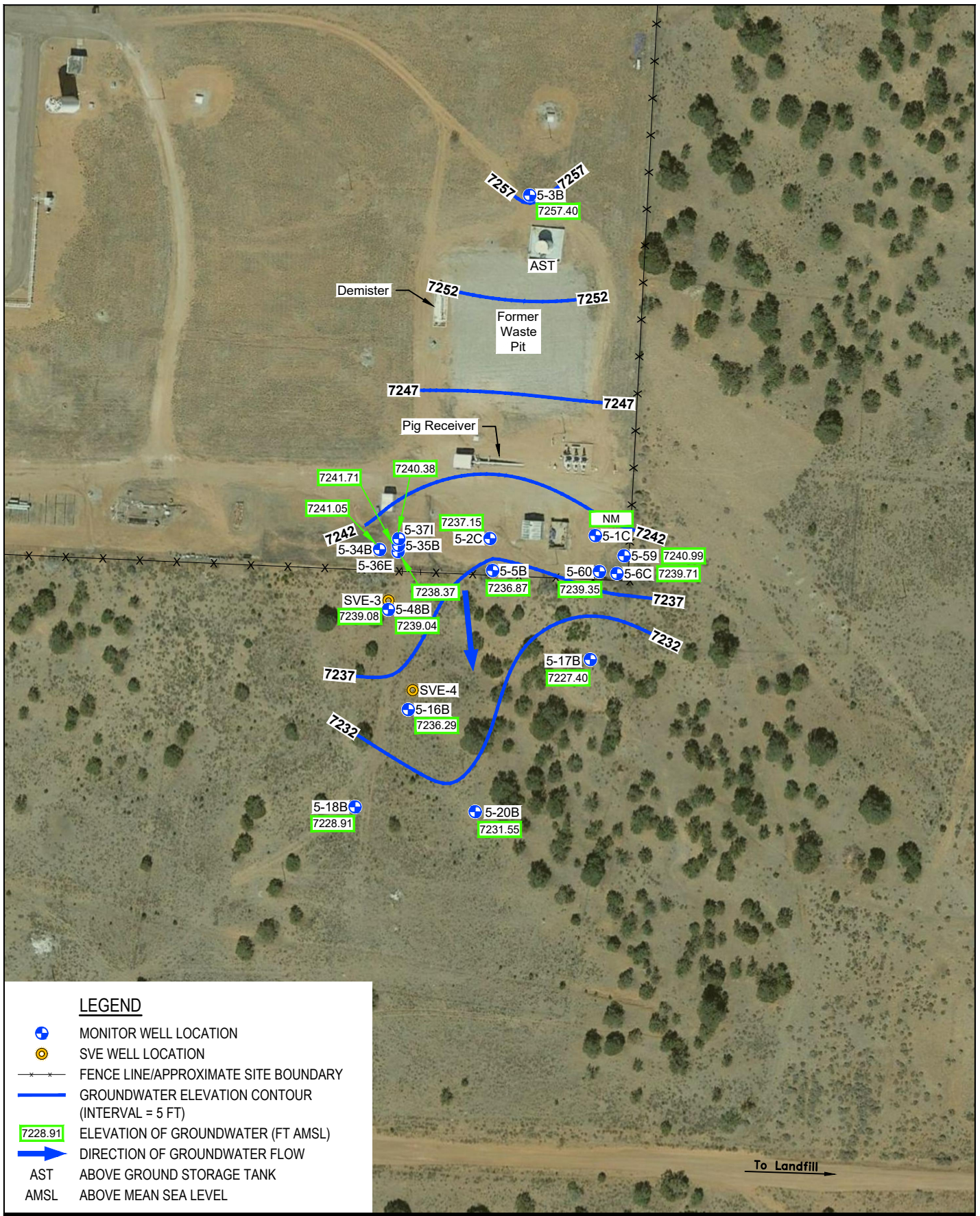
TRANSWESTERN PIPELINE COMPANY, LLC  
McKINLEY COUNTY, NEW MEXICO  
THOREAU COMPRESSOR STATION No. 5

**MONITORING WELL NETWORK  
DETAILS MAP**

Project No. 12574705  
Date June 2023

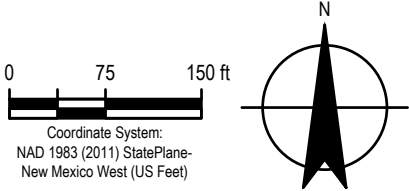
**FIGURE 2b**





**LEGEND**

- MONITOR WELL LOCATION
- SVE WELL LOCATION
- FENCE LINE/APPROXIMATE SITE BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (INTERVAL = 5 FT)
- ELEVATION OF GROUNDWATER (FT AMSL)
- DIRECTION OF GROUNDWATER FLOW
- AST ABOVE GROUND STORAGE TANK
- AMSL ABOVE MEAN SEA LEVEL



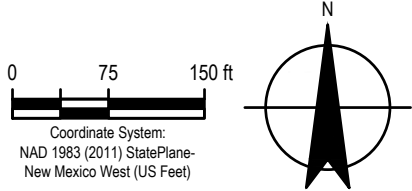
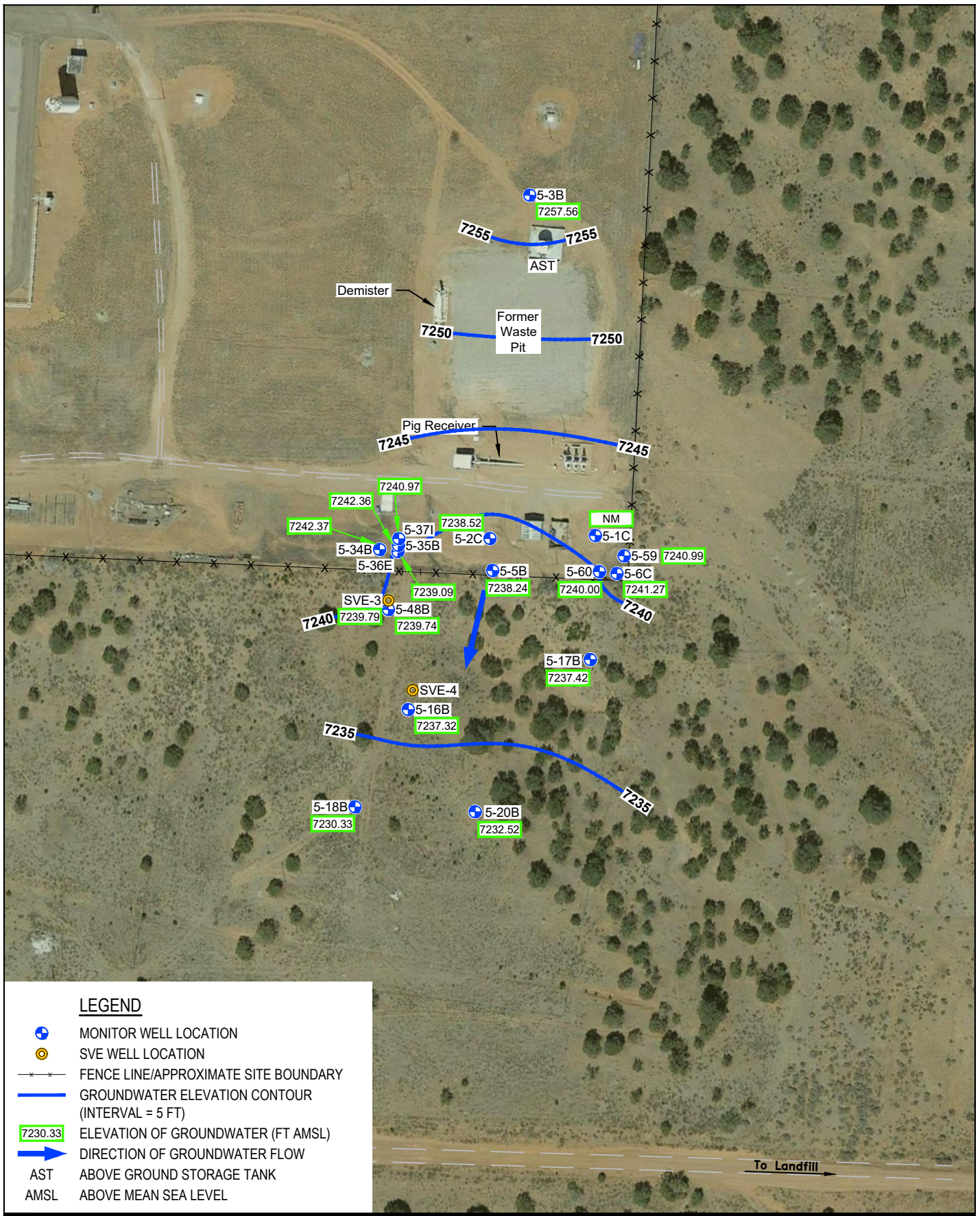
TRANSWESTERN PIPELINE COMPANY, LLC  
McKINLEY COUNTY, NEW MEXICO  
THOREAU COMPRESSOR STATION No. 5

Project No. 12574705  
Date June 2023

JUNE 2022  
POTENTIOMETRIC SURFACE MAP

**FIGURE 3**





TRANSWESTERN PIPELINE COMPANY, LLC  
McKINLEY COUNTY, NEW MEXICO  
THOREAU COMPRESSOR STATION No. 5

Project No. 12574705  
Date June 2023

OCTOBER 2022  
POTENTIOMETRIC SURFACE MAP

FIGURE 4

**Table 1**  
**Summary of Groundwater Elevation Data**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, 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**  
**Thoreau, 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	
	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				
	7,293.24 (a)					



**Table 1**  
**Summary of Groundwater Elevation Data**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, 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	7237.15		
10/14/21	56.54	56.60	0.06	7235.27		
06/16/22	54.66	54.69	0.03	7237.15		
10/25/22	sheen	53.30	sheen	7238.52		
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**  
**Thoreau, 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		
06/16/22	---	46.36	---	7257.40		
10/25/22	---	46.20	---	7257.56		
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**  
**Thoreau, 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	---	---	
	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		
06/16/22	---	55.15	---	7236.87		
10/25/22	---	53.78	---	7238.24		
5-05B	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

**Table 1**  
**Summary of Groundwater Elevation Data**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, 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		
06/13/22	---	51.75	---	7239.71		
10/25/22	---	50.19	---	7241.27		

**Table 1**  
**Summary of Groundwater Elevation Data**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, 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**  
**Thoreau, 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**  
**Thoreau, 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**  
**Thoreau, 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		
06/16/22	---	52.53	---	7236.29		
10/25/22	---	51.50	---	7237.32		
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**  
**Thoreau, 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		
06/16/22	---	57.35	---	7227.40		
10/25/22	---	47.33	---	7237.42		
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**  
**Thoreau, 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		
06/16/22	---	57.50	---	7228.91		
10/25/22	---	56.08	---	7230.33		
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**  
**Thoreau, 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		
06/16/22	---	53.05	---	7231.55		
10/25/22	---	52.08	---	7232.52		

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



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**Thoreau Compressor Station No. 5**  
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Well ID	Top of Casing Elevation (feet amsl)	Date	Depth to LNAPL (feet below TOC)	Depth to Ground Water (feet below TOC)	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

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**Summary of Groundwater Elevation Data**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, 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		
06/16/22	---	53.66	---	7241.05		
10/25/22	---	52.34	---	7242.37		

**Table 1**  
**Summary of Groundwater Elevation Data**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, 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	---	7237.39
		09/25/11	---	57.71	---	7238.40
		06/12/12	---	58.23	---	7237.88
07/23/13	---	58.75	---	7237.36		
04/22/14	---	58.91	---	7237.20		
04/13/15	---	58.93	---	7237.18		
04/20/16	---	59.02	---	7237.09		
03/28/17	---	58.43	---	7237.68		
05/01/17	---	58.20	---	7237.91		
06/20/17	---	58.28	---	7237.83		
09/22/17	---	58.32	---	7237.79		
04/19/18	---	57.84	---	7238.27		
04/16/19	---	57.95	---	7238.16		
10/03/19	---	58.15	---	7237.96		
06/16/20	---	57.93	---	7238.18		
10/07/20	---	57.95	---	7238.16		
06/03/21	---	51.87	---	7244.24		
10/14/21	---	57.18	---	7238.93		
06/16/22	---	54.40	---	7241.71		
10/25/22	---	53.75	---	7242.36		
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**  
**Thoreau, 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
		06/16/22	---	58.19	---	7238.37
		10/25/22	---	57.47	---	7239.09
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		
06/16/22	---	55.93	---	7240.38		
		10/25/22	---	55.34	---	7240.97
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**  
**Thoreau, 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		
06/16/22	---	---	53.60	---	7239.04		
10/25/22	---	---	52.90	---	7239.74		
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**  
**Thoreau, 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		
06/13/22	---	49.83	---	7240.99		
10/25/22	---	49.83	---	7240.99		
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
06/13/22	---	51.48	---	7239.35		
10/25/22	---	50.83	---	7240.00		



**Table 1**  
**Summary of Groundwater Elevation Data**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, 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		
06/16/22	--	54.60	--	7239.08		
10/25/22	--	53.89	--	7239.79		

**Table 1**  
**Summary of Groundwater Elevation Data**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, 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		
06/16/20	--	NM	--	---		
10/07/20	--	57.76	--	7232.07		
AS-4	7,293.95	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
		10/07/20	--	57.76	--	7236.19
		06/03/21	--	57.70	--	7236.25
		10/14/21	--	56.70	--	7237.25
		06/16/22	--	53.85	--	7240.10
10/25/22	--	53.15	--	7240.80		
AS-10	7,293.78	04/19/18	--	59.21	--	7234.57
		04/16/19	--	59.02	--	7234.76
		10/03/19	--	59.10	--	7234.68
		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
		06/16/22	--	55.07	--	7238.71
10/25/22	--	54.15	--	7239.63		
AS-15	7,293.22	04/19/18	--	59.85	--	7233.37
		04/16/19	--	59.66	--	7233.56
		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
		06/16/22	--	59.55	--	7233.67
10/25/22	--	53.17	--	7240.05		

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 Monitoring Field Parameters**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)	
5-01B	11/21/95	3.8	7.37	12.8	1314	
	02/21/96	7.5	7.40	11.9	960	
	05/23/96	10.6a	7.28	13.2	1327	
	08/14/96	--	7.51	15.8	1324	
	11/21/96	6.3	7.13	13.0	1080	
	02/27/97	4.6	7.49	7.7	820	
	05/21/97	3.7	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	2.5	7.27	13.9	1659	
	04/17/19	--	7.63	11.9	1865	
	06/16/20	LNAPL				
	10/07/20	LNAPL				
	06/03/21	LNAPL				
10/14/21	LNAPL					

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

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-03B	11/15/95	8.0	7.59	14.0	860
	05/20/96	7.0b	8.26	13.4	1282
	08/12/96	8.6b	7.91	14.2	1000
	11/18/96	8.0/7.0	7.77	12.0	1110
	02/24/97	5.74/7.0	7.77	10.2	980
	05/20/97	8.8/8.0	7.73	13.8	1060
	05/18/97	8.0	7.69	13.5	1423
	11/17/97	7.36/8.0	7.64	13.4	1100
	02/10/98	8.17	7.36	12.5	1000
	06/08/98	8.8	7.58	13.4	1375
	06/11/98	8.8	7.60	13.3	1379
	09/29/98	8.3/8.0	7.59	13.9	1390
	04/27/99	8.6	7.72	13.8	1357
	10/11/99	8.6/8.0	7.75	13.1	1326
	05/11/00	7.6/7.5	7.78	13.1	1311
	05/22/01	8.5/8.0	7.79	14.1	1314
	04/18/02	8.2	7.81	14.9	1347
05/20/03	8.1	7.74	16.0	1415	
06/07/04	2.7	7.65	14.2	1450	
5-04B	11/17/95	--	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	1.1	7.61	14.3	1395
	11/20/96	4.2	7.26	12.2	1110
	02/25/97	2.9	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	1.1	7.78	11.7	895
	05/22/97	1.7	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 Monitoring Field Parameters**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-06C	11/23/97	0.5/0.8	7.67	14.3	1181
	02/12/98	0.0	7.75	11.9	1072
	06/11/98	3.2/0.6	7.67	16.0	1159
	10/02/98	0.7	7.64	13.6	1152
	04/29/99	--/1.0	7.55	12.8	1135
	10/14/99	0.2/0.4	7.66	13.3	1156
	05/13/00	0.4/0.6	7.65	13.2	1178
	11/17/00	2.1	7.62	13.0	1287
	05/22/01	0.9	7.61	13.9	1252
	11/18/01	1.1	7.62	14.4	1241
	04/20/02	1.4	7.64	14.4	1256
	10/30/02	0.5	7.62	14.7	1265
	05/21/03	1.7	7.47	15.2	1432
	11/10/03	1.8	7.38	12.3	1244
	06/07/04	1.4	7.43	14.4	1441
	06/09/05	---	7.34	12.7	1560
	07/11/06	2.0	7.42	13.7	1145
	07/25/07	3.0	7.57	13.0	1094
	09/23/08	3.1	7.88	13.2	1115
	08/04/09	2.8	7.06	13.4	1461
	05/18/10	2.9	6.83	12.6	1538
	09/25/11	6.9	7.24	13.8	1351
	06/12/12	3.6	7.00	13.3	1469
	07/10/12	3.7	7.15	13.2	1455
	07/23/13	3.1	6.80	13.3	1517
	04/22/14	3.8	6.95	15.4	1585
	04/13/15	4.7	6.84	13.8	1410
	04/21/16	3.6	7.16	12.7	1480
	03/27/17	3.7	8.06	10.8	1785
	04/19/18	3.7	7.49	13.1	1457
04/16/19	1.9	7.40	13.1	1464	
10/03/19	3.8	7.80	13.2	1469	
06/16/20	8.2	7.84	13.7	1649	
10/07/20	1.8	7.54	15.0	1266	
06/03/21	1.8	7.42	18.1	946	
10/14/21	2.6	7.63	12.6	805	
06/16/22	4.0	7.86	13.5	220	
10/25/22	4.1	8.01	12.7	211	
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 Monitoring Field Parameters**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-13B	11/20/95	4.3	7.59	13.9	800
	02/21/96	4.2	7.67	13.8	840
	05/22/96	1.4	7.68	13.8	860
	08/13/96	3.0	8.71	14.5	850
	11/20/96	2.7	7.49	13.0	850
	02/26/97	1.5	7.53	11.9	850
	05/21/97	2.8	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 Monitoring Field Parameters**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-16B	11/20/95	2.4	7.50	13.0	800
	02/21/96	3.5	7.58	13.8	840
	05/23/96	1.3	7.47	13.2	1181
	08/15/96	1.9/1.0	7.46	14.3	1214
	11/21/96	--/1.0	7.45	13.0	1000
	02/27/97	2.31	7.52	12.0	1131
	05/22/97	1.13	7.30	14.9	900
	08/20/97	1.6/0.4	7.41	15.4	1100
	11/19/97	0.4/0.4	7.46	12.6	1096
	02/11/98	2.78	7.16	11.6	840
	06/10/98	--	--	--	--
	10/01/98	--	--	--	--
	04/28/99	--	--	--	--
	10/13/99	--	--	--	--
	05/12/00	--	--	--	--
	11/17/00	--	--	--	--
	05/24/01	--	--	--	--
	11/18/01	--	--	--	--
	04/20/02	--	--	--	--
	10/31/02	--	--	--	--
	05/22/03	--	--	--	--
	11/11/03	--	--	--	--
	06/08/04	1.5	7.76	15.6	544
	06/08/05	--	7.67	15.3	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	2.0	6.88	14.7	1596	
04/13/15	3.5	7.10	13.6	1490	
04/21/16	2.0	7.31	13.5	1550	
04/20/18	2.9	8.91	11.2	2055	
04/17/19	--	7.69	11.4	1774	
10/04/19	2.1	7.88	13.7	1901	
06/17/20	3.1	8.90	12.4	2095	
10/08/20	0.9	7.60	13.7	1610	
06/03/21	1.2	7.51	13.8	1039	
10/14/21	1.3	7.77	13.4	868	
5-17B	11/20/95	7.4	7.65	13.4	1525
	05/22/96	6.4	7.44	12.5	1005
	08/14/96	--	7.66	17.0	1090
	11/20/96	--	7.69	13.6	1160
	02/27/97	4.6	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	9.5	7.91	12.0	990
	02/11/98	--	7.25	10.2	910
	06/10/98	9.4	7.67	13.9	1331
	10/02/98	10.0	7.70	15.0	1345
	04/28/99	--/7.8	7.69	13.7	1344
	10/13/99	8.8/9.0	7.77	12.9	1381
	05/12/00	8.2	7.76	12.9	1363
	11/17/00	8.5	7.78	13.1	1385
	05/23/01	9.2/8.0	7.73	14.6	1405
	11/17/01	--	7.73	14.9	1388
	04/19/02	8.4	7.80	14.8	1401
	10/31/02	8.5	7.75	15.3	1361
	05/22/03	8.6	7.71	15.7	1383
	11/11/03	8.9	7.61	12.6	1231
	06/08/04	3.3	7.44	14.9	1529
	06/08/05	--	7.36	13.9	1816
	07/10/06	3.2	7.25	13.1	1597
	07/25/07	4.7	7.48	13.6	1557
	09/23/08	5.6	7.83	13.1	1583
08/04/09	5.9	7.02	13.7	2005	

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

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)	
5-18B	11/17/95	1.4	7.68	14.0	720	
	02/21/96	5.6	7.76	12.2	760	
	05/22/96	1.5	7.62	13.3	790	
	08/14/96	2.4	8.27	14.2	1071	
	11/20/96	2.3	7.70	13.0	890	
	02/27/97	1.3	7.78	11.7	988	
	05/22/97	4.5	7.71	13.3	1065	
	08/19/97	0.8/0.4	7.69	14.1	988	
	11/17/97	7.8	7.72	12.9	860	
	02/11/98	2.3	7.33	12.8	790	
	06/10/98	0.6/0.6	7.61	13.6	1095	
	09/30/98	2.2/0.8	7.60	15.6	1142	
	04/28/99	-1.4	7.53	12.7	1144	
	10/12/99	2.3/2.0	7.64	14.0	1164	
	05/12/00	2.4	7.54	13.4	1198	
	11/16/00	3.8	7.52	13.0	1257	
	05/24/01	3.8	7.51	15.7	1264	
	11/17/01	3.8	7.51	15.4	1234	
	04/20/02	2.0	7.61	14.5	1124	
	10/31/02	1.0	7.56	15.5	1112	
	05/22/03	1.6	7.52	15.6	1117	
	11/11/03	1.9	7.45	13.0	976	
	06/08/04	1.8	7.43	16.5	1171	
	06/08/05	--	7.52	14.7	1198	
	07/10/06	3.0	7.39	13.9	964	
	07/25/07	1.3	7.59	14.8	962	
	09/23/08	2.9	7.91	14.5	989	
	08/04/09	1.1	7.04	15.2	1233	
	05/18/10	1.7	6.78	13.2	1341	
	09/25/11	2.1	7.10	13.5	1389	
	06/12/12	2.1	6.97	13.5	1362	
	07/23/13	2.4	6.93	14.2	1363	
	04/21/14	5.4	7.11	21.0	1312	
	04/13/15	2.9	7.08	13.1	1350	
	04/21/16	1.4	7.42	13.0	1460	
	03/28/17	No parameters due to insufficient well volume				
	04/19/18	2.3	7.60	13.8	1444	
	04/17/19	--	7.53	11.7	1567	
	10/04/19	3.1	8.08	13.0	1271	
	06/17/20	7.4	8.29	1.9	1447	
10/08/20	1.3	7.71	13.5	1120		
06/03/21	3.5	7.60	13.8	750		
10/14/21	4.8	7.83	12.9	699		
06/16/22	5.3	7.92	13.9	92		
10/25/22	4.7	8.10	13.0	94		

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Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-19B	11/20/95	2.0	7.68	13.0	700
	02/21/96	4.4	7.81	12.7	730
	05/22/96	2.0	7.78	14.1	1023
	08/14/96	3.0	7.99	14.7	1022
	11/21/96	3.2	7.79	12.8	840
	02/27/97	1.9/1.8	7.83	10.2	951
	05/21/97	2.7	7.84	12.8	1002
	08/20/97	2.5/1.6	7.82	15.7	939
	11/17/97	3.68/1.0	7.91	12.3	800
	02/11/98	2.3	7.47	12.0	710
	06/10/98	0.5	7.80	13.8	968
	10/01/98	0.2/0.4	7.75	14.0	982
	04/28/99	--/0.4	7.89	12.7	982
	10/12/99	0.2	8.00	13.6	990
	05/12/00	0.6/0.8	7.89	13.0	986
	11/17/00	1.2/1.4	7.96	13.2	999
	05/24/01	1.8/1.6	7.93	14.9	1007
	11/17/01	1.5	7.92	15.2	1019
	04/19/02	0.7	8.00	15.1	1038
	10/31/02	2.6	7.95	15.5	1051
05/22/03	1.0	7.88	16.2	1094	
11/11/03	1.4	7.81	13.0	971	
06/08/04	1.5	7.87	15.0	1147	
11/18/14	Plugged and Abandoned				
5-20B	11/17/95	2.9	7.16	13.7	1200
	05/22/96	1.8	7.18	14.4	1120
	08/14/96	4.8	7.82	16.2	1629
	11/20/96	--	7.04	12.5	1180
	02/27/97	1.5	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	6.9	7.42	12.4	1200
	02/11/98	0.0	7.35	10.9	1369
	06/09/98	2.8	7.29	16.1	1481
	10/01/98	2.4/1.8	7.31	15.8	1467
	04/28/99	--/0.8	7.30	13.4	1362
	10/12/99	2.6/2.2	7.46	14.4	1334
	05/12/00	0.5/0.6	7.25	12.7	1325
	11/16/00	1.4/1.4	7.45	12.7	1337
	05/24/01	1.1/0.8	7.48	14.4	1290
	11/17/01	1.4	7.52	15.2	1260
	04/19/02	0.7	7.49	14.9	1275
	10/31/02	1.1	7.48	15.3	1292
	05/22/03	0.5	7.42	15.7	1306
	11/11/03	1.5	7.35	12.9	1149
	06/08/04	1.6	7.41	13.9	1332
	06/08/05	--	7.43	15.0	1347
	07/10/06	1.3	7.46	13.5	1030
	07/25/07	1.3	7.55	14.3	1028
	09/23/08	1.9	7.88	13.6	1032
	08/04/09	0.3	6.99	14.1	1335
	05/18/10	2.1	6.99	12.9	1419
	09/25/11	1.9	7.17	13.3	1401
	06/12/12	1.6	7.03	13.4	1390
	07/23/13	1.7	6.89	13.4	1353
	04/21/14	3.4	6.98	18.4	1213
	04/13/15	3.3	7.42	13.8	1140
	04/21/16	1.7	7.55	12.9	1240
03/28/17	2.2	7.60	11.9	1452	
04/19/18	3.4	7.66	13.1	1229	
04/17/19	--	7.39	12.7	1382	
10/04/19	3.0	8.00	12.5	1201	
06/17/20	2.0	8.29	11.4	1347	
10/08/20	2.0	7.66	13.4	1043	
06/03/21	2.9	7.66	13.8	725	
10/14/21	2.1	7.75	13.1	1043	
06/16/22	2.3	7.70	14.1	143	
10/25/22	4.1	8.03	12.9	122	

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Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-22B	11/15/95	6.4	7.70	12.9	990
	02/22/96	6.6	7.47	12.3	1030
	05/20/96	--	8.32	13.8	1549
	08/12/96	8.0	7.63	15.0	1100
	11/18/96	5.6	7.48	12.2	1300
	02/27/97	3.5	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	3.8	7.31	13.3	800
	05/22/96	2.6	7.66	13.0	1077
	08/13/96	5.1	8.80	15.0	780
	11/19/96	4.4	7.69	13.0	880
	02/26/97	--/3.4	7.73	11.8	1018
	05/21/97	4.1/4.0	7.73	12.6	1036
	08/19/97	3.0/2.8	7.75	14.5	949
	11/17/97	2.0	7.74	11.1	920
	02/10/98	1.0	7.77	10.7	928
	06/08/98	2.8/2.2	7.01	13.7	1004
	09/29/98	2.6/2.0	7.67	13.7	1013
	04/27/99	2.6/2.0	7.72	12.9	1015
	10/12/99	1.6/1.8	7.83	12.8	1024
	05/11/00	1.5/1.8	7.77	13.0	1035
	05/23/01	2.1	7.72	14.0	1084
	04/19/02	1.5	7.72	15.0	1103
	05/20/03	1.2	7.71	15.6	1112
06/08/04	1.6	7.63	14.3	1131	
11/17/14	Plugged and Abandoned				
5-24B	11/17/95	1.7	7.33	13.2	1050
	05/21/96	3.5	7.41	13.9	1050
	08/13/96	2.3	8.07	16.0	1050
	11/19/96	3.3	7.36	12.6	1210
	02/26/97	--/1.4	7.42	11.6	1468
	05/20/97	4.8	7.56	12.6	1240
	05/21/97	3.4	7.24	13.1	1110
	08/19/97	3.8/4.0	7.32	15.5	1568
	11/18/97	2.2	7.39	12.2	1386
	02/10/98	3.2/3.0	7.44	11.2	1392
	06/09/98	4.3	7.34	14.6	1492
	09/29/98	5.5	7.32	13.6	1499
	04/27/99	9.7/8.0	7.37	14.1	1501
	10/11/99	4.3	7.46	13.6	1468
	05/11/00	4.8	7.43	13.5	1454
	11/16/00	7.4/6.0	7.52	12.6	1467
	05/23/01	2.9	7.52	15.0	1475
	11/17/01	4.9	7.54	15.3	1449
	04/19/02	2.2	7.56	15.0	1426
	10/31/02	4.1	7.62	15.3	1413
	05/20/03	1.3	7.51	15.4	1397
	11/11/03	4.8	7.46	13.0	1215
06/08/04	2.8	7.68	15.4	1428	
11/17/14	Plugged and Abandoned				

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**Thoreau, McKinley County, New Mexico**

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)	
5-35B	05/18/10	1.6	6.48	15.1	1834	
	09/25/11	1.5	6.96	17.5	1554	
	06/12/12	1.7	6.84	15.8	1643	
	07/23/13	--	--	--	--	
	04/22/14	1.9	6.49	15.5	1644	
	04/13/15	No parameters due to insufficient well volume				
	04/21/16	3.6	7.17	14.2	1570	
	03/28/17	1.4	7.40	12.9	1870	
	06/20/17	2.9	6.60	13.8	1460	
	09/22/17	0.7	6.42	14.3	1370	
	04/19/18	2.6	7.32	15.2	1475	
	04/16/19	0.7	7.25	14.8	1472	
	10/03/19	0.9	7.77	13.9	1525	
	06/16/20	2.5	9.66	12.7	1672	
	10/07/20	1.0	7.28	18.0	1301	
	06/03/21	0.6	7.16	14.8	867	
	10/14/21	0.4	7.37	13.1	786	
06/13/22	0.5	7.28	14.3	-9		
10/25/22	0.7	7.58	13.1	-23		
5-371	08/15/96	1.7	8.48	17.2	1382	
	11/22/96	--	7.70	14.9	1080	
5-41B	11/16/95	2.0	7.28	14.5	940	
	05/21/96	1.8	7.41	15.8	920	
	08/13/96	2.7	7.99	15.0	910	
	11/19/96	3.8	7.41	13.8	1080	
	02/25/97	1.7	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	
	Plugged and Abandoned					
5-47B	11/15/95	2.5	7.83	13.0	900	
	05/21/96	4.7	7.54	14.6	1080	
	08/13/96	3.2	7.98	15.2	1060	
	11/19/96	--	7.56	19.1	1110	
	02/26/97	2.2	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					
5-48B	11/20/95	1.4	7.60	13.7	1035	
	02/21/96	3.6	7.54	14.0	750	
	05/22/96	2.2	7.62	14.6	1032	
	08/14/96	2.8	7.62	15.5	800	
	11/21/96	3.1	7.45	15.2	780	
	02/27/97	2.4	7.61	11.8	950	
	05/22/97	2.5	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	2.2	7.44	14.8	810	
	06/11/98	3.6/2.0	7.53	16.3	1176	
	10/01/98	0.2	7.56	15.7	1239	
	04/28/99	--	7.47	15.4	1261	
	10/12/99	--	--	--	--	
	05/12/00	--	--	--	--	
	11/17/00	--	--	--	--	
	05/22/01	--	--	--	--	
	11/18/01	--	--	--	--	
	04/20/02	0.9	7.54	15.7	1524	
	10/30/02	--	--	--	--	
	05/21/03	--	--	--	--	
11/11/03	--	--	--	--		
06/07/04	0.9	7.51	16.2	1550		
06/09/05	--	7.31	15.5	1530		

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**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
5-57B	11/15/95	4.6	7.59	13.1	880
	05/20/96	3.1	8.75	13.2	1212
	08/12/96	5.2	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	6.0	7.69	12.8	1130
	08/18/97	0.7/2.6	7.69	14.4	1071
Plugged and Abandoned					
5-58B	11/16/95	8.1	7.47	14.8	740
	05/20/96	6.7	8.71	13.2	1073
	08/12/96	6.4	7.71	14.5	750
	11/18/96	7.0	7.58	12.6	880
	02/25/97	7.0b	7.69	11.4	1073
	05/20/97	6.8	7.73	13.2	790
	08/18/97	5.8/6.5	7.68	15.2	964
Plugged and Abandoned					
5-59	11/18/01	6.2	7.50	14.5	1430
	04/20/02	6.7	7.60	14.1	1431
	10/30/02	8.1	7.68	14.6	1437
	05/21/03	5.9	7.40	15.3	1519
	11/11/03	6.8	7.21	12.4	1295
	06/08/04	3.2	7.38	12.8	1495
	06/09/05	--	7.37	14.2	1453
	07/10/06	6.7	7.42	13.3	1112
	07/25/07	5.5	7.33	14.1	1124
	09/23/08	6.0	7.84	12.9	1143
	08/04/09	5.8	7.13	14.3	1501
	05/18/10	6.5	6.62	12.9	1555
	09/25/11	8.0	7.06	13.6	1546
	06/12/12	7.0	6.87	13.6	1573
	07/10/12	6.2	7.22	14.8	1543
	07/23/13	5.8	6.83	14.2	1590
	04/22/14	6.7	6.93	19.2	1640
	04/13/15	11.0	8.07	16.5	1420
	04/21/16	5.7	6.84	12.7	1510
	03/28/17	4.5	7.75	11.2	1801
	04/20/18	6.7	7.70	11.5	1449
	04/16/19	5.2	7.38	14.0	1450
	10/03/19	No parameters due to insufficient well volume			
06/16/20	6.3	6.83	14.3	1685	
10/07/20	4.5	7.55	14.5	1291	
06/03/21	3.5	7.33	14.1	868	
10/14/21	3.3	7.58	12.6	795	
06/13/22	4.7	7.76	13.4	231	
10/25/22	3.9	7.86	12.6	212	
5-60	11/18/01	6.5	7.67	14.5	1296
	04/20/02	6.6	7.74	14.1	1291
	10/30/02	7.4	7.67	14.9	1272
	05/21/03	7.7	7.63	15.6	1297
	11/10/03	7.5	7.72	12.4	1171
	06/07/04	3.1	7.60	13.9	1415
	06/09/05	--	7.65	12.5	1428
	07/10/06	7.4	7.40	13.3	1095
	07/25/07	6.9	7.50	13.6	1059
	09/23/08	6.8	7.87	12.9	1034
	08/04/09	7.2	7.23	14.1	1362
10/03/19	87.5	8.11	14.9	1355	



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

Well ID	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity (uS/cm)
SVE-1	05/11/00	7.8	7.90	13.5	992
	11/16/00	8.0	7.85	13.6	1008
	11/18/01	8.3	7.90	15.6	1016
	04/18/02	8.3	7.96	15.7	1017
	10/30/02	8.5	7.58	16.1	1000
	05/21/03	8.5	7.80	17.7	1009
	11/10/03	8.8	7.90	14.0	904
	06/07/04	2.1	7.98	21.7	1062
	11/18/14	Plugged and Abandoned			
SVE-3	05/18/10	--	--	--	--
	09/25/11	--	--	--	--
	06/12/12	--	--	--	--
	07/23/13	--	--	--	--
	04/22/14	1.4	6.83	14.3	1701
	04/13/15	3.4	6.73	13.6	1490
	04/21/16	2.4	7.09	14.3	1630
	03/28/17	1.6	7.52	12.6	1918
	06/20/17	5.3	6.43	15.2	1572
	09/22/17	1.3	6.52	13.1	1462
	04/19/18	2.6	7.34	14.7	2413
	04/17/19	--	7.00	11.9	3999*
	10/04/19	2.4	7.56	13.3	11540
	06/17/20	9.6	9.61	12.4	12733
	10/08/20	1.0	7.09	13.9	12174
06/03/21	0.4	7.03	15.3	10583	
10/14/21	1.0	7.09	13.9	12174	
06/16/22	0.5	7.23	14.1	-132	
10/25/22	1.2	7.80	13.3	-120	
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	6.4	13.24	15.5	20239
	06/16/20	8.4	9.04	14.4	2324
	10/07/20	5.1	12.33	18.4	18598
	06/03/21	3.3	11.99	16.1	11067
	10/14/21	2.8	11.61	12.4	6531
	06/16/22	4.0	10.41	14.4	83
10/25/22	1.4	11.17	13.1	71	
AS-10	04/20/18	4.5	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	3.3	11.77	13.5	17948
	10/07/20	2.2	12.34	14.8	10538
	06/03/21	2.8	12.14	15.1	5803
	10/14/21	2.6	12.18	13.0	4161
	06/16/22	2.0	10.59	14.5	116
10/25/22	2.0	10.78	13.3	141	
AS-15	04/20/18	6.3	12.84	16.1	138233
	04/17/19	--	13.32	11.4	3999*
	10/04/19	10.1	13.57	13.9	29884
	06/17/20	10.0	11.97	12.9	34057
	10/08/20	8.5	12.72	14.1	26493
	06/03/21	4.5	12.83	14.3	12979
	10/14/21	4.4	13.22	13.5	11352
	06/16/22	3.1	12.93	14.5	58
10/25/22	3.7	13.16	13.3	68	

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 Groundwater Analytical Results (BTEX and Sulfate)**  
**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
<b>EPA NPDWR Standard</b>		<b>5</b>	<b>1000</b>	<b>700</b>	<b>10000</b>	<b>250</b>
5-01B	12/01/89	< 5.0	6.3	< 5.0	NA	NA
	03/01/90	< 5.0	< 5.0	< 5.0	25.0	NA
	06/01/90	< 5.0	< 5.0	< 5.0	< 5.0	NA
	08/01/90	< 1.0	< 1.0	< 1.0	3.5	NA
	11/01/90	< 0.5	< 0.5	< 0.5	3.0	NA
	01/01/91	< 1.0	< 1.0	< 1.0	4.8	NA
	02/01/91	< 1.6	< 0.5	< 0.5	4.6	NA
	03/01/91	< 2.0	< 0.5	< 0.5	5.2	NA
	04/01/91	< 1.2	< 0.5	< 0.5	3.6	NA
	05/01/91	< 0.5	< 0.5	< 0.5	5.4	NA
	06/01/91	< 0.5	0.6	< 0.5	1.9	NA
	07/01/91	< 0.5	< 0.5	< 0.5	6.0	NA
	09/01/91	< 0.5	< 0.5	< 0.5	7.8	NA
	10/01/91	< 0.5	< 0.5	< 0.5	6.4	NA
	11/01/91	< 0.5	< 0.5	< 0.5	9.8	NA
	12/01/91	< 0.5	< 0.5	< 0.5	2.4	NA
	01/09/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/27/92	< 0.5	< 0.5	< 0.5	0.8	NA
	02/20/92	< 0.5	< 0.5	< 0.5	5.2	NA
	03/18/92	< 2.5	< 0.5	< 0.5	3.3	NA
	04/29/92	< 0.5	< 0.5	< 0.5	2.3	NA
	10/14/92	< 0.5	< 0.5	< 0.5	4.7	NA
	12/13/94	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/27/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
10/06/95	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/21/95	< 0.5	< 0.5	< 0.5	< 0.5	NA	
02/22/96	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA	
08/15/96	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/22/96	< 0.8	< 0.5	< 0.5	< 0.5	NA	
02/28/97	< 0.6	< 0.5	< 0.5	< 0.5	NA	
05/22/97	< 1.2	< 0.5	< 0.5	< 0.5	NA	
08/21/97	< 0.5	< 0.5	< 0.5	< 0.5	NA	
Plugged and Abandoned						
5-01C	11/23/97	1.4	< 0.5	< 0.5	< 0.5	NA
	01/08/98	2.0	< 0.5	< 0.5	< 0.5	NA
	02/12/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/11/98	6.5	< 0.5	< 0.5	< 0.5	NA
	10/02/98	5.2	< 0.5	< 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
	05/12/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	11/17/00	< 0.5	< 0.5	< 0.5	< 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	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/30/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/10/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/07/04	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/08/05	< 0.5	< 0.5	< 0.5	< 0.5	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 Groundwater Analytical Results (BTEX and Sulfate)**  
**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	1800.0	2000.0	< 200.0	NA	NA
	08/01/89	2500.0	4700.0	< 500.0	NA	NA
	11/01/89	1800.0	3100.0	250.0	NA	NA
	03/01/90	2300.0	3800.0	< 250.0	2400.0	NA
	06/01/90	1900.0	3100.0	< 250.0	2300.0	NA
	08/01/90	1400.0	2300.0	180.0	1700.0	NA
	11/01/90	1500.0	2400.0	230.0	1900.0	NA
	01/01/91	600.0	730.0	110.0	940.0	NA
	02/01/91	460.0	580.0	75.0	600.0	NA
	03/01/91	2400.0	3300.0	290.0	2600.0	NA
	04/01/91	830.0	1200.0	110.0	920.0	NA
	05/01/91	830.0	1200.0	150.0	1300.0	NA
	06/01/91	5.1	7.0	0.6	4.7	NA
	07/01/91	400.0	600.0	49.0	420.0	NA
	09/01/91	510.0	750.0	57.0	530.0	NA
	10/01/91	290.0	450.0	37.0	310.0	NA
	11/01/91	740.0	1200.0	97.0	950.0	NA
	12/01/91	330.0	580.0	31.0	320.0	NA
	01/09/92	360.0	710.0	52.0	480.0	NA
	01/28/92	420.0	810.0	64.0	560.0	NA
	02/20/92	890.0	1600.0	140.0	1200.0	NA
	03/19/92	910.0	2100.0	170.0	1700.0	NA
	04/29/92	1700.0	3800.0	240.0	2200.0	NA
	10/14/92	800.0	700.0	74.0	640.0	NA
	04/22/93	120.0	< 0.50	11.0	38.0	NA
	12/09/94	2100.0	2600.0	220.0	1800.0	NA
	06/26/95	1200.0	2700.0	130.0	1200.0	NA
	10/06/95	490.0	1600.0	66.0	640.0	NA
	11/21/95	740.0	2900.0	160.0	1100.0	NA
	02/22/96	260.0	1000.0	62.0	600.0	NA
05/21/96	380.0	120.0	1300.0	1100.0	NA	
08/14/96	420.0	1200.0	100.0	880.0	NA	
11/21/96	660.0	1300.0	150.0	1600.0	NA	
02/28/97	260.0	500.0	90.0	680.0	NA	
11/26/14				Plugged and Abandoned		
5-02C	11/23/97	26.0	2.7	9.1	2.7	NA
	02/11/98	110.0	7.0	33.0	8.3	NA
	06/10/98	460.0	1000.0	120.0	750.0	NA
	10/01/98	1300.0	3500.0	230.0	1800.0	NA
	04/28/99	1500.0	4400.0	260.0	2500.0	NA
	10/13/99	1300.0	3900.0	320.0	3100.0	NA
	05/13/00	980.0	3400.0	340.0	3500.0	NA
	11/17/00	671.0	1000.0	372.0	3820.0	NA
	05/24/01	446.0	60.0	340.0	3406.0	NA
	11/17/01	587.0	15.2	365.0	3622.0	NA
	04/20/02	450.0	< 10.0	300.0	3100.0	NA
	10/31/02	330.0	< 5.0	230.0	2000.0	NA
	05/22/03	290.0	< 10.0	200.0	800.0	NA
	11/11/03	450.0	< 2.5	240.0	770.0	NA
	06/08/04	270.0	28.0	160.0	1000.0	NA
	06/09/05	300.0	< 10.0	190.0	1700.0	NA
	09/25/11	27.0	< 10.0	91.0	220.0	NA
	07/10/12	40.0	12.0	130.0	730.0	NA
	07/23/13	34.0	50.0	130.0	1200.0	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	23.0	500.0	< 2.5
	04/17/19	< 1.0	< 1.0	1.9	52.0	< 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 Groundwater Analytical Results (BTEX and Sulfate)**  
**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	< 0.5	< 0.5	< 0.5	< 1.0	NA
	01/01/91	< 0.3	< 0.3	< 0.3	< 0.6	NA
	02/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	03/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	04/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	05/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	06/01/91	< 0.5	1.4	< 0.5	2.2	NA
	07/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	09/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	10/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	12/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/09/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/27/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	03/17/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	04/28/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/07/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	12/09/94	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/26/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/03/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/15/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/12/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/18/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/24/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/20/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/18/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
11/17/97	< 0.5	< 0.5	< 0.5	< 0.5	NA	
02/10/98	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/11/98	< 0.5	< 0.5	< 0.5	< 0.5	NA	
09/29/98	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/20/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/07/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
5-04B	10/01/89	< 25.0	< 25.0	< 25.0	NA	NA
	12/01/89	18.0	< 5.0	< 5.0	NA	NA
	01/01/90	21.0	< 5.0	< 5.0	NA	NA
	04/01/90	54.0	< 5.0	7.1	110.0	NA
	06/01/90	60.0	< 50.0	< 50.0	64.0	NA
	08/01/90	63.0	9.5	< 1.0	15.0	NA
	11/01/90	25.0	< 5.0	< 5.0	< 10.0	NA
	01/01/91	22.0	1.6	0.8	5.6	NA
	03/01/91	76.0	11.0	< 0.5	5.7	NA
	04/01/91	39.0	0.7	< 0.5	2.9	NA
	05/01/91	90.0	1.1	1.0	13.0	NA
	06/01/91	81.0	21.0	14	87.0	NA
	07/01/91	71.0	< 0.5	4.5	43.0	NA
	09/01/91	270.0	< 1.0	6.6	54.0	NA
	10/01/91	180.0	< 5.0	7.8	48.0	NA
	11/01/91	< 1.2	< 1.2	11.0	83.0	NA
	12/01/91	100.0	< 2.5	5.1	45.0	NA
	01/10/92	53.0	< 1.2	3.7	44.0	NA
	01/28/92	48.0	2.8	6.5	44.0	NA
	02/19/92	42.0	< 1.0	3.4	39.0	NA
	03/18/92	< 0.50	< 0.5	< 0.5	< 0.5	NA
	04/28/92	86.0	80.0	60.0	570.0	NA
	10/13/92	230.0	40.0	19.0	260.0	NA

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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	
5-04B Cont.	04/21/93	170.0	130.0	26.0	280.0	NA	
	12/12/94	12.0	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	93.0	1.5	6.1	1.9	NA	
	06/08/95	9.4	1.4	0.6	< 0.5	NA	
	06/26/95	15.0	< 0.5	0.7	< 1	NA	
	10/05/95	44.0	1.7	3.1	< 0.5	NA	
	11/17/95	9.9	1.1	0.6	< 0.5	NA	
	02/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA	
	05/14/00	3.0	< 2.0	< 2.0	< 4.0	NA	
	11/17/00	1.7	< 0.5	< 0.5	< 1.0	NA	
	05/22/01	1.7	< 1.0	< 1.0	< 2.0	NA	
	11/18/01	< 1.0	< 1.0	< 1.0	< 2.0	NA	
	04/19/02	< 0.5	< 0.5	< 0.5	< 0.5	NA	
	10/31/02	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/21/03	< 0.5	< 0.5	< 0.5	< 0.5	NA		
11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	2.9	NA	
	01/01/91	< 0.5	< 0.5	< 0.5	0.6	NA	
	02/01/91	49.0	35.0	7.4	56.0	NA	
	03/01/91	12.0	1.2	< 0.5	< 1.0	NA	
	04/01/91	1.3	< 0.5	< 0.5	< 1.0	NA	
	05/01/91	4.6	< 0.5	< 0.5	< 1.0	NA	
	06/01/91	3.8	< 0.5	< 0.5	< 1.0	NA	
	07/01/91	0.5	< 0.5	< 0.5	< 1.0	NA	
	09/01/91	3.0	< 0.5	< 0.5	< 1.0	NA	
	10/01/91	0.9	< 0.5	< 0.5	< 0.5	NA	
	11/01/91	1.2	< 0.5	< 0.5	< 0.5	NA	
	12/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA	
	01/09/92	< 0.5	< 0.5	< 0.5	< 0.5	NA	
	01/27/92	< 0.5	< 0.5	< 0.5	< 0.5	NA	
	02/19/92	< 0.5	< 0.5	< 0.5	< 0.5	NA	
	03/17/92	53.0	< 0.5	< 0.5	11.0	84.0	NA
	04/28/92	< 0.5	< 0.5	< 0.5	< 0.5	NA	
	10/12/92	770.0	110.0	25.0	160.0	NA	
	04/21/93	38.0	< 0.5	2.4	3.0	NA	
	12/12/94	150.0	33.0	16.0	47.0	NA	
	06/26/95	17.0	0.7	1.6	0.9	NA	
	10/05/95	8.2	< 0.5	0.9	< 0.5	NA	
	11/17/95	5.0	< 0.5	< 0.5	< 0.5	NA	
	02/20/96	0.9	< 0.5	< 0.5	< 0.5	NA	
	05/21/96	1.0	< 0.5	< 0.5	< 0.5	NA	
	08/14/96	0.9	< 0.5	< 0.5	< 0.5	NA	
	11/20/96	3.3	1.5	< 0.5	< 0.5	NA	
	02/25/97	3.0	1.4	< 0.5	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	1.0	< 0.5	< 0.5	< 1.0	NA	
05/22/01	1.6	< 1.0	< 1.0	< 2.0	NA		
11/18/01	7.4	< 1.0	< 1.0	< 2.0	NA		
04/18/02	5.2	< 0.5	< 0.5	< 0.5	NA		
10/30/02	3.4	< 0.5	< 0.5	< 0.5	NA		
05/21/03	2.1	0.9	1.0	2.6	NA		
11/10/03	1.8	< 0.5	< 0.5	< 0.5	NA		
06/08/04	2.5	< 0.5	0.5	1.3	NA		

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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
5-06B	10/01/89	15.0	< 5.0	< 5.0	NA	NA
	12/01/89	7.4	35.0	21.0	NA	NA
	01/01/90	< 5.0	< 5.0	8.3	NA	NA
	04/01/90	5.3	< 5.0	< 5.0	120.0	NA
	06/01/90	< 5.0	< 5.0	< 5.0	19.0	NA
	08/01/90	< 1.0	< 1.0	1.5	36.0	NA
	11/01/90	1.8	< 0.5	0.5	21.0	NA
	01/01/91	< 1.0	< 1.0	< 1.0	31.0	NA
	02/01/91	12.0	2.5	< 0.5	21.0	NA
	03/01/91	2.0	< 0.5	< 0.5	5.1	NA
	04/01/91	5.2	< 0.5	< 0.5	12.0	NA
	05/01/91	7.7	< 0.5	< 0.5	18.0	NA
	06/01/91	11.0	2.3	< 0.5	25.0	NA
	07/01/91	1.5	< 0.5	< 0.5	15.0	NA
	09/01/91	3.5	< 0.5	< 0.5	13.0	NA
	10/01/91	3.1	0.6	0.8	9.3	NA
	11/01/91	1.4	< 0.5	< 0.5	6.0	NA
	11/01/91	2.3	< 0.5	< 0.5	18.0	NA
	12/01/91	< 0.5	< 0.5	< 0.5	5.0	NA
	01/09/92	2.3	< 0.5	< 0.5	< 0.5	NA
	01/27/92	1.3	< 0.5	< 0.5	2.6	NA
	02/20/92	1.0	< 0.5	< 0.5	1.2	NA
	03/18/92	0.9	< 0.5	< 0.5	2.3	NA
	04/29/92	1.4	< 0.5	< 0.5	3.6	NA
	10/14/92	1.0	< 0.5	< 0.5	2.8	NA
	12/14/94	4.3	< 0.5	< 0.5	0.7	NA
	06/27/95	2.2	< 0.5	< 0.5	< 0.5	NA
	10/06/95	4.6	< 0.5	< 0.5	< 0.5	NA
	11/21/95	6.2	< 0.5	< 0.5	< 0.5	NA
	02/22/96	4.3	< 0.5	< 0.5	< 0.5	NA
	04/17/96	8.9	< 0.5	< 0.5	0.5	NA
	04/17/96	9.4	< 0.5	< 0.5	< 0.5	NA
	05/21/96	1.2	< 0.5	< 0.5	< 0.5	NA
08/15/96	2.4	< 0.5	< 0.5	< 0.5	NA	
11/22/96	0.9	< 5.0	< 5.0	< 0.5	NA	
02/28/97	0.9	< 5.0	< 5.0	< 0.5	NA	
05/22/97	0.7	< 5.0	< 5.0	< 0.5	NA	
08/20/97	0.7	< 5.0	< 5.0	< 0.5	NA	
11/23/97	1.4	0.6	< 5.0	11.0	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	< 0.5	< 0.5	< 0.5	< 1.0	NA
	05/22/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	11/19/01	1.2	< 1.0	< 1.0	< 2.0	NA
	04/20/02	1.1	< 0.5	< 0.5	< 0.5	NA
	10/30/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/10/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/07/04	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/09/05	< 0.5	< 0.5	< 0.5	< 0.5	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	
06/16/22	< 1.0	< 1.0	< 1.0	< 1.5	59	
10/25/22	< 1.0	< 1.0	< 1.0	< 1.5	51	



**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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
5-12B	08/01/90	< 1.0	< 1.0	< 1.0	< 1.0	NA
	11/01/90	< 0.5	< 0.5	< 0.5	< 1.0	NA
	01/01/91	1.5	4.7	0.8	3.8	NA
	02/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	03/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	04/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	05/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	06/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	07/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	10/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/07/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	04/30/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/08/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/03/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/16/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/13/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/26/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/19/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/17/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/11/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/09/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	09/30/98	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/20/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/17/14			Plugged and Abandoned		NA	
5-13B	08/01/90	54.0	13.0	< 1.0	330.0	NA
	11/01/90	61.0	< 10.0	< 10.0	480.0	NA
	01/01/91	180.0	17.0	< 5.0	310.0	NA
	02/01/91	270.0	25.0	< 10.0	460.0	NA
	03/01/91	240.0	< 50.0	< 50.0	480.0	NA
	04/01/91	430.0	< 0.5	< 0.5	620.0	NA
	05/01/91	290.0	< 10.0	< 10.0	450.0	NA
	06/01/91	330.0	0.5	< 0.5	600.0	NA
	07/01/91	97.0	0.7	< 0.5	760.0	NA
	10/01/91	71.0	< 5.0	< 5.0	510.0	NA
	01/08/92	150.0	< 25.0	< 25.0	570.0	NA
	05/01/92	76.0	8.0	< 0.5	67.0	NA
	10/13/92	88.0	8.7	< 0.5	1.5	NA
	10/05/95	0.6	2.5	0.5	1.9	NA
	11/20/95	< 0.5	< 0.5	0.6	2.0	NA
	02/21/96	1.0	0.7	< 0.5	< 0.5	NA
	05/21/96	0.7	< 0.5	< 0.5	0.8	NA
	08/13/96	1.0	5.4	< 0.5	< 0.5	NA
	11/21/96	1.2	6.1	< 0.5	< 0.5	NA
	02/26/97	1.5	5.9	< 0.5	2.5	NA
	05/21/97	1.1	4.3	< 0.5	0.7	NA
	08/19/97	1.2	2.9	< 0.5	0.6	NA
	11/18/97	1.3	2.0	< 0.5	< 0.5	NA
	02/11/98	0.9	1.5	< 0.5	< 0.5	NA
	06/09/98	0.8	0.7	< 0.5	< 0.5	NA
	09/30/98	< 0.5	1.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 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	< 0.5	< 0.5	< 0.5	< 0.5	NA	
10/31/02	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/20/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/17/14			Plugged and Abandoned		NA	

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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	< 0.5	< 0.5	< 0.5	< 1.0	NA
	01/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	02/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	03/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	04/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	05/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	06/01/91	2.8	3.2	0.5	2.0	NA
	07/01/91	0.60	< 0.5	< 0.5	< 1.0	NA
	10/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/06/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	04/30/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/08/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/04/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/16/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	2.6	1.5	< 0.5	NA
	08/13/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/26/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/19/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/17/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/10/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/09/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	09/30/98	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/22/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 1.0	NA
	01/01/91	< 0.3	< 0.3	< 0.3	1.0	NA
	02/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	03/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	04/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	05/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	06/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	07/01/91	< 0.5	0.6	< 0.5	< 1.0	NA
	10/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/07/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	04/30/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/08/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/05/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/16/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/14/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/26/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/19/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/17/97	0.9	< 0.5	< 0.5	0.5	NA
	02/11/98	1.5	< 0.5	1.0	1.2	NA
	06/10/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	09/30/98	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/22/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/18/14		Plugged and Abandoned				NA

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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	19.0	25.0	50.0	320.0	NA
	01/01/91	< 0.3	< 0.3	< 0.3	< 0.6	NA
	02/01/91	320.0	46.0	170.0	860.0	NA
	03/01/91	920.0	14.0	1.2	130.0	NA
	04/01/91	92.0	< 0.5	0.7	9.2	NA
	05/01/91	270.0	< 12.0	230.0	1100.0	NA
	06/01/91	450.0	490.0	460.0	2300.0	NA
	07/01/91	260.0	140.0	400.0	2400.0	NA
	09/01/91	460.0	320.0	550.0	3600.0	NA
	10/01/91	170.0	420.0	460.0	3200.0	NA
	11/01/91	180.0	430.0	330.0	2400.0	NA
	12/01/91	140.0	490.0	360.0	2900.0	NA
	01/08/92	200.0	500.0	410.0	3000.0	NA
	02/20/92	170.0	330.0	470.0	3200.0	NA
	03/18/92	53.0	89.0	400.0	2400.0	NA
	04/29/92	23.0	3.3	210.0	1000.0	NA
	10/13/92	5.1	2.3	12.0	63.0	NA
	04/20/93	6.5	< 0.5	14.0	51.0	NA
	10/05/95	610.0	5900.0	300.0	2600.0	NA
	11/20/95	970.0	7100.0	430.0	3100.0	NA
	02/21/96	1700.0	6900.0	340.0	3600.0	NA
	05/21/96	1500.0	280.0	6900.0	3500.0	NA
	08/15/96	670.0	3600.0	130.0	2400.0	NA
	11/21/96	460.0	2200.0	130.0	2500.0	NA
	02/27/97	250.0	1100.0	190.0	2000.0	NA
	05/22/97	130.0	720.0	110.0	1500.0	NA
	08/20/97	130.0	820.0	120.0	1300.0	NA
	11/19/97	85.0	730.0	100.0	1100.0	NA
	02/11/98	41.0	360.0	90.0	660.0	NA
	06/10/98	23.0	210.0	56.0	590.0	NA
	10/01/98	140.0	190.0	66.0	590.0	NA
	04/28/99	200.0	170.0	45.0	620.0	NA
	10/13/99	610.0	630.0	79.0	600.0	NA
	12/05/99	720.0	390.0	130.0	570.0	NA
	05/12/00	600.0	290.0	92.0	360.0	NA
	11/17/00	1360.0	742.0	213.0	1010.0	NA
	05/24/01	1240.0	487.0	174.0	1105.0	NA
	11/18/01	2330.0	948.0	356.0	1987.0	NA
	04/20/02	1800.0	660.0	230.0	1400.0	NA
	10/31/02	1300.0	240.0	170.0	1100.0	NA
05/22/03	1300.0	130.0	180.0	950.0	NA	
11/11/03	2300.0	240.0	340.0	1700.0	NA	
06/08/04	890.0	< 5.0	110.0	260.0	NA	
06/08/05	1400.0	< 5.0	160.0	520.0	NA	
07/10/06	1600.0	< 20.0	150.0	380.0	NA	
07/25/07	1700.0	< 20.0	170.0	590.0	NA	
09/23/08	1900.0	< 5.0	180.0	600.0	NA	
08/04/09	1300.0	< 5.0	150.0	590.0	NA	
05/18/10	3800.0	11.0	340.0	2200.0	NA	
09/25/11	4400.0	< 20.0	350.0	2600.0	NA	
06/12/12	3300.0	< 50.0	230.0	1600.0	NA	
07/23/13	5100.0	< 50.0	390.0	3000.0	NA	
04/21/14	5000.0	< 50.0	360.0	2500.0	NA	
04/13/15	3200.0	< 50.0	240.0	1300.0	NA	
04/13/15 (DUP)	1600.0	< 50.0	110.0	610.0	NA	
04/21/16	2500.0	< 10.0	220.0	1100.0	NA	
04/20/18	3500.0	2.3	300.0	1800.0	8	
04/17/19	1900.0	< 20.0	150.0	470.0	9	
10/03/19	77.0	< 1.0	3.0	12.0	58	
06/17/20	14.0	< 2.0	< 2.0	< 3.0	69	
10/08/20	32.0	< 1.0	1.0	3.3	64	
06/03/21	81.0	< 1.0	< 1.0	< 2.0	130	
10/14/21	71.0	< 1.0	2.9	< 1.5	100	
06/16/22	11.0	< 1.0	< 1.0	< 2.0	99	
10/25/22	19.0	< 1.0	< 1.0	< 2.0	93	

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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	< 0.5	< 0.5	< 0.5	< 1.0	NA
	01/01/91	< 0.5	< 0.5	< 0.5	< 0.50	NA
	02/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	03/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	04/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	05/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	06/01/91	0.7	2.9	1.8	11.0	NA
	07/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	10/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/08/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	03/17/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	04/28/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/07/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/06/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/20/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/14/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/27/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/20/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/18/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/11/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/10/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/01/98	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 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	< 0.5	< 0.5	< 0.5	< 0.5	NA	
10/31/02	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/22/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/05	< 0.5	< 0.5	< 0.5	< 0.5	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 Groundwater Analytical Results (BTEX and Sulfate)**  
**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	1100.0	14.0	< 1.0	220.0	NA
	11/01/90	1900.0	< 100.0	< 100.0	320.0	NA
	01/01/91	1300.0	< 25.0	< 25.0	170.0	NA
	02/01/91	970.0	11.0	< 5.0	170.0	NA
	03/01/91	260.0	1.8	< 0.5	23.0	NA
	04/01/91	1000.0	< 1.0	< 1.0	78.0	NA
	06/01/91	680.0	1.1	1.0	150.0	NA
	07/01/91	1500.0	3.0	1.5	70.0	NA
	10/01/91	1200.0	< 25.0	< 25.0	130.0	NA
	01/08/92	1100.0	< 25.0	< 25.0	88.0	NA
	05/01/92	790.0	2.7	< 0.5	36.0	NA
	10/13/92	820.0	< 0.5	1.0	36.0	NA
	04/22/93	360.0	< 0.5	0.5	2.6	NA
	10/05/95	87.0	8.4	9.0	26.0	NA
	11/17/95	240.0	24.0	22.0	53.0	NA
	02/21/96	290.0	54.0	37.0	110.0	NA
	05/21/96	390.0	56.0	1.3	50.0	NA
	08/14/96	400.0	< 0.5	53.0	0.9	NA
	11/21/96	210.0	5.0	48.0	< 0.5	NA
	02/27/97	9.4	5.2	64.0	1.5	NA
	05/22/97	< 0.5	4.7	88.0	0.8	NA
	08/19/97	1.1	4.9	110.0	1.5	NA
	11/17/97	0.9	6.0	140.0	1.1	NA
	02/11/98	0.9	6.4	120.0	1.1	NA
	06/10/98	< 0.5	6.2	64.0	< 0.5	NA
	09/30/98	5.6	1.3	17.0	1.0	NA
	04/28/99	2.0	< 1.0	< 1.0	2.0	NA
	10/12/99	17.0	< 2.0	5.0	42.0	NA
	05/12/00	10.0	< 2.0	12.0	14.0	NA
	11/16/00	1.9	< 0.5	< 0.5	1.6	NA
	05/24/01	2.9	< 1.0	< 1.0	< 2.0	NA
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/20/02	0.6	< 0.5	0.7	0.9	NA
	10/31/02	0.7	< 0.5	< 0.5	1.0	NA
	05/22/03	< 0.5	5.9	< 0.5	2.5	NA
	11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/08/04	< 0.5	< 0.5	0.9	1.2	NA
	06/08/05	< 0.5	< 0.5	< 0.5	< 0.5	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	
06/16/22	< 1.0	< 1.0	< 1.0	< 1.5	84	
10/25/22	< 1.0	< 1.0	< 1.0	< 1.5	70	

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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	190.0	3.5	5.8	44.0	NA
	11/01/90	180.0	11.0	< 10.0	< 20.0	NA
	01/01/91	150.0	< 0.3	0.6	15.0	NA
	02/01/91	200.0	5.8	< 2.5	14.0	NA
	03/01/91	200.0	30.0	180.0	880.0	NA
	04/01/91	290.0	< 25.0	210.0	880.0	NA
	05/01/91	240.0	< 0.5	0.7	21.0	NA
	06/01/91	290.0	7.5	2.2	22.0	NA
	07/01/91	240.0	< 0.5	0.6	14.0	NA
	10/01/91	140.0	< 2.5	< 2.5	12.0	NA
	01/08/92	240.0	< 5.0	< 5.0	9.0	NA
	02/20/92	150.0	< 2.5	< 2.5	4.2	NA
	03/19/92	140.0	< 0.5	< 0.5	5.9	NA
	04/29/92	190.0	< 0.5	< 0.5	4.3	NA
	10/13/92	130.0	< 0.5	< 0.5	4.4	NA
	10/05/95	1.0	0.7	< 0.5	< 0.5	NA
	11/20/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/21/96	0.9	0.8	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/14/96	0.7	0.6	< 0.5	< 0.5	NA
	11/21/96	0.9	0.6	< 0.5	< 0.5	NA
	02/27/97	1.3	1.0	< 0.5	0.7	NA
	05/21/97	1.2	1.0	< 0.5	< 0.5	NA
	08/20/97	1.7	1.3	0.6	< 0.5	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	43.0	< 1.0	1.0	3.0	NA
	10/12/99	13.0	< 2.0	< 2.0	< 4.0	NA
	05/12/00	16.0	< 2.0	3.0	4.0	NA
	11/17/00	1.0	< 0.5	1.9	< 1.0	NA
	05/24/01	< 1.0	< 1.0	1.2	< 2.0	NA
11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA	
04/19/02	< 0.5	< 0.5	< 0.5	< 0.5	NA	
10/31/02	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/22/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/18/14				Plugged and Abandoned		
5-20B	08/01/90	58.0	8.0	< 1.0	51.0	NA
	11/01/90	180.0	< 5.0	< 5.0	12.0	NA
	01/01/91	93.0	14.0	< 1.0	23.0	NA
	02/01/91	280.0	14.0	< 10	46.0	NA
	02/01/91	110.0	< 5.0	< 5.0	< 5.0	NA
	03/01/91	200.0	< 5.0	< 5.0	< 10.0	NA
	04/01/91	180.0	< 1.0	< 1.0	19.0	NA
	05/01/91	160.0	< 5.0	< 5.0	32.0	NA
	06/01/91	300.0	1.1	< 0.5	15.0	NA
	07/01/91	73.0	1.1	1.0	24.0	NA
	10/01/91	57.0	2.2	< 1.2	11.0	NA
	01/08/92	31.0	< 1.2	< 1.2	6.7	NA
	05/01/92	55.0	3.9	4.9	6.2	NA
	10/12/92	52.0	2.7	4.4	11.0	NA
	04/21/93	14.0	< 0.5	6.1	10.0	NA
	10/05/95	3.2	0.7	3.5	< 0.5	NA
	11/17/95	12.0	2.3	< 0.5	2.6	NA
	02/21/96	2.8	1.7	2.7	2.3	NA
	05/21/96	1.7	1.3	0.8	< 0.5	NA
	08/14/96	8.1	0.7	0.8	1.5	NA
	11/20/96	7.2	0.9	1.4	< 0.5	NA
	02/27/97	12.0	1.3	1.8	3.3	NA
	05/22/97	2.0	0.7	0.8	0.5	NA
	08/19/97	10.0	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	0.8	0.7	< 0.5	NA	
10/01/98	1.5	1.4	1.5	1.3	NA	



**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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	1.0	< 0.5	0.8	< 1.0	NA
	05/24/01	3.3	< 1.0	< 1.0	< 2.0	NA
	11/17/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/19/02	0.9	< 0.5	< 0.5	< 0.5	NA
	10/31/02	0.8	0.7	< 0.5	< 0.5	NA
	05/22/03	1.0	0.9	< 0.5	< 0.5	NA
	11/11/03	0.5	< 0.5	< 0.5	< 0.5	NA
	06/08/04	1.1	< 0.5	< 0.5	< 0.5	NA
	06/08/05	1.0	0.5	< 0.5	< 0.5	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	
06/16/22	< 1.0	< 1.0	< 1.0	< 1.5	87	
6/16/22 (DUP)	< 1.0	< 1.0	< 1.0	< 1.5	85	
10/25/22	< 1.0	< 1.0	< 1.0	< 1.5	100	
10/25/22 (DUP)	< 1.0	< 1.0	< 1.0	< 1.5	100	
5-22B	10/01/90	< 1.0	< 1.0	< 1.0	< 1.0	NA
	01/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	03/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	04/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	05/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	06/01/91	1.9	5.5	13.0	58.0	NA
	07/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	09/01/91	< 0.5	< 0.5	< 0.5	< 1.0	NA
	10/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	12/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/10/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/28/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	03/18/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	04/28/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/08/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	12/12/94	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/26/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/03/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/15/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/12/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/18/96	< 0.5	< 0.5	< 0.5	< 1.9	NA
	02/27/97	5.6	9.3	< 0.5	65.0	NA
	05/22/97	3.6	< 0.5	< 0.5	7.1	NA
08/20/97	3.2	7.3	< 0.5	5.3	NA	
11/18/97	3.8	2.3	< 0.5	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	< 0.5	< 0.5	< 1.0	NA
	01/01/91	3.0	< 0.5	< 0.5	< 0.6	NA
	02/01/91	6.6	< 0.5	< 0.5	< 1.0	NA
	03/01/91	8.5	< 0.5	< 0.5	1.2	NA
	04/01/91	5.0	< 0.5	< 0.5	< 1.0	NA
	05/01/91	120.0	< 0.5	< 0.5	7.5	NA
	06/01/91	3.8	0.6	< 0.5	5.7	NA
07/01/91	2.0	< 0.5	< 0.5	1.3	NA	

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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	< 0.5	< 0.5	1.1	NA
	10/01/91	1.6	< 0.5	< 0.5	< 0.5	NA
	11/01/91	0.6	< 0.5	< 0.5	< 0.5	NA
	12/01/91	< 0.5	< 0.5	< 0.5	< 0.5	NA
	01/07/92	0.7	< 0.5	< 0.5	< 0.5	NA
	02/18/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	03/17/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	04/30/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/09/92	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/04/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/16/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/20/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/22/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/13/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/26/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/19/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/17/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/10/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/08/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	09/29/98	< 0.5	< 0.5	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/20/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/17/14				Plugged and Abandoned		
5-24B	10/01/90	63.0	< 1.0	2.0	1.6	NA
	11/01/90	100.0	< 5.0	< 5.0	< 10.0	NA
	01/01/91	40.0	0.6	0.7	< 1.0	NA
	02/01/91	150.0	16	< 5.0	21.0	NA
	03/01/91	89.0	9.8	< 0.5	3.5	NA
	04/01/91	230.0	< 1.0	< 1.0	6.3	NA
	05/01/91	4.3	< 0.5	< 0.5	1.3	NA
	06/01/91	280.0	0.9	0.6	13.0	NA
	07/01/91	130.0	< 0.5	< 0.5	8.7	NA
	09/01/91	250.0	0.5	< 0.5	12.0	NA
	10/01/91	140.0	< 2.5	< 2.5	< 2.5	NA
	11/01/91	180.0	< 5.0	< 5.0	< 5.0	NA
	12/01/91	180.0	< 5.0	< 5.0	< 5.0	NA
	01/07/92	120.0	< 2.5	< 2.5	< 2.5	NA
	02/18/92	140.0	< 2.5	< 2.5	< 2.5	NA
	03/17/92	120.0	< 2.5	0.8	1.4	NA
	04/30/92	100.0	2.1	1.4	2.2	NA
	10/13/92	1.2	< 0.5	0.8	0.8	NA
	04/21/93	< 0.5	< 0.5	0.7	1.4	NA
	10/03/95	< 0.5	< 0.5	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	< 0.5	0.6	0.8	NA
	02/26/97	0.9	0.6	1.0	1.8	NA
	05/21/97	0.7	< 0.5	1.0	1.6	NA
	08/19/97	1.2	0.5	0.9	< 5.0	NA
	11/18/97	0.6	< 0.5	0.7	1.3	NA
	02/10/98	0.5	< 0.5	0.7	< 0.5	NA
	06/09/98	< 0.5	< 0.5	< 0.5	< 0.5	NA
	09/29/98	< 0.5	0.6	< 0.5	< 0.5	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	< 0.5	< 0.5	< 0.5	< 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	< 0.5	< 0.5	< 0.5	0.6	NA	
10/31/02	< 0.5	< 0.5	< 0.5	< 0.5	NA	
05/20/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA	
06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA	
11/17/14				Plugged and Abandoned		

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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	120.0	< 2.5	< 2.5	< 2.5	NA
	02/18/92	140.0	< 2.5	< 2.5	< 2.5	NA
	03/17/92	120.0	< 0.5	0.8	1.4	NA
	04/30/92	100.0	2.1	1.4	2.2	NA
	10/13/92	1.2	< 0.5	0.8	0.8	NA
	04/21/93	< 0.5	< 0.5	0.7	1.4	NA
	12/13/94	4700.0	13000.0	460.0	5900.0	NA
5-35B	04/22/93	360.0	1400.0	130.0	1700.0	NA
	05/18/10	5700.0	< 100.0	310.0	1900.0	NA
	09/25/11	3700.0	< 100.0	170.0	900.0	NA
	06/12/12	4000.0	< 100.0	190.0	1200.0	NA
	07/23/13	4100.0	< 100.0	180.0	1200.0	NA
	04/22/14	2500.0	< 20.0	110.0	830.0	NA
	04/13/15	980.0	< 50.0	61.0	480.0	NA
	04/21/16	2100.0	< 100	90.0	780.0	7
	03/28/17	1800.0	< 50.0	< 50.0	490.0	3
	6/20/2017	1300.0	< 20.0	28.0	250.0	5
	9/22/2017	1300.0	8.7	25.0	250.0	3
	4/19/2018	1800.0	< 20.0	36.0	300.0	27
	4/16/2019	2400.0	< 10.0	54.0	410.0	< 2.5
	10/3/2019	2500.0	< 10.0	59.0	470.0	< 2.5
	06/16/20	2800.0	< 50.0	66.0	470.0	< 5.0
	10/07/20	3200.0	< 20.0	120.0	570.0	4
	06/03/21	2500.0	< 5.0	68.0	300.0	7
10/14/21	1900.0	<10.0	48.0	300.0	3	
06/16/22	1200.0	<10.0	25.0	110.0	67	
	10/25/22	830.0	<10.0	19.0	21.0	70
5-36E	12/14/94	620.0	2700.0	230.0	3300.0	NA
5-37I	02/22/96	640.0	520.0	24.0	990.0	NA
	04/16/96	580.0	300.0	22.0	600.0	NA
	05/21/96	590.0	19.0	340.0	600.0	NA
	07/03/96	1100.0	600.0	31.0	880.0	NA
	08/15/96	310.0	54.0	14.0	430.0	NA
	11/22/96	440.0	140.0	20.0	520.0	NA
5-41B	10/09/92	47.0	3.9	0.7	1.0	NA
	04/20/93	1.4	< 0.5	2.5	2.1	NA
	10/04/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/16/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/13/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/25/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/20/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/18/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/26/14	Plugged and Abandoned				
5-47B	10/07/92	1.0	< 0.5	< 0.5	< 0.5	NA
	04/20/93	2.9	< 0.5	< 0.5	< 0.5	NA
	10/04/95	7.2	2.0	0.6	4.6	NA
	11/15/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/13/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/26/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/20/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/18/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	Plugged and Abandoned					

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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
5-48B	10/12/92	380.0	1100.0	84.0	840.0	NA
	04/21/93	99.0	390.0	34.0	360.0	NA
	10/05/95	550.0	940.0	290.0	1900.0	NA
	11/20/95	820.0	1700.0	390.0	2600.0	NA
	02/21/96	690.0	1100.0	550.0	3300.0	NA
	04/16/96	600.0	1700.0	420.0	3100.0	NA
	05/21/96	620.0	480.0	3600.0	3600.0	NA
	07/03/96	670.0	5100.0	410.0	3500.0	NA
	08/14/96	770.0	7600.0	340.0	3900.0	NA
	11/21/96	960.0	8500.0	330.0	3900.0	NA
	02/27/97	1100.0	10000.0	430.0	4700.0	NA
	05/22/97	1100.0	8000.0	450.0	4400.0	NA
	08/20/97	1200.0	7000.0	440.0	4200.0	NA
	11/19/97	1400.0	6900.0	330.0	3900.0	NA
	12/09/97	1800.0	7700.0	430.0	4700.0	NA
	01/08/98	1600.0	7600.0	440.0	4100.0	NA
	02/11/98	2100.0	8000.0	460.0	4600.0	NA
	06/11/98	2100.0	8000.0	200.0	3800.0	NA
	10/01/98	2100.0	6100.0	420.0	4300.0	NA
	04/28/99	1700.0	4400.0	140.0	3100.0	NA
	10/12/99	1000.0	1900.0	320.0	2900.0	NA
	05/12/00	1400.0	680.0	270.0	2200.0	NA
	11/17/00	860.0	157.0	259.0	2360.0	NA
05/22/01	683.0	194.0	28.8	1703.0	NA	
11/18/01	841.0	24.3	241.0	1893.0	NA	
04/20/02	1100.0	23.0	190.0	1700.0	NA	
10/30/02	5600.0	51.0	350.0	3100.0	NA	
05/21/03	2100.0	< 50.0	320.0	2700.0	NA	
11/11/03	4100.0	< 25.0	520.0	4700.0	NA	
06/07/04	3400.0	38.0	420.0	3200.0	NA	
06/09/05	2500.0	< 25.0	200.0	1500.0	NA	
5-57B	04/19/93	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/04/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/15/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/12/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/08/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/25/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/20/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
08/18/97	< 0.5	< 0.5	< 0.5	< 0.5	NA	
Plugged and Abandoned						
5-58B	04/19/93	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/04/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/16/95	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/19/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	08/12/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/18/96	< 0.5	< 0.5	< 0.5	< 0.5	NA
	02/25/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/20/97	< 0.5	< 0.5	< 0.5	< 0.5	NA
08/18/97	< 0.5	< 0.5	< 0.5	< 0.5	NA	
Plugged and Abandoned						

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/30/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/09/05	< 0.5	< 0.5	< 0.5	< 0.5	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
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	
06/16/22	< 1.0	< 1.0	< 1.0	< 1.5	62	
10/25/22	< 1.0	< 1.0	< 1.0	< 1.5	62	
5-60	11/18/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/20/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/31/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/21/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/09/05	< 0.5	< 0.5	< 0.5	< 0.5	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	
SVE-1	05/11/00	< 1.0	< 2.0	< 2.0	< 4.0	NA
	11/16/00	< 0.5	< 0.5	< 0.5	< 1.0	NA
	11/18/01	< 1.0	< 1.0	< 1.0	< 2.0	NA
	04/18/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
	10/31/02	< 0.5	< 0.5	< 0.5	< 0.5	NA
	05/22/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	11/11/03	< 0.5	< 0.5	< 0.5	< 0.5	NA
	06/08/04	< 0.5	< 0.5	< 0.5	< 0.5	NA
11/18/14	Plugged and Abandoned					

**Table 3**  
**Summary of Groundwater Analytical Results (BTEX and Sulfate)**  
**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
SVE-3	05/18/10	6300.0	< 50.0	430.0	3900.0	NA
	09/25/11	6300.0	< 100.0	380.0	3300.0	NA
	06/12/12	5400.0	< 100.0	240.0	3500.0	NA
	07/23/13	6200.0	< 100.0	280.0	2700.0	NA
	04/22/14	6800.0	< 50.0	280.0	1900.0	NA
	04/13/15	5600.0	< 100.0	250.0	1400.0	NA
	04/21/16	4200.0	< 10.0	220.0	830.0	< 2.5
	03/28/17	4300.0	< 20.0	160.0	2900.0	< 0.5
	6/20/17	5700.0	< 20.0	270.0	4600.0	1
	9/22/17	3400.0	< 8.0	120.0	2200.0	< 2.5
	4/19/18	3700.0	< 20.0	140.0	390.0	31
	4/17/19	3500.0	< 20.0	160.0	210.0	2400
	10/4/19	3100.0	< 20.0	210.0	250.0	6400
	6/17/20	3700.0	< 20.0	310.0	260.0	5400
	10/8/20	4100.0	< 20.0	340.0	280.0	8000
06/03/21	3800.0	< 5.0	330.0	230.0	9000	
10/14/21	3800.0	<10.0	400.0	270.0	8700	
06/16/22	660.0	<10.0	82.0	38.0	920	
10/25/22	420.0	<10.0	40.0	<10.0	360	
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	23.0	5.4	1.2	9.4	12000
	6/16/2020	20.0	7.3	< 2.0	11.0	530
	10/7/2020	21.0	8.2	1.5	16.0	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
	06/19/22	1.5	<1.0	<1.0	<1.0	420
10/25/22	4.1	2.1	<1.0	4.1	910	
AS-10	4/20/2018	120.0	53.0	<5.0	35.0	34000
	4/17/2019	380.0	320.0	33.0	290.0	18000
	10/3/2019	200.0	170.0	13.0	52.0	11000
	6/16/2020	330.0	320.0	32.0	220.0	8700
	10/7/2020	400.0	380.0	39.0	300.0	4900
	06/03/21	400.0	400.0	38.0	290.0	3300
	10/14/21	210.0	200.0	17.0	130.0	1900
	06/16/22	240.0	300.0	21.0	140.0	1700
10/25/22	230.0	280.0	21.0	140.0	1700	
AS-15	4/20/2018	< 10.0	< 10.0	< 10.0	< 15.0	20000
	4/17/2019	39.0	< 5.0	< 5.0	< 10.0	29000
	10/4/2019	5.7	< 1.0	< 1.0	< 1.5	3500
	6/17/2020	120.0	12.0	1.6	16.0	16000
	10/8/2020	650.0	93.0	23.0	230.0	7000
	06/03/21	900.0	53.0	27.0	250.0	5500
	10/14/2021	630.0	26.0	9.2	93.0	5200
	6/16/2022	500.0	19.0	5.2	40.0	3300
10/25/2022	490.0	20.0	5.5	39.0	1900	

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 Groundwater Analytical Results (PCBs)**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
<b>EPA NPDWR Standard</b>		<b>0.5</b>						
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	94.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1990	< 1.0	< 1.0	< 1.0	11.0	< 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	28.0	< 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	210.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/1/1991	< 1.0	76.0	< 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	67.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/20/1992	< 1.0	82.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/18/1992	< 1.0	54.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/29/1992	< 1.0	71.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/1992	< 1.0	82.0	< 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	4.2	< 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	0.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/24/1996	< 1.0	34.0	< 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	38.0	< 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	38.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/2/1998	< 1.0	10.0	< 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	1.4	< 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 Groundwater Analytical Results (PCBs)**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
<b>EPA NPDWR Standard</b>		<b>0.5</b>						
5-06B	10/1/1989	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1989	< 1.0	180.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/1/1990	< 1.0	100.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/1/1990	< 1.0	170.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1990	< 1.0	< 1.0	< 1.0	39.0	< 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	65.0	< 1.0	< 1.0	< 1.0
	1/1/1991	< 1.0	< 1.0	< 1.0	39.0	< 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	250.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/1/1991	< 1.0	140.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/1/1991	< 1.0	210.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1991	< 1.0	270.0	< 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	190.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/20/1992	< 1.0	200.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/18/1992	< 1.0	140.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/29/1992	< 1.0	150.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/1992	< 1.0	280.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/14/1994	88.0	< 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	78.0	< 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	260.0	< 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	7.3	< 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 Groundwater Analytical Results (PCBs)**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
<b>EPA NPDWR Standard</b>		<b>0.5</b>						
5-06C	11/23/1997	< 0.5	160.0	< 0.5	114.0	< 0.5	< 0.5	< 0.5
	12/9/1997	< 0.5	< 0.5	65.0	< 0.5	< 0.5	< 0.5	< 0.5
	1/8/1998	< 0.5	220.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	2/12/1998	< 0.5	320.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/11/1998	< 0.5	180.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/2/1998	< 0.5	29.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	4/29/1999	7.1	320.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/14/1999	14.0	300.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	5/13/2000	7.2	< 0.5	< 0.5	266.0	< 0.5	< 0.5	< 0.5
	5/13/2000	6.6	< 0.5	< 0.5	263.0	< 0.5	< 0.5	< 0.5
	11/17/2000	< 0.5	< 1.0	< 0.5	5.2	< 0.5	< 0.5	< 0.5
	11/17/2000	4.5	< 0.5	< 0.5	5.2	< 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	5.8	< 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	150.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	4/20/2002	< 10.0	168.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	10/30/2002	--	41.0	< 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	
6/16/2022	1.9	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
10/25/2022	1.8	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	

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

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
<b>EPA NPDWR Standard</b>		<b>0.5</b>						
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	
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	<b>30.7</b>	< 0.5	< 0.5	< 0.5
	4/20/2002	< 10.0	<b>78.6</b>	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	10/30/2002	--	<b>19.0</b>	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/30/2002	--	<b>19.0</b>	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/21/2003	--	<b>14.0</b>	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/21/2003	--	<b>14.0</b>	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/2003	<b>11.0</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/2003	<b>9.7</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	<b>10.0</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	<b>11.0</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	<b>4.6</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	<b>3.3</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	<b>3.4</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	<b>3.3</b>	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	<b>1.8</b>	< 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	<b>1.3</b>	< 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	<b>2.6</b>	< 1.0	< 1.0	< 1.0
	7/10/2012	< 1.0	< 1.0	< 1.0	<b>1.0</b>	< 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	<b>0.6</b>	< 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	<b>7.8</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4/20/2018	<b>0.8</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
4/16/2019	<b>4.0</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
10/3/2019	<b>2.6</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
6/16/2020	<b>3.1</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
10/7/2020	<b>2.5</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
6/3/2021	< 0.25	< 0.25	< 0.25	<b>4.2</b>	< 0.25	< 0.25	< 0.25	
10/14/2021	<b>3.5</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
6/17/2022	<b>3.8</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	
10/25/2022	<b>5.2</b>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	

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

Well ID	Date	PCB Concentrations by Aroclor (µg/L)						
		1016	1221	1232	1242	1248	1254	1260
<b>EPA NPDWR Standard</b>		<b>0.5</b>						
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 Groundwater Analytical Results (ISCO Monitoring Wells)**  
**Thoreau Compressor Station No. 5**  
**Transwestern Pipeline Company, LLC**  
**Thoreau, McKinley County, New Mexico**

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Sulfate (mg/L)	Dissolved Iron (mg/L)	Total Iron (mg/L)	Dissolved Manganese (mg/L)
<b>EPA NPDWR Standard</b>		<b>5.0</b>	<b>1000</b>	<b>700</b>	<b>10000</b>	<b>250*</b>	<b>0.3*</b>	<b>NE</b>	<b>0.05*</b>
SVE-3	4/21/2016	<b>4200.0</b>	< 10.0	220.0	830	< 2.5	<b>3.2</b>	40.0	--
	3/28/2017	<b>4300.0</b>	< 20.0	160.0	2900	< 0.5	<b>0.4</b>	--	--
	6/20/2017	<b>5700.0</b>	< 20.0	270.0	4600	0.7	<b>4.1</b>	19.0	--
	9/22/2017	<b>3400.0</b>	< 8.0	120.0	2200	< 2.5	<b>3.6</b>	13.0	--
	4/19/2018	<b>3700.0</b>	< 20.0	140.0	390	31.0	< 0.02	--	<b>0.97</b>
	4/17/2019	<b>3500.0</b>	< 20.0	160.0	210	<b>2400.0</b>	<b>4.2</b>	54.0	<b>0.95</b>
	10/4/2019	<b>3100.0</b>	< 20.0	210.0	250	<b>6400.0</b>	<b>0.1</b>	2.4	<b>0.70</b>
	6/17/2020	<b>3700.0</b>	< 20.0	310.0	260	<b>5400.0</b>	--	--	--
	10/8/2020	<b>4100.0</b>	< 20.0	340.0	280	<b>8000.0</b>	--	--	--
	6/3/2021	<b>3800.0</b>	< 5.0	330.0	230	<b>9000.0</b>	--	--	--
	10/14/2021	<b>3800.0</b>	< 10.0	400.0	270	<b>8700.0</b>	--	--	--
6/16/2022	<b>660.0</b>	< 10.0	82.0	38	<b>920.0</b>	--	--	--	
10/25/2022	<b>420.0</b>	< 10.0	40.0	<10	<b>360.0</b>	--	--	--	
5-35B	4/21/2016	<b>2100.0</b>	< 100.0	90.0	780	7.3	<b>8.5</b>	36.0	--
	3/28/2017	<b>1800.0</b>	< 50.0	< 50.0	490	3.4	<b>2.1</b>	--	--
	6/20/2017	<b>1300.0</b>	< 20.0	28.0	250	5.2	<b>3.2</b>	22.0	--
	9/22/2017	<b>1300.0</b>	8.7	25.0	250	2.9	<b>8.2</b>	28.0	--
	4/19/2018	<b>1800.0</b>	< 20.0	36.0	300	27.0	<b>1.2</b>	--	<b>0.70</b>
	4/16/2019	<b>2400.0</b>	< 10.0	54.0	410	< 2.5	<b>7.0</b>	7.7	<b>0.63</b>
	10/3/2019	<b>2500.0</b>	< 10.0	59.0	470	< 2.5	<b>4.4</b>	11.0	<b>0.53</b>
	6/16/2020	<b>2800.0</b>	< 50.0	66.0	470	< 5.0	--	--	--
	10/7/2020	<b>3200.0</b>	< 20.0	120.0	570	4.4	--	--	--
	6/3/2021	<b>2500.0</b>	< 5.0	68.0	300	6.8	--	--	--
	10/14/2021	<b>1900.0</b>	<10.0	48.0	300	3.3	--	--	--
10/14/21	<b>1900.0</b>	<10.0	48.0	300	3.3	--	--	--	
06/16/22	<b>1200.0</b>	<10.0	25.0	110	67.0	--	--	--	
10/25/22	<b>830.0</b>	<10.0	19.0	21	70.0	--	--	--	
AS-4	4/20/2018	<5.0	<5.0	<5.0	< 7.5	<b>23000.0</b>	<b>0.3</b>	--	<b>3.00</b>
	4/16/2019	<b>8.4</b>	1.6	<1.0	5	<b>34000.0</b>	<b>2.2</b>	92.0	<b>2.10</b>
	10/3/2019	<b>23.0</b>	5.4	1.2	9	<b>12000.0</b>	<b>0.5</b>	18.0	<b>0.25</b>
	6/16/2020	<b>20.0</b>	7.3	< 2.0	11	<b>530.0</b>	--	--	--
	10/7/2020	<b>21.0</b>	8.2	1.5	16	<b>6900.0</b>	--	--	--
	6/3/2021	<b>5.3</b>	1.7	< 1.0	5	<b>5200.0</b>	--	--	--
	10/14/2021	<b>3.1</b>	1.1	<1.0	2	<b>1200.0</b>	--	--	--
	06/19/22	1.5	<1.0	<1.0	< 1	<b>420.0</b>	--	--	--
10/25/22	4.1	2.1	<1.0	4	<b>910.0</b>	--	--	--	
AS-10	4/20/2018	<b>120.0</b>	53.0	<5.0	35	<b>34000.0</b>	0.2	--	< 0.01
	4/17/2019	<b>380.0</b>	320.0	33.0	290	<b>18000.0</b>	< 0.02	5.9	< 0.002
	10/4/2019	<b>200.0</b>	170.0	13.0	52	<b>11000.0</b>	<b>0.9</b>	33.0	0.03
	6/16/2020	<b>330.0</b>	320.0	3.0	220	<b>8700.0</b>	--	--	--
	10/7/2020	<b>400.0</b>	380.0	39.0	300	<b>4900.0</b>	--	--	--
	6/3/2021	<b>400.0</b>	400.0	38.0	290	<b>3300.0</b>	--	--	--
	10/14/2021	<b>210.0</b>	200.0	17.0	130	<b>1900.0</b>	--	--	--
	06/16/22	<b>240.0</b>	300.0	21.0	140	<b>1700.0</b>	--	--	--
10/25/22	<b>230.0</b>	280.0	21.0	140	<b>1700.0</b>	--	--	--	
AS-15	4/20/2018	<10.0	< 10.0	< 10.0	< 15	<b>20000.0</b>	<b>1.0</b>	--	<b>40.00</b>
	4/17/2019	<b>39.0</b>	< 5.0	< 5.0	< 1	<b>29000.0</b>	<b>16.0</b>	65.0	<b>8.10</b>
	10/4/2019	<b>5.7</b>	< 1.0	< 1.0	< 1	<b>3500.0</b>	<0.02	1.3	0.0022
	6/17/2020	<b>120.0</b>	12.0	1.6	16	<b>16000.0</b>	--	--	--
	10/8/2020	<b>650.0</b>	93.0	23.0	230	<b>7000.0</b>	--	--	--
	6/3/2021	<b>900.0</b>	53.0	27.0	250	<b>5500.0</b>	--	--	--
	10/14/2021	<b>630.0</b>	26.0	9.2	93	<b>5200.0</b>	--	--	--
	6/16/2022	<b>500.0</b>	19.0	5.2	40	<b>3300.0</b>	--	--	--
10/25/2022	<b>490.0</b>	20.0	5.5	39	<b>1900.0</b>	--	--	--	

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

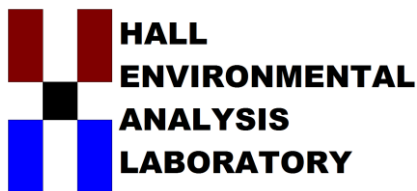
**BOLD** = Concentrations that exceed the groundwater quality standard



# Appendices

# Appendix A

## Laboratory Analytical Reports



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

July 14, 2022

Angela Bown

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX:

RE: Thoreau

OrderNo.: 2206922

Dear Angela Bown:

Hall Environmental Analysis Laboratory received 13 sample(s) on 6/16/2022 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](http://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 white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-5-6

**Project:** Thoreau

**Collection Date:** 6/16/2022 9:15:00 AM

**Lab ID:** 2206922-001

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	59	5.0		mg/L	10	6/21/2022 5:06:55 PM	R88930
<b>EPA METHOD 8082A: PCB'S</b>							Analyst: <b>TOM</b>
Aroclor 1016	1.9	0.25		µg/L	1	7/6/2022 12:29:22 PM	68228
Aroclor 1221	ND	0.25		µg/L	1	7/6/2022 12:29:22 PM	68228
Aroclor 1232	ND	0.25		µg/L	1	7/6/2022 12:29:22 PM	68228
Aroclor 1242	ND	0.25		µg/L	1	7/6/2022 12:29:22 PM	68228
Aroclor 1248	ND	0.25		µg/L	1	7/6/2022 12:29:22 PM	68228
Aroclor 1254	ND	0.25		µg/L	1	7/6/2022 12:29:22 PM	68228
Aroclor 1260	ND	0.25		µg/L	1	7/6/2022 12:29:22 PM	68228
Surr: Decachlorobiphenyl	78.8	37.8-122		%Rec	1	7/6/2022 12:29:22 PM	68228
Surr: Tetrachloro-m-xylene	76.8	15-102		%Rec	1	7/6/2022 12:29:22 PM	68228
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	ND	1.0		µg/L	1	6/22/2022 1:01:00 AM	SL88901
Toluene	ND	1.0		µg/L	1	6/22/2022 1:01:00 AM	SL88901
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 1:01:00 AM	SL88901
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 1:01:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	85.2	70-130		%Rec	1	6/22/2022 1:01:00 AM	SL88901
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	6/22/2022 1:01:00 AM	SL88901
Surr: Dibromofluoromethane	98.3	70-130		%Rec	1	6/22/2022 1:01:00 AM	SL88901
Surr: Toluene-d8	93.2	70-130		%Rec	1	6/22/2022 1:01:00 AM	SL88901

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Estimated value
	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 interference	

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-5-16

**Project:** Thoreau

**Collection Date:** 6/16/2022 12:40:00 PM

**Lab ID:** 2206922-002

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	99	5.0		mg/L	10	6/21/2022 5:31:44 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	11	1.0		µg/L	1	6/22/2022 1:24:00 AM	SL88901
Toluene	ND	1.0		µg/L	1	6/22/2022 1:24:00 AM	SL88901
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 1:24:00 AM	SL88901
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 1:24:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	80.6	70-130		%Rec	1	6/22/2022 1:24:00 AM	SL88901
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	6/22/2022 1:24:00 AM	SL88901
Surr: Dibromofluoromethane	93.9	70-130		%Rec	1	6/22/2022 1:24:00 AM	SL88901
Surr: Toluene-d8	96.0	70-130		%Rec	1	6/22/2022 1:24:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-5-18

**Project:** Thoreau

**Collection Date:** 6/16/2022 1:00:00 PM

**Lab ID:** 2206922-003

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	84	5.0		mg/L	10	6/21/2022 5:56:32 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	ND	1.0		µg/L	1	6/22/2022 1:47:00 AM	SL88901
Toluene	ND	1.0		µg/L	1	6/22/2022 1:47:00 AM	SL88901
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 1:47:00 AM	SL88901
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 1:47:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	78.1	70-130		%Rec	1	6/22/2022 1:47:00 AM	SL88901
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	6/22/2022 1:47:00 AM	SL88901
Surr: Dibromofluoromethane	94.4	70-130		%Rec	1	6/22/2022 1:47:00 AM	SL88901
Surr: Toluene-d8	96.3	70-130		%Rec	1	6/22/2022 1:47:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		



**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-5-20

**Project:** Thoreau

**Collection Date:** 6/16/2022 1:30:00 PM

**Lab ID:** 2206922-004

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	87	5.0		mg/L	10	6/21/2022 6:21:22 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	ND	1.0		µg/L	1	6/22/2022 2:10:00 AM	SL88901
Toluene	ND	1.0		µg/L	1	6/22/2022 2:10:00 AM	SL88901
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 2:10:00 AM	SL88901
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 2:10:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	79.1	70-130		%Rec	1	6/22/2022 2:10:00 AM	SL88901
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	6/22/2022 2:10:00 AM	SL88901
Surr: Dibromofluoromethane	96.2	70-130		%Rec	1	6/22/2022 2:10:00 AM	SL88901
Surr: Toluene-d8	96.3	70-130		%Rec	1	6/22/2022 2:10:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-5-35

**Project:** Thoreau

**Collection Date:** 6/16/2022 11:00:00 AM

**Lab ID:** 2206922-005

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	67	5.0		mg/L	10	6/21/2022 7:11:00 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	1200	100		µg/L	100	6/22/2022 2:34:00 AM	SL88901
Toluene	ND	10		µg/L	10	6/22/2022 2:57:00 AM	SL88901
Ethylbenzene	25	10		µg/L	10	6/22/2022 2:57:00 AM	SL88901
Xylenes, Total	110	15		µg/L	10	6/22/2022 2:57:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	75.3	70-130		%Rec	10	6/22/2022 2:57:00 AM	SL88901
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	10	6/22/2022 2:57:00 AM	SL88901
Surr: Dibromofluoromethane	90.3	70-130		%Rec	10	6/22/2022 2:57:00 AM	SL88901
Surr: Toluene-d8	96.5	70-130		%Rec	10	6/22/2022 2:57:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-5-59

**Project:** Thoreau

**Collection Date:** 6/16/2022 10:00:00 AM

**Lab ID:** 2206922-006

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	62	5.0		mg/L	10	6/21/2022 8:00:38 PM	R88930
<b>EPA METHOD 8082A: PCB'S</b>							Analyst: <b>TOM</b>
Aroclor 1016	3.8	0.25		µg/L	1	7/6/2022 1:05:23 PM	68228
Aroclor 1221	ND	0.25		µg/L	1	7/6/2022 1:05:23 PM	68228
Aroclor 1232	ND	0.25		µg/L	1	7/6/2022 1:05:23 PM	68228
Aroclor 1242	ND	0.25		µg/L	1	7/6/2022 1:05:23 PM	68228
Aroclor 1248	ND	0.25		µg/L	1	7/6/2022 1:05:23 PM	68228
Aroclor 1254	ND	0.25		µg/L	1	7/6/2022 1:05:23 PM	68228
Aroclor 1260	ND	0.25		µg/L	1	7/6/2022 1:05:23 PM	68228
Surr: Decachlorobiphenyl	78.0	37.8-122		%Rec	1	7/6/2022 1:05:23 PM	68228
Surr: Tetrachloro-m-xylene	76.0	15-102		%Rec	1	7/6/2022 1:05:23 PM	68228
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	ND	1.0		µg/L	1	6/22/2022 3:43:00 AM	SL88901
Toluene	ND	1.0		µg/L	1	6/22/2022 3:43:00 AM	SL88901
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 3:43:00 AM	SL88901
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 3:43:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	78.4	70-130		%Rec	1	6/22/2022 3:43:00 AM	SL88901
Surr: 4-Bromofluorobenzene	87.8	70-130		%Rec	1	6/22/2022 3:43:00 AM	SL88901
Surr: Dibromofluoromethane	95.4	70-130		%Rec	1	6/22/2022 3:43:00 AM	SL88901
Surr: Toluene-d8	94.4	70-130		%Rec	1	6/22/2022 3:43:00 AM	SL88901

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Estimated value
	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 interference	

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-SVE

**Project:** Thoreau

**Collection Date:** 6/16/2022 12:20:00 PM

**Lab ID:** 2206922-007

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	920	50	*	mg/L	100	6/21/2022 8:37:51 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	660	10		µg/L	10	6/22/2022 4:29:00 AM	SL88901
Toluene	ND	10		µg/L	10	6/22/2022 4:29:00 AM	SL88901
Ethylbenzene	82	10		µg/L	10	6/22/2022 4:29:00 AM	SL88901
Xylenes, Total	38	15		µg/L	10	6/22/2022 4:29:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	76.7	70-130		%Rec	10	6/22/2022 4:29:00 AM	SL88901
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	10	6/22/2022 4:29:00 AM	SL88901
Surr: Dibromofluoromethane	91.8	70-130		%Rec	10	6/22/2022 4:29:00 AM	SL88901
Surr: Toluene-d8	98.7	70-130		%Rec	10	6/22/2022 4:29:00 AM	SL88901

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Estimated value
	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 interference	

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-AS-

**Project:** Thoreau

**Collection Date:** 6/16/2022 11:20:00 AM

**Lab ID:** 2206922-008

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	420	5.0	*	mg/L	10	6/21/2022 8:50:15 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	1.5	1.0		µg/L	1	6/22/2022 5:15:00 AM	SL88901
Toluene	ND	1.0		µg/L	1	6/22/2022 5:15:00 AM	SL88901
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 5:15:00 AM	SL88901
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 5:15:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	75.8	70-130		%Rec	1	6/22/2022 5:15:00 AM	SL88901
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	6/22/2022 5:15:00 AM	SL88901
Surr: Dibromofluoromethane	92.7	70-130		%Rec	1	6/22/2022 5:15:00 AM	SL88901
Surr: Toluene-d8	96.5	70-130		%Rec	1	6/22/2022 5:15:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-AS-

**Project:** Thoreau

**Collection Date:** 6/16/2022 11:40:00 AM

**Lab ID:** 2206922-009

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	1700	50	*	mg/L	100	6/21/2022 9:52:17 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	240	10		µg/L	10	6/22/2022 5:38:00 AM	SL88901
Toluene	300	10		µg/L	10	6/22/2022 5:38:00 AM	SL88901
Ethylbenzene	21	10		µg/L	10	6/22/2022 5:38:00 AM	SL88901
Xylenes, Total	140	15		µg/L	10	6/22/2022 5:38:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	73.6	70-130		%Rec	10	6/22/2022 5:38:00 AM	SL88901
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	10	6/22/2022 5:38:00 AM	SL88901
Surr: Dibromofluoromethane	88.0	70-130		%Rec	10	6/22/2022 5:38:00 AM	SL88901
Surr: Toluene-d8	96.9	70-130		%Rec	10	6/22/2022 5:38:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		



**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-AS-

**Project:** Thoreau

**Collection Date:** 6/16/2022 12:00:00 PM

**Lab ID:** 2206922-010

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	3300	50	*	mg/L	100	6/21/2022 10:17:05 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	500	20		µg/L	20	6/22/2022 6:01:00 AM	SL88901
Toluene	19	2.0		µg/L	2	6/22/2022 6:24:00 AM	SL88901
Ethylbenzene	5.2	2.0		µg/L	2	6/22/2022 6:24:00 AM	SL88901
Xylenes, Total	40	3.0		µg/L	2	6/22/2022 6:24:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	74.6	70-130		%Rec	2	6/22/2022 6:24:00 AM	SL88901
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	2	6/22/2022 6:24:00 AM	SL88901
Surr: Dibromofluoromethane	88.3	70-130		%Rec	2	6/22/2022 6:24:00 AM	SL88901
Surr: Toluene-d8	98.0	70-130		%Rec	2	6/22/2022 6:24:00 AM	SL88901

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Estimated value
	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 interference	

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-TA

**Project:** Thoreau

**Collection Date:** 6/16/2022 2:00:00 PM

**Lab ID:** 2206922-011

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Sulfate	8300	100	*	mg/L	200	6/28/2022 10:54:35 AM	R89101
<b>EPA METHOD 8082A: PCB'S</b>							Analyst: <b>TOM</b>
Aroclor 1016	0.96	0.25		µg/L	1	7/6/2022 1:41:23 PM	68228
Aroclor 1221	ND	0.25		µg/L	1	7/6/2022 1:41:23 PM	68228
Aroclor 1232	ND	0.25		µg/L	1	7/6/2022 1:41:23 PM	68228
Aroclor 1242	ND	0.25		µg/L	1	7/6/2022 1:41:23 PM	68228
Aroclor 1248	ND	0.25		µg/L	1	7/6/2022 1:41:23 PM	68228
Aroclor 1254	ND	0.25		µg/L	1	7/6/2022 1:41:23 PM	68228
Aroclor 1260	ND	0.25		µg/L	1	7/6/2022 1:41:23 PM	68228
Surr: Decachlorobiphenyl	80.8	37.8-122		%Rec	1	7/6/2022 1:41:23 PM	68228
Surr: Tetrachloro-m-xylene	78.0	15-102		%Rec	1	7/6/2022 1:41:23 PM	68228

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Estimated value
	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 interference	

**Analytical Report**

Lab Order **2206922**

Date Reported: **7/14/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** GW-12574705-061622-CN-DUP

**Project:** Thoreau

**Collection Date:** 6/16/2022

**Lab ID:** 2206922-012

**Matrix:** AQUEOUS

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Sulfate	85	5.0		mg/L	10	6/21/2022 10:54:18 PM	R88930
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>BRM</b>
Benzene	ND	1.0		µg/L	1	6/22/2022 2:18:39 PM	B88962
Toluene	ND	1.0		µg/L	1	6/22/2022 2:18:39 PM	B88962
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 2:18:39 PM	B88962
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 2:18:39 PM	B88962
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	6/22/2022 2:18:39 PM	B88962
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	6/22/2022 2:18:39 PM	B88962
Surr: Dibromofluoromethane	111	70-130		%Rec	1	6/22/2022 2:18:39 PM	B88962
Surr: Toluene-d8	99.5	70-130		%Rec	1	6/22/2022 2:18:39 PM	B88962

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

**Analytical Report**

Lab Order **2206922**

Date Reported: 7/14/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** TRIP BLANK

**Project:** Thoreau

**Collection Date:**

**Lab ID:** 2206922-013

**Matrix:** TRIP BLANK

**Received Date:** 6/16/2022 2:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>CCM</b>
Benzene	ND	1.0		µg/L	1	6/22/2022 7:33:00 AM	SL88901
Toluene	ND	1.0		µg/L	1	6/22/2022 7:33:00 AM	SL88901
Ethylbenzene	ND	1.0		µg/L	1	6/22/2022 7:33:00 AM	SL88901
Xylenes, Total	ND	1.5		µg/L	1	6/22/2022 7:33:00 AM	SL88901
Surr: 1,2-Dichloroethane-d4	78.1	70-130		%Rec	1	6/22/2022 7:33:00 AM	SL88901
Surr: 4-Bromofluorobenzene	88.3	70-130		%Rec	1	6/22/2022 7:33:00 AM	SL88901
Surr: Dibromofluoromethane	93.1	70-130		%Rec	1	6/22/2022 7:33:00 AM	SL88901
Surr: Toluene-d8	94.9	70-130		%Rec	1	6/22/2022 7:33:00 AM	SL88901

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206922

14-Jul-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>MB</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R88930</b>	RunNo: <b>88930</b>								
Prep Date:	Analysis Date: <b>6/21/2022</b>	SeqNo: <b>3158043</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID: <b>LCS</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R88930</b>	RunNo: <b>88930</b>								
Prep Date:	Analysis Date: <b>6/21/2022</b>	SeqNo: <b>3158044</b>			Units: <b>mg/L</b>					
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: <b>2206922-005BMS</b>	SampType: <b>ms</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>GW-12574705-06162</b>	Batch ID: <b>R88930</b>	RunNo: <b>88930</b>								
Prep Date:	Analysis Date: <b>6/21/2022</b>	SeqNo: <b>3158066</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	170	5.0	100.0	67.48	106	90.5	112			

Sample ID: <b>2206922-005BMSD</b>	SampType: <b>msd</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>GW-12574705-06162</b>	Batch ID: <b>R88930</b>	RunNo: <b>88930</b>								
Prep Date:	Analysis Date: <b>6/21/2022</b>	SeqNo: <b>3158067</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	170	5.0	100.0	67.48	104	90.5	112	0.742	20	

Sample ID: <b>MB</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R89101</b>	RunNo: <b>89101</b>								
Prep Date:	Analysis Date: <b>6/28/2022</b>	SeqNo: <b>3166030</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID: <b>LCS</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R89101</b>	RunNo: <b>89101</b>								
Prep Date:	Analysis Date: <b>6/28/2022</b>	SeqNo: <b>3166031</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	10	0.50	10.00	0	104	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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206922

14-Jul-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>MB-68228</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>PBW</b>	Batch ID: <b>68228</b>	RunNo: <b>89237</b>								
Prep Date: <b>6/20/2022</b>	Analysis Date: <b>7/6/2022</b>	SeqNo: <b>3173541</b>	Units: <b>µg/L</b>							
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	2.0		2.500		79.6	37.8	122			
Surr: Tetrachloro-m-xylene	1.8		2.500		70.4	15	102			

Sample ID: <b>LCS-68228</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>68228</b>	RunNo: <b>89237</b>								
Prep Date: <b>6/20/2022</b>	Analysis Date: <b>7/6/2022</b>	SeqNo: <b>3173542</b>	Units: <b>µg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.6	0.25	5.000	0	71.8	35.6	103			
Aroclor 1260	4.2	0.25	5.000	0	83.8	69.5	120			
Surr: Decachlorobiphenyl	1.7		2.500		69.2	37.8	122			
Surr: Tetrachloro-m-xylene	1.5		2.500		60.8	15	102			

Sample ID: <b>LCSD-68228</b>	SampType: <b>LCSD</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>LCSS02</b>	Batch ID: <b>68228</b>	RunNo: <b>89237</b>								
Prep Date: <b>6/20/2022</b>	Analysis Date: <b>7/6/2022</b>	SeqNo: <b>3173543</b>	Units: <b>µg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.9	0.25	5.000	0	77.4	35.6	103	7.51	28.1	
Aroclor 1260	4.4	0.25	5.000	0	87.8	69.5	120	4.66	20	
Surr: Decachlorobiphenyl	1.9		2.500		74.4	37.8	122	0	0	
Surr: Tetrachloro-m-xylene	1.6		2.500		64.4	15	102	0	0	

Sample ID: <b>MB-68228</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>PBW</b>	Batch ID: <b>68228</b>	RunNo: <b>89237</b>								
Prep Date: <b>6/20/2022</b>	Analysis Date: <b>7/6/2022</b>	SeqNo: <b>3173562</b>	Units: <b>µg/L</b>							
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								

**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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206922

14-Jul-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>MB-68228</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>PBW</b>	Batch ID: <b>68228</b>	RunNo: <b>89237</b>								
Prep Date: <b>6/20/2022</b>	Analysis Date: <b>7/6/2022</b>	SeqNo: <b>3173562</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.25								
Aroclor 1260	ND	0.25								
Surr: Decachlorobiphenyl	2.1		2.500		82.8	37.8	122			
Surr: Tetrachloro-m-xylene	1.7		2.500		66.4	15	102			

**Qualifiers:**

- |                                                                      |                                                   |
|----------------------------------------------------------------------|---------------------------------------------------|
| * Value exceeds Maximum Contaminant Level.                           | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix                                       | E Estimated value                                 |
| 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 interference |                                                   |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206922

14-Jul-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>mb 2</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>PBW</b>	Batch ID: <b>SL88901</b>	RunNo: <b>88901</b>								
Prep Date:	Analysis Date: <b>6/21/2022</b>	SeqNo: <b>3157939</b>			Units: <b>µg/L</b>					
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	7.7		10.00		77.0	70	130			
Surr: 4-Bromofluorobenzene	8.9		10.00		89.1	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.6	70	130			
Surr: Toluene-d8	9.6		10.00		95.7	70	130			

Sample ID: <b>100ng lcs 2</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>SL88901</b>	RunNo: <b>88901</b>								
Prep Date:	Analysis Date: <b>6/21/2022</b>	SeqNo: <b>3157940</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	106	70	130			
Toluene	22	1.0	20.00	0	110	70	130			
Surr: 1,2-Dichloroethane-d4	8.5		10.00		85.2	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.0	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.7	70	130			
Surr: Toluene-d8	9.7		10.00		97.4	70	130			

Sample ID: <b>2206922-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>GW-12574705-06162</b>	Batch ID: <b>SL88901</b>	RunNo: <b>88901</b>								
Prep Date:	Analysis Date: <b>6/22/2022</b>	SeqNo: <b>3157957</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	93.2	70	130			
Toluene	21	1.0	20.00	0	106	70	130			
Surr: 1,2-Dichloroethane-d4	7.7		10.00		76.8	70	130			
Surr: 4-Bromofluorobenzene	9.1		10.00		91.0	70	130			
Surr: Dibromofluoromethane	9.5		10.00		94.8	70	130			
Surr: Toluene-d8	9.5		10.00		95.0	70	130			

Sample ID: <b>2206922-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>GW-12574705-06162</b>	Batch ID: <b>SL88901</b>	RunNo: <b>88901</b>								
Prep Date:	Analysis Date: <b>6/22/2022</b>	SeqNo: <b>3157958</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	90.4	70	130	2.98	20	
Toluene	20	1.0	20.00	0	102	70	130	3.29	20	

**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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206922

14-Jul-22

**Client:** GHD  
**Project:** Thoreau

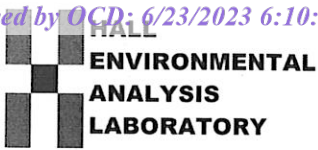
Sample ID: <b>2206922-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>GW-12574705-06162</b>	Batch ID: <b>SL88901</b>	RunNo: <b>88901</b>								
Prep Date:	Analysis Date: <b>6/22/2022</b>	SeqNo: <b>3157958</b> Units: <b>µg/L</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	7.6		10.00		76.2	70	130	0	0	
Surr: 4-Bromofluorobenzene	9.0		10.00		89.8	70	130	0	0	
Surr: Dibromofluoromethane	9.2		10.00		92.0	70	130	0	0	
Surr: Toluene-d8	9.7		10.00		96.6	70	130	0	0	

Sample ID: <b>100ng lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>B88962</b>	RunNo: <b>88962</b>								
Prep Date:	Analysis Date: <b>6/22/2022</b>	SeqNo: <b>3159176</b> Units: <b>µg/L</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	99.1	70	130			
Toluene	19	1.0	20.00	0	96.7	70	130			
Surr: 1,2-Dichloroethane-d4	9.1		10.00		90.6	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.2	70	130			
Surr: Toluene-d8	9.6		10.00		96.1	70	130			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>PBW</b>	Batch ID: <b>B88962</b>	RunNo: <b>88962</b>								
Prep Date:	Analysis Date: <b>6/22/2022</b>	SeqNo: <b>3159178</b> Units: <b>µg/L</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.8		10.00		97.6	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		96.0	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.9	70	130			
Surr: Toluene-d8	10		10.00		101	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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- 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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD

Work Order Number: 2206922

RcptNo: 1

Received By: Juan Rojas 6/16/2022 2:35:00 PM

[Signature]

Completed By: Cheyenne Cason 6/16/2022 2:51:19 PM

[Signature]

Reviewed By: JMC 6/17/22

sub date: jn 6/16/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Client

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [checked] No [ ] NA [ ]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: Adjusted? jn 6/17/22
Checked by: jn 6/17/22
labeled vials: HQA 6.16.22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 15.3, Good, Not Present, , ,



# Chain-of-Custody Record

Client: EHD

Mailing Address: en file

Phone #: \_\_\_\_\_

email or Fax# christine.mathews@ghd.com

QA/QC Package:

Standard  Level 4 (Full Validation)

Accreditation:  AZ Compliance

NELAC  Other

EDD (Type) \_\_\_\_\_

Project Manager:

Christine Mathews

Sampler: en

On Ice:  Yes  No

# of Coolers: \_\_\_\_\_

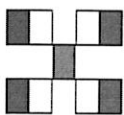
Cooler Temp (including CF): 15.30 ± 15.3 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
6-16-21	0915	W	en-12574705-061622-en-5-6C	WV-005	Ucl	2206922
	1240		en-12574705-061622-en-5-16B			001
	1300		en-12574705-061622-en-5-17B			002
	1330		en-12574705-061622-en-5-20B			003
	1400		en-12574705-061622-en-5-35B			004
	1500		en-12574705-061622-en-5-59			005
	1220		en-12574705-061622-en-5-16E-3			006
	1120		en-12574705-061622-en-5-59			007
	1140		en-12574705-061622-en-5-10			008
	1100		en-12574705-061622-en-5-15			009
	1400		en-12574705-061622-en-5-16E-1			010
			en-12574705-061622-en-5-16E-2			011
			en-12574705-061622-en-5-16E-3			012

Date: 6-16-22 Time: 1500  
 Relinquished by: [Signature]  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_

Received by: [Signature] Date: 6/16/22 Time: 14:35  
 Via: 000  
 Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Via: \_\_\_\_\_

Remarks: TRIP BLANK per same plate bottle in 6/15/22



# HALL ENVIRONMENTAL ANALYSIS LABORATORY

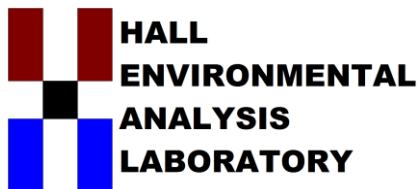
www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

BTEX / MTBE / TMBs (8021)	
TPH:8015D(GRO / DRO / MRO)	
8081 Pesticides/8082 PCBs	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	
BTEX	
8TEX	
Soluble	
PCBs	X



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

November 22, 2022

Christine Mathews

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX:

RE: Thoreau

OrderNo.: 2210D32

Dear Christine Mathews:

Hall Environmental Analysis Laboratory received 13 sample(s) on 10/26/2022 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](http://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 in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** 5-6C

**Project:** Thoreau

**Collection Date:** 10/26/2022 8:30:00 AM

**Lab ID:** 2210D32-001

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	51	5.0		mg/L	10	10/31/2022 9:00:47 AM	R92222
<b>EPA METHOD 8082A: PCB'S</b>							Analyst: <b>TOM</b>
Aroclor 1016	1.8	0.50		µg/L	1	11/7/2022 1:22:33 PM	71178
Aroclor 1221	ND	0.50		µg/L	1	11/7/2022 1:22:33 PM	71178
Aroclor 1232	ND	0.50		µg/L	1	11/7/2022 1:22:33 PM	71178
Aroclor 1242	ND	0.50		µg/L	1	11/7/2022 1:22:33 PM	71178
Aroclor 1248	ND	0.50		µg/L	1	11/7/2022 1:22:33 PM	71178
Aroclor 1254	ND	0.50		µg/L	1	11/7/2022 1:22:33 PM	71178
Aroclor 1260	ND	0.50		µg/L	1	11/7/2022 1:22:33 PM	71178
Surr: Decachlorobiphenyl	113	37.8-122		%Rec	1	11/7/2022 1:22:33 PM	71178
Surr: Tetrachloro-m-xylene	103	15-102	S	%Rec	1	11/7/2022 1:22:33 PM	71178
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	ND	1.0		µg/L	1	11/5/2022 4:24:31 AM	R92357
Toluene	ND	1.0		µg/L	1	11/5/2022 4:24:31 AM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 4:24:31 AM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/5/2022 4:24:31 AM	R92357
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	11/5/2022 4:24:31 AM	R92357
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/5/2022 4:24:31 AM	R92357
Surr: Dibromofluoromethane	101	70-130		%Rec	1	11/5/2022 4:24:31 AM	R92357
Surr: Toluene-d8	97.8	70-130		%Rec	1	11/5/2022 4:24:31 AM	R92357

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		



**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** 5-59

**Project:** Thoreau

**Collection Date:** 10/26/2022 9:00:00 AM

**Lab ID:** 2210D32-002

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	61	5.0		mg/L	10	10/31/2022 10:15:17 AM	R92222
<b>EPA METHOD 8082A: PCB'S</b>							Analyst: <b>TOM</b>
Aroclor 1016	5.2	0.50		µg/L	1	11/7/2022 1:59:43 PM	71178
Aroclor 1221	ND	0.50		µg/L	1	11/7/2022 1:59:43 PM	71178
Aroclor 1232	ND	0.50		µg/L	1	11/7/2022 1:59:43 PM	71178
Aroclor 1242	ND	0.50		µg/L	1	11/7/2022 1:59:43 PM	71178
Aroclor 1248	ND	0.50		µg/L	1	11/7/2022 1:59:43 PM	71178
Aroclor 1254	ND	0.50		µg/L	1	11/7/2022 1:59:43 PM	71178
Aroclor 1260	ND	0.50		µg/L	1	11/7/2022 1:59:43 PM	71178
Surr: Decachlorobiphenyl	118	37.8-122		%Rec	1	11/7/2022 1:59:43 PM	71178
Surr: Tetrachloro-m-xylene	108	15-102	S	%Rec	1	11/7/2022 1:59:43 PM	71178
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	ND	1.0		µg/L	1	11/5/2022 5:49:41 AM	R92357
Toluene	ND	1.0		µg/L	1	11/5/2022 5:49:41 AM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 5:49:41 AM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/5/2022 5:49:41 AM	R92357
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	11/5/2022 5:49:41 AM	R92357
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/5/2022 5:49:41 AM	R92357
Surr: Dibromofluoromethane	101	70-130		%Rec	1	11/5/2022 5:49:41 AM	R92357
Surr: Toluene-d8	99.3	70-130		%Rec	1	11/5/2022 5:49:41 AM	R92357

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** 5-35B

**Project:** Thoreau

**Collection Date:** 10/26/2022 10:00:00 AM

**Lab ID:** 2210D32-003

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	70	5.0		mg/L	10	10/31/2022 10:40:07 AM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	830	10		µg/L	10	11/5/2022 6:46:25 AM	R92357
Toluene	ND	10		µg/L	10	11/5/2022 6:46:25 AM	R92357
Ethylbenzene	19	10		µg/L	10	11/5/2022 6:46:25 AM	R92357
Xylenes, Total	21	15		µg/L	10	11/5/2022 6:46:25 AM	R92357
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	10	11/5/2022 6:46:25 AM	R92357
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	10	11/5/2022 6:46:25 AM	R92357
Surr: Dibromofluoromethane	92.8	70-130		%Rec	10	11/5/2022 6:46:25 AM	R92357
Surr: Toluene-d8	99.3	70-130		%Rec	10	11/5/2022 6:46:25 AM	R92357

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** AS-4

**Project:** Thoreau

**Collection Date:** 10/26/2022 10:30:00 AM

**Lab ID:** 2210D32-004

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	910	50	*	mg/L	100	10/31/2022 11:17:22 AM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	4.1	1.0		µg/L	1	11/5/2022 7:14:45 AM	R92357
Toluene	2.1	1.0		µg/L	1	11/5/2022 7:14:45 AM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 7:14:45 AM	R92357
Xylenes, Total	4.1	1.5		µg/L	1	11/5/2022 7:14:45 AM	R92357
Surr: 1,2-Dichloroethane-d4	99.4	70-130		%Rec	1	11/5/2022 7:14:45 AM	R92357
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	11/5/2022 7:14:45 AM	R92357
Surr: Dibromofluoromethane	95.3	70-130		%Rec	1	11/5/2022 7:14:45 AM	R92357
Surr: Toluene-d8	101	70-130		%Rec	1	11/5/2022 7:14:45 AM	R92357

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** AS-10

**Project:** Thoreau

**Collection Date:** 10/26/2022 11:00:00 AM

**Lab ID:** 2210D32-005

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	1700	50	*	mg/L	100	10/31/2022 11:42:12 AM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	230	10		µg/L	10	11/5/2022 7:43:05 AM	R92357
Toluene	280	10		µg/L	10	11/5/2022 7:43:05 AM	R92357
Ethylbenzene	21	10		µg/L	10	11/5/2022 7:43:05 AM	R92357
Xylenes, Total	140	15		µg/L	10	11/5/2022 7:43:05 AM	R92357
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	10	11/5/2022 7:43:05 AM	R92357
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	10	11/5/2022 7:43:05 AM	R92357
Surr: Dibromofluoromethane	92.3	70-130		%Rec	10	11/5/2022 7:43:05 AM	R92357
Surr: Toluene-d8	101	70-130		%Rec	10	11/5/2022 7:43:05 AM	R92357

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** AS-15

**Project:** Thoreau

**Collection Date:** 10/26/2022 11:30:00 AM

**Lab ID:** 2210D32-006

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	1900	50	*	mg/L	100	10/31/2022 12:07:02 PM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	490	20		µg/L	20	11/5/2022 8:11:27 AM	R92357
Toluene	20	2.0		µg/L	2	11/5/2022 8:39:51 AM	R92357
Ethylbenzene	5.5	2.0		µg/L	2	11/5/2022 8:39:51 AM	R92357
Xylenes, Total	39	3.0		µg/L	2	11/5/2022 8:39:51 AM	R92357
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	2	11/5/2022 8:39:51 AM	R92357
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	2	11/5/2022 8:39:51 AM	R92357
Surr: Dibromofluoromethane	94.5	70-130		%Rec	2	11/5/2022 8:39:51 AM	R92357
Surr: Toluene-d8	102	70-130		%Rec	2	11/5/2022 8:39:51 AM	R92357

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** SVE-3

**Project:** Thoreau

**Collection Date:** 10/26/2022 12:00:00 PM

**Lab ID:** 2210D32-007

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	360	5.0	*	mg/L	10	10/31/2022 12:44:16 PM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	420	10		µg/L	10	11/5/2022 9:08:15 AM	R92357
Toluene	ND	10		µg/L	10	11/5/2022 9:08:15 AM	R92357
Ethylbenzene	40	10		µg/L	10	11/5/2022 9:08:15 AM	R92357
Xylenes, Total	ND	15		µg/L	10	11/5/2022 9:08:15 AM	R92357
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	10	11/5/2022 9:08:15 AM	R92357
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	10	11/5/2022 9:08:15 AM	R92357
Surr: Dibromofluoromethane	99.6	70-130		%Rec	10	11/5/2022 9:08:15 AM	R92357
Surr: Toluene-d8	100	70-130		%Rec	10	11/5/2022 9:08:15 AM	R92357

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	



**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** 5-16B

**Project:** Thoreau

**Collection Date:** 10/26/2022 12:30:00 PM

**Lab ID:** 2210D32-008

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	93	5.0		mg/L	10	10/31/2022 1:09:06 PM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	19	1.0		µg/L	1	11/5/2022 9:36:39 AM	R92357
Toluene	ND	1.0		µg/L	1	11/5/2022 9:36:39 AM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 9:36:39 AM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/5/2022 9:36:39 AM	R92357
Surr: 1,2-Dichloroethane-d4	111	70-130		%Rec	1	11/5/2022 9:36:39 AM	R92357
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	11/5/2022 9:36:39 AM	R92357
Surr: Dibromofluoromethane	103	70-130		%Rec	1	11/5/2022 9:36:39 AM	R92357
Surr: Toluene-d8	99.5	70-130		%Rec	1	11/5/2022 9:36:39 AM	R92357

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** 5-18B

**Project:** Thoreau

**Collection Date:** 10/26/2022 1:00:00 PM

**Lab ID:** 2210D32-009

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	70	5.0		mg/L	10	10/31/2022 1:33:54 PM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	ND	1.0		µg/L	1	11/5/2022 10:05:04 AM	R92357
Toluene	ND	1.0		µg/L	1	11/5/2022 10:05:04 AM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 10:05:04 AM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/5/2022 10:05:04 AM	R92357
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	11/5/2022 10:05:04 AM	R92357
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/5/2022 10:05:04 AM	R92357
Surr: Dibromofluoromethane	102	70-130		%Rec	1	11/5/2022 10:05:04 AM	R92357
Surr: Toluene-d8	98.8	70-130		%Rec	1	11/5/2022 10:05:04 AM	R92357

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** 5-20B

**Project:** Thoreau

**Collection Date:** 10/26/2022 1:30:00 PM

**Lab ID:** 2210D32-010

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Sulfate	100	5.0		mg/L	10	10/31/2022 1:58:43 PM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	ND	1.0		µg/L	1	11/5/2022 10:33:32 AM	R92357
Toluene	ND	1.0		µg/L	1	11/5/2022 10:33:32 AM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 10:33:32 AM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/5/2022 10:33:32 AM	R92357
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	11/5/2022 10:33:32 AM	R92357
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/5/2022 10:33:32 AM	R92357
Surr: Dibromofluoromethane	104	70-130		%Rec	1	11/5/2022 10:33:32 AM	R92357
Surr: Toluene-d8	96.4	70-130		%Rec	1	11/5/2022 10:33:32 AM	R92357

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** Tank

**Project:** Thoreau

**Collection Date:** 10/26/2022 1:45:00 PM

**Lab ID:** 2210D32-011

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8082A: PCB'S</b>							Analyst: <b>TOM</b>
Aroclor 1016	ND	0.50		µg/L	1	11/7/2022 2:37:03 PM	71178
Aroclor 1221	ND	0.50		µg/L	1	11/7/2022 2:37:03 PM	71178
Aroclor 1232	ND	0.50		µg/L	1	11/7/2022 2:37:03 PM	71178
Aroclor 1242	ND	0.50		µg/L	1	11/7/2022 2:37:03 PM	71178
Aroclor 1248	ND	0.50		µg/L	1	11/7/2022 2:37:03 PM	71178
Aroclor 1254	ND	0.50		µg/L	1	11/7/2022 2:37:03 PM	71178
Aroclor 1260	ND	0.50		µg/L	1	11/7/2022 2:37:03 PM	71178
Surr: Decachlorobiphenyl	110	37.8-122		%Rec	1	11/7/2022 2:37:03 PM	71178
Surr: Tetrachloro-m-xylene	89.2	15-102		%Rec	1	11/7/2022 2:37:03 PM	71178

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** Dup

**Project:** Thoreau

**Collection Date:**

**Lab ID:** 2210D32-012

**Matrix:** AQUEOUS

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Sulfate	100	5.0		mg/L	10	10/31/2022 2:23:33 PM	R92222
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: RAA
Benzene	ND	1.0		µg/L	1	11/8/2022 12:48:12 PM	R92357
Toluene	ND	1.0		µg/L	1	11/8/2022 12:48:12 PM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/8/2022 12:48:12 PM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/8/2022 12:48:12 PM	R92357
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	11/8/2022 12:48:12 PM	R92357
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/8/2022 12:48:12 PM	R92357
Surr: Dibromofluoromethane	107	70-130		%Rec	1	11/8/2022 12:48:12 PM	R92357
Surr: Toluene-d8	95.6	70-130		%Rec	1	11/8/2022 12:48:12 PM	R92357

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order 2210D32

Date Reported: 11/22/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD

**Client Sample ID:** TRIP BLANK

**Project:** Thoreau

**Collection Date:**

**Lab ID:** 2210D32-013

**Matrix:** TRIP BLANK

**Received Date:** 10/26/2022 2:39:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>							Analyst: <b>JR</b>
Benzene	ND	1.0		µg/L	1	11/5/2022 11:30:49 AM	R92357
Toluene	ND	1.0		µg/L	1	11/5/2022 11:30:49 AM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 11:30:49 AM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/5/2022 11:30:49 AM	R92357
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	11/5/2022 11:30:49 AM	R92357
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	11/5/2022 11:30:49 AM	R92357
Surr: Dibromofluoromethane	102	70-130		%Rec	1	11/5/2022 11:30:49 AM	R92357
Surr: Toluene-d8	96.7	70-130		%Rec	1	11/5/2022 11:30:49 AM	R92357

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2210D32

22-Nov-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R92222</b>	RunNo: <b>92222</b>								
Prep Date:	Analysis Date: <b>10/31/2022</b>	SeqNo: <b>3312119</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R92222</b>	RunNo: <b>92222</b>								
Prep Date:	Analysis Date: <b>10/31/2022</b>	SeqNo: <b>3312120</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	10	0.50	10.00	0	99.8	90	110			

Sample ID: <b>2210D32-001CMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>5-6C</b>	Batch ID: <b>R92222</b>	RunNo: <b>92222</b>								
Prep Date:	Analysis Date: <b>10/31/2022</b>	SeqNo: <b>3312124</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	150	5.0	100.0	50.86	99.3	90	110			

Sample ID: <b>2210D32-001CMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>5-6C</b>	Batch ID: <b>R92222</b>	RunNo: <b>92222</b>								
Prep Date:	Analysis Date: <b>10/31/2022</b>	SeqNo: <b>3312125</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	150	5.0	100.0	50.86	99.7	90	110	0.231	20	

**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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2210D32

22-Nov-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>MB-71178</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>PBW</b>	Batch ID: <b>71178</b>	RunNo: <b>92403</b>								
Prep Date: <b>10/31/2022</b>	Analysis Date: <b>11/7/2022</b>	SeqNo: <b>3322567</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50								
Aroclor 1221	ND	0.50								
Aroclor 1232	ND	0.50								
Aroclor 1242	ND	0.50								
Aroclor 1248	ND	0.50								
Aroclor 1254	ND	0.50								
Aroclor 1260	ND	0.50								
Surr: Decachlorobiphenyl	2.7		2.500		109	37.8	122			
Surr: Tetrachloro-m-xylene	2.4		2.500		96.8	15	102			

Sample ID: <b>LCS-71178</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>71178</b>	RunNo: <b>92403</b>								
Prep Date: <b>10/31/2022</b>	Analysis Date: <b>11/7/2022</b>	SeqNo: <b>3322568</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	2.9	0.50	5.000	0	58.4	35.6	103			
Aroclor 1260	3.7	0.50	5.000	0	74.8	69.5	120			
Surr: Decachlorobiphenyl	2.8		2.500		111	37.8	122			
Surr: Tetrachloro-m-xylene	2.7		2.500		109	15	102			S

Sample ID: <b>LCSD-71178</b>	SampType: <b>LCSD</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>LCSS02</b>	Batch ID: <b>71178</b>	RunNo: <b>92403</b>								
Prep Date: <b>10/31/2022</b>	Analysis Date: <b>11/7/2022</b>	SeqNo: <b>3322569</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.2	0.50	5.000	0	64.6	35.6	103	10.1	28.1	
Aroclor 1260	4.8	0.50	5.000	0	96.4	69.5	120	25.2	20	R
Surr: Decachlorobiphenyl	2.9		2.500		115	37.8	122	0	0	
Surr: Tetrachloro-m-xylene	2.5		2.500		98.0	15	102	0	0	

Sample ID: <b>MB-71178</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>PBW</b>	Batch ID: <b>71178</b>	RunNo: <b>92403</b>								
Prep Date: <b>10/31/2022</b>	Analysis Date: <b>11/7/2022</b>	SeqNo: <b>3322577</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50								
Aroclor 1221	ND	0.50								
Aroclor 1232	ND	0.50								
Aroclor 1242	ND	0.50								
Aroclor 1248	ND	0.50								

**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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210D32

22-Nov-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>MB-71178</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8082A: PCB's</b>								
Client ID: <b>PBW</b>	Batch ID: <b>71178</b>	RunNo: <b>92403</b>								
Prep Date: <b>10/31/2022</b>	Analysis Date: <b>11/7/2022</b>	SeqNo: <b>3322577</b>			Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.50								
Aroclor 1260	ND	0.50								
Surr: Decachlorobiphenyl	2.8		2.500		114	37.8	122			
Surr: Tetrachloro-m-xylene	2.2		2.500		89.6	15	102			

**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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2210D32

22-Nov-22

**Client:** GHD  
**Project:** Thoreau

Sample ID: <b>100ng lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8260: Volatiles Short List</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R92357</b>		RunNo: <b>92357</b>							
Prep Date:	Analysis Date: <b>11/4/2022</b>		SeqNo: <b>3319045</b>		Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	89.0	70	130			
Toluene	19	1.0	20.00	0	96.8	70	130			
Surr: 1,2-Dichloroethane-d4	8.8		10.00		87.7	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.1	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	9.6		10.00		96.2	70	130			

Sample ID: <b>100ng lcs2</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8260: Volatiles Short List</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R92357</b>		RunNo: <b>92357</b>							
Prep Date:	Analysis Date: <b>11/5/2022</b>		SeqNo: <b>3319046</b>		Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.4	70	130			
Toluene	19	1.0	20.00	0	96.6	70	130			
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.1	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.5	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	9.7		10.00		97.1	70	130			

Sample ID: <b>2210d32-001ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8260: Volatiles Short List</b>							
Client ID: <b>5-6C</b>	Batch ID: <b>R92357</b>		RunNo: <b>92357</b>							
Prep Date:	Analysis Date: <b>11/5/2022</b>		SeqNo: <b>3319048</b>		Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	91.4	70	130			
Toluene	19	1.0	20.00	0	93.7	70	130			
Surr: 1,2-Dichloroethane-d4	8.3		10.00		82.9	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.0	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.4	70	130			
Surr: Toluene-d8	9.9		10.00		98.8	70	130			

Sample ID: <b>2210d32-001amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8260: Volatiles Short List</b>							
Client ID: <b>5-6C</b>	Batch ID: <b>R92357</b>		RunNo: <b>92357</b>							
Prep Date:	Analysis Date: <b>11/5/2022</b>		SeqNo: <b>3319049</b>		Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	1.0	20.00	0	86.3	70	130	5.69	20	
Toluene	18	1.0	20.00	0	87.8	70	130	6.59	20	
Surr: 1,2-Dichloroethane-d4	8.9		10.00		89.3	70	130	0	0	
Surr: 4-Bromofluorobenzene	10		10.00		101	70	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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2210D32

22-Nov-22

**Client:** GHD  
**Project:** Thoreau

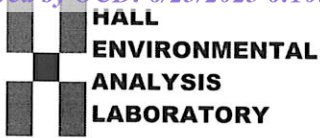
Sample ID: <b>2210d32-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>5-6C</b>	Batch ID: <b>R92357</b>	RunNo: <b>92357</b>								
Prep Date:	Analysis Date: <b>11/5/2022</b>	SeqNo: <b>3319049</b>	Units: <b>µg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	10		10.00		100	70	130	0	0	
Surr: Toluene-d8	9.9		10.00		99.2	70	130	0	0	

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R92357</b>	RunNo: <b>92357</b>								
Prep Date:	Analysis Date: <b>11/4/2022</b>	SeqNo: <b>3319075</b>	Units: <b>µg/L</b>							
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	11		10.00		106	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.0	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.7		10.00		97.0	70	130			

Sample ID: <b>mb2</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260: Volatiles Short List</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R92357</b>	RunNo: <b>92357</b>								
Prep Date:	Analysis Date: <b>11/5/2022</b>	SeqNo: <b>3319076</b>	Units: <b>µg/L</b>							
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	11		10.00		112	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.7		10.00		96.8	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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- 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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD Work Order Number: 2210D32 RcptNo: 1

Received By: Kasandra Jimena Garcia 10/26/2022 2:39:00 PM

Completed By: Cheyenne Cason 10/26/2022 3:01:27 PM

Reviewed By: KGA 10-27-22

Handwritten initials/signatures

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Client

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [checked] No [ ] NA [ ]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by CMC 10/27/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 4.6, Good, Not Present, [ ], [ ], [ ]





## Cheyenne Cason

---

**From:** Christine Mathews <Christine.Mathews@ghd.com>  
**Sent:** Thursday, October 27, 2022 1:19 PM  
**To:** Cheyenne Cason  
**Subject:** Thoreau Analytes

Hi Cheyenne,

Just for total clarification, the correct methods and needed analyses for the Thoreau project you all received samples for yesterday 10/26/22....

BTEX	SW-846 8260
PCBs	SW-846 8082
Sulfate	EPA 300

Please let me know if you need anything else. Sorry for all the confusion.

**Christine Mathews** (she/her)  
 Project Manager

### GHD

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6121 Indian School Rd NE Ste 200 Albuquerque NM 87110 USA

D 1 505 269 0088 E [christine.mathews@ghd.com](mailto:christine.mathews@ghd.com)

### The Power of Commitment

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

CONDITIONS

Action 231963

**CONDITIONS**

Operator: Transwestern Pipeline Company, LLC 8501 Jefferson NE Albuquerque, NM 87113	OGRID: 329750
	Action Number: 231963
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

**CONDITIONS**

Created By	Condition	Condition Date
michael.buchanan	Received for the record.	2/14/2024