GW – 355

2013 AGWMR

04 / 10 / 2014

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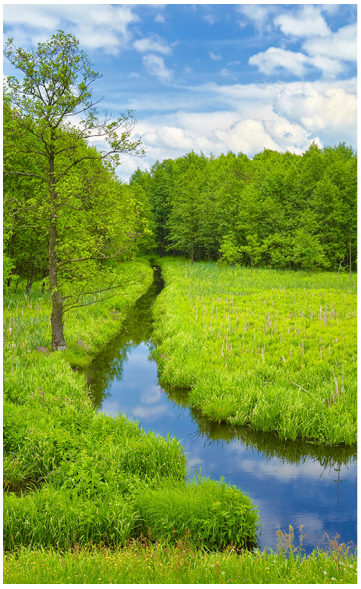

2013 ANNUAL GROUNDWATER MONITORING REPORT

THOREAU COMPRESSOR STATION No. 5
MCKINLEY COUNTY, NEW MEXICO

Prepared for: TRANSWESTERN PIPELINE COMPANY
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Houston, Texas 77002

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4/10/2014 • 086242 • Report No. 1

Partners in Sustainability

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Section 1.0 Introduction

This report discusses the groundwater sampling event performed by Cypress Engineering Services Inc. (Cypress) on July 23, 2013 at the Transwestern Pipeline Company, LLC. (Transwestern) Thoreau Compressor Station No. 5 (Site), located in McKinley County, New Mexico. The Site is situated approximately 1.5 miles north-northwest of Thoreau, New Mexico. Geographical coordinates for the Site are 35°25'34.55" North and 108°14'9.63" West. Properties adjacent to the Site are owned by the Navajo Nation and the Bureau of Land Management. A Site location map and detail map are included as **Figures 1** and **2**, respectively. Site consulting responsibilities were transferred from Cypress to Conestoga Rovers & Associates, Inc. (CRA) in January 2014.

1.1 Background

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

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

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

The Phase I remediation system was placed into service on December 9, 1994. This system consisted of a single ½ HP electric regenerative blower which extracted soil vapor from Monitor Well 5-35B.

The Phase II system was implemented in 1996 with the installation of 11 air sparge points (AS-1 thru AS-11), two dedicated SVE wells (SVE-1 and SVE-2), and the installation of associated surface equipment. During drilling activities at AS-2, soil impacts originating from a former surface impoundment for gas

condensate liquids were discovered (**Figure 2**). It was determined that this former surface impoundment was likely the primary source of Site benzene impacts. 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 because of declining volatile organic compounds (VOCs) detected in the system influent.

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

PCBs have been detected in groundwater samples collected from three Site wells in the extreme southeast corner of the facility. The source of PCBs detected in perched groundwater is not fully understood.

1.2 Hydrogeology

The Chinle Formation is the principal bedrock underlying the station. The Chinle Formation is comprised primarily of red claystones and mudstones and is roughly 1000 to 1300 feet thick. In addition, there is a middle Chinle Formation member, the Sonsela sandstone, which is approximately 90 to 130 feet thick at a depth of approximately 650 feet below the station. 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 on top of the Chinle Formation. The perched zone is approximately 10 to 15 feet thick over most of the Site, with the thickness increasing locally due to the presence of paleochannels that eroded the top of the Chinle Formation. The depth to perched groundwater is approximately 49 to 66 feet below ground surface (bgs) in the vicinity of Site impacts. All groundwater impacts detected at the Site occur in this perched zone. The water table elevation at the Site has declined significantly since 1993 due primarily to decreased water use at the facility.

Section 2.0 Groundwater Monitoring Methodology and Analytical Results

2.1 Groundwater Monitoring Summary

A groundwater sampling event was conducted at the Site on July 23, 2013.

2.2 Groundwater Monitoring Methodology

Prior to collection of groundwater samples from Site monitor wells, depth to groundwater in each well was measured using an oil/water interface probe (**Table 1)**. Groundwater gauging and collection of samples were conducted by Cypress using their standard operating procedures.

Groundwater samples were analyzed for benzene, ethylbenzene, toluene, and total xylenes (BTEX) by EPA Method 8260. Selected groundwater samples were also analyzed for PCBs by EPA Method 8082. A summary of analytical results for BTEX is presented in **Table 2**. A summary of analytical results for PCB compounds is presented in **Table 3**. A summary of field measured groundwater quality parameters (pH, temperature, electrical conductivity, and dissolved oxygen) obtained in the course of sampling is presented in **Table 4**.

2.3 Groundwater Monitoring 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).

Results of the July 2013 groundwater sampling event are discussed below:

- The groundwater gradient was approximately 0.039 feet per foot. A groundwater potentiometric surface map reflecting July 2013 groundwater elevations is presented as **Figure 3**. Depth to groundwater ranged from 51.13 to 66.44 feet bgs. Apparent groundwater flow at the Site is to the south and is consistent with previous data.
- **Benzene:** The NMWQCC domestic water supply groundwater quality standard for benzene is 10 micrograms per liter (ug/L). Groundwater samples collected in July 2013 from Monitor Wells 5-02C, 5-16B, 5-35B, and SVE-3 were found to contain benzene at concentrations of 34 ug/L, 5100 ug/L, 4100 ug/L, and 6200 ug/L, respectively (**Figure 4**).
- **Total Xylenes:** The NMWQCC domestic water supply groundwater quality standard for total xylenes is 620 ug/L. Groundwater samples collected from Monitor Wells 5-02C, 5-16B, 5-35B, and SVE-3 in July 2013 were found to contain xylenes at concentrations of 1200 ug/L, 3000 ug/L, 1200 ug/L, and 2700 ug/L, respectively.

- **PCBs:** The NMWQCC domestic water supply groundwater quality standard for PCBs is 1.0 ug/L. The groundwater sample collected from Monitor Wells 5-06C in July 2013 was found to contain PCBs at a concentration of 1.2 ug/L (**Figure 4**).

A copy of the Laboratory Analytical Report for the annual groundwater sampling event is included in **Appendix A**.

Section 3.0 Data Assessment

Based on a review of available data, the source of benzene impacts appears to be the former condensate surface impoundment. Elevated benzene concentrations appear to be localized to an area extending from 5-35B to 5-2C and from 5-35B to 5-16B (see **Figure 4**). Since Phase III of the remediation system was installed in late 1997, detected benzene concentrations in Monitor Well 5-16B have increased from 41 ug/L in February 1998, to a high of 5100 ug/L in July 2013 (**Figure 5**). Similar increases can be seen in concentration plots from Monitor Wells 5-35B, and SVE-3 (**Figures 6 and 7**). Based on the increasing benzene concentrations observed in the groundwater, it is likely that hydrocarbons remain in the soil in this area, despite the operation of the SVE system.

Concentrations of PCBs continue to indicate a decreasing trend. While PCB concentrations in Monitor Well 5-06C remained the same as 2012 (1.2 ug/l), the concentrations in monitor well 5-59 were less than 1.0 ug/l.

Section 4.0 Conclusion and Recommendations

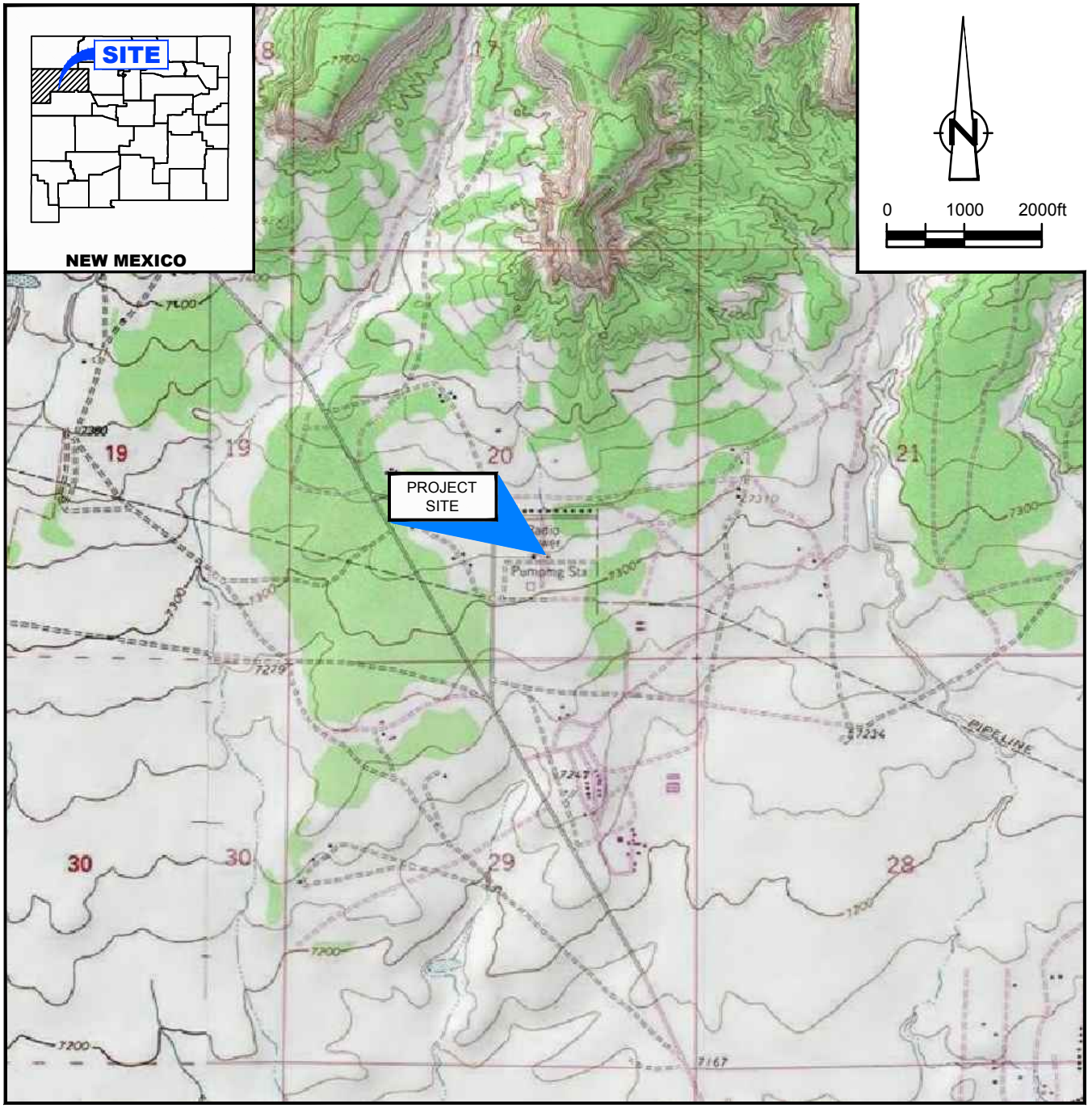
Based on the data reviewed, CRA concludes that soil impacts remaining in the area of the former surface impoundment may be a continuing source of groundwater impacts. Concentrations of PCBs in the groundwater appear to continue a decreasing trend.

CRA recommends an assessment of the current level of petroleum hydrocarbon concentrations remaining in the soil of the former surface impoundment area. The assessment should obtain data to evaluate if petroleum hydrocarbons are present in this area. Assessment data and existing data will be used to evaluate possible resumption of SVE system activities, including possible installation of additional SVE wells, if warranted.

Groundwater monitoring of wells with past PCB detections should be continued with the collection of additional data to assess the oxidative/reductive state of groundwater in these wells. The assessment should be performed to confirm that favorable conditions for continued biodegradation are present.

CRA also proposes plugging and abandoning 13 Site wells. The wells have either gone dry since installation, or have not had detections of COCs above regulatory standard for at least 8 consecutive sampling events. A list of wells proposed for plugging and abandoning are included in **Table 5**. Locations of wells proposed to be plugged and abandoned are shown in **Figure 8**.

Figures



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

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

Figure 1

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

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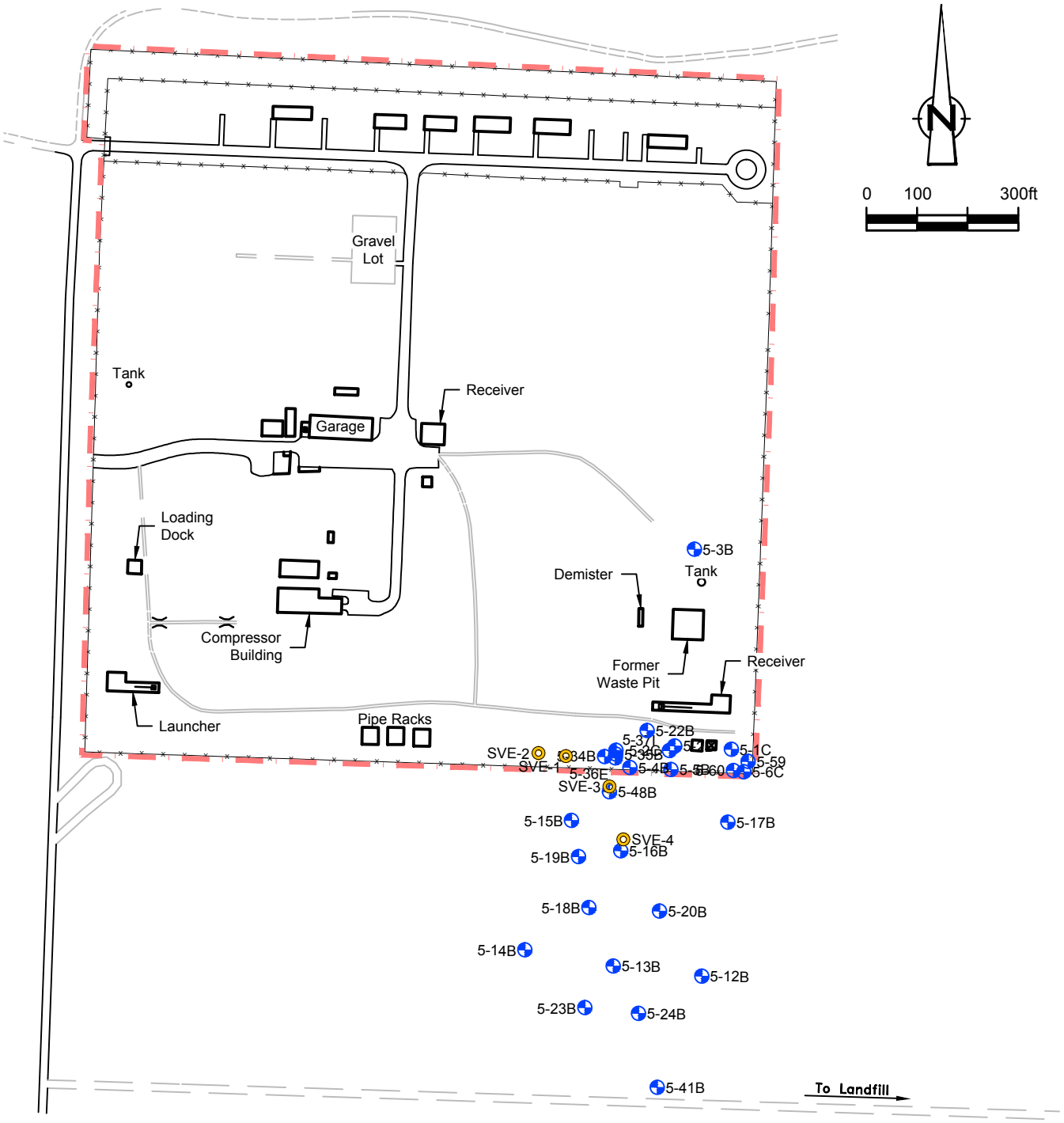


LEGEND

- Monitor Well Location
- SVE Well Location
- Approximate Station Boundary
- Fence Line

Figure 2

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

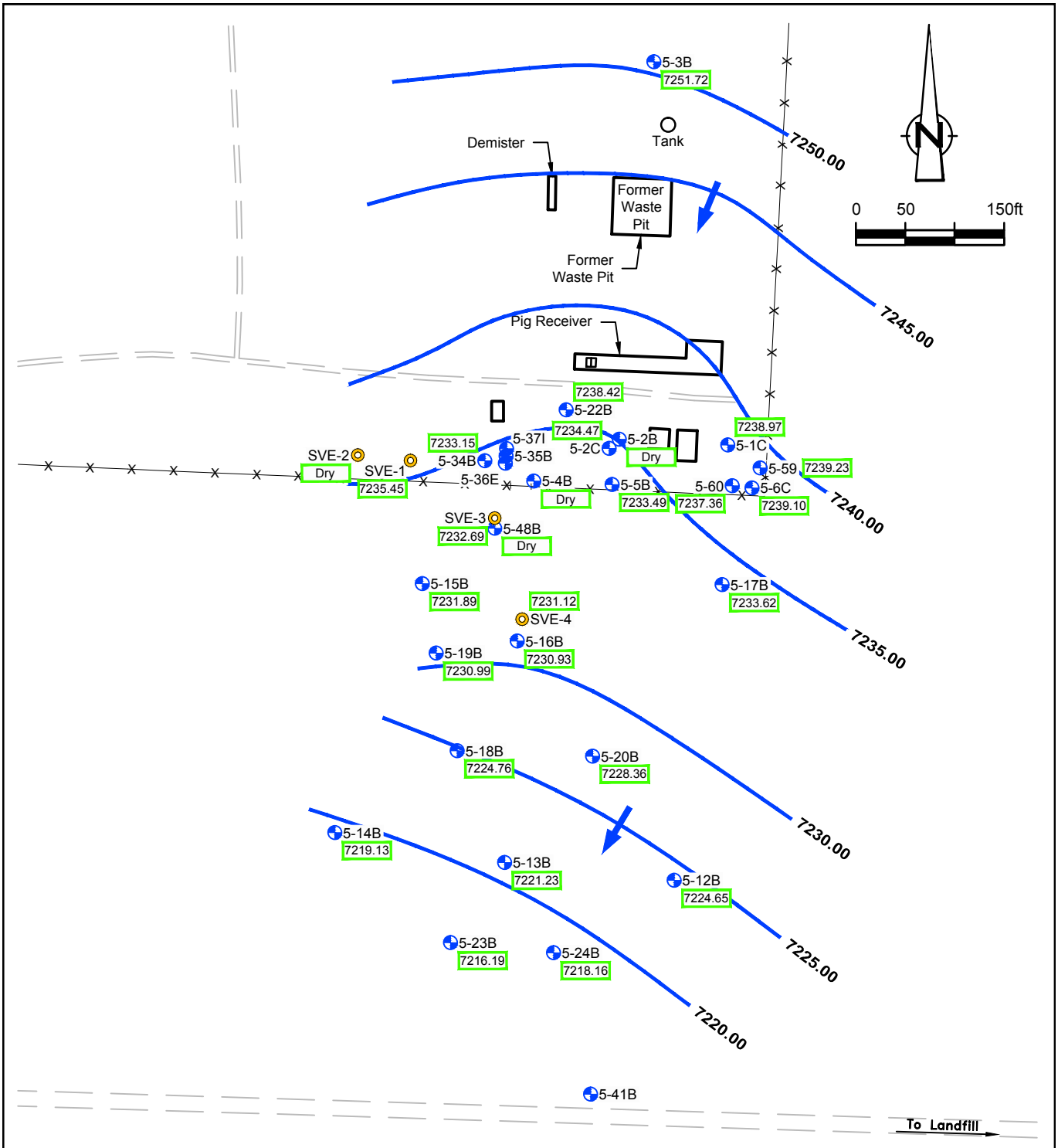
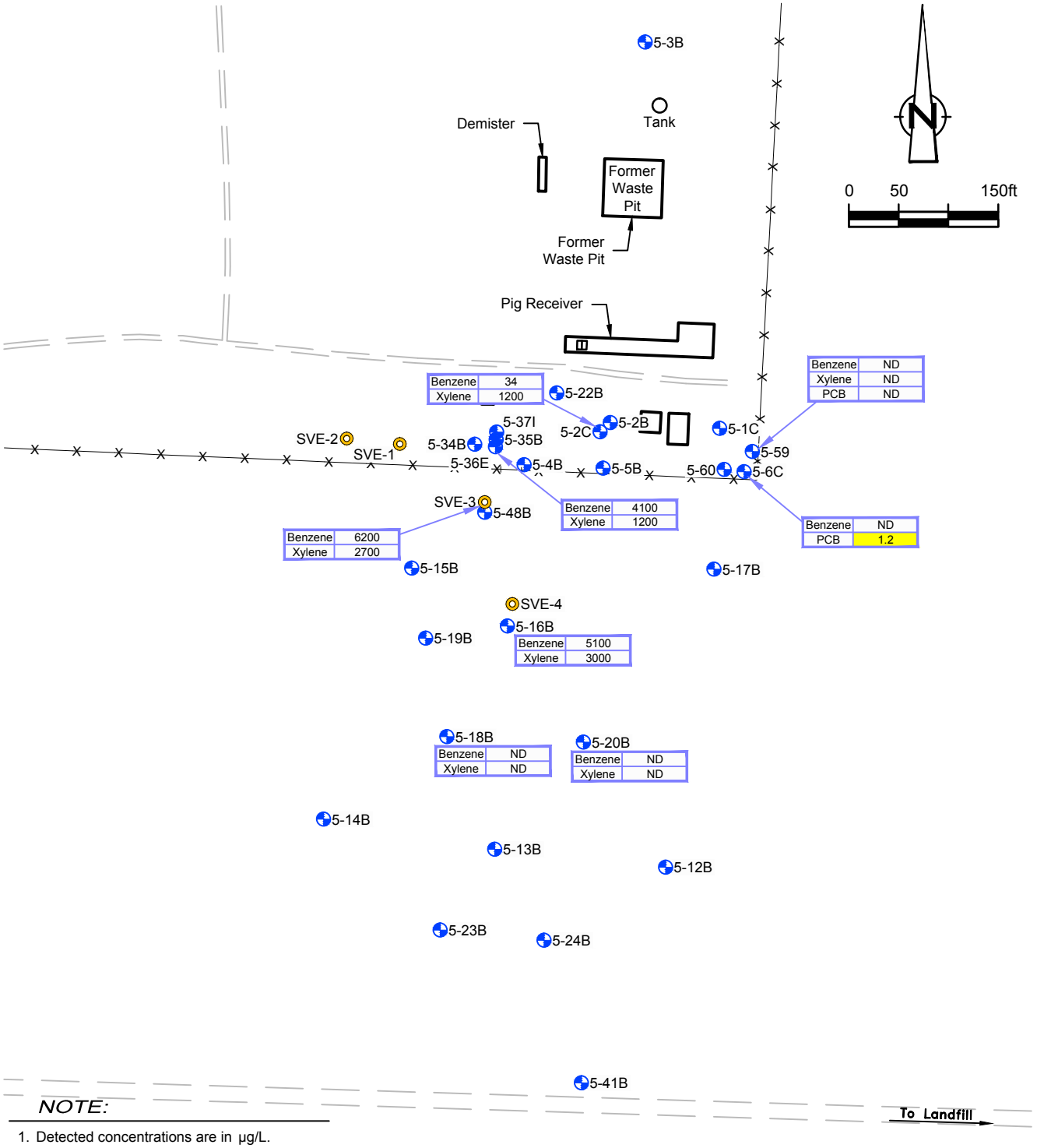


Figure 3

JULY 2013 POTENTIOMETRIC SURFACE MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC



NOTE:

1. Detected concentrations are in µg/L.

LEGEND	
	Monitor Well Location
	SVE Well Location
	Fence Line
ND	Not Detected

Figure 4

JULY 2013 BENZENE AND PCB CONCENTRATION MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

Figure 5

Concentration History at Well 5-16B
TW Thoreau Station Remediation Site

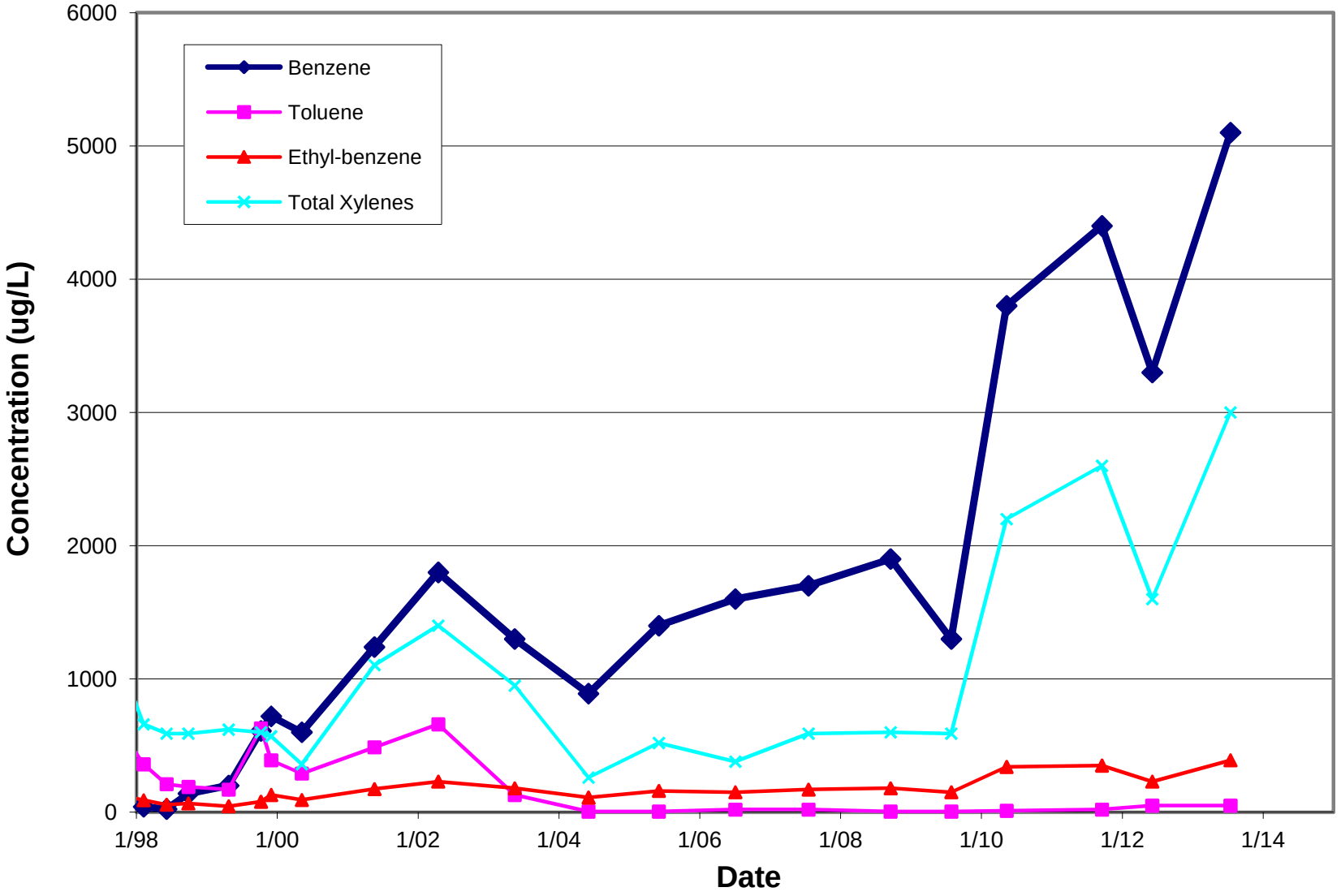


Figure 6

Concentration History at Well 5-35B
TW Thoreau Station Remediation Site

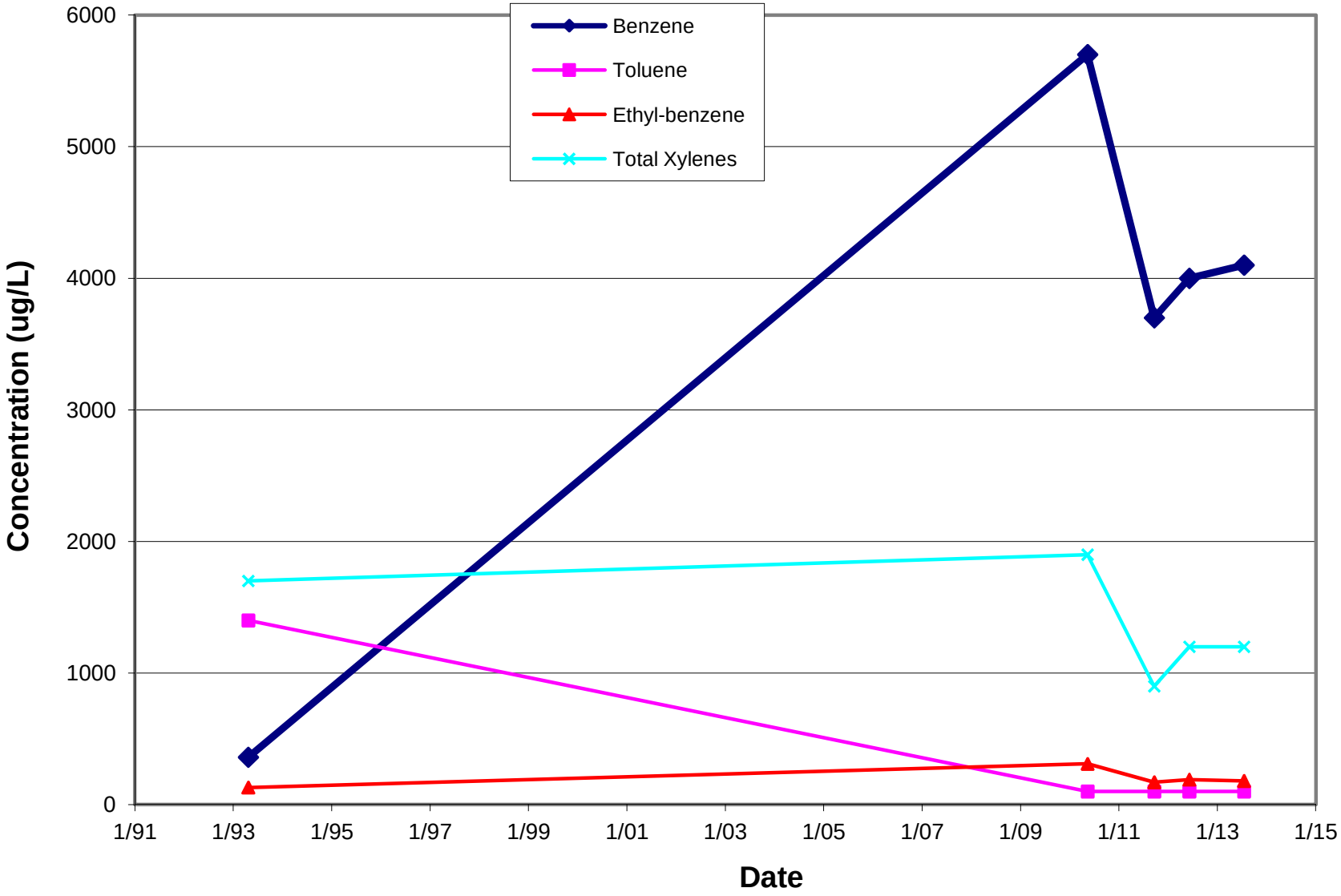
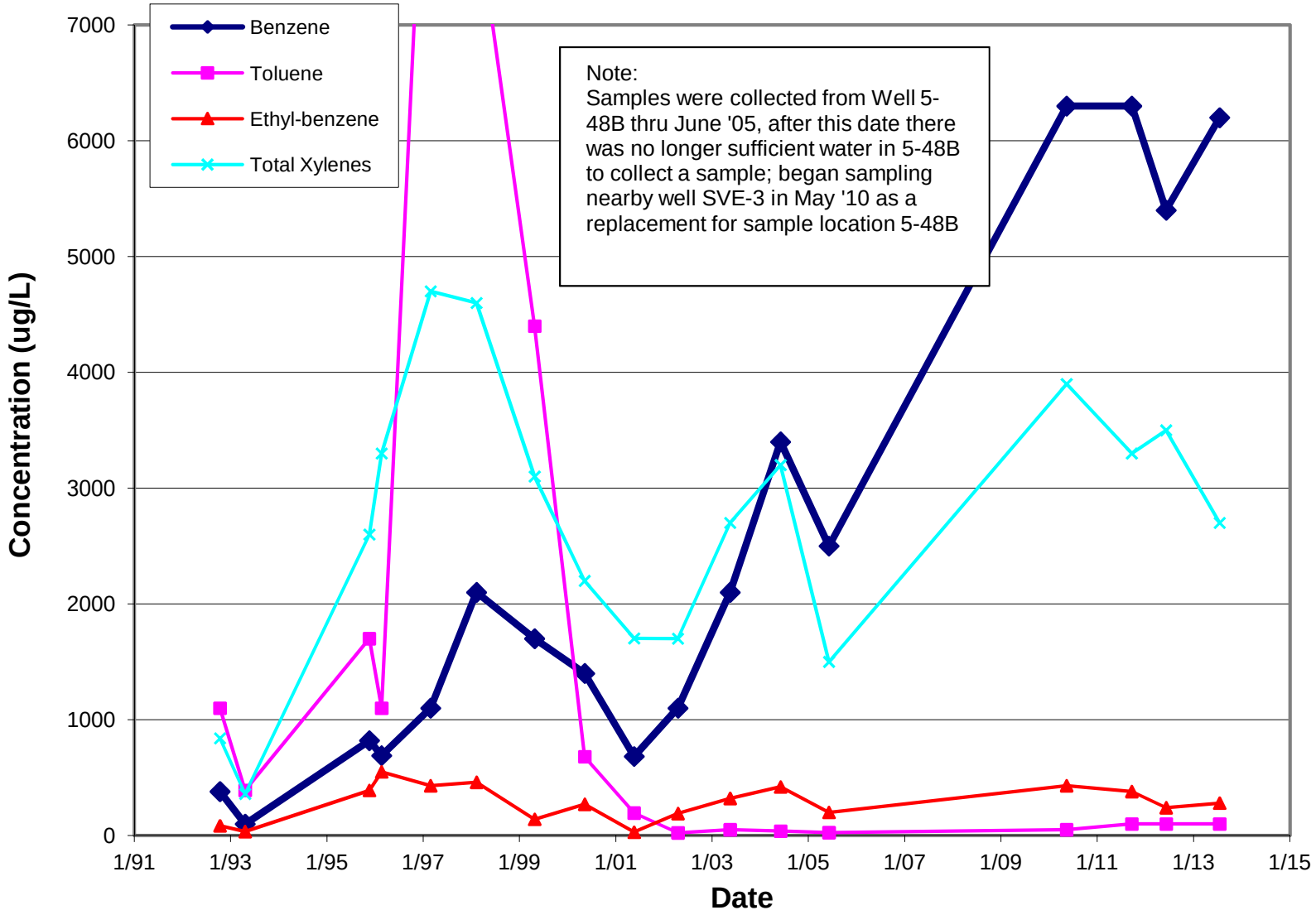
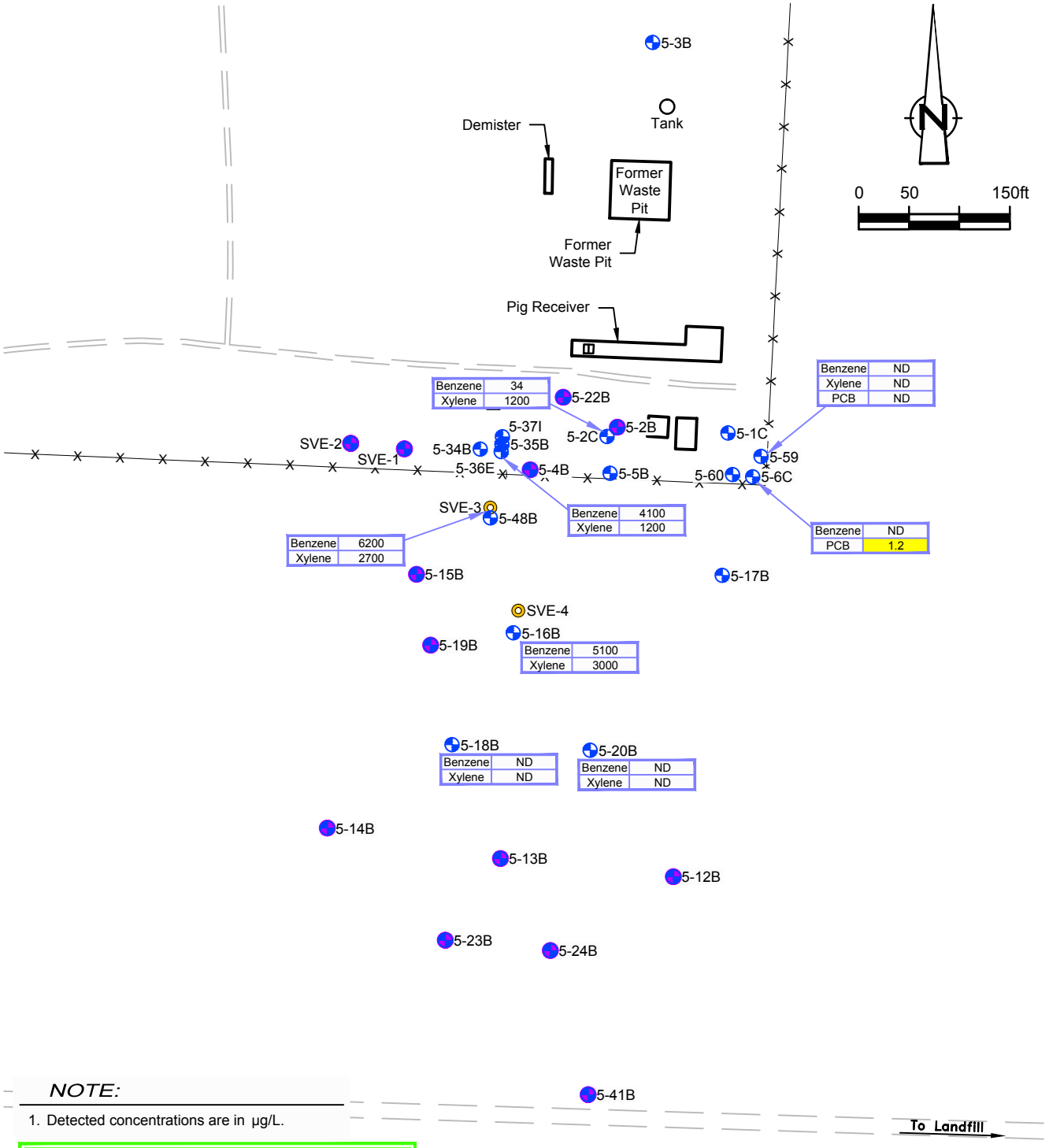


Figure 7

Concentration History at Wells 5-48B & SVE-3
TW Thoreau Station Remediation Site





NOTE:

1. Detected concentrations are in µg/L.

LEGEND

- Monitor Well Location
- Soil Vapor Extraction Well
- Proposed Well to be Plugged and Abandoned
- Fence Line
- ND — Not Detected

Figure 8

PROPOSED WELLS TO BE PLUGGED AND ABANDONED
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

Tables

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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
		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
5-01C	7,292.11	02/10/98	---	TP	---	---
		04/27/99	---	TP	---	---
		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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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
		11/21/96	---	51.66	---	7240.40
		02/24/97	---	TP	---	---
	7,293.24 (a)	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	---	dry
		06/08/05	---	dry	---	dry
		07/10/06	---	dry	---	dry
		07/25/07	---	dry	---	dry
		09/22/08	---	dry	---	dry
		08/04/09	---	dry	---	dry
		05/18/10	---	dry	---	dry
		09/25/11	---	56.36	---	7236.88
		06/12/12	---	dry	---	dry
		07/23/13		dry		

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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
	7,292.02 (a)	02/10/98	---	53.51	---	7238.51
		10/11/99	---	55.02	---	7237.00
		05/10/00	---	54.61	---	7237.41
		11/14/00	---	55.23	---	7236.79
		05/21/01	---	55.38	---	7236.64
		11/16/01	---	55.61	---	7236.41
		04/17/02	---	55.76	---	7236.26
		10/30/02	---	56.01	---	7236.01
		05/21/03	---	56.27	---	7235.75
		11/10/03	---	56.53	---	7235.49
		06/07/04	---	56.85	---	7235.17
		06/08/05	---	57.29	---	7234.73
		07/10/06	---	57.74	---	7234.28
		07/25/07	---	57.96	---	7234.06
		09/22/08	---	57.85	---	7234.17
		08/04/09	---	57.15	---	7234.87
		05/18/10	---	58.31	---	7233.71
		09/25/11	---	57.38	---	7234.64
		06/12/12	---	58.77	---	7233.25
		07/23/13	---	58.53	---	7233.49

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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
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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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
		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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-16B	7,288.82	08/14/90	---	47.21	---	7241.61
		11/14/90	---	47.46	---	7241.36
		01/10/91	---	47.60	---	7241.22
		02/06/91	---	47.62	---	7241.20
		03/06/91	---	47.63	---	7241.19
		04/09/91	---	47.73	---	7241.09
		05/23/91	---	47.87	---	7240.95
		06/18/91	---	47.91	---	7240.91
		07/26/91	---	48.04	---	7240.78
		09/03/91	---	48.17	---	7240.65
		10/11/91	---	48.30	---	7240.52
		11/12/91	---	48.34	---	7240.48
		12/12/91	---	48.22	---	7240.60
		01/08/92	---	48.11	---	7240.71
		02/20/92	---	47.76	---	7241.06
		03/18/92	---	47.43	---	7241.39
		04/29/92	---	46.89	---	7241.93
		10/06/92	---	45.97	---	7242.85
		10/13/92	---	45.95	---	7242.87
		04/19/93	---	45.61	---	7243.21
		04/20/93	---	45.62	---	7243.20
		11/14/95	---	48.88	---	7239.94
		02/15/96	---	49.33	---	7239.49
		05/21/96	---	50.11	---	7238.71
		08/12/96	---	50.41	---	7238.41
		11/18/96	---	50.74	---	7238.08
		02/24/97	---	51.08	---	7237.74
		05/19/97	---	51.35	---	7237.47
		08/18/97	---	51.67	---	7237.15
		11/16/97	---	52.02	---	7236.80
		02/10/98	---	52.16	---	7236.66
		06/08/98	---	52.42	---	7236.40
		09/29/98	---	52.86	---	7235.96
		04/27/99	---	53.02	---	7235.80
		10/11/99	---	53.66	---	7235.16
		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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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
		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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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
		05/21/96	---	51.25	---	7241.49
		08/12/96	---	51.91	---	7240.83
		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
		09/08/98	---	54.05	---	7238.69
		09/29/98	---	54.16	---	7238.58
		04/27/99	---	dry	---	dry
		10/11/99	---	dry	---	dry
		05/10/00	---	dry	---	dry
		11/14/00	---	dry	---	dry
		05/21/01	---	dry	---	dry
		11/16/01	---	dry	---	dry
		04/17/02	---	dry	---	dry
		10/30/02	---	dry	---	dry
		05/21/03	---	dry	---	dry
		11/10/03	---	dry	---	dry
		06/07/04	---	dry	---	dry
		06/08/05	---	dry	---	dry
		07/10/06	---	dry	---	dry
		07/25/07	---	dry	---	dry
		09/22/08	---	dry	---	dry
		08/04/09	---	dry	---	dry
		05/18/10	---	dry	---	dry
		09/25/11	---	53.48	---	7239.26
		06/12/12	---	54.00	---	7238.74
		07/23/13		54.32		

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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
		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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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
		05/19/97	sheen	56.21	sheen	7240.67
		08/18/97	---	56.41	---	7240.47
	7,295.33 (a)	02/10/98	---	55.79	---	7239.54
		10/11/99	57.15	57.16	0.01	7238.18
		05/10/00	---	56.68	---	7238.65
		11/14/00	---	57.30	---	7238.03
		05/21/01	---	57.51	---	7237.82
		11/16/01	---	57.75	---	7237.58
		04/17/02	---	57.96	---	7237.37
		10/30/02	---	57.97	---	7237.36
		05/21/03	---	58.31	---	7237.02
		11/10/03	---	58.43	---	7236.90
		06/07/04	---	58.69	---	7236.64
		06/08/05	---	58.89	---	7236.44
		07/10/06	---	58.99	---	7236.34
		07/25/07	---	58.97	---	7236.36
		09/22/08	---	58.43	---	7236.90
		08/04/09	---	58.60	---	7236.73
		05/18/10	---	58.72	---	7236.61
		09/25/11	---	57.71	---	7237.62
		06/12/12	---	58.23	---	7237.10
		07/23/13	---	58.75	---	7236.58

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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
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	---	TP	---	---
		05/19/97	---	65.39	---	7202.96
		08/18/97	---	66.03	---	7202.32

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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
		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	---	dry
		08/04/09	---	dry	---	dry
		05/18/10	---	dry	---	dry
		09/25/11	---	59.65	---	7232.99
		06/12/12	---	59.68	---	7232.96
		07/23/13	---	dry	---	dry

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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
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
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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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
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	---	dry
		07/25/07	---	dry	---	dry
		09/22/08	---	dry	---	dry
		08/04/09	---	dry	---	dry
		05/18/10	---	dry	---	dry
		09/25/11	---	61.39	---	7235.49
		06/12/12	---	61.31	---	7235.57
		07/23/13		61.43	---	7235.45

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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	---	dry
		07/25/07	---	dry	---	dry
		09/22/08	---	dry	---	dry
		08/04/09	---	dry	---	dry
		05/18/10	---	dry	---	dry
		09/25/11	---	61.57	---	7236.11
		06/12/12	---	dry	---	dry
		07/23/13		dry		dry
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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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
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

Table 1. Summary of Groundwater Level Data
Thoreau Station Remediation Site

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
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

MP = Measuring point
fmsl = Feet above mean sea level
NM = Not measured
TP = Tagged top of pump
(a) Measuring point elevation adjusted for addition of SVE extraction point tee at surface.

Table 2. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

			BTEX Concentration (ug/L)			
Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
NMWQCC Standard			*10*	*750*	*750*	*620*
5-01B	12/89	ER	< 5.0	6.3	< 5.0	NA
	03/90	ER	< 5.0	< 5.0	< 5.0	25
	01/91	EH	< 1.0	< 1.0	< 1.0	4.8
	01/09/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	12/13/94	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	06/27/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/22/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/28/97	HEAL	0.6	< 0.5	< 0.5	< 0.5
	08/21/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
5-01C	11/23/97	HEAL	1.4	< 0.5	< 0.5	< 0.5
	01/08/98	HEAL	2.0	< 0.5	< 0.5	< 0.5
	04/29/99	OAL	< 1	< 1	< 1	< 1
Pulled pump	05/12/00	OAL	< 1	< 2	< 2	< 4
	05/22/01	Analysys	< 1	< 1	< 1	< 2
	04/20/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/07/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/05	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	07/11/06	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	08/04/09	HEAL	< 1.0	< 1.0	< 1.0	< 2.0

Table 2. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

			BTEX Concentration (ug/L)			
Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
NMWQCC Standard			*10*	*750*	*750*	*620*
5-02B	05/89	ER	**1800**	**2000**	< 200	NA
	08/89	ER	**2500**	**4700**	< 500	NA
	11/89	ER	**1800**	**3100**	250	NA
	03/90	ER	**2300**	**3800**	< 250	**2400**
	06/90	ER	**1900**	**3100**	< 250	**2300**
	08/90	AS	**1400**	**2300**	180	**1700**
	11/90	EH	**1500**	**2400**	230	**1900**
	01/91	EH	**600**	730	110	**940**
	02/91	EH	**460**	580	75	600
	03/91	EH	**2400**	**3300**	290	**2600**
	04/91	EH	**830**	**1200**	110	**920**
	05/91	EH	**830**	**1200**	150	**1300**
	06/91	EH	5.1	7.0	0.57	4.7
	07/91	EH	**400**	600	49	420
	09/91	EH	**510**	**750**	57	530
	10/91	ER	**290**	450	37	310
	11/91	ER	**740**	**1200**	97	**950**
	12/91	ER	**330**	580	31	320
	01/09/92	ER	**360**	710	52	480
	01/28/92	ER	**420**	**810**	64	560
	02/20/92	ER	**890**	**1600**	140	**1200**
	03/19/92	ATI-P	**910**	**2100**	170	**1700**
	04/29/92	ATI-P	**1700**	**3800**	240	**2200**
	10/14/92	ATI-P	**800**	700	74	**640**
	04/22/93	ATI-A	**120**	< 0.5	11	38
	12/09/94	HEAL	**2100**	**2600**	220	**1800**
	06/26/95	HEAL	**1200**	**2700**	130	**1200**
	10/06/95	HEAL	**490**	**1600**	66	**640**
	11/21/95	HEAL	**740**	**2900**	160	**1100**
	02/22/96	HEAL	**260**	**1000**	62	600
	05/21/96	HEAL	**380**	120	**1300**	**1100**
	08/14/96	HEAL	**420**	**1200**	100	**880**
	11/21/96	HEAL	**660**	**1300**	150	**1600**
	02/28/97	HEAL	**260**	500	90	**680**

Table 2. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

			BTEX Concentration (ug/L)			
Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
NMWQCC Standard			*10*	*750*	*750*	*620*
5-02C	11/23/97	HEAL	**26**	2.7	9.1	2.7
	02/11/98	HEAL	**110**	7.0	33	8.3
	04/28/99	OAL	**1500**	**4400**	260	**2500**
	05/13/00	OAL	**980**	**3400**	340	**3500**
	05/24/01	Analysys	**446**	60	340	**3406**
	04/20/02	HEAL	**450**	< 10	300	**3100**
	05/22/03	HEAL	**290**	< 10	200	**800**
	06/08/04	HEAL	**270**	28	160	**1000**
	06/09/05	HEAL	**300**	< 10	190	**1700**
	09/25/11	HEAL	**27**	< 10	91	220
	07/10/12	HEAL	**40**	12	130	**730**
	07/23/13	HEAL	**34**	50	130	**1200**
5-03B	05/89	ER	< 5.0	< 5.0	< 5.0	NA
	04/90	ER	< 5.0	< 5.0	< 5.0	< 5.0
	01/91	EH	< 0.30	< 0.30	< 0.30	< 0.60
	01/09/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	12/09/94	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/15/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/24/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/10/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	04/27/99	OAL	< 1	< 1	< 1	< 1
	05/11/00	OAL	< 1	< 2	< 2	< 4
	05/22/01	Analysys	< 1	< 1	< 1	< 2
	04/18/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/07/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

Table 2. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

			BTEX Concentration (ug/L)			
Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
NMWQCC Standard			*10*	*750*	*750*	*620*
5-04B	10/89	ER	**< 25**	< 25	< 25	NA
	01/90	ER	**21**	< 5.0	< 5.0	NA
	01/91	EH	**22**	1.6	0.75	5.6
	01/10/92	ER	**53**	< 1.2	3.7	44
	04/21/93	ATI-A	**170**	130	26	280
	12/12/94	HEAL	**12**	2.2	3.4	3.3
	11/17/95	HEAL	9.9	1.1	0.6	< 0.5
	02/20/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/14/00	OAL	3	< 2	< 2	< 4
	05/22/01	Analysys	1.72	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
5-05B	10/89	ER	< 5.0	< 5.0	8.7	NA
	04/90	ER	< 5.0	< 5.0	< 5.0	< 5.0
	01/91	EH	< 0.50	< 0.50	< 0.50	0.56
	01/09/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	04/21/93	ATI-A	**38**	< 0.5	2.4	3
	12/12/94	HEAL	**150**	33	16	47
	11/17/95	HEAL	5.0	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	1.0	< 0.5	< 0.5	< 0.5
	02/25/97	HEAL	3.0	1.4	< 0.5	0.6
	10/14/99	OAL	< 1	< 2	< 2	< 4
	05/11/00	OAL	< 1	< 2	< 2	< 4
	05/22/01	Analysys	1.61	< 1	< 1	< 2
	04/18/02	HEAL	5.2	< 0.50	< 0.50	< 0.50
	05/21/03	HEAL	2.1	0.92	1.0	2.6
	06/08/04	HEAL	2.5	< 0.50	0.51	1.3
5-06B	10/89	ER	**15**	< 5.0	< 5.0	NA
	01/90	ER	< 5.0	< 5.0	8.3	NA
	01/91	EH	< 1.0	< 1.0	< 1.0	31
	01/09/92	ER	2.3	< 0.50	< 0.50	< 0.50
	12/14/94	HEAL	4.3	< 0.50	< 0.50	0.7
	11/21/95	HEAL	6.2	< 0.5	< 0.5	< 0.5
	02/22/96	HEAL	4.3	< 0.5	< 0.5	< 0.5
	02/28/97	HEAL	0.9	< 5.0	< 5.0	< 0.5
	08/20/97	HEAL	0.7	< 5.0	< 5.0	< 0.5

Table 2. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

			BTEX Concentration (ug/L)			
Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
NMWQCC Standard			*10*	*750*	*750*	*620*
5-06C	11/23/97	HEAL	1.4	0.6	< 5.0	11
	12/08/98	HEAL	1.0	< 0.5	< 0.5	5.7
	04/29/99	OAL	< 1	< 1	< 1	< 1
	05/13/00	OAL	1	< 2	< 2	< 4
	05/22/01	Analysys	< 1	< 1	< 1	< 2
	04/20/02	HEAL	1.1	< 0.50	< 0.50	< 0.50
	05/21/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/07/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/09/05	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	07/11/06	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	08/04/09	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	05/18/10	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	09/25/11	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	06/12/12	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	07/23/13	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
5-12B	08/90	AS	< 1	< 1	< 1	< 1
	01/91	EH	1.5	4.7	0.79	3.8
	01/07/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	11/16/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/26/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/11/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	04/27/99	OAL	< 1	< 1	< 1	< 1
	05/11/00	OAL	< 1	< 2	< 2	< 4
	05/23/01	Analysys	< 1	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

Table 2. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

			BTEX Concentration (ug/L)			
Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
NMWQCC Standard			*10*	*750*	*750*	*620*
5-13B	08/90	AS	**54**	13	< 1	330
	11/90	EH	**61**	< 10	< 10	480
	01/91	EH	**180**	17	< 5.0	310
	02/91	EH	**270**	25	< 10	460
	03/91	EH	**240**	< 50	< 50	480
	04/91	EH	**430**	< 0.50	< 0.50	**620**
	05/91	EH	**290**	< 10	< 10	450
	06/91	EH	**330**	0.53	< 0.50	600
	07/91	EH	**97**	0.72	< 0.50	**760**
	10/91	ER	**71**	< 5.0	< 5.0	510
	01/08/92	ER	**150**	< 25	< 25	570
	05/01/92	ATI-P	**76**	8.0	< 0.5	67
	10/13/92	ATI-P	**88**	8.7	< 0.5	1.5
	10/05/95	HEAL	0.6	2.5	0.5	1.9
	11/20/95	HEAL	< 0.5	< 0.5	0.6	2.0
	02/21/96	HEAL	1.0	0.7	< 0.5	< 0.5
	05/21/96	HEAL	0.7	< 0.5	< 0.5	0.8
	08/13/96	HEAL	1	5.4	< 0.5	< 0.5
	11/21/96	HEAL	1.2	6.1	< 0.5	< 0.5
	02/26/97	HEAL	1.5	5.9	< 0.5	2.5
	05/21/97	HEAL	1.1	4.3	< 0.5	0.7
	08/19/97	HEAL	1.2	2.9	< 0.5	0.6
	11/18/97	HEAL	1.3	2	< 0.5	< 0.5
	02/11/98	HEAL	0.9	1.5	< 0.5	< 0.5
	06/09/98	HEAL	0.8	0.7	< 0.5	< 0.5
	09/30/98	HEAL	< 0.5	1.5	< 0.5	< 0.5
	04/27/99	OAL	< 1	< 1	< 1	< 1
	10/12/99	OAL	< 1	< 2	< 2	< 4
	05/11/00	OAL	< 1	< 2	< 2	< 4
	11/16/00	NCA	< 0.500	< 0.500	< 0.500	< 1.00
	05/23/01	Analysys	< 1	< 1	< 1	< 2
	11/17/01	Analysys	< 1	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

Table 2. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

			BTEX Concentration (ug/L)			
Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
NMWQCC Standard			*10*	*750*	*750*	*620*
5-14B	08/90	AS	< 1	< 1	< 1	< 1
	01/91	EH	< 0.50	< 0.50	< 0.50	< 1.0
	01/06/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	11/16/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	2.6	1.5	< 0.5
	02/26/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/10/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	04/27/99	OAL	< 1	< 1	< 1	< 1
	05/11/00	OAL	< 1	< 2	< 2	< 4
	05/24/01	Analysys	< 1	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
5-15B	08/90	AS	< 1	< 1	< 1	< 1
	01/91	EH	< 0.30	< 0.30	< 0.30	1.0
	01/07/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	11/16/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/26/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/11/98	HEAL	1.5	< 0.5	1.0	1.2
	04/28/99	OAL	< 1	< 1	< 1	< 1
	05/12/00	OAL	< 1	< 2	< 2	< 4
	05/24/01	Analysys	< 1	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

Table 2. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

			BTEX Concentration (ug/L)			
Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
NMWQCC Standard			*10*	*750*	*750*	*620*
5-16B	08/90	AS	**19**	25	50	320
	01/91	EH	< 0.30	< 0.30	< 0.30	< 0.60
	01/08/92	ER	**200**	500	410	**3000**
	04/20/93	ATI-A	6.5	< 0.5	14	51
	11/20/95	HEAL	**970**	**7100**	430	**3100**
	02/21/96	HEAL	**1700**	**6900**	340	**3600**
	02/27/97	HEAL	**250**	**1100**	190	**2000**
	02/11/98	HEAL	**41**	360	90	**660**
	06/10/98	HEAL	**23**	210	56	590
	10/01/98	HEAL	**140**	190	66	590
	04/28/99	OAL	**200**	170	45	**620**
	10/13/99	OAL	**610**	630	79	600
	12/05/99	OAL	**720**	390	130	570
	05/12/00	OAL	**600**	290	92	360
	05/24/01	Analysys	**1240**	487	174	**1105**
	04/20/02	HEAL	**1800**	660	230	**1400**
	05/22/03	HEAL	**1300**	130	180	**950**
	06/08/04	HEAL	**890**	< 5	110	260
	06/08/05	HEAL	**1400**	< 5	160	520
	07/10/06	HEAL	**1600**	< 20	150	380
	07/25/07	HEAL	**1700**	< 20	170	590
	09/23/08	HEAL	**1900**	< 5	180	600
	08/04/09	HEAL	**1300**	< 5	150	590
	05/18/10	HEAL	**3800**	11	340	**2200**
	09/25/11	HEAL	**4400**	< 20	350	**2600**
	06/12/12	HEAL	**3300**	< 50	230	**1600**
	07/23/13	HEAL	**5100**	< 50	390	**3000**

Table 2. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

			BTEX Concentration (ug/L)			
Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
NMWQCC Standard			*10*	*750*	*750*	*620*
5-17B	08/90	AS	< 1	< 1	< 1	< 1
	01/91	EH	< 0.50	< 0.50	< 0.50	< 0.50
	01/08/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	11/20/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/27/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/11/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	04/28/99	OAL	< 1	< 1	< 1	< 1
	05/12/00	OAL	< 1	< 2	< 2	< 4
	05/23/01	Analysys	< 1	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/05	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	07/10/06	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	08/04/09	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
5-18B	08/90	AS	**1100**	14	< 1	220
	01/91	EH	**1300**	< 25	< 25	170
	01/08/92	ER	**1100**	< 25	< 25	88
	04/22/93	ATI-A	**360**	< 0.5	0.5	2.6
	11/17/95	HEAL	**240**	24	22	53
	02/21/96	HEAL	**290**	54	37	110
	02/27/97	HEAL	9.4	5.2	64	1.5
	02/11/98	HEAL	0.9	6.4	120	1.1
	04/28/99	OAL	2	< 1	< 1	2.0
	05/12/00	OAL	**10**	< 2	12	14
	05/24/01	Analysys	2.92	< 1	< 1	< 2
	04/20/02	HEAL	0.55	< 0.50	0.72	0.89
	05/22/03	HEAL	< 0.50	5.9	< 0.50	2.5
	06/08/04	HEAL	< 0.50	< 0.50	0.91	1.2
	06/08/05	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	07/10/06	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	08/04/09	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	05/18/10	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	09/25/11	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	06/12/12	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	07/23/13	HEAL	< 1.0	< 1.0	< 1.0	< 2.0

Table 2. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

			BTEX Concentration (ug/L)			
Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
NMWQCC Standard			*10*	*750*	*750*	*620*
5-19B	08/90	AS	**190**	3.5	5.8	44
	11/90	EH	**180**	11	< 10	< 20
	01/91	EH	**150**	< 0.30	0.60	15
	02/91	EH	**200**	5.8	< 2.5	14
	03/91	EH	**200**	30	180	**880**
	04/91	EH	**290**	< 25	210	**880**
	05/91	EH	**240**	< 0.50	0.71	21
	06/91	EH	**290**	7.5	2.2	22
	07/91	EH	**240**	< 0.50	0.58	14
	10/91	ER	**140**	< 2.5	< 2.5	12
	01/08/92	ER	**240**	< 5.0	< 5.0	9.0
	02/20/92	ER	**150**	< 2.5	< 2.5	4.2
	03/19/92	ATI-P	**140**	< 0.5	< 0.5	5.9
	04/29/92	ATI-P	**190**	< 0.5	< 0.5	4.3
	10/13/92	ATI-P	**130**	< 0.5	< 0.5	4.4
	10/05/95	HEAL	1.0	0.7	< 0.5	< 0.5
	11/20/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/21/96	HEAL	0.9	0.8	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/14/96	HEAL	0.7	0.6	< 0.5	< 0.5
	11/21/96	HEAL	0.9	0.6	< 0.5	< 0.5
	02/27/97	HEAL	1.3	1	< 0.5	0.7
	05/21/97	HEAL	1.2	1	< 0.5	< 0.5
	08/20/97	HEAL	1.7	1.3	0.6	< 0.5
	11/17/97	HEAL	2.5	2.0	0.9	0.7
	02/11/98	HEAL	2.3	1.8	0.8	0.7
	06/10/98	HEAL	1.5	1.4	1.5	0.6
	10/01/98	HEAL	7.4	3.9	1.6	2.9
	04/28/99	OAL	**43**	< 1	1	3
	10/12/99	OAL	**13**	< 2	< 2	< 4
	05/12/00	OAL	**16**	< 2	3	4
	11/17/00	NCA	1.03	< 0.500	1.88	< 1.00
	05/24/01	Analysys	< 1	< 1	1.17	< 2
	11/17/01	Analysys	< 1	< 1	< 1	**<2**
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

Table 2. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

			BTEX Concentration (ug/L)			
Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
NMWQCC Standard			*10*	*750*	*750*	*620*
5-20B	08/90	AS	**58**	8.0	< 1	51
	01/91	EH	**93**	14	< 1.0	23
	01/08/92	ER	**31**	< 1.2	< 1.2	6.7
	04/21/93	ATI-A	**14**	< 0.5	6.1	10
	11/17/95	HEAL	**12**	2.3	< 0.5	2.6
	05/21/96	HEAL	1.7	1.3	0.8	< 0.5
	02/27/97	HEAL	**12**	1.3	1.8	3.3
	02/11/98	HEAL	< 0.5	1.3	2.3	0.5
	04/28/99	OAL	< 1	< 1	1	< 1
	05/12/00	OAL	1	< 2	2	< 4
	05/24/01	Analysys	3.28	< 1	< 1	< 2
	04/19/02	HEAL	0.86	< 0.50	< 0.50	< 0.50
	05/22/03	HEAL	1.0	0.91	< 0.50	< 0.50
	06/08/04	HEAL	1.1	< 0.50	< 0.50	< 0.50
	06/08/05	HEAL	1.0	0.53	< 0.50	< 0.50
	07/12/06	HEAL	1.3	< 1	< 1	< 3
	07/25/07	HEAL	< 1	< 1	< 1	< 2
	09/23/08	HEAL	< 1	< 1	< 1	< 2
	08/04/09	HEAL	< 1	< 1	< 1	< 2
	05/18/10	HEAL	< 1	< 1	< 1	< 2
	09/25/11	HEAL	< 1	< 1	< 1	< 2
	06/12/12	HEAL	< 1	< 1	< 1	< 2
	07/23/13	HEAL	< 1	< 1	< 1	< 2
5-22B	10/90	AS	< 1	< 1	< 1	< 1
	01/91	EH	< 0.50	< 0.50	< 0.50	< 0.50
	01/10/92	ER	< 0.50	< 0.50	< 0.50	< 0.50
	12/12/94	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/15/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/27/97	HEAL	5.6	9.3	< 0.5	65
	11/18/97	HEAL	3.8	2.3	< 0.5	0.6
5-23B	10/90	AS	5.3	< 1	< 1	< 1
	01/91	EH	3.0	< 0.50	< 0.50	< 0.60
	01/07/92	ER	0.65	< 0.50	< 0.50	< 0.50
	11/16/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/22/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/26/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/10/98	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	04/27/99	OAL	< 1	< 1	< 1	< 1
	05/11/00	OAL	< 1	< 2	< 2	< 4
	05/23/01	Analysys	< 1	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/20/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

Table 2. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

			BTEX Concentration (ug/L)			
Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
NMWQCC Standard			*10*	*750*	*750*	*620*
5-24B	10/90	AS	**63**	< 1	2.0	1.6
	01/91	EH	**40**	0.55	0.74	< 1.0
	01/07/92	ER	**120**	< 2.5	< 2.5	< 2.5
	04/21/93	ATI-P	< 0.5	< 0.5	0.7	1.4
	11/17/95	HEAL	1.2	0.8	0.5	1.0
	05/21/96	HEAL	< 0.5	0.9	< 0.5	0.7
	02/26/97	HEAL	0.9	0.6	1	1.8
	02/10/98	HEAL	0.5	< 0.5	0.7	< 0.5
	04/27/99	OAL	< 1	< 1	< 1	< 1
	05/11/00	OAL	< 1	< 2	< 2	< 4
	05/23/01	Analysys	< 1	< 1	< 1	< 2
	04/19/02	HEAL	< 0.50	< 0.50	< 0.50	0.59
	05/20/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
5-34B	01/07/92	ER	**120**	< 2.5	< 2.5	< 2.5
	04/21/93	ATI-A	< 0.5	< 0.5	0.7	1.4
	12/13/94	HEAL	**4700**	**13,000**	460	**5,900**
5-35B	04/22/93	ATI-A	**360**	**1400**	130	**1700**
	05/18/10	HEAL	**5700**	< 100	310	**1900**
	09/25/11	HEAL	**3700**	< 100	170	**900**
	06/12/12	HEAL	**4000**	< 100	190	**1200**
	07/23/13	HEAL	**4100**	< 100	180	**1200**
5-36E	12/14/94	HEAL	**620**	**2700**	230	**3300**
5-37I	02/22/96	HEAL	**640**	520	24	**990**
	08/15/96	HEAL	**310**	54	14	430
	11/22/96	HEAL	**440**	140	20	520
5-41B	10/09/92	ATI-P	**47**	3.9	0.7	1.0
	04/20/93	ATI-A	1.4	< 0.5	2.5	2.1
	11/16/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/25/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/18/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
5-47B	10/07/92	ATI-P	1.0	< 0.5	< 0.5	< 0.5
	04/20/93	ATI-A	2.9	< 0.5	< 0.5	< 0.5
	11/15/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/26/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/18/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5

Table 2. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

			BTEX Concentration (ug/L)			
Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
NMWQCC Standard			*10*	*750*	*750*	*620*
5-48B	10/12/92	ATI-P	**380**	**1100**	84	**840**
	04/21/93	ATI-A	**99**	390	34	360
	11/20/95	HEAL	**820**	**1700**	390	**2600**
	02/21/96	HEAL	**690**	**1100**	550	**3300**
	02/27/97	HEAL	**1100**	**10000**	430	**4700**
	02/11/98	HEAL	**2100**	**8000**	460	**4600**
	04/28/99	OAL	**1700**	**4400**	140	**3100**
	05/12/00	OAL	**1400**	680	270	**2200**
	05/22/01	Analysys	**683**	194	28.8	**1703**
	04/20/02	HEAL	**1100**	23	190	**1700**
	05/21/03	HEAL	**2100**	< 50	320	**2700**
	06/07/04	HEAL	**3400**	38	420	**3200**
	06/09/05	HEAL	**2500**	< 25	200	**1500**
5-57B	04/19/93	ATI-A	< 0.5	< 0.5	< 0.5	< 0.5
	11/15/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/25/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/18/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
5-58B	04/19/93	ATI-A	< 0.5	< 0.5	< 0.5	< 0.5
	11/16/95	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	05/21/96	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	02/25/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	08/18/97	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
5-59	07/28/01	Analysys	< 1	< 1	< 1	< 2
	11/19/01	Analysys	< 1	< 1	< 1	< 2
	04/20/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/09/05	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	07/11/06	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	08/04/09	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	05/18/10	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	09/25/11	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	06/12/12	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	07/23/13	HEAL	< 1.0	< 1.0	< 1.0	< 2.0

Table 2. Summary of Analytical Results for BTEX Compounds
Thoreau Compressor Station No. 5

			BTEX Concentration (ug/L)			
Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
NMWQCC Standard			*10*	*750*	*750*	*620*
5-60	11/18/01	Analysys	< 1	< 1	< 1	< 2
	04/20/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/21/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/09/05	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	07/11/06	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	07/25/07	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	09/23/08	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	08/04/09	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
SVE-1	05/11/00	OAL	< 1	< 2	< 2	< 4
	11/18/01	Analysys	< 1	< 1	< 1	< 2
	04/18/02	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	05/22/03	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	06/08/04	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
SVE-3	05/18/10	HEAL	**6300**	< 50	430	**3900**
	09/25/11	HEAL	**6300**	< 100	380	**3300**
	06/12/12	HEAL	**5400**	< 100	240	**3500**
	07/23/13	HEAL	**6200**	< 100	280	**2700**
† Lab Designations						
ABB = ASEA Brown Boveri						
AEN = American Environmental Network, Inc. (Albuquerque)						
AS = Assaigai Laboratories (Albuquerque)						
ATI-A = Analytical Technologies, Inc. (Albuquerque)						
ATI-P = Analytical Technologies, Inc. (Phoenix)						
ER = Enseco (Rocky Mountain Analytical)						
EH = Enseco (Houston)						
HEAL = Hall Environmental Analysis Laboratory (Albuquerque)						
OAL = Oregon Analytical Laboratory (Portland, OR)						
NCA = North Creek Analytical (Portland, OR)						
Analysys = Analysys Inc. (Austin, TX)						
NA = Not Analyzed						

Table 3. Summary of Analytical Results for PCB Compounds
Thoreau Compressor Station No. 5

Well ID	*Date*	*Lab †*	*PCB Concentration by Aroclor (µg/L)*						
			1016	*1221*	*1232*	*1242*	*1248*	*1254*	*1260*
NMWQCC Standard			*1.0*						
5-01B	08/89	ER	**2.1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/89	ER	< 1.0	< 1.0	< 1.0	**2.0**	< 1.0	< 1.0	< 1.0
	03/90	ER	< 1.0	**94**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/90	ER	< 1.0	< 1.0	< 1.0	**11**	< 1.0	< 1.0	< 1.0
	08/90	AS	< 1.0	< 1.0	< 1.0	**2.0**	< 1.0	< 1.0	< 1.0
	11/90	EH	< 1.0	< 1.0	< 1.0	**5.5**	< 1.0	< 1.0	< 1.0
	01/91	EH	< 1.0	< 1.0	< 1.0	**28**	< 1.0	< 1.0	< 1.0
	02/91	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	03/91	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	04/91	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/91	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/91	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/91	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/91	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/91	ER	< 1.0	**210**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/91	ER	< 1.0	**76**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/91	ER	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	01/09/92	ER	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	01/27/92	ER	< 1.0	**67**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/20/92	ER	< 1.0	**82**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	03/18/92	ATI-P	< 1.0	**54**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	04/29/92	ATI-P	< 1.0	**71**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/92	ATI-P	< 1.0	**82**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/13/94	ATI-P	**4.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/27/95	NET	< 1.0	< 1.0	< 1.0	**4.18**	< 1.0	< 1.0	< 1.0
	10/06/95	NET	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/21/95	NET	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/22/96	NET	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	04/17/96	NET	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	04/17/96	PA	< 1.0	**0.93**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/24/96	NET	< 1.0	**34**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/15/96	NET	< 1.0	**14.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/22/96	EPIC	< 1.0	**15.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/28/97	EPIC	< 1.0	**15.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/22/97	EPIC	< 1.0	**11.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/21/97	EPIC	< 1.0	**18.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3. Summary of Analytical Results for PCB Compounds
Thoreau Compressor Station No. 5

Well ID	*Date*	*Lab †*	*PCB Concentration by Aroclor (µg/L)*						
			1016	*1221*	*1232*	*1242*	*1248*	*1254*	*1260*
NMWQCC Standard			*1.0*						
5-01C	11/23/97	EPIC	< 1.0	**79.7**	< 1.0	**49.0**	< 1.0	< 1.0	< 1.0
	01/08/98	HEAL	< 1.0	**38**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/98	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/11/98	HEAL	< 1.0	**38**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/02/98	HEAL	< 1.0	**10**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	04/29/99	OAL	**3.8**	**9.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/99	OAL	**4.9**	**3.5**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/12/00	OAL	**2.7**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/00	NCA	< 0.5	< 1.0	< 0.5	**1.9**	< 0.5	< 0.5	< 0.5
	05/22/01	Analysys	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/01	Analysys	--	< 0.5	< 0.5	**13.5**	< 0.5	< 0.5	< 0.5
	04/20/02	NCA	< 0.5	**1.37**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/30/02	HEAL	**1.5**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/21/03	HEAL	--	**2.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/10/03	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/07/04	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/08/05	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/11/06	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/25/07	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/23/08	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/04/09	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3. Summary of Analytical Results for PCB Compounds
Thoreau Compressor Station No. 5

Well ID	*Date*	*Lab †*	*PCB Concentration by Aroclor (µg/L)*						
			1016	*1221*	*1232*	*1242*	*1248*	*1254*	*1260*
NMWQCC Standard			*1.0*						
5-06B	10/89	ER	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/89	ER	< 1.0	**180**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	01/90	ER	< 1.0	**100**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	04/90	ER	< 1.0	**170**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/90	ER	< 1.0	< 1.0	< 1.0	**39**	< 1.0	< 1.0	< 1.0
	08/90	AS	< 1.0	< 1.0	< 1.0	**1.1**	< 1.0	< 1.0	< 1.0
	11/90	EH	< 1.0	< 1.0	< 1.0	**65**	< 1.0	< 1.0	< 1.0
	01/91	EH	< 1.0	< 1.0	< 1.0	**39**	< 1.0	< 1.0	< 1.0
	02/91	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	03/91	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	04/91	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/91	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/91	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/91	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/91	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/91	ER	< 1.0	**250**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/91	ER	< 1.0	**140**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/91	ATI	< 1.0	**210**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/91	ER	< 1.0	**270**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	01/09/92	ER	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	01/27/92	ER	< 1.0	**190**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/20/92	ER	< 1.0	**200**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	03/18/92	ATI-P	< 1.0	**140**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	04/29/92	ATI-P	< 1.0	**150**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/92	ATI-P	< 1.0	**280**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/14/94	NET	**88**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/27/95	NET	< 1.0	< 1.0	< 1.0	**26.3**	< 1.0	< 1.0	< 1.0
	10/06/95	NET	< 1.0	< 1.0	< 1.0	**30.1**	< 1.0	< 1.0	< 1.0
	11/21/95	NET	< 1.0	< 1.0	< 1.0	**44.4**	< 1.0	< 1.0	< 1.0
	02/22/96	NET	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	04/17/96	NET	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/23/96	NET	< 1.0	**78**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/15/96	NET	< 1.0	**166.7**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
(split sample)	08/15/96	AEN	< 1.0	**260**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/22/96	EPIC	< 1.0	**42.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/28/97	EPIC	< 1.0	**48.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/22/97	EPIC	< 1.0	**7.29**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/20/97	EPIC	< 1.0	**16.5**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3. Summary of Analytical Results for PCB Compounds
Thoreau Compressor Station No. 5

Well ID	*Date*	*Lab †*	*PCB Concentration by Aroclor (µg/L)*						
			1016	*1221*	*1232*	*1242*	*1248*	*1254*	*1260*
NMWQCC Standard			*1.0*						
5-06C	11/23/97	EPIC	< 0.5	**160**	< 0.5	**114**	< 0.5	< 0.5	< 0.5
	12/09/97	HEAL	< 0.5	< 0.5	**65**	< 0.5	< 0.5	< 0.5	< 0.5
	01/08/98	HEAL	< 0.5	**220**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	02/12/98	HEAL	< 0.5	**320**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	06/11/98	HEAL	< 0.5	**180**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/02/98	HEAL	< 0.5	**29**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	04/29/99	OAL	**7.1**	**320**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/14/99	OAL	**14**	**300**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	05/13/00	OAL	**7.2**	< 0.5	< 0.5	**266**	< 0.5	< 0.5	< 0.5
	11/17/00	NCA	< 0.5	< 1.0	< 0.5	**5.23**	< 0.5	< 0.5	< 0.5
	05/22/01	Analysys	--	< 0.5	< 0.5	**3.1**	< 0.5	< 0.5	< 0.5
	11/18/01	Analysys	--	< 0.5	< 0.5	**43.7**	< 0.5	< 0.5	< 0.5
	04/20/02	NCA	< 10.0	**150**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	10/30/02	HEAL	--	**41**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/21/03	HEAL	--	**5.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/10/03	HEAL	**1.7**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/07/04	HEAL	**2.8**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/05	HEAL	**2.2**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/11/06	HEAL	**1.5**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/25/07	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	**1.1**	< 1.0	< 1.0
	09/23/08	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/04/09	HEAL	**1.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/18/10	HEAL	**4.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/25/11	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/12/12	HEAL	< 1.0	< 1.0	< 1.0	**3.1**	< 1.0	< 1.0	< 1.0
	07/10/12	HEAL	< 1.0	< 1.0	< 1.0	**1.2**	< 1.0	< 1.0	< 1.0
	07/23/13	HEAL	< 1.0	< 1.0	< 1.0	**1.2**	< 1.0	< 1.0	< 1.0

Table 3. Summary of Analytical Results for PCB Compounds
Thoreau Compressor Station No. 5

Well ID	*Date*	*Lab †*	*PCB Concentration by Aroclor (µg/L)*						
			1016	*1221*	*1232*	*1242*	*1248*	*1254*	*1260*
NMWQCC Standard			*1.0*						
5-17B	05/12/00	OAL	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/00	NCA	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	05/23/01	Analysys	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/01	Analysys	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	04/19/02	NCA	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/31/02	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/22/03	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/03	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/08/04	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/08/05	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/10/06	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/25/07	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/23/08	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/04/09	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
5-59	07/28/01	Analysys	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/01	Analysys	--	< 0.5	< 0.5	**30.7**	< 0.5	< 0.5	< 0.5
	04/20/02	NCA	< 10.0	**78.6**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	10/30/02	HEAL	--	**19**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/21/03	HEAL	--	**14**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/03	HEAL	**11**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/08/04	HEAL	**10**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/05	HEAL	**4.6**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/11/06	HEAL	**3.4**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/25/07	HEAL	**1.8**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/23/08	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/04/09	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/18/10	HEAL	**1.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/25/11	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/12/12	HEAL	< 1.0	< 1.0	< 1.0	**2.6**	< 1.0	< 1.0	< 1.0
	07/10/12	HEAL	< 1.0	< 1.0	< 1.0	**1.0**	< 1.0	< 1.0	< 1.0
	07/23/13	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3. Summary of Analytical Results for PCB Compounds
Thoreau Compressor Station No. 5

Well ID	*Date*	*Lab †*	*PCB Concentration by Aroclor (µg/L)*						
			1016	*1221*	*1232*	*1242*	*1248*	*1254*	*1260*
NMWQCC Standard			*1.0*						
5-60	11/18/01	Analysys	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	04/20/02	NCA	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/31/02	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/22/03	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/03	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/08/04	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/05	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/11/06	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/25/07	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/23/08	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/04/09	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Notes:
† Lab Designations
OAL = Oregon Analytical Laboratory (Portland, OR)
NCA = North Creek Analytical (Portland, OR)
Analysys = Analysys Inc. (Austin, TX)
HEAL = Hall Environmental Analysis Laboratory (Albuquerque, NM)
†† Total PCB for purpose of this summary table and plotting is the sum of all measured Aroclor concentrations.
Values reported as Non Detect are reported as zero.

Table 4. Summary of Field Measured Parameters
Thoreau Compressor Station No. 5

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature ℃*	*Electrical Conductivity (mmhos)*	*Remarks*
5-01B	11/21/95	3.8	7.37	12.8	1314	Muddy, no odor
	02/21/96	7.5	7.40	11.9	960	Turbid, no odor
	02/27/97	4.57	7.49	7.7	820	Turbid
	08/20/97	NM	7.29	14.7	1312	Turbid, no odor
5-01C	11/23/97	5.5	7.59	14.9	1252	Clear
	02/12/98	3.4	7.86	11.3	1137	Clear
	04/29/99	--/2.8	7.67	13.1	1262	Clear
	05/12/00	0.0/1.2	7.57	12.8	1390	Clear
	05/22/01	2.6/2.6	7.48	14.0	1510	Clear
	04/20/02	3.2	7.50	14.5	1494	Clear
	05/21/03	3.5	7.43	15.7	1571	Clear
	06/07/04	2.7	7.43	14.5	1637	Clear
	06/08/05	---	7.39	14.1	1658	---
	07/11/06	3.3	7.28	13.4	1318	Clear
	07/25/07	3.3	7.61	13.4	1300	Clear
	09/23/08	3.0	7.88	13.0	1310	Clear
	08/04/09	3.9	7.08	14.2	1718	Cloudy
5-02B	11/21/95	2.1	6.89	14.5	920	Slightly cloudy, HC odor
	02/22/96	4.0	7.14	11.9	1010	Colorless, suspended black silt, HC odor
	02/28/97	2.17	7.20	9.6	990	Clear
5-02C	11/24/97	3.0	7.24	12.5	1439	Turbid, Reddish
	02/11/98	0.9	7.24	10.1	1397	Clear
	04/28/99	--/0.8	7.10	13.4	1756	Clear, Strong HC odor
	05/13/00	0.9	7.11	13.4	1821	Clear, strong odor
	05/24/01	2.6/1.6	7.11	15.8	1800	Clear, odor
	04/20/02	1.5	7.15	15.0	1829	Cloudy, sweet odor
	05/22/03	1.2	7.10	16.4	1833	Cloudy, odor
	06/08/04	1.3	7.04	15.9	1934	Clear
	06/09/05	---	7.04	14.3	1984	---
	09/25/11	--	--	--	--	sheen, odor, very turbid, bailing down
	07/10/12	--	--	--	--	sheen, odor, very turbid, bailing down
	07/23/13	--	--	--	--	pulled in psh, odor, very turbid
5-03B	11/15/95	8.0	7.59	14.0	860	Clear, no odor
	05/20/96	7.0b	8.26	13.4	1282	Turbid
	02/24/97	5.74/7.0	7.77	10.2	980	Turbid
	02/10/98	8.17	7.36	12.5	1000	Turbid
	04/27/99	8.6	7.72	13.8	1357	Redish silt, Turbid
	05/11/00	7.6/7.5	7.78	13.1	1311	Redish turbid
	05/22/01	8.5/8.0	7.79	14.1	1314	Redish turbid
	04/18/02	8.2	7.81	14.9	1347	Red sand, turbid
	05/20/03	8.1	7.74	16.0	1415	Red sand, turbid
	06/07/04	2.7	7.65	14.2	1450	Red sand, turbid
5-04B	11/17/95	NM	7.15	14.6	1097	Clear, moderate HC odor
	11/17/00	1.9	7.57	12.1	1851	Bailed dry @ 0.3 gals, turbid
	05/22/01	2.7/2.6	7.54	16.1	1994	Bailed dry @ 0.3 gals, turbid
	04/19/02	4.8	7.48	17.0	1974	Turbid, Bailed dry @ 0.15 gal
	05/21/03	7.1	7.52	18.5	1966	Clear, Bailed dry @ 0.08 gal
	11/10/03	8.9	7.85	14.9	1669	Muddy, Bailed dry @ 0.07 gal

Table 4. Summary of Field Measured Parameters
Thoreau Compressor Station No. 5

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature ℃*	*Electrical Conductivity (mmhos)*	*Remarks*
5-05B	11/17/95	2.9	7.04	13.0	1350	Clear, moderate HC odor
	05/22/96	1.4	7.36	13.8	1419	Clear, no odor
	02/25/97	2.86	7.46	8.2	890	Cloudy, HC odor
	10/13/99	7.1	7.42	13.2	1512	Clear
	05/11/00	2.2/2.4	7.38	13.3	1565	Cloudy
	05/22/01	2.5	7.37	14.4	1578	Cloudy, bailing down
	04/18/02	0.8	7.41	17.9	1444	Turbid (muddy water)
	05/21/03	1.0	7.29	15.8	1515	Turbid (muddy water)
	06/08/04	1.0	7.21	13.9	1555	Cloudy
5-06B	11/21/95	3.2	7.51	14.0	880	Slightly cloudy, no HC odor
	02/22/96	7.2	7.71	12.6	880	Clear, slight HC ordor
	02/28/97	1.11	7.78	11.7	895	Clear
	08/20/97	2.7/2.2	7.62	14.2	1140	Clear
5-06C	11/23/97	0.5/0.8	7.67	14.3	1181	Turbid
	02/12/98	0.0	7.75	11.9	1072	Clear
	04/29/99	--/1.0	7.55	12.8	1135	Clear
	05/13/00	0.4/0.6	7.65	13.2	1178	Clear
	05/22/01	0.9	7.61	13.9	1252	Turbid
	04/20/02	1.4	7.64	14.4	1256	Clear
	05/21/03	1.7	7.47	15.2	1432	Cloudy
	06/07/04	1.4	7.43	14.4	1441	Turbid
	06/09/05	---	7.34	12.7	1560	---
	07/11/06	2.0	7.42	13.7	1145	Clear
	07/25/07	3.0	7.57	13.0	1094	Clear
	09/23/08	3.1	7.88	13.2	1115	Clear
	08/04/09	2.8	7.06	13.4	1461	Clear
	05/18/10	2.9	6.83	12.6	1538	Clear
	09/25/11	6.9	7.24	13.8	1351	Cloudy
	06/12/12	3.6	7.00	13.3	1469	Clear
	07/10/12	3.7	7.15	13.2	1455	Clear
	07/23/13	3.1	6.80	13.3	1517	Clear
5-12B	11/16/95	6.5	7.38	13.9	900	Clear, no odor
	05/24/96	8.0	7.44	15.0	870	Clear
	02/26/97	4.78/6.5	7.58	11.8	895	Clear
	02/11/98	6.2 /7.0	7.70	11.3	1114	Clear
	04/27/99	7.8	7.70	12.8	1240	Clear
	05/11/00	6.7	7.83	14.4	1248	Clear
	05/23/01	6.7	7.78	15.2	1251	Clear
	04/19/02	7.4	8.04	15.1	1241	Clear
	05/20/03	8.6	8.00	15.8	1242	Clear
	06/08/04	3.9	8.03	16.3	1323	Clear
5-13B	11/20/95	4.3	7.59	13.9	800	Clear, HC odor
	02/21/96	4.2	7.67	13.8	840	Clear, HC odor
	02/26/97	1.51	7.53	11.9	850	Clear
	02/11/98	1.3/1.0	7.81	11.0	1077	Clear, Odor
	04/27/99	--	7.54	12.8	1223	Clear, HC odor
	05/11/00	0.1/0.8	7.50	13.2	1274	Clear
	05/23/01	2.3	7.47	14.1	1296	Clear
	04/19/02	1.9	7.49	15.2	1267	Cloudy
	05/20/03	1.9	7.44	15.5	1263	Clear
	06/08/04	1.5	7.95	16.4	1330	Clear

Table 4. Summary of Field Measured Parameters
Thoreau Compressor Station No. 5

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature ℃*	*Electrical Conductivity (mmhos)*	*Remarks*
5-14B	11/16/95	8.0	8.03	14.6	1056	Very slightly cloudy
	05/21/96	9.8a	8.01	13.9	1011	Clear
	02/26/97	--/6.5	7.87	10.5	931	Clear, no odor
	02/10/98	8.12	6.91	10.2	630	Clear
	04/27/99	7.5/6.5	7.79	13.3	1058	Turbid
	05/11/00	7.3	7.85	13.0	1014	Clear
	05/24/01	8.1	7.86	14.3	1027	Clear
	04/19/02	6.9	7.86	15.5	1148	Turbid
	05/22/03	7.2	7.79	16.1	1168	Cloudy
	06/08/04	3.4	7.82	16.2	1246	Red Cloudy
5-15B	11/16/95	6.9	7.98	12.5	982	Clear, no odor
	05/22/96	4.9	7.67	13.0	710	Clear
	02/26/97	--/6.8	7.82	11.4	977	Clear, no odor
	02/11/98	6.22/7.0	7.39	13.1	720	Slightly Turbid
	04/28/99	--/7.0	7.73	13.0	1022	Cloudy
	05/12/00	8.1	7.65	13.1	1008	Clear
	05/24/01	6.4	7.77	14.6	1049	Clear
	04/19/02	6.0	7.79	15.6	1116	Clear
	05/22/03	5.2	7.73	17.0	1150	Clear
	06/08/04	3.1	7.69	15.2	1159	Cloudy
5-16B	11/20/95	2.4	7.50	13.0	800	Clear, strong HC odor
	02/21/96	3.5	7.58	13.8	840	Clear, HC odor
	02/27/97	2.31	7.52	12.0	1131	Clear, strong HC odor
	02/11/98	2.78	7.16	11.6	840	Clear, HC odor, film/sheen
	04/28/99	--	--	--	--	Clear w/sheen, turns blk, PSH odor
	05/12/00	--	--	--	--	Clear w/blk particulates, sheen, strong odor
	05/24/01	--	--	--	--	Clear w/blk particulates, sheen, strong odor
	04/20/02	--	--	--	--	Clear w/blk suspended solids, sheen
	05/22/03	--	--	--	--	Clear w/blk suspended solids, sheen
	06/08/04	1.47	7.76	15.60	544	Brackish, strong odor
	06/08/05	---	7.67	15.30	1566	Strong odor
	07/10/06	--	--	--	--	Clear w/blk suspended solids, sheen
	07/25/07	--	--	--	--	Clear w/blk suspended solids, sheen
	09/23/08	--	--	--	--	Clear w/blk suspended solids, sheen
	08/04/09	--	--	--	--	Clear w/blk suspended solids, sheen
	05/18/10	--	--	--	--	Clear w/blk suspended solids, sheen,odor
	09/25/11	--	--	--	--	bailed down, turbid, odor, sheen, blk
	06/12/12	--	--	--	--	bailed down, turbid, odor, sheen, blk
	07/23/13	--	--	--	--	bailed down, turbid, odor, sheen, blk
5-17B	11/20/95	7.4	7.65	13.4	1525	Clear, no odor
	05/22/96	6.4	7.44	12.5	1005	Clear
	02/27/97	4.57	7.64	11.6	930	Clear
	02/11/98	NM	7.25	10.2	910	Clear
	04/28/99	--/7.8	7.69	13.7	1344	Clear
	05/12/00	8.2	7.76	12.9	1363	Clear
	05/23/01	9.2/8.0	7.73	14.6	1405	Clear
	04/19/02	8.4	7.80	14.8	1401	Clear
	05/22/03	8.6	7.71	15.7	1383	Clear
	06/08/04	3.3	7.44	14.9	1529	Clear
	06/08/05	---	7.36	13.9	1816	---
	07/10/06	3.2	7.25	13.1	1597	Clear
	07/25/07	4.7	7.48	13.6	1557	Clear
	09/23/08	5.6	7.83	13.1	1583	Clear
	08/04/09	5.9	7.02	13.7	2005	Clear

Table 4. Summary of Field Measured Parameters
Thoreau Compressor Station No. 5

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature ℃*	*Electrical Conductivity (mmhos)*	*Remarks*
5-18B	11/17/95	1.4	7.68	14.0	720	Clear, HC odor
	02/21/96	5.6	7.76	12.2	760	Clear, HC odor
	02/27/97	1.29	7.78	11.7	988	Clear, HC odor
	02/11/98	2.28	7.33	12.8	790	Clear, HC odor
	04/28/99	--/1.4	7.53	12.7	1144	Clear, HC odor
	05/12/00	2.4	7.54	13.4	1198	Clear, Odor
	05/24/01	3.8	7.51	15.7	1264	Clear
	04/20/02	2.0	7.61	14.5	1124	Clear
	05/22/03	1.6	7.52	15.6	1117	Clear, Odor
	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	Clear
	07/25/07	1.3	7.59	14.8	962	Clear
	09/23/08	2.9	7.91	14.5	989	Clear
	08/04/09	1.1	7.04	15.2	1233	Clear w/susp. solids, Bailed down
	05/18/10	1.7	6.78	13.2	1341	Turbid, bailing down
	09/25/11	2.1	7.10	13.5	1389	Turbid
	06/12/12	2.1	6.97	13.5	1362	Turbid
	07/23/13	2.4	6.93	14.2	1363	Turbid
5-19B	11/20/95	2.00	7.68	13.0	700	Clear, slight HC odor
	02/21/96	4.4	7.81	12.7	730	Clear, HC odor
	02/27/97	1.9/1.8	7.83	10.2	951	Clear, HC odor
	02/11/98	2.26	7.47	12.0	710	Clear, HC odor
	04/28/99	--/0.4	7.89	12.7	982	Clear, HC odor
	05/12/00	0.6/0.8	7.89	13.0	986	Clear, slight odor
	05/24/01	1.8/1.6	7.93	14.9	1007	Clear
	04/19/02	0.7	8.00	15.1	1038	Clear
	05/22/03	1.0	7.88	16.2	1094	Clear
	06/08/04	1.5	7.87	15.0	1147	Cloudy
5-20B	11/17/95	2.9	7.16	13.7	1200	Clear, slight HC odor
	05/22/96	1.8	7.18	14.4	1120	Clear
	02/27/97	1.51	7.21	11.1	1120	Slightly Cloudy
	02/11/98	0.00	7.35	10.9	1369	Clear
	04/28/99	--/0.8	7.30	13.4	1362	Clear
	05/12/00	0.5/0.6	7.25	12.7	1325	Clear, slight odor
	05/24/01	1.1/0.8	7.48	14.4	1290	Clear, slight odor
	04/19/02	0.7	7.49	14.9	1275	Clear
	05/22/03	0.5	7.42	15.7	1306	Clear
	06/08/04	1.6	7.41	13.9	1332	Clear
	06/08/05	---	7.43	15.0	1347	---
	07/10/06	1.3	7.46	13.5	1030	Clear
	07/25/07	1.3	7.55	14.3	1028	Clear
	09/23/08	1.9	7.88	13.6	1032	Clear
	08/04/09	0.3	6.99	14.1	1335	Clear
	05/18/10	2.1	6.99	12.9	1419	Clear
	09/25/11	1.9	7.17	13.3	1401	Turbid
	06/12/12	1.6	7.03	13.4	1390	Clear
	07/23/13	1.7	6.89	13.4	1353	Clear
5-22B	11/15/95	6.4	7.70	12.9	990	Clear, no odor
	02/22/96	6.6	7.47	12.3	1030	Turbid, very light brown, no odor
	02/27/97	3.53	7.39	10.0	1180	Turbid, HC odor
	11/18/97	--/1.8	7.80	13.6	1740	Turbid, slight odor

Table 4. Summary of Field Measured Parameters
Thoreau Compressor Station No. 5

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature ℃*	*Electrical Conductivity (mmhos)*	*Remarks*
5-23B	11/16/95	3.8	7.31	13.3	800	Clear, no odor
	05/22/96	2.6	7.66	13.0	1077	Clear
	02/26/97	--/3.4	7.73	11.8	1018	Clear, no odor (3.4 DO is low range of Hach)
	02/10/98	1.0	7.77	10.7	928	Clear
	04/27/99	2.6/2.0	7.72	12.9	1015	Clear
	05/11/00	1.5/1.8	7.77	13.0	1035	Clear
	05/23/01	2.1	7.72	14.0	1084	Clear
	04/19/02	1.5	7.72	15.0	1103	Clear
	05/20/03	1.2	7.71	15.6	1112	Clear
	06/08/04	1.6	7.63	14.3	1131	Clear
5-24B	11/17/95	1.7	7.33	13.2	1050	Slight cloudy, HC odor
	05/21/96	3.5	7.41	13.9	1050	Clear
	02/26/97	--/1.4	7.42	11.6	1468	Clear, slight odor
	02/10/98	3.2/3.0	7.44	11.2	1392	Slightly turbid
	04/27/99	9.7/8.0	7.37	14.1	1501	Slightly Cloudy
	05/11/00	4.8	7.43	13.5	1454	Cloudy
	05/23/01	2.9	7.52	15.0	1475	Turbid, redish color
	04/19/02	2.2	7.56	15.0	1426	Very turbid, red sand
	05/20/03	1.3	7.51	15.4	1397	Turbid
	06/08/04	2.8	7.68	15.4	1428	Turbid
5-35B	05/18/10	1.6	6.48	15.1	1834	Black, odor, flim like sheen
	09/25/11	1.5	6.96	17.5	1554	Black, odor, sups. solids
	06/12/12	1.7	6.84	15.8	1643	Turbid, odor, light sheen
	07/23/13	--	--	--	--	Black, odor, sheen, bailed down
5-37I	08/15/96	1.67	8.48	17.2	1382	Turbid, green cloudy color, strong HC odor
	11/22/96	NM	7.70	14.9	1080	Greenish black, strong HC odor
5-41B	11/16/95	2.00	7.28	14.5	940	Clear, no odor
	05/21/96	1.82	7.41	15.8	920	Clear
	02/25/97	1.65	7.43	12.5	930	Clear
	08/18/97	--/2.2	7.55	14.1	1285	Clear
5-47B	11/15/95	2.50	7.83	13.0	900	Slightly cloudy, no odor
	05/21/96	4.70	7.54	14.6	1080	Clear
	02/26/97	2.20	7.71	11.0	1000	Clear
	08/18/97	--/4.0	7.68	16.3	1470	Clear
5-48B	11/20/95	1.40	7.60	13.7	1035	Clear, strong HC odor
	02/21/96	3.60	7.54	14.0	750	Very slightly cloudy, HC odor
	02/27/97	2.40	7.61	11.8	950	Clear, strong HC odor
	02/12/98	2.23	7.44	14.8	810	Clear, HC odor
	04/28/99	--	7.47	15.4	1261	Clear w/blk flec's, strong HC odor, sheen
	05/12/00	--	--	--	--	Blk, turbid, odor, sheen streamers
	05/22/01	--	--	--	--	Blk, turbid, odor, sheen streamers
	04/20/02	0.9	7.54	15.7	1524	Turbid, odor
	05/21/03	--	--	--	--	Blk, suspended solids, turbid, odor, sheen
	06/07/04	0.9	7.51	16.2	1550	Black
	06/09/05	---	7.31	15.5	1530	Black, brackish
5-57B	11/15/95	4.60	7.59	13.1	880	Brown muddy
	05/20/96	3.10	8.75	13.2	1212	Slightly turbid
	02/25/97	--/3.4	7.71	10.6	1191	Light amber, no odor
	08/18/97	0.7/2.6	7.69	14.4	1071	Slightly turbid

Table 4. Summary of Field Measured Parameters
Thoreau Compressor Station No. 5

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature ℃*	*Electrical Conductivity (mmhos)*	*Remarks*
5-58B	11/16/95	8.10	7.47	14.8	740	Cloudy brown, no odor
	05/20/96	6.70	8.71	13.2	1073	Slightly turbid
	02/25/97	7.0b	7.69	11.4	1073	Light amber, no odor
	08/18/97	5.8/6.5	7.68	15.2	964	Slightly turbid
5-59	11/18/01	6.2	7.50	14.5	1430	Turbid, bailed down
	04/20/02	6.7	7.60	14.1	1431	Turbid, bailed down
	05/21/03	5.9	7.40	15.3	1519	Turbid, bailed down
	06/08/04	3.2	7.38	12.8	1495	Turbid, bailed down
	06/09/05	---	7.37	14.2	1453	---
	07/10/06	6.7	7.42	13.3	1112	Turbid, bailed down
	07/25/07	5.5	7.33	14.1	1124	Turbid, bailed down
	09/23/08	6.0	7.84	12.9	1143	Turbid, bailed down
	08/04/09	5.8	7.13	14.3	1501	Clear, bailed down
	05/18/10	6.5	6.62	12.9	1555	Turbid, bailed down
	09/25/11	8.0	7.06	13.6	1546	Cloudy, bailed down
	06/12/12	7.0	6.87	13.6	1573	Turbid, red, bailed down
	07/10/12	6.2	7.22	14.8	1543	Turbid, red, bailed down
	07/23/13	5.8	6.83	14.2	1590	Turbid, red, bailed down
5-60	11/18/01	6.5	7.67	14.5	1296	Very turbid, bailed down
	04/20/02	6.6	7.74	14.1	1291	Very turbid, bailed down
	05/21/03	7.7	7.63	15.6	1297	Very turbid, bailed down
	06/07/04	3.1	7.60	13.9	1415	Cloudy, bailed down
	06/09/05	---	7.65	12.5	1428	---
	07/10/06	7.4	7.40	13.3	1095	Turbid, bailed down
	07/25/07	6.9	7.50	13.6	1059	Turbid, bailed down
	09/23/08	6.8	7.87	12.9	1034	Turbid, bailed down
	08/04/09	7.2	7.23	14.1	1362	Turbid, bailed down
SVE-1	05/11/00	7.8	7.90	13.5	992	Red turbid
	11/18/01	8.3	7.90	15.6	1016	Turbid
	04/18/02	8.3	7.96	15.7	1017	Turbid, bailing down
	05/21/03	8.5	7.80	17.7	1009	Clear
	06/07/04	2.1	7.98	21.7	1062	---
SVE-3	05/18/10	--	--	--	--	Sheen, odor, bailed down, turbid
	09/25/11	--	--	--	--	Sheen, odor, bailed down, turbid, blk
	06/12/12	--	--	--	--	Sheen, odor, bailed down, turbid, blk
	07/23/13	--	--	--	--	Sheen, odor, bailed down, turbid, blk

HC = Hydrocarbon
NM = Not measured
(a) Value above theoretical dissolved oxygen concentration for this altitude; therefore, measurement is suspect.

TABLE 5

PROPOSED PLUG AND ABANDON WELL LIST
COMPRESSOR STATION NO. 5 - TOREAU, NM

Well	*Date of Completion*	*Date Last Sampled*	*Total Depth of Boring (ft bgs)*	*Screen Interval (ft bgs)*	*Comments*
5-02B	05/12/89	02/28/97	55.5	37.5-51.0	dry well since Jun. '04; insufficient water for a representative sample since Feb. '97; well 5-02C was installed in Nov. '97 as a replacement for well 5-02B.
5-04B	06/16/89	11/11/03	58.8	38.7-57.2	dry well since Jul. '06; all contaminants < MCL for previous 9 consecutive sample events since Feb. '96
5-12B	06/28/90	06/08/04	65.0	45.0-65.0	all contaminants < MCL for previous 33 consecutive sample events since Aug. '90
5-13B	06/28/90	06/08/04	69.4	49.3-69.4	all contaminants < MCL for previous 24 consecutive sample events since Oct. '95
5-14B	06/27/90	06/08/04	72.3	42.3-72.3	all contaminants < MCL for previous 33 consecutive sample events since Aug. '90
5-15B	06/29/90	06/08/04	65.6	45.6-65.6	all contaminants < MCL for previous 33 consecutive sample events since Aug. '90
5-19B	07/10/90	06/08/04	63.3	43.3-63.3	all contaminants < MCL for previous 8 consecutive sample events since Nov. '00
5-22B	09/13/90	11/18/97	55.8	45.8-55.8	dry well since Apr. '99; insufficient water for a sample since Feb. '98; all contaminants < MCL for previous 30 consecutive sample events since Oct. '90 with one exception in Feb. '97
5-23B	09/21/90	06/08/04	80.1	50.1-80.1	all contaminants < MCL for previous 31 consecutive sample events since Jun. '91
5-24B	09/25/90	06/08/04	75.5	45.5-75.5	all contaminants < MCL for previous 26 consecutive sample events since Oct. '92
5-41B	07/24/92	08/18/97	77.0	55.0-72.0	all contaminants < MCL for previous 10 consecutive sample events since Apr. '93
SVE-1	03/29/96	06/08/04	60.0	35.0-60.0	dry well since Jul. '06; all contaminants < MCL for previous 8 consecutive sample events since May. '00
SVE-2	03/29/96	NA	61.0	35.0-60.0	dry well since Jul. '06; not ever sampled due to location far west of affected area

Appendix A

Laboratory Analytical Report

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

July 31, 2013

George Robinson

Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 770952422
TEL: (281) 797-3420
FAX (281) 859-1881

RE: TWP Thoreau Sta 5 OrderNo.: 1307B36

Dear George Robinson:

Hall Environmental Analysis Laboratory received 11 sample(s) on 7/25/2013 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1307B36**
Date Reported: **7/31/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Project: TWP Thoreau Sta 5
Lab ID: 1307B36-001 **Matrix:** AQUEOUS

Client Sample ID: 5-16B
Collection Date: 7/23/2013 4:30:00 PM
Received Date: 7/25/2013 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	5100	200		µg/L	200	7/29/2013 10:44:49 PM	R12268
Toluene	ND	50		µg/L	50	7/25/2013 6:38:54 PM	R12217
Ethylbenzene	390	50		µg/L	50	7/25/2013 6:38:54 PM	R12217
Xylenes, Total	3000	100		µg/L	50	7/25/2013 6:38:54 PM	R12217
Surr: 4-Bromofluorobenzene	110	69.4-129		%REC	50	7/25/2013 6:38:54 PM	R12217

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Client Sample ID: 5-16B DUP
Project: TWP Thoreau Sta 5
Collection Date: 7/23/2013 4:30:00 PM
Lab ID: 1307B36-002 **Matrix:** AQUEOUS **Received Date:** 7/25/2013 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	5000	200		µg/L	200	7/29/2013 11:15:07 PM	R12268
Toluene	ND	50		µg/L	50	7/25/2013 7:08:59 PM	R12217
Ethylbenzene	410	50		µg/L	50	7/25/2013 7:08:59 PM	R12217
Xylenes, Total	3100	100		µg/L	50	7/25/2013 7:08:59 PM	R12217
Surr: 4-Bromofluorobenzene	108	69.4-129		%REC	50	7/25/2013 7:08:59 PM	R12217

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Client Sample ID: SVE-3
Project: TWP Thoreau Sta 5
Collection Date: 7/23/2013 4:40:00 PM
Lab ID: 1307B36-003
Matrix: AQUEOUS
Received Date: 7/25/2013 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	6200	100		µg/L	100	7/25/2013 7:39:15 PM	R12217
Toluene	ND	100		µg/L	100	7/25/2013 7:39:15 PM	R12217
Ethylbenzene	280	100		µg/L	100	7/25/2013 7:39:15 PM	R12217
Xylenes, Total	2700	200		µg/L	100	7/25/2013 7:39:15 PM	R12217
Surr: 4-Bromofluorobenzene	105	69.4-129		%REC	100	7/25/2013 7:39:15 PM	R12217

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Client Sample ID: 5-35B
Project: TWP Thoreau Sta 5
Collection Date: 7/23/2013 4:55:00 PM
Lab ID: 1307B36-004 **Matrix:** AQUEOUS **Received Date:** 7/25/2013 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	4100	100		µg/L	100	7/25/2013 8:09:30 PM	R12217
Toluene	ND	100		µg/L	100	7/25/2013 8:09:30 PM	R12217
Ethylbenzene	180	100		µg/L	100	7/25/2013 8:09:30 PM	R12217
Xylenes, Total	1200	200		µg/L	100	7/25/2013 8:09:30 PM	R12217
Surr: 4-Bromofluorobenzene	104	69.4-129		%REC	100	7/25/2013 8:09:30 PM	R12217

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Client Sample ID: 5-59
Project: TWP Thoreau Sta 5
Collection Date: 7/23/2013 6:00:00 PM
Lab ID: 1307B36-005 **Matrix:** AQUEOUS **Received Date:** 7/25/2013 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	ND	1.0		µg/L	1	7/30/2013 12:52:12 AM	8583
Aroclor 1221	ND	1.0		µg/L	1	7/30/2013 12:52:12 AM	8583
Aroclor 1232	ND	1.0		µg/L	1	7/30/2013 12:52:12 AM	8583
Aroclor 1242	ND	1.0		µg/L	1	7/30/2013 12:52:12 AM	8583
Aroclor 1248	ND	1.0		µg/L	1	7/30/2013 12:52:12 AM	8583
Aroclor 1254	ND	1.0		µg/L	1	7/30/2013 12:52:12 AM	8583
Aroclor 1260	ND	1.0		µg/L	1	7/30/2013 12:52:12 AM	8583
Surr: Decachlorobiphenyl	69.2	23.9-124		%REC	1	7/30/2013 12:52:12 AM	8583
Surr: Tetrachloro-m-xylene	58.8	28.1-139		%REC	1	7/30/2013 12:52:12 AM	8583
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	7/25/2013 8:39:45 PM	R12217
Toluene	ND	1.0		µg/L	1	7/25/2013 8:39:45 PM	R12217
Ethylbenzene	ND	1.0		µg/L	1	7/25/2013 8:39:45 PM	R12217
Xylenes, Total	ND	2.0		µg/L	1	7/25/2013 8:39:45 PM	R12217
Surr: 4-Bromofluorobenzene	102	69.4-129		%REC	1	7/25/2013 8:39:45 PM	R12217

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Client Sample ID: 5-18B
Project: TWP Thoreau Sta 5
Collection Date: 7/23/2013 4:15:00 PM
Lab ID: 1307B36-006
Matrix: AQUEOUS
Received Date: 7/25/2013 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	7/25/2013 9:10:06 PM	R12217
Toluene	ND	1.0		µg/L	1	7/25/2013 9:10:06 PM	R12217
Ethylbenzene	ND	1.0		µg/L	1	7/25/2013 9:10:06 PM	R12217
Xylenes, Total	ND	2.0		µg/L	1	7/25/2013 9:10:06 PM	R12217
Surr: 4-Bromofluorobenzene	103	69.4-129		%REC	1	7/25/2013 9:10:06 PM	R12217

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Client Sample ID: 5-02C
Project: TWP Thoreau Sta 5
Collection Date: 7/23/2013 2:45:00 PM
Lab ID: 1307B36-007
Matrix: AQUEOUS
Received Date: 7/25/2013 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	34	10		µg/L	10	7/29/2013 11:45:18 PM	R12268
Toluene	50	10		µg/L	10	7/29/2013 11:45:18 PM	R12268
Ethylbenzene	130	10		µg/L	10	7/29/2013 11:45:18 PM	R12268
Xylenes, Total	1200	20		µg/L	10	7/29/2013 11:45:18 PM	R12268
Surr: 4-Bromofluorobenzene	114	69.4-129		%REC	10	7/29/2013 11:45:18 PM	R12268

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Client Sample ID: 5-20B
Project: TWP Thoreau Sta 5
Collection Date: 7/23/2013 3:40:00 PM
Lab ID: 1307B36-008
Matrix: AQUEOUS
Received Date: 7/25/2013 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	7/25/2013 10:10:33 PM	R12217
Toluene	ND	1.0		µg/L	1	7/25/2013 10:10:33 PM	R12217
Ethylbenzene	ND	1.0		µg/L	1	7/25/2013 10:10:33 PM	R12217
Xylenes, Total	ND	2.0		µg/L	1	7/25/2013 10:10:33 PM	R12217
Surr: 4-Bromofluorobenzene	102	69.4-129		%REC	1	7/25/2013 10:10:33 PM	R12217

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Client Sample ID: 5-06C
Project: TWP Thoreau Sta 5
Collection Date: 7/23/2013 5:50:00 PM
Lab ID: 1307B36-009
Matrix: AQUEOUS
Received Date: 7/25/2013 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	ND	1.0		µg/L	1	7/30/2013 1:38:09 AM	8583
Aroclor 1221	ND	1.0		µg/L	1	7/30/2013 1:38:09 AM	8583
Aroclor 1232	ND	1.0		µg/L	1	7/30/2013 1:38:09 AM	8583
Aroclor 1242	1.2	1.0		µg/L	1	7/30/2013 1:38:09 AM	8583
Aroclor 1248	ND	1.0		µg/L	1	7/30/2013 1:38:09 AM	8583
Aroclor 1254	ND	1.0		µg/L	1	7/30/2013 1:38:09 AM	8583
Aroclor 1260	ND	1.0		µg/L	1	7/30/2013 1:38:09 AM	8583
Surr: Decachlorobiphenyl	72.0	23.9-124		%REC	1	7/30/2013 1:38:09 AM	8583
Surr: Tetrachloro-m-xylene	60.0	28.1-139		%REC	1	7/30/2013 1:38:09 AM	8583
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	7/25/2013 10:40:50 PM	R12217
Toluene	ND	1.0		µg/L	1	7/25/2013 10:40:50 PM	R12217
Ethylbenzene	ND	1.0		µg/L	1	7/25/2013 10:40:50 PM	R12217
Xylenes, Total	ND	2.0		µg/L	1	7/25/2013 10:40:50 PM	R12217
Surr: 4-Bromofluorobenzene	97.9	69.4-129		%REC	1	7/25/2013 10:40:50 PM	R12217

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Client Sample ID: 5-06C DUP
Project: TWP Thoreau Sta 5
Collection Date: 7/23/2013 5:50:00 PM
Lab ID: 1307B36-010
Matrix: AQUEOUS
Received Date: 7/25/2013 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	ND	1.0		µg/L	1	7/30/2013 2:23:41 AM	8583
Aroclor 1221	ND	1.0		µg/L	1	7/30/2013 2:23:41 AM	8583
Aroclor 1232	ND	1.0		µg/L	1	7/30/2013 2:23:41 AM	8583
Aroclor 1242	1.2	1.0		µg/L	1	7/30/2013 2:23:41 AM	8583
Aroclor 1248	ND	1.0		µg/L	1	7/30/2013 2:23:41 AM	8583
Aroclor 1254	ND	1.0		µg/L	1	7/30/2013 2:23:41 AM	8583
Aroclor 1260	ND	1.0		µg/L	1	7/30/2013 2:23:41 AM	8583
Surr: Decachlorobiphenyl	72.8	23.9-124		%REC	1	7/30/2013 2:23:41 AM	8583
Surr: Tetrachloro-m-xylene	60.0	28.1-139		%REC	1	7/30/2013 2:23:41 AM	8583

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering
Client Sample ID: Trip Blank
Project: TWP Thoreau Sta 5
Collection Date:
Lab ID: 1307B36-011
Matrix: AQUEOUS
Received Date: 7/25/2013 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	7/25/2013 11:11:04 PM	R12217
Toluene	ND	1.0		µg/L	1	7/25/2013 11:11:04 PM	R12217
Ethylbenzene	ND	1.0		µg/L	1	7/25/2013 11:11:04 PM	R12217
Xylenes, Total	ND	2.0		µg/L	1	7/25/2013 11:11:04 PM	R12217
Surr: 4-Bromofluorobenzene	96.7	69.4-129		%REC	1	7/25/2013 11:11:04 PM	R12217

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1307B36**

31-Jul-13

Client: Cypress Engineering

Project: TWP Thoreau Sta 5

Sample ID	**b 5**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBW**	Batch ID:	**R12217**	RunNo:	**12217**					
Prep Date:		Analysis Date:	**7/25/2013**	SeqNo:	**347534**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	21		20.00		103	69.4	129			

Sample ID	**100NG BTEX LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSW**	Batch ID:	**R12217**	RunNo:	**12217**					
Prep Date:		Analysis Date:	**7/25/2013**	SeqNo:	**347540**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	95.6	80	120			
Toluene	19	1.0	20.00	0	97.2	80	120			
Ethylbenzene	19	1.0	20.00	0	96.8	80	120			
Xylenes, Total	60	2.0	60.00	0	99.4	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		104	69.4	129			

Sample ID	**1307B36-005AMS**	SampType:	**MS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**5-59**	Batch ID:	**R12217**	RunNo:	**12217**					
Prep Date:		Analysis Date:	**7/26/2013**	SeqNo:	**347549**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0.3900	91.0	80	120			
Toluene	19	1.0	20.00	0	94.4	80	120			
Ethylbenzene	19	1.0	20.00	0	93.8	80	120			
Xylenes, Total	59	2.0	60.00	0	98.4	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		105	69.4	129			

Sample ID	**1307B36-005AMSD**	SampType:	**MSD**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**5-59**	Batch ID:	**R12217**	RunNo:	**12217**					
Prep Date:		Analysis Date:	**7/26/2013**	SeqNo:	**347550**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0.3900	90.9	80	120	0.162	20	
Toluene	19	1.0	20.00	0	95.0	80	120	0.676	20	
Ethylbenzene	19	1.0	20.00	0	94.2	80	120	0.415	20	
Xylenes, Total	59	2.0	60.00	0	98.7	80	120	0.281	20	
Surr: 4-Bromofluorobenzene	21		20.00		106	69.4	129	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1307B36**

31-Jul-13

Client: Cypress Engineering

Project: TWP Thoreau Sta 5

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBW**	Batch ID:	**R12268**	RunNo:	**12268**					
Prep Date:		Analysis Date:	**7/29/2013**	SeqNo:	**348915**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	21		20.00		103	69.4	129			

Sample ID	**100NG BTEX LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSW**	Batch ID:	**R12268**	RunNo:	**12268**					
Prep Date:		Analysis Date:	**7/29/2013**	SeqNo:	**348917**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.1	80	120			
Toluene	20	1.0	20.00	0	99.4	80	120			
Ethylbenzene	20	1.0	20.00	0	98.7	80	120			
Xylenes, Total	59	2.0	60.00	0	98.2	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		106	69.4	129			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1307B36**

31-Jul-13

Client: Cypress Engineering

Project: TWP Thoreau Sta 5

Sample ID **MB-8583**	SampType: **MBLK**	TestCode: **EPA Method 8082: PCB's**
Client ID: **PBW**	Batch ID: **8583**	RunNo: **12256**
Prep Date: **7/26/2013**	Analysis Date: **7/29/2013**	SeqNo: **348530** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Surr: Decachlorobiphenyl	1.7		2.500		69.2	23.9	124			
Surr: Tetrachloro-m-xylene	1.4		2.500		56.8	28.1	139			

Sample ID **LCS-8583**	SampType: **LCS**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSW**	Batch ID: **8583**	RunNo: **12256**
Prep Date: **7/26/2013**	Analysis Date: **7/29/2013**	SeqNo: **348531** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	2.6	1.0	5.000	0	51.6	18.6	134			
Aroclor 1260	4.1	1.0	5.000	0	82.2	35.7	137			
Surr: Decachlorobiphenyl	1.9		2.500		77.2	23.9	124			
Surr: Tetrachloro-m-xylene	1.5		2.500		61.2	28.1	139			

Sample ID **MB-8618**	SampType: **MBLK**	TestCode: **EPA Method 8082: PCB's**
Client ID: **PBW**	Batch ID: **8618**	RunNo: **12256**
Prep Date: **7/30/2013**	Analysis Date: **7/30/2013**	SeqNo: **349888** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	2.2		2.500		88.4	23.9	124			
Surr: Tetrachloro-m-xylene	2.0		2.500		78.0	28.1	139			

Sample ID **LCS-8618**	SampType: **LCS**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSW**	Batch ID: **8618**	RunNo: **12256**
Prep Date: **7/30/2013**	Analysis Date: **7/30/2013**	SeqNo: **349890** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	2.1		2.500		83.6	23.9	124			
Surr: Tetrachloro-m-xylene	1.8		2.500		72.8	28.1	139			

Sample ID **LCSD-8618**	SampType: **LCSD**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSS02**	Batch ID: **8618**	RunNo: **12256**
Prep Date: **7/30/2013**	Analysis Date: **7/30/2013**	SeqNo: **349891** Units: **%REC**

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1307B36**

31-Jul-13

Client: Cypress Engineering

Project: TWP Thoreau Sta 5

Sample ID	**LCSD-8618**	SampType:	**LCSD**	TestCode:	**EPA Method 8082: PCB's**					
Client ID:	**LCSS02**	Batch ID:	**8618**	RunNo:	**12256**					
Prep Date:	**7/30/2013**	Analysis Date:	**7/30/2013**	SeqNo:	**349891**	Units:	**%REC**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	2.1		2.500		85.2	23.9	124	0	0	
Surr: Tetrachloro-m-xylene	1.9		2.500		74.8	28.1	139	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: CYP | Work Order Number: 1307B36 | RcptNo: 1

Received by/date: AT 07/25/13

Logged By: **Anne Thorne** 7/25/2013 7:30:00 AM Anne Thorne

Completed By: **Anne Thorne** 7/25/2013 Anne Thorne

Reviewed By: 07/25/13

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

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

Person Notified: _____ Date _____

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

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.5	Good	Not Present			

Chain-of-Custody Record

Client: CYPRESS ENGINEERING SERVICES
7171 HWY 6 NORTH SUITE 102
Mailing Address: HOUSTON, TX 77085

Phone #: 281.797.3421
email or Fax#:
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: TRANSWESTERN PIPELINE COMPANY THOREAU SITE 5
Project #: TWP THOREAU
Project Manager: GEORGE ROBINSON
Sampler: SAMMY SLAPP
On Ice: ☒ Yes ☐ No
Sample Temperature: 2.5°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1307B36	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
4/23	1630	W	5-16B *	3x40ml	HCl	-001	X											
	1630		5-16B DUP	3x40ml	HCl	-002	X											
	1640		SVE-3 *	3x40ml	HCl	-003	X											
	1655		5-35B *	3x40ml	HCl	-004	X											
	1800		5-59	3x40ml 1x1L	HCl / 0	-005	X								X			
	1615		5-18B	3x40ml	HCl	-006	X											
	1445		5-02C *	3x40ml	HCl	-007	X											
	1540		5-20B	3x40ml	HCl	-008	X											
	1750		5-06C	3x40ml 1x1L	HCl / 0	-009	X								X			
	1750		5-06C DUP	1x1L	0	-010	X								X			
			TRIP BLANK	2x40ml	HCl	-011	X											

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/24/13	0630			04/24/13	0730
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: * THESE HAD A SHEEN.

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