

GW - 052

AGWMR

06/13/2012



Cypress Engineering

7171 Highway 6 North, Suite 102
Houston, Texas 77095-2422

(281) 797-3420 office
(281) 859-1881 fax

June 13, 2012

Mr. Glenn von Gonten
Environmental Bureau
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Report of 2011 Groundwater Remediation Activities
Roswell Station Remediation Site
Transwestern Pipeline Company, LLC
Chavez County, New Mexico
Case # GW-052

Enclosed for your review is the annual Report of 2011 Groundwater Remediation Activities for the Roswell Station remediation site. This report includes the results of groundwater assessment and remediation work completed at the site during 2011.

If you have any questions or comments regarding this report, please contact me at (281) 797-3420 or Larry Campbell at (575) 625-8022.

Sincerely,

George Robinson
President/Principal Engineer

xc w/attachment:	Thaddeus Kostrubala	New Mexico State Land Office
	Tim Gum	NMOCD Artesia District Office
	Richard Spell	Transwestern Pipeline Company (Houston, TX)
	Larry Campbell	Transwestern Pipeline Company (Roswell, NM)

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Report of 2011 Groundwater Remediation Activities

**Transwestern Pipeline Company, LLC
Roswell Station Remediation Site
Chaves County, New Mexico**

CASE # GW-052

**Submitted to:
New Mexico Oil Conservation Division**

June 6, 2012

**Prepared For:
Transwestern Pipeline Company
6381 North Main Street
Roswell, NM 88201**

**Prepared by:
Cypress Engineering Services, Inc.
7171 Highway 6 North, Ste. 102
Houston, Texas 77095**

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1. Introduction

The last report of groundwater remediation activities covered activities completed through December 2010. This report presents a summary of monitoring and remediation activities completed during calendar year 2011 (including the January 2-3, 2012 groundwater sampling event).

2. Groundwater Monitoring Activities

2.1 Semiannual Groundwater Sampling Events

Two semi-annual groundwater sampling events were completed during the reporting period. These events were completed in April 2011 and January 2012.

Prior to sampling, the depth to water, and the depth to hydrocarbon where phase separated hydrocarbon (PSH) was present, was determined for each monitor well and recovery well. The measured depths and the corresponding water table elevation for each monitor well and recovery well is presented in Tables 1 and 2.

In the course of each sample event, groundwater samples were collected from selected monitor wells at the site in accordance with the site sampling analysis plan. As a matter of standard operating procedure, samples were not collected from monitor wells with accumulated PSH in the well casing. Groundwater samples were delivered to a laboratory for analysis for benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method 8021B. Samples from three wells located at the north end of the site were submitted for analysis for volatile organic compounds (VOCs) by EPA Method 8260B.

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 3. An updated summary of laboratory results for organic compounds (BTEX and other VOCs) is presented in Table 4. Analyses for inorganic constituents were discontinued in 2003, however, for reference, a summary of laboratory results for inorganic constituents measured during prior sampling events is presented in Table 5.

A copy of the laboratory reports for the two semiannual groundwater sampling events are included in Appendix D.

2.2 Results/Conclusions from Groundwater Sampling Events

2.2.1 Occurrence and Direction of Groundwater Flow

A water table elevation map based on measurements obtained in December 2011 is included as Figure 2. The information presented in Figure 2 appears to define a complex groundwater system with some areas of low flow and other areas of preferential flow. Furthermore, there is an apparent divide in the groundwater flow direction beneath the site. At the northern end of the affected area, groundwater flow is toward the North; while in the central and southern portions of the site, groundwater flow is toward the South-Southeast. The apparent direction of groundwater flow is consistent with water table elevation maps previously developed for this site and is also consistent with the distribution of contaminants in the uppermost aquifer.

Hydrographs for selected monitoring wells with no accumulated PSH are included in Appendix A. The hydrographs show a history of water table elevation change since depth to water measurements were first recorded at the site in 1996. There is a sharp decline in the water table elevation following startup of the groundwater recovery and treatment system in April 2004. The hydrographs indicate about a three to four foot decline in the water table during the 7 ½ year period between April 2004 and December 2011. A continued decline in the water table is anticipated and is beneficial to the remediation effort.

2.2.2 Lateral Extent of Phase Separated Hydrocarbon

Within the “uppermost aquifer”, the lateral extent of PSH is currently defined by the occurrence of PSH at the water table in 11 wells and the absence of PSH in all other wells. The thickness of accumulated PSH in monitor wells and multi-phase extraction (MPE) wells is presented in Tables 1 and 2. A figure indicating the estimated area with PSH present at the water table is included as Figure 3. Also indicated in Figure 3 is the estimated maximum extent of PSH measured at the site in March 2005.

In March 2005, accumulated PSH was measured in 23 wells within the “uppermost aquifer”; in December 2011, this number had been reduced to 11 wells. The current lateral extent of PSH covers an area about 53% the size of the estimated maximum extent indicating that the remediation system is effectively reducing the size of the impacted area. In most wells where accumulated PSH has persisted, the measured thickness of PSH has decreased significantly since active remediation efforts began. This can be seen graphically in the hydrographs presented in Appendix B.

It was suspected that the continued presence of PSH in some MPE wells was more likely associated with the preferential accumulation of PSH in low pressure areas, such as soil vapor extraction wells, and was not likely indicative of PSH present at the water table outside of the immediate vicinity of the well screen. In light of this, a program was initiated in June 2010 to evaluate the re-accumulation rate of PSH in MPE wells. In June 2010, accumulated PSH was removed from eight MPE wells containing PSH using a bailer. Ten months later, in April 2011, the re-accumulation of PSH was measured in the course of the April 2011 groundwater sampling event. A summary of the data obtained during this evaluation is provided in Table 2b. Results indicate that the accumulation of PSH was reduced in six of the eight MPE wells; two of the eight MPE wells had no measurable re-accumulation of PSH after ten months.

A shallow perched zone was identified during the initial site investigation activities. The perched zone is very limited in lateral extent and occurs at a depth of about 30-35 feet, which is about 30 feet above the depth of the “uppermost aquifer”. There are 9 SVE wells completed within the perched zone. In December 2011, depth to water measurements indicated that two of the 9 shallow SVE wells were dry; the remaining shallow SVE wells contained less than five feet of water column. In addition, one of the shallow SVE wells contained a measurable accumulation of PSH. The estimated lateral extent of PSH in the shallow perched zone is indicated in Figure 4.

2.2.3 Condition of Affected Groundwater

The primary constituent of concern is benzene. Additional constituents of concern are 111-trichloroethane, 11-dichloroethane, and 11-dichloroethene (11-DCE). In January 2012, laboratory results for groundwater samples indicated that only benzene and 11-DCE were measured at concentrations above NMWQCC standards.

A site diagram indicating the distribution of benzene in groundwater is included as Figure 5. The present lateral extent of dissolved phase benzene is contained within an area just slightly greater than the lateral extent of PSH. The maximum historic extent of benzene in groundwater is also indicated in Figure 5. It is apparent that the present lateral extent of benzene is considerably smaller than the maximum historic extent of benzene.

A site diagram indicating the distribution of 11-DCE in groundwater is included as Figure 6. The small plume of dissolved-phase 11-DCE does not appear to be closely associated with the presence of accumulated PSH.

Startup of the groundwater recovery system appears to have accelerated natural attenuation processes and has resulted in a decrease in contaminant concentrations at most sampling locations. It is anticipated that contaminant concentrations in groundwater will continue to decline with continued operation of the groundwater remediation system.

3. Status of Remediation Activities

3.1 Remediation Activities Completed through December 2011

The following remediation activities were completed during the reporting period:

- 1) Two routine semiannual groundwater sampling events were completed.
- 2) The SVE system operated continuously during the year except for temporary shut-downs for maintenance.
- 3) Soil vapor samples were collected from the remediation system on August 10, 2011 and delivered to a laboratory for analysis for TPH by method 8015mod (GRO). The concentrations of TPH found in each circuit correspond well with the distribution of PSH measured in wells. The results from laboratory analyses are presented in Table 8 and Table 8b. As indicated in Table 8b, the SVE system is recovering total non-methane hydrocarbons at a rate of about 4,100 gallons equivalent per year. A copy of the laboratory report is included in Appendix D.
- 4) The groundwater recovery, treatment, and irrigation system operated from late-June through November 2011.
- 5) Three water treatment and irrigation system sampling events were completed during the period that the groundwater recovery and irrigation system was in operation. Laboratory results are presented in Table 10. Copies of the laboratory reports are included in Appendix D.

4. Proposed Modifications

4.1 Anticipated Changes to the Groundwater Monitoring and Remediation Well Network

An evaluation of contaminant plume stability was recently completed utilizing the Ricker Plume Stability Analysis method. Findings from this evaluation provided an overall understanding of the stability of the constituent plumes in terms of their area, average concentration, mass indicator, and center of mass. Results further indicate that the constituent plumes are stable and/or decreasing. Changes to the existing network of groundwater monitoring and remediation wells is anticipated based on the results of this evaluation.

Upon review of the plume stability evaluation it was noted that the existing monitoring well network will require to be expanded in the northern portion of the site. Specifically, further delineation of the contaminant plume in the area north (downgradient) of monitoring well MW-26 will be necessary. This will be accomplished with the addition of one or more monitoring wells downgradient of well MW-26. A separate work plan will be prepared for this activity and submitted to NMOCD for approval after completion of further evaluation of the existing data.

The plume stability evaluation also identified several groundwater monitoring and remediation wells that are no longer necessary for continued monitoring and/or remediation activities at the site. Generally, this includes monitoring wells that have been documented to be “clean” for a number of previous sampling events and remediation wells that are outside the affected area. A separate work plan to plug and abandon wells no longer needed will be prepared and submitted to NMOCD for approval after completion of further evaluation of the existing data.

4.2 Modifications to the Routine Groundwater Sampling Plan

Sampling location, frequency and the sampling analysis plan (SAP) will continue on a semi-annual basis. A summary of the sample analysis plan is presented in Table 7.

In addition to the routine sampling activities outlined in the SAP, one or more samples of PSH will be collected from wells with accumulated PSH in an effort to better define current physical properties and chemical composition. PSH samples will be delivered to a laboratory for analysis to determine specific gravity and viscosity. Analysis may also include hydrocarbon fingerprinting and/or chemical speciation. This effort will also include collecting groundwater samples from selected wells with accumulated PSH in an effort to evaluate the partitioning of BTEX compounds between remaining PSH and groundwater.

4.3 Modifications to the Remediation System

In coordination with the plume stability analysis, a Remediation System Benefit Analysis (RBSA) was completed in an effort to evaluate the effectiveness of the current remediation system. This evaluation was based on graphical data outputs generated from the Ricker Plume Stability Analysis, as well as trends associated with contaminant removal rates and relative cost/benefit indicators. This analysis utilized Benzene as the primary indicator parameter. The results from the evaluation indicate that the remediation system continues to be an “Effective Remediation System”. This classification tends to indicate that, though the system continues to be effective, additional measures may be necessary to address a contributing source of contamination that is adding contaminant mass to the groundwater plume. Remaining PSH has been identified as the contributing source. If any significant modifications (such as installing

additional remediation wells) are needed to further address remaining PSH, then a separate work plan will be prepared for this activity and submitted to NMOCD for review.

4.4 Reporting

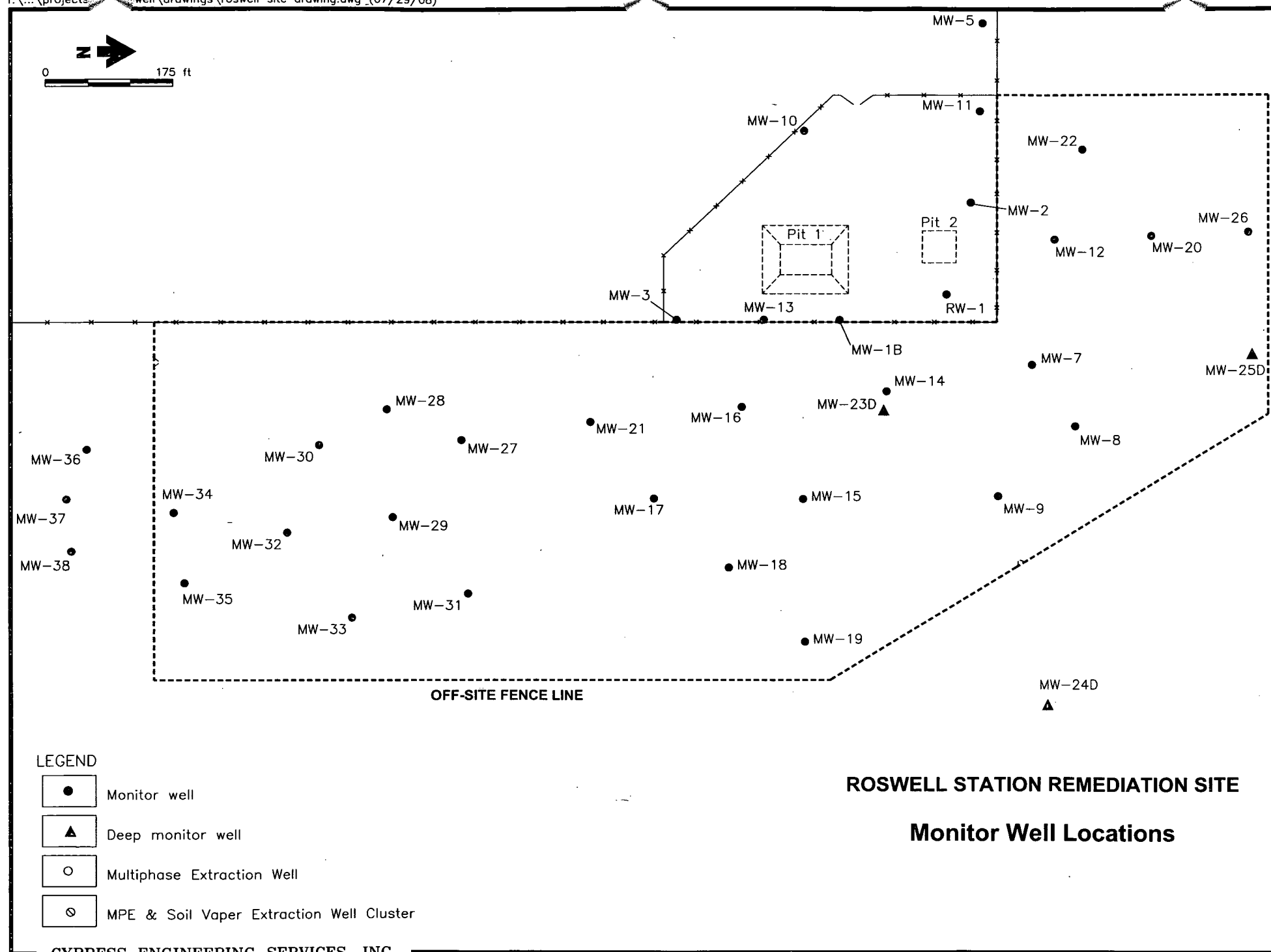
Reporting of groundwater monitoring and remediation activities will continue on an annual basis. Future reporting will incorporate any additional requirements specified in the facility's Discharge Plan Renewal issued January 11, 2012.

5. Progress Toward Project Completion

The Phase I and Phase II components of the remediation system have been installed and are in operation as described in the "Conceptual Remedial Design and Discharge Plan Modification" document dated September 10, 2002. The SVE component of the system has been in operation since March 2003 and the groundwater recovery system has been in operation since April 2004.

Based upon a review of groundwater sample results, operation of the groundwater remediation system appears to have accelerated natural attenuation processes and has resulted in a decrease in contaminant concentrations at most sampling locations. Furthermore, an evaluation of contaminant plume stability indicates that the contaminant plumes are stable and/or decreasing in area, concentration, and mass. In addition, the anticipated delineation is also intended to confirm contaminant plume stability.

FIGURES



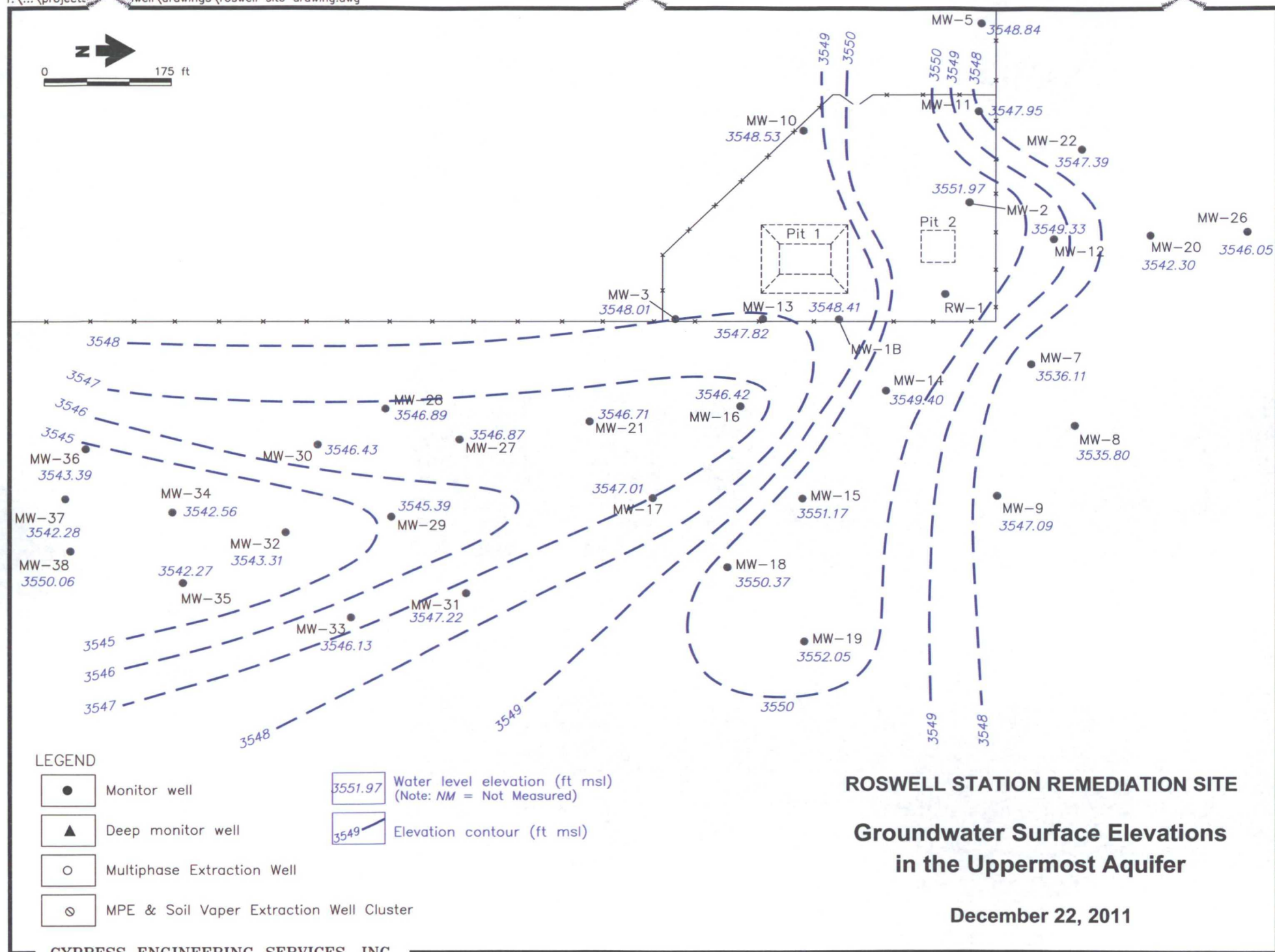


Figure 2

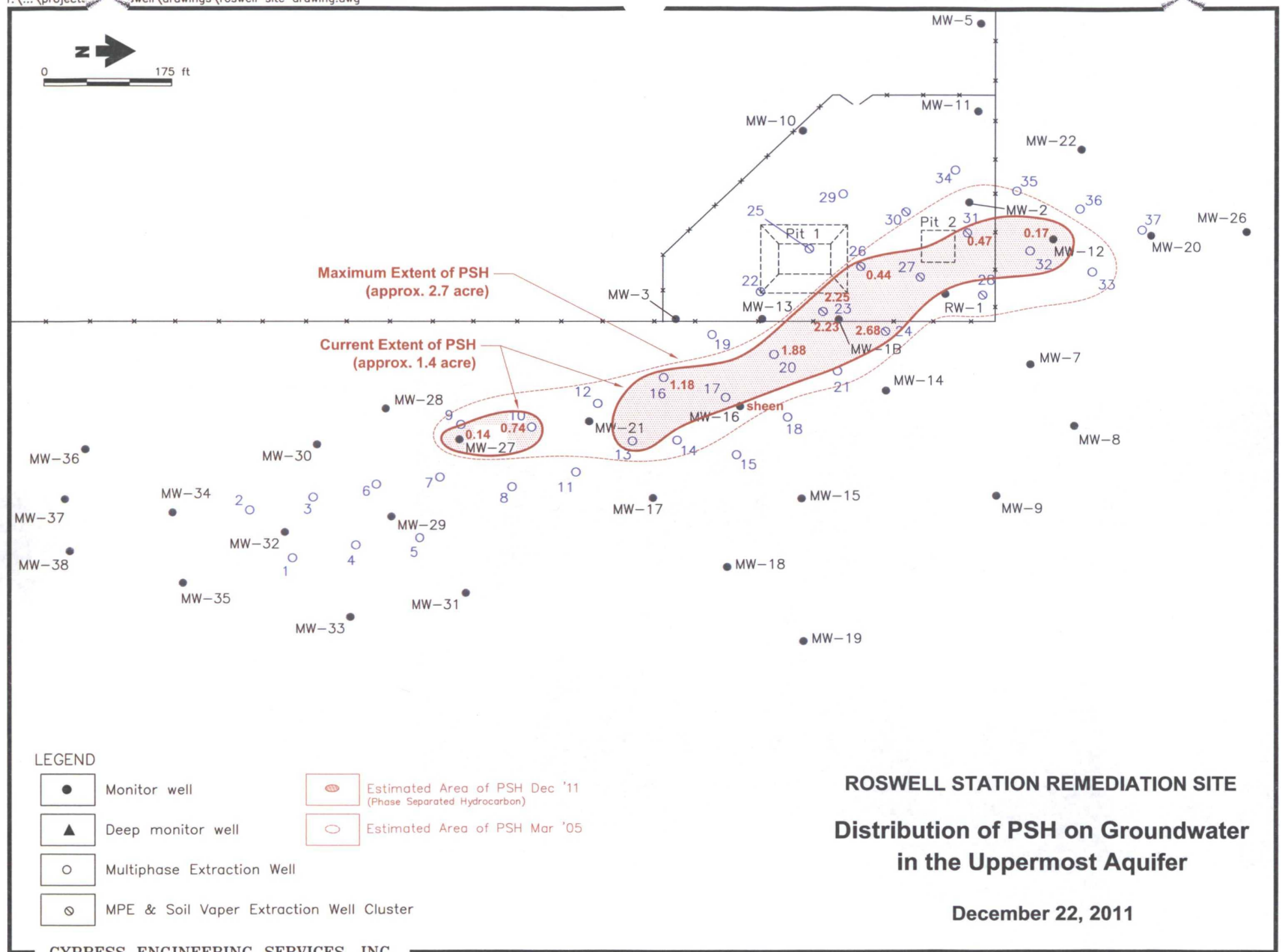
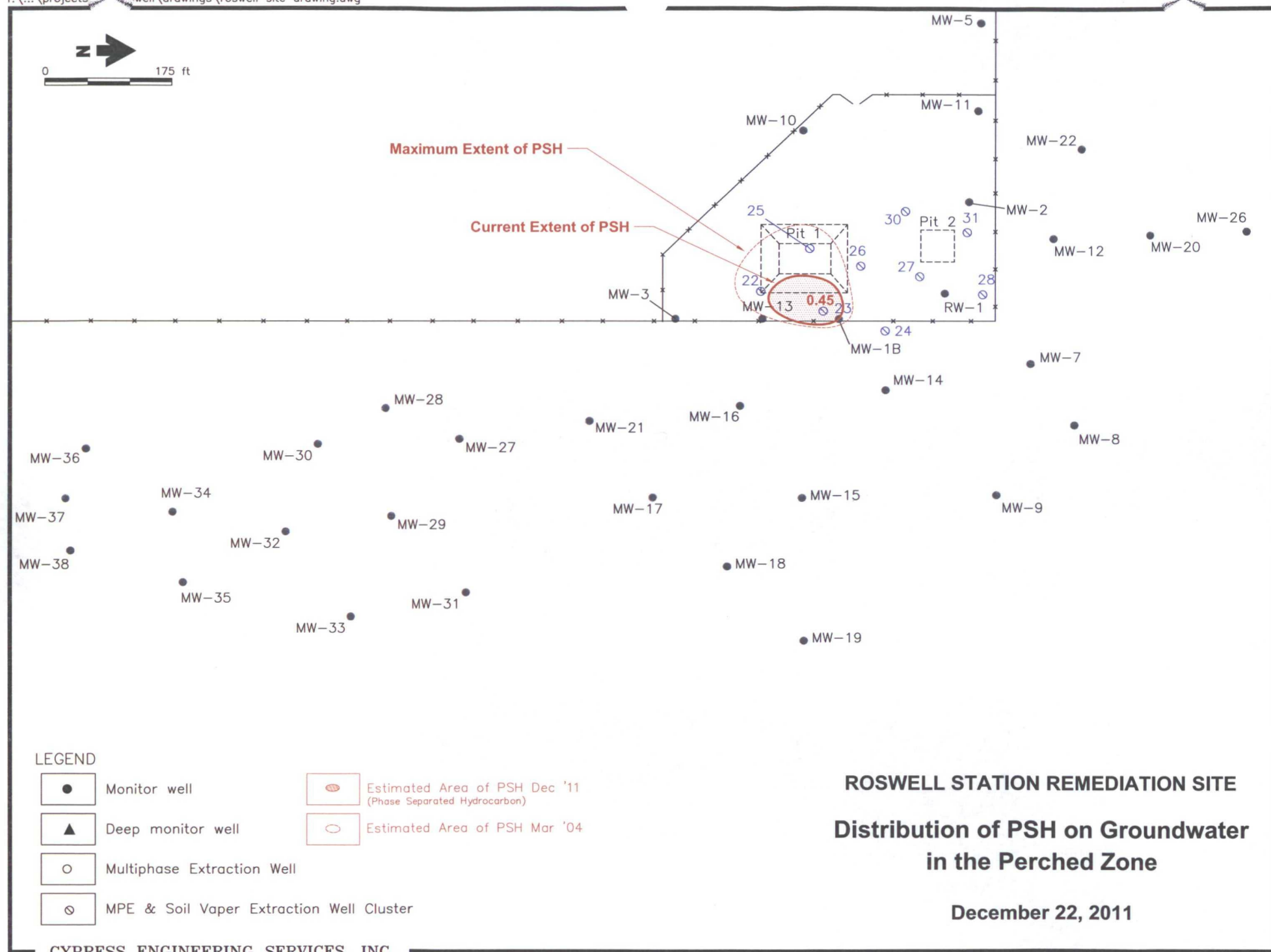


Figure 3



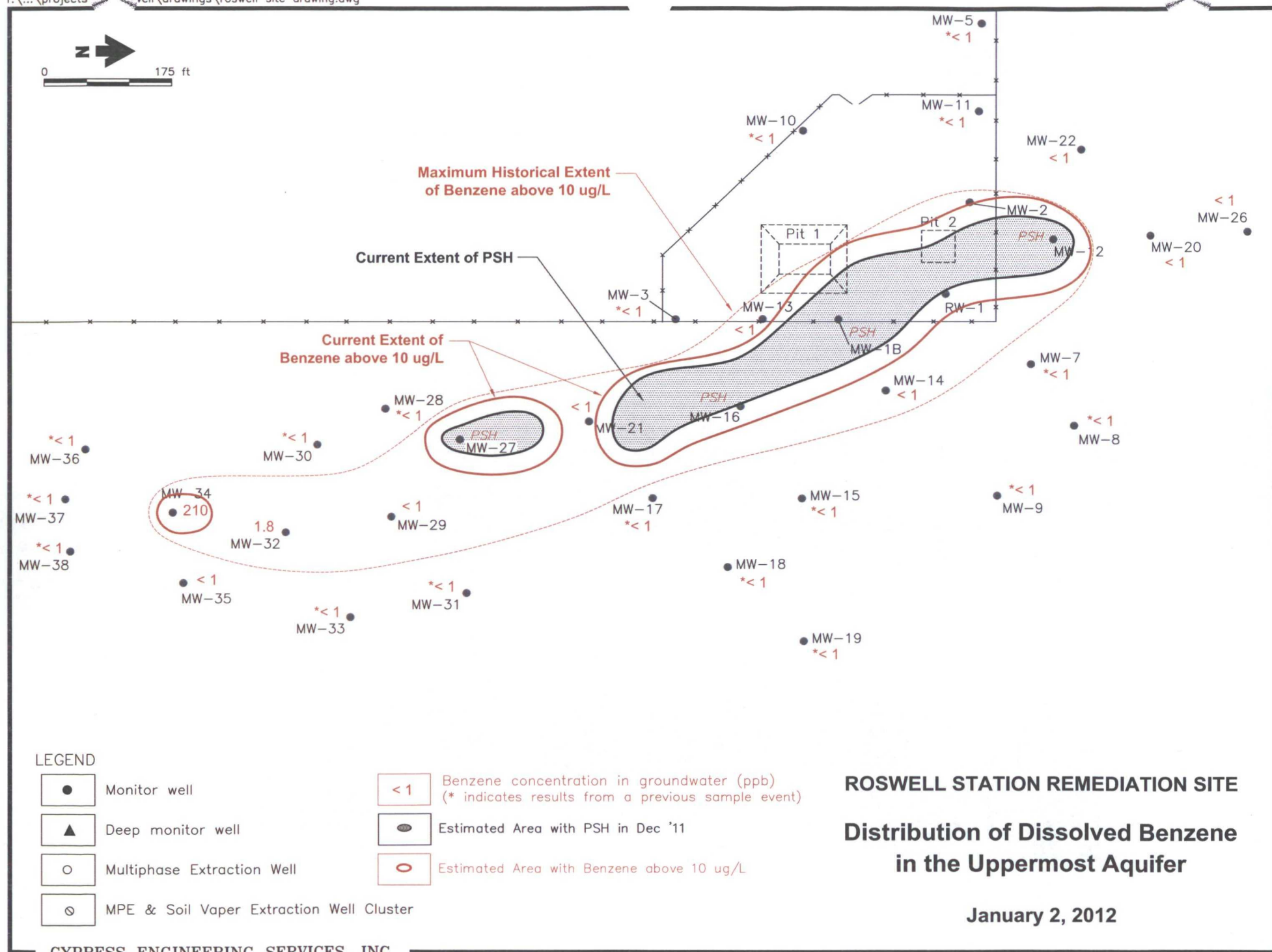


Figure 5

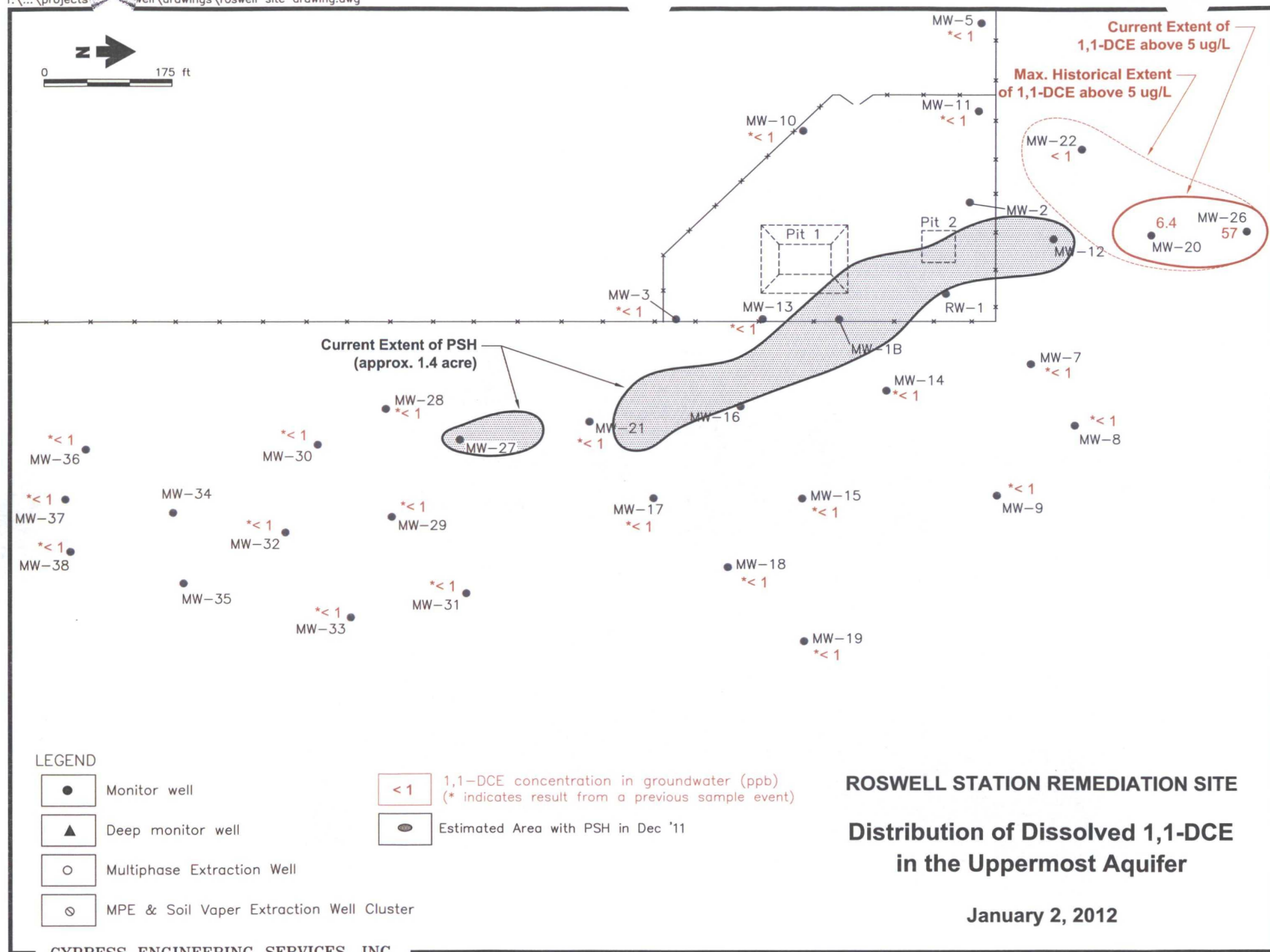
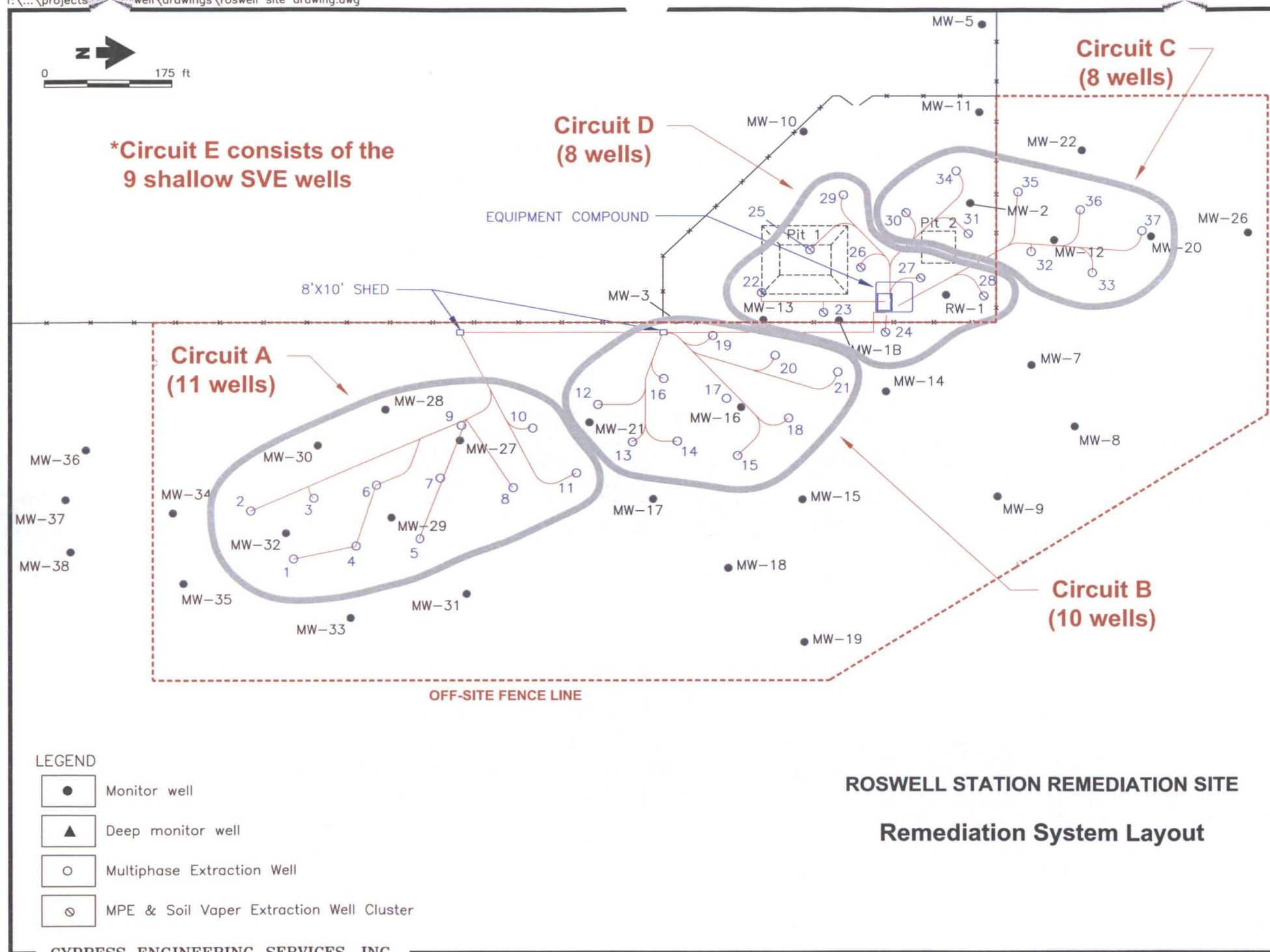


Figure 6

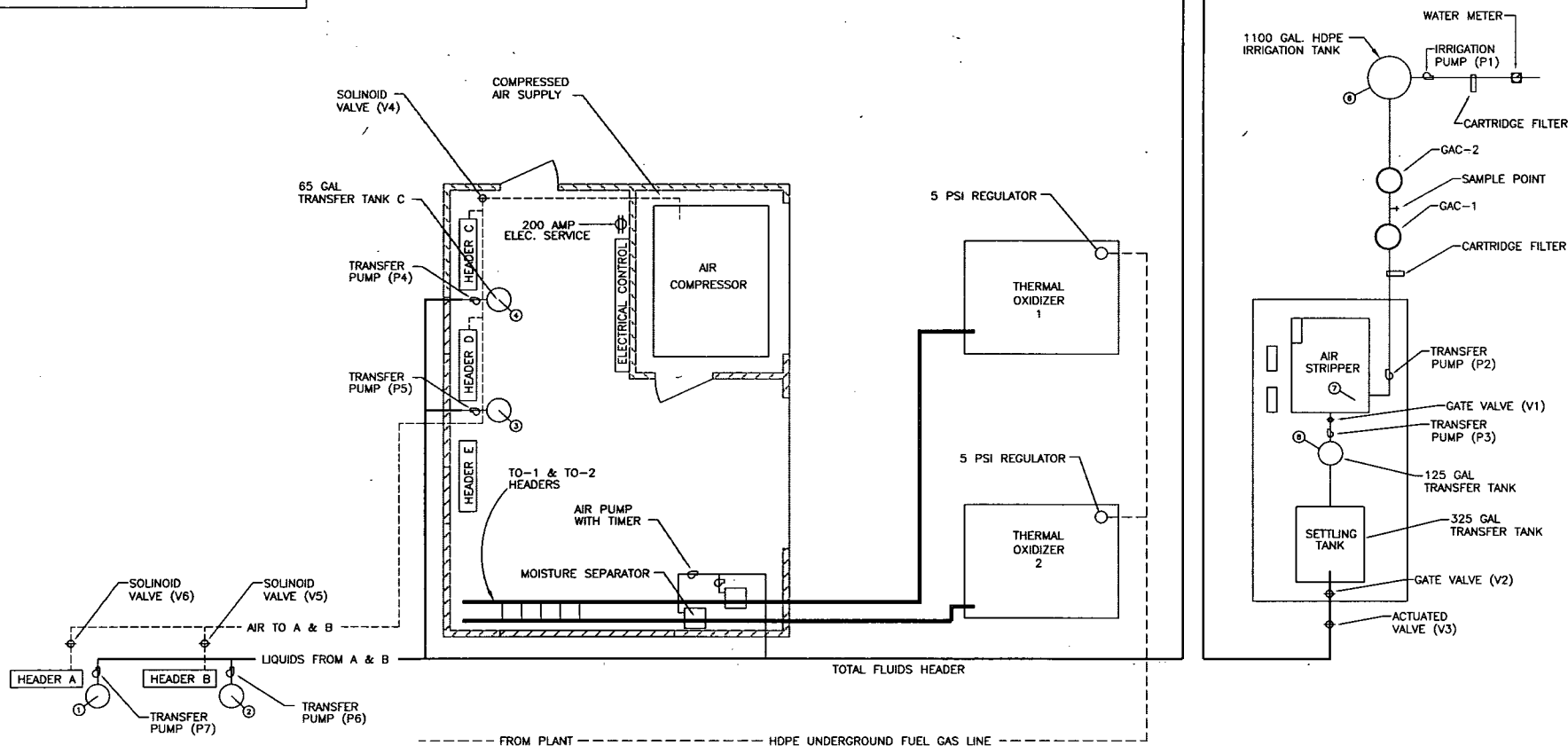


LEGEND FOR CONTROLS

- ① HH:V6-CLOSE; H:P7-ON; L:P7-OFF
- ② HH:V5-CLOSE; H:P6-ON; L:P6-OFF
- ③ HH:V4-CLOSE; H:P5-ON; L:P5-OFF
- ④ HH:V4-CLOSE; H:P4-ON; L:P4-OFF
- ⑤ HH:V4-CLOSE
- ⑥ HH:V3-CLOSE; H:P1-ON; L:P1-OFF
- ⑦ HH:P3-OFF & V3-CLOSE; H:P2-ON; L:P2-OFF
- ⑧ HH:V3-CLOSE; H:P3-ON; L:P3-OFF

LEGEND FOR ALARM CONDITIONS

- ALARM #1 - UPON V4 CLOSING
- ALARM #2 - UPON V3 CLOSING



ROSWELL STATION REMEDIATION SITE

Water and Vapor Treatment Equipment, Controls, and Process Details

0 Not to Scale

TABLES

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-1 B	09/27/96	3609.96	-	61.60	2.33	3550.13
	10/31/97		58.37	59.76	1.39	3551.26
	01/26/98		58.20	60.80	2.60	3551.14
	05/25/98		58.28	60.38	2.10	3551.18
	08/10/98		58.64	59.05	0.41	3551.22
	10/11/98		58.20	61.20	3.00	3551.04
	03/21/99		60.45	60.46	0.01	3549.51
	09/07/99		(a)	60.15	(a)	3549.81
	11/19/00		57.87	60.13	2.26	3551.55
	03/27/01		57.42	59.97	2.55	3551.93
	10/03/01*		57.12	60.25	3.13	3552.09
	06/11/02		57.00	60.42	3.42	3552.14
	01/29/03		57.05	60.72	3.67	3552.03
	07/31/03		57.35	60.72	3.37	3551.80
	03/22/04		57.88	61.50	3.62	3551.21
	09/08/04		59.71	63.13	3.42	3549.43
	03/29/05		60.35	63.49	3.14	3548.86
	10/04/05		60.40	63.30	2.90	3548.86
	03/23/06		60.95	63.95	3.00	3548.29
	09/19/06		61.48	64.30	2.82	3547.80
	03/13/07		60.77	62.91	2.14	3548.68
	09/21/07		61.10	63.30	2.20	3548.33
	03/04/08		60.10	62.07	1.97	3549.39
	09/08/08		61.45	64.19	2.74	3547.85
	03/10/09		60.46	62.20	1.74	3549.08
	10/08/09		sheen	64.18	sheen	3545.78
	01/26/10		60.32	60.60	0.28	3549.57
	03/22/10		59.82	61.86	2.04	3549.65
	04/17/11		60.18	62.05	1.87	3549.33
	12/22/11		61.01	63.24	2.23	3548.41

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-2	09/27/96	3611.76	-	62.00	2.33	3551.53
	10/31/97		58.36	59.60	1.24	3553.10
	01/26/98		58.20	59.85	1.65	3553.16
	05/25/98		58.42	58.79	0.37	3553.25
	08/10/98		58.25	58.55	0.30	3553.44
	10/11/98		58.20	59.70	1.50	3553.20
	03/21/99		58.35	58.37	0.02	3553.41
	09/07/99		61.25	61.27	0.02	3550.51
	11/19/00		57.67	57.74	0.07	3554.07
	03/27/01		57.78	58.23	0.45	3553.87
	10/03/01*		58.04	58.35	0.31	3553.65
	06/11/02		58.07	59.20	1.13	3553.42
	01/29/03		58.20	60.61	2.41	3552.98
	07/31/03		58.60	59.30	0.70	3552.99
	03/22/04		58.92	59.50	0.58	3552.70
	09/08/04		59.64	60.99	1.35	3551.80
	03/29/05		(a)	59.28	(a)	3552.48
	10/04/05		59.73	61.24	1.51	3551.67
	03/23/06		60.10	61.22	1.12	3551.39
	09/19/06		60.30	61.27	0.97	3551.23
	03/13/07		59.93	60.60	0.67	3551.67
	09/21/07		59.95	61.22	1.27	3551.51
	03/04/08		60.08	61.14	1.06	3551.43
	09/08/08		(a)	59.93	(a)	3551.83
	03/10/09		(a)	59.10	(a)	3552.66
	10/08/09		(a)	60.39	(a)	3551.37
	03/22/10		(a)	59.66	(a)	3552.10
	04/17/11		(a)	59.77	(a)	3551.99
	12/22/11		(a)	59.79	(a)	3551.97

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-3	09/27/96	3614.87	(a)	64.79	(a)	3550.08
	07/23/97		(a)	64.19	(a)	3550.68
	08/19/97		(a)	64.36	(a)	3550.51
	10/30/97		(a)	64.22	(a)	3550.65
	01/26/98		(a)	64.34	(a)	3550.53
	05/25/98		(a)	64.20	(a)	3550.67
	08/10/98		(a)	64.06	(a)	3550.81
	10/11/98		(a)	64.23	(a)	3550.64
	12/21/98		(a)	64.25	(a)	3550.62
	03/23/99		(a)	64.24	(a)	3550.63
	09/07/99		(a)	63.99	(a)	3550.88
	03/27/00		(a)	63.85	(a)	3551.02
	11/19/00		(a)	63.85	(a)	3551.02
	02/12/01		(a)	63.62	(a)	3551.25
	03/27/01		(a)	63.58	(a)	3551.29
	10/03/01		(a)	63.63	(a)	3551.24
	06/11/02		(a)	63.77	(a)	3551.10
	01/29/03		(a)	63.63	(a)	3551.24
	07/31/03		(a)	63.67	(a)	3551.20
	03/22/04		(a)	64.77	(a)	3550.10
	09/08/04		(a)	65.23	(a)	3549.64
	03/29/05		(a)	65.57	(a)	3549.30
	10/04/05		(a)	66.01	(a)	3548.86
	04/17/06		(a)	66.62	(a)	3548.25
	09/19/06		(a)	66.77	(a)	3548.10
	03/13/07		(a)	66.42	(a)	3548.45
	09/21/07		(a)	66.43	(a)	3548.44
	03/04/08		(a)	65.95	(a)	3548.92
	09/08/08		(a)	66.52	(a)	3548.35
	03/10/09		(a)	66.23	(a)	3548.64
	10/08/09		(a)	66.77	(a)	3548.10
	03/22/10		(a)	66.37	(a)	3548.50
	04/17/11		(a)	66.39	(a)	3548.48
	12/22/11		(a)	66.86	(a)	3548.01

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-5	09/27/96	3612.77	(a)	62.32	(a)	3550.45
	07/23/97		(a)	61.95	(a)	3550.82
	08/19/97		(a)	62.05	(a)	3550.72
	10/30/97		(a)	61.98	(a)	3550.79
	01/26/98		(a)	61.90' Top of Pump	(a)	NA
	05/25/98		(a)		(a)	3550.80
	08/10/98		(a)	61.81	(a)	3550.96
	10/11/98		(a)	61.85	(a)	3550.92
	12/21/98		(a)	61.89	(a)	3550.88
	03/23/99		(a)	61.80	(a)	3550.97
	09/07/99		(a)	61.59	(a)	3551.18
	03/27/00		(a)	61.45	(a)	3551.32
	11/19/00		(a)	61.43	(a)	3551.34
	03/27/01		(a)	61.18	(a)	3551.59
	10/03/01		(a)	61.17	(a)	3551.60
	06/11/02		(a)	60.99	(a)	3551.78
	01/29/03		(a)	61.02	(a)	3551.75
	07/31/03		(a)	60.98	(a)	3551.79
	03/22/04		(a)	61.13	(a)	3551.64
	09/08/04		(a)	61.38	(a)	3551.39
	03/29/05		(a)	61.55	(a)	3551.22
	10/04/05		(a)	61.84	(a)	3550.93
	03/23/06		(a)	62.05	(a)	3550.72
	09/19/06		(a)	62.30	(a)	3550.47
	03/13/07		(a)	62.41	(a)	3550.36
	09/21/07		(a)	62.63	(a)	3550.14
	03/04/08		(a)	62.67	(a)	3550.10
	09/08/08		(a)	62.79	(a)	3549.98
	03/10/09		(a)	62.93	(a)	3549.84
	10/08/09		(a)	63.15	(a)	3549.62
	03/22/10		(a)	63.31	(a)	3549.46
	04/17/11		(a)	63.56	(a)	3549.21
	12/22/11		(a)	63.93	(a)	3548.84

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-6	09/27/96	3618.62	(a)	61.85	(a)	3556.77
	07/23/97		(a)	61.81	(a)	3556.81
	08/19/97		(a)	61.73	(a)	3556.89
	10/30/97		(a)	61.62	(a)	3557.00
	01/26/98		(a)	61.64	(a)	3556.98
	05/25/98		(a)	61.63	(a)	3556.99
	08/10/98		(a)	61.70	(a)	3556.92
	10/11/98		(a)	61.72	(a)	3556.90
	12/21/98		(a)	61.74	(a)	3556.88
	03/23/99		(a)	61.78	(a)	3556.84
	09/07/99		(a)	61.65	(a)	3556.97
	03/27/00		(a)	61.13	(a)	3557.49
	11/19/00		(a)	61.11	(a)	3557.51
	03/27/01		(a)	60.93	(a)	3557.69
	10/03/01		(a)	60.85	(a)	3557.77
	06/11/02		(a)	60.81	(a)	3557.81
	01/29/03		(a)	60.87	(a)	3557.75
	07/31/03		(a)	60.99	(a)	3557.63
	03/22/04		(a)	61.21	(a)	3557.41
	09/08/04		(a)	62.53	(a)	3556.09
	03/29/05		(a)	61.75	(a)	3556.87
	10/04/05		(a)	62.12	(a)	3556.50
	03/23/06		(a)	62.32	(a)	3556.30
	09/19/06		(a)	62.55	(a)	3556.07
	03/13/07		(a)	62.63	(a)	3555.99
	09/21/07		(a)	62.84	(a)	3555.78
	03/04/08		(a)	62.90	(a)	3555.72
	09/09/08		(a)	63.14	(a)	3555.48
	03/10/09		(a)	63.21	(a)	3555.41
	10/08/09		(a)	63.32	(a)	3555.30
	03/22/10		(a)	63.46	(a)	3555.16
	12/22/11		(a)	64.17	(a)	3554.45

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-7	09/27/96	3599.20	(a)	54.74	(a)	3544.46
	07/23/97		(a)	52.89	(a)	3546.31
	08/19/97		(a)	53.57	(a)	3545.63
	10/30/97		(a)	53.00	(a)	3546.20
	01/26/98		(a)	51.45	(a)	3547.75
	05/25/98		(a)	51.76	(a)	3547.44
	08/10/98		(a)	54.11	(a)	3545.09
	10/11/98		(a)	54.35	(a)	3544.85
	12/21/98		(a)	52.69	(a)	3546.51
	03/23/99		(a)	51.24	(a)	3547.96
	09/07/99		(a)	52.33	(a)	3546.87
	03/27/00		(a)	50.63	(a)	3548.57
	11/19/00		(a)	53.92	(a)	3545.28
	03/27/01		(a)	51.23	(a)	3547.97
	10/03/01		(a)	54.45	(a)	3544.75
	06/11/02		(a)	53.69	(a)	3545.51
	01/29/03		(a)	53.85	(a)	3545.35
	07/31/03		(a)	56.72	(a)	3542.48
	03/22/04		(a)	55.37	(a)	3543.83
	09/08/04		(a)	58.54	(a)	3540.66
	03/29/05		(a)	55.15	(a)	3544.05
	10/04/05		(a)	58.90	(a)	3540.30
	03/23/06		(a)	56.99	(a)	3542.21
	09/19/06		(a)	59.94	(a)	3539.26
	03/13/07		(a)	56.33	(a)	3542.87
	09/21/07		(a)	58.53	(a)	3540.67
	03/04/08		(a)	56.50	(a)	3542.70
	09/09/08		(a)	60.93	(a)	3538.27
	03/10/09		(a)	58.24	(a)	3540.96
	10/08/09		(a)	62.12	(a)	3537.08
	03/22/10		(a)	58.68	(a)	3540.52
	04/17/11		(a)	59.42	(a)	3539.78
	12/22/11		(a)	63.09	(a)	3536.11

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-8	09/27/96	3595.80	(a)	51.98	(a)	3543.82
	07/23/97		(a)	50.14	(a)	3545.66
	08/19/97		(a)	50.92	(a)	3544.88
	10/30/97		(a)	50.18	(a)	3545.62
	01/26/98		(a)	48.52	(a)	3547.28
	05/25/98		(a)	49.02	(a)	3546.78
	08/10/98		(a)	51.40	(a)	3544.40
	10/11/98		(a)	51.60	(a)	3544.20
	12/21/98		(a)	49.84	(a)	3545.96
	03/23/99		(a)	48.30	(a)	3547.50
	09/07/99		(a)	49.42	(a)	3546.38
	03/27/00		(a)	47.63	(a)	3548.17
	11/19/00		(a)	50.97	(a)	3544.83
	02/12/01		(a)	48.85	(a)	3546.95
	03/27/01		(a)	48.21	(a)	3547.59
	10/03/01		(a)	51.45	(a)	3544.35
	06/11/02		(a)	50.90	(a)	3544.90
	01/29/03		(a)	50.81	(a)	3544.99
	07/31/03		(a)	54.00	(a)	3541.80
	03/22/04		(a)	52.24	(a)	3543.56
	09/08/04		(a)	55.76	(a)	3540.04
	03/29/05		(a)	52.56	(a)	3543.24
	10/04/05		(a)	55.96	(a)	3539.84
	03/23/06		(a)	54.21	(a)	3541.59
	09/19/06		(a)	57.00	(a)	3538.80
	03/13/07		(a)	53.34	(a)	3542.46
	09/21/07		(a)	55.75	(a)	3540.05
	03/04/08		(a)	53.90	(a)	3541.90
	09/09/08		(a)	58.00	(a)	3537.80
	03/10/09		(a)	55.36	(a)	3540.44
	10/08/09		(a)	59.04	(a)	3536.76
	03/22/10		(a)	55.56	(a)	3540.24
	04/17/11		(a)	56.48	(a)	3539.32
	12/22/11		(a)	60.00	(a)	3535.80

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-9	09/27/96	3599.35	(a)	50.27	(a)	3549.08
	07/23/97		(a)	50.07	(a)	3549.28
	08/19/97		(a)	50.09	(a)	3549.26
	10/30/97		(a)	50.18	(a)	3549.17
	01/26/98		(a)	50.10	(a)	3549.25
	05/25/98		(a)	50.13	(a)	3549.22
	08/10/98		(a)	50.18	(a)	3549.17
	10/11/98		(a)	50.20	(a)	3549.15
	12/21/98		(a)	50.26	(a)	3549.09
	03/23/99		(a)	50.19	(a)	3549.16
	09/07/99		(a)	50.17	(a)	3549.18
	03/27/00		(a)	50.17	(a)	3549.18
	11/19/00		(a)	50.25	(a)	3549.10
	02/12/01		(a)	50.19	(a)	3549.16
	03/27/01		(a)	50.19	(a)	3549.16
	10/03/01		(a)	50.30	(a)	3549.05
	06/11/02		(a)	50.20	(a)	3549.15
	01/29/03		(a)	50.18	(a)	3549.17
	07/31/03		(a)	50.28	(a)	3549.07
	03/22/04		(a)	50.43	(a)	3548.92
	09/08/04		(a)	50.45	(a)	3548.90
	03/29/05		(a)	50.54	(a)	3548.81
	10/04/05		(a)	50.75	(a)	3548.60
	03/23/06		(a)	50.73	(a)	3548.62
	09/19/06		(a)	50.98	(a)	3548.37
	03/13/07		(a)	51.14	(a)	3548.21
	09/21/07		(a)	51.26	(a)	3548.09
	03/04/08		(a)	51.39	(a)	3547.96
	09/08/08		(a)	51.53	(a)	3547.82
	03/10/09		(a)	51.78	(a)	3547.57
	10/08/09		(a)	51.93	(a)	3547.42
	03/22/10		(a)	51.86	(a)	3547.49
	04/17/11		(a)	51.96	(a)	3547.39
	12/22/11		(a)	52.26	(a)	3547.09

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-10	09/27/96	3617.85	(a)	67.21	(a)	3550.64
	07/23/97		(a)	66.83	(a)	3551.02
	08/19/97		(a)	66.93	(a)	3550.92
	10/30/97		(a)	66.83	(a)	3551.02
	01/26/98		(a)	66.58 Top of Pump	(a)	NA
	05/25/98		(a)	66.91	(a)	3550.94
	08/10/98		(a)	66.65	(a)	3551.20
	10/11/98		(a)	66.59 Top of Pump	(a)	NA
	12/21/98		(a)	66.79	(a)	3551.06
	03/23/99		(a)	66.72	(a)	3551.13
	09/07/99		(a)	66.49	(a)	3551.36
	03/27/00		(a)	66.34	(a)	3551.51
	11/19/00		(a)	66.30	(a)	3551.55
	03/27/01		(a)	66.10	(a)	3551.75
	10/03/01		(a)	66.08	(a)	3551.77
	06/11/02		(a)	65.95	(a)	3551.90
	01/29/03		(a)	66.04	(a)	3551.81
	07/31/03		(a)	66.04	(a)	3551.81
	03/22/04		(a)	66.61	(a)	3551.24
	09/08/04		(a)	67.44	(a)	3550.41
	03/29/05		(a)	67.52	(a)	3550.33
	03/23/06		(a)	68.45	(a)	3549.40
	09/19/06		(a)	68.66	(a)	3549.19
	03/13/07		(a)	68.44	(a)	3549.41
	09/21/07		(a)	68.58	(a)	3549.27
	03/04/08		(a)	68.58	(a)	3549.27
	09/09/08		(a)	69.03	(a)	3548.82
	03/10/09		(a)	68.49	(a)	3549.36
	10/08/09		(a)	69.18	(a)	3548.67
	03/22/10		(a)	68.85	(a)	3549.00
	04/17/11		(a)	68.85	(a)	3549.00
	12/22/11		(a)	69.32	(a)	3548.53

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-11	09/27/96	3613.31	(a)	62.90	(a)	3550.41
	07/23/97		(a)	62.44	(a)	3550.87
	08/19/97		(a)	62.53	(a)	3550.78
	10/30/97		(a)	62.40	(a)	3550.91
	01/26/98		(a)	62.20 Top of Pump	(a)	NA
	05/25/98		(a)	62.22	(a)	3551.09
	08/10/98		(a)	62.18	(a)	3551.13
	10/11/98		(a)	62.21 Top of Pump	(a)	NA
	12/21/98		(a)	62.42	(a)	3550.89
	03/23/99		(a)	62.26	(a)	3551.05
	09/07/99		(a)	62.01	(a)	3551.30
	03/27/00		(a)	61.77	(a)	3551.54
	11/19/00		(a)	61.85	(a)	3551.46
	03/27/01		(a)	61.61	(a)	3551.70
	10/03/01		(a)	61.63	(a)	3551.68
	06/11/02		(a)	61.47	(a)	3551.84
	01/29/03		(a)	61.60	(a)	3551.71
	07/31/03		(a)	61.64	(a)	3551.67
	03/22/04		(a)	62.46	(a)	3550.85
	09/08/04		(a)	63.43	(a)	3549.88
	03/29/05		(a)	63.40	(a)	3549.91
	10/04/05		(a)	64.31	(a)	3549.00
	03/23/06		(a)	64.65	(a)	3548.66
	09/19/06		(a)	64.80	(a)	3548.51
	03/13/07		(a)	64.31	(a)	3549.00
	09/21/07		(a)	64.32	(a)	3548.99
	03/04/08		(a)	63.92	(a)	3549.39
	09/09/08		(a)	64.93	(a)	3548.38
	03/10/09		(a)	64.30	(a)	3549.01
	10/08/09		(a)	65.39	(a)	3547.92
	03/22/10		(a)	64.69	(a)	3548.62
	04/17/11		(a)	64.55	(a)	3548.76
	12/22/11		(a)	65.36	(a)	3547.95

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-12	09/27/96	3606.38	(a)	55.58	(a)	3550.80
	07/23/97		(a)	53.99	(a)	3552.39
	08/19/97		(a)	53.96	(a)	3552.42
	10/30/97		(a)	53.61	(a)	3552.77
	01/26/98		(a)	53.55	(a)	3552.83
	05/25/98		(a)	53.36	(a)	3553.02
	08/10/98		(a)	53.30	(a)	3553.08
	10/11/98		(a)	53.55	(a)	3552.83
	12/21/98		(a)	53.65	(a)	3552.73
	03/23/99		(a)	53.50	(a)	3552.88
	09/07/99		(a)	52.79	(a)	3553.59
	03/27/00		(a)	52.46	(a)	3553.92
	11/19/00		(a)	53.18	(a)	3553.20
	03/27/01		(a)	52.91	(a)	3553.47
	10/03/01		(a)	52.91	(a)	3553.47
	06/11/02		(a)	53.30	(a)	3553.08
	01/29/03		(a)	53.95	(a)	3552.43
	07/31/03		(a)	54.02	(a)	3552.36
	03/22/04		(a)	54.62	(a)	3551.76
	09/08/04		(a)	55.41	(a)	3550.97
	03/29/05		(a)	55.83	(a)	3550.55
	10/04/05		(a)	56.16	(a)	3550.22
	03/23/06		(a)	56.80	(a)	3549.58
	09/19/06		(a)	57.23	(a)	3549.15
	03/13/07		(a)	56.37	(a)	3550.01
	09/21/07		(a)	56.09	(a)	3550.29
	03/04/08		(a)	55.80	(a)	3550.58
	09/09/08		56.70	56.71	0.01	3549.68
	03/10/09		56.16	56.57	0.41	3550.12
	10/08/09		57.17	57.18	0.01	3549.21
	01/26/10		(a)	56.95	(a)	3549.43
	03/22/10		56.34	58.23	1.89	3549.59
	04/17/11		56.00	57.47	1.47	3550.03
	12/22/11		57.01	57.18	0.17	3549.33

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-13	09/27/96	3612.46	(a)	62.30	(a)	3550.16
	07/23/97		(a)	61.85	(a)	3550.61
	08/19/97		(a)	61.95	(a)	3550.51
	10/30/97		(a)	61.68	(a)	3550.78
	01/26/98		(a)	61.90	(a)	3550.56
	05/25/98		(a)	61.79	(a)	3550.67
	08/10/98		(a)	61.78	(a)	3550.68
	10/11/98		(a)	61.88	(a)	3550.58
	12/21/98		(a)	61.71	(a)	3550.75
	03/23/99		(a)	61.83	(a)	3550.63
	09/07/99		(a)	61.64	(a)	3550.82
	03/27/00		(a)	61.33	(a)	3551.13
	11/19/00		(a)	61.48	(a)	3550.98
	03/27/01		(a)	61.05	(a)	3551.41
	10/03/01		(a)	61.10	(a)	3551.36
	06/11/02		(a)	61.05	(a)	3551.41
	01/29/03		(a)	60.99	(a)	3551.47
	07/31/03		(a)	61.33	(a)	3551.13
	03/22/04		(a)	61.77	(a)	3550.69
	09/08/04		(a)	63.02	(a)	3549.44
	03/29/05		(a)	63.29	(a)	3549.17
	10/04/05		(a)	63.61	(a)	3548.85
	03/23/06		(a)	64.25	(a)	3548.21
	09/19/06		(a)	64.65	(a)	3547.81
	03/13/07		(a)	63.96	(a)	3548.50
	09/21/07		(a)	64.14	(a)	3548.32
	03/04/08		(a)	63.34	(a)	3549.12
	09/09/08		(a)	64.30	(a)	3548.16
	03/10/09		(a)	63.76	(a)	3548.70
	10/08/09		(a)	64.35	(a)	3548.11
	01/26/10		(a)	64.05	(a)	3548.41
	03/22/10		(a)	63.78	(a)	3548.68
	04/17/11		(a)	63.65	(a)	3548.81
	12/22/11		(a)	64.64	(a)	3547.82

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-14	09/27/96	3604.83	(a)	53.38	(a)	3551.45
	07/23/97		(a)	53.33	(a)	3551.50
	08/19/97		(a)	53.06	(a)	3551.77
	10/30/97		(a)	53.20	(a)	3551.63
	01/26/98		(a)	53.41	(a)	3551.42
	05/25/98		(a)	53.40	(a)	3551.43
	08/10/98		(a)	53.43	(a)	3551.40
	10/11/98		(a)	53.56	(a)	3551.27
	12/21/98		(a)	53.53	(a)	3551.30
	03/23/99		(a)	53.55	(a)	3551.28
	09/07/99		(a)	53.41	(a)	3551.42
	03/27/00		(a)	53.05	(a)	3551.78
	11/19/00		(a)	52.95	(a)	3551.88
	03/27/01		(a)	52.67	(a)	3552.16
	10/03/01		(a)	52.61	(a)	3552.22
	06/11/02		(a)	52.42	(a)	3552.41
	01/29/03		(a)	52.51	(a)	3552.32
	07/31/03		(a)	52.80	(a)	3552.03
	03/22/04		(a)	53.51	(a)	3551.32
	09/08/04		(a)	53.87	(a)	3550.96
	03/29/05		(a)	54.28	(a)	3550.55
	10/04/05		(a)	54.60	(a)	3550.23
	03/23/06		(a)	54.89	(a)	3549.94
	09/19/06		(a)	55.26	(a)	3549.57
	03/13/07		(a)	55.16	(a)	3549.67
	09/21/07		(a)	55.16	(a)	3549.67
	03/04/08		(a)	54.66	(a)	3550.17
	09/09/08		(a)	54.68	(a)	3550.15
	03/10/09		(a)	54.43	(a)	3550.40
	10/08/09		(a)	54.57	(a)	3550.26
	03/22/10		(a)	54.23	(a)	3550.60
	04/17/11		(a)	54.72	(a)	3550.11
	12/22/11		(a)	55.43	(a)	3549.40

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-15	09/27/96	3610.43	(a)	58.77	(a)	3551.66
	07/23/97		(a)	58.75	(a)	3551.68
	08/19/97		(a)	58.84	(a)	3551.59
	10/30/97		(a)	58.83	(a)	3551.60
	01/26/98		(a)	58.97	(a)	3551.46
	05/25/98		(a)	58.96	(a)	3551.47
	08/10/98		(a)	58.92	(a)	3551.51
	10/11/98		(a)	59.02	(a)	3551.41
	12/21/98		(a)	59.04	(a)	3551.39
	03/23/99		(a)	59.09	(a)	3551.34
	09/07/99		(a)	58.98	(a)	3551.45
	03/27/00		(a)	59.03	(a)	3551.40
	11/19/00		(a)	59.18	(a)	3551.25
	03/27/01		(a)	59.07	(a)	3551.36
	10/03/01		(a)	59.15	(a)	3551.28
	06/11/02		(a)	59.16	(a)	3551.27
	01/29/03		(a)	59.18	(a)	3551.25
	07/31/03		(a)	59.15	(a)	3551.28
	03/22/04		(a)	59.21	(a)	3551.22
	09/08/04		(a)	59.32	(a)	3551.11
	03/29/05		(a)	59.53	(a)	3550.90
	10/04/05		(a)	59.61	(a)	3550.82
	03/23/06		(a)	59.74	(a)	3550.69
	09/19/06		(a)	59.81	(a)	3550.62
	03/13/07		(a)	59.89	(a)	3550.54
	09/21/07		(a)	60.02	(a)	3550.41
	03/04/08		(a)	59.96	(a)	3550.47
	09/09/08		(a)	59.98	(a)	3550.45
	03/10/09		(a)	59.30	(a)	3551.13
	10/08/09		(a)	58.82	(a)	3551.61
	03/22/10		(a)	58.43	(a)	3552.00
	04/17/11		(a)	58.94	(a)	3551.49
	12/22/11		(a)	59.26	(a)	3551.17

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-16	09/27/96	3612.41	-	67.16	4.01	3548.30
	07/23/97		-	66.46	4.87	3549.65
	08/19/97		-	66.54	4.89	3549.59
	10/31/97		61.58	66.32	4.74	3549.69
	01/26/98		61.55	66.12	4.57	3549.76
	05/25/98		61.56	66.09	4.53	3549.76
	08/10/98		61.49	66.31	4.82	3549.76
	10/11/98		61.59	66.38	4.79	3549.67
	12/21/98		61.59	66.17	4.58	3549.72
	03/23/99		61.42	65.97	4.55	3549.90
	09/07/99		61.40	66.14	4.74	3549.87
	03/27/00		61.14	65.71	4.57	3550.17
	11/19/00		61.30	65.79	4.49	3550.03
	02/12/01		61.21	65.65	4.44	3550.13
	03/27/01		61.13	65.57	4.44	3550.21
	10/03/01*		61.15	65.82	4.67	3550.14
	06/11/02		61.12	65.65	4.53	3550.20
	07/31/03		61.68	66.38	4.70	3549.60
	03/22/04		62.67	65.90	3.23	3548.96
	09/08/04		63.68	66.84	3.16	3547.97
	03/29/05		64.82	67.71	2.89	3546.90
	10/05/05		64.73	66.51	1.78	3547.25
	03/23/06		65.60	67.70	2.10	3546.31
	09/19/06		67.91	68.84	0.93	3544.28
	03/13/07		66.37	66.53	0.16	3546.00
	09/21/07		65.95	66.03	0.08	3546.44
	03/04/08		(a)	65.04	(a)	3547.37
	09/09/08		(a)	66.00	(a)	3546.41
	03/10/09		65.25	65.26	0.01	3547.16
	10/08/09		65.91	65.92	0.01	3546.50
	01/26/10		(a)	65.57	(a)	3546.84
	03/22/10		(a)	65.19	sheen	3547.22
	04/17/11		(a)	65.36	(a)	3547.05
	12/22/11		(a)	65.99	sheen	3546.42

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-17	09/27/96	3608.48	(a)	59.30	(a)	3549.18
	07/23/97		(a)	58.79	(a)	3549.69
	08/19/97		(a)	58.94	(a)	3549.54
	10/30/97		(a)	58.85	(a)	3549.63
	01/26/98		(a)	58.90	(a)	3549.58
	05/25/98		(a)	58.83	(a)	3549.65
	08/10/98		(a)	58.78	(a)	3549.70
	10/11/98		(a)	58.93	(a)	3549.55
	12/21/98		(a)	58.97	(a)	3549.51
	03/23/99		(a)	58.87	(a)	3549.61
	09/07/99		(a)	58.72	(a)	3549.76
	03/27/00		(a)	58.56	(a)	3549.92
	11/19/00	3608.43 (d)	(a)	58.76	(a)	3549.67
	02/12/01		(a)	58.55	(a)	3549.88
	03/27/01		(a)	58.49	(a)	3549.94
	10/03/01		(a)	58.50	(a)	3549.93
	06/11/02		(a)	58.45	(a)	3549.98
	01/29/03		(a)	58.45	(a)	3549.98
	07/31/03		(a)	58.87	(a)	3549.56
	03/22/04		(a)	59.15	(a)	3549.28
	09/08/04		(a)	59.54	(a)	3548.89
	03/29/05		(a)	60.09	(a)	3548.34
	10/04/05		(a)	60.45	(a)	3547.98
	03/23/06		(a)	60.71	(a)	3547.72
	09/19/06		(a)	62.16	(a)	3546.27
	03/13/07		(a)	61.54	(a)	3546.89
	09/21/07		(a)	61.74	(a)	3546.69
	03/04/08		(a)	60.83	(a)	3547.60
	09/09/08		(a)	61.55	(a)	3546.88
	03/10/09		(a)	61.20	(a)	3547.23
	10/08/09		(a)	61.64	(a)	3546.79
	03/22/10		(a)	60.95	(a)	3547.48
	04/17/11		(a)	61.11	(a)	3547.32
	12/22/11		(a)	61.42	(a)	3547.01

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-18	09/27/96	3609.73	(a)	dry	(a)	NA
	07/23/97		(a)	58.29	(a)	3551.44
	08/19/97		(a)	64.81	(a)	still recovering
	10/30/97		(a)	58.61	(a)	3551.12
	01/26/98		(a)	58.60	(a)	3551.13
	05/25/98		(a)	58.51	(a)	3551.22
	08/10/98		(a)	58.74	(a)	3550.99
	10/11/98		(a)	59.02	(a)	3550.71
	12/21/98		(a)	58.53	(a)	3551.20
	03/23/99		(a)	58.70	(a)	3551.03
	09/07/99		(a)	58.48	(a)	3551.25
	03/27/00		(a)	58.51	(a)	3551.22
	11/19/00		(a)	58.62	(a)	3551.11
	02/12/01		(a)	58.58	(a)	3551.15
	03/27/01		(a)	58.57	(a)	3551.16
	10/03/01		(a)	58.67	(a)	3551.06
	06/11/02		(a)	58.63	(a)	3551.10
	01/29/03		(a)	58.67	(a)	3551.06
	07/31/03		(a)	58.71	(a)	3551.02
	03/22/04		(a)	58.78	(a)	3550.95
	09/08/04		(a)	58.85	(a)	3550.88
	03/29/05		(a)	58.95	(a)	3550.78
	10/04/05		(a)	59.09	(a)	3550.64
	03/23/06		(a)	59.20	(a)	3550.53
	09/19/06		(a)	58.29	(a)	3551.44
	03/13/07		(a)	59.43	(a)	3550.30
	09/21/07		(a)	59.55	(a)	3550.18
	03/04/08		(a)	59.62	(a)	3550.11
	09/09/08		(a)	59.68	(a)	3550.05
	03/10/09		(a)	59.37	(a)	3550.36
	10/08/09		(a)	59.15	(a)	3550.58
	03/22/10		(a)	58.95	(a)	3550.78
	04/17/11		(a)	59.09	(a)	3550.64
	12/22/11		(a)	59.36	(a)	3550.37

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-19	09/27/96	3608.17	(a)	57.95	(a)	3550.22
	07/23/97		(a)	56.03	(a)	3552.14
	08/19/97		(a)	56.20	(a)	3551.97
	10/30/97		(a)	56.17	(a)	3552.00
	01/26/98		(a)	56.28	(a)	3551.89
	05/25/98		(a)	56.29	(a)	3551.88
	08/10/98		(a)	56.38	(a)	3551.79
	10/11/98		(a)	56.39	(a)	3551.78
	12/21/98		(a)	56.41	(a)	3551.76
	03/23/99		(a)	56.41	(a)	3551.76
	09/07/99		(a)	56.35	(a)	3551.82
	03/27/00		(a)	56.37	(a)	3551.80
	11/19/00		(a)	56.52	(a)	3551.65
	03/27/01		(a)	56.43	(a)	3551.74
	10/03/01		(a)	56.50	(a)	3551.67
	06/11/02		(a)	56.54	(a)	3551.63
	01/29/03		(a)	56.58	(a)	3551.59
	07/31/03		(a)	56.59	(a)	3551.58
	03/22/04		(a)	56.65	(a)	3551.52
	09/08/04		(a)	56.75	(a)	3551.42
	03/29/05		(a)	56.90	(a)	3551.27
	10/04/05		(a)	56.98	(a)	3551.19
	03/23/06		(a)	57.08	(a)	3551.09
	09/19/06		(a)	57.07	(a)	3551.10
	03/13/07		(a)	57.06	(a)	3551.11
	09/21/07		(a)	57.18	(a)	3550.99
	03/04/08		(a)	57.08	(a)	3551.09
	09/09/08		(a)	58.04	(a)	3550.13
	03/10/09		(a)	56.03	(a)	3552.14
	10/08/09		(a)	54.63	(a)	3553.54
	03/22/10		(a)	54.60	(a)	3553.57
	04/17/11		(a)	55.55	(a)	3552.62
	12/22/11		(a)	56.12	(a)	3552.05

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-20	08/19/97	3600.65	(a)	49.50	(a)	3551.15
	10/30/97		(a)	49.47	(a)	3551.18
	01/26/98		(a)	49.37	(a)	3551.28
	05/25/98		(a)	49.21	(a)	3551.44
	08/10/98		(a)	49.41	(a)	3551.24
	10/11/98		(a)	49.68	(a)	3550.97
	12/21/98		(a)	49.62	(a)	3551.03
	03/23/99		(a)	49.38	(a)	3551.27
	09/07/99		(a)	48.55	(a)	3552.10
	03/27/00		(a)	48.21	(a)	3552.44
	11/19/00		(a)	49.10	(a)	3551.55
	03/27/01		(a)	48.62	(a)	3552.03
	10/03/01		(a)	48.82	(a)	3551.83
	06/11/02		(a)	48.98	(a)	3551.67
	01/29/03		(a)	49.31	(a)	3551.34
	07/31/03		(a)	49.50	(a)	3551.15
	03/22/04		(a)	50.35	(a)	3550.30
	09/08/04		(a)	51.23	(a)	3549.42
	03/29/05		(a)	51.75	(a)	3548.90
	10/04/05		(a)	51.95	(a)	3548.70
	03/23/06		(a)	52.81	(a)	3547.84
	09/19/06		(a)	53.41	(a)	3547.24
	03/13/07		(a)	52.11	(a)	3548.54
	09/21/07		(a)	51.96	(a)	3548.69
	03/04/08		(a)	51.53	(a)	3549.12
	09/09/08		(a)	55.17	(a)	3545.48
	03/10/09		(a)	52.08	(a)	3548.57
	10/08/09		(a)	58.30	(a)	3542.35
	10/09/09		(a)	55.57	(a)	3545.08
	03/22/10		(a)	52.62	(a)	3548.03
	04/17/11		(a)	52.43	(a)	3548.22
	12/22/11		(a)	58.35	(a)	3542.30

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-21	08/07/97	3612.01	(a)	63.64	(a)	3548.37
	10/30/97		(a)	62.58	(a)	3549.43
	01/26/98		(a)	62.76	(a)	3549.25
	05/25/98		(a)	62.57	(a)	3549.44
	08/10/98		(a)	62.47	(a)	3549.54
	10/11/98		(a)	62.60	(a)	3549.41
	12/21/98		(a)	62.59	(a)	3549.42
	03/23/99		(a)	62.50	(a)	3549.51
	09/07/99		(a)	62.27	(a)	3549.74
	03/27/00		(a)	62.10	(a)	3549.91
	11/19/00	3611.99 (d)	(a)	62.37	(a)	3549.62
	02/12/01		(a)	62.14	(a)	3549.85
	03/27/01		(a)	61.99	(a)	3550.00
	10/03/01		(a)	61.99	(a)	3550.00
	06/11/02		(a)	62.00	(a)	3549.99
	01/29/03		(a)	61.96	(a)	3550.03
	07/31/03		(a)	61.40	(a)	3550.59
	03/22/04		(a)	61.97	(a)	3550.02
	09/08/04		(a)	63.10	(a)	3548.89
	03/29/05		(a)	63.62	(a)	3548.37
	10/05/05		(a)	64.67	(a)	3547.32
	03/23/06		(a)	64.85	(a)	3547.14
	09/19/06		(a)	65.38	(a)	3546.61
	03/13/07		(a)	64.85	(a)	3547.14
	09/21/07		(a)	65.20	(a)	3546.79
	03/04/08		(a)	64.64	(a)	3547.35
	09/09/08		(a)	65.93	(a)	3546.06
	03/10/09		(a)	65.43	(a)	3546.56
	10/08/09		(a)	66.30	(a)	3545.69
	01/26/10		(a)	65.79	(a)	3546.20
	03/22/10		(a)	65.31	(a)	3546.68
	04/17/11		(a)	65.02	(a)	3546.97
	12/22/11		(a)	65.28	(a)	3546.71

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-22	08/19/97	3606.04	(a)	55.36	(a)	3550.68
	10/30/97		(a)	55.24	(a)	3550.80
	01/26/98		(a)	55.19	(a)	3550.85
	05/25/98		(a)	54.99	(a)	3551.05
	08/10/98		(a)	54.93	(a)	3551.11
	10/11/98		(a)	55.09	(a)	3550.95
	12/21/98		(a)	55.18	(a)	3550.86
	03/23/99		(a)	55.04	(a)	3551.00
	09/07/99		(a)	54.72	(a)	3551.32
	03/27/00		(a)	54.41	(a)	3551.63
	11/19/00		(a)	54.65	(a)	3551.39
	03/27/01		(a)	54.36	(a)	3551.68
	10/03/01		(a)	54.34	(a)	3551.70
	06/11/02		(a)	54.31	(a)	3551.73
	01/29/03		(a)	54.35	(a)	3551.69
	07/31/03		(a)	54.52	(a)	3551.52
	03/22/04		(a)	55.28	(a)	3550.76
	09/08/04		(a)	56.25	(a)	3549.79
	03/29/05		(a)	56.52	(a)	3549.52
	10/04/05		(a)	56.83	(a)	3549.21
	03/23/06		(a)	57.43	(a)	3548.61
	09/19/06		(a)	57.65	(a)	3548.39
	03/13/07		(a)	57.10	(a)	3548.94
	09/21/07		(a)	57.07	(a)	3548.97
	03/04/08		(a)	56.83	(a)	3549.21
	09/09/08		(a)	57.70	(a)	3548.34
	03/10/09		(a)	57.14	(a)	3548.90
	10/08/09		(a)	58.25	(a)	3547.79
	03/22/10		(a)	57.33	(a)	3548.71
	04/17/11		(a)	57.38	(a)	3548.66
	12/22/11		(a)	58.65	(a)	3547.39

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-26	10/11/98	3597.75 (c)	(a)	47.31	(a)	3550.44
	10/29/98		(a)	47.53	(a)	3550.22
	12/21/98		(a)	47.24	(a)	3550.51
	03/23/99		(a)	46.86	(a)	3550.89
	09/07/99		(a)	46.07	(a)	3551.68
	03/27/00		(a)	45.70	(a)	3552.05
	11/19/00		(a)	46.83	(a)	3550.92
	03/27/01		(a)	46.23	(a)	3551.52
	10/03/01		(a)	46.58	(a)	3551.17
	06/11/02		(a)	46.71	(a)	3551.04
	01/29/03		(a)	47.21	(a)	3550.54
	07/31/03		(a)	47.55	(a)	3550.20
	03/22/04		(a)	48.21	(a)	3549.54
	09/08/04		(a)	49.04	(a)	3548.71
	03/29/05		(a)	49.40	(a)	3548.35
	10/04/05		(a)	49.76	(a)	3547.99
	03/23/06		(a)	50.28	(a)	3547.47
	09/19/06		(a)	51.05	(a)	3546.70
	03/13/07		(a)	50.15	(a)	3547.60
	09/21/07		(a)	50.02	(a)	3547.73
	03/04/08		(a)	49.53	(a)	3548.22
	09/09/08		(a)	51.86	(a)	3545.89
	03/10/09		(a)	50.11	(a)	3547.64
	10/08/09		(a)	52.35	(a)	3545.40
	03/22/10		(a)	50.52	(a)	3547.23
	04/17/11		(a)	50.45	(a)	3547.30
	12/22/11		(a)	51.70	(a)	3546.05
MW-27	10/11/98	3615.11 (c)	64.85	68.00	3.15	3549.50
	12/21/98		64.83	68.03	3.20	3549.51
	03/23/99		64.78	67.91	3.13	3549.58
	09/07/99		64.53	67.67	3.14	3549.83
	03/27/00		64.40	67.53	3.13	3549.96
	11/19/00	3615.11 (d)	64.59	67.51	2.92	3549.82
	02/12/01		64.40	67.53	3.13	3549.96
	03/27/01		64.28	67.57	3.29	3550.04
	10/03/01*		64.17	67.39	3.22	3550.17
	06/11/02		64.18	67.23	3.05	3550.20
	01/29/03		64.20	67.30	3.10	3550.17
	07/31/03		64.58	67.43	2.85	3549.85
	03/22/04		65.14	67.95	2.81	3549.30
	09/08/04		65.90	69.62	3.72	3548.32
	03/29/05		66.57	68.87	2.30	3547.99
	10/05/05		67.11	70.30	3.19	3547.23
	03/23/06		67.39	69.55	2.16	3547.20
	09/19/06		67.75	70.43	2.68	3546.72
	03/13/07		67.80	68.12	0.32	3547.23
	09/21/07		67.90	68.44	0.54	3547.08
	03/04/08		67.75	68.11	0.36	3547.27
	09/09/08		67.85	68.28	0.43	3547.16
	03/10/09		67.85	68.18	0.33	3547.18
	10/08/09		68.38	68.89	0.51	3546.61
	01/26/10		68.48	68.88	0.40	3546.53
	03/22/10		68.31	68.73	0.42	3546.70
	04/17/11		68.10	68.26	0.16	3546.97
	12/22/11		68.21	68.35	0.14	3546.87

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-28	11/19/00	3615.90 (d)	(a)	65.91	(a)	3549.99
	02/12/01		(a)	65.84	(a)	3550.06
	03/27/01		(a)	65.77	(a)	3550.13
	10/03/01		(a)	65.75	(a)	3550.15
	06/11/02		(a)	65.68	(a)	3550.22
	01/29/03		(a)	65.64	(a)	3550.26
	07/31/03		(a)	65.83	(a)	3550.07
	03/22/04		(a)	66.35	(a)	3549.55
	09/08/04		(a)	66.85	(a)	3549.05
	03/29/05		(a)	67.35	(a)	3548.55
	10/05/05		(a)	67.83	(a)	3548.07
	03/23/06		(a)	68.03	(a)	3547.87
	09/19/06		(a)	68.41	(a)	3547.49
	03/13/07		(a)	68.35	(a)	3547.55
	09/21/07		(a)	68.51	(a)	3547.39
	03/04/08		(a)	68.20	(a)	3547.70
	09/09/08		(a)	68.60	(a)	3547.30
	03/10/09		(a)	68.70	(a)	3547.20
	10/08/09		(a)	68.94	(a)	3546.96
	03/22/10		(a)	68.71	(a)	3547.19
	04/17/11		(a)	68.95	(a)	3546.95
	12/22/11		(a)	69.01	(a)	3546.89
MW-29	11/19/00	3613.54 (d)	(a)	64.85	(a)	3548.69
	02/12/01		(a)	64.61	(a)	3548.93
	03/27/01		(a)	64.47	(a)	3549.07
	10/03/01		(a)	64.51	(a)	3549.03
	06/11/02		(a)	64.67	(a)	3548.87
	01/29/03		(a)	64.80	(a)	3548.74
	07/31/03		(a)	65.05	(a)	3548.49
	03/22/04		(a)	65.44	(a)	3548.10
	09/08/04		(a)	65.91	(a)	3547.63
	03/29/05		(a)	66.13	(a)	3547.41
	10/05/05		(a)	66.61	(a)	3546.93
	03/23/06		(a)	66.68	(a)	3546.86
	09/19/06		(a)	67.63	(a)	3545.91
	03/13/07		(a)	67.60	(a)	3545.94
	09/21/07		(a)	67.68	(a)	3545.86
	03/04/08		(a)	67.23	(a)	3546.31
	09/09/08		(a)	68.47	(a)	3545.07
	03/10/09		(a)	67.86	(a)	3545.68
	10/08/09		(a)	68.82	(a)	3544.72
	03/22/10		(a)	68.04	(a)	3545.50
	04/17/11		(a)	67.78	(a)	3545.76
	12/22/11		(a)	68.15	(a)	3545.39

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-30	11/19/00	3612.63 (d)	(a)	63.27	(a)	3549.36
	02/12/01		(a)	62.96	(a)	3549.67
	03/27/01		(a)	62.88	(a)	3549.75
	10/03/01		(a)	62.79	(a)	3549.84
	06/11/02		(a)	62.75	(a)	3549.88
	01/29/03		(a)	62.75	(a)	3549.88
	07/31/03		(a)	62.93	(a)	3549.70
	03/22/04		(a)	63.37	(a)	3549.26
	09/08/04		(a)	63.79	(a)	3548.84
	03/29/05		(a)	64.30	(a)	3548.33
	10/05/05		(a)	64.96	(a)	3547.67
	03/23/06		(a)	64.95	(a)	3547.68
	09/19/06		(a)	65.29	(a)	3547.34
	03/13/07		(a)	65.38	(a)	3547.25
	09/21/07		(a)	65.53	(a)	3547.10
	03/04/08		(a)	65.36	(a)	3547.27
	09/08/08		(a)	65.65	(a)	3546.98
	09/09/08		(a)	65.65	(a)	3546.98
	03/10/09		(a)	65.83	(a)	3546.80
	10/08/09		(a)	65.97	(a)	3546.66
	03/22/10		(a)	65.81	(a)	3546.82
	04/17/11		(a)	66.13	(a)	3546.50
	12/22/11		(a)	66.20	(a)	3546.43
MW-31	10/03/01	3611.59 (e)	(a)	62.37	(a)	3549.22
	06/11/02		(a)	62.41	(a)	3549.18
	01/29/03		(a)	62.30	(a)	3549.29
	07/31/03		(a)	62.38	(a)	3549.21
	03/22/04		(a)	62.51	(a)	3549.08
	09/08/04		(a)	62.75	(a)	3548.84
	03/29/05		(a)	62.91	(a)	3548.68
	10/05/05		(a)	63.13	(a)	3548.46
	03/23/06		(a)	63.37	(a)	3548.22
	09/19/06		(a)	63.47	(a)	3548.12
	03/13/07		(a)	63.48	(a)	3548.11
	09/21/07		(a)	63.71	(a)	3547.88
	03/04/08		(a)	63.62	(a)	3547.97
	09/09/08		(a)	63.93	(a)	3547.66
	03/10/09		(a)	64.08	(a)	3547.51
	10/08/09		(a)	64.27	(a)	3547.32
	03/22/10		(a)	64.04	(a)	3547.55
	04/17/11		(a)	64.32	(a)	3547.27
	12/22/11		(a)	64.37	(a)	3547.22

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-32	10/03/01	3608.73 (e)	(a)	60.65	(a)	3548.08
	06/11/02		(a)	60.75	(a)	3547.98
	01/29/03		(a)	61.05	(a)	3547.68
	07/31/03		(a)	61.30	(a)	3547.43
	03/22/04		(a)	61.66	(a)	3547.07
	09/08/04		(a)	62.09	(a)	3546.64
	03/29/05		(a)	62.03	(a)	3546.70
	10/05/05		(a)	62.78	(a)	3545.95
	03/23/06		(a)	62.62	(a)	3546.11
	09/19/06		(a)	63.18	(a)	3545.55
	03/13/07		(a)	63.52	(a)	3545.21
	09/21/07		(a)	64.11	(a)	3544.62
	03/04/08		(a)	63.75	(a)	3544.98
	09/09/08		(a)	65.94	(a)	3542.79
	03/10/09		(a)	65.01	(a)	3543.72
	10/08/09		(a)	66.29	(a)	3542.44
	03/22/10		(a)	65.44	(a)	3543.29
	04/17/11		(a)	65.15	(a)	3543.58
	12/22/11		(a)	65.42	(a)	3543.31
MW-33	10/03/01	3610.55 (e)	(a)	61.87	(a)	3548.68
	06/11/02		(a)	61.85	(a)	3548.70
	01/29/03		(a)	61.83	(a)	3548.72
	07/31/03		(a)	61.95	(a)	3548.60
	03/22/04		(a)	62.19	(a)	3548.36
	09/08/04		(a)	62.41	(a)	3548.14
	03/29/05		(a)	62.66	(a)	3547.89
	10/05/05		(a)	62.87	(a)	3547.68
	03/23/06		(a)	63.06	(a)	3547.49
	09/19/06		(a)	63.21	(a)	3547.34
	03/13/07		(a)	63.27	(a)	3547.28
	09/21/07		(a)	63.45	(a)	3547.10
	03/04/08		(a)	63.46	(a)	3547.09
	09/09/08		(a)	63.66	(a)	3546.89
	03/10/09		(a)	63.81	(a)	3546.74
	10/08/09		(a)	63.95	(a)	3546.60
	03/22/10		(a)	63.94	(a)	3546.61
	04/17/11		(a)	64.28	(a)	3546.27
	12/22/11		(a)	64.42	(a)	3546.13

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-34	01/29/03	3605.05 (f)	(a)	57.63	(a)	3547.42
	07/31/03		(a)	57.96	(a)	3547.09
	03/22/04		(a)	58.36	(a)	3546.69
	09/08/04		(a)	58.74	(a)	3546.31
	03/29/05		(a)	58.81	(a)	3546.24
	10/05/05		(a)	59.40	(a)	3545.65
	03/23/06		(a)	59.51	(a)	3545.54
	09/19/06		(a)	60.05	(a)	3545.00
	03/13/07		(a)	60.12	(a)	3544.93
	09/21/07		(a)	60.61	(a)	3544.44
	03/04/08		(a)	60.23	(a)	3544.82
	09/09/08		(a)	62.09	(a)	3542.96
	03/10/09		(a)	61.57	(a)	3543.48
	10/08/09		(a)	62.61	(a)	3542.44
	03/22/10		(a)	61.93	(a)	3543.12
	04/17/11		(a)	61.98	(a)	3543.07
	12/22/11		(a)	62.49	(a)	3542.56
MW-35	01/29/03	3601.87 (f)	(a)	54.56	(a)	3547.31
	07/31/03		(a)	54.93	(a)	3546.94
	03/22/04		(a)	55.29	(a)	3546.58
	09/08/04		(a)	55.73	(a)	3546.14
	03/29/05		(a)	55.69	(a)	3546.18
	10/05/05		(a)	56.38	(a)	3545.49
	03/23/06		(a)	56.50	(a)	3545.37
	09/19/06		(a)	57.04	(a)	3544.83
	03/13/07		(a)	56.97	(a)	3544.90
	09/21/07		(a)	57.48	(a)	3544.39
	03/04/08		(a)	57.11	(a)	3544.76
	09/09/08		(a)	58.69	(a)	3543.18
	03/10/09		(a)	58.40	(a)	3543.47
	10/08/09		(a)	59.42	(a)	3542.45
	03/22/10		(a)	58.85	(a)	3543.02
	04/17/11		(a)	58.89	(a)	3542.98
	12/22/11		(a)	59.60	(a)	3542.27
MW-36	03/22/04	3601.97 (g)	(a)	54.72	(a)	3547.25
	09/08/04		(a)	55.02	(a)	3546.95
	03/29/05		(a)	55.14	(a)	3546.83
	10/05/05		(a)	55.60	(a)	3546.37
	03/23/06		(a)	55.93	(a)	3546.04
	09/19/06		(a)	56.28	(a)	3545.69
	03/13/07		(a)	56.30	(a)	3545.67
	09/21/07		(a)	56.61	(a)	3545.36
	03/04/08		(a)	56.49	(a)	3545.48
	09/09/08		(a)	57.26	(a)	3544.71
	03/10/09		(a)	57.51	(a)	3544.46
	10/08/09		(a)	58.05	(a)	3543.92
	03/22/10		(a)	57.99	(a)	3543.98
	04/17/11		(a)	58.21	(a)	3543.76
	12/22/11		(a)	58.58	(a)	3543.39

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-37	03/22/04	3599.86 (g)	(a)	53.45	(a)	3546.41
	09/08/04		(a)	53.82	(a)	3546.04
	03/29/05		(a)	53.81	(a)	3546.05
	10/05/05		(a)	54.46	(a)	3545.40
	03/23/06		(a)	54.59	(a)	3545.27
	09/19/06		(a)	55.21	(a)	3544.65
	03/13/07		(a)	55.09	(a)	3544.77
	09/21/07		(a)	55.59	(a)	3544.27
	03/04/08		(a)	55.21	(a)	3544.65
	09/09/08		(a)	56.78	(a)	3543.08
	03/10/09		(a)	56.53	(a)	3543.33
	10/08/09		(a)	57.46	(a)	3542.40
	03/22/10		(a)	56.98	(a)	3542.88
	04/17/11		(a)	57.06	(a)	3542.80
	12/22/11		(a)	57.58	(a)	3542.28
MW-38	03/22/04	3598.11 (g)	(a)	43.80	(a)	3554.31
	09/08/04		(a)	45.11	(a)	3553.00
	03/29/05		(a)	45.06	(a)	3553.05
	10/05/05		(a)	48.18	(a)	3549.93
	03/23/06		(a)	46.38	(a)	3551.73
	09/19/06		(a)	44.25	(a)	3553.86
	03/13/07		(a)	43.30	(a)	3554.81
	09/21/07		(a)	41.54	(a)	3556.57
	03/04/08		(a)	42.48	(a)	3555.63
	09/09/08		(a)	44.75	(a)	3553.36
	03/10/09		(a)	45.91	(a)	3552.20
	10/08/09		(a)	46.07	(a)	3552.04
	03/22/10		(a)	47.01	(a)	3551.10
	04/17/11		(a)	46.37	(a)	3551.74
	12/22/11		(a)	48.05	(a)	3550.06

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-23 D	08/19/97	3605.16	(a)	62.05	(a)	3543.11
	10/30/97		(a)	59.11	(a)	3546.05
	01/26/98		(a)	56.19	(a)	3548.97
	05/06/98	3605.23 (b)	(a)	59.01	(a)	3546.22
	05/07/98		(a)	59.08	(a)	3546.15
	05/25/98		(a)	60.35	(a)	3544.88
	08/10/98		(a)	63.46	(a)	3541.77
	10/11/98	3605.00 (c)	(a)	61.26	(a)	3543.74
	10/19/98		(a)	60.92	(a)	3544.08
	12/21/98		(a)	57.68	(a)	3547.32
	03/23/99		(a)	56.42	(a)	3548.58
	09/07/99		(a)	61.13	(a)	3543.87
	03/27/00		(a)	57.14	(a)	3547.86
	11/19/00		(a)	59.80	(a)	3545.20
	03/27/01		(a)	56.89	(a)	3548.11
	10/03/01		(a)	62.57	(a)	3542.43
	06/11/02		(a)	62.93	(a)	3542.07
	01/29/03		(a)	59.51	(a)	3545.49
	07/31/03		(a)	66.97	(a)	3538.03
	03/22/04		(a)	62.15	(a)	3542.85
	09/08/04		(a)	67.11	(a)	3537.89
	03/29/05		(a)	61.75	(a)	3543.25
	10/04/05		(a)	67.34	(a)	3537.66
	03/23/06		(a)	64.32	(a)	3540.68
	09/19/06		(a)	67.23	(a)	3537.77
	03/13/07		(a)	62.70	(a)	3542.30
	09/21/07		(a)	67.03	(a)	3537.97
	03/04/08		(a)	63.47	(a)	3541.53
	09/09/08		(a)	69.47	(a)	3535.53
	03/10/09		(a)	65.10	(a)	3539.90
	10/08/09		(a)	70.13	(a)	3534.87
	03/22/10		(a)	65.02	(a)	3539.98
	04/17/11		(a)	67.84	(a)	3537.16
	12/22/11		(a)	69.16	(a)	3535.84

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-24 D	10/11/98	3595.95 (c)	(a)	52.70	(a)	3543.25
	10/19/98		(a)	52.39	(a)	3543.56
	10/29/98		(a)	51.51	(a)	3544.44
	12/21/98		(a)	49.24	(a)	3546.71
	03/23/99		(a)	47.80	(a)	3548.15
	09/07/99		(a)	52.21	(a)	3543.74
	03/27/00		(a)	48.19	(a)	3547.76
	11/19/00		(a)	51.19	(a)	3544.76
	03/27/01		(a)	48.07	(a)	3547.88
	10/03/01		(a)	53.99	(a)	3541.96
	06/11/02		(a)	53.81	(a)	3542.14
	01/29/03		(a)	50.73	(a)	3545.22
	07/31/03		(a)	57.65	(a)	3538.30
	03/22/04		(a)	53.20	(a)	3542.75
	09/08/04		(a)	58.11	(a)	3537.84
	03/29/05		(a)	52.70	(a)	3543.25
	10/04/05		(a)	57.99	(a)	3537.96
	03/23/06		(a)	55.11	(a)	3540.84
	09/19/06		(a)	57.88	(a)	3538.07
	03/13/07		(a)	53.75	(a)	3542.20
	09/21/07		(a)	57.90	(a)	3538.05
	03/04/08		(a)	54.57	(a)	3541.38
	09/09/08		(a)	60.44	(a)	3535.51
	03/10/09		(a)	56.62	(a)	3539.33
	10/08/09		(a)	61.13	(a)	3534.82
	03/22/10		(a)	56.22	(a)	3539.73
	04/17/11		(a)	58.73	(a)	3537.22
	12/22/11		(a)	60.28	(a)	3535.67

**Table 1. Summary of Groundwater Surface Elevations
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-25 D	10/11/98	3592.99 (c)	(a)	48.59	(a)	3544.40
	10/19/98		(a)	48.55	(a)	3544.44
	10/29/98		(a)	48.19	(a)	3544.80
	12/21/98		(a)	47.01	(a)	3545.98
	03/23/99		(a)	45.42	(a)	3547.57
	09/07/99		(a)	46.46	(a)	3546.53
	03/27/00		(a)	44.73	(a)	3548.26
	11/19/00		(a)	47.96	(a)	3545.03
	03/27/01		(a)	45.36	(a)	3547.63
	10/03/01		(a)	48.48	(a)	3544.51
	06/11/02		(a)	47.65	(a)	3545.34
	01/29/03		(a)	47.94	(a)	3545.05
	07/31/03		(a)	50.63	(a)	3542.36
	03/22/04		(a)	49.41	(a)	3543.58
	09/08/04		(a)	52.55	(a)	3540.44
	03/29/05		(a)	49.31	(a)	3543.68
	10/04/05		(a)	53.14	(a)	3539.85
	03/23/06		(a)	51.05	(a)	3541.94
	09/19/06		(a)	54.13	(a)	3538.86
	03/13/07		(a)	50.55	(a)	3542.44
	09/21/07		(a)	53.03	(a)	3539.96
	03/04/08		(a)	51.05	(a)	3541.94
	09/09/08		(a)	55.20	(a)	3537.79
	03/10/09		(a)	52.59	(a)	3540.40
	10/08/09		(a)	56.59	(a)	3536.40
	03/22/10		(a)	52.89	(a)	3540.10
	04/17/11		(a)	53.83	(a)	3539.16
	12/22/11		(a)	52.55	(a)	3540.44
Well #2	05/06/98	3615.28 (b)	(a)	65.48	(a)	3549.80
	05/07/98		(a)	65.51	(a)	3549.77
Well #5	05/06/98	3635.39 (b)	(a)	83.75	(a)	3551.64
	05/07/98		(a)	83.79	(a)	3551.60

NOTES:

PSH - Phase separated hydrocarbon

Corrections to ground water surface elevation for PSH is calculated assuming a specific gravity of 0.76

(NA) Information not available

(a) Not applicable since no measurable thickness of PSH is present

(b) Elevation based on survey by Wagener Engineering dated 5/6/98

(c) Elevation based on survey by Wagener Engineering dated 9/17/98

(d) Elevation based on survey by Wagener Engineering dated 11/29/00

(e) Elevation based on survey by Wagener Engineering dated 10/03/01

(f) Elevation based on survey by Cypress Engineering dated 03/14/03

(g) Elevation based on survey by Cypress Engineering dated 06/23/07

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MPE-1	01/29/03	NA	(a)	60.39	(a)	NA
	07/31/03		(a)	60.66	(a)	NA
	03/22/04		(a)	60.07	(a)	NA
	09/08/04		(a)	61.38	(a)	NA
	03/29/05		(a)	61.26	(a)	NA
	10/05/05		(a)	62.03	(a)	NA
	03/23/06		(a)	61.85	(a)	NA
	09/19/06		(a)	62.31	(a)	NA
	03/13/07		(a)	62.77	(a)	NA
	09/21/07		(a)	63.45	(a)	NA
	03/05/08		(a)	63.32	(a)	NA
	09/09/08		(a)	65.51	(a)	NA
	03/10/09		(a)	64.40	(a)	NA
	10/08/09		(a)	65.90	(a)	NA
	03/22/10		(a)	64.85	(a)	NA
	04/17/11		(a)	64.35	(a)	NA
	12/22/11		(a)	64.60	(a)	NA
MPE-2	01/29/03	NA	(a)	59.18	(a)	NA
	07/31/03		(a)	59.82	(a)	NA
	03/22/04		(a)	60.88	(a)	NA
	09/08/04		(a)	60.45	(a)	NA
	03/29/05		(a)	60.27	(a)	NA
	10/05/05		(a)	61.17	(a)	NA
	03/23/06		(a)	61.20	(a)	NA
	09/19/06		(a)	61.75	(a)	NA
	03/13/07		(a)	61.88	(a)	NA
	09/21/07		(a)	62.52	(a)	NA
	03/05/08		(a)	62.40	(a)	NA
	09/09/08		(a)	64.12	(a)	NA
	03/10/09		(a)	63.39	(a)	NA
	10/08/09		(a)	64.51	(a)	NA
	03/22/10		(a)	63.73	(a)	NA
	04/17/11		(a)	63.68	(a)	NA
	12/22/11		(a)	63.95	(a)	NA
MPE-3	01/29/03	NA	(a)	62.33	(a)	NA
	07/31/03		(a)	62.85	(a)	NA
	03/22/04		(a)	63.10	(a)	NA
	09/08/04		(a)	63.60	(a)	NA
	03/29/05		(a)	63.57	(a)	NA
	10/05/05		(a)	64.90	(a)	NA
	03/23/06		(a)	64.10	(a)	NA
	09/19/06		(a)	64.65	(a)	NA
	03/13/07		(a)	65.05	(a)	NA
	09/21/07		(a)	65.62	(a)	NA
	03/05/08		(a)	65.48	(a)	NA
	09/09/08		(a)	67.48	(a)	NA
	03/10/09		(a)	66.50	(a)	NA
	10/08/09		(a)	67.85	(a)	NA
	03/22/10		(a)	66.94	(a)	NA
	04/17/11		(a)	66.53	(a)	NA
	12/22/11		(a)	66.75	(a)	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MPE-4	01/29/03	NA	(a)	63.37	(a)	NA
	07/31/03		(a)	63.54	(a)	NA
	03/22/04		(a)	63.81	(a)	NA
	09/08/04		(a)	64.30	(a)	NA
	03/29/05		(a)	64.29	(a)	NA
	10/05/05		(a)	64.29	(a)	NA
	03/23/06		(a)	64.78	(a)	NA
	09/19/06		(a)	65.45	(a)	NA
	03/13/07		(a)	62.77	(a)	NA
	09/21/07		(a)	66.15	(a)	NA
	03/05/08		(a)	65.92	(a)	NA
	09/09/08		(a)	67.41	(a)	NA
	03/10/09		(a)	66.25	(a)	NA
	10/08/09		(a)	67.94	(a)	NA
	03/22/10		(a)	66.87	(a)	NA
MPE-5	04/17/11		(a)	66.20	(a)	NA
	12/22/11		(a)	66.34	(a)	NA
	01/29/03	NA	(a)	63.78	(a)	NA
	07/31/03		(a)	63.95	(a)	NA
	03/22/04		(a)	64.19	(a)	NA
	09/08/04		(a)	64.80	(a)	NA
	03/29/05		(a)	64.84	(a)	NA
	10/05/05		(a)	65.39	(a)	NA
	03/23/06		(a)	65.60	(a)	NA
	09/19/06		(a)	66.36	(a)	NA
	03/13/07		(a)	65.86	(a)	NA
	09/21/07		(a)	66.83	(a)	NA
	03/05/08		(a)	66.42	(a)	NA
	09/09/08		(a)	67.41	(a)	NA
	03/10/09		(a)	66.88	(a)	NA
	10/08/09		(a)	67.95	(a)	NA
	03/22/10		(a)	67.08	(a)	NA
MPE-6	04/17/11		(a)	66.79	(a)	NA
	12/22/11		(a)	66.89	(a)	NA
	01/29/03	NA	(a)	65.00	(a)	NA
	07/31/03		(a)	65.17	(a)	NA
	03/22/04		(a)	65.44	(a)	NA
	09/08/04		(a)	66.02	(a)	NA
	03/29/05		(a)	65.91	(a)	NA
	10/05/05		(a)	66.66	(a)	NA
	03/23/06		(a)	66.53	(a)	NA
	09/19/06		(a)	67.07	(a)	NA
	03/13/07		(a)	67.40	(a)	NA
	09/21/07		(a)	67.98	(a)	NA
	03/05/08		(a)	67.81	(a)	NA
	09/09/08		(a)	69.54	(a)	NA
	03/10/09		(a)	68.74	(a)	NA
	10/08/09		(a)	70.16	(a)	NA
	03/22/10		(a)	69.19	(a)	NA
	04/17/11		(a)	68.76	(a)	NA
	12/22/11		(a)	68.98	(a)	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MPE-7	01/29/03	NA	(a)	63.93	(a)	NA
	07/31/03		(a)	63.88	(a)	NA
	03/22/04		(a)	64.45	(a)	NA
	09/08/04		(a)	65.25	(a)	NA
	03/29/05		(a)	65.71	(a)	NA
	10/05/05		(a)	66.20	(a)	NA
	03/23/06		(a)	66.36	(a)	NA
	09/19/06		(a)	66.93	(a)	NA
	03/13/07		(a)	66.58	(a)	NA
	09/21/07		(a)	67.16	(a)	NA
	03/05/08		(a)	66.47	(a)	NA
	09/09/08		(a)	69.08	(a)	NA
	03/10/09		(a)	67.79	(a)	NA
	10/08/09		(a)	69.75	(a)	NA
	03/22/10		(a)	67.62	(a)	NA
	04/17/11		(a)	67.15	(a)	NA
	12/22/11		(a)	67.07	(a)	NA
MPE-8	01/29/03	NA	(a)	62.43	(a)	NA
	07/31/03		(a)	62.74	(a)	NA
	03/22/04		(a)	63.14	(a)	NA
	09/08/04		(a)	63.70	(a)	NA
	03/29/05		(a)	64.00	(a)	NA
	10/05/05		(a)	64.35	(a)	NA
	03/23/06		(a)	64.85	(a)	NA
	09/19/06		(a)	66.20	(a)	NA
	03/13/07		(a)	66.45	(a)	NA
	09/21/07		(a)	65.25	(a)	NA
	03/05/08		(a)	65.02	(a)	NA
	09/09/08		(a)	65.40	(a)	NA
	03/10/09		(a)	65.06	(a)	NA
	10/08/09		(a)	65.79	(a)	NA
	03/22/10		(a)	65.53	(a)	NA
	04/17/11		(a)	65.30	(a)	NA
	12/22/11		(a)	65.58	(a)	NA
MPE-9	01/29/03	NA	63.96	66.65	2.69	NA
	07/31/03		64.05	67.46	3.41	NA
	03/22/04		63.47	67.30	3.83	NA
	09/08/04		65.51	68.41	2.90	NA
	03/29/05		66.35	68.40	2.05	NA
	10/05/05		66.93	69.29	2.36	NA
	03/23/06		67.50	68.00	0.50	NA
	09/19/06		(a)	68.05	(a)	NA
	03/13/07		67.30	67.35	0.05	NA
	09/21/07		67.43	67.60	0.17	NA
	03/05/08		67.31	67.32	0.01	NA
	09/09/08		(a)	67.15	(a)	NA
	03/10/09		(a)	67.24	(a)	NA
	10/08/09		(a)	67.79	(a)	NA
	01/26/10		67.92	67.93	0.01	NA
	03/22/10		(a)	67.82	(a)	NA
	04/17/11		(a)	67.49	(a)	NA
	12/22/11		(a)	67.61	(a)	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MPE-10	01/29/03	NA	(a)	62.90	(a)	NA
	07/31/03		(a)	63.08	(a)	NA
	03/22/04		(a)	63.85	(a)	NA
	09/08/04		64.45	66.87	2.42	NA
	03/29/05		65.5	65.70	0.20	NA
	10/05/05		65.62	67.65	2.03	NA
	03/23/06		65.87	67.35	1.48	NA
	09/19/06		66.35	Tagged pump	NA	NA
	03/13/07		65.58	66.42	0.84	NA
	09/21/07		(a)	66.00	(a)	NA
	03/05/08		65.51	65.87	0.36	NA
	09/09/08		66.48	66.90	0.42	NA
	03/10/09		65.58	66.45	0.87	NA
	03/22/10		(a)	66.20	(a)	NA
	04/17/11		65.41	66.85	1.44	NA
	12/22/11		65.74	66.48	0.74	NA
MPE-11	01/29/03	NA	(a)	60.20	(a)	NA
	07/31/03		(a)	60.52	(a)	NA
	03/22/04		(a)	60.93	(a)	NA
	09/08/04		(a)	61.60	(a)	NA
	03/29/05		(a)	61.89	(a)	NA
	10/05/05		(a)	62.30	(a)	NA
	03/23/06		(a)	62.81	(a)	NA
	09/19/06		(a)	64.61	(a)	NA
	03/13/07		(a)	63.45	(a)	NA
	03/05/08		(a)	62.85	(a)	NA
	09/09/08		(a)	63.57	(a)	NA
	03/10/09		(a)	63.02	(a)	NA
	10/08/09		(a)	63.81	(a)	NA
	04/17/11		(a)	62.92	(a)	NA
	12/22/11		(a)	63.21	(a)	NA
MPE-12	01/29/03	NA	(a)	61.54	(a)	NA
	07/31/03		61.29	63.31	2.02	NA
	03/22/04		61.98	64.40	2.42	NA
	09/08/04		63.55	64.54	0.99	NA
	03/29/05		64.46	64.95	0.49	NA
	10/05/05		64.55	65.26	0.71	NA
	03/23/06		64.42	65.52	1.10	NA
	09/19/06		64.82	66.70	1.88	NA
	03/13/07		64.22	64.94	0.72	NA
	09/21/07		64.42	65.23	0.81	NA
	03/05/08		(a)	64.21	(a)	NA
	09/09/08		64.70	65.60	0.90	NA
	03/10/09		64.30	64.60	0.30	NA
	10/08/09		65.24	65.45	0.21	NA
	01/26/10		64.75	65.12	0.37	NA
	03/22/10		64.55	64.60	0.05	NA
	04/17/11		64.32	64.47	0.15	NA
	12/22/11		(a)	64.61	(a)	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MPE-13	01/29/03	NA	(a)	60.31	(a)	NA
	07/31/03		(a)	60.72	(a)	NA
	03/22/04		(a)	61.07	(a)	NA
	09/08/04		(a)	61.95	(a)	NA
	03/29/05		62.35	62.47	0.12	NA
	10/05/05		62.44	63.57	1.13	NA
	03/23/06		63.05	63.90	0.85	NA
	09/19/06		(a)	65.23	(a)	NA
	03/13/07		63.15	65.80	2.65	NA
	09/21/07		63.05	65.50	2.45	NA
	03/05/08		62.39	64.75	2.36	NA
	09/09/08		63.15	65.55	2.40	NA
	03/10/09		62.93	63.90	0.97	NA
	10/08/09		63.65	64.00	0.35	NA
	01/26/10		63.44	63.75	0.31	NA
	03/22/10		62.93	63.15	0.22	NA
	04/17/11		63.08	63.27	0.19	NA
	12/22/11		(a)	63.32	(a)	NA
MPE-14	01/29/03	NA	(a)	60.95	(a)	NA
	07/31/03		(a)	61.38	(a)	NA
	03/22/04		(a)	61.77	(a)	NA
	09/08/04		(a)	62.65	(a)	NA
	03/29/05		62.06	66.34	4.28	NA
	10/05/05		62.37	65.90	3.53	NA
	03/23/06		62.90	66.64	3.74	NA
	09/19/06		65.72	66.15	0.43	NA
	03/13/07		63.71	66.25	2.54	NA
	09/21/07		64.19	64.55	0.36	NA
	03/05/08		63.43	63.85	0.42	NA
	09/09/08		(a)	64.58	(a)	NA
	03/10/09		63.70	63.83	0.13	NA
	10/08/09		(a)	64.27	(a)	NA
	01/26/10		(a)	64.08	(a)	NA
	03/22/10		(a)	63.57	(a)	NA
	04/17/11		(a)	63.70	(a)	NA
	12/22/11		(a)	64.05	(a)	NA
MPE-15	01/29/03	NA	(a)	61.10	(a)	NA
	07/31/03		(a)	61.20	(a)	NA
	03/22/04		(a)	61.29	(a)	NA
	09/08/04		(a)	61.60	(a)	NA
	03/29/05		(a)	61.58	(a)	NA
	10/05/05		(a)	62.16	(a)	NA
	09/19/06		(a)	62.83	(a)	NA
	03/13/07		(a)	62.78	(a)	NA
	09/21/07		(a)	62.95	(a)	NA
	03/05/08		(a)	62.83	(a)	NA
	09/09/08		(a)	62.71	(a)	NA
	03/10/09		(a)	62.40	(a)	NA
	10/08/09		(a)	62.59	(a)	NA
	03/22/10		(a)	62.36	(a)	NA
	04/17/11		(a)	62.20	(a)	NA
	12/22/11		(a)	62.75	(a)	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MPE-16	01/29/03	NA	61.10	64.91	3.81	NA
	07/31/03		61.53	65.55	4.02	NA
	03/22/04		62.15	65.50	3.35	NA
	09/08/04		63.60	65.75	2.15	NA
	03/29/05		65.24	65.25	0.01	NA
	10/05/05		64.24	66.51	2.27	NA
	03/23/06		64.58	67.32	2.74	NA
	09/19/06		65.75	Tagged pump	NA	NA
	09/21/07		--	Tagged pump	NA	NA
	03/05/08		64.16	Tagged pump	NA	NA
	09/09/08		64.85	66.50	1.65	NA
	03/10/09		64.32	65.75	1.43	NA
	10/08/09		65.63	Tagged pump	NA	NA
	01/26/10		64.64	66.30	1.66	NA
	03/22/10		64.27	66.21	1.94	NA
	04/17/11		64.25	65.18	0.93	NA
	12/22/11		64.61	65.79	1.18	NA
MPE-17	01/29/03	NA	60.86	65.50	4.64	NA
	07/31/03		61.40	66.69	5.29	NA
	03/22/04		62.20	65.69	3.49	NA
	09/08/04		63.45	65.92	2.47	NA
	03/29/05		64.85	66.64	1.79	NA
	10/05/05		64.51	65.64	1.13	NA
	03/23/06		65.70	67.01	1.31	NA
	09/19/06		67.30	Tagged pump	NA	NA
	03/13/07		65.78	66.55	0.77	NA
	09/21/07		65.50	65.55	0.05	NA
	03/05/08		(a)	64.62	(a)	NA
	09/09/08		(a)	65.60	(a)	NA
	03/10/09		64.80	65.07	0.27	NA
	10/08/09		65.48	65.55	0.07	NA
	01/26/10		65.19	65.22	0.03	NA
	03/22/10		(a)	64.77	(a)	(a)
	04/17/11		(a)	64.93	(a)	(a)
	12/22/11		(a)	65.37	(a)	(a)
MPE-18	01/29/03	NA	(a)	59.42	(a)	NA
	07/31/03		(a)	59.75	(a)	NA
	03/22/04		(a)	60.18	(a)	NA
	09/08/04		(a)	60.75	(a)	NA
	03/29/05		(a)	61.14	(a)	NA
	10/05/05		(a)	61.40	(a)	NA
	03/23/06		(a)	62.18	(a)	NA
	09/19/06		(a)	62.95	(a)	NA
	03/13/07		(a)	62.32	(a)	NA
	09/21/07		(a)	62.29	(a)	NA
	03/05/08		(a)	61.69	(a)	NA
	09/09/08		(a)	62.20	(a)	NA
	03/10/09		(a)	61.65	(a)	NA
	10/08/09		(a)	61.93	(a)	NA
	03/22/10		(a)	61.44	(a)	NA
	04/17/11		(a)	61.70	(a)	NA
	12/22/11		(a)	62.19	(a)	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MPE-19	01/29/03	NA	(a)	62.40	(a)	NA
	07/31/03		(a)	62.73	(a)	NA
	03/22/04		(a)	63.25	(a)	NA
	09/08/04		(a)	64.35	(a)	NA
	03/29/05		(a)	64.40	(a)	NA
	10/05/05		(a)	64.99	(a)	NA
	03/23/06		(a)	65.40	(a)	NA
	09/19/06		(a)	65.85	(a)	NA
	03/13/07		(a)	65.15	(a)	NA
	09/21/07		(a)	65.35	(a)	NA
	03/05/08		(a)	64.92	(a)	NA
	09/09/08		(a)	65.29	(a)	NA
	03/10/09		(a)	65.02	(a)	NA
	10/08/09		(a)	65.54	(a)	NA
	03/22/10		(a)	65.14	(a)	NA
	04/17/11		(a)	65.11	(a)	NA
	12/22/11		(a)	65.54	(a)	NA
MPE-20	01/29/03	NA	58.21	65.10	6.89	NA
	07/31/03		58.70	65.08	6.38	NA
	03/22/04		59.28	65.68	6.40	NA
	09/08/04		62.01	65.43	3.42	NA
	03/29/05		63.20	66.02	2.82	NA
	10/04/05		63.07	64.77	1.70	NA
	03/23/06		64.81	66.55	1.74	NA
	09/19/06		66.25	67.26	1.01	NA
	03/13/07		63.25	64.70	1.45	NA
	09/21/07		62.90	64.55	1.65	NA
	03/05/08		61.92	63.88	1.96	NA
	09/09/08		62.75	64.99	2.24	NA
	03/10/09		62.58	64.52	1.94	NA
	10/08/09		62.45	65.34	2.89	NA
	01/26/10		62.28	65.10	2.82	NA
	03/22/10		61.58	64.81	3.23	NA
	04/17/11		62.10	64.45	2.35	NA
	12/22/11		62.70	64.58	1.88	NA
MPE-21	01/29/03	NA	(a)	55.64	(a)	NA
	07/31/03		54.78	55.30	0.52	NA
	03/22/04		55.20	55.75	0.55	NA
	09/08/04		56.78	56.85	0.07	NA
	03/29/05		(a)	57.11	(a)	NA
	10/04/05		57.63	57.66	0.03	NA
	03/23/06		57.64	57.65	0.01	NA
	09/19/06		58.25	58.50	0.25	NA
	03/13/07		(a)	57.45	(a)	NA
	09/21/07		57.78	57.90	0.12	NA
	03/05/08		57.75	57.77	0.02	NA
	09/09/08		57.00	57.10	0.10	NA
	03/10/09		(a)	56.57	(a)	NA
	10/08/09		(a)	57.13	(a)	NA
	01/26/10		(a)	57.71	(a)	NA
	03/22/10		(a)	57.68	(a)	NA
	04/17/11		(a)	57.30	(a)	NA
	12/22/11		(a)	57.82	(a)	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MPE-22	01/29/03	NA	(a)	64.50	(a)	NA
	07/31/03		(a)	64.51	(a)	NA
	03/22/04		(a)	65.16	(a)	NA
	09/08/04		(a)	66.06	(a)	NA
	03/29/05		(a)	66.40	(a)	NA
	10/04/05		(a)	66.61	(a)	NA
	03/23/06		(a)	67.33	(a)	NA
	09/19/06		(a)	67.30	(a)	NA
	03/13/07		(a)	66.90	(a)	NA
	09/21/07		(a)	67.01	(a)	NA
	03/05/08		(a)	66.69	(a)	NA
	09/09/08		(a)	67.35	(a)	NA
	03/10/09		(a)	67.17	(a)	NA
	10/08/09		(a)	67.68	(a)	NA
	01/26/10		(a)	67.33	(a)	NA
	03/22/10		(a)	66.99	(a)	NA
MPE-23	04/17/11		(a)	67.25	(a)	NA
	12/22/11		(a)	67.61	(a)	NA
	01/29/03	NA	(a)	59.86	(a)	NA
	07/31/03		60.05	60.10	0.05	NA
	03/22/04		60.64	61.30	0.66	NA
	09/08/04		61.62	64.90	3.28	NA
	03/29/05		62.7	64.45	1.75	NA
	10/04/05		(a)	62.13	(a)	NA
	03/23/06		63.92	64.84	0.92	NA
	09/19/06		63.78	65.28	1.50	NA
	03/13/07		62.28	65.20	2.92	NA
	09/21/07		63.02	64.80	1.78	NA
	03/05/08		61.82	64.33	2.51	NA
	09/09/08		64.30	tag top of pump	(a)	NA
	03/10/09		62.85	64.00	1.15	NA
	10/08/09		62.58	64.90	2.32	NA
	01/26/10		62.84	63.98	1.14	NA
	03/22/10		61.94	62.58	0.64	NA
MPE-24	04/17/11		62.31	62.78	0.47	NA
	12/22/11		62.45	64.70	2.25	NA
	01/29/03	NA	(a)	55.83	(a)	NA
	07/31/03		55.08	55.60	0.52	NA
	03/22/04		55.90	56.91	1.01	NA
	09/08/04		56.80	61.23	4.43	NA
	03/29/05		57.50	59.49	1.99	NA
	10/04/05		57.93	60.79	2.86	NA
	03/23/06		59.43	59.90	0.47	NA
	09/19/06		60.09	60.15	0.06	NA
	03/13/07		58.40	60.15	1.75	NA
	09/21/07		58.15	61.01	2.86	NA
	03/05/08		57.58	59.43	1.85	NA
	09/09/08		57.92	60.25	2.33	NA
	03/10/09		57.55	58.93	1.38	NA
	10/08/09		57.20	59.52	2.32	NA
	01/26/10		57.65	59.92	2.27	NA
	03/22/10		57.41	59.75	2.34	NA
	04/17/11		57.57	59.57	2.00	NA
	12/22/11		58.27	60.95	2.68	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MPE-25	01/29/03	NA	(a)	64.51	(a)	NA
	07/31/03		(a)	64.53	(a)	NA
	03/22/04		(a)	65.19	(a)	NA
	09/08/04		(a)	66.12	(a)	NA
	03/29/05		(a)	66.44	(a)	NA
	10/04/05		(a)	66.71	(a)	NA
	03/23/06		(a)	67.42	(a)	NA
	09/19/06		67.30	67.31	0.01	NA
	03/13/07		(a)	66.88	(a)	NA
	09/21/07		(a)	66.90	(a)	NA
	03/05/08		(a)	66.66	(a)	NA
	09/09/08		(a)	67.40	(a)	NA
	03/10/09		(a)	67.13	(a)	NA
	10/08/09		(a)	67.79	(a)	NA
	01/26/10		(a)	67.40	(a)	NA
	03/22/10		(a)	67.07	(a)	NA
	04/17/11		(a)	67.32	(a)	NA
	12/22/11		(a)	67.79	(a)	NA
MPE-26	01/29/03	NA	(a)	61.89	(a)	NA
	07/31/03		61.65	62.95	1.30	NA
	03/22/04		62.68	62.71	0.03	NA
	09/08/04		63.60	63.64	0.04	NA
	03/29/05		63.80	64.26	0.46	NA
	10/04/05		64.15	64.25	0.10	NA
	03/23/06		64.90	64.92	0.02	NA
	09/19/06		64.82	65.10	0.28	NA
	03/13/07		64.35	64.65	0.30	NA
	09/21/07		(a)	64.34	(a)	NA
	03/05/08		64.03	64.40	0.37	NA
	09/09/08		64.90	65.30	0.40	NA
	03/10/09		64.54	64.86	0.32	NA
	10/08/09		65.30	65.70	0.40	NA
	01/26/10		64.84	65.32	0.48	NA
	03/22/10		64.46	65.04	0.58	NA
	04/17/11		(a)	64.70	(a)	NA
	12/22/11		65.19	65.63	0.44	NA
MPE-27	01/29/03	NA	59.20	63.98	4.78	NA
	07/31/03		59.25	64.13	4.88	NA
	03/22/04		60.95	63.55	2.60	NA
	09/08/04		62.05	64.50	2.45	NA
	03/29/05		62.49	65.28	2.79	NA
	10/04/05		62.57	65.33	2.76	NA
	03/23/06		64.22	64.30	0.08	NA
	09/19/06		63.90	64.41	0.51	NA
	03/13/07		62.40	65.40	3.00	NA
	09/21/07		62.53	64.85	2.32	NA
	03/05/08		62.05	63.74	1.69	NA
	09/09/08		62.68	69.55	6.87	NA
	03/10/09		62.65	64.96	2.31	NA
	10/08/09		63.05	69.05	6.00	NA
	01/26/10		(a)	62.92	(a)	NA
	03/22/10		62.60	64.38	1.78	NA
	04/17/11		62.54	tag top of pump	NA	NA
	12/22/11		(a)	62.81	(a)	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MPE-28	01/29/03	NA	53.69	55.57	1.88	NA
	07/31/03		53.69	56.90	3.21	NA
	03/22/04		55.59	57.75	2.16	NA
	09/08/04		56.43	59.52	3.09	NA
	03/29/05		58.95	60.20	1.25	NA
	10/04/05		(a)	57.68	(a)	NA
	03/23/06		59.70	59.95	0.25	NA
	09/19/06		59.52	60.20	0.68	NA
	03/13/07		56.85	58.75	1.90	NA
	09/21/07		56.48	57.00	0.52	NA
	03/05/08		55.28	57.43	2.15	NA
	09/09/08		56.25	59.95	3.70	NA
	03/10/09		55.01	59.20	4.19	NA
	10/08/09		56.72	60.21	3.49	NA
	01/26/10		56.12	59.78	3.66	NA
	03/22/10		55.50	59.20	3.70	NA
	04/17/11		(a)	56.78	(a)	NA
	12/22/11		(a)	58.61	(a)	NA
MPE-29	01/29/03	NA	(a)	64.75	(a)	NA
	07/31/03		(a)	64.79	(a)	NA
	03/22/04		(a)	65.58	(a)	NA
	09/08/04		(a)	66.51	(a)	NA
	03/29/05		(a)	66.79	(a)	NA
	10/04/05		(a)	67.06	(a)	NA
	03/23/06		(a)	67.78	(a)	NA
	09/19/06		(a)	67.82	(a)	NA
	03/13/07		(a)	67.35	(a)	NA
	09/21/07		(a)	67.30	(a)	NA
	03/05/08		(a)	67.01	(a)	NA
	09/09/08		(a)	67.97	(a)	NA
	03/10/09		(a)	67.35	(a)	NA
	10/08/09		(a)	68.38	(a)	NA
	03/22/10		(a)	67.58	(a)	NA
MPE-30	04/17/11	NA	(a)	67.73	(a)	NA
	12/22/11		(a)	68.38	(a)	NA
	01/29/03		(a)	63.61	(a)	NA
	07/31/03		(a)	63.35	(a)	NA
	03/22/04		(a)	63.92	(a)	NA
	09/08/04		(a)	64.92	(a)	NA
	03/29/05		(a)	64.97	(a)	NA
	10/04/05		(a)	65.24	(a)	NA
	03/23/06		(a)	65.65	(a)	NA
	09/19/06		(a)	65.50	(a)	NA
	03/13/07		(a)	64.85	(a)	NA
	09/21/07		(a)	64.65	(a)	NA
	03/05/08		(a)	64.38	(a)	NA
	09/09/08		(a)	64.93	(a)	NA
	03/10/09		(a)	64.92	(a)	NA
	10/08/09		(a)	66.20	(a)	NA
	03/22/10		(a)	65.41	(a)	NA
	04/17/11		(a)	65.25	(a)	NA
	12/22/11		(a)	65.91	(a)	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MPE-31	01/29/03	NA	(a)	60.61	(a)	NA
	07/31/03		(a)	60.63	(a)	NA
	03/22/04		61.55	61.73	0.18	NA
	09/08/04		62.35	63.45	1.10	NA
	03/29/05		63.10	63.11	0.01	NA
	10/04/05		(a)	62.83	(a)	NA
	03/23/06		(a)	64.19	(a)	NA
	09/19/06		64.10	64.25	0.15	NA
	03/13/07		62.90	64.40	1.50	NA
	09/21/07		63.18	63.20	0.02	NA
	03/05/08		62.73	63.15	0.42	NA
	09/09/08		64.79	66.40	1.61	NA
	03/10/09		63.22	63.24	0.02	NA
	10/08/09		(a)	65.28	(a)	NA
	01/26/10		(a)	63.99	(a)	NA
	03/22/10		63.46	63.47	0.01	NA
	04/17/11		(a)	63.41	(a)	NA
	12/22/11		64.22	64.69	0.47	NA
MPE-32	01/29/03	NA	55.02	55.10	0.08	NA
	07/31/03		53.85	59.27	5.42	NA
	03/22/04		54.89	59.92	5.03	NA
	09/08/04		56.68	58.60	1.92	NA
	03/29/05		58.12	58.42	0.30	NA
	10/04/05		57.67	58.12	0.45	NA
	03/23/06		59.55	59.60	0.05	NA
	09/19/06		59.70	59.92	0.22	NA
	03/13/07		57.88	58.10	0.22	NA
	09/21/07		57.32	58.77	1.45	NA
	03/05/08		56.73	59.35	2.62	NA
	09/09/08		61.68	61.78	0.10	NA
	03/10/09		57.01	59.81	2.80	NA
	10/08/09		(a)	62.21	(a)	NA
	01/26/10		57.90	61.23	3.33	NA
	03/22/10		(a)	57.30	(a)	NA
	04/17/11		(a)	57.32	(a)	NA
	12/22/11		(a)	56.62	(a)	NA
MPE-33	01/29/03	NA	50.50	52.13	1.63	NA
	07/31/03		50.03	54.50	4.47	NA
	03/22/04		51.60	54.09	2.49	NA
	09/08/04		53.32	54.02	0.70	NA
	03/29/05		54.30	54.90	0.60	NA
	10/04/05		54.01	55.21	1.20	NA
	03/23/06		(a)	55.80	(a)	NA
	09/19/06		(a)	56.92	(a)	NA
	03/13/07		(a)	54.75	(a)	NA
	09/21/07		(a)	54.45	(a)	NA
	03/05/08		(a)	53.48	(a)	NA
	09/09/08		(a)	55.65	(a)	NA
	03/10/09		(a)	53.82	(a)	NA
	10/08/09		(a)	56.63	(a)	NA
	03/22/10		(a)	54.56	(a)	NA
	04/17/11		(a)	54.73	(a)	NA
	12/22/11		(a)	56.65	(a)	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MPE-34	01/29/03	NA	(a)	62.80	(a)	NA
	07/31/03		(a)	62.74	(a)	NA
	03/22/04		(a)	63.23	(a)	NA
	09/08/04		(a)	63.86	(a)	NA
	03/29/05		(a)	64.33	(a)	NA
	10/04/05		(a)	64.51	(a)	NA
	03/23/06		(a)	65.08	(a)	NA
	09/19/06		(a)	65.20	(a)	NA
	03/13/07		(a)	65.03	(a)	NA
	09/21/07		(a)	64.90	(a)	NA
	03/05/08		(a)	64.69	(a)	NA
	09/09/08		(a)	65.22	(a)	NA
	03/10/09		(a)	65.24	(a)	NA
	10/08/09		(a)	65.78	(a)	NA
	03/22/10		(a)	65.56	(a)	NA
	04/17/11		(a)	65.40	(a)	NA
	12/22/11		(a)	65.76	(a)	NA
MPE-35	01/29/03	NA	(a)	56.74	(a)	NA
	07/31/03		(a)	56.84	(a)	NA
	03/22/04		57.30	57.31	0.01	NA
	09/08/04		(a)	58.04	(a)	NA
	03/29/05		(a)	58.57	(a)	NA
	10/04/05		(a)	58.79	(a)	NA
	03/23/06		(a)	59.42	(a)	NA
	09/19/06		(a)	59.60	(a)	NA
	03/13/07		(a)	59.15	(a)	NA
	09/21/07		(a)	59.00	(a)	NA
	03/05/08		(a)	58.93	(a)	NA
	09/09/08		(a)	49.41	(a)	NA
	03/10/09		(a)	59.29	(a)	NA
	10/08/09		(a)	59.96	(a)	NA
	03/22/10		(a)	59.36	(a)	NA
	04/17/11		(a)	59.16	(a)	NA
	12/22/11		(a)	59.67	(a)	NA
MPE-36	01/29/03	NA	(a)	51.98	(a)	NA
	07/31/03		(a)	52.00	(a)	NA
	03/22/04		(a)	52.48	(a)	NA
	09/08/04		(a)	53.45	(a)	NA
	03/29/05		(a)	53.92	(a)	NA
	10/04/05		(a)	54.25	(a)	NA
	03/23/06		(a)	54.91	(a)	NA
	09/19/06		(a)	55.55	(a)	NA
	03/13/07		(a)	54.30	(a)	NA
	09/21/07		(a)	54.05	(a)	NA
	03/05/08		(a)	54.05	(a)	NA
	09/09/08		(a)	55.93	(a)	NA
	03/10/09		(a)	54.45	(a)	NA
	10/08/09		(a)	57.35	(a)	NA
	03/22/10		(a)	55.09	(a)	NA
	04/17/11		(a)	54.78	(a)	NA
	12/22/11		(a)	56.05	(a)	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MPE-37	01/29/03	NA	(a)	49.18	(a)	NA
	07/31/03		(a)	49.27	(a)	NA
	03/22/04		(a)	49.98	(a)	NA
	09/08/04		(a)	50.95	(a)	NA
	03/29/05		(a)	51.48	(a)	NA
	10/04/05		(a)	51.67	(a)	NA
	03/23/06		(a)	52.54	(a)	NA
	09/19/06		(a)	53.18	(a)	NA
	03/13/07		(a)	51.30	(a)	NA
	09/21/07		51.70	51.71	0.01	NA
	03/05/08		(a)	51.40	(a)	NA
	09/09/08		(a)	54.58	(a)	NA
	03/10/09		(a)	51.90	(a)	NA
	10/08/09		(a)	56.51	(a)	NA
	03/22/10		(a)	52.40	(a)	NA
	04/17/11		(a)	52.22	(a)	NA
	12/22/11		(a)	53.48	(a)	NA
SVE-1A	01/29/03	NA	(a)	dry	(a)	NA
	07/31/03		(a)	dry	(a)	NA
	03/22/04		(a)	dry	(a)	NA
	09/08/04		(a)	dry	(a)	NA
	03/29/05		(a)	dry	(a)	NA
	10/04/05		(a)	dry	(a)	NA
	03/23/06		(a)	dry	(a)	NA
SVE-2A	01/29/03	NA	(a)	29.65	(a)	NA
	07/31/03		(a)	29.70	(a)	NA
	03/22/04		(a)	dry	(a)	NA
	09/08/04		(a)	dry	(a)	NA
	03/29/05		(a)	29.85	(a)	NA
	10/04/05		(a)	29.00	(a)	NA
	03/23/06		(a)	dry	(a)	NA
SVE-3	04/01/01	NA	(a)	60.35	(a)	NA
	01/29/03		(a)	60.57	(a)	NA
	07/31/03		(a)	61.42	(a)	NA
	03/22/04		(a)	61.48	(a)	NA
	09/08/04		(a)	61.48	(a)	NA
	03/29/05		(a)	60.68	(a)	NA
	10/04/05		(a)	61.01	(a)	NA
	03/23/06		(a)	61.32	(a)	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-22	01/29/03	NA	(a)	dry	(a)	NA
	07/31/03		(a)	dry	(a)	NA
	03/22/04		(a)	dry	(a)	NA
	09/08/04		(a)	dry	(a)	NA
	03/29/05		(a)	dry	(a)	NA
	03/23/06		(a)	dry	(a)	NA
	09/19/06		(a)	dry	(a)	NA
	03/13/07		33.00	33.10 (TD)	0.10	NA
	09/21/07		32.90	33.10 (TD)	0.20	NA
	03/05/08		32.99	33.20 (TD)	0.21	NA
	09/09/08		32.91	33.08	0.17	NA
	03/10/09		33.00	33.20	0.20	NA
	10/08/09		32.92	33.10	0.18	NA
	01/26/10		33.05	33.05 (TD)	0.00	NA
	03/22/10		33.02	33.02 (TD)	0.00	NA
	04/17/11		32.90	33.0 (TD)	0.10	NA
	12/22/11		(a)	33.04	(a)	NA
SVE-23	01/29/03	NA	32.70	33.85	1.15	NA
	07/31/03		34.00	36.75	2.75	NA
	03/22/04		33.95	36.70 (TD)	2.75	NA
	09/08/04		33.00	36.80 (TD)	3.80	NA
	03/23/06		33.20	34.70	1.50	NA
	09/19/06		33.05	34.75	1.70	NA
	03/13/07		32.70	33.42	0.72	NA
	09/21/07		32.37	32.90	0.53	NA
	03/05/08		32.52	33.44	0.92	NA
	09/09/08		32.51	33.15	0.64	NA
	03/10/09	0.18	32.78	36.75	3.97	NA
	10/08/09		33.01	33.79	0.78	NA
	01/26/10		33.12	36.98 (TD)	3.86	NA
	03/22/10		32.09	33.65	1.56	NA
	04/17/11		33.00	33.30	0.30	NA
	12/22/11		33.60	34.05	0.45	NA
SVE-24	01/29/03	NA	(a)	dry	(a)	NA
	07/31/03		(a)	dry	(a)	NA
	03/22/04		(a)	dry	(a)	NA
	09/08/04		(a)	dry	(a)	NA
	03/29/05		(a)	dry	(a)	NA
	03/23/06		(a)	dry	(a)	NA
	09/19/06		(a)	dry	(a)	NA
	03/13/07		(a)	dry	(a)	NA
	09/21/07		(a)	dry	(a)	NA
	03/05/08		(a)	dry	(a)	NA
	09/09/08		(a)	dry	(a)	NA
	03/10/09		(a)	dry	(a)	NA
	10/08/09		(a)	dry	(a)	NA
	01/26/10		(a)	dry	(a)	NA
	03/22/10		(a)	dry	(a)	NA
	04/17/11		(a)	dry	(a)	NA
	12/22/11		(a)	dry	(a)	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-25	01/29/03	NA	(a)	dry	(a)	NA
	07/31/03		32.86	33.10	0.24	NA
	03/22/04		28.00	33.15 (TD)	5.15	NA
	09/08/04		33.20	33.20 (TD)	0.00	NA
	03/23/06		31.60	32.75	1.15	NA
	03/13/07		(a)	31.55	(a)	NA
	09/21/07		31.60	33.00 (TD)	1.40	NA
	03/05/08		(a)	32.19	(a)	NA
	09/09/08		(a)	31.57	(a)	NA
	03/10/09		(a)	32.70	(a)	NA
	10/08/09		(a)	31.40	(a)	NA
	01/26/10		(a)	dry	(a)	NA
	03/22/10		(a)	32.80	(a)	NA
	04/17/11		(a)	32.23	(a)	NA
	12/22/11		(a)	32.65	(a)	NA
SVE-26	01/29/03	NA	(a)	dry	(a)	NA
	07/31/03		(a)	dry	(a)	NA
	03/22/04		(a)	dry	(a)	NA
	09/08/04		(a)	dry	(a)	NA
	03/29/05		(a)	dry	(a)	NA
	03/23/06		(a)	dry	(a)	NA
	09/19/06		(a)	32.50	(a)	NA
	03/13/07		(a)	dry	(a)	NA
	09/21/07		(a)	dry	(a)	NA
	03/05/08		(a)	dry	(a)	NA
	09/09/08		(a)	dry	(a)	NA
	03/10/09		(a)	dry	(a)	NA
	10/08/09		(a)	dry	(a)	NA
	01/26/10		(a)	dry	(a)	NA
	03/22/10		(a)	dry	(a)	NA
	04/17/11		(a)	dry	(a)	NA
	12/22/11		(a)	dry	(a)	NA
SVE-27	01/29/03	NA	(a)	33.45	(a)	NA
	07/31/03		(a)	33.80	(a)	NA
	03/22/04		(a)	32.02	(a)	NA
	09/08/04		(a)	33.25	(a)	NA
	03/29/05		(a)	34.19	(a)	NA
	03/23/06		(a)	32.65	(a)	NA
	09/19/06		(a)	23.20	(a)	NA
	03/13/07		(a)	32.83	(a)	NA
	09/21/07		(a)	32.88	(a)	NA
	03/05/08		(a)	33.20	(a)	NA
	09/09/08		(a)	32.85	(a)	NA
	03/10/09		(a)	32.92	(a)	NA
	10/08/09		(a)	33.63	(a)	NA
	01/26/10		(a)	dry	(a)	NA
	03/22/10		(a)	33.70	(a)	NA
	04/17/11		(a)	33.70	(a)	NA
	12/22/11		(a)	33.83	(a)	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-28	01/29/03	NA	(a)	dry	(a)	NA
	07/31/03		(a)	35.70	(a)	NA
	03/22/04		(a)	dry	(a)	NA
	09/08/04		(a)	dry	(a)	NA
	03/29/05		(a)	29.10	(a)	NA
	03/23/06		(a)	28.82	(a)	NA
	09/19/06		(a)	28.74	(a)	NA
	03/13/07		(a)	28.45	(a)	NA
	09/21/07		(a)	28.20	(a)	NA
	03/05/08		(a)	28.39	(a)	NA
	09/09/08		(a)	28.38	(a)	NA
	03/10/09		(a)	28.60	(a)	NA
	10/08/09		(a)	28.95	(a)	NA
	01/26/10		(a)	dry	(a)	NA
	03/22/10		(a)	29.07	(a)	NA
	04/17/11		(a)	29.17	(a)	NA
	12/22/11		(a)	29.65	(a)	NA
SVE-30	01/29/03	NA	(a)	43.67	(a)	NA
	07/31/03		(a)	43.61	(a)	NA
	03/22/04		(a)	43.60	(a)	NA
	09/08/04		(a)	43.62	(a)	NA
	03/23/06		(a)	42.66	(a)	NA
	09/19/06		(a)	42.71	(a)	NA
	03/13/07		(a)	40.42	(a)	NA
	09/21/07		(a)	39.60	(a)	NA
	03/05/08		(a)	39.56	(a)	NA
	09/09/08		(a)	36.95	(a)	NA
	03/10/09		(a)	39.32	(a)	NA
	10/08/09		(a)	39.29	(a)	NA
	03/22/10		(a)	40.28	(a)	NA
	04/17/11		(a)	40.11	(a)	NA
	12/22/11		(a)	41.11	(a)	NA
SVE-31	01/29/03	NA	(a)	dry	(a)	NA
	07/31/03		(a)	dry	(a)	NA
	03/22/04		(a)	dry	(a)	NA
	09/08/04		(a)	dry	(a)	NA
	03/29/05		(a)	30.30	(a)	NA
	03/23/06		(a)	30.09	(a)	NA
	09/19/06		(a)	30.15	(a)	NA
	03/13/07		(a)	32.20	(a)	NA
	09/21/07		(a)	30.10	(a)	NA
	03/05/08		(a)	30.21	(a)	NA
	09/09/08		(a)	30.18	(a)	NA
	03/10/09		(a)	30.45	(a)	NA
	10/08/09		(a)	30.43	(a)	NA
	01/26/10		(a)	30.55	(a)	NA
	03/22/10		(a)	31.49	(a)	NA
	04/17/11		(a)	dry	(a)	NA
	12/22/11		(a)	28.50	(a)	NA

**Table 2. Summary of Groundwater Surface Elevations (MPE/SVE)
Compressor Station No. 9 - Roswell, NM**

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
RW-1	01/29/03	NA	(a)	34.48	(a)	NA
	07/31/03		(a)	34.95	(a)	NA
	09/08/04		(a)	34.21	(a)	NA
	10/04/05		(a)	33.46	(a)	NA
	03/23/06		(a)	33.49	(a)	NA
	09/19/06		(a)	33.30	(a)	NA
	03/13/07		(a)	33.00	(a)	NA
	09/21/07		(a)	32.65	(a)	NA
	03/05/08		(a)	32.83	(a)	NA
	09/09/08		(a)	32.82	(a)	NA
	03/10/09		(a)	33.17	(a)	NA
	10/08/09		(a)	33.48	(a)	NA
	03/22/10		(a)	33.62	(a)	NA
	04/17/11		(a)	33.80	(a)	NA
	12/22/11		(a)	34.26	(a)	NA

NOTES:

PSH - Phase separated hydrocarbon

(NA) Information not available

(a) Not applicable since no measurable thickness of PSH is present

**Table 2b. Summary for Product Removal Efforts
Roswell Station Remediation Site**

Well	Date	Initial Measurements			Removal Actions		Post Measurements		
		Depth to PSH (ft)	Depth to Water or PSH/Water Interface (ft)	PSH Thickness (ft)	Removal Methods	PSH Removed (gals)	Depth to PSH (ft)	Depth to Water or PSH/Water Interface (ft)	PSH Thickness (ft)
MPE-12	06/15/10	63.24	64.48	1.24	Bailed	0.75	65.00	65.21	0.21
	06/17/10	64.27	64.56	0.29	Bailed	0.25	0.00	65.25	--
	04/17/11	64.32	64.47	0.15	None				
	12/22/11	0.00	64.61	--	None				
	04/17/12	0.00	64.78	--	None				
MPE-16	06/15/10	63.40	65.03	1.63	Bailed	2.00	66.07	66.37	0.30
	06/16/10	64.41	65.10	0.69	Bailed	0.50	0.00	67.78	--
	04/17/11	64.25	65.18	0.93	None				
	12/22/11	64.61	65.79	1.18	None				
	04/17/12	64.74	67.17	2.43	None				
MPE-20	06/15/10	61.24	65.09	3.85	Bailed	8.00	65.70	66.28	0.58
	06/16/10	62.26	64.16	1.90	Bailed	4.00	64.85	65.60	0.75
	04/17/11	62.10	64.45	2.35	None				
	12/22/11	62.70	64.58	1.88	None				
	04/17/12	63.09	64.86	1.77	None				
MPE-23	06/15/10	61.71	62.70	0.99	Bailed	7.00	0.00	62.80	--
	06/16/10	62.31	62.58	0.27	Bailed	0.10	0.00	64.95	--
	04/17/11	62.31	62.78	0.47	None				
	12/22/11	62.45	64.70	2.25	None				
	04/17/12	62.57	64.58	2.01	None				
MPE-24	06/15/10	56.98	58.73	1.75	Bailed	5.00	65.80	65.82	0.02
	06/16/10	58.65	59.28	0.63	Bailed	0.50	61.59	61.60	0.01
	04/17/11	57.57	59.57	2.00	None				
	12/22/11	58.27	60.95	2.68	None				
	04/17/12	58.43	61.11	2.68	None				
MPE-26	06/15/10	63.97	64.50	0.53	Bailed	4.00	0.00	67.25	--
	06/16/10	64.47	64.56	0.09	Bailed	0.10	0.00	66.76	--
	04/17/11	0.00	64.70	--	None				
	12/22/11	65.19	65.63	0.44	None				
	04/17/12	64.92	65.48	0.56	None				
MPE-27	06/15/10	62.28	64.80	2.52	Bailed	5.50	65.21	65.82	0.61
	06/16/10	62.66	64.25	1.59	Bailed	2.00	64.11	64.71	0.60
	04/17/11	62.54	tag top of pump @ 62.61	--	None				
	12/22/11	0.00	62.81	--	None				
	04/17/12	63.34	63.63	0.29	None				
MPE-28	06/15/10	55.60	59.11	3.51	Bailed	6.00	56.55	56.85	0.30
	06/16/10	56.29	56.73	0.44	Bailed	1.50	56.70	56.72	0.02
	04/17/11	0.00	56.78	--	None				
	12/22/11	0.00	58.61	--	None				
	04/17/12	0.00	57.45	--	None				
MPE-31	06/15/10	0.00	62.79	--	None				
	04/17/11	0.00	63.41	--	None				
	12/22/11	64.22	64.69	0.47	None				
	04/17/12	64.04	64.45	0.41	None				
MW-1B	06/15/10	60.33	61.86	1.53	Bailed	0.75	63.18	63.25	0.07
	06/17/10	60.26	61.88	1.62	Bailed	1.50	63.41	63.74	0.33
	04/17/11	60.18	62.05	1.87	None				
	12/22/11	61.01	63.24	2.23	None				
	04/17/12	60.65	62.45	1.80	None				
MW-12	06/15/10	56.61	57.92	1.31	Bailed	2.25	57.35	58.75	1.40
	06/17/10	56.26	57.33	1.07	Bailed	1.00	56.92	57.81	0.89
	04/17/11	56.00	57.47	1.47	None				
	12/22/11	57.01	57.18	0.17	None				
	04/17/12	56.75	59.72	2.97	None				

**Table 2b. Summary for Product Removal Efforts
Roswell Station Remediation Site**

Well	Date	Initial Measurements			Removal Actions		Post Measurements		
		Depth to PSH (ft)	Depth to Water or PSH/Water Interface (ft)	PSH Thickness (ft)	Removal Methods	PSH Removed (gals)	Depth to PSH (ft)	Depth to Water or PSH/Water Interface (ft)	PSH Thickness (ft)
MW-27	06/15/10	68.30	68.78	0.48	Bailed	0.15	69.08	69.18	0.10
	06/17/10	68.34	68.88	0.54	Bailed	0.15	69.11	69.15	0.04
	04/17/11	68.10	68.26	0.16	None				
	12/22/11	68.21	68.35	0.14	None				
	04/17/12	67.38	67.52	0.14	None				

**Table 3. Summary of Field Measured Parameters
Compressor Station No. 9 - Roswell, NM**

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µs/cm)	Turbidity (NTU/FTU)	Remarks
MW-3	11/03/97	4.50	7.21	19.2	3,620	1.31	Clear
	01/27/98	5.00	7.28	18.5	3,630	4.31	Clear
	05/26/98	5.60	7.18	21.4	3,980	8.04	Clear
	08/13/98	6.10	7.19	22.2	3,930	5.06	Clear
	12/24/98	4.90	7.26	16.5	3,940	5.34	Clear
	03/24/99	--/6.0	7.13	19.7	3,980	7.34	Clear
	09/07/99	9.0/7.0	7.17	20.6	3,800	--	Clear
	03/27/00	6.80	7.30	19.0	3,930	--	Clear
	03/27/01	5.90	7.21	19.3	3,930	--	Clear
	07/03/02	5.30	6.81	21.8	3,820	--	Clear
	08/01/03	6.90	7.20	23.8	3,940	--	Clear
	09/10/04	7.50	7.10	19.6	3,830	--	Turbid, brown
	10/07/05	5.20	7.03	19.0	3,110	--	Turbid, red
	09/22/06	7.88	7.08	19.6	3,489	--	Turbid
	09/27/07	6.34	6.42	19.4	3,551	--	Turbid
	09/16/08	6.16	7.31	19.4	3,254	--	Turbid
MW-5	10/31/97	7.00	7.12	19.9	4,020	--	Clear
	01/27/98	7.80	7.38	17.7	1,980	7.82	Clear
	05/26/98	10.00	7.13	24.4	4,100	6.80	Clear
	08/11/98	8.30	7.18	20.7	4,210	5.99	Clear
	12/22/98	6.5/7.0	7.17	14.6	4,680	5.36	Clear
	03/23/99	8.40	7.10	19.4	4,360	3.37	Clear
MW-6	10/31/97	6.90	7.21	21.6	3,180	--	Clear
	01/26/98	6.40	7.23	17.3	3,200	6.08	Clear
	05/26/98	8.20	7.19	21.2	3,450	4.67	Clear
	08/11/98	9.0/8.0	7.24	22.4	3,430	8.03	Clear
	12/22/98	6.70	7.29	15.7	3,740	13.72	Clear
	03/23/99	8.0/7.0	7.20	19.9	3,460	4.93	Clear
MW-7	11/03/97	2.50	7.28	18.1	3,540	11.30	Clear
	01/29/98	1.80	7.25	18.4	3,540	5.68	Clear
	05/28/98	3.60	7.14	23.5	3,820	9.35	Clear
	08/14/98	3.6/2.6	7.23	21.7	3,770	6.89	Clear
	12/27/98	2.70	7.20	17.5	3,790	6.09	Clear
	03/25/99	3.0/3.4	7.14	17.6	3,780	4.40	Clear, Bailed down
	09/07/99	2.50	7.18	20.0	3,810	--	Clear
	03/28/00	2.60	7.21	19.1	3,780	13.63	Clear
	11/18/00	--/3.8	7.31	18.6	3,430	--	Clear
	03/28/01	3.90	7.21	19.5	3,810	4.88	Clear
	10/08/01	4.60	7.20	19.8	3,990	--	Clear
	07/01/02	6.90	6.67	21.2	3,690	--	Clear
	08/02/03	4.00	7.24	22.4	3,780	--	Clear
	09/09/04	4.21	7.05	20.7	3,191	--	Clear
	10/07/05	3.20	7.09	18.6	3,000	--	Clear
	09/22/06	3.55	7.23	20.3	3,408	--	Clear
	09/26/07	4.14	7.31	20.1	3,445	--	Clear
	09/11/08	5.15	7.08	20.1	3,019	--	Clear
MW-8	11/02/97	4.40	7.16	18.5	3,730	6.91	Clear
	01/29/98	4.20	7.17	19.8	3,730	2.41	Clear
	05/28/98	4.70	7.11	19.8	4,000	4.66	Clear
	08/14/98	4.30	7.10	20.6	3,970	4.62	Clear
	12/27/98	4.70	7.14	19.1	4,010	5.54	Clear
	03/25/99	4.0/3.8	7.07	18.4	4,040	4.15	Clear
MW-9	11/02/97	5.50	7.32	18.6	4,110	180	Cloudy
	01/29/98	3.90	7.35	16.9	4,090	--	Slightly Turbid
	05/28/98	6.00	7.25	20.8	4,440	62	Cloudy
	08/14/98	5.30	7.23	21.4	4,400	91/80	Cloudy, (80 FTU dissolved metals reading)
	12/27/98	5.30	7.35	17.9	4,400	97	Cloudy
	03/24/99	--/7.0	7.31	18.9	4,430	84	Cloudy, Bailed down

**Table 3. Summary of Field Measured Parameters
Compressor Station No. 9 - Roswell, NM**

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µs/cm)	Turbidity (NTU/FTU)	Remarks
MW-10	11/01/97	6.90	7.14	19.7	3,600	3.40	Clear
	01/27/98	5.90	7.20	19.6	3,570	0.31	Clear
	05/26/98	7.20	7.16	22.7	3,900	2.60	Clear
	08/13/98	6.1/6.0	7.12	20.1	3,840	0.92	Clear
	12/22/98	5.90	7.18	14.7	4,190	3.18	Clear
	03/23/99	6.1/6.0	7.09	18.9	3,900	2.38	Clear
	09/07/99	6.2/6.0	7.05	20.1	3,400	--	Clear
	03/27/00	5.8/5.5	7.17	19.4	3,860	--	Clear
	03/27/01	5.5/5.2	7.13	18.9	3,830	--	Clear
	07/03/02	4.70	6.88	20.4	3,760	--	Clear
	08/01/03	6.70	7.10	23.5	3,860	--	Clear
	09/09/04	4.16	6.94	20.1	3,227	--	Clear
	10/07/05	3.60	7.04	19.3	3,100	--	Clear
	09/22/06	4.58	6.90	19.4	3,396	--	Clear
	09/27/07	5.62	7.64	20.2	3,495	--	Clear
	09/16/08	3.47	7.23	20.0	3,226	--	Cloudy
MW-11	11/01/97	7.10	7.21	19.5	3,640	4.40	Clear
	01/27/98	6.70	7.25	17.8	3,610	2.71	Clear
	05/26/98	7.90	7.24	21.6	3,950	30.01	Clear
	08/13/98	7.90	7.26	20.3	3,890	5.52	Clear
	12/22/98	5.40	7.25	15.6	3,610	10.19	Clear
	03/24/99	--/7.0	7.25	20.1	3,030	8.68	Clear
	09/07/99	6.70	7.27	19.5	3,200	--	Clear
	03/27/00	6.40	7.29	19.0	3,500	--	Clear
	03/27/01	5.8/5.4	7.22	19.1	3,780	--	Clear
	07/03/02	3.60	6.92	20.6	3,780	--	Clear
	08/01/03	7.40	7.21	22.4	3,870	--	Clear
	09/09/04	7.04	6.94	20.0	3,287	--	Clear
	10/07/05	3.20	7.05	19.1	3,140	--	Clear
	09/22/06	8.32	6.64	19.5	3,582	--	Turbid
	09/27/07	6.05	6.28	19.2	3,570	--	Turbid
	09/11/08	7.11	7.11	19.2	3,291	--	Turbid
MW-12	11/04/97	3.40	7.29	20.1	3,790	1.77	Clear, Odor
	01/30/98	1.20	7.16	18.7	3,540	--	Clear, Odor
	05/28/98	2.40	7.19	20.8	3,850	2.83	Clear
	08/15/98	2.50	7.19	20.6	3,900	3.87	Clear, Odor
	12/28/98	0.70	7.24	17.8	3,820	2.83	Clear
	03/26/99	1.7/1.2	7.11	18.2	3,930	1.55	Clear, Odor
	09/07/99	0.70	7.45	20.6	3,960	--	Clear
	03/29/00	2.2/1.8	7.18	19.5	3,920	2.34	Clear, Odor
	11/18/00	--	7.26	19.0	3,470	--	Clear
	03/29/01	1.70	7.18	20.1	3,920	2.62	Clear, Slight odor
	10/08/01	2.40	7.22	19.3	4,190	--	Clear
	07/01/02	2.10	6.98	20.4	3,770	--	Clear
	02/03/03	1.10	7.34	18.1	3,840	--	Clear
	08/02/03	0.80	7.22	22.5	3,890	--	Clear
	03/23/04	1.07	6.95	19.1	3,190	--	Clear, Slight odor
	09/09/04	1.20	6.99	20.2	2,835	--	Clear
	04/01/05	5.70	7.22	18.7	4,430	--	Clear
	10/07/05	0.90	7.01	19.1	2,760	--	Clear
	03/25/06	2.40	7.23	18.4	2,588	--	Clear
	09/22/06	2.35	7.26	21.4	3,363	--	Clear
	03/15/07	2.60	6.86	19.4	3,102	--	Clear
	09/26/07	1.42	7.35	19.9	2,499	--	Clear, turns black, odor
	03/07/08	1.79	7.49	17.6	2,760	--	Clear, Odor

**Table 3. Summary of Field Measured Parameters
Compressor Station No. 9 - Roswell, NM**

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µs/cm)	Turbidity (NTU/FTU)	Remarks
MW-13	11/04/97	1.10	7.10	19.8	3,840	1.76	Clear, Odor
	01/30/98	0.20	6.99	18.7	3,780	--	Clear, Odor
	05/28/98	2.40	6.98	21.8	4,070	10.24	Clear, Sewage Odor
	08/15/98	1.1/0	6.92	20.8	4,140	6.89	Clear, Sewage Odor
	12/27/98	0.90	6.98	19.2	3,940	10.47	Clear, Odor
	03/26/99	0.6/0.4	--	18.8	3,980	7.96	Clear, Odor, turns black in air
	09/08/99	1.5/2.0	6.90	20.1	4,020	--	Clear, Odor
	03/29/00	1.8/0	6.89	19.5	4,130	11.28	Clear, Odor
	11/18/00	--/0.6	6.81	18.9	3,730	--	Strong sulfur smell
	03/29/01	0.90	6.89	20.1	4,120	7.99	Clear, Odor
	10/09/01	1.60	6.81	20.4	4,390	--	Clear with odor
	07/01/02	2.00	6.72	21.4	3,540	--	Clear turns black, sulfur odor
	02/04/03	0.60	7.02	18.3	4,250	--	Clear with sulfur smell
	08/02/03	0.50	6.99	23.5	4,060	--	Clear
	03/23/04	0.92	6.76	20.2	3,560	--	Clear, odor
	09/09/04	2.14	6.87	21.5	3,481	--	Clear
	04/02/05	4.10	7.19	20.2	4,930	--	Clear
	10/07/05	1.30	6.94	21.2	3,440	--	Clear
	03/25/06	2.20	7.19	20.7	3,129	--	Clear
	09/22/06	3.11	7.11	21.6	3,728	--	Clear
	03/15/07	2.18	7.07	20.9	3,660	--	Clear
	09/26/07	2.12	7.38	22.8	3,867	--	Clear
	03/08/08	2.90	7.40	20.6	3,990	--	Clear
	09/16/08	1.76	7.23	22.4	3,387	--	Clear
	03/11/09	2.75	7.05	20.4	3,839	--	Clear
	10/07/09	1.41	6.79	22.1	4,059	--	Clear
	09/23/11	0.51	6.93	23.2	4,128	--	Clear
	01/02/12	3.17	6.88	18.3	3,613	--	Clear
MW-14	11/02/97	2.10	7.16	18.5	3,620	1.09	Clear
	01/29/98	3.20	7.20	17.9	3,600	2.32	Clear
	05/27/98	5.00	7.18	24.8	3,890	2.11	Clear
	08/11/98	5.00	7.17	25.1	3,880	4.76	Clear
	12/23/98	2.40	7.15	18.4	3,890	2.10	Clear
	03/25/99	3.70	7.13	18.7	3,900	1.17	Clear
	09/07/99	5.80	7.09	21.0	3,930	--	Clear
	03/28/00	2.70	7.20	19.2	3,850	--	Clear
	03/28/01	2.10	7.17	19.6	3,850	--	Clear
	07/03/02	2.90	6.90	19.7	3,750	--	Clear
	08/01/03	1.80	7.19	22.5	3,860	--	Clear
	09/09/04	2.21	7.01	20.2	3,247	--	Clear
	10/07/05	1.60	7.05	18.9	3,110	--	Clear
	09/22/06	1.40	7.20	20.1	3,456	--	Clear
	09/27/07	1.13	7.69	20.5	3,530	--	Clear
	09/11/08	1.21	7.00	19.7	3,071	--	Clear
	10/07/09	0.35	7.00	19.9	3,866	--	Clear
MW-15	09/23/10	1.63	6.97	20.1	3,926	--	Clear
	01/02/12	5.11	7.04	15.3	3,459	--	Clear
	11/02/97	3.60	7.32	20.1	3,970	1.54	Clear
	01/28/98	3.60	7.41	17.7	3,930	2.36	Clear
	01/27/98	4.10	7.28	22.1	4,330	1.82	Clear
	08/13/98	4.40	7.24	20.7	4,270	1.57	Clear
	12/24/98	5.40	7.24	15.5	4,160	1.49	Clear
	03/24/99	--/6.0	7.16	19.9	4,310	1.71	Clear
	09/07/99	6.20	7.20	20.6	3,900	--	Clear
	03/28/00	5.0/4.6	7.25	19.2	4,240	--	Clear
	03/28/01	4.20	7.23	19.5	4,280	--	Clear
	07/03/02	6.40	7.00	19.7	4,170	--	Clear
	08/01/03	5.40	7.27	22.4	4,290	--	Clear
	09/09/04	4.92	7.05	20.0	3,591	--	Clear
	10/07/05	3.80	7.04	18.6	3,390	--	Clear
	09/22/06	4.10	7.22	19.6	3,792	--	Clear
	09/27/07	4.50	7.57	19.9	3,841	--	Clear
	09/11/08	5.08	7.04	19.4	3,384	--	Clear

**Table 3. Summary of Field Measured Parameters
Compressor Station No. 9 - Roswell, NM**

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µs/cm)	Turbidity (NTU/FTU)	Remarks
MW-17	11/02/97	5.80	7.26	18.5	3,910	1.20	Clear
	01/28/98	4.90	7.01	18.2	3,880	2.71	Clear
	05/27/98	6.30	7.25	21.9	4,250	1.95	Clear
	08/13/98	6.70	7.28	20.1	4,210	1.65	Clear
	12/24/98	4.50	7.25	17.7	4,220	3.30	Clear
	03/25/99	5.60	7.21	18.6	4,260	1.32	Clear w/ flec's, Sewage Odor
	09/07/99	7.5/7.0	7.26	20.4	4,000	--	Clear
	03/28/00	5.7/4.8	7.26	19.3	4,190	--	Clear
	03/27/01	5.40	7.28	19.3	4,210	--	Clear
	07/03/02	5.90	7.03	19.6	4,110	--	Clear
	08/01/03	6.40	7.28	22.2	4,230	--	Clear
	09/10/04	6.98	7.14	19.4	3,545	--	Clear
	10/07/05	3.80	7.10	18.6	3,380	--	--
	09/22/06	7.54	7.20	19.4	3,839	--	Turbid
	09/27/07	6.30	7.76	19.5	3,759	--	Cloudy
	09/11/08	6.51	7.08	19.2	3,316	--	Clear
MW-18	11/01/97	7.60	7.41	18.6	3,850	0.73	Clear
	01/28/98	7.60	7.36	17.6	3,810	0.63	Clear
	05/27/98	8.20	7.55	21.1	4,170	2.81	Clear
	08/13/98	8.3/8.0	7.55	21.8	4,130	1.08	Clear
	12/24/98	6.00	7.44	14.5	4,030	0.72	Clear
	03/24/99	--/8.0	7.45	19.8	4,180	1.47	Clear, Bailed down
MW-19	11/01/97	8.00	7.33	19.1	4,080	0.85	Clear
	01/27/98	6.20	7.31	18.2	4,030	4.03	Clear
	05/27/98	7.20	7.20	19.4	4,400	3.06	Clear
	08/13/98	8.00	7.28	20.8	4,370	2.25	Clear
	12/23/98	6.80	7.41	16.2	4,390	6.97	Clear
	03/24/99	--/7.2	7.23	18.7	4,380	9.08	Clear
MW-20	11/03/97	1.40	6.90	18.6	3,750	12.6	Clear
	11/03/97	1.00	6.86	18.2	3,710	--	Clear
	05/29/98	3.90	6.81	20.8	4,000	4.11	Clear, Slightly cloudy at end
	08/15/98	2.60	6.86	20.5	4,060	13.57	Clear
	12/28/98	2.2/1.8	6.88	18.5	4,060	9.30	Clear
	03/26/99	1.50	6.78	18.1	4,130	3.23	Clear
	09/08/99	1.50	6.79	19.2	4,040	--	Clear
	03/29/00	1.80	6.82	19.0	4,070	1.89	Clear
	11/15/00	1.80	6.76	18.5	3,680	--	Clear
	03/29/01	1.90	6.82	19.6	4,070	1.99	Clear
	10/08/01	2.30	6.71	19.0	4,280	--	Clear
	07/01/02	3.00	6.66	19.8	3,880	--	Clear
	02/03/03	1.50	6.88	17.8	3,930	--	Clear
	08/03/03	1.40	6.87	21.9	3,980	--	Clear
	03/23/04	1.13	6.76	18.5	3,380	--	Clear, trace of yellow
	09/09/04	2.01	6.73	19.6	3,414	--	Clear
	04/01/05	4.60	6.87	19.4	4,800	--	Clear
	10/07/05	2.10	6.78	18.4	3,190	--	Clear
	03/25/06	6.75	7.11	18.6	2,959	--	Clear
	09/22/06	5.10	7.16	19.4	3,454	--	Clear
	03/15/07	6.01	6.85	19.0	3,368	--	Clear
	09/26/07	3.12	7.23	19.2	3,581	--	Clear
	03/07/08	1.80	7.03	20.5	3,900	--	Clear
	09/16/08	6.15	7.23	19.2	3,398	--	Clear
	03/12/09	4.11	6.98	18.0	3,820	--	Clear
	10/07/09	7.60	6.65	20.0	3,796	--	Clear
	03/30/10	1.90	6.63	18.8	3,822	--	Clear
	09/24/10	6.90	7.06	19.3	4,022	--	Turbid
	04/19/11	4.44	6.91	19.3	4,008	--	Clear
	01/03/12	5.15	7.06	17.6	3,663	--	Clear, Slight odor

**Table 3. Summary of Field Measured Parameters
Compressor Station No. 9 - Roswell, NM**

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µs/cm)	Turbidity (NTU/FTU)	Remarks
MW-21	11/04/97	3.40	7.29	20.1	3,790	1.77	Clear, Odor
	01/30/98	1.40	7.20	17.6	3,690	2.78	Clear, Odor
	05/28/98	2.70	7.21	20.6	3,990	3.57	Clear, Odor
	08/15/98	2.7/2.2	7.16	20.8	4,000	2.32	Clear w/ dark flecks, Odor
	12/28/98	0.80	7.25	18.0	3,990	4.39	Clear, Odor, turns black in air
	03/26/99	0.60	7.17	18.4	0	3.81	Clear, Odor, turns black in air
	09/07/99	0.00	7.29	20.5	3,890	--	Clear, Odor, turns black in air
	03/29/00	0.8/0.6	7.30	19.3	3,970	4.38	Clear, Odor, turns black in air
	11/18/00	--/0.3	7.43	19.0	3,570	--	Clear, strong sulfur smell
	03/29/01	0.9/0.0	7.31	19.6	3,960	2.09	Clear, Odor, turns black in air
	10/08/01	1.40	7.31	19.6	4,230	--	Strong odor
	07/01/02	2.00	6.80	20.1	3,820	--	Gray/black, slight odor
	02/03/03	0.80	7.42	18.3	3,910	--	Clear, sulfur smell
	08/02/03	0.90	7.28	22.4	3,960	--	Clear
	03/23/04	1.12	7.07	18.6	3,290	--	Clear
	09/10/04	2.68	6.96	19.4	3,366	--	Clear
	04/01/05	5.30	7.29	19.9	4,690	--	Clear
	10/07/05	4.30	7.11	18.5	3,210	--	Clear
	03/25/06	4.98	7.44	18.9	2,950	--	Clear
	09/22/06	3.76	7.33	20.7	3,542	--	Clear
	03/14/07	1.68	7.08	19.4	3,475	--	Clear
	09/27/07	4.89	7.37	20.1	3,548	--	Clear
	03/07/08	2.30	7.36	20.3	3,910	--	Clear
	09/11/08	4.30	7.11	19.9	3,153	--	Clear
	03/12/09	2.22	7.15	18.1	3,685	--	Clear
	10/07/09	0.97	6.88	19.6	3,801	--	Clear
	09/23/10	1.02	7.08	21.0	3,882	--	Clear
	01/03/12	3.35	6.90	17.1	3,348	--	Clear, Odor
MW-22	11/03/97	7.00	7.22	18.5	3,700	260.0	Cloudy
	01/29/98	6.50	7.22	18.2	3,660	10.35	Clear
	05/28/98	8.60	7.18	22.8	3,940	48.03	Clear
	08/14/98	8.60	7.20	20.5	3,970	168.0	Cloudy
	12/27/98	8.00	7.25	19.9	3,940	12.00	Clear
	03/25/99	7.00	7.19	17.4	3,980	1.19	Clear
	09/08/99	7.60	7.20	19.4	3,900	--	Clear
	03/28/00	8.40	7.26	18.9	3,930	5.36	Clear
	11/15/00	6.50	7.20	16.7	1,343	--	Clear
	03/29/01	7.60	7.21	19.8	3,930	4.55	Clear
	10/08/01	8.10	7.28	19.5	4,190	--	Clear
	07/01/02	7.20	6.91	20.2	3,740	--	Clear
	02/03/03	6.10	7.55	17.6	3,910	--	Clear
	08/02/03	7.90	7.27	22.1	3,880	--	Cloudy
	03/23/04	4.77	6.89	19.1	3,280	--	Clear
	09/09/04	6.88	7.05	20.2	3,259	--	Cloudy
	04/01/05	6.80	6.99	19.3	4,440	--	Clear
	10/07/05	5.10	7.06	18.7	3,100	--	Turbid
	03/25/06	6.55	7.28	18.7	2,865	--	Turbid
	09/22/06	5.25	7.22	20.9	3,544	--	Turbid
	03/14/07	5.14	6.96	19.2	3,387	--	Turbid
	09/26/07	5.45	7.06	20.0	3,516	--	Clear
	03/07/08	5.40	7.38	19.8	3,620	--	Clear
	09/16/08	5.78	7.38	20.3	3,240	--	Cloudy
	03/12/09	6.06	7.12	17.6	3,657	--	Turbid
	10/07/09	6.85	6.69	19.8	3,779	--	Slightly Turbid
	03/30/10	4.77	6.64	19.2	3,667	--	Cloudy
	09/23/10	4.52	7.00	20.0	3,932	--	Cloudy
	04/19/11	4.40	7.00	19.7	3,826	--	Cloudy
	01/03/12	4.88	7.11	17.2	3,550	--	Clear

**Table 3. Summary of Field Measured Parameters
Compressor Station No. 9 - Roswell, NM**

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µs/cm)	Turbidity (NTU/FTU)	Remarks
MW-23D	11/05/97	2.80	7.55	18.1	2,550	87.5	Slightly to Mod. Milky, Sulfur Smell
	01/28/98	4.80	8.06	18.6	3,820	>200	Silty
	05/27/98	7.10	7.61	23.2	4,150	--	Turbid
	08/11/98	4.20	7.22	19.9	4,130	17.81	Clear
	12/23/98	4.60	7.50	16.6	4,210	43.94	Clear
	04/05/99	5.60	7.18	18.8	4,160	--	Clear
	05/02/00	4.30	7.41	19.5	3,920	--	Silty
	04/19/01	3.20	7.67	20.2	3,780	--	Slightly silty
	06/20/01	5.50	7.36	19.3	3,550	--	Slightly w/Sulfur Smell
	06/12/02	--	--	--	--	--	--
	08/02/03	4.20	7.71	21.4	3,140	--	Clear
	09/09/04	3.70	7.34	19.7	4,120	--	Turbid, Bailed down
	10/16/05	4.10	7.30	19.7	--	--	Turbid, Bailed down
	09/22/06	5.53	10.07	22.6	3,753	--	Slightly turbid, bailed down
	09/27/07	4.43	7.57	19.4	3,694	--	Turbid
	09/11/08	2.01	8.71	21.9	3,216	--	Clear
	10/07/09	1.71	7.76	25.1	3,538	--	Clear
	09/26/10	0.08	7.68	21.3	3,701	--	Clear
	01/03/12	2.25	9.31	18.6	3,402	--	Clear
MW-24D	10/29/98	5.44	7.43	18.5	2,930	--	Silty
	12/23/98	4.20	7.49	16.7	3,840	>1000	Turbid, Bailed down
	03/30/99	4.60	6.98	18.4	3,750	--	Turbid, Bailed down
	05/02/00	4.20	7.28	19.9	3,610	--	Very Silty
	04/19/01	5.80	7.29	19.6	3,610	--	Silty
	06/20/01	6.20	7.35	21.2	3,130	--	Silty
	06/12/02	--	--	--	--	--	--
	08/02/03	5.90	7.21	20.7	2,950	--	Slightly Silty
	09/09/04	3.90	7.21	19.5	3,760	--	Turbid, Bailed down
	10/16/05	4.10	7.22	19.4	3,720	--	Turbid, Bailed down
	09/22/06	1.58	7.18	20.5	3,383	--	Clear, Bailed down
	09/27/07	4.68	7.04	18.6	3,477	--	Turbid
	09/10/08	1.92	7.62	21.4	3,164	--	Clear
	10/07/09	1.55	6.97	21.5	3,427	--	Clear
	09/26/10	0.46	6.85	20.7	3,701	--	Clear
	01/03/12	2.20	7.08	18.2	3,525	--	Clear
MW-25D	10/29/98	4.87	7.80	18.6	3,370	--	Silty
	12/23/98	4.60	7.67	16.9	3,820	77	Clear, Bailed down
	03/30/99	4.10	7.36	18.1	3,790	--	Turbid, Bailed down
	05/02/00	4.50	7.52	19.2	3,510	--	Turbid, Bailed down
	04/19/01	3.70	7.50	19.1	3,600	--	Silty
	06/20/01	6.30	7.59	21.4	3,280	--	Very Silty
	06/12/02	--	--	--	--	--	--
	08/02/03	3.70	7.48	20.8	2,900	--	Silty
	09/09/04	4.90	7.37	19.6	3,690	--	Turbid, gray/brown
	10/16/05	4.60	7.30	19.5	3,720	--	Turbid, Bailed down
	09/22/06	1.84	7.28	20.7	3,508	--	Clear, Bailed down
	09/27/07	4.87	7.06	19.0	3,489	--	Clear, Bailed down
	09/10/08	2.43	7.75	20.6	3,194	--	Clear
	10/07/09	2.44	7.14	20.2	3,436	--	Clear
	09/26/10	0.24	8.03	20.6	3,671	--	Clear
	01/03/12	2.27	7.49	18.3	3,476	--	Clear, Odor

**Table 3. Summary of Field Measured Parameters
Compressor Station No. 9 - Roswell, NM**

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µs/cm)	Turbidity (NTU/FTU)	Remarks
MW-26	10/29/98	4.61	7.20	18.8	3,620	--	Clear
	12/27/98	4.90	7.13	19.4	4,130	83	Cloudy/Turbid
	03/25/99	4.80	7.09	18.4	4,170	35.38	Clear initial/cloudy last
	07/25/99	3.30	7.17	20.3	4,220	--	Clear, no odor
	09/07/99	8.4/7.0	7.11	19.7	4,170	--	Clear
	03/28/00	6.1/6.2	7.13	18.7	4,090	46.91	Clear
	11/15/00	6.8/7.0	7.11	18.4	3,730	--	Clear
	03/28/01	5.1/5.0	7.09	19.0	4,110	16.43	Clear
	10/08/01	5.50	7.06	19.2	4,340	--	Clear
	07/01/02	5.00	6.79	19.3	3,910	--	Clear
	02/03/03	4.10	7.10	17.5	4,030	--	Clear
	08/03/03	3.40	7.08	21.4	3,950	--	Clear
	03/23/04	3.42	6.89	18.3	3,380	--	Yellow
	09/09/04	4.52	6.88	19.2	3,436	--	Clear
	04/01/05	4.70	7.00	19.2	4,740	--	Clear
	10/07/05	3.70	6.91	18.3	3,200	--	Clear
	03/25/06	3.94	7.14	18.5	2,991	--	Clear
	09/22/06	3.72	7.08	19.2	3,577	--	Clear
	03/14/07	3.71	6.78	18.5	3,502	--	Clear
	09/26/07	4.08	7.58	19.1	3,596	--	Clear
	03/07/08	2.60	7.19	20.1	3,710	--	Clear
	09/16/08	3.92	7.17	19.1	3,364	--	Clear
	03/11/09	4.05	7.00	17.5	3,814	--	Clear
	10/08/09	4.37	6.62	19.4	3,952	--	Cloudy
	03/30/10	3.18	6.59	18.7	3,814	--	Clear
	09/24/10	2.74	6.83	19.3	4,096	--	Cloudy
	04/19/11	3.07	6.88	18.9	3,969	--	Clear
	01/03/12	4.15	6.89	17.8	3,649	--	Clear, slight odor
MW-28	11/18/00	--	7.28	17.0	3,510	--	Silty
	02/13/01	4.70	7.30	17.4	3,480	--	Silty
	03/28/01	5.30	7.20	19.5	3,880	31.55	Clear
	06/20/01	4.80	7.11	20.0	3,300	--	Slightly silty to clear
	10/09/01	5.00	7.12	19.7	4,120	--	Clear
	07/03/02	3.70	6.92	20.6	3,750	--	Clear
	08/02/03	5.10	7.19	22.2	3,840	--	Clear
	09/10/04	5.28	7.03	20.0	3,246	--	Clear
	10/06/05	3.70	7.19	18.0	3,070	--	Clear
	09/22/06	4.00	7.13	19.9	3,425	--	Turbid
	09/27/07	4.90	7.12	19.4	3,389	--	Turbid
	09/10/08	4.61	7.49	20.2	3,097	--	Turbid

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Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µs/cm)	Turbidity (NTU/FTU)	Remarks
MW-29	11/19/00	--	7.60	17.9	2,320	--	Brown silty
	02/13/01	3.00	7.06	17.0	2,300	--	Silty
	03/28/01	2.70	7.17	19.5	2,610	8.51	Clear, bailing down
	06/20/01	1.80	7.03	21.4	2.25	--	Clear
	10/09/01	2.60	7.07	20.1	2,700	--	Clear
	07/03/02	2.20	6.66	23.8	2,390	--	Clear
	02/03/03	2.10	7.49	18.4	2,580	--	Clear, sulfur smell
	08/03/03	0.40	7.15	21.6	2,640	--	Turbid
	03/23/04	1.04	7.12	18.4	2,070	--	Turbid, slight odor
	09/10/04	3.10	7.17	19.2	2,540	--	Turbid, brown
	04/01/05	2.40	7.28	20.0	2,890	--	Turbid, odor
	10/06/05	0.80	7.09	18.6	2,060	--	Turbid, odor
	03/24/06	1.10	7.24	18.7	2,684	--	Turbid, odor
	09/22/06	2.32	6.86	19.3	2,210	--	Turbid, odor
	03/14/07	1.64	6.81	19.0	2,227	--	Turbid, odor
	09/25/07	0.93	8.17	19.6	2,272	--	Clear
	03/08/08	0.70	7.31	20.2	2,440	--	Clear, slight odor
	09/10/08	1.90	7.41	20.2	2,072	--	Clear
	03/11/09	1.28	7.03	18.4	2,330	--	Clear
	10/07/09	0.43	6.84	19.6	2,986	--	Clear
	03/30/10	0.24	6.62	19.5	2,589	--	Clear
	09/23/10	0.27	6.98	20.1	2,917	--	Clear
	04/19/11	0.37	6.96	19.8	2,519	--	Clear
	01/02/12	2.20	6.99	17.1	2,372	--	Clear
MW-30	11/18/00	--	7.54	18.6	3,350	--	Silty
	02/13/01	4.80	7.27	17.3	3,480	--	Slightly silty
	03/28/01	4.80	7.18	19.6	3,880	36.52	Slightly cloudy
	06/20/01	4.70	7.06	20.4	3,300	--	Clear
	10/09/01	5.50	7.23	19.7	4,130	--	Clear
	07/04/02	3.50	7.04	19.2	3,800	--	Clear
	08/02/03	5.00	7.20	22.9	3,850	--	Clear
	09/10/04	5.75	7.05	19.9	3,252	--	Clear
	10/06/05	3.50	7.10	18.4	3,120	--	Clear
	09/21/06	5.79	7.19	20.0	3,449	--	Turbid
	09/27/07	4.74	7.72	20.4	3,511	--	Slightly Turbid
	09/16/08	5.49	7.32	20.0	3,224	--	Turbid
MW-31	10/04/01	7.50	7.49	18.5	4,260	--	Red/Silty
	02/26/02	6.30	7.31	19.6	4,340	--	Clear
	07/04/02	5.10	7.08	19.5	4,070	--	Clear
	08/02/03	6.30	7.34	22.7	4,150	--	Clear
	09/10/04	6.65	7.15	19.6	3,482	--	Clear
	10/06/05	4.20	7.21	18.0	3,270	--	Clear
	09/22/06	5.12	7.25	19.7	3,685	--	Clear
	09/25/07	5.48	8.38	20.2	3,790	--	Clear
	09/10/08	5.15	7.62	20.6	3,369	--	Clear

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Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µs/cm)	Turbidity (NTU/FTU)	Remarks
MW-32	10/04/01	3.80	7.41	19.0	3,800	--	Silght odor
	02/26/02	1.20	7.21	20.5	3,770	--	Cloudy
	07/04/02	1.30	7.06	19.3	3,500	--	Cloudy
	02/03/03	0.80	7.56	18.3	3,590	--	Cloudy
	08/02/03	1.00	7.23	22.5	3,520	--	Cloudy
	03/23/04	0.64	7.10	18.3	2,910	--	Clear, slight odor
	09/10/04	1.07	7.08	19.8	3,109	--	Clear
	04/01/05	1.70	7.20	20.1	4,230	--	Clear
	10/06/05	2.60	7.22	18.3	3,100	--	Clear
	03/26/06	1.12	7.30	19.5	2,698	--	Clear
	09/21/06	1.29	7.16	19.3	3,201	--	Clear
	03/14/07	1.22	6.93	19.4	3,179	--	Clear
	09/27/07	0.96	7.05	19.0	3,217	--	Clear
	03/07/08	1.40	7.36	20.4	3,410	--	Clear
	09/10/08	2.93	7.48	20.1	3,050	--	Clear
	03/11/09	1.05	7.10	18.8	3,704	--	Clear
	10/07/09	0.19	6.88	19.4	3,948	--	Clear
	03/30/10	0.43	6.65	19.6	3,731	--	Clear
	09/23/10	0.13	6.99	19.8	3,994	--	Clear
	04/19/11	0.39	7.00	19.7	3,757	--	Clear
	01/02/12	1.43	7.00	18.2	3,307	--	Clear
MW-33	10/04/01	7.60	7.56	19.0	4,360	--	Red/Silty
	02/26/02	5.40	7.31	19.2	4,280	--	Clear
	07/04/02	4.40	7.11	19.9	4,040	--	Clear
	08/02/03	5.60	7.31	22.4	4,130	--	Clear
	09/10/04	6.34	7.17	20.0	3,471	--	Clear
	10/06/05	3.90	7.28	18.3	3,210	--	Clear
	09/21/06	6.20	7.25	19.6	3,639	--	Clear
	09/27/07	5.45	7.21	19.8	3,669	--	Clear
	09/10/08	4.88	7.63	20.5	3,317	--	Clear
MW-34	01/21/03	2.30	7.42	19.5	3,380	--	Slightly silty
	02/04/03	2.20	7.54	17.9	3,910	--	Turbid
	08/03/03	1.50	7.26	21.7	3,980	--	Turbid
	03/22/04	1.16	7.10	19.6	3,340	--	Slightly Turbid
	09/10/04	4.90	7.25	19.2	3,840	--	Turbid, brown
	04/01/05	3.20	7.28	19.4	4,600	--	Slightly Turbid, red
	10/06/05	1.50	7.12	18.5	3,190	--	Clear
	03/26/06	1.67	7.32	19.2	2,928	--	Clear
	09/21/06	3.19	7.20	19.7	3,497	--	Clear
	03/14/07	3.30	6.93	19.3	3,443	--	Clear
	09/26/07	6.38	7.37	19.5	3,521	--	Clear
	03/08/08	6.00	7.42	20.4	3,840	--	Clear
	09/10/08	6.09	7.52	19.7	3,143	--	Clear
	03/11/09	5.30	7.13	18.7	3,723	--	Clear
	10/07/09	6.58	6.95	19.4	3,951	--	Clear
	03/30/10	5.17	6.65	19.3	3,730	--	Clear
	09/23/10	3.81	7.04	19.6	4,005	--	Clear
	04/19/11	0.87	7.02	19.3	3,887	--	Clear
	01/02/12	1.56	7.02	18.2	3,579	--	Clear

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Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µs/cm)	Turbidity (NTU/FTU)	Remarks
MW-35	01/21/03	3.50	7.33	19.8	3,480	--	Silty
	02/03/03	5.40	7.72	18.3	3,770	--	Turbid
	08/03/03	6.10	7.29	21.7	4,120	--	Turbid
	03/22/04	4.58	7.17	19.4	3,390	--	Slightly silty
	09/10/04	7.30	7.23	19.0	4,050	--	Turbid, brown
	04/01/05	6.40	7.33	19.9	4,870	--	Clear
	10/06/05	4.80	7.20	18.5	3,300	--	Clear
	03/26/06	6.64	7.41	19.5	3,098	--	Clear
	09/21/06	7.74	7.24	19.8	3,669	--	Clear
	03/14/07	6.10	6.99	19.6	3,626	--	Clear
	09/26/07	6.56	7.34	19.6	3,685	--	Clear
	07/08/08	5.90	7.43	20.4	3,930	--	Clear
	09/10/08	6.28	7.58	20.3	3,331	--	Clear
	03/11/09	5.65	7.21	18.7	3,887	--	Clear
	10/07/09	6.99	7.03	19.6	4,120	--	Clear
	03/30/10	5.46	6.75	19.7	3,891	--	Clear
	09/23/10	5.45	7.09	20.2	4,178	--	Clear
	04/19/11	4.63	7.05	19.7	4,068	--	Clear
	01/02/12	4.78	7.06	17.3	3,765	--	Clear
MW-36	11/11/03	2.09	7.31	20.1	2,960	--	Turbid/Silty
	03/22/04	4.12	7.11	19.6	3,120	--	Slightly Turbid
	09/10/04	4.77	7.11	19.6	3,143	--	Cloudy
	04/02/05	3.90	7.39	19.7	4,540	--	Clear
	10/06/05	3.20	7.27	17.8	2,960	--	Clear
	03/26/06	4.06	7.17	18.7	2,727	--	Clear
	09/21/06	4.46	7.20	19.6	3,309	--	Clear
	03/14/07	3.09	6.41	18.9	3,220	--	Cloudy
	09/26/07	3.61	7.52	19.4	3,323	--	Cloudy
	03/07/08	3.60	7.48	20.3	3,650	--	Clear
	09/10/08	3.75	7.52	19.0	2,917	--	Clear
MW-37	03/11/09	2.86	7.18	18.2	3,514	--	Clear
	11/11/03	2.09	7.43	20.2	2,930	--	Slightly Silty
	03/22/04	2.83	7.09	18.8	3,290	--	Slightly Turbid
	09/10/04	4.89	7.04	19.5	3,364	--	Clear
	04/02/05	3.40	7.26	18.8	4,690	--	Clear
	10/06/05	3.40	7.11	17.6	3,180	--	Clear
	03/26/06	4.10	7.25	18.5	2,911	--	Clear
	09/21/06	4.74	7.11	19.3	3,508	--	Clear
	03/14/07	3.73	6.73	18.8	3,439	--	Clear
	09/26/07	4.95	7.40	19.5	3,567	--	Clear
MW-38	03/07/08	3.80	7.34	20.3	3,880	--	Clear
	09/10/08	4.90	7.47	18.9	3,119	--	Clear
	03/11/09	4.31	7.13	18.3	3,745	--	Clear
	11/11/03	4.48	7.68	20.4	3,290	--	Turbid/Silty
	03/22/04	5.20	7.18	19.4	3,510	--	Slightly Turbid
	09/10/04	7.90	7.16	20.2	3,510	--	Clear
	04/02/05	6.70	7.40	18.9	4,980	--	Clear
	10/06/05	4.80	7.08	17.8	3,220	--	Clear
	03/26/06	6.91	7.41	19.0	3,092	--	Clear
	09/21/06	7.93	7.05	20.2	3,755	--	Clear
	03/14/07	6.55	6.93	19.3	3,641	--	Clear
	09/26/07	6.34	7.45	20.4	3,802	--	Clear
	03/07/08	5.70	7.48	19.6	4,100	--	Clear
	09/10/08	6.68	7.62	19.5	3,311	--	Clear
	03/11/09	6.26	7.26	18.3	3,933	--	Clear

**Table 3. Summary of Field Measured Parameters
Compressor Station No. 9 - Roswell, NM**

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach	pH	Temperature °C	Electrical Conductivity (µs/cm)	Turbidity (NTU/FTU)	Remarks
MPE-1	08/02/03	3.80	7.33	21.4	3,100	--	Turbid
MPE-2	08/02/03	3.20	7.29	21.0	2,940	--	Turbid
	03/22/04	4.33	7.14	19.5	3,420	--	Clear
	09/10/04	5.70	7.27	19.1	3,840	--	Turbid, brown
	04/02/05	3.60	7.34	19.1	4,740	--	Turbid, silty, red
	10/16/05	6.00	7.20	19.3	3,760	--	Turbid, brown
	03/24/06	5.96	7.33	18.6	4,432	--	Turbid, brown
MPE-11	08/02/03	1.50	7.39	20.8	2,040	--	Black w/ Sulfur odor
	03/22/04	0.67	7.04	19.7	2,580	--	Gray w/ Strong sulfur odor
	09/10/04	2.20	7.26	20.0	3,230	--	Black w/odor
	04/02/05	3.10	7.39	19.1	3,840	--	Black w/odor
	10/16/05	2.90	7.15	19.4	3,580	--	Black w/odor
	03/24/06	1.88	7.29	19.9	4,081	--	Turbid, gray/black
MPE-15	08/03/03	3.00	7.17	22.6	2,020	--	Black w/ Odor
	03/22/04	3.77	7.06	20.6	1,840	--	Grayish brown w/ strong odor
	09/10/04	0.90	7.23	20.2	2,280	--	Black, turbid, odor
	10/16/05	1.00	7.15	19.2	2,330	--	Turbid, odor
	03/24/06	1.19	7.35	18.8	2,430	--	Gray color w/odor

Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-3	04/30/93	< 5	< 5	< 5	NA	NA	< 5	< 5	< 5	< 5	NA	NA	NA
	08/22/95	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	09/10/96	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	07/30/97	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	11/03/97	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/27/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/26/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/13/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/24/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/24/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	09/07/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	03/27/00	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	03/27/01	< 1	< 5	< 5	< 5	< 10	< 5	< 5	< 1	< 5	NA	NA	NA
	07/03/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
	08/01/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
09/27/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA	
09/16/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA	
MW-5	04/30/93	< 5	< 5	< 5	NA	NA	< 5	< 5	< 5	< 5	NA	NA	NA
	08/22/95	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	09/10/96	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	07/25/97	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	10/31/97	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/27/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/26/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/11/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/22/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/23/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA

Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-6	12/02/94	< 0.5	< 0.5	< 0.5	< 0.5	NA	< 0.2	< 5	< 5	< 0.2	NA	NA	NA
	08/22/95	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	09/10/96	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	07/25/97	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	10/31/97	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/26/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/26/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/11/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/22/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/23/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
MW-7	08/23/95	< 5	< 5	< 5	< 5	900	< 5	< 5	< 5	< 5	NA	< 10	< 10
	09/17/96	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	07/31/97	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	11/03/97	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/29/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/28/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/14/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/27/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/25/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	09/07/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	03/28/00	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	11/18/00	< 1.00	< 1.00	< 1.00	< 1.00	< 10.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	NA
	03/28/01	< 1	< 5	< 5	< 5	< 10	< 5	< 5	< 1	< 5	NA	NA	NA
	10/08/01	< 1	< 1	< 1	< 3	< 10	< 1	< 1	< 1	< 1	< 1	NA	NA
	07/01/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
	08/02/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/09/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/26/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
09/11/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA	

Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-8	08/22/95	6	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	09/11/96	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	08/01/97	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	11/02/97	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/29/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/28/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/14/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/27/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/25/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
MW-9	08/23/95	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	09/11/96	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	07/31/97	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	11/02/97	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/29/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/28/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/14/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/27/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/24/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
MW-10	09/19/96	2	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	07/31/97	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	11/01/97	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/27/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/26/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/13/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/22/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/23/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	09/07/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	03/27/00	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	03/27/01	< 1	< 5	< 5	< 5	< 10	< 5	< 5	< 1	< 5	NA	NA	NA
	07/03/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
	08/01/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/09/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/16/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA

Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-11	09/19/96	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	07/30/97	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	11/01/97	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/27/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/26/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/13/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/22/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/24/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	09/07/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	03/27/00	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	03/27/01	< 1	< 5	< 5	< 5	< 10	< 5	< 5	< 1	< 5	NA	NA	NA
	07/03/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	1.1	< 1.0	< 1.0	NA	NA
	08/01/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/09/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/11/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA

Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-12	09/17/96	760	< 5	< 5	52	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	08/06/97	280	< 5	< 5	< 5	< 10	< 5	9	< 5	< 5	NA	< 10	< 10
	11/04/97	340	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/30/98	310	< 5	< 5	26	< 20	< 5	< 5	< 5	< 5	10	< 5	NA
	05/28/98	310	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	9	< 5	NA
	08/15/98	190	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	8	< 5	NA
	12/28/98	120	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	4	2.8	NA
	03/26/99	92	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	3	2.2	NA
	09/07/99	38	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	03/29/00	92	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	11/18/00	80.2	< 1.00	< 1.00	< 1.00	< 10.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	NA
	03/29/01	59.4	< 5	< 5	< 5	< 10	< 5	< 5	< 1	< 5	< 5	NA	NA
	10/08/01	112	< 1	< 1	1.68	< 10	< 1	< 1	< 1	< 1	< 1	NA	NA
	07/01/02	51	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
	02/03/03	30	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	08/02/03	24	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/23/04	59	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/09/04	66	< 1.0	1.3	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	04/01/05	420	< 5.0	< 5.0	5.98	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/05	230	< 1.0	< 1.0	1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/25/06	220	< 5.0	< 5.0	< 15	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	480	97	15	54	NA	NA	NA	NA	NA	NA	NA	NA
	03/15/07	2200	450	96	270	NA	NA	NA	NA	NA	NA	NA	NA
	09/26/07	1300	620	230	780	NA	NA	NA	NA	NA	NA	NA	NA
	03/07/08	820	120	270	770	NA	NA	NA	NA	NA	NA	NA	NA

Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene (b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-13	09/19/96	4,600	9	< 5	170	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	08/09/97	2,400	< 5	100	< 5	< 100	< 5	41	< 5	< 5	NA	< 10	< 10
	11/04/97	590	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/29/98	61	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/28/98	140	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/15/98	30	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/27/98	58	1	< 1	4	< 20	< 1	< 1	< 1	< 1	< 1	1.3	NA
	03/26/99	44	< 1	< 1	6	< 20	< 1	< 1	< 1	< 1	< 1	0.8	NA
	09/08/99	160	2	< 1	4	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	03/29/00	84	4.0	< 1	4.0	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	11/18/00	139	< 1.00	< 1.00	2.34	< 10.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	NA	NA
	03/29/01	212	< 5	< 5	< 5	< 10	< 5	< 5	< 1	< 5	NA	NA	NA
	10/09/01	317	< 1	< 1	7.81	< 10	< 1	< 1	< 1	< 1	1.41	NA	NA
	07/01/02	590	< 10	< 10	31	NA	< 10	< 10	< 10	< 10	< 10	NA	NA
	02/04/03	560	< 10	< 10	19	NA	NA	NA	NA	NA	NA	NA	NA
	08/02/03	1.1	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA
	03/23/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/09/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	04/02/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/25/06	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/15/07	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA
	09/26/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/08/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/16/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/24/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	01/02/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA

Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene (b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-14	09/24/96	2 (a)	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	08/01/97	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	11/02/97	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/29/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/27/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/11/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/23/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/25/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	09/07/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	03/28/00	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	03/28/01	< 1	< 5	< 5	< 5	< 10	< 5	< 5	< 1	< 5	NA	NA	NA
	07/03/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
	08/01/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/09/04	3.3	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/05	48	< 1.0	< 1.0	2.3	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	42	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/07	25	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/11/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/23/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
01/02/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	
MW-15	09/25/96	4 (a)	6	< 5	6	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	08/08/97	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	11/02/97	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/28/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/27/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/13/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/24/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/24/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	09/07/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	03/28/00	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	03/28/01	< 1	< 5	< 5	< 5	< 10	< 5	< 5	< 1	< 5	NA	NA	NA
	07/03/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
	08/01/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/11/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA

Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-17	09/24/96	2 ^(a)	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	07/31/97	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	11/02/97	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/28/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/27/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/13/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/24/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/25/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	09/07/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	03/28/00	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	NA	NA
	03/27/01	< 1	< 5	< 5	< 5	< 10	< 5	< 5	< 1	< 5	NA	NA	NA
	07/03/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
	08/01/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/11/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
MW-18	08/09/97	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	11/01/97	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/28/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/27/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/13/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/24/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/24/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
MW-19	09/27/96	2	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	08/08/97	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	11/01/97	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/27/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/27/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/13/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/23/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/24/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA

**Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM**

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-20	08/07/97	12	< 5	< 5	< 5	< 100	8	< 5	39	22	NA	< 10	< 10
	11/03/97	< 5	< 5	< 5	< 5	< 100	10	< 5	86	28	NA	< 10	NA
	01/29/98	< 5	< 5	< 5	< 5	< 20	12	< 5	72	< 5	< 5	< 5	NA
	05/29/98	< 5	< 5	< 5	< 5	< 20	15	< 5	120	< 5	< 5	< 5	NA
	08/15/98	< 5	< 5	< 5	< 5	< 20	14	< 5	100	28	< 5	< 5	NA
	12/28/98	< 1	< 1	< 1	< 1	< 20	15	< 1	83	27	< 1	< 1	NA
	03/26/99	< 1	< 1	< 1	< 1	< 20	15	< 1	84	27	< 1	< 1	NA
	09/08/99	< 1	< 1	< 1	< 1	< 20	16	< 1	100	26	< 1	NA	NA
	03/29/00	< 1	< 1	< 1	< 1	< 20	19	< 1	110	24	< 1	NA	NA
	11/15/00	< 1.00	< 1.00	< 1.00	< 1.00	< 10.00	17.5	< 1.00	94.5	18.7	< 1.00	NA	NA
	03/29/01	< 1	< 5	< 5	< 5	< 10	26.6	< 5	128	19.1	NA	NA	NA
	10/08/01	< 1	< 1	< 1	< 3	< 10	26.6	< 1	204	20.8	< 1	NA	NA
	07/01/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	25	< 1.0	110	12	< 1.0	NA	NA
	02/03/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	24	< 1.0	160	11	< 1.0	NA	NA
	08/03/03	1.4	< 1.0	< 1.0	< 1.0	< 10	26	< 1.0	120	8.8	< 1.0	NA	NA
	03/23/04	< 1.0	< 1.0	< 1.0	< 1.0	< 50	29	< 5.0	110	5.7	< 5.0	NA	NA
	09/09/04	1.2	< 1.0	< 1.0	< 1.0	< 10	23	< 1.0	140	5.7	< 1.0	NA	NA
	04/01/05	< 1.0	< 1.0	< 1.0	< 1.0	< 50	62	< 5.0	240	9.1	< 5.0	NA	NA
	10/07/05	< 1.0	< 1.0	< 1.0	< 1.0	< 50	62	< 5.0	240	8.7	< 5.0	NA	NA
	03/25/06	< 1.0	< 1.0	< 1.0	< 1.0	< 10	23	< 1.0	63	2.9	< 1.0	NA	NA
	06/22/06	4.3	< 1.0	< 1.0	< 3.0	< 10	15	< 1.0	45	1.6	< 1.0	NA	NA
	03/15/07	5.3	< 1.0	< 1.0	< 1.5	< 10	16	< 1.0	40	< 1.0	< 1.0	NA	NA
	09/26/07	1.7	< 1.0	< 1.0	< 1.5	< 10	25	< 1.0	64	1.1	< 1.0	NA	NA
	03/07/08	2.3	< 1.0	< 1.0	< 1.5	< 10	22	< 1.0	73	1.2	< 1.0	NA	NA
	09/16/08	1.1	< 1.0	< 1.0	< 1.5	< 10	20	< 1.0	47	< 1.0	< 1.0	NA	NA
	03/12/09	< 1.0	< 1.0	< 1.0	< 1.5	< 10	14	< 1.0	35	< 1.0	< 1.0	NA	NA
	10/07/09	2.8	< 1.0	< 1.0	< 1.5	< 10	7.2	< 1.0	13	< 1.0	< 1.0	NA	NA
	03/30/10	< 1.0	< 1.0	< 1.0	< 1.5	< 10	13	< 1.0	28	< 1.0	< 1.0	NA	NA
	09/24/10	< 1.0	< 1.0	< 1.0	< 1.5	< 10	4.6	< 1.0	9.7	< 1.0	< 1.0	NA	NA
	04/19/11	< 1.0	< 1.0	< 1.0	< 1.5	< 10	14	< 1.0	22	< 1.0	< 1.0	NA	NA
	01/03/12	< 1.0	< 1.0	< 1.0	< 1.5	< 10	5.1	< 1.0	6.4	< 1.0	< 1.0	NA	NA

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Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-21	08/07/97	370	< 5	< 5	< 5	< 100	< 5	11	< 5	< 5	NA	< 10	< 10
	11/04/97	170	< 5	< 5	15	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/30/98	700	< 5	< 5	26	< 20	< 5	< 5	< 5	< 5	NA	< 5	NA
	05/28/98	790	< 5	< 5	34	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/15/98	1,000	< 5	< 5	68	< 20	< 5	< 5	< 5	< 5	7	< 5	NA
	12/28/98	1,400	1	< 1	61	< 20	< 1	< 1	< 1	< 1	9	8.8	NA
	03/26/99	1,400	< 1	< 1	28	< 20	< 1	< 1	< 1	< 1	5	7.1	NA
	09/07/99	1,500	< 1	4	25	< 20	< 1	< 1	< 1	< 1	4	NA	NA
	03/29/00	1,700	< 1	8.0	12	< 20	< 1	< 1	< 1	< 1	4.0	NA	NA
	11/18/00	1,430	< 5.00	12.7	< 10.0	< 50.0	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	NA	NA
	03/29/01	2,600	< 10	16.9	< 10	< 20	< 10	< 10	< 2	< 10	< 10	NA	NA
	10/08/01	2,210	< 1	19	2.6	< 10	< 1	< 1	< 1	< 1	1.38	NA	NA
	07/01/02	1,800	< 1.0	21	1.4	NA	< 1.0	< 1.0	< 1.0	< 1.0	1.6	NA	NA
	02/03/03	1,400	< 10	40	< 10	NA	NA	NA	NA	NA	NA	NA	NA
	08/02/03	370	< 1	< 1	2.2	NA	NA	NA	NA	NA	NA	NA	NA
	03/23/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	04/01/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/25/06	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/14/07	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/08/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/11/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/23/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	01/03/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA

**Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM**

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-22	08/07/97	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	11/03/97	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/29/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/28/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/14/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/27/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	4	1	< 1	< 1	NA
	03/25/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	4	1	< 1	< 1	NA
	09/08/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	5	2	< 1	NA	NA
	03/28/00	< 1	< 1	< 1	< 1	< 20	< 1	< 1	6.0	2.0	< 1	NA	NA
	11/15/00	< 1.00	< 1.00	< 1.00	< 1.00	< 10.00	< 1.00	< 1.00	4.29	1.08	< 1.00	NA	NA
	03/29/01	< 1	< 5	< 5	< 5	< 10	< 5	< 5	7.62	< 5	NA	NA	NA
	10/08/01	< 1	< 1	< 1	< 3	< 10	< 1	< 1	10.3	1.33	< 1	NA	NA
	07/01/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	6.8	1.5	< 1.0	NA	NA
	02/03/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	4.6	< 1.0	< 1.0	NA	NA
	08/02/03	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	4.1	< 1.0	< 1.0	NA	NA
	03/23/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	2.6	< 1.0	< 1.0	NA	NA
	09/09/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	2.0	< 1.0	< 1.0	NA	NA
	04/01/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	1.2	< 1.0	< 1.0	NA	NA
	10/07/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
	03/25/06	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	1.1	< 1.0	< 1.0	NA	NA
	09/22/06	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 2.0	< 1.0	1.2	< 1.0	< 1.0	NA	NA
	03/14/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	1.1	< 1.0	< 1.0	NA	NA
	09/26/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
	03/07/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	1.3	< 1.0	< 1.0	NA	NA
	09/16/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
	03/12/09	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	1.2	< 1.0	< 1.0	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
	03/30/10	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	1.1	< 1.0	< 1.0	NA	NA
	09/23/10	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
	04/19/11	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0	1.6	< 1.0	< 1.0	NA	NA
	01/03/12	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA

Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-23D	08/06/97	< 1	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	< 10
	11/05/97	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	NA	< 10	NA
	01/28/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	05/27/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	08/11/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	< 5	< 5	NA
	12/23/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	04/05/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	05/02/00	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	NA	NA
	04/19/01	< 1	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA
	06/20/01	< 1	< 5	< 5	< 10	< 10	< 5	< 5	< 1	< 5	< 5	NA	NA
	06/12/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
	08/02/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/09/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/16/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/11/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
09/26/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA	
01/03/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	
MW-24D	10/29/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	NA	< 5	NA
	12/23/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/30/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	05/02/00	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	NA	NA
	04/19/01	< 1	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA
	06/20/01	< 1	< 5	< 5	< 10	< 10	< 5	< 5	< 1	< 5	< 5	NA	NA
	06/12/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
	08/02/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/09/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/16/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/26/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	01/03/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA

**Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM**

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-25D	10/29/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	NA	< 5	NA
	12/23/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/30/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	05/02/00	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	NA	NA
	04/19/01	< 1	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA
	06/20/01	< 1	< 5	< 5	< 10	< 10	< 5	< 5	< 1	< 5	< 5	NA	NA
	06/12/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
	08/02/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/09/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/16/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/26/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	01/03/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA

Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-26	10/29/98	< 5	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5	NA	< 5	NA
	12/27/98	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	03/25/99	< 1	< 1	< 1	< 1	< 20	< 1	< 1	< 1	< 1	< 1	< 1	NA
	07/25/99	< 1	< 1	< 1	< 1	< 10	< 1	< 1	1	< 1	< 1	< 1	NA
	09/07/99	< 1	< 1	< 1	< 1	< 10	< 1	< 1	1	< 1	< 1	NA	NA
	03/28/00	< 1	< 1	< 1	< 1	< 10	< 1	< 1	3.0	< 1	< 1	NA	NA
	11/15/00	< 1.00	< 1.00	< 1.00	< 1.00	< 10.00	< 1.00	< 1.00	3.14	< 1.00	< 1.00	NA	NA
	03/28/01	< 1	< 5	< 5	< 5	< 10	< 5	< 5	6.75	< 5	NA	NA	NA
	10/08/01	< 1	< 1	< 1	< 3	< 10	< 1	< 1	9.61	< 1	< 1	NA	NA
	07/01/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	1.7	< 1.0	9.1	1.6	< 1.0	NA	NA
	02/03/03	1.9	< 1.0	< 1.0	< 1.0	NA	1.1	< 1.0	11	1.2	< 1.0	NA	NA
	08/03/03	49	< 1.0	< 1.0	< 1.0	< 10	3.2	< 1.0	14	1.1	< 1.0	NA	NA
	03/23/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	2.2	< 1.0	19	1.1	< 1.0	NA	NA
	09/09/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	1.8	< 1.0	18	1.2	< 1.0	NA	NA
	04/01/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	2.8	< 1.0	27	< 1.0	< 1.0	NA	NA
	10/07/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	3.0	< 1.0	25	1.0	< 1.0	NA	NA
	03/25/06	< 1.0	< 1.0	< 1.0	< 1.0	< 10	3.2	< 1.0	27	< 1.0	< 1.0	NA	NA
	09/22/06	< 1.0	< 1.0	< 1.0	< 3.0	< 10	3.3	< 1.0	32	1.0	< 1.0	NA	NA
	03/14/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	3.9	< 1.0	29	< 1.0	< 1.0	NA	NA
	09/26/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	4.3	< 1.0	37	< 1.0	< 1.0	NA	NA
	03/07/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	1.6	< 1.0	31	< 1.0	< 1.0	NA	NA
	09/16/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	4.8	< 1.0	47	< 1.0	< 1.0	NA	NA
	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	< 10	4.2	< 1.0	43	< 1.0	< 1.0	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 1.5	< 10	5.5	< 1.0	42	< 1.0	< 1.0	NA	NA
	03/30/10	< 1.0	< 1.0	< 1.0	< 1.5	< 10	5.5	< 1.0	60	< 1.0	< 1.0	NA	NA
	09/24/10	< 1.0	< 1.0	< 1.0	< 1.5	< 10	6.2	< 1.0	50	< 1.0	< 1.0	NA	NA
	04/19/11	< 1.0	< 1.0	< 1.0	< 1.5	< 10	5.9	< 1.0	60	< 1.0	< 1.0	NA	NA
	01/03/12	< 1.0	< 1.0	< 1.0	< 1.5	< 10	7.8	< 1.0	57	< 1.0	< 1.0	NA	NA
MW-28	11/18/00	< 1.00	< 1.00	< 1.00	< 1.00	< 10.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	NA
	02/13/01	< 1.00	< 1.00	< 1.00	< 1.00	< 10.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	NA
	03/28/01	< 1	< 5	< 5	< 5	< 10	< 5	< 5	< 1	< 5	NA	< 0.05	NA
	06/20/01	< 1	< 5	< 5	< 10	< 10	< 5	< 5	< 1	< 5	< 5	0.124	NA
	10/09/01	< 1	< 1	< 1	< 3	< 10	< 1	< 1	< 1	< 1	< 1	0.15	NA
	07/03/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10
	08/02/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/06/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA

Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-29	11/19/00	590	< 5.00	57.8	23.2	< 10.00	< 1.00	< 1.00	< 1.00	< 1.00	18.7	< 0.100	NA
	02/13/01	734	< 5.00	77.9	32.0	< 50.00	< 5.00	< 5.00	< 5.00	< 5.00	25.0	6.540	NA
	03/28/01	1,130	< 5	73.5	28.2	< 10	< 5	< 5	< 1	< 5	24	6.050	NA
	06/20/01	556	< 5	69.6	9.21	< 10	< 5	< 5	< 1	< 5	9.69	1.15	NA
	10/09/01	413	< 1	78.2	5.03	< 10	< 1	< 1	< 1	< 1	8.03	5.3	NA
	07/03/02	200	< 1	83	< 1	NA	< 1	< 1	< 1	< 1	3.8	< 10	< 10
	02/03/03	190	< 1.0	38	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	08/03/03	210	< 1.0	49	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/23/04	88	< 5.0	7.5	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	110	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
	04/01/05	30	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/06/05	12	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/24/06	4.9	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	14	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/14/07	2.5	< 1.0	< 1.0	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA
	09/25/07	2.7	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/08/08	1.8	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/08	26	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/11/09	4.1	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/09	8.4	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/30/10	1.4	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/23/10	1.3	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	04/19/11	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	01/02/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
MW-30	11/18/00	< 1.00	< 1.00	< 1.00	< 1.00	< 10.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 0.200	NA
	02/13/01	< 1.00	< 1.00	< 1.00	< 1.00	< 10.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 0.100	NA
	03/28/01	< 1	< 5	< 5	< 5	< 10	< 5	< 5	< 1	< 5	NA	< 0.05	NA
	06/20/01	< 1	< 5	< 5	< 10	< 10	< 5	< 5	< 1	< 5	< 5	< 0.05	NA
	10/09/01	< 1	< 1	< 1	< 3	< 10	< 1	< 1	< 1	< 1	< 1	< 0.15	NA
	07/04/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10
	08/02/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/06/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/21/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/16/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA

Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-31	10/04/01	< 1	< 1	< 1	< 3	< 10	< 1	< 1	< 1	< 1	< 1	<0.15	NA
	02/26/02	< 1	< 1	< 1	< 2	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 5
	07/04/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10
	08/02/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/06/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
09/10/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA	
MW-32	10/04/01	897	< 1	44.3	< 3	< 10	< 1	< 1	< 1	< 1	8.27	2.101	NA
	02/26/02	805	< 5	59.6	< 10	< 25	< 5	< 5	< 5	< 5	31.5	28.5	< 5
	07/04/02	1,000	< 1	50	< 1	NA	< 1	< 1	< 1	< 1	24	< 10	< 10
	02/03/03	600	< 1.0	37	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	08/02/03	330	< 1.0	19	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/23/04	390	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	370	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
	04/01/05	28	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/06/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/27/06	38	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/21/06	37	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/14/07	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/08/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/08	1.2	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/30/10	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/23/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	04/19/11	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
01/02/12	1.8	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	
MW-33	10/04/01	< 1	< 1	< 1	< 3	< 10	< 1	< 1	< 1	< 1	< 1	<0.15	NA
	02/26/02	< 1	< 1	< 1	< 2	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 5
	07/04/02	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10
	08/02/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/06/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/21/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
09/10/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA	

Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-34	01/21/03	200	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
	02/04/03	250	< 1.0	< 1.0	1.8	NA	NA	NA	NA	NA	NA	NA	NA
	08/03/03	60	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/22/04	130	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	74	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	04/01/05	440	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/06/05	98	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/26/06	130	< 5.0	< 5.0	< 15	NA	NA	NA	NA	NA	NA	NA	NA
	09/21/06	44	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/14/07	62	< 1.0	< 1.0	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA
	09/26/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/08/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/30/10	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/23/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
04/19/11	20	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	
01/02/12	210	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	
MW-35	01/21/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	02/03/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	08/03/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/22/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	04/01/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/06/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/26/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/21/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/14/07	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA
	09/26/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/08/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/30/10	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/23/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
04/19/11	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	
01/02/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	

Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MW-36	11/11/03	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	NA
	03/22/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	04/02/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/06/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/26/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/21/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/14/07	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA
	09/26/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/07/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
MW-37	11/11/03	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	NA
	03/22/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	04/02/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/06/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/26/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/21/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/14/07	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA
	09/26/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/07/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
MW-38	11/11/03	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	NA
	03/22/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	04/02/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/06/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/26/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/21/06	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/14/07	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA
	09/26/07	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/07/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/08	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA

Table 4. Summary of Groundwater Analyses - Organics
Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)						SVOC's (ug/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Methyl ethyl ketone (2-butanone)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	Total Naphthalene ^(b)	4-Methylphenol (p-Cresol)
NMWQCC Standard:		10	750	750	620	none	25	10	5	60	none	30	none
MPE-1	08/02/03	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
MPE-2	08/02/03	270	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/22/04	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	250	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
	04/02/05	580	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/16/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/24/06	3.9	< 1.0	< 1.0	< 3.0	NA	NA	NA	NA	NA	NA	NA	NA
MPE-11	08/02/03	910	160	44	52	NA	NA	NA	NA	NA	NA	NA	NA
	03/22/04	280	30	31	< 20	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	96	4.7	9.7	2.6	NA	NA	NA	NA	NA	NA	NA	NA
	04/02/05	24	6.7	4.2	1.8	NA	NA	NA	NA	NA	NA	NA	NA
	10/16/05	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
	03/24/06	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
MPE-15	08/03/03	5.2	< 1.0	11	83	NA	NA	NA	NA	NA	NA	NA	NA
	03/22/04	12	9.8	6.9	29	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/04	15	7.9	7.9	39	NA	NA	NA	NA	NA	NA	NA	NA
	10/16/05	2.5	< 1.0	8.0	33	NA	NA	NA	NA	NA	NA	NA	NA
	03/24/06	< 1.0	< 1.0	2.2	8.6	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

Only constituents detected in one or more ground water samples are shown in this table

All results reported above the detection limit are shown in bold type

NA - A result for this constituent is not available

^(a) Analyte present in method blank

^(b) Total Naphthalene = Naphthalene + 1-Methylnaphthalene + 2-Methylnaphthalene

**Table 5. Summary of Groundwater Analyses - Inorganics
Compressor Station No. 9 - Roswell, NM**

Well	Sampling Date	Major Ions (mg/L)									Metals (mg/L)													
		TDS	Chloride	Sulfate	NO ₂ /NO ₃ - N, total	Calcium	Potassium	Magnesium	Sodium	Total alkalinity (as CaCO ₃)	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Silver	Zinc	Aluminum	
NMWQCC Standard:		1,000	250	600	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.20	0.002	0.05	0.05	10	5	
MW-3	03/23/94	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.03	0.02	< 0.01	< 0.01	NA	NA	< 0.03	NA	< 0.0002	< 0.05	< 0.01	NA	NA	
	08/22/95	3,650	405	1,800	0.8	587	3.2	136	215	116	< 0.05	< 0.01	< 0.005	< 0.01	< 0.01	NA	< 0.05	NA	0.0002	< 0.1	< 0.01	0.03	0.24	
	09/10/96	3,530	385	1,800	0.96	635	20	144	229	115	< 0.05	0.02	< 0.005	< 0.01	< 0.01	NA	< 0.003	NA	< 0.0002	< 0.01	< 0.01	< 0.01	NA	
	07/30/97	3,560	409	1,680	1.1	804	< 5	135	410	114	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	< 0.3	< 0.003	NA	< 0.0002	< 0.01	< 0.01	< 0.01	NA	
	11/03/97	3,450	370	1,840	1.1	790 ^(d)	3.0	180	290 ^(d)	110	< 0.03	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.01	< 0.0002	< 0.04	< 0.01	< 0.03	NA	
	01/27/98	2,790	398	1,700	1.1	643	3	138	212	102	< 0.1	0.014	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.005	< 0.0002	< 0.1	< 0.01	< 0.02	NA	
	05/26/98	2,700	430	2,100	1.2	NA	NA	NA	NA	108	< 0.005	0.008	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.005	< 0.0002	< 0.005	< 0.01	< 0.02	NA	
	08/13/98	3,600	443	95	1.1	594	3	121	205	111	0.007	0.010	< 0.005	< 0.01	< 0.01	0.07	< 0.005	< 0.005	< 0.0002	< 0.005	< 0.01	0.04	NA	
	12/24/98	3,390	390	1,900	1.1	563	3.4	121	220	111	< 0.004	0.0133	< 0.002	< 0.005	< 0.002	0.030	< 0.025	< 0.001	< 0.0002	< 0.010	< 0.003	< 0.01	NA	
	03/24/99	3,430	370	1,800	1.3	566	3.5	127	211	113	< 0.004	0.0120	< 0.002	< 0.005	< 0.002	0.042	< 0.025	< 0.001	< 0.0002	< 0.010	< 0.003	< 0.01	NA	
	03/27/00	3,460	410	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	03/27/01	4,130	448	1,610	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
07/03/02	3,200	340	1,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
MW-5	03/23/94	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.03	0.01	< 0.01	< 0.01	NA	NA	< 0.03	NA	< 0.0002	< 0.05	< 0.01	NA	NA	
	08/22/95	3,440	574	1,800	3.1	623	3.8	145	204	122	< 0.05	< 0.01	< 0.005	< 0.01	< 0.01	NA	< 0.05	NA	< 0.0002	< 0.1	< 0.01	0.01	0.38	
	09/10/96	3,550	578	1,690	2.97	631	19	158	218	114	< 0.05	0.01	< 0.005	< 0.01	< 0.01	NA	< 0.003	NA	< 0.0002	0.02	< 0.01	0.02	NA	
	07/25/97	3,960	622	1,720	3.7	916	< 5	159	270	120	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	0.26	< 0.003	NA	< 0.0002	0.02	< 0.01	< 0.01	NA	
	10/31/97	3,700	560	1,730	3.6	780 ^(d)	2.6	200	270 ^(d)	118	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.01	< 0.0002	< 0.04	< 0.01	< 0.03	NA	
	01/27/98	1,180	260	700	1.8	300	< 2	67.9	99.3	78	< 0.1	0.047	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.005	< 0.0002	< 0.1	< 0.01	< 0.02	NA	
	05/26/98	2,200	570	1,900	3.5	NA	NA	NA	NA	110	< 0.005	0.012	< 0.005	< 0.01	< 0.01	0.04	< 0.05	< 0.005	< 0.0002	< 0.005	< 0.01	< 0.02	NA	
	08/11/98	3,400	520	1,500	3.7	588	3	144	193	121	< 0.005	0.010	< 0.005	< 0.01	< 0.01	0.06	< 0.005	< 0.005	< 0.0002	0.016	< 0.01	< 0.02	NA	
	12/22/98	3,440	620	1,700	3.8	628	3	147	203	116	< 0.004	0.0148	< 0.002	< 0.005	< 0.002	0.026	< 0.025	< 0.005	< 0.0002	< 0.010	< 0.003	< 0.01	NA	
	03/23/99	3,490	590	1,600	3.9	607	3.2	150	217	116	< 0.004	0.0142	< 0.002	< 0.005	< 0.002	0.023	< 0.025	< 0.001	< 0.0002	0.013	< 0.003	< 0.01	NA	
	MW-6	08/22/95	2,800	344	1,600	1	458	3.9	148	124	110	< 0.05	< 0.01	< 0.005	< 0.01	< 0.01	NA	< 0.05	NA	0.0005	< 0.1	< 0.01	0.03	0.69
		09/10/96	3,040	333	1,490	0.98	488	19	154	182	99	< 0.05	0.01	< 0.005	< 0.01	< 0.01	NA	0.004	NA	< 0.0002	< 0.01	< 0.01	< 0.01	NA
07/25/97		3,420	344	1,650	1	778	5	217	236	112	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	0.32	< 0.003	NA	< 0.0002	< 0.01	< 0.01	0.01	NA	
10/31/97		3,090	300	1,620	1.2	550 ^(d)	3.1	170	170 ^(d)	106	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.01	< 0.0002	< 0.04	< 0.01	< 0.03	NA	
01/26/98		2,650	335	1,500	1.0	517	4	151	152	96	< 0.1	0.007	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.005	< 0.0002	< 0.1	< 0.01	< 0.02	NA	
05/26/98		2,600	340	1,900	1.1	NA	NA	NA	NA	102	< 0.005	< 0.005	< 0.005	< 0.01	< 0.01	0.04	< 0.05	< 0.005	< 0.0002	< 0.1	< 0.01	< 0.02	NA	
08/11/98		2,900	305	1,500	1.0	425	3	124	126	98	< 0.005	0.006	< 0.005	< 0.01	< 0.01	0.18	< 0.005	< 0.005	< 0.0002	< 0.005	< 0.01	0.02	NA	
12/22/98		2,890	300	1,600	1.0	488	3.3	142	144	109	< 0.004	0.0099	< 0.002	< 0.005	< 0.002	0.064	< 0.025	0.0097	< 0.0002	< 0.010	< 0.003	< 0.01	NA	
03/23/99		2,960	300	1,600	1.0	476	3.7	146	153	108	< 0.004	0.0106	< 0.002	< 0.005	< 0.002	0.073	< 0.025	< 0.001	< 0.0002	< 0.010	< 0.003	< 0.01	NA	

**Table 5. Summary of Groundwater Analyses - Inorganics
Compressor Station No. 9 - Roswell, NM**

Well	Sampling Date	Major Ions (mg/L)									Metals (mg/L)												
		TDS	Chloride	Sulfate	NO ₂ /NO ₃ - N, total	Calcium	Potassium	Magnesium	Sodium	Total alkalinity (as CaCO ₃)	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Silver	Zinc	Aluminum
NMWQCC Standard:		1,000	250	600	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.20	0.002	0.05	0.05	10	5
MW-7	08/23/95	^b 3,640	284	2,000	0.12	668	8.2	235	149	136	< 0.05	0.02	< 0.005	< 0.01	< 0.01	NA	< 0.05	NA	0.0004	< 0.1	< 0.01	0.02	1.39
	09/17/96	^b 3,760	273	2,140	0.07	648	20	198	145	110	< 0.05	0.02	< 0.005	< 0.01	< 0.01	NA	< 0.003	NA	< 0.0002	< 0.01	< 0.01	0.02	NA
	07/31/97	^b 3,700	313	1,930	< 0.05	191	< 20	84.3	95	112	< 0.05	< 0.05	< 0.02	< 0.05	< 0.05	0.3	< 0.02	NA	< 0.0002	< 0.05	< 0.05	< 0.05	NA
	11/03/97	^b 3,580	250	1,810	< 0.05	790 ^(d)	6.4	260	180 ^(d)	112	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	1.2	< 0.03	1.2	< 0.0002	< 0.04	< 0.01	< 0.03	NA
	01/29/98	^c 2,730	288	1,800	< 0.1	630	7	206	140	86	< 0.1	0.014	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	0.120	< 0.0002	< 0.1	< 0.01	0.03	NA
	05/28/98	^b 3,000	290	2,400	< 0.1	NA	NA	NA	NA	114	< 0.005	0.011	< 0.005	< 0.01	< 0.01	0.44	< 0.05	0.490	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	08/14/98	^b 3,800	301	2,300	< 0.1	572	8	180	130	108	< 0.005	0.012	< 0.005	< 0.01	< 0.01	0.30	< 0.005	0.428	< 0.0002	< 0.005	< 0.01	0.09	NA
	12/27/98	^b 3,440	260	2,000	0.01	556	6.65	0.176	141	120	< 0.004	0.0171	< 0.002	< 0.005	< 0.002	0.126	< 0.025	0.362	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/25/99	^b 3,470	250	2,000	0.02	232	5.28	158	110	116	< 0.004	0.0130	< 0.002	< 0.005	< 0.002	< 0.01	< 0.025	0.0285	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/28/00	^b 3,550	300	2,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.225	NA	0.0274	NA	NA	NA	NA	NA
	03/28/01	^b 4,180	304	1,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.115	NA	0.0209	NA	NA	NA	NA	NA
07/01/02	^b 3,600	250	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.18	NA	0.040	NA	NA	NA	NA	NA	
MW-8	08/22/95	^b 3,640	362	2,000	0.1	587	3.7	193	117	134	< 0.05	< 0.01	< 0.005	< 0.01	< 0.01	NA	< 0.05	NA	0.0003	< 0.1	< 0.01	0.01	0.33
	09/19/96	^b 3,780	331	2,120	0.06	630	21	222	206	141	< 0.05	0.01	< 0.005	< 0.01	< 0.01	NA	< 0.003	NA	< 0.0002	< 0.01	< 0.01	< 0.01	NA
	08/01/97	^b 3,890	339	1,980	0.16	86.5	< 20	51.5	80	140	< 0.05	< 0.05	< 0.02	< 0.05	< 0.05	< 0.2	< 0.02	NA	< 0.0002	< 0.05	< 0.05	< 0.05	NA
	11/02/97	^b 3,740	320	1,810	0.10	610 ^(d)	3.4	210	180 ^(d)	136	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.01	< 0.0002	< 0.04	< 0.01	< 0.03	NA
	01/29/98	^c 2,960	347	1,900	0.1	634	3	219	168	96	< 0.1	< 0.005	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.005	< 0.0002	< 0.1	< 0.01	< 0.02	NA
	05/27/98	^b 2,800	370	2,500	0.2	NA	NA	NA	NA	131	< 0.005	< 0.005	< 0.005	< 0.01	< 0.01	0.03	< 0.05	< 0.005	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	08/14/98	^b 3,800	355	2,100	< 0.1	604	4	188	135	204	< 0.005	0.006	< 0.005	< 0.01	< 0.01	0.11	< 0.005	0.009	< 0.0002	< 0.005	< 0.01	0.39	NA
	12/27/98	^b 3,650	350	2,100	0.21	554	3.7	191	184	137	< 0.004	0.0108	< 0.002	< 0.005	< 0.002	0.065	< 0.025	0.0028	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/25/99	^b 3,670	350	2,000	0.21	541	3.6	200	169	136	< 0.004	0.0103	< 0.002	< 0.005	< 0.002	< 0.01	< 0.025	< 0.001	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	MW-9	08/23/95	^b 4,060	391	2,200	0.38	896	17	232	230	124	< 0.05	0.04	< 0.005	< 0.01	0.01	NA	< 0.05	NA	0.0005	< 0.1	< 0.01	0.03
09/19/96		^b 3,810	439	1,990	0.56	673	24	210	287	114	< 0.05	0.05	< 0.005	0.01	< 0.01	NA	0.004	NA	< 0.0002	< 0.01	< 0.01	0.02	NA
07/31/97		^b 4,270	487	2,040	0.55	557	< 20	174	362	126	< 0.05	< 0.05	< 0.02	< 0.05	< 0.05	0.4	< 0.02	NA	< 0.0002	< 0.05	< 0.05	< 0.05	NA
11/02/97		^b 4,000	440	1,930	0.36	610 ^(d)	5.5	190	270 ^(d)	124	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	1.4	< 0.03	0.11	< 0.0002	< 0.04	< 0.01	< 0.03	NA
01/29/98		^c 3,730	459	1,800	0.6	639	5	193	248	80	< 0.1	0.008	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	0.030	< 0.0002	< 0.1	< 0.01	< 0.02	NA
05/28/98		^b 3,200	470	2,500	0.9	NA	NA	NA	NA	112	< 0.005	0.013	< 0.005	< 0.01	< 0.01	0.86	< 0.05	0.070	< 0.0002	< 0.005	< 0.01	< 0.02	NA
08/14/98		^b 4,200	479	2,000	1.1	554	6	174	240	105	0.007	0.015	< 0.005	< 0.01	< 0.01	0.91	< 0.005	0.046	< 0.0002	< 0.005	< 0.01	0.03	NA
08/14/98		^c NA	NA	NA	NA	619	5	206	261	NA	< 0.005	0.007	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	0.031	< 0.0002	< 0.005	< 0.01	< 0.02	NA
12/27/98		^c 3,800	470	2,100	0.93	532	4.51	163	226	121	< 0.004	0.0158	< 0.002	< 0.005	< 0.002	< 0.01	< 0.025	0.0088	< 0.0002	< 0.010	< 0.003	< 0.01	NA
03/24/99		^b 3,910	450	2,100	0.79	532	5.13	181	245	119	< 0.004	0.0164	< 0.002	< 0.005	< 0.002	0.502	< 0.025	0.0326	< 0.0002	< 0.010	< 0.003	< 0.01	NA

**Table 5. Summary of Groundwater Analyses - Inorganics
Compressor Station No. 9 - Roswell, NM**

Well	Sampling Date	Major Ions (mg/L)									Metals (mg/L)												
		TDS	Chloride	Sulfate	NO ₂ /NO ₃ - N, total	Calcium	Potassium	Magnesium	Sodium	Total alkalinity (as CaCO ₃)	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Silver	Zinc	Aluminum
NMWQCC Standard:		1,000	250	600	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.20	0.002	0.05	0.05	10	5
MW-10	09/19/96 ^b	3,390	367	3,360	0.75	634	6	153	179	133	< 0.05	< 0.01	< 0.005	< 0.01	< 0.01	NA	< 0.003	NA	< 0.0002	< 0.01	< 0.01	0.02	NA
	07/31/97 ^b	3,550	364	1,590	0.71	211	< 20	62.3	146	138	< 0.05	< 0.05	< 0.02	< 0.05	< 0.05	< 0.02	< 0.02	NA	< 0.0002	< 0.05	< 0.05	< 0.05	NA
	11/01/97 ^b	3,520	340	1,890	0.74	600 ^(d)	3.5	146	225 ^(d)	128	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.01	< 0.0002	< 0.04	< 0.01	< 0.03	NA
	01/27/98 ^c	2,910	350	1,700	0.7	607	4	138	197	120	< 0.1	0.005	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.005	< 0.0002	< 0.1	< 0.01	< 0.02	NA
	05/26/98 ^b	3,000	370	2,200	0.8	NA	NA	NA	NA	122	< 0.005	0.006	< 0.005	< 0.01	< 0.01	0.03	< 0.05	< 0.005	< 0.0002	< 0.005	< 0.01	0.20	NA
	08/13/98 ^b	3,300	372	1,900	0.7	563	5	130	201	121	0.007	0.007	< 0.005	< 0.01	< 0.01	< 0.02	< 0.005	< 0.005	< 0.0002	< 0.005	< 0.01	0.04	NA
	12/22/98 ^b	3,390	350	1,900	0.68	584	3.3	133	203	127	< 0.004	0.0107	< 0.002	< 0.005	< 0.002	0.034	< 0.025	< 0.005	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/23/99 ^b	3,390	340	1,800	0.68	569	3.8	134	211	127	< 0.004	0.0104	< 0.002	< 0.005	< 0.002	0.011	< 0.025	< 0.001	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/27/00	3,440	390	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/29/01	4,000	379	1,560	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/03/02	3,400	310	1,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-11	09/19/96 ^b	3,480	400	2,480	0.71	642	< 5	144	202	116	< 0.05	< 0.01	< 0.005	< 0.01	< 0.01	NA	0.004	NA	< 0.0002	< 0.01	< 0.01	0.04	NA
	07/30/97 ^b	3,550	405	1,680	0.7	748	8	132	545	106	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	0.07	< 0.003	NA	< 0.0002	< 0.01	< 0.01	0.01	NA
	11/01/97 ^b	3,530	370	1,900	0.67	630 ^(d)	2.6	140	360 ^(d)	96	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.01	< 0.0002	< 0.04	< 0.01	< 0.03	NA
	01/27/98 ^c	2,940	374	1,600	0.7	612	3	133	231	100	< 0.1	< 0.005	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.005	< 0.0002	< 0.1	< 0.01	< 0.02	NA
	05/26/98 ^b	3,000	400	2,100	0.7	NA	NA	NA	NA	103	< 0.005	< 0.005	< 0.005	< 0.01	< 0.01	0.17	< 0.05	< 0.005	< 0.0002	< 0.005	< 0.01	0.21	NA
	08/13/98 ^b	3,300	390	1,900	0.6	585	4	121	229	102	0.006	0.007	< 0.005	< 0.01	< 0.01	0.14	< 0.005	0.012	< 0.0002	< 0.005	< 0.01	0.06	NA
	12/22/98 ^b	3,780	300	1,500	1.1	468	3	98.3	183	110	< 0.004	0.0138	< 0.002	< 0.005	< 0.002	0.047	< 0.025	< 0.005	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/24/99 ^b	2,480	250	1,200	1.1	403	3.4	88.1	172	106	< 0.004	0.0160	< 0.002	< 0.005	< 0.002	0.137	< 0.025	0.0021	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/27/00	3,100	380	1,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/27/01	3,730	406	1,480	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/03/02	3,300	330	1,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-12	09/17/96 ^b	3,670	431	1,810	0.36	688	16	127	247	110	< 0.05	0.02	< 0.005	< 0.01	< 0.01	NA	< 0.003	NA	< 0.0002	< 0.01	< 0.01	0.01	NA
	08/06/97 ^b	3,670	435	1,640	0.41	605	< 5	123	236	106	< 0.01	0.01	< 0.005	< 0.01	< 0.01	0.52	< 0.003	NA	< 0.0002	< 0.01	< 0.01	< 0.01	NA
	11/04/97 ^b	3,340	390	1,630	0.40	880 ^(d)	2.6	180	330 ^(d)	102	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	0.31	< 0.0002	< 0.04	< 0.01	< 0.03	NA
	01/30/98 ^c	2,680	421	1,600	0.3	625	2	120	209	74	< 0.1	< 0.005	< 0.005	< 0.01	< 0.01	0.05	< 0.05	0.444	< 0.0002	< 0.1	< 0.01	< 0.02	NA
	05/28/98 ^b	3,100	440	2,100	0.3	NA	NA	NA	NA	99	< 0.005	< 0.005	< 0.005	< 0.01	< 0.01	0.12	< 0.05	0.688	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	08/15/98 ^b	3,200	408	2,000	0.4	616	3	118	194	111	0.005	0.005	< 0.005	< 0.01	< 0.01	0.13	< 0.005	0.678	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	12/28/98 ^b	3,210	420	1,700	0.28	551	3.0	108	231	107	< 0.004	0.0083	< 0.002	< 0.005	< 0.002	0.114	< 0.025	0.667	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/26/99 ^b	3,330	410	1,700	0.37	533	3.2	113	210	104	< 0.004	0.0084	< 0.002	< 0.005	< 0.002	0.103	< 0.025	0.759	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/29/00 ^b	3,460	460	1,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.158	NA	1.18	NA	NA	NA	NA	NA
	03/29/01 ^b	3,850	485	1,580	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.158	NA	1.38	NA	NA	NA	NA	NA
07/01/02 ^b	3,300	370	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.25	NA	1.8	NA	NA	NA	NA	NA	

**Table 5. Summary of Groundwater Analyses - Inorganics
Compressor Station No. 9 - Roswell, NM**

Well	Sampling Date	Major Ions (mg/L)									Metals (mg/L)												
		TDS	Chloride	Sulfate	NO ₂ /NO ₃ - N, total	Calcium	Potassium	Magnesium	Sodium	Total alkalinity (as CaCO ₃)	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Silver	Zinc	Aluminum
NMWQCC Standard:		1,000	250	600	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.20	0.002	0.05	0.05	10	5
MW-13	09/19/96	^b 2,810	438	2,910	0.13	496	5	123	136	136	< 0.05	< 0.01	< 0.005	< 0.01	< 0.01	NA	< 0.003	NA	< 0.0002	< 0.01	< 0.01	0.01	NA
	08/09/97	^b 3,640	518	1,460	0.06	484	18	144	212	142	0.02	0.02	< 0.005	< 0.01	< 0.01	0.81	< 0.003	NA	< 0.0002	< 0.01	< 0.01	0.02	NA
	11/04/97	^b 3,760	460	1,720	< 0.05	680 ^(d)	3.0	150	200 ^(d)	152	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	0.67	< 0.03	2.4	< 0.0002	< 0.04	< 0.01	< 0.03	NA
	01/30/98	^c 2,970	490	1,500	< 0.1	707	3	143	174	113	< 0.1	0.009	< 0.005	< 0.01	< 0.01	0.86	< 0.05	1.50	< 0.0002	< 0.1	< 0.01	< 0.02	NA
	05/28/98	^b 2,900	530	2,100	< 0.1	NA	NA	NA	NA	149	< 0.005	0.008	< 0.005	< 0.01	< 0.01	1.41	< 0.05	1.37	0.0033	< 0.005	< 0.01	< 0.02	NA
	08/15/98	^b 3,700	461	1,700	< 0.1	664	5	134	155	163	0.007	0.009	< 0.005	< 0.01	< 0.01	1.36	< 0.005	1.07	< 0.0002	< 0.005	< 0.01	0.06	NA
	12/27/98	^b 3,160	470	1,600	0.03	577	3.2	121	185	192	< 0.004	0.0150	< 0.002	< 0.005	< 0.002	1.56	< 0.025	1.95	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/26/99	^b 3,110	430	1,500	< 0.01	550	3.4	128	170	193	< 0.004	0.0140	< 0.002	< 0.005	< 0.002	1.46	< 0.025	1.84	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/29/00	^b 3,510	550	1,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.908	NA	1.75	NA	NA	NA	NA	NA
	03/29/01	^b 4,090	593	1,330	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.395	NA	2.14	NA	NA	NA	NA	NA
07/01/02	^b 3,400	390	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.21	NA	1.6	NA	NA	NA	NA	NA	
MW-14	09/24/96	^b 3,580	364	2,000	0.31	668	6	154	149	98	< 0.05	0.03	< 0.005	< 0.01	< 0.01	NA	< 0.003	NA	< 0.0002	< 0.01	< 0.01	< 0.01	NA
	08/01/97	^b 3,710	360	1,630	0.32	672	< 20	155	180	110	< 0.05	< 0.05	< 0.02	< 0.05	< 0.05	< 0.02	< 0.02	NA	< 0.0002	< 0.05	< 0.05	< 0.05	NA
	11/02/97	^b 3,500	360	1,600	0.13	780 ^(d)	4.1	190	220 ^(d)	112	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	0.06	< 0.0002	< 0.04	< 0.01	< 0.03	NA
	01/29/98	^c 2,890	368	1,700	0.2	664	5	157	169	82	< 0.1	0.012	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	0.013	< 0.0002	< 0.1	< 0.01	< 0.02	NA
	05/27/98	^b 2,700	380	2,200	0.3	NA	NA	NA	NA	112	< 0.005	0.009	< 0.005	< 0.01	< 0.01	0.05	< 0.05	0.007	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	08/11/98	^b 3,300	360	1,800	0.2	608	5	144	161	122	< 0.005	0.009	< 0.005	< 0.01	< 0.01	< 0.02	< 0.005	< 0.005	< 0.0002	< 0.005	< 0.01	0.03	NA
	12/23/98	^b 3,380	360	1,900	0.26	609	4.00	144	165	114	< 0.004	0.0125	< 0.002	< 0.005	< 0.002	< 0.01	< 0.025	< 0.005	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/25/99	^b 3,480	350	1,900	0.25	567	4.04	143	167	114	< 0.004	0.0126	< 0.002	< 0.005	< 0.002	0.011	< 0.025	< 0.001	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/28/00	3,450	380	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/28/01	4,050	391	1,610	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/03/02	3,300	320	1,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**Table 5. Summary of Groundwater Analyses - Inorganics
Compressor Station No. 9 - Roswell, NM**

Well		Sampling Date	Major Ions (mg/L)									Metals (mg/L)												
			TDS	Chloride	Sulfate	NO ₂ /NO ₃ - N, total	Calcium	Potassium	Magnesium	Sodium	Total alkalinity (as CaCO ₃)	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Silver	Zinc	Aluminum
NMWQCC Standard:			1,000	250	600	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.20	0.002	0.05	0.05	10	5
MW-15	09/25/96	^b	3,860	438	3,940	0.58	1,130	7	180	210	138	< 0.05	0.03	< 0.005	< 0.01	< 0.01	NA	< 0.003	NA	< 0.0002	< 0.01	< 0.01	0.08	NA
	08/08/97	^b	3,820	467	1,920	0.35	625	< 5	171	269	118	0.02	0.02	< 0.005	< 0.01	< 0.01	0.32	< 0.003	NA	< 0.0002	< 0.01	< 0.01	0.01	NA
	11/02/97	^b	3,820	450	1,900	0.43	750 ^(d)	3.8	210	330 ^(d)	114	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	0.01	< 0.0002	< 0.04	< 0.01	< 0.03	NA
	01/28/98	^c	2,970	453	1,800	0.4	638	4	174	259	82	< 0.1	0.010	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	0.015	< 0.0002	< 0.1	< 0.01	0.04	NA
	05/27/98	^b	2,900	500	2,300	0.5	NA	NA	NA	NA	110	< 0.005	0.009	< 0.005	< 0.01	< 0.01	0.04	< 0.05	0.006	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	08/13/98	^b	3,900	479	2,200	0.6	586	4	162	262	106	0.006	0.012	< 0.005	< 0.01	< 0.01	0.03	< 0.005	0.012	< 0.0002	< 0.005	< 0.01	0.20	NA
	12/24/98	^b	3,630	440	2,000	0.48	592	4.00	150	281	111	< 0.004	0.0133	< 0.002	< 0.005	< 0.002	0.013	< 0.025	0.0191	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/24/99	^b	3,720	440	1,900	0.50	578	4.57	162	262	111	< 0.004	0.0117	< 0.002	< 0.005	< 0.002	0.019	< 0.025	0.0130	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/28/00		3,720	480	2,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/28/01		4,290	509	1,690	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/03/02		3,700	400	1,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-17	09/24/96	^b	3,660	437	2,000	0.71	626	< 5	170	218	138	< 0.05	< 0.01	< 0.005	< 0.01	< 0.01	NA	< 0.003	NA	< 0.0002	< 0.01	< 0.01	0.01	NA
	07/31/97	^b	1,570	445	1,820	0.71	221	< 20	71.1	175	96	< 0.05	< 0.05	< 0.02	< 0.05	< 0.05	< 0.2	< 0.02	NA	< 0.0002	< 0.05	< 0.05	< 0.05	NA
	11/02/97	^b	3,770	430	2,000	0.74	770 ^(d)	2.5	210	330 ^(d)	90	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	0.03	< 0.0002	< 0.04	< 0.01	< 0.03	NA
	01/28/98	^c	2,880	444	1,700	0.6	629	3	168	249	64	< 0.1	< 0.005	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	0.018	< 0.0002	< 0.1	< 0.01	< 0.02	NA
	05/27/98	^b	3,000	470	1,500	0.6	NA	NA	NA	NA	89	< 0.005	< 0.005	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	0.011	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	08/13/98	^b	3,900	443	2,100	0.6	578	2	161	257	124	< 0.005	< 0.005	< 0.005	< 0.01	< 0.01	< 0.02	< 0.005	0.044	< 0.0002	< 0.005	< 0.01	0.09	NA
	12/24/98	^b	3,600	440	2,000	0.64	558	2.6	148	254	93	< 0.004	0.0079	< 0.002	< 0.005	< 0.002	< 0.01	< 0.025	0.0042	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/25/99	^b	3,590	440	1,900	0.66	535	3.0	152	240	91	< 0.004	0.0077	< 0.002	< 0.005	< 0.002	< 0.01	< 0.025	0.0259	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/28/00		3,690	470	2,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/27/01		4,340	507	1,760	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/03/02		3,600	390	1,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-18	08/09/97	^b	4,240	NA	NA	NA	471	57	164	291	NA	0.02	0.02	< 0.005	0.02	< 0.01	1.09	< 0.003	NA	< 0.002	< 0.01	< 0.01	0.03	NA
	11/01/97	^b	3,850	390	2,020	0.69	760 ^(d)	6.4	210	330 ^(d)	78	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.01	< 0.0002	< 0.04	< 0.01	< 0.03	NA
	01/28/98	^c	3,100	424	1,900	0.8	641	7	225	166	55	< 0.1	0.017	< 0.006	< 0.01	< 0.01	< 0.02	< 0.05	< 0.005	< 0.0002	< 0.1	< 0.01	< 0.02	NA
	05/27/98	^b	2,800	430	1,800	0.8	NA	NA	NA	NA	69	< 0.005	0.015	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.005	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	08/13/98	^b	3,900	479	2,000	0.7	586	7	209	169	82	0.008	0.015	< 0.005	< 0.01	< 0.01	< 0.02	< 0.005	0.007	< 0.0002	< 0.005	< 0.01	0.08	NA
	12/24/98	^b	3,610	400	2,100	0.72	559	5.51	192	174	80	< 0.004	0.0184	< 0.002	0.0052	< 0.002	0.030	< 0.025	< 0.001	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/24/99	^b	3,700	400	2,000	0.66	544	5.77	203	163	84	< 0.004	0.0177	< 0.002	0.0094	< 0.002	< 0.01	< 0.025	< 0.001	< 0.0002	< 0.010	< 0.003	< 0.01	NA

**Table 5. Summary of Groundwater Analyses - Inorganics
Compressor Station No. 9 - Roswell, NM**

Well	Sampling Date		Major Ions (mg/L)								Metals (mg/L)													
			TDS	Chloride	Sulfate	NO ₂ /NO ₃ - N, total	Calcium	Potassium	Magnesium	Sodium	Total alkalinity (as CaCO ₃)	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Silver	Zinc	Aluminum
NMWQCC Standard:			1,000	250	600	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.20	0.002	0.05	0.05	10	5
MW-19	09/27/96	^b	3,850	459	2,100	0.82	981	5	226	240	196	< 0.05	0.01	< 0.005	< 0.01	< 0.01	NA	0.004	NA	< 0.0002	< 0.01	< 0.01	0.04	NA
	08/08/97	^b	3,990	536	2,030	0.88	622	11	170	252	122	0.01	0.01	< 0.005	< 0.01	< 0.01	0.08	< 0.003	NA	< 0.0002	< 0.01	< 0.01	< 0.01	NA
	11/01/97	^b	3,920	430	1,880	0.82	710 ^(d)	3.4	210	320 ^(d)	100	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.01	< 0.0002	< 0.04	< 0.01	0.02	NA
	01/27/98	^c	3,330	469	1,900	0.9	620	5	196	285	97	< 0.1	0.009	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.005	< 0.0002	< 0.1	< 0.01	< 0.02	NA
	05/27/98	^b	3,400	480	1,600	1.0	NA	NA	NA	NA	96	< 0.005	< 0.005	< 0.005	< 0.01	< 0.01	0.14	< 0.05	< 0.005	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	08/13/98	^b	4,000	443	2,000	0.8	589	4	161	252	113	0.007	0.009	< 0.005	< 0.01	0.01	0.05	< 0.005	< 0.005	< 0.0002	< 0.005	< 0.01	0.08	NA
	12/23/98	^b	3,740	460	2,100	0.84	582	3.3	169	261	104	< 0.004	0.0122	< 0.002	< 0.005	< 0.002	0.030	< 0.025	< 0.005	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/24/99	^b	3,810	450	2,000	0.84	540	3.7	169	268	105	< 0.004	0.0122	< 0.002	< 0.005	< 0.002	0.036	< 0.025	< 0.001	< 0.0002	< 0.010	< 0.003	< 0.01	NA
MW-20	08/07/97	^b	3,710	385	1,820	1.65	617	< 5	135	239	200	< 0.01	0.04	< 0.005	< 0.01	0.02	1.85	< 0.003	NA	< 0.0002	< 0.01	< 0.01	0.05	NA
	11/03/97	^b	3,710	290	1,950	0.23	670 ^(d)	2.6	140	270 ^(d)	208	< 0.03	< 0.01	< 0.01	< 0.01	0.02	0.39	< 0.03	< 0.01	< 0.0002	< 0.04	< 0.01	0.22	NA
	01/30/98	^c	3,090	306	1,700	2.8	680	3	137	238	155	< 0.1	< 0.005	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.005	< 0.0002	< 0.1	< 0.01	< 0.02	NA
	05/29/98	^b	3,000	310	2,400	3.0	NA	NA	NA	NA	208	< 0.005	< 0.005	< 0.005	< 0.01	< 0.01	0.03	< 0.05	< 0.005	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	08/15/98	^b	3,700	301	2,200	2.2	673	4	130	214	242	0.007	0.006	< 0.005	< 0.01	< 0.01	0.26	< 0.005	< 0.005	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	12/28/98	^b	3,620	310	2,100	2.5	597	3.4	123	257	209	< 0.004	0.0107	< 0.002	< 0.005	< 0.002	0.238	< 0.025	0.0012	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/26/99	^b	3,670	290	2,000	2.5	582	3.7	125	236	213	< 0.004	0.0090	< 0.002	< 0.005	< 0.002	0.044	< 0.025	< 0.001	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/29/00	^b	3,780	310	2,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.01	NA	< 0.001	NA	NA	NA	NA	NA
	03/29/01	^b	4,250	300	1,880	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.05	NA	< 0.01	NA	NA	NA	NA	NA
	07/01/02	^b	3,600	220	1,600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.043	NA	< 0.0020	NA	NA	NA	NA	NA
MW-21	08/07/97	^b	3,960	436	1,790	0.71	621	< 5	137	192	120	< 0.01	0.06	< 0.005	< 0.01	< 0.01	0.54	< 0.003	NA	< 0.0002	< 0.1	< 0.01	0.03	NA
	11/04/97	^b	3,700	410	1,760	0.36	810 ^(d)	4.0	190	260 ^(d)	118	< 0.03	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	0.40	< 0.0002	< 0.04	< 0.01	< 0.03	NA
	01/30/98	^c	3,020	440	1,700	< 0.1	654	4	153	199	88	< 0.1	0.029	< 0.005	< 0.01	< 0.01	0.21	< 0.05	0.835	< 0.0002	< 0.1	< 0.01	< 0.02	NA
	05/28/98	^b	3,000	450	2,100	< 0.1	NA	NA	NA	NA	124	< 0.005	0.026	< 0.005	< 0.01	< 0.01	0.63	< 0.05	1.51	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	08/15/98	^b	3,400	408	1,900	< 0.1	647	3	144	196	146	0.006	0.020	< 0.005	< 0.01	< 0.01	0.66	< 0.005	1.34	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	12/28/98	^b	3,390	430	1,800	0.03	566	3.3	134	209	138	< 0.004	0.0245	< 0.002	< 0.005	0.0024	0.704	< 0.025	1.47	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/26/99	^b	3,360	410	1,800	< 0.01	548	3.4	138	192	139	< 0.004	0.0225	< 0.002	< 0.005	< 0.002	0.933	< 0.025	1.32	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/29/00	^b	3,440	470	1,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.98	NA	1.52	NA	NA	NA	NA	NA
	03/29/01	^b	4,090	475	1,570	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.17	NA	1.62	NA	NA	NA	NA	NA
	07/01/02	^b	3,400	390	1,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5	NA	1.8	NA	NA	NA	NA	NA

**Table 5. Summary of Groundwater Analyses - Inorganics
Compressor Station No. 9 - Roswell, NM**

Well	Sampling Date	Major Ions (mg/L)									Metals (mg/L)												
		TDS	Chloride	Sulfate	NO ₂ /NO ₃ - N, total	Calcium	Potassium	Magnesium	Sodium	Total alkalinity (as CaCO ₃)	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Silver	Zinc	Aluminum
NMWQCC Standard:		1,000	250	600	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.20	0.002	0.05	0.05	10	5
MW-22	08/07/97	^b 3,630	377	1,780	0.76	727	6	143	233	302	< 0.01	0.21	< 0.005	< 0.01	0.05	16.5	0.008	NA	< 0.0002	< 0.01	< 0.01	0.08	NA
	11/03/97	^b 3,570	380	1,840	0.85	780 ^(d)	3.6	160	290 ^(d)	132	< 0.03	0.04	< 0.01	< 0.01	< 0.01	3.3	< 0.03	0.07	< 0.0002	< 0.04	< 0.01	< 0.03	NA
	01/29/98	^c 2,690	394	1,700	0.9	660	4	130	218	85	< 0.1	0.007	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.005	< 0.0002	< 0.1	< 0.01	< 0.02	NA
	05/28/98	^b 2,700	410	2,200	0.9	NA	NA	NA	NA	107	< 0.005	0.009	< 0.005	< 0.01	< 0.01	0.96	< 0.05	0.015	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	08/14/98	^b NA	NA	NA	NA	573	3	109	206	NA	0.006	0.036	< 0.005	< 0.01	< 0.01	0.41	< 0.005	0.025	0.0008	< 0.005	< 0.01	0.09	NA
	08/14/98	^c 3,600	355	1,800	0.6	642	2	129	236	125	< 0.1	< 0.005	< 0.005	< 0.01	< 0.01	0.08	< 0.05	< 0.005	< 0.0002	< 0.1	< 0.01	< 0.02	NA
	12/27/98	^b 3,390	390	1,900	0.85	577	2.9	111	234	114	< 0.004	0.0118	< 0.002	< 0.005	< 0.002	0.305	< 0.025	0.0068	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/25/99	^b 3,380	380	1,800	0.82	556	3.2	120	220	113	< 0.004	0.0087	< 0.002	< 0.005	< 0.002	0.043	< 0.025	< 0.001	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/28/00	^b 3,500	420	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.028	NA	< 0.001	NA	NA	NA	NA	NA
	03/29/01	^b 3,880	433	1,670	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.146	NA	< 0.01	NA	NA	NA	NA	NA
07/01/02	^b 3,500	330	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	NA	0.023	NA	NA	NA	NA	NA	
MW-23D	08/06/97	^b 3,800	344	1,980	< 0.05	624	8	178	231	124	< 0.01	0.02	< 0.005	0.02	< 0.01	0.11	< 0.003	NA	< 0.0002	< 0.01	< 0.01	0.02	NA
	11/05/97	^b 3,880	330	1,900	< 0.05	600 ^(d)	3.5	215	300 ^(d)	128	< 0.03	0.02	< 0.01	< 0.01	< 0.01	0.38	< 0.03	0.11	< 0.0002	< 0.04	< 0.01	0.07	NA
	01/28/98	^c 3,180	354	1,800	< 0.1	612	7	183	246	88	< 0.1	0.020	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	0.141	< 0.0002	< 0.1	< 0.01	< 0.02	NA
	05/27/98	^c 3,000	350	1,800	< 0.1	NA	NA	NA	NA	90	0.005	0.013	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	0.094	< 0.0002	< 0.1	< 0.01	< 0.02	NA
	08/11/98	^b 3,800	337	2,200	< 0.1	584	6	165	240	128	0.009	0.011	< 0.005	< 0.01	0.02	0.23	< 0.005	0.068	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	12/23/98	^b 3,650	330	2,100	0.03	581	3.6	177	240	127	< 0.004	0.0144	< 0.002	< 0.005	< 0.002	0.216	< 0.025	0.0783	< 0.0002	< 0.010	< 0.003	0.030	NA
	04/05/99	^b 3,700	300	2,000	0.04	551	3.8	162	208	128	0.0049	0.0162	< 0.002	< 0.005	< 0.002	0.29	< 0.025	0.0641	< 0.0002	< 0.020	< 0.003	< 0.01	NA
MW-24D	10/29/98	^c 3,300	350	1,880	< 0.1	NA	NA	NA	NA	157	0.009	0.015	< 0.005	< 0.01	NA	NA	< 0.005	NA	< 0.0002	< 0.005	< 0.01	NA	NA
	10/29/98	^b NA	NA	NA	NA	622	5	99.5	208	NA	< 0.005	0.026	< 0.005	< 0.01	0.01	1.43	< 0.005	0.220	< 0.0002	< 0.005	< 0.01	0.05	NA
	12/23/98	^c 3,220	330	1,800	0.02	508	2.5	82.1	179	279	< 0.004	0.0172	< 0.002	< 0.005	0.0065	< 0.01	< 0.025	0.176	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/30/99	^b 3,360	330	1,800	< 0.01	630	3.3	110	213	155	< 0.002	0.0183	< 0.002	< 0.005	< 0.002	0.698	< 0.025	0.261	< 0.0002	< 0.010	< 0.003	< 0.01	NA
MW-25D	10/29/98	^c 3,000	340	2,470	< 0.1	NA	NA	NA	NA	121	0.006	0.007	< 0.005	< 0.01	NA	NA	< 0.005	NA	< 0.0002	< 0.005	< 0.01	NA	NA
	10/29/98	^b NA	NA	NA	NA	596	4	162	161	NA	< 0.005	0.011	< 0.005	< 0.01	< 0.01	0.58	< 0.005	0.109	< 0.0002	< 0.005	< 0.01	0.03	NA
	12/23/98	^b 3,450	320	2,000	0.01	584	4.00	168	160	122	< 0.004	0.0133	< 0.002	< 0.005	< 0.002	0.327	< 0.025	0.108	< 0.0002	< 0.010	< 0.003	0.011	NA
	03/30/99	^b 3,510	310	2,000	< 0.01	589	4.38	167	158	121	< 0.002	0.0131	< 0.002	< 0.005	< 0.002	0.510	< 0.025	0.104	< 0.0002	< 0.010	< 0.003	< 0.010	NA

**Table 5. Summary of Groundwater Analyses - Inorganics
Compressor Station No. 9 - Roswell, NM**

Well	Sampling Date	Major Ions (mg/L)									Metals (mg/L)													
		TDS	Chloride	Sulfate	NO ₂ /NO ₃ - N, total	Calcium	Potassium	Magnesium	Sodium	Total alkalinity (as CaCO ₃)	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Silver	Zinc	Aluminum	
NMWQCC Standard:		1,000	250	600	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.20	0.002	0.05	0.05	10	5	
MW-26	10/29/98	^c	3,500	320	2,080	5.1	NA	NA	NA	NA	134	< 0.005	0.009	< 0.005	< 0.01	NA	NA	< 0.005	NA	< 0.0002	0.007	< 0.01	NA	NA
	10/29/98	^b	NA	NA	NA	NA	650	5	132	215	NA	< 0.005	0.016	< 0.005	< 0.01	< 0.01	0.82	< 0.005	0.082	< 0.0002	< 0.005	< 0.01	< 0.02	NA
	12/27/98	^b	3,780	300	2,200	4.4	607	4.06	128	237	159	< 0.004	0.0213	< 0.002	< 0.005	< 0.002	1.13	< 0.025	0.0347	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	03/25/99	^b	3,770	290	2,100	4.6	578	4.22	135	213	130	< 0.004	0.0137	< 0.002	< 0.005	< 0.002	0.394	< 0.025	0.0165	< 0.0002	< 0.010	< 0.003	< 0.01	NA
	07/25/99	^b	3,800	280	2,100	4.7	642	4.73	134	221	150	< 0.010	0.0322	< 0.002	< 0.005	< 0.002	2.55	< 0.025	0.0464	< 0.0002	< 0.010	< 0.003	0.013	NA
	03/28/00	^b	3,810	330	2,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.558	NA	0.0104	NA	NA	NA	NA	NA
	03/28/01	^b	4,180	344	1,840	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.342	NA	< 0.01	NA	NA	NA	NA	NA
	07/01/02	^b	3,800	270	1,600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	NA	0.020	NA	NA	NA	NA	NA
MW-28	11/18/00	^b	2,500	383	2,030	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.7	NA	1.40	NA	NA	NA	NA	NA
	03/28/01	^b	4,030	386	1,560	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.06	NA	0.0469	NA	NA	NA	NA	NA
	07/03/02	^b	3,400	310	1,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.7	NA	0.080	NA	NA	NA	NA	NA
MW-29	11/19/00	^b	1,810	405	735	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	129	NA	3.63	NA	NA	NA	NA	NA
	03/28/01	^b	2,300	480	589	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.275	NA	0.262	NA	NA	NA	NA	NA
	07/03/02	^b	1,600	350	480	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.3	NA	0.72	NA	NA	NA	NA	NA
MW-30	11/18/00	^b	3,260	385	1,970	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.7	NA	1.38	NA	NA	NA	NA	NA
	03/28/01	^b	3,920	401	1,610	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.05	NA	0.0378	NA	NA	NA	NA	NA
	07/03/02	^b	3,400	320	1,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.21	NA	0.0091	NA	NA	NA	NA	NA
MW-31	10/04/01	^b	3,930	478	1,550	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.05	NA	0.0217	NA	NA	NA	NA	NA
MW-32	10/04/01	^b	3,490	510	1,180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.05	NA	0.173	NA	NA	NA	NA	NA
MW-33	10/04/01	^b	3,890	483	1,610	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.05	NA	0.0259	NA	NA	NA	NA	NA

**Table 5. Summary of Groundwater Analyses - Inorganics
Compressor Station No. 9 - Roswell, NM**

Well	Sampling Date	Major Ions (mg/L)									Metals (mg/L)												
		TDS	Chloride	Sulfate	NO ₂ /NO ₃ - N, total	Calcium	Potassium	Magnesium	Sodium	Total alkalinity (as CaCO ₃)	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Silver	Zinc	Aluminum
		1,000	250	600	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.20	0.002	0.05	0.05	10	5
NMWQCC Standard:																							
MW-36	11/11/03	3,200	380	2,000	0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.02	NA	0.1100	NA	NA	NA	NA	NA	NA
MW-37	11/11/03	3,200	420	1,800	0.53	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.02	NA	1.40	NA	NA	NA	NA	NA	NA
MW-38	11/11/03	3,500	480	2,000	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.02	NA	0.0130	NA	NA	NA	NA	NA	NA

NOTES:

All results reported above the NMWQCC Standards are shown in bold type.

^(a) NA - A result for this constituent is not available

^(b) Results represent total metals analysis

^(c) Results represent dissolved metals analysis on samples filtered in the lab

^(d) Analyte present in method blank

**Table 6. Summary of Completion Details for Soil Borings Completed as Wells
Compressor Station No. 9 - Roswell, NM**

Well	Source ^a	Date of Completion	Measuring Point Elevation (ft) ^b	Northing (ft)	Easting (ft)	Total Depth of Boring (ft bgs)	Measured Depth of Well (ft from TOC)	Surface Completion Type	Casing Diameter (in.)	Screen Interval (ft bgs)	Top of Sand Pack (ft bgs)
MW-1	SH&B/Halliburton NUS	07/21/92	na	2,001.40	217.60	68	na	Flush Mount	4	28-68	25.2
MW-1B	Layne/Halliburton NUS	04/21/93	3,609.96	1,854.00	265.50	65.5	64.65	Flush Mount	2	55-65	53
MW-2	Layne/Halliburton NUS	04/21/93	3,611.76	2,034.30	102.40	65	61.61	Flush Mount	2	55-65	53
MW-3	Layne/Halliburton NUS	04/26/93	3,614.87	1,629.77	265.23	72.5	na	Flush Mount	2	60-70	58
MW-5	Layne/Halliburton NUS	04/28/93	3,612.77	2,049.70	-150.96	70	69.35	Flush Mount	2	60-70	58
RW-1	NA/Halliburton NUS	06/13/93	na	na	na	42.5	49.65	Flush Mount	na	na	na
MW-6	Pool/DBS	12/01/94	3,618.62	1,607.40	-266.20	79	na	Flush Mount	2	59.9-74.9	57.1
MW-7	Harrison/DBS	08/22/95	3,599.20	2,118.00	328.40	70.5	na	Flush Mount	2	50-70	48.1
MW-8	Harrison/DBS	08/16/95	3,595.80	2,178.00	414.70	76.8	73.80	Flush Mount	2	59-74	57.2
MW-9	Harrison/DBS	08/18/95	3,599.35	2,071.40	512.90	70	69.75	Flush Mount	2	50-70	47.9
MW-10	Layne/DBS	09/10/96	3,617.85	1,804.76	0.14	74.5	72.15	Flush Mount	2	57-72	55.3
MW-11	Layne/DBS	09/16/96	3,613.31	2,046.04	-27.10	72	68.30	Flush Mount	2	54-69	51.5
MW-12	Layne/DBS	09/11/96	3,606.38	2,149.13	152.94	64	na	Flush Mount	2	44-64	42
MW-13	Layne/DBS	09/13/96	3,612.46	1,749.33	265.05	72	na	Flush Mount	2	57-72	55
MW-14	Layne/DBS	09/10/96	3,604.83	1,918.87	365.40	64.5	na	Flush Mount	2	49.5-64.5	48
MW-15	Layne/DBS	09/20/96	3,610.43	1,803.83	516.97	68.5	na	Flush Mount	2	38.5-68.5	37
MW-16	Layne/DBS	09/19/96	3,612.41	1,718.88	387.35	71.4	71.46	Flush Mount	2	46.4-71.4	45.5
MW-17	Layne/DBS	09/21/96	3,608.43	1,598.72	516.35	70	na	Flush Mount	2	53-68	50.9
MW-18	Layne/DBS	09/25/96	3,609.73	1,701.47	613.38	71	na	Flush Mount	2	54-69	51.6
MW-19	Layne/DBS	09/26/96	3,608.17	1,806.45	717.41	69.5	na	Flush Mount	2	54.5-69.5	51
MW-20	Layne/DBS	08/04/97	3,600.65	2,283.22	148.03	64	na	Flush Mount	2	46.8-61.8	43.9
MW-21	Layne/DBS	08/06/97	3,611.99	1,511.01	408.66	75	na	Flush Mount	2	54-74	51.7
MW-22	Layne/DBS	08/04/97	3,606.04	2,187.66	26.69	68	na	Flush Mount	2	50-65	49
MW-26	GPI/CES	09/01/98	3,597.75	2,416.94	142.26	65	na	Flush Mount	2	43-63	41
MW-27	GPI/CES	09/02/98	3,615.11	1,332.63	433.96	75	na	Flush Mount	2	55-75	53
MW-28	GPI/CES	11/14/00	3,615.90	1,228.94	390.72	75	74.81	Flush Mount	2	60-75	58
MW-29	GPI/CES	11/18/00	3,613.54	1,237.26	542.28	75	74.45	Flush Mount	2	60-75	58
MW-30	GPI/CES	11/16/00	3,612.63	1,133.59	440.96	75	74.70	Flush Mount	2	60-75	58
MW-31	GPI/CES	09/21/01	3,611.59	1,341.87	649.76	75	74.55	Flush Mount	2	60-75	58
MW-32	GPI/CES	09/23/01	3,608.73	1,088.91	563.93	75	74.20	Flush Mount	2	60-75	58
MW-33	GPI/CES	09/22/01	3,610.55	1,180.19	683.32	75	74.60	Flush Mount	2	60-75	58
MW-34	Atkins/CES	01/06/03	3605.05 (c)	933.24	536.25	79	75.75	Flush Mount	2	49-79	46
MW-35	Atkins/CES	01/07/03	3601.87 (c)	947.76	635.18	79	76.71	Flush Mount	2	49-79	46

**Table 6. Summary of Completion Details for Soil Borings Completed as Wells
Compressor Station No. 9 - Roswell, NM**

Well	Source ^a	Date of Completion	Measuring Point Elevation (ft) ^b	Northing (ft)	Easting (ft)	Total Depth of Boring (ft bgs)	Measured Depth of Well (ft from TOC)	Surface Completion Type	Casing Diameter (in.)	Screen Interval (ft bgs)	Top of Sand Pack (ft bgs)
MW-36	Atkins/CES	09/29/03	3601.97 (d)	813.34	447.57	75	74.35	Flush Mount	2	55-75	53
MW-37	Atkins/CES	09/29/03	3599.86 (d)	785.35	517.40	70	69.61	Flush Mount	2	50-70	48
MW-38	Atkins/CES	09/30/03	3598.11 (d)	792.32	590.85	68	67.76	Flush Mount	2	48-68	46
MW-23D	GPI/CES	07/29/97	3,605.00	1,914.95	393.65	194	na	Flush Mount	4	167-187	164
MW-24D	GPI/CES	09/10/98	3,595.95	2,139.77	807.92	180	na	Flush Mount	4	146-176	143
MW-25D	GPI/CES	09/09/98	3,592.99	2,422.12	314.82	150	na	Flush Mount	4	119-149	117
SVE-1A	Layne/DBS	09/21/96	3,616.50	1,793.70	114.40	30	29.65	Flush Mount	2	20-30	19
SVE-2A	Layne/DBS	09/20/96	3,615.70	1,735.90	178.90	30	29.83	Flush Mount	2	20-30	17.5
SVE-3	Layne/DBS	09/16/96	3,614.51	1,881.00	176.60	62.3	61.90	Flush Mount	2	32.0-62.3	29.5
SVE-22	Atkins/CES	11/07/02	na	1746.89	226.73	35	33.20	Flush Mount	2	25-35	23
SVE-23	Atkins/CES	11/07/02	na	1832.49	254.54	39	36.70	Flush Mount	2	25-35	22
SVE-24	Atkins/CES	11/13/02	na	1918.08	282.35	30	28.85	Flush Mount	2	20-30	18
SVE-25	Atkins/CES	11/04/02	na	1813.77	166.51	34	53.30	Flush Mount	2	24-34	21.6
SVE-26	Atkins/CES	11/05/02	na	1884.06	191.23	35	32.45	Flush Mount	2	24-34	22
SVE-27	Atkins/CES	11/01/02	na	1965.96	206.14	35	33.90	Flush Mount	2	20-35	18
SVE-28	Atkins/CES	10/29/02	na	2052.33	231.44	35	36.00	Flush Mount	2	25-35	23
SVE-30	Atkins/CES	10/25/02	na	1946.05	114.40	45	44.00	Flush Mount	2	20-45	18
SVE-31	Atkins/CES	10/28/02	na	2031.05	143.99	35	33.95	Flush Mount	2	25-35	23
MPE-1	Atkins/CES	12/06/02	na	1099.58	600.30	79	75.60	Flush Mount	4	54-74	49
MPE-2	Atkins/CES	12/24/02	na	1039.89	532.94	79	71.75	Flush Mount	4	54-79	51
MPE-3	Atkins/CES	12/21/02	na	1128.06	514.93	79	75.95	Flush Mount	4	54-79	51
MPE-4	Atkins/CES	12/19/12	na	1187.75	582.28	79	78.30	Flush Mount	4	54-79	51
MPE-5	Atkins/CES	12/16/02	na	1277.20	572.35	79	77.70	Flush Mount	4	59-79	56
MPE-6	Atkins/CES	12/17/02	na	1216.24	496.91	79	75.00	Flush Mount	4	54-79	51
MPE-7	Atkins/CES	12/13/02	na	1305.69	486.98	79	78.41	Flush Mount	4	54-74	51
MPE-8	Atkins/CES	12/14/02	na	1405.38	500.61	79	77.55	Flush Mount	4	59-79	50
MPE-9	Atkins/CES	12/18/02	na	1334.63	413.06	79	73.60	Flush Mount	4	54-74	51
MPE-10	Atkins/CES	12/09/02	na	1432.19	416.74	79	75.30	Flush Mount	4	54-74	50
MPE-11	Atkins/CES	12/07/02	na	1492.97	479.94	79	79.05	Flush Mount	4	54-74	50
MPE-12	Atkins/CES	12/06/02	na	1522.61	383.57	79	75.40	Flush Mount	4	54-74	51
MPE-13	Atkins/CES	12/03/02	na	1570.20	436.35	79	77.60	Flush Mount	4	54-74	50.7
MPE-14	Atkins/CES	11/25/02	na	1631.84	435.21	79	76.80	Flush Mount	4	54-74	51
MPE-15	Atkins/CES	11/22/02	na	1714.06	455.52	79	79.25	Flush Mount	4	59-74	54

**Table 6. Summary of Completion Details for Soil Borings Completed as Wells
Compressor Station No. 9 - Roswell, NM**

Well	Source ^a	Date of Completion	Measuring Point Elevation (ft) ^b	Northing (ft)	Easting (ft)	Total Depth of Boring (ft bgs)	Measured Depth of Well (ft from TOC)	Surface Completion Type	Casing Diameter (in.)	Screen Interval (ft bgs)	Top of Sand Pack (ft bgs)
MPE-16	Atkins/CES	11/27/02	na	1613.13	347.18	79	78.20	Flush Mount	4	54-74	49
MPE-17	Atkins/CES	11/20/02	na	1698.72	374.99	75	76.10	Flush Mount	4	55-70	49
MPE-18	Atkins/CES	11/21/02	na	1784.32	402.80	79	78.68	Flush Mount	4	58-73	55
MPE-19	Atkins/CES	11/26/02	na	1680.01	286.96	79	74.12	Flush Mount	4	49-74	46
MPE-20	Atkins/CES	11/20/02	na	1765.60	314.77	78	77.60	Flush Mount	4	48-73	42
MPE-21	Atkins/CES	11/19/02	na	1852.27	337.91	69	68.90	Flush Mount	4	44-64	41.9
MPE-22	Atkins/CES	11/07/02	na	1746.89	226.73	80	77.52	Flush Mount	4	55-80	52
MPE-23	Atkins/CES	11/06/02	na	1832.49	254.54	80	78.41	Flush Mount	4	55-80	52
MPE-24	Atkins/CES	11/13/02	na	1918.08	282.35	74	73.77	Flush Mount	4	49-74	46
MPE-25	Atkins/CES	11/04/02	na	1813.77	166.51	80	77.45	Flush Mount	4	54-79	51
MPE-26	Atkins/CES	11/06/02	na	1884.06	191.23	84	77.35	Flush Mount	4	54-84	49
MPE-27	Atkins/CES	10/31/02	na	1965.96	206.14	79	79.40	Flush Mount	4	54-79	48
MPE-28	Atkins/CES	10/31/02	na	2052.33	231.44	82	77.67	Flush Mount	4	46-76	43
MPE-29	Atkins/CES	11/02/02	na	1859.68	89.10	79	78.35	Flush Mount	4	54-79	51
MPE-30	Atkins/CES	10/25/02	na	1946.05	114.40	80	77.96	Flush Mount	4	59-79	56
MPE-31	Atkins/CES	10/28/02	na	2031.05	143.99	80	78.80	Flush Mount	4	59-79	58
MPE-32	Atkins/CES	11/19/02	na	2117.42	169.29	79	78.30	Flush Mount	4	44-74	39.2
MPE-33	Atkins/CES	11/18/02	na	2202.42	198.88	79	78.00	Flush Mount	4	44-79	41.6
MPE-34	Atkins/CES	10/24/02	na	2014.18	55.59	80	77.52	Flush Mount	4	59-79	56
MPE-35	Atkins/CES	11/15/02	na	2099.18	85.18	79	79.21	Flush Mount	4	54-74	51
MPE-36	Atkins/CES	11/14/02	na	2185.55	110.48	74	71.31	Flush Mount	4	44-74	41
MPE-37	Atkins/CES	11/15/02	na	2270.54	140.07	74	73.60	Flush Mount	4	44-74	41

NOTES:

(a) Driller/Consultant

(b) Survey by Wagener Engineering dated 5/6/98, 9/17/98, 11/29/00 and 10/03/01

(c) Survey by Cypress Engineering dated 3/14/03

(d) Survey by Cypress Engineering dated 6/23/07

**Table 7. Monitor Well Sampling Locations, Frequency, and Sample Analysis Plan
Compressor Station No. 9 - Roswell, NM**

Well ID	Analytical Requirements		Date of Most Recent Sample	Benzene (ppb) Most Recent Sample	Consecutive Events < NMWQCC Standard	Comments
	1st Semiannual Event	2nd Semiannual Event				
MW-1	---	---	na	na	na	well pugged and abandoned
MW-1B	---	---	na	na	na	PSH in well
MW-2	---	---	na	na	na	Insufficient water to sample
MW-3	---	---	09/16/08	<1	20	clean perimeter well
MW-5	---	---	03/23/99	<1	10	clean upgradient well
MW-6	---	---	03/23/99	<1	10	clean upgradient well
MW-7	---	---	09/11/08	<1	21	clean perimeter well
MW-8	---	---	03/25/99	<1	9	clean perimeter well
MW-9	---	---	03/24/99	<1	9	clean perimeter well
MW-10	---	---	09/16/08	<1	18	clean perimeter well
MW-11	---	---	09/11/08	<1	18	clean perimeter well
MW-12	---	---	na	na	na	PSH in well
MW-13	---	BTEX	01/02/12	<1	15	Previously contained elevated benzene
MW-14	---	BTEX	01/02/12	<1	4	Previously contained elevated benzene
MW-15	---	---	09/11/08	<1	18	clean perimeter well
MW-16	BTEX	BTEX	na	na	na	Previously contained PSH in well
MW-17	---	---	09/11/08	<1	18	clean perimeter well
MW-18	---	---	03/24/99	<1	7	clean perimeter well
MW-19	---	---	03/24/99	<1	8	clean perimeter well
MW-20	VOCs	VOCs	01/03/12	6.4 (DCE)	0	COCs: DCA, DCE, TCA
MW-21	---	BTEX	01/03/12	<1	14	Previously contained elevated benzene
MW-22	VOCs	VOCs	01/03/12	<1 (DCE)	18	COCs: DCA, DCE, TCA
MW-23D	---	BTEX	01/03/12	<1	20	clean deep well
MW-24D	---	BTEX	01/03/12	<1	17	clean deep well
MW-25D	---	BTEX	01/03/12	<1	17	clean deep well
MW-26	VOCs	VOCs	01/03/12	57 (DCE)	0	COCs: DCA, DCE, TCA
MW-27	---	---	na	na	na	PSH in well
MW-28	---	---	09/10/08	<1	12	clean perimeter well
MW-29	BTEX	BTEX	01/02/12	<1	4	Previously contained elevated benzene
MW-30	---	---	09/16/08	<1	12	clean perimeter well
MW-31	---	---	09/10/08	<1	9	clean perimeter well
MW-32	BTEX	BTEX	01/02/12	1.8	10	Previously contained elevated benzene
MW-33	---	---	09/10/08	<1	9	clean perimeter well
MW-34	BTEX	BTEX	01/02/12	210	0	Elevated benzene
MW-35	BTEX	BTEX	01/02/12	<1	19	clean downgradient well
MW-36	---	---	03/11/09	<1	12	clean downgradient well
MW-37	---	---	03/11/09	<1	12	clean downgradient well
MW-38	---	---	03/11/09	<1	12	clean downgradient well

Notes:
1) nd - non-detect
2) na - not available; sample not collected or analysis not requested
3) VOCs - Volatile Organic Compounds by EPA Method 8260
4) BTEX - by EPA Method 8260

**Table 8. Summary of Vapor Sample Analyses for the SVE System
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	Gasoline Range VOCs		Estimated Process Flow	Potential Emissions	< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ug/L)	(ppmv) ^(a)	(scfm)	(lb/hr)	(%)									
West Baker Furnace	05/21/03	3,220	980	128	1.5	1.0	19.7	40.0	28.8	7.5	2.4	0.5	0.1	0.0	0.0
Duplicate (SVE-1)	05/21/03	3,680	1,120	128	1.8	0.0	20.6	39.8	29.3	7.6	2.2	0.4	0.1	0.0	0.0
West Baker Furnace	06/04/03	3,660	1,114	127	1.7	0.7	36.1	23.0	32.6	4.6	2.3	0.5	0.0	0.0	0.2
Duplicate (SVE-1)	06/04/03	3,180	968	127	1.5	0.4	37.4	34.7	20.8	4.5	2.0	0.2	0.0	0.0	0.0
West Baker Furnace	12/15/04	979	298	157	0.6	10.0	36.1	40.2	7.1	5.2	0.8	0.5	0.0	0.1	0.0
West Baker Furnace	12/22/04	320	97	168	0.2	8.8	31.5	33.8	15.3	6.7	3.0	0.3	0.5	0.1	0.0
West Baker Furnace	07/15/05	2,120	645	153	1.2	8.1	41.2	29.3	15.8	4.2	1.2	0.2	0.0	0.0	0.0
West Baker Furnace	05/01/06	2,200	669	160	1.3	23.7	26.6	27.6	16.1	3.9	1.5	0.6	0.0	0.0	0.0
West Baker Furnace	09/13/06	990	301	165	0.6	26.4	25.9	26.1	18.7	2.0	0.6	0.3	0.0	0.0	0.0
West Baker Furnace	06/22/07	826	251	161	0.5	5.8	22.3	31.4	27.8	9.9	2.5	0.3	0.0	0.0	0.0
West Baker Furnace	07/02/08	728	222	150	0.4	6.7	27.4	35.4	26.1	2.6	0.4	1.4	0.0	0.0	0.0
West Baker Furnace	11/05/08	5,840	1,777	140	3.1	6.4	33.0	35.3	21.5	3.6	0.1	0.1	0.0	0.0	0.0
West Baker Furnace	10/06/09	1,770	539	142	0.9	--	10.5	46.2	38.1	4.0	1.2	0.0	0.0	0.0	0.0
West Baker Furnace	08/10/11	3,200	974	147	1.8	--	--	--	--	--	--	--	--	--	--
East Baker Furnace	05/21/03	1,850	563	175	1.2	0.0	16.5	29.1	26.2	14.2	8.0	2.2	0.7	2.4	0.7
Duplicate (SVE-2)	05/21/03	2,070	630	175	1.4	0.0	16.6	29.8	27.2	15.1	8.6	1.8	0.6	0.1	0.2
East Baker Furnace	06/04/03	3,450	1,050	142	1.8	0.4	39.8	30.3	19.0	7.1	2.5	0.8	0.1	0.0	0.0
Duplicate (SVE-2)	06/04/03	3,370	1,025	142	1.8	0.3	40.2	29.9	19.0	7.2	2.6	0.7	0.1	0.0	0.0
East Baker Furnace	12/15/04	2,800	852	215	2.3	1.4	38.5	39.9	15.8	3.5	0.5	0.2	0.0	0.1	0.1
East Baker Furnace	12/22/04	1,520	463	174	1.0	4.7	32.0	33.9	24.6	3.6	1.0	0.1	0.1	0.0	0.0
East Baker Furnace	07/15/05	4,140	1,260	184	2.9	8.2	41.4	29.6	16.3	3.8	0.7	0.0	0.0	0.0	0.0
East Baker Furnace	05/10/06	4,470	1,360	198	3.3	25.1	28.4	27.5	14.6	2.7	0.5	1.2	0.0	0.0	0.0
East Baker Furnace	09/13/06	3,140	956	210	2.5	23.0	27.4	29.0	16.9	3.3	0.4	0.0	0.0	0.0	0.0
East Baker Furnace	06/22/07	1,300	396	206	1.0	6.1	23.5	31.5	29.5	7.8	1.6	0.0	0.0	0.0	0.0
East Baker Furnace	07/02/08	1,420	432	193	1.0	4.8	19.9	28.4	34.5	5.9	1.4	4.2	0.0	0.2	0.7
East Baker Furnace	11/05/08	4,580	1,394	177	3.0	9.0	30.1	32.9	22.5	4.6	0.2	0.7	0.0	0.0	0.0
East Baker Furnace	10/06/09	2,010	612	216	1.6	--	15.4	49.3	31.4	2.9	1.0	0.0	0.0	0.0	0.0
East Baker Furnace	08/10/11	2,200	669	147	1.2	--	--	--	--	--	--	--	--	--	--

**Table 8. Summary of Vapor Sample Analyses for the SVE System
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	Gasoline Range VOCs		Estimated Process Flow	Potential Emissions	< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ug/L)	(ppmv) ^(a)	(scfm)	(lb/hr)	(%)									
A Circuit	07/22/03	2,540	773	132	1.3	0.0	17.2	38.5	31.1	7.6	3.1	0.5	0.5	1.5	0.0
Duplicate (A Circuit) (SVE-1)	07/22/03	2,140	651	132	1.1	0.0	17.8	39.0	30.1	9.8	2.8	0.4	0.0	0.1	0.0
A Circuit	03/02/04	1,050	320	24	0.1	0.1	36.2	44.4	17.5	1.5	0.3	0.0	0.0	0.0	0.0
A Circuit	12/15/04	3,680	1,120	34	0.5	0.2	35.0	42.3	17.6	4.4	0.4	0.1	0.0	0.0	0.0
A Circuit	12/22/04	660	201	81	0.2	18.6	43.0	31.1	6.3	0.5	0.2	0.0	0.3	0.0	0.0
A Circuit	07/15/05	4,850	1,476	37	0.7	6.0	35.4	31.7	20.5	5.3	1.0	0.1	0.0	0.0	0.0
A Circuit	05/10/06	8,800	2,678	40	1.3	21.2	31.1	30.0	14.4	2.6	0.4	0.3	0.0	0.0	0.0
A Circuit	09/13/06	9,340	2,842	52	1.8	31.5	30.5	26.5	10.4	1.1	0.0	0.0	0.0	0.0	0.0
A Circuit	06/22/07	1,020	310	90	0.3	3.2	15.7	26.6	34.4	12.1	3.7	4.3	0.0	0.0	0.0
A Circuit	07/02/08	344	105	86	0.1	5.9	28.8	35.7	24.5	2.1	0.4	2.6	0.0	0.0	0.0
Duplicate (Circuit A-D)	07/02/08	388	118	86	0.1	5.4	27.2	45.7	17.3	1.7	0.2	2.4	0.0	0.0	0.1
A Circuit	10/06/09	1,460	444	86	0.5	--	12.0	41.5	37.2	3.4	5.0	0.1	0.1	0.1	0.6
A Circuit	08/10/11	2,000	609	47	0.4	--	--	--	--	--	--	--	--	--	--
B Circuit	07/27/03	7,640	2,325	110	3.1	0.2	34.6	20.4	33.3	8.0	2.5	0.7	0.3	0.0	0.0
B Circuit	03/02/04	9,420	2,867	80	2.8	0.1	40.2	40.4	18.1	1.2	0.0	0.0	0.0	0.0	0.0
B Circuit	12/15/04	6,380	1,941	90	2.2	0.1	33.1	50.3	14.2	2.2	0.1	0.0	0.0	0.0	0.0
B Circuit	12/22/04	4,990	1,518	73	1.4	0.3	40.8	39.7	18.1	1.1	0.0	0.0	0.0	0.0	0.0
B Circuit	07/15/05	28,900	8,794	94	10.2	16.9	48.5	22.4	10.8	1.3	0.1	0.0	0.0	0.0	0.0
B Circuit	05/10/06	8,470	2,577	99	3.2	12.2	33.7	39.0	12.2	2.2	0.1	0.6	0.0	0.0	0.0
B Circuit	09/13/06	6,320	1,923	104	2.5	34.2	29.1	23.9	11.5	1.3	0.0	0.0	0.0	0.0	0.0
B Circuit	06/22/07	6,690	2,036	73	1.8	8.2	29.0	34.2	22.1	5.1	0.7	0.7	0.0	0.0	0.0
B Circuit	07/02/08	21.8	7	78	0.0	3.2	6.1	32.5	38.3	11.1	3.1	5.6	0.1	0.0	0.0
B Circuit	10/06/09	3,390	1,032	78	1.0	--	19.6	49.7	27.0	3.2	0.5	0.0	0.0	0.0	0.0
B Circuit	08/10/11	8,100	2,465	53	1.6	--	--	--	--	--	--	--	--	--	--

**Table 8. Summary of Vapor Sample Analyses for the SVE System
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	Gasoline Range VOCs		Estimated Process Flow	Potential Emissions	< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ug/L)	(ppmv) ^(a)	(scfm)	(lb/hr)	(%)									
C Circuit	08/18/03	1,250	380	130	0.6	0.0	37.5	35.6	22.5	3.9	0.5	0.0	0.0	0.0	0.0
C Circuit	03/02/04	7,890	2,401	64	1.9	0.1	25.4	39.2	30.1	4.7	0.5	0.0	0.0	0.0	0.0
C Circuit	12/15/04	857	261	90	0.3	5.7	49.5	41.5	2.1	0.4	0.2	0.5	0.0	0.1	0.0
C Circuit	12/22/04	2,770	843	59	0.6	3	22.5	37.1	32.2	4.6	0.3	0.0	0.1	0.0	0.0
C Circuit	07/15/05	1,390	423	75	0.4	11	40.1	26.0	19.4	1.6	0.2	1.6	0.0	0.0	0.0
C Circuit	05/10/06	1,400	426	80	0.4	20	14.1	43.9	17.5	1.3	0.0	3.1	0.0	0.0	0.0
C Circuit	09/13/06	180	55	73	0.0	27	34.0	25.2	13.7	0.3	0.1	0.1	0.0	0.0	0.0
C Circuit	06/22/07	1,600	487	65	0.4	9.4	31.8	34.9	20.3	3.3	0.3	0.0	0.0	0.0	0.0
C Circuit	07/02/08	2,070	630	62	0.5	5.6	24.6	38.2	28.4	2.6	0.1	0.5	0.0	0.0	0.0
C Circuit	10/06/09	9,140	2,781	62	2.1	--	20.3	53.4	24.2	1.2	0.9	0.0	0.0	0.0	0.0
Duplicate (MPE 30-37)	10/06/09	9,910	3,016	62	2.3	--	20.5	56.4	20.0	1.5	1.6	0.0	0.0	0.0	0.0
C Circuit	08/10/11	20,000	6,086	47	3.5	--	--	--	--	--	--	--	--	--	--
D Circuit	08/25/03	2,380	724	119	1.1	0.0	49.6	35.7	13.4	1.0	0.1	0.0	0.0	0.1	0.1
D Circuit	03/02/04	52,600	16,006	64	12.7	0.0	32.1	47.8	18.8	1.2	0.1	0.0	0.0	0.0	0.0
D Circuit	12/15/04	14,400	4,382	90	4.9	0.1	34.3	53.7	11.0	0.9	0.0	0.0	0.0	0.0	0.0
D Circuit	12/22/04	13,600	4,138	59	3.0	0.1	35.7	45.3	17.9	1.0	0.0	0.0	0.0	0.0	0.0
D Circuit	07/15/05	10,900	3,317	75	3.1	11.3	39.9	26.6	19.4	2.4	0.2	0.1	0.0	0.1	0.0
D Circuit	05/10/06	28,100	8,551	80	8.4	22.3	33.9	22.3	18.7	2.5	0.0	0.3	0.0	0.0	0.0
D Circuit	09/13/06	17,600	5,356	83	5.5	31.9	38.0	24.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0
D Circuit	06/22/07	13,100	3,986	65	3.2	6.8	25.0	33.5	26.3	6.8	0.8	0.8	0.0	0.0	0.0
D Circuit	07/02/08	6,460	1,966	70	1.7	10.6	37.8	38.1	11.1	0.6	0.1	1.6	0.0	0.0	0.1
D Circuit	10/06/09	11,000	3,347	62	2.6	--	23.7	53.2	21.3	1.1	0.7	0.0	0.0	0.0	0.0
D Circuit	08/10/11	24,000	7,303	47	4.2	--	--	--	--	--	--	--	--	--	--

**Table 8. Summary of Vapor Sample Analyses for the SVE System
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	Gasoline Range VOCs		Estimated Process Flow	Potential Emissions	< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ug/L)	(ppmv) ^(a)	(scfm)	(lb/hr)	(%)									
Shallow Circuit	03/02/04	1,200	365	48	0.2	0.3	13.5	32.7	40.9	11.3	1.3	0.0	0.0	0.0	0.0
Shallow Circuit	12/15/04	3,630	1,105	68	0.9	0.7	17.1	44.2	28.2	6.8	0.8	1.3	0.7	0.2	0.0
Shallow Circuit	12/22/04	584	178	66	0.1	2.3	14.2	35.9	36.7	7.7	0.7	0.4	0.8	0.6	0.7
Shallow Circuit	07/15/05	336	102	56	0.1	1.5	20.0	20.8	39.1	13.7	4.2	0.6	0.0	0.0	0.1
Shallow Circuit	05/10/06	1,260	383	60	0.3	4.6	6.3	28.5	48.1	9.7	1.4	1.4	0.0	0.0	0.0
Shallow Circuit	09/13/06	4,450	1,354	63	1.0	6.9	23.3	43.2	24.4	2.2	0.0	0.0	0.0	0.0	0.0
Shallow Circuit	06/22/07	1,030	313	73	0.3	0.9	7.3	22.6	39.7	18.2	5.6	5.2	0.5	0.0	0.0
Shallow Circuit	07/02/08	31.2	9	47	0.0	1.3	10.9	35.3	34.2	11.0	3.1	4.0	0.2	0.0	0.0
Shallow Circuit	10/06/09	1,100	335	70	0.3	--	8.8	40.9	41.4	4.9	3.7	0.1	0.1	0.0	0.1
Shallow Circuit	08/10/11	15	5	53	0.0	--	--	--	--	--	--	--	--	--	--
(a) Conversion Factor: $P = 1.00 \text{ atm}$, $MW = 79 \text{ g/mole}$, $R = 0.08205 \text{ L} \cdot \text{atm}/(\text{K} \cdot \text{mole})$, $T = 293^\circ\text{K}$ $C \text{ ppmv} = C \text{ ug/L} \cdot ((R \cdot T)/(MW \cdot P))$ $C \text{ ppmv} = C \text{ ug/L} \cdot 0.3043$															

**Table 8b. SVE System Potential Emissions Estimate for
Total Non-Methane Hydrocarbons
Roswell Station Remediation Site**

Date	West Unit				East Unit				Total			
	Total NMHC C(ug/L)	Flow Rate Q(scfm)	Potential Emissions M(lb/hr)	Projected TPY M(tons/yr)	Total NMHC C(ug/L)	Flow Rate Q(scfm)	Potential Emissions M(lb/hr)	Projected TPY M(tons/yr)	Flow Rate Q(scfm)	Potential Emissions M(lb/hr)	Projected TPY M(tons/yr)	Projected GPY M(gal/yr)
05/21/03	3220	128	1.5	6.8	1850	175	1.2	5.3	303	2.8	12.1	3810
06/04/03	3660	127	1.7	7.6	3450	142	1.8	8.0	269	3.6	15.7	4942
12/15/04	979	157	0.6	2.5	2800	215	2.3	9.9	372	2.8	12.4	3912
07/15/05	2120	153	1.2	5.3	4140	184	2.9	12.5	337	4.1	17.8	5622
05/01/06	2200	160	1.3	5.8	4470	198	3.3	14.5	358	4.6	20.3	6404
09/13/06	990	165	0.6	2.7	3140	210	2.5	10.8	375	3.1	13.5	4259
06/22/07	826	161	0.5	2.2	1300	206	1.0	4.4	367	1.5	6.6	2075
07/02/08	728	150	0.4	1.8	1420	193	1.0	4.5	343	1.4	6.3	1984
11/05/08	5840	140	3.1	13.4	4580	177	3.0	13.3	317	6.1	26.7	8429
10/06/09	1770	142	0.9	4.1	2010	216	1.6	7.1	358	2.6	11.2	3549
08/10/11	3200	147	1.8	7.7	2200	147	1.2	5.3	294	3.0	13.0	4109

Notes:

1) Concentrations based on Hall Lab analysis of SVE system samples

**Table 9. Summary of Vapor Sample Analyses for Individual SVE Wells
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	PID Readings	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ppm)	(ug/L)	(ppmv) ^(a)	(%)									
MPE-1	08/03/03	3.3	5	1.6	0.0	0.0	0.9	5.4	23.4	36.1	26.5	6.4	1.3	0.0
	12/22/04	--	461	140.3	0.3	7.9	25.3	45.6	16.0	4.0	0.0	0.7	0.2	0.0
	05/10/06	--	265	80.6	4.3	11.1	27.4	31.4	15.3	7.3	3.0	0.1	0.1	0.0
	06/22/07	--	193	58.7	0.7	5.8	21.4	40.7	23.5	7.3	0.6	0.0	0.0	0.0
	07/02/08	--	192	58.4	2.7	5.8	32.0	36.3	13.5	4.4	5.3	0.0	0.0	0.0
	10/06/09	--	137	41.7	--	6.6	35.2	41.7	10.4	5.5	0.5	0.1	0.0	0.0
MPE-2	08/03/03	3.1	9	2.7	0.0	0.0	0.7	5.1	20.1	29.0	19.6	4.9	17.8	2.8
	12/22/04	--	506	154.0	0.4	7.7	25.3	46.1	16.2	3.8	0.0	0.5	0.0	0.0
	05/10/06	--	351	106.8	4.6	12.0	28.2	31.3	15.0	6.2	2.6	0.0	0.1	0.0
	06/22/07	--	163	49.6	0.8	6.9	23.4	40.8	20.8	6.8	0.5	0.0	0.0	0.0
	07/02/08	--	192	58.4	1.1	7.3	32.3	33.7	13.8	8.1	3.7	0.0	0.0	0.0
	10/06/09	--	0	0.0	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MPE-3	08/03/03	3.4	7	2.1	0.0	1.7	9.1	16.4	23.9	32.4	15.9	0.6	0.0	0.0
	12/22/04	--	564	171.6	0.5	7.9	25.7	45.8	16.0	3.6	0.0	0.4	0.1	0.0
	05/10/06	--	341	103.8	3.4	9.3	22.7	25.4	12.0	5.6	21.5	0.0	0.1	0.0
	06/22/07	--	178	54.2	0.9	7.0	23.2	39.8	21.0	7.4	0.7	0.0	0.0	0.0
	07/02/08	--	241	73.3	1.1	7.7	33.8	33.8	12.9	7.2	2.8	0.3	0.4	0.0
	10/06/09	--	197	59.9	--	21.1	52.0	22.8	3.0	1.0	0.1	0.0	0.0	0.0
MPE-4	08/03/03	3.2	16	4.8	0.0	2.6	17.7	21.3	26.7	21.3	9.9	0.3	0.2	0.0
	12/22/04	--	620	188.7	0.5	8.4	26.3	41.7	18.9	3.5	0.3	0.4	0.0	0.0
	05/10/06	--	412	125.4	5.1	11.2	26.9	31.7	14.8	6.8	3.4	0.0	0.1	0.0
	06/22/07	--	190	57.8	0.8	7.2	23.8	40.1	20.7	6.8	0.6	0.0	0.0	0.0
	07/02/08	--	245	74.6	1.1	7.9	34.3	33.6	13.7	6.7	2.7	0.0	0.0	0.0
	10/06/09	--	29.5	9.0	--	9.2	39.3	39.4	7.4	4.1	0.5	0.1	0.0	0.0

**Table 9. Summary of Vapor Sample Analyses for Individual SVE Wells
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	PID Readings	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ppm)	(ug/L)	(ppmv) ^(a)	(%)									
MPE-5	08/03/03	3.6	9	2.9	0.0	0.6	5.8	17.9	33.1	30.5	11.9	0.2	0.0	0.0
	12/22/04	--	536	163.1	0.8	8.2	26.0	49.4	12.2	2.6	0.0	0.7	0.1	0.0
	05/10/06	--	438	133.3	6.0	11.5	27.3	31.1	13.9	6.4	3.6	0.0	0.2	0.0
	06/22/07	--	226	68.8	0.8	7.2	23.7	39.8	20.9	6.9	0.7	0.0	0.0	0.0
	07/02/08	--	287	87.3	1.3	8.8	27.0	36.7	15.2	7.8	2.7	0.0	0.5	0.0
	10/06/09	--	17.1	5.2	--	7.4	33.3	43.7	7.7	6.9	0.7	0.2	0.1	0.0
MPE-6	08/03/03	3.9	8	2.5	0.0	0.0	2.1	12.8	29.7	35.3	19.8	0.3	0.0	0.0
	12/22/04	--	639	194.4	1.0	9.1	26.9	48.2	12.0	2.1	0.0	0.6	0.1	0.0
	05/10/06	--	482	146.7	4.9	11.9	28.1	31.8	14.4	6.2	2.6	0.0	0.1	0.0
	06/22/07	--	249	75.8	1.0	7.8	24.9	40.5	20.3	5.1	0.4	0.0	0.0	0.0
	07/02/08	--	321	97.7	1.0	7.1	36.4	38.2	11.7	3.7	1.9	0.0	0.0	0.0
	10/06/09	--	12.4	3.8	--	7.5	30.3	44.4	8.0	8.3	1.0	0.2	0.1	0.2
MPE-7	08/03/03	7.2	107	32.6	0.0	47.4	22.0	17.8	5.6	2.8	1.7	0.7	2.0	0.0
	12/22/04	--	727	221.2	0.9	8.6	25.5	44.2	11.2	9.1	0.0	0.5	0.0	0.0
	05/10/06	--	646	196.6	4.6	12.4	28.8	31.6	14.5	6.0	2.0	0.0	0.1	0.0
	06/22/07	--	348	105.9	1.0	7.7	24.6	41.5	20.2	4.7	0.3	0.0	0.0	0
	07/02/08	--	904	275.1	1.2	10.1	36.1	36.1	10.9	4.4	1.2	0.0	0.0	0
	10/06/09	--	26.4	8.0	--	20.2	34.3	34.4	5.4	4.9	0.6	0.1	0.1	0
MPE-8	08/03/03	5.1	34	10.2	0.0	9.5	17.4	34.1	19.5	9.4	4.8	1.6	3.7	0.0
	12/22/04	--	811	246.8	1.3	10.6	29.2	46.1	10.8	1.5	0.0	0.5	0.0	0.0
	05/10/06	--	880	267.8	6.2	14.4	30.2	30.4	12.8	4.4	1.5	0.0	0.1	0.0
	06/22/07	--	532	161.9	1.0	8.5	26.2	41.7	19.0	3.5	0.1	0.0	0.0	0.0
	07/02/08	--	644	196.0	1.1	9.9	44.3	33.2	8.6	1.5	1.4	0.0	0.0	0.0
	10/06/09	--	18.2	5.5	--	12.2	39.3	36.2	5.8	5.8	0.6	0.1	0.0	0.0

**Table 9. Summary of Vapor Sample Analyses for Individual SVE Wells
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	PID Readings	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ppm)	(ug/L)	(ppmv) ^(a)	(%)									
MPE-9	08/03/03	23.9	260	79.1	0.0	55.0	26.1	14.5	2.8	1.1	0.5	0.0	0.0	0.0
	12/22/04	—	1,590	483.8	2.8	24.3	31.9	32.2	7.3	1.1	0.0	0.3	0.1	0.0
	05/10/06	—	3,830	1,165.5	14.1	26.3	32.4	20.0	5.3	1.1	0.8	0.0	0.0	0.0
	06/22/07	—	1,490	453.4	2.1	13.6	30.2	40.5	12.2	1.4	0.0	0.0	0.0	0.0
	07/02/08	—	1,550	471.7	1.6	10.4	42.4	35.3	6.3	0.7	3.3	0.0	0.0	0.0
	10/06/09	—	7.4	2.3	—	8.3	20.8	43.2	10.7	14.5	2.0	0.3	0.2	0.0
MPE-10	08/03/03	8.6	68	20.8	0.0	28.4	29.8	24.3	10.0	5.3	2.2	0.0	0.0	0.0
	12/22/04	—	1,140	346.9	0.1	10.5	30.4	43.5	13.4	2.0	0.0	0.1	0.0	0.0
	05/10/06	—	7,560	2,300.5	30.3	33.0	24.6	9.6	1.6	0.2	0.7	0.0	0.0	0.0
	06/22/07	—	7,840	2,385.7	8.3	31.4	34.4	22.7	3.1	0.1	0.0	0.0	0.0	0.0
	07/02/08	—	9,370	2,851.3	7.6	36.2	41.6	12.8	1.2	0.0	0.6	0.0	0.0	0.0
	10/06/09	—	1,650	502.1	—	18.6	56.5	22.0	2.0	0.9	0.0	0.0	0.0	0.0
MPE-11	08/03/03	5.3	29	8.9	0.0	15.4	26.5	27.1	14.8	10.7	5.1	0.1	0.3	0.0
	12/22/04	—	1,400	426.0	0.3	9.8	30.7	46.1	11.2	1.6	0.0	0.2	0.1	0.0
	05/10/06	—	1,000	304.3	5.6	12.3	29.3	32.6	13.0	4.5	2.6	0.0	0.1	0.0
	06/22/07	—	508	154.6	1.0	8.4	27.2	42.9	17.3	3.2	0.0	0.0	0.0	0.0
	07/02/08	—	650	197.8	8.5	25.1	32.3	25.5	6.0	0.9	1.6	0.0	0.0	0.1
	10/06/09	—	150	45.6	—	9.5	36.4	43.8	5.8	4.2	0.3	0.0	0.0	0.0
MPE-12	08/03/03	130.6	5,600	1,704.1	0.0	35.0	38.7	22.4	3.5	0.4	0.0	0.0	0.0	0.0
	12/22/04	—	1,940	590.3	0.3	12.1	35.1	43.2	8.1	1.0	0.0	0.2	0.0	0.0
	05/10/06	—	18,800	5,720.8	7.9	29.2	36.8	23.1	2.2	0.2	0.6	0.0	0.0	0.0
	06/22/07	—	13,800	4,199.3	4.4	19.9	35.2	32.0	7.8	0.7	0.0	0.0	0.0	0.0
	07/02/08	—	11,300	3,438.6	4.9	13.7	41.4	32.0	5.6	0.4	2.0	0.0	0.0	0.0
(Duplicate MPE-66)	07/02/08	—	11,600	3,529.9	5.1	22.0	38.0	28.1	5.5	0.4	0.9	0.0	0.0	0.0
	10/06/09	—	1,660	505.1	—	18.7	52.1	24.9	3.7	0.6	0.0	0.0	0.0	0.0

**Table 9. Summary of Vapor Sample Analyses for Individual SVE Wells
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	PID Readings	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ppm)	(ug/L)	(ppmv) ^(a)	(%)									
MPE-13	08/03/03	156.9	7,290	2,218.3	0.0	16.6	61.3	18.9	2.9	0.3	0.0	0.0	0.0	0.0
	12/22/04	--	4,930	1,500.2	0.0	24.9	42.5	27.9	4.1	0.5	0.0	0.1	0.0	0.0
	05/10/06	--	10,800	3,286.4	21.4	26.6	31.3	16.6	2.9	0.7	0.5	0.0	0.0	0.0
	07/02/08	--	1,500	456.5	5.5	14.9	34.5	33.1	8.0	1.1	2.9	0.0	0.0	0.0
	10/06/09	--	2,990	909.9	--	16.6	50.0	29.2	3.3	0.9	0.0	0.0	0.0	0.0
MPE-14	08/03/03	162.7	8,480	2,580.5	0.0	48.6	29.0	19.2	2.7	0.3	0.1	0.0	0.1	0.0
	12/22/04	--	4,770	1,451.5	0.1	28.5	41.7	25.4	3.8	0.4	0.0	0.1	0.0	0.0
	05/10/06	--	14,200	4,321.1	35.8	25.5	22.8	12.5	2.5	0.5	0.4	0.0	0.0	0.0
	06/22/07	--	12,800	3,895.0	7.2	31.0	37.2	20.4	3.8	0.4	0.0	0.0	0.0	0.0
	07/02/08	--	7,240	2,203.1	5.7	26.5	42.0	21.3	2.7	0.4	1.4	0.0	0.0	0.0
	10/06/09	--	18,500	5,629.6	--	23.3	56.6	18.3	1.2	0.6	0.0	0.0	0.0	0.0
MPE-15	08/03/03	106.3	1,700	517.3	0.0	21.6	32.9	34.0	9.7	1.8	0.0	0.0	0.0	0.0
	12/22/04	--	1,920	584.3	0.4	11.7	33.9	43.5	9.3	1.1	0.0	0.1	0.0	0.0
	05/10/06	--	1,570	477.8	5.9	13.3	29.4	31.7	13.3	4.5	1.9	0.0	0.0	0.0
	06/22/07	--	1,850	563.0	3.1	14.8	29.4	34.3	15.2	3.2	0.0	0.0	0.0	0.0
	07/02/08	--	1,000	304.3	1.2	8.5	39.7	33.6	12.7	3.3	1.0	0.0	0.0	0.0
	10/06/09	--	2,360	718.1	--	16.1	48.5	28.0	3.4	3.4	0.0	0.0	0.0	0.6
MPE-16	08/03/03	134.2	3,430	1,043.7	0.0	32.6	35.2	25.9	5.4	0.8	0.1	0.0	0.0	0.0
	12/22/04	--	4,410	1,342.0	0.0	24.5	40.8	29.2	4.9	0.5	0.0	0.1	0.0	0.0
	05/10/06	--	6,960	2,117.9	32.0	24.9	23.0	14.6	3.5	1.2	0.8	0.0	0.0	0.0
	06/22/07	--	13,900	4,229.8	19.6	40.1	24.2	12.8	3.0	0.3	0.0	0.0	0.0	0.0
	07/02/08	--	3,900	1,186.8	10.9	27.1	30.9	23.5	4.3	0.6	2.7	0.0	0.0	0.0
	10/06/09	--	6,230	1,895.8	--	25.2	53.5	18.4	1.5	1.4	0.0	0.0	0.0	0.0

**Table 9. Summary of Vapor Sample Analyses for Individual SVE Wells
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	PID Readings	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ppm)	(ug/L)	(ppmv) ^(a)	(%)									
MPE-17	08/03/03	95.7	1,960	596.4	0.0	15.0	30.1	37.8	14.2	2.8	0.1	0.0	0.0	0.0
	12/22/04	--	3,140	955.5	0.2	20.1	34.9	36.8	7.3	0.7	0.0	0.0	0.0	0.0
	05/10/06	--	19,800	6,025.1	26.8	28.1	26.8	14.3	2.3	0.5	1.2	0.0	0.0	0.0
	06/22/07	--	9,720	2,957.8	7.2	27.9	35.1	24.6	4.8	0.4	0.0	0.0	0.0	0.0
	07/02/08	--	3,740	1,138.1	5.2	22.5	38.1	26.6	4.3	0.5	2.8	0.0	0.0	0.0
	10/06/09	--	7,060	2,148.4	--	15.5	47.8	30.0	5.3	1.4	0.0	0.0	0.0	0.0
MPE-18	08/03/03	65.7	971	295.5	0.0	10.2	25.6	37.7	20.5	5.6	0.4	0.0	0.0	0.0
	12/22/04	--	4,380	1,332.8	0.1	13.8	37.7	41.2	6.7	0.5	0.0	0.0	0.0	0.0
	05/10/06	--	1,930	587.3	6.4	14.1	31.3	32.0	9.4	4.0	2.7	0.0	0.1	0.0
	06/22/07	--	2,350	715.1	1.6	12.1	31.6	37.9	14.6	2.2	0.0	0.0	0.0	0.0
	07/02/08	--	1,620	493.0	1.6	8.3	41.0	36.4	8.2	1.4	3.1	0.0	0.0	0.0
	10/06/09	--	1,750	532.5	--	8.7	39.7	37.6	8.4	5.0	0.0	0.1	0.1	0.4
MPE-19	08/03/03	88.2	2,430	739.4	0.0	35.0	28.7	24.3	8.9	2.8	0.3	0.0	0.0	0.0
	12/22/04	--	7,820	2,379.6	0.0	14.5	43.5	37.5	4.2	0.3	0.0	0.0	0.0	0.0
	05/10/06	--	4,550	1,384.6	5.8	16.5	35.2	30.9	9.0	1.4	1.2	0.0	0.0	0.0
	06/22/07	--	5,480	1,667.6	4.2	19.5	34.7	31.2	9.4	1.0	0.0	0.0	0.0	0.0
	07/02/08	--	5,280	1,606.7	3.1	18.3	42.5	26.8	7.0	1.2	1.1	0.0	0.0	0.0
	10/06/09	--	1,550	471.7	--	11.3	41.1	34.7	7.6	5.0	0.0	0.1	0.1	0.1
MPE-20	08/03/03	132.8	19,800	6,025.1	0.0	55.2	27.5	14.6	2.2	0.3	0.2	0.0	0.0	0.0
	12/22/04	--	23,300	7,090.2	0.0	34.8	43.9	20.1	1.2	0.0	0.0	0.0	0.0	0.0
	05/10/06	--	33,300	10,133.2	36.7	20.9	28.6	11.0	0.7	0.2	1.8	0.0	0.1	0.0
	06/22/07	--	56,300	17,132.1	9.8	34.5	35.9	17.2	2.5	0.1	0.0	0.0	0.0	0.0
	07/02/08	--	49,600	15,093.3	8.7	32.6	37.6	19.6	1.1	0.0	0.4	0.0	0.0	0.0
	10/06/09	--	1,820	553.8	--	15.3	44.1	29.3	5.8	4.6	0.0	0.1	0.1	0.7

**Table 9. Summary of Vapor Sample Analyses for Individual SVE Wells
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	PID Readings	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ppm)	(ug/L)	(ppmv) ^(a)	(%)									
MPE-21	08/03/03	131.7	27,900	8,490.0	0.0	27.0	53.2	17.3	2.2	0.2	0.1	0.0	0.0	0.0
	12/22/04	--	18,600	5,660.0	0.0	35.7	45.0	18.3	0.9	0.1	0.0	0.0	0.0	0.0
	05/10/06	--	1,220	371.2	6.3	13.7	29.4	32.0	12.2	4.0	2.3	0.0	0.1	0.0
	06/22/07	--	22,300	6,785.9	9.7	32.8	34.7	19.6	3.1	0.1	0.0	0.0	0.0	0.0
	07/02/08	--	14,400	4,381.9	9.6	35.7	39.6	12.9	1.4	0.1	0.7	0.0	0.0	0.0
	10/06/09	--	17,200	5,234.0	--	21.2	53.3	22.1	2.3	1.0	0.0	0.0	0.0	0.1
MPE-22	08/03/03	123.3	4,070	1,238.5	0.0	47.2	28.4	19.5	3.5	0.6	0.3	0.2	0.3	0.0
	12/22/04	--	3,770	1,147.2	30.9	49.0	18.8	1.2	0.1	0.0	0.0	0.0	0.0	0.0
	05/10/06	--	3,100	943.3	23.6	27.4	21.7	23.3	2.6	0.6	0.8	0.0	0.0	0.0
	06/22/07	--	3,990	1,214.2	11.1	33.4	32.5	20.3	2.6	0.1	0.0	0.0	0.0	0.0
	07/02/08	--	5,530	1,682.8	5.8	23.2	43.3	21.7	4.6	0.5	0.9	0.0	0.0	0.0
	10/06/09	--	4,430	1,348.0	--	14.7	44.9	35.4	3.2	1.8	0.0	0.0	0.0	0.0
MPE-23	08/03/03	136.0	6,660	2,026.6	0.0	30.4	51.3	15.4	2.5	0.4	0.0	0.0	0.0	0.0
	12/22/04	--	6,520	1,984.0	0.0	27.6	47.6	23.4	1.3	0.1	0.0	0.0	0.0	0.0
	05/10/06	--	33,400	10,163.6	15.3	39.4	30.1	13.1	1.7	0.1	0.3	0.0	0.0	0.0
	06/22/07	--	1,000	304.3	11.7	34.8	31.4	19.4	2.6	0.1	0.0	0.0	0.0	0.0
	07/02/08	--	14,000	4,260.2	16.4	43.8	26.9	11.0	1.1	0.0	0.8	0.0	0.0	0.0
	10/06/09	--	6,320	1,923.2	--	11.5	45.2	35.8	5.9	1.4	0.0	0.0	0.0	0.2
MPE-24	08/03/03	139.9	26,200	7,972.7	0.0	31.9	53.5	12.8	1.7	0.1	0.0	0.0	0.0	0.0
	12/22/04	--	33,300	10,133.2	0.0	33.1	45.7	20.4	0.8	0.0	0.0	0.0	0.0	0.0
	05/10/06	--	47,200	14,363.0	33.0	33.7	23.6	8.2	0.4	0.0	1.1	0.0	0.0	0.0
	06/22/07	--	68,500	20,844.6	8.3	31.4	37.2	20.0	3.0	0.1	0.0	0.0	0.0	0.0
	07/02/08	--	42,200	12,841.5	9.0	35.1	40.8	13.6	1.0	0.0	0.5	0.0	0.0	0.0
	10/06/09	--	68,600	20,875.0	--	21.6	52.6	23.7	1.8	0.3	0.0	0.0	0.0	0.0

**Table 9. Summary of Vapor Sample Analyses for Individual SVE Wells
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	PID Readings	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ppm)	(ug/L)	(ppmv) ^(a)	(%)									
MPE-25	08/03/03	136.4	3,730	1,135.0	0.0	26.6	39.8	26.3	6.3	1.0	0.0	0.0	0.0	0.0
	12/22/04	—	5,410	1,646.3	0.0	11.4	38.4	44.3	5.6	0.3	0.0	0.0	0.0	0.0
	05/10/06	—	1,510	459.5	5.7	14.5	32.1	24.0	18.2	3.9	1.6	0.0	0.0	0.0
	06/22/07	—	6,760	2,057.1	1.6	11.6	32.5	38.7	14.3	1.3	0.0	0.0	0.0	0.0
	07/02/08	—	7,050	2,145.3	2.0	15.0	41.9	33.6	6.3	0.3	0.8	0.1	0.0	0.0
	10/06/09	—	6,340	1,929.3	—	15.3	48.5	32.8	2.0	1.3	0.0	0.0	0.0	0.1
MPE-26	08/03/03	144.6	9,160	2,787.4	0.0	32.6	37.4	24.9	4.4	0.5	0.2	0.0	0.0	0.0
	12/22/04	—	5,920	1,801.5	0.0	21.7	38.9	34.4	4.7	0.3	0.0	0.0	0.0	0.0
	05/10/06	—	1,980	602.5	10.7	19.2	32.8	27.0	6.7	2.4	1.2	0.0	0.0	0.0
	06/22/07	—	8,010	2,437.4	8.9	31.1	30.8	21.9	6.6	0.7	0.0	0.0	0.0	0.0
	07/02/08	—	6,490	1,974.9	8.1	29.4	37.1	20.6	3.6	0.4	0.8	0.0	0.0	0.0
	10/06/09	—	16,500	5,021.0	—	21.9	52.5	22.0	1.4	1.9	0.0	0.0	0.0	0.3
MPE-27	08/03/03	142.5	77,400	23,552.8	0.0	31.7	55.3	11.5	1.3	0.1	0.1	0.0	0.0	0.0
	12/22/04	—	6,350	1,932.3	0.1	29.3	43.0	24.3	3.1	0.2	0.0	0.0	0.0	0.0
	05/10/06	—	6,040	1,838.0	11.7	23.5	33.8	22.7	6.5	1.0	0.8	0.0	0.0	0.0
	07/02/08	—	72,400	22,031.3	12.2	41.3	37.6	8.1	0.5	0.0	0.3	0.0	0.0	0.0
	10/06/09	—	81,500	24,800.5	—	30.4	56.9	11.5	0.7	0.5	0.0	0.0	0.0	0.0
MPE-28	08/03/03	162.1	25,900	7,881.4	0.0	27.4	52.3	17.2	2.9	0.2	0.0	0.0	0.0	0.0
	12/22/04	—	15,300	4,655.8	0.0	26.6	50.9	20.9	1.4	0.1	0.0	0.1	0.0	0.0
	05/10/06	—	34,500	10,498.4	21.5	31.9	30.1	11.9	2.7	0.2	1.7	0.0	0.0	0.0
	06/22/07	—	22,800	6,938.0	4.6	23.2	38.7	28.1	5.1	0.3	0.0	0.0	0.0	0.0
	07/02/08	—	11,800	3,590.7	3.2	29.3	40.6	22.3	2.7	0.2	1.7	0.0	0.0	0.0
	10/06/09	—	9,890	3,009.5	—	18.6	50.5	25.4	1.3	3.6	0.0	0.0	0.0	0.6

**Table 9. Summary of Vapor Sample Analyses for Individual SVE Wells
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	PID Readings	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ppm)	(ug/L)	(ppmv) ^(a)	(%)									
MPE-29	08/03/03	160.4	7,710	2,346.2	0.0	13.7	53.7	24.7	6.8	1.1	0.0	0.0	0.0	0.0
	12/22/04	--	3,400	1,034.6	1.2	14.0	40.3	39.1	4.9	0.4	0.0	0.1	0.0	0.0
	05/10/06	--	14,400	4,381.9	14.2	26.7	34.2	19.8	4.3	0.5	0.3	0.0	0.0	0.0
	06/22/07	--	29,900	9,098.6	0.9	8.6	29.4	42.6	16.5	2.0	0.0	0.0	0.0	0.0
	07/02/08	--	3,600	1,095.5	2.1	22.8	39.4	28.1	5.7	0.6	1.3	0.0	0.0	0.0
	10/06/09	--	2,250	684.7	--	9.4	38.7	39.9	8.6	3.3	0.0	0.0	0.0	0.1
MPE-30	08/03/03	154.6	59,200	18,014.6	0.0	29.0	54.8	14.6	1.5	0.1	0.0	0.0	0.0	0.0
	12/22/04	--	26,400	8,033.5	0.0	30.9	44.9	22.8	1.3	0.1	0.0	0.0	0.0	0.0
	05/10/06	--	37,600	11,441.7	18.5	31.8	33.0	14.1	2.1	0.2	0.3	0.0	0.0	0.0
	06/22/07	--	23,900	7,272.8	7.7	29.0	36.5	21.2	5.3	0.3	0.0	0.0	0.0	0.0
	07/02/08	--	9,840	2,994.3	7.4	29.6	36.3	21.2	3.0	0.4	2.1	0.0	0.0	0.0
	10/06/09	--	8,110	2,467.9	--	17.3	49.6	27.7	3.0	2.1	0.0	0.0	0.0	0.3
MPE-31	08/03/03	256.2	17,000	5,173.1	0.0	11.4	33.1	48.3	6.5	0.7	0.0	0.0	0.0	0.0
	12/22/04	--	18,500	5,629.6	0.0	28.5	43.5	25.3	2.5	0.2	0.0	0.0	0.0	0.0
	05/10/06	--	45,800	13,936.9	38.6	33.7	19.6	6.6	0.3	0.0	1.2	0.0	0.0	0.0
	06/22/07	--	15,300	4,655.8	8.4	31.7	34.3	20.3	4.7	0.6	0.0	0.0	0.0	0.0
	07/02/08	--	5,020	1,527.6	2.9	12.9	46.7	27.7	6.2	1.3	2.3	0.0	0.0	0.0
	10/06/09	--	11,000	3,347.3	--	18.3	55.5	22.6	1.8	1.6	0.0	0.0	0.0	0.2
MPE-32	08/03/03	190.0	9,520	2,896.9	0.0	14.3	52.1	25.6	7.0	1.0	0.0	0.0	0.0	0.0
	12/22/04	--	5,600	1,704.1	0.0	10.8	36.0	44.1	8.4	0.7	0.0	0.0	0.0	0.0
	05/10/06	--	10,800	3,286.4	20.3	25.9	30.1	18.3	3.6	0.9	0.9	0.0	0.0	0.0
	06/22/07	--	9,340	2,842.2	9.3	26.8	33.4	24.2	5.6	0.7	0.0	0.0	0.0	0.0
	07/02/08	--	31,200	9,494.2	10.3	38.4	38.2	11.8	0.9	0.0	0.4	0.0	0.0	0.0
	10/06/09	--	40,300	12,263.3	--	26.3	55.2	15.4	1.3	1.2	0.4	0.1	0.0	0.1

**Table 9. Summary of Vapor Sample Analyses for Individual SVE Wells
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	PID Readings	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ppm)	(ug/L)	(ppmv) ^(a)	(%)									
MPE-33	08/03/03	169.9	3,800	1,156.3	0.0	23.2	36.1	28.6	10.0	2.1	0.0	0.0	0.0	0.0
	12/22/04	--	3,370	1,025.5	0.8	13.7	35.3	40.2	8.9	1.0	0.0	0.1	0.0	0.0
	05/10/06	--	4,360	1,326.7	21.2	24.4	27.5	19.1	5.5	1.1	1.2	0.0	0.0	0.0
	06/22/07	--	2,870	873.3	3.5	16.4	31.1	34.8	12.1	2.1	0.0	0.0	0.0	0.0
	07/02/08	--	1,540	468.6	2.4	16.5	38.6	29.6	7.4	1.9	3.6	0.0	0.0	0.0
	10/06/09	--	934	284.2	--	12.4	43.8	32.1	6.1	4.3	0.3	0.2	0.3	0.5
MPE-34	08/03/03	143.3	5,040	1,533.7	0.0	10.0	28.2	46.0	14.0	1.8	0.0	0.0	0.0	0.0
	12/22/04	--	2,290	696.8	0.0	10.4	34.9	42.0	11.3	1.4	0.0	0.0	0.0	0.0
	05/10/06	--	1,800	547.7	6.4	15.9	31.4	29.8	11.2	3.8	1.5	0.0	0.0	0.0
	06/22/07	--	2,420	736.4	1.5	12.0	33.8	37.2	13.1	2.4	0.0	0.0	0.0	0.0
	07/02/08	--	1,120	340.8	1.8	9.5	37.1	34.1	9.4	2.9	5.2	0.0	0.0	0.0
	10/06/09	--	1,460	444.3	--	14.0	41.3	30.4	7.0	5.8	0.2	0.1	0.4	0.8
MPE-35	08/03/03	105.8	3,100	943.3	0.0	9.9	27.7	47.5	11.7	2.9	0.3	0.0	0.0	0.0
	12/22/04	--	1,840	559.9	0.7	11.5	33.4	42.7	10.3	1.3	0.0	0.1	0.0	0.0
	05/10/06	--	1,040	316.5	6.2	13.5	28.9	30.9	12.7	5.1	2.6	0.0	0.1	0.0
	06/22/07	--	1,190	362.1	1.1	8.9	27.9	40.0	17.9	4.1	0.1	0.0	0.0	0.0
	07/02/08	--	1,040	316.5	1.7	9.1	41.2	35.2	9.2	2.6	1.0	0.0	0.0	0.0
	10/06/09	--	2,780	846.0	--	7.7	42.3	40.8	5.1	3.4	0.1	0.1	0.2	0.3
MPE-36	08/03/03	113.1	2,500	760.8	0.0	22.3	33.5	29.3	11.7	2.9	0.3	0.0	0.0	0.0
	12/22/04	--	1,600	486.9	0.8	11.2	31.7	43.1	11.3	1.7	0.0	0.2	0.0	0.0
	05/10/06	--	850	258.7	6.2	13.5	28.9	23.3	17.8	6.7	3.5	0.0	0.1	0.0
	06/22/07	--	1,530	465.6	5.1	20.7	30.2	29.6	11.9	2.5	0.0	0.0	0.0	0.0
	07/02/08	--	886	269.6	2.6	24.0	41.5	20.9	7.4	2.6	1.0	0.0	0.0	0.0
	10/06/09	--	671	204.2	--	9.1	37.3	41.6	9.4	2.3	0.1	0.0	0.1	0.1

**Table 9. Summary of Vapor Sample Analyses for Individual SVE Wells
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	PID Readings	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ppm)	(ug/L)	(ppmv) ^(a)	(%)									
MPE-37	08/03/03	90.7	2,050	623.8	0.0	16.9	32.1	30.7	9.7	3.7	3.3	1.9	1.5	0.2
	12/22/04	--	1,480	450.4	0.2	10.3	31.7	42.1	12.8	2.3	0.3	0.3	0.0	0.0
	05/10/06	--	660	200.8	5.0	13.5	29.7	22.6	19.3	8.0	1.9	0.0	0.0	0.0
	06/22/07	--	770	234.3	1.1	9.0	27.2	38.4	18.8	5.2	0.3	0.0	0.0	0.0
	07/02/08	--	558	169.8	5.0	17.3	34.7	31.2	8.3	1.8	1.7	0.0	0.0	0.0
	10/06/09	--	727	221.2	--	8.6	41.6	35.2	11.3	2.6	0.1	0.2	0.2	0.2
SVE-22	08/03/03	8.7	336	102.2	0.0	3.3	21.2	48.2	22.3	3.8	1.2	0.0	0.0	0.0
	06/22/07	--	118	35.9	0.7	5.6	18.8	32.7	24.6	13.3	4.1	0.2	0.0	0.0
	10/06/09	--	1,420	432.1	--	9.4	39.1	41.3	4.2	5.1	0.0	0.0	0.0	0.9
SVE-23	08/03/03	8.4	53	16.2	0.0	4.2	25.2	41.5	19.0	7.3	2.5	0.1	0.2	0.0
	12/22/04	--	433	131.8	1.9	13.7	39.3	30.7	11.9	1.4	0.0	0.9	0.2	0.0
	05/10/06	--	716	217.9	4.1	8.7	26.8	37.8	16.3	3.9	2.4	0.0	0.0	0.0
	06/22/07	--	5.6	1.7	0.0	1.1	4.3	10.0	27.7	35.6	14.5	5.9	0.8	0.1
	10/06/09	--	1,100	334.7	--	7.1	34.8	41.9	9.2	6.1	0.1	0.1	0.0	0.7
SVE-24	08/03/03	4.7	17	5.1	0.0	1.0	8.8	32.6	30.1	20.0	7.5	0.0	0.0	0.0
	12/22/04	--	780	237.4	1.4	11.2	32.0	43.9	10.0	1.2	0.0	0.2	0.1	0.0
	05/10/06	--	812	247.1	5.6	1.6	21.0	44.6	23.6	2.4	1.2	0.0	0.0	0.0
	06/22/07	--	5.8	1.8	0.0	0.0	3.2	10.8	24.9	39.0	16.6	4.6	0.9	0.0
	10/06/09	--	962	292.7	--	8.3	39.3	37.8	5.4	7.9	0.1	0.1	0.1	1.0
SVE-25	08/03/03	62.1	1,270	386.5	0.0	12.7	31.2	36.7	15.0	4.0	0.4	0.0	0.0	0.0
	12/22/04	--	309	94.0	0.8	9.5	29.5	45.0	12.7	2.2	0.0	0.2	0.1	0.0
	05/10/06	--	161	49.0	5.5	10.7	14.4	35.4	20.0	11.0	2.9	0.1	0.0	0.0
	06/22/07	--	5.6	1.7	1.5	3.7	3.9	31.9	16.3	19.0	21.1	2.2	0.4	0.0
	07/02/08	--	157	47.8	1.3	10.1	30.5	46.8	9.4	1.3	0.6	0.0	0.0	0.0
	10/06/09	--	1,440	438.2	--	9.1	41.8	39.7	8.3	1.0	0.1	0.0	0.0	0.0

**Table 9. Summary of Vapor Sample Analyses for Individual SVE Wells
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	PID Readings	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ppm)	(ug/L)	(ppmv) ^(a)	(%)									
SVE-26	08/03/03	51.5	880	267.8	0.0	12.6	31.1	36.9	15.0	4.0	0.4	0.0	0.0	0.0
	06/22/07	--	85.8	26.1	0.7	5.7	18.8	32.7	23.5	13.7	4.7	0.2	0.0	0.0
	07/02/08	--	1,340	407.8	1.0	8.4	31.3	37.2	16.3	4.8	1.0	0.0	0.0	0.0
	10/06/09	--	1,420	432.1	--	10.1	46.2	34.4	5.9	3.0	0.1	0.0	0.1	0.2
SVE-27	08/03/03	73.0	1,800	547.7	0.0	13.5	29.2	37.5	13.3	3.3	0.9	0.8	1.4	0.1
	12/22/04	--	215	65.4	1.1	10.8	33.0	31.5	17.7	4.9	0.0	0.7	0.3	0.0
	05/10/06	--	128	39.0	6.5	10.5	14.2	36.0	19.0	10.0	3.8	0.0	0.0	0.0
	06/22/07	--	5.2	1.6	0.0	0.4	4.2	16.6	25.6	31.4	16.6	4.3	0.7	0.2
	07/02/08	--	97.8	29.8	1.1	9.3	28.7	47.5	10.3	1.9	1.2	0.0	0.0	0.0
	10/06/09	--	1,970	599.5	--	9.4	42.3	41.6	4.4	2.3	0.0	0.0	0.0	0.0
SVE-28	08/03/03	78.8	1,690	514.3	0.0	17.3	34.7	34.0	10.9	2.7	0.4	0.0	0.0	0.0
	12/22/04	--	132	40.2	0.2	9.0	26.1	45.9	13.7	4.1	0.0	0.9	0.1	0.0
	05/10/06	--	88	26.8	7.8	10.0	23.7	32.2	14.1	6.5	5.7	0.0	0.0	0.0
	06/22/07	--	5.6	1.7	0.0	0.7	7.0	19.0	24.3	26.1	17.6	4.4	0.7	0.2
	07/02/08	--	631	192.0	0.7	5.7	21.9	40.8	27.1	3.4	0.4	0.0	0.0	0.0
	10/06/09	--	2,780	846.0	--	10.5	45.1	38.6	4.9	0.9	0.0	0.0	0.0	0.0
SVE-30	08/03/03	75.9	734	223.4	0.0	13.9	26.2	35.4	18.2	5.7	0.6	0.0	0.0	0.0
	12/22/04	--	239	72.7	1.5	11.3	34.4	30.8	17.2	4.2	0.0	0.6	0.0	0.0
	05/10/06	--	141	42.9	6.0	10.5	25.3	32.2	15.3	7.1	3.5	0.1	0.0	0.0
	06/22/07	--	6.6	2.0	0.0	4.1	12.8	23.4	19.5	22.1	15.3	2.4	0.4	0.0
	07/02/08	--	117	35.6	1.2	9.7	29.5	47.3	10.0	1.5	0.8	0.0	0.0	0.0
	10/06/09	--	1,770	538.6	--	8.1	37.4	40.9	9.1	4.3	0.1	0.0	0.0	0.1

**Table 9. Summary of Vapor Sample Analyses for Individual SVE Wells
Compressor Station No. 9 - Roswell, NM**

Sample ID	Date	PID Readings	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ppm)	(ug/L)	(ppmv) ^(a)	(%)									
SVE-31	08/03/03	78.8	1,470	447.3	0.0	18.0	32.6	33.3	12.1	3.5	0.5	0.0	0.0	0.0
	06/22/07	--	6.0	1.8	0.0	1.4	9.3	37.0	16.4	14.4	18.4	2.4	0.7	0.0
	07/02/08	--	796	242.2	0.9	8.0	30.2	37.0	16.7	5.4	1.8	0.0	0.0	0.0
	10/06/09	--	2,240	681.6	--	9.5	43.4	39.9	5.8	1.3	0.0	0.0	0.0	0.1
(a) Conversion Factor: $P = 1.00 \text{ atm}$, $MW = 79 \text{ g/mole}$, $R = 0.08205 \text{ L*atm/(K*mole)}$, $T = 293^{\circ}\text{K}$ $C \text{ ppmv} = C \text{ ug/L} * ((R * T)/(MW * P))$ $C \text{ ppmv} = C \text{ ug/L} * 0.3043$														

**Table 10. Summary of Water Treatment System Analyses
Compressor Station No. 9 - Roswell, NM**

Sample Point	Sampling Date	BTEX (ug/L)				TPH (mg/L)	Other VOCs (ug/L)			Major Ions (mg/L)								
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	GRO (Gasoline Range)	Acetone	2-Butanone	All Others	Phosphorus (As P)	Chloride	Sulfate	Nitrate (NO3 as N)	Fluoride	Calcium	Magnesium	Potassium	Sodium
NMWQCC Standard:		10	750	750	620	none	none	none	NA	none	250	600	10.0	1.6	none	none	none	none
Post-Treatment	09/29/03	2,600	8,200	450	3,500	—	< 2500	< 2500	ND	—	430	780	< 0.1	1.2	520	140	4.3	340
	11/21/03	810	310	41	290	—	—	—	—	—	—	—	—	—	—	—	—	—
	12/08/03	< 0.5	< 0.5	< 0.5	< 0.5	—	—	—	—	—	—	—	—	—	—	—	—	—
	12/16/03	< 1.0	< 1.0	< 1.0	< 1.0	—	< 25	< 25	ND	< 0.5	450	880	< 0.1	1.5	310	99	2.6	190
	03/02/04	2.6	< 1.0	< 1.0	< 1.0	—	200	59	ND	< 2.5	410	760	< 0.5	1.7	320	110	2.3	190
	04/19/04	< 1.0	< 1.0	< 1.0	< 1.0	< 0.05	140	32	ND	< 0.5	410	1,000	< 0.1	1.7	470	130	2.7	200
	05/20/04	2.1	< 1.0	< 1.0	< 1.0	0.06	50	20	—	< 0.5	410	1,000	< 0.1	1.7	370	120	2.5	190
	07/13/04	< 1.0	< 1.0	< 1.0	< 1.0	—	13	< 10	ND	< 0.5	400	1,100	1.1	2.1	410	110	2.1	180
	08/17/04	< 1.0	< 1.0	< 1.0	< 1.0	—	72	< 10	ND	< 0.5	380	1,100	< 0.1	2.6	430	130	2.7	200
	09/16/04	< 1.0	< 1.0	< 1.0	< 1.0	—	61	< 10	ND	< 0.5	400	910	< 0.1	1.9	380	120	2.2	190
	10/15/04	< 1.0	< 1.0	< 1.0	< 1.0	—	< 10	< 10	ND	< 0.5	390	770	< 0.1	1.6	310	97	2.2	180
	11/15/04	< 1.0	< 1.0	< 1.0	< 1.0	—	36	< 10	ND	< 0.5	420	870	< 0.1	1.7	370	110	2.2	190
	04/22/05	< 1.0	< 1.0	< 1.0	< 1.0	< 0.05	70	62	ND	< 2.5	500	1,200	< 0.5	2.1	500	150	2.8	190
	05/20/05	37	6.6	< 1.0	< 1.0	0.29	100	99	ND	1.4	400	430	< 0.5	2.1	400	120	2.9	190
	07/15/05	< 1.0	< 1.0	< 1.0	< 1.0	< 0.05	< 10	< 10	ND	< 0.5	420	1,000	< 0.1	1.8	400	120	2.3	190
	08/22/05	< 1.0	< 1.0	< 1.0	< 1.0	< 0.05	< 10	< 10	ND	< 0.5	400	1,200	< 0.1	1.8	410	110	2.4	180
	03/13/06	< 1.0	< 1.0	< 1.0	< 3.0	0.072	93	82	ND	< 0.5	390	1,100	< 0.1	1.6	470	130	2.5	200
	04/17/06	< 1.0	< 1.0	< 1.0	< 3.0	< 0.05	100	< 10	ND	< 0.5	380	1,100	< 0.1	1.4	400	140	2.5	220
	05/18/06	< 1.0	< 1.0	< 1.0	< 3.0	< 0.05	110	27	ND	< 0.5	370	1,200	< 0.5	1.6	430	130	2.2	190
	06/21/06	< 1.0	< 1.0	< 1.0	< 3.0	< 0.05	79	30	ND	< 0.5	390	1,200	< 0.1	1.7	420	140	2.6	210
	07/31/06	< 1.0	< 1.0	< 1.0	< 3.0	< 0.05	< 10	< 10	ND	< 2.5	410	1,100	< 0.5	1.4	450	140	2.4	200
	08/31/06	< 1.0	< 1.0	< 1.0	< 3.0	< 0.05	< 10	< 10	ND	< 0.5	480	970	< 0.5	1.6	380	130	2.2	210
	09/13/06	< 1.0	< 1.0	< 1.0	< 3.0	< 0.05	< 10	< 10	ND	< 0.5	380	1,300	0.35	1.3	470	150	2.4	210
	10/17/06	< 1.0	< 1.0	< 1.0	< 3.0	< 0.05	< 10	< 10	ND	< 0.5	410	1,400	< 0.5	1.6	460	140	2.6	200
	11/09/06	< 1.0	< 1.0	< 1.0	< 3.0	< 0.05	< 10	< 10	ND	< 0.5	370	1,300	< 1.0	1.4	440	150	4.5	210

**Table 10. Summary of Water Treatment System Analyses
Compressor Station No. 9 - Roswell, NM**

Sample Point	Sampling Date	BTEX (ug/L)				TPH (mg/L)	Other VOCs (ug/L)			Major Ions (mg/L)								
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	GRO (Gasoline Range)	Acetone	2-Butanone	All Others	Phosphorus (As P)	Chloride	Sulfate	Nitrate (NO3 as N)	Fluoride	Calcium	Magnesium	Potassium	Sodium
NMWQCC Standard:		10	750	750	620	none	none	none	NA	none	250	600	10.0	1.6	none	none	none	none
	04/24/07	< 1.0	< 1.0	< 1.0	< 1.5	< 0.05	< 10	< 10	ND	< 0.5	440	1,100	< 0.5	1.6	410	130	1.9	190
	05/30/07	< 1.0	< 1.0	< 1.0	< 1.5	< 0.05	< 10	< 10	ND	< 0.5	410	1,300	< 0.2	1.6	460	130	2.7	200
	07/31/07	< 1.0	< 1.0	< 1.0	< 1.5	< 0.05	< 10	< 10	ND	< 2.5	420	1,000	< 1.0	1.8	400	130	2.1	220
	08/21/07	< 1.0	< 1.0	< 1.0	< 1.5	< 0.05	110	< 10	ND	0.92	440	880	< 2.0	1.4	380	140	2.4	230
	11/20/07	< 1.0	< 1.0	< 1.0	< 1.5	< 0.05	< 10	< 10	ND	< 0.5	450	1,400	< 1.1	2.0	370	130	2.9	220
	06/15/08	< 1.0	< 1.0	< 1.0	< 1.5	< 0.05	39	< 10	ND	< 0.5	430	1,400	< 1.1	1.7	570	160	2.8	240
	07/28/08	< 1.0	< 1.0	< 1.0	< 1.5	< 0.05	< 10	< 10	ND	< 0.5	430	1,400	< 1.1	1.8	500	150	2.7	220
	08/14/08	< 1.0	< 1.0	< 1.0	< 1.5	< 0.05	< 10	< 10	ND	< 0.5	450	1,200	< 2.1	1.8	420	140	3.6	220
	09/29/08	< 1.0	< 1.0	< 1.0	< 2.0	< 0.05	44	< 10	ND	< 0.5	420	1,500	0.27	1.6	526	141	54.7	203
	11/05/08	< 1.0	< 1.0	< 1.0	< 2.0	< 0.05	46	< 10	ND	< 0.5	410	1,200	< 1.0	1.8	460	130	< 10	210
	05/25/09	< 1.0	< 1.0	< 1.0	< 1.5	< 0.05	49	< 10	ND	< 0.5	430	1,600	< 1.0	1.3	490	130	2.7	200
	06/22/09	< 1.0	< 1.0	< 1.0	< 1.5	—	70	< 10	ND	< 0.5	440	1,200	< 5.0	1.5	430	130	2.6	200
	07/21/09	< 1.0	< 1.0	< 1.0	< 1.5	—	13	< 10	ND	< 0.5	480	1,500	< 2.0	1.7	470	140	3.1	210
	08/24/09	< 1.0	< 1.0	< 1.0	< 1.5	—	13	16	ND	< 0.5	74	110	< 2.0	2.1	510	140	3.1	210
	09/28/09	< 1.0	< 1.0	< 1.0	< 1.5	—	19	14	ND	< 0.5	430	1,200	< 1.0	1.6	370	120	2.8	210
	10/29/09	< 1.0	< 1.0	< 1.0	< 1.5	—	20	15	ND	< 0.5	440	1,500	< 0.5	1.8	440	130	3.1	200
	11/18/09	4.8	1.3	< 1.0	< 1.5	—	24	18	ND	< 0.5	430	1,600	< 2.0	2.1	490	140	3.4	200
	06/30/10	5.6	< 1.0	< 1.0	< 1.5	—	110	17	ND	< 0.5	420	910	< 1.0	1.7	330	120	2.8	210
	07/31/10	< 1.0	< 1.0	< 1.0	< 1.5	—	< 10	< 10	ND	< 0.5	410	1,100	< 1.0	1.1	420	130	5.3	200
	08/30/10	< 1.0	< 1.0	< 1.0	< 1.5	—	60	< 10	ND	< 0.5	460	1,600	< 2.0	1.2	500	150	2.8	210
	11/10/10	< 1.0	< 1.0	< 1.0	< 1.5	—	< 10	< 10	ND	1.1	480	1,300	< 2.0	1.0	430	130	3.1	220
	08/10/11	< 1.0	< 1.0	< 1.0	< 1.5	—	< 10	< 10	ND	< 10	490	1,600	< 0.1	1.1	500	150	3.7	230
	10/09/11	< 1.0	< 1.0	< 1.0	< 1.5	—	< 10	< 10	ND	< 0.5	430	1,400	1.4	1.5	490	160	2.8	220
	11/03/11	< 1.0	< 1.0	< 1.0	< 1.5	—	41	< 10	ND	< 0.5	400	1,500	< 0.1	1.4	520	140	2.6	210

**Table 10. Summary of Water Treatment System Analyses
Compressor Station No. 9 - Roswell, NM**

Sample Point	Sampling Date	BTEX (ug/L)				TPH (mg/L)	Other VOCs (ug/L)			Major Ions (mg/L)								
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	GRO (Gasoline Range)	Acetone	2-Butanone	All Others	Phosphorus (As P)	Chloride	Sulfate	Nitrate (NO3 as N)	Fluoride	Calcium	Magnesium	Potassium	Sodium
NMWQCC Standard:		10	750	750	620	none	none	none	NA	none	250	600	10.0	1.6	none	none	none	none
Between GACs	04/19/04	7.3	< 1.0	< 1.0	< 1.0	0.11	--	--	--	--	--	--	--	--	--	--	--	--
	05/20/04	28	1.6	< 1.0	< 1.0	0.32	48	25	--	--	--	--	--	--	--	--	--	--
	07/13/04	< 0.5	< 0.5	< 0.5	< 0.5	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/04	< 0.5	< 0.5	< 0.5	< 0.5	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/04	< 0.5	< 0.5	< 0.5	< 0.5	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	10/15/04	< 0.5	< 0.5	< 0.5	< 0.5	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	11/15/04	0.51	< 0.5	< 0.5	< 0.5	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	04/22/05	37	8.2	0.54	2.4	0.27	--	--	--	--	--	--	--	--	--	--	--	--
	05/20/05	22.00	< 8.7	< 0.5	< 1.8	0.11	--	--	--	--	--	--	--	--	--	--	--	--
	07/15/05	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/05	0.62	< 0.5	< 0.5	< 0.5	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	03/13/06	16	12	< 1.0	4.1	0.51	--	--	--	--	--	--	--	--	--	--	--	--
	04/17/06	< 1	< 1	< 1	< 1	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	05/18/06	< 1	< 1	< 1	< 3	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	06/21/06	1.1	1.3	< 1	< 3	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	07/31/06	1.6	< 1	< 1	< 3	0.076	--	--	--	--	--	--	--	--	--	--	--	--
	08/31/06	< 1	< 1	< 1	< 3	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	09/13/06	< 1	< 1	< 1	< 3	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	10/17/06	4.2	3.4	< 1	< 3	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	11/09/06	3.2	1.3	< 1	< 3	0.076	--	--	--	--	--	--	--	--	--	--	--	--
	04/24/07	1.1	< 1	< 1	< 2	0.120	--	--	--	--	--	--	--	--	--	--	--	--
	05/30/07	< 1	< 1	< 1	< 2	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	07/31/07	< 1.0	< 1.0	< 1.0	< 2.0	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	08/21/07	< 1.0	< 1.0	< 1.0	< 2.0	0.067	--	--	--	--	--	--	--	--	--	--	--	--
	11/20/07	< 1.0	< 1.0	< 1.0	< 2.0	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	06/15/08	26	76	1.8	74	0.47	--	--	--	--	--	--	--	--	--	--	--	--
	07/28/08	< 1.0	< 1.0	< 1.0	< 2.0	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	08/14/08	< 1.0	< 1.0	< 1.0	< 2.0	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	09/29/08	< 1.0	< 1.0	< 1.0	< 2.0	< 0.05	--	--	--	--	--	--	--	--	--	--	--	--
	11/05/08	48	54	3.3	38	0.36	--	--	--	--	--	--	--	--	--	--	--	--
	05/25/09	9.2	19	< 1.0	22	0.19	--	--	--	--	--	--	--	--	--	--	--	--
	06/22/09	350	570	16	210	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/21/09	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/24/09	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--

**Table 10. Summary of Water Treatment System Analyses
Compressor Station No. 9 - Roswell, NM**

Sample Point	Sampling Date	BTEX (ug/L)				TPH (mg/L)	Other VOCs (ug/L)			Major Ions (mg/L)								
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	GRO (Gasoline Range)	Acetone	2-Butanone	All Others	Phosphorus (As P)	Chloride	Sulfate	Nitrate (NO3 as N)	Fluoride	Calcium	Magnesium	Potassium	Sodium
NMWQCC Standard:		10	750	750	620	none	none	none	NA	none	250	600	10.0	1.6	none	none	none	none
	09/28/09	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/29/09	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/09	9.3	3.3	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/10	2.1	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/31/10	200	200	12	150	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/30/10	300	440	22	280	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/10	< 1.0	< 1.0	< 1.0	< 3.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/10/11	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/09/11	3.2	1.6	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/03/11	2.8	1.6	< 1.0	< 2.0	--	--	--	--	--	--	--	--	--	--	--	--	--

**Table 10. Summary of Water Treatment System Analyses
Compressor Station No. 9 - Roswell, NM**

Sample Point	Sampling Date	BTEX (ug/L)				TPH (mg/L)	Other VOCs (ug/L)			Major Ions (mg/L)								
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	GRO (Gasoline Range)	Acetone	2-Butanone	All Others	Phosphorus (As P)	Chloride	Sulfate	Nitrate (NO3 as N)	Fluoride	Calcium	Magnesium	Potassium	Sodium
NMWQCC Standard:		10	750	750	620	none	none	none	NA	none	250	600	10.0	1.6	none	none	none	none
Post-Air Stripper	04/19/04	180	220	< 10	140	7.5	--	--	ND	--	--	--	--	--	--	--	--	--
	05/20/04	54	81	2.6	42	1.0	34	< 10	--	--	--	--	--	--	--	--	--	--
	07/13/04	9.4	13.0	2.1	7.6	0.82	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/04	3.9	7.7	< 0.5	6.4	0.46	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/04	4.6	6.9	< 1.0	4.3	0.23	--	--	--	--	--	--	--	--	--	--	--	--
	10/15/04	760	760	26	250	0.23	--	--	--	--	--	--	--	--	--	--	--	--
	11/15/04	86	100	5	57	1.7	--	--	--	--	--	--	--	--	--	--	--	--
	04/22/05	850	710	< 5.0	240	4.0	--	--	--	--	--	--	--	--	--	--	--	--
	05/20/05	370	380	5	130	1.5	--	--	--	--	--	--	--	--	--	--	--	--
	07/15/05	620	710	17	220	2.5	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/05	23	37	5.1	20	0.83	--	--	--	--	--	--	--	--	--	--	--	--
	03/13/06	96	160	8.2	81	6.60	--	--	--	--	--	--	--	--	--	--	--	--
	04/17/06	43	91	7.7	46	0.73	--	--	--	--	--	--	--	--	--	--	--	--
	05/18/06	35	70	< 5.0	35	0.83	--	--	--	--	--	--	--	--	--	--	--	--
	06/21/06	15	19	1.1	11	0.24	--	--	--	--	--	--	--	--	--	--	--	--
	07/31/06	38	55	2.9	29	0.78	--	--	--	--	--	--	--	--	--	--	--	--
	08/31/06	63	79	3.3	43	1.30	--	--	--	--	--	--	--	--	--	--	--	--
	09/13/06	71	120	2.8	54	1.10	--	--	--	--	--	--	--	--	--	--	--	--
	10/17/06	37	70	2.4	32	0.42	--	--	--	--	--	--	--	--	--	--	--	--
	11/09/06	38	88	< 2.0	46	0.63	--	--	--	--	--	--	--	--	--	--	--	--
	04/24/07	33	55	< 2.0	30	0.60	--	--	--	--	--	--	--	--	--	--	--	--
	05/30/07	< 1.0	1.1	< 1.0	< 2.0	0.37	--	--	--	--	--	--	--	--	--	--	--	--
	07/31/07	4.4	8.6	< 1.0	5.1	0.15	--	--	--	--	--	--	--	--	--	--	--	--
	08/21/07	3.6	3.8	< 1.0	3.7	0.11	--	--	--	--	--	--	--	--	--	--	--	--
	11/20/07	75	1.6	9.5	38	0.45	--	--	--	--	--	--	--	--	--	--	--	--
	06/15/08	83	470	20	620	2.6	--	--	--	--	--	--	--	--	--	--	--	--
	07/28/08	32	74	9.6	170	0.88	--	--	--	--	--	--	--	--	--	--	--	--
	08/14/08	32	< 5.0	< 5.0	110	0.59	--	--	--	--	--	--	--	--	--	--	--	--
	09/29/08	650	1,600	71	970	8.1	--	--	--	--	--	--	--	--	--	--	--	--
	11/05/08	1,100	1,300	97	1,000	8.2	--	--	--	--	--	--	--	--	--	--	--	--
	05/25/09	260	680	33	790	5.3	--	--	--	--	--	--	--	--	--	--	--	--
	06/22/09	960	1,600	63	830	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/21/09	280	500	< 20	280	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/24/09	230	350	13	220	--	--	--	--	--	--	--	--	--	--	--	--	--

**Table 10. Summary of Water Treatment System Analyses
Compressor Station No. 9 - Roswell, NM**

Sample Point	Sampling Date	BTEX (ug/L)				TPH (mg/L)	Other VOCs (ug/L)			Major Ions (mg/L)								
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	GRO (Gasoline Range)	Acetone	2-Butanone	All Others	Phosphorus (As P)	Chloride	Sulfate	Nitrate (NO3 as N)	Fluoride	Calcium	Magnesium	Potassium	Sodium
NMWQCC Standard:		10	750	750	620	none	none	none	NA	none	250	600	10.0	1.6	none	none	none	none
	09/28/09	290	72	19	240	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/29/09	450	670	42	430	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/09	200	470	18	300	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/30/10	450	460	13	250	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/31/10	190	200	11	140	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/30/10	450	660	31	450	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/10	59	97	< 10	65	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/10/11	1.4	2.7	< 1	3.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/09/11	21	37	2.0	22	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/03/11	30	66	3.4	47	--	--	--	--	--	--	--	--	--	--	--	--	--

**Table 10. Summary of Water Treatment System Analyses
Compressor Station No. 9 - Roswell, NM**

Sample Point	Sampling Date	BTEX (ug/L)				TPH (mg/L)	Other VOCs (ug/L)			Major Ions (mg/L)								
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	GRO (Gasoline Range)	Acetone	2-Butanone	All Others	Phosphorus (As P)	Chloride	Sulfate	Nitrate (NO3 as N)	Fluoride	Calcium	Magnesium	Potassium	Sodium
NMWQCC Standard:		10	750	750	620	none	none	none	NA	none	250	600	10.0	1.6	none	none	none	none
Pre-Treatment	07/13/04	6,900	8,500	280	2,600	37	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/04	6,000	7,600	240	2,400	37	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/04	6,200	8,100	360	2,600	37	--	--	--	--	--	--	--	--	--	--	--	--
	10/15/04	4,000	4,400	220	1,700	26	--	--	--	--	--	--	--	--	--	--	--	--
	11/15/04	6,600	7,800	300	2,600	37	--	--	--	--	--	--	--	--	--	--	--	--
	04/22/05	4,200	4,100	81	2,200	25	--	--	--	--	--	--	--	--	--	--	--	--
	05/20/05	3,400	2,700	160	2,000	29	--	--	--	--	--	--	--	--	--	--	--	--
	07/15/05	4,800	5,900	260	2,300	25	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/05	6,200	7,700	250	2,600	35	--	--	--	--	--	--	--	--	--	--	--	--
	03/13/06	4,300	6,500	270	2,600	38	--	--	--	--	--	--	--	--	--	--	--	--
	04/17/06	4,900	8,800	310	2,900	30	--	--	--	--	--	--	--	--	--	--	--	--
	05/18/06	4,700	8,000	< 250	2,900	44	--	--	--	--	--	--	--	--	--	--	--	--
	06/21/06	3,800	4,900	200	2,600	22	--	--	--	--	--	--	--	--	--	--	--	--
	07/31/06	5,400	7,600	290	3,100	45	--	--	--	--	--	--	--	--	--	--	--	--
	08/31/06	4,200	5,200	190	2,300	44	--	--	--	--	--	--	--	--	--	--	--	--
	09/13/06	5,100	8,400	160	3,300	42	--	--	--	--	--	--	--	--	--	--	--	--
	10/17/06	3,900	6,900	130	2,700	26	--	--	--	--	--	--	--	--	--	--	--	--
	11/09/06	7,800	24,000	400	7,200	80	--	--	--	--	--	--	--	--	--	--	--	--
	04/24/07	5,200	8,800	200	3,400	47	--	--	--	--	--	--	--	--	--	--	--	--
	05/30/07	4,400	6,700	< 100	3,800	46	--	--	--	--	--	--	--	--	--	--	--	--
	07/31/07	3,800	7,000	340	3,000	39	--	--	--	--	--	--	--	--	--	--	--	--
	08/21/07	3,500	3,400	340	2,800	30	--	--	--	--	--	--	--	--	--	--	--	--
	11/20/07	1,700	81	260	900	14	--	--	--	--	--	--	--	--	--	--	--	--
	06/15/08	440	2,200	150	2,900	15	--	--	--	--	--	--	--	--	--	--	--	--
	07/28/08	490	990	140	2,300	12	--	--	--	--	--	--	--	--	--	--	--	--
	08/14/08	370	< 20	110	1,300	7	--	--	--	--	--	--	--	--	--	--	--	--
	09/29/08	1,600	4,000	130	2,300	22	--	--	--	--	--	--	--	--	--	--	--	--
	11/05/08	3,200	3,700	280	2,600	24	--	--	--	--	--	--	--	--	--	--	--	--
	05/25/09	640	1,700	99	1,900	15	--	--	--	--	--	--	--	--	--	--	--	--
	06/22/09	2,700	4,500	210	2,400	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/21/09	2,500	4,600	210	2,600	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/24/09	2,700	4,000	200	2,500	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/28/09	2,900	910	220	2,200	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/29/09	3,000	4,100	280	2,700	--	--	--	--	--	--	--	--	--	--	--	--	--

**Table 10. Summary of Water Treatment System Analyses
Compressor Station No. 9 - Roswell, NM**

Sample Point	Sampling Date	BTEX (ug/L)				TPH (mg/L)	Other VOCs (ug/L)			Major Ions (mg/L)								
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	GRO (Gasoline Range)	Acetone	2-Butanone	All Others	Phosphorus (As P)	Chloride	Sulfate	Nitrate (NO3 as N)	Fluoride	Calcium	Magnesium	Potassium	Sodium
NMWQCC Standard:		10	750	750	620	none	none	none	NA	none	250	600	10.0	1.6	none	none	none	none
	11/18/09	1,400	3,300	140	2,000	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/30/10	2,700	2,800	120	1,500	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/31/10	1,900	2,000	140	1,300	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/30/10	1,800	2,600	150	1,800	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/10/10	2,400	3,900	220	2,100	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/10/11	970	1,900	130	1,400	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/09/11	3,000	4,800	240	2,500	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/03/11	2,400	4,900	260	2,800	--	---	---	---	---	---	---	---	---	---	---	---	---

NOTES:

Only constituents detected in one or more groundwater samples are shown in this table

All results reported above the NMWQCC standard are shown in bold type

(—) A result for this constituent is not available

(a) Analyte present in method blank

**Table 11. Summary of Water Recovery and Water Irrigation Rates
TWP Roswell Compressor Station Remediation Site**

Date	Time	Inspector	Meter reading (gallons)	Irrigated Volume (gallons)	Cummulative Irrigated Volume (gallons)	Elapsed Time (days)	Cummulative Elapsed Time (days)	Average Recovery Rate (GPD)	Average Recovery Rate (GPM)	Reporting Month	Monthly Irrigation Volume (gallons)	Average Irrigation Rate for Reporting Month (GPD)
12/31/03	1200	NA	139500	0	0	0	0	--	--			
01/11/04	1200	CB	139500	0	0	0	0	--	--			
01/12/04	1200	CB	141300	1,800	1,800	1.0	1.0	1800	1.25			
01/14/04	1200	CB	145900	4,600	6,400	2.0	3.0	2300	1.60			
01/31/04	1200	NA	145900	0	6,400	17.0	20.0	0	0.00	January	6400	206
02/09/04	1200	CB	147600	1,700	8,100	9.0	29.0	189	0.13			
02/17/04	1200	CB	148600	1,000	9,100	8.0	37.0	125	0.09			
02/18/04	1200	CB	150100	1,500	10,600	1.0	38.0	1500	1.04			
02/19/04	1200	CB	153500	3,400	14,000	1.0	39.0	3400	2.36			
02/20/04	1200	CB	153800	300	14,300	1.0	40.0	300	0.21			
02/21/04	1200	CB	157100	3,300	17,600	1.0	41.0	3300	2.29			
02/23/04	1200	CB	161100	4,000	21,600	2.0	43.0	2000	1.39			
02/26/04	1200	CB	162000	900	22,500	3.0	46.0	300	0.21			
02/29/04	1200	NA	162000	0	22,500	3.0	49.0	0	0.00	February	16100	555
03/02/04	1200	CB	164800	2,800	25,300	2.0	51.0	1400	0.97			
03/04/04	1200	CB	171700	6,900	32,200	2.0	53.0	3450	2.40			
03/31/04	1200	NA	171700	0	32,200	27.0	80.0	0	0.00	March	9700	313
04/15/04	1200	CB	174400	2,700	34,900	15.0	95.0	180	0.13			
04/16/04	1200	CB	176100	1,700	36,600	1.0	96.0	1700	1.18			
04/17/04	1200	CB	177900	1,800	38,400	1.0	97.0	1800	1.25			
04/18/04	1200	CB	178900	1,000	39,400	1.0	98.0	1000	0.69			
04/19/04	1200	CB	180400	1,500	40,900	1.0	99.0	1500	1.04			
04/20/04	1200	CB	181700	1,300	42,200	1.0	100.0	1300	0.90			
04/21/04	1200	CB	183400	1,700	43,900	1.0	101.0	1700	1.18			
04/24/04	1200	CB	186000	2,600	46,500	3.0	104.0	867	0.60			
04/26/04	1200	CB	189000	3,000	49,500	2.0	106.0	1500	1.04			
04/28/04	1200	CB	193600	4,600	54,100	2.0	108.0	2300	1.60			
04/30/04	1200	CB	199000	5,400	59,500	2.0	110.0	2700	1.88	April	27300	910
05/01/04	1200	CB	201400	2,400	61,900	1.0	111.0	2400	1.67			
05/04/04	1200	CB	207000	5,600	67,500	3.0	114.0	1867	1.30			
05/05/04	1200	CB	209900	2,900	70,400	1.0	115.0	2900	2.01			
05/07/04	1200	CB	214100	4,200	74,600	2.0	117.0	2100	1.46			
05/08/04	1200	CB	214200	100	74,700	1.0	118.0	100	0.07			
05/10/04	1200	CB	214300	100	74,800	2.0	120.0	50	0.03			
05/12/04	1200	CB	216300	2,000	76,800	2.0	122.0	1000	0.69			
05/15/04	1200	CB	223500	7,200	84,000	3.0	125.0	2400	1.67			
05/18/04	1200	CB	223800	300	84,300	3.0	128.0	100	0.07			
05/19/04	1200	CB	226300	2,500	86,800	1.0	129.0	2500	1.74			
05/20/04	1200	CB	227700	1,400	88,200	1.0	130.0	1400	0.97			
05/23/04	1200	CB	227900	200	88,400	3.0	133.0	67	0.05			
05/24/04	1200	CB	230300	2,400	90,800	1.0	134.0	2400	1.67	May	31300	1304

**Table 11. Summary of Water Recovery and Water Irrigation Rates
TWP Roswell Compressor Station Remediation Site**

Date	Time	Inspector	Meter reading (gallons)	Irrigated Volume (gallons)	Cummulative Irrigated Volume (gallons)	Elapsed Time (days)	Cummulative Elapsed Time (days)	Average Recovery Rate (GPD)	Average Recovery Rate (GPM)	Reporting Month	Monthly Irrigation Volume (gallons)	Average Irrigation Rate for Reporting Month (GPD)
06/01/04	1200	CB	234900	4,600	95,400	8.0	142.0	575	0.40			
06/03/04	1200	CB	237300	2,400	97,800	1.0	143.0	2400	1.67			
06/04/04	1200	CB	238200	900	98,700	11.0	154.0	82	0.06			
06/23/04	1200	CB	240600	2,400	101,100	19.0	173.0	126	0.09			
06/24/04	1200	CB	242300	1,700	102,800	1.0	174.0	1700	1.18			
06/25/04	1200	CB	245300	3,000	105,800	1.0	175.0	3000	2.08			
06/26/04	1200	CB	247700	2,400	108,200	1.0	176.0	2400	1.67			
06/27/04	1200	CB	250700	3,000	111,200	1.0	177.0	3000	2.08			
06/28/04	1200	CB	250900	200	111,400	1.0	178.0	200	0.14	June	20600	589
07/04/04	1200	CB	253300	2,400	113,800	6.0	184.0	400	0.28			
07/06/04	1200	CB	259600	6,300	120,100	2.0	186.0	3150	2.19			
07/11/04	1200	CB	265900	6,300	126,400	5.0	191.0	1260	0.88			
07/13/04	1200	CB	268600	2,700	129,100	2.0	193.0	1350	0.94			
07/16/04	1200	CB	276400	7,800	136,900	3.0	196.0	2600	1.81			
07/21/04	1200	CB	278100	1,700	138,600	5.0	201.0	340	0.24			
07/24/04	1200	CB	286300	8,200	146,800	3.0	204.0	2733	1.90			
07/26/04	1200	CB	289700	3,400	150,200	2.0	206.0	1700	1.18			
07/28/04	1200	CB	292800	3,100	153,300	2.0	208.0	1550	1.08			
07/31/04	1200	CB	301000	8,200	161,500	3.0	211.0	2733	1.90	July	50100	1518
08/02/04	1200	CB	304700	3,700	165,200	2.0	213.0	1850	1.28			
08/05/04	1200	CB	309900	5,200	170,400	3.0	216.0	1733	1.20			
08/09/04	1200	CB	314600	4,700	175,100	4.0	220.0	1175	0.82			
08/12/04	1200	CB	316600	2,000	177,100	3.0	223.0	667	0.46			
08/14/04	1200	CB	317700	1,100	178,200	2.0	225.0	550	0.38			
08/17/04	1200	CB	319200	1,500	179,700	3.0	228.0	500	0.35	August	18200	1071
09/13/04	1200	CB	323900	4,700	184,400	27.0	255.0	174	0.12			
09/16/04	1200	CB	327900	4,000	188,400	3.0	258.0	1333	0.93			
09/19/04	1200	CB	334800	6,900	195,300	3.0	261.0	2300	1.60			
09/23/04	1200	CB	340900	6,100	201,400	4.0	265.0	1525	1.06			
09/26/04	1200	CB	346300	5,400	206,800	3.0	268.0	1800	1.25			
09/30/04	1200	CB	354400	8,100	214,900	4.0	272.0	2025	1.41	September	35200	800
10/03/04	1200	CB	354700	300	215,200	3.0	275.0	100	0.07			
10/06/04	1200	CB	357200	2,500	217,700	3.0	278.0	833	0.58			
10/09/04	1200	CB	363900	6,700	224,400	3.0	281.0	2233	1.55			
10/13/04	1200	CB	367100	3,200	227,600	4.0	285.0	800	0.56			
10/17/04	1200	CB	367500	400	228,000	4.0	289.0	100	0.07			
10/20/04	1200	CB	377600	10,100	238,100	3.0	292.0	3367	2.34			
10/27/04	1200	CB	385000	7,400	245,500	7.0	299.0	1057	0.73			
11/07/04	1200	CB	387500	2,500	248,000	11.0	310.0	227	0.16			
11/14/04	1200	CB	390600	3,100	251,100	7.0	317.0	443	0.31			
11/16/04	1200	CB	391000	400	251,500	2.0	319.0	200	0.14			
11/30/04	1200	CB	391000	0	251,500	14.0	333.0	0	0.00	November	36600	600

**Table 11. Summary of Water Recovery and Water Irrigation Rates
TWP Roswell Compressor Station Remediation Site**

Date	Time	Inspector	Meter reading (gallons)	Irrigated Volume (gallons)	Cummulative Irrigated Volume (gallons)	Elapsed Time (days)	Cummulative Elapsed Time (days)	Average Recovery Rate (GPD)	Average Recovery Rate (GPM)	Reporting Month	Monthly Irrigation Volume (gallons)	Average Irrigation Rate for Reporting Month (GPD)
03/08/05	1200	CB	391700	700	252,200	98.0	431.0	7	0.00			
03/14/05	1200	CB	405200	13,500	265,700	6.0	437.0	2250	1.56			
03/22/05	1200	CB	420600	15,400	281,100	8.0	445.0	1925	1.34			
03/24/05	1200	CB	429600	9,000	290,100	2.0	447.0	4500	3.13	March	38600	339
04/02/05	1200	CB	432600	3,000	293,100	9.0	456.0	333	0.23			
04/07/05	1200	CB	438800	6,200	299,300	5.0	461.0	1240	0.86			
04/07/05	1200	CB	7460 (a)	0	299,300	0.0	461.0	0	0.00			
04/10/05	1200	CB	16690	9,230	308,530	3.0	464.0	3077	2.14			
04/14/05	1200	CB	27580	10,890	319,420	4.0	468.0	2723	1.89			
04/27/05	1200	CB	41470	13,890	333,310	13.0	481.0	1068	0.74	April	43210	1271
05/02/05	1200	CB	56380	14,910	348,220	5.0	486.0	2982	2.07			
05/08/05	1200	CB	61640	5,260	353,480	6.0	492.0	877	0.61			
05/20/05	1200	CB	69270	7,630	361,110	12.0	504.0	636	0.44			
05/25/05	1200	CB	73550	4,280	365,390	5.0	509.0	856	0.59	May	32080	1146
06/09/05	1200	CB	75960	2,410	367,800	15.0	524.0	161	0.11			
06/14/05	1200	CB	76960	1,000	368,800	5.0	529.0	200	0.14			
06/24/05	1200	CB	78710	1,750	370,550	10.0	539.0	175	0.12			
06/27/05	1200	CB	81800	3,090	373,640	3.0	542.0	1030	0.72	June	8250	250
07/03/05	1200	CB	84900	3,100	376,740	6.0	548.0	517	0.36			
07/10/05	1200	CB	100830	15,930	392,670	7.0	555.0	2276	1.58			
07/15/05	1200	CB	111240	10,410	403,080	5.0	560.0	2082	1.45			
07/19/05	1200	CB	118110	6,870	409,950	4.0	564.0	1718	1.19			
07/26/05	1200	CB	125200	7,090	417,040	7.0	571.0	1013	0.70			
07/31/05	1200	CB	140340	15,140	432,180	5.0	576.0	3028	2.10	July	58540	1722
08/03/05	1200	CB	147630	7,290	439,470	3.0	579.0	2430	1.69			
08/09/05	1200	CB	160960	13,330	452,800	6.0	585.0	2222	1.54			
08/15/05	1200	CB	163940	2,980	455,780	6.0	591.0	497	0.34			
08/21/05	1200	CB	183950	20,010	475,790	6.0	597.0	3335	2.32			
08/29/05	1200	CB	198770	14,820	490,610	8.0	605.0	1853	1.29	August	58430	2015
10/18/05	1200	CB	200940	2,170	492,780	50.0	655.0	43	0.03			
10/24/05	1200	CB	207450	6,510	499,290	6.0	661.0	1085	0.75			
10/29/05	1200	CB	207920	470	499,760	5.0	666.0	94	0.07	October	9150	150
11/01/05	1200	CB	215990	8,070	507,830	3.0	669.0	2690	1.87			
11/05/05	1200	CB	224300	8,310	516,140	4.0	673.0	2078	1.44			
11/15/05	1200	CB	238950	14,650	530,790	10.0	683.0	1465	1.02	November	31030	1825

**Table 11. Summary of Water Recovery and Water Irrigation Rates
TWP Roswell Compressor Station Remediation Site**

Date	Time	Inspector	Meter reading (gallons)	Irrigated Volume (gallons)	Cummulative Irrigated Volume (gallons)	Elapsed Time (days)	Cummulative Elapsed Time (days)	Average Recovery Rate (GPD)	Average Recovery Rate (GPM)	Reporting Month	Monthly Irrigation Volume (gallons)	Average Irrigation Rate for Reporting Month (GPD)
03/08/06	1200	CB	242550	3,600	534,390	113.0	796.0	32	0.02			
03/13/06	1200	CB	258110	15,560	549,950	5.0	801.0	3112	2.16			
03/19/06	1200	CB	272360	14,250	564,200	6.0	807.0	2375	1.65	March	33410	269
04/03/06	1200	CB	286630	14,270	578,470	15.0	822.0	951	0.66			
04/10/06	1200	CB	300710	14,080	592,550	7.0	829.0	2011	1.40			
04/17/06	1200	CB	320170	19,460	612,010	7.0	836.0	2780	1.93			
04/25/06	1200	CB	342280	22,110	634,120	8.0	844.0	2764	1.92			
04/27/06	1200	CB	343730	1,450	635,570	2.0	846.0	725	0.50	April	71370	1830
05/10/06	1200	CB	344770	1,040	636,610	13.0	859.0	80	0.06			
05/15/06	1200	CB	356320	11,550	648,160	5.0	864.0	2310	1.60			
05/23/06	1200	CB	378110	21,790	669,950	8.0	872.0	2724	1.89			
05/29/06	1200	CB	385470	7,360	677,310	6.0	878.0	1227	0.85			
05/31/06	1200	CB	390720	5,250	682,560	2.0	880.0	2625	1.82	May	46990	1382
06/04/06	1200	CB	401580	10,860	693,420	4.0	884.0	2715	1.89			
06/08/06	1200	CB	410940	9,360	702,780	4.0	888.0	2340	1.63			
06/13/06	1200	CB	422890	11,950	714,730	5.0	893.0	2390	1.66			
06/19/06	1200	CB	434390	11,500	726,230	6.0	899.0	1917	1.33			
06/23/06	1200	CB	440610	6,220	732,450	4.0	903.0	1555	1.08			
06/30/06	1200	CB	453340	12,730	745,180	7.0	910.0	1819	1.26	June	62620	2087
07/03/06	1200	CB	455180	1,840	747,020	3.0	913.0	613	0.43			
07/10/06	1200	CB	455400	220	747,240	7.0	920.0	31	0.02			
07/17/06	1200	CB	459060	3,660	750,900	7.0	927.0	523	0.36			
07/20/06	1200	CB	464470	5,410	756,310	3.0	930.0	1803	1.25			
07/26/06	1200	CB	475010	10,540	766,850	6.0	936.0	1757	1.22			
07/31/06	1200	CB	483090	8,080	774,930	5.0	941.0	1616	1.12	July	29750	960
08/03/06	1200	CB	487910	4,820	779,750	3.0	944.0	1607	1.12			
08/08/06	1200	CB	495280	7,370	787,120	5.0	949.0	1474	1.02			
08/14/06	1200	CB	503030	7,750	794,870	6.0	955.0	1292	0.90			
08/22/06	1200	CB	504340	1,310	796,180	8.0	963.0	164	0.11			
08/31/06	1200	CB	506140	1,800	797,980	9.0	972.0	200	0.14	August	23050	744
09/05/06	1200	CB	512200	6,060	804,040	5.0	977.0	1212	0.84			
09/08/06	1200	CB	519420	7,220	811,260	3.0	980.0	2407	1.67			
09/13/06	1200	CB	530990	11,570	822,830	5.0	985.0	2314	1.61			
09/24/06	1200	CB	536610	5,620	828,450	11.0	996.0	511	0.35			
10/01/06	1200	CB	551070	14,460	842,910	7.0	1003.0	2066	1.43	September	44930	1449
10/11/06	1200	CB	566080	15,010	857,920	10.0	1013.0	1501	1.04			
10/17/06	1200	CB	570470	4,390	862,310	6.0	1019.0	732	0.51			
10/23/06	1200	CB	581710	11,240	873,550	6.0	1025.0	1873	1.30			
10/30/06	1200	CB	594160	12,450	886,000	7.0	1032.0	1779	1.24	October	43090	1486
11/03/06	1200	CB	601330	7,170	893,170	4.0	1036.0	1793	1.24			
11/08/06	1200	CB	611850	10,520	903,690	5.0	1041.0	2104	1.46			
11/15/06	1200	CB	622970	11,120	914,810	7.0	1048.0	1589	1.10	November	28810	1801

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TWP Roswell Compressor Station Remediation Site**

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04/12/07	1200	CB	623030	60	914,870	148.0	1196.0	0	0.00			
04/15/07	1200	CB	623890	860	915,730	3.0	1199.0	287	0.20			
04/20/07	1200	CB	629130	5,240	920,970	5.0	1204.0	1048	0.73			
04/24/07	1200	CB	632590	3,460	924,430	4.0	1208.0	865	0.60			
05/02/07	1200	CB	639700	7,110	931,540	8.0	1216.0	889	0.62	April	16730	100
05/05/07	1200	CB	641220	1,520	933,060	3.0	1219.0	507	0.35			
05/07/07	1200	CB	641370	150	933,210	2.0	1221.0	75	0.05			
05/09/07	1200	CB	641390	20	933,230	2.0	1223.0	10	0.01			
05/29/07	1200	CB	648620	7,230	940,460	20.0	1243.0	362	0.25			
05/30/07	1200	CB	650280	1,660	942,120	1.0	1244.0	1660	1.15	May	10580	378
06/05/07	1200	CB	665000	14,720	956,840	6.0	1250.0	2453	1.70			
06/13/07	1200	CB	674520	9,520	966,360	8.0	1258.0	1190	0.83			
06/18/07	1200	CB	675100	580	966,940	5.0	1263.0	116	0.08			
06/21/07	1200	CB	675110	10	966,950	3.0	1266.0	3	0.00	June	24830	1129
07/17/07	1200	CB	675680	570	967,520	26.0	1292.0	22	0.02			
07/24/07	1200	CB	682700	7,020	974,540	7.0	1299.0	1003	0.70			
07/31/07	1200	CB	689370	6,670	981,210	7.0	1306.0	953	0.66	July	14260	357
08/06/07	1200	CB	693540	4,170	985,380	6.0	1312.0	695	0.48			
08/11/07	1200	CB	697230	3,690	989,070	5.0	1317.0	738	0.51			
08/16/07	1200	CB	700660	3,430	992,500	5.0	1322.0	686	0.48			
08/21/07	1200	CB	703520	2,860	995,360	5.0	1327.0	572	0.40			
08/27/07	1200	CB	713170	9,650	1,005,010	6.0	1333.0	1608	1.12	August	23800	881
05/14/08	1200	CB	713470	300	1,005,310	261.0	1594.0	1	0.00			
05/18/08	1200	CB	719200	5,730	1,011,040	4.0	1598.0	1433	0.99			
05/19/08	1200	CB	719230	30	1,011,070	1.0	1599.0	30	0.02	May	6060	23
06/18/08	1200	CB	750860	31,630	1,042,700	30.0	1629.0	1054	0.73			
06/24/08	1200	CB	767470	16,610	1,059,310	6.0	1635.0	2768	1.92			
06/30/08	1200	CB	777320	9,850	1,069,160	6.0	1641.0	1642	1.14	June	58090	1383
07/01/08	1200	CB	778860	1,540	1,070,700	1.0	1642.0	1540	1.07			
07/08/08	1200	CB	787480	8,620	1,079,320	7.0	1649.0	1231	0.86			
07/24/08	1200	CB	787500	20	1,079,340	16.0	1665.0	1	0.00			
07/26/08	1200	CB	812270	24,770	1,104,110	2.0	1667.0	12385	8.60			
07/31/08	1200	CB	814810	2,540	1,106,650	5.0	1672.0	508	0.35	July	37490	1209
08/04/08	1200	CB	814810	0	1,106,650	4.0	1676.0	0	0.00			
08/11/08	1200	CB	815390	580	1,107,230	7.0	1683.0	83	0.06			
08/17/08	1200	CB	817560	2,170	1,109,400	6.0	1689.0	362	0.25			
08/21/08	1200	CB	823150	5,590	1,114,990	4.0	1693.0	1398	0.97			
08/25/08	1200	CB	833290	10,140	1,125,130	4.0	1697.0	2535	1.76			
08/31/08	1200	CB	852270	18,980	1,144,110	6.0	1703.0	3163	2.20	August	37460	1208
09/04/08	1200	CB	868960	16,690	1,160,800	4.0	1707.0	4173	2.90			
09/06/08	1200	CB	877520	8,560	1,169,360	2.0	1709.0	4280	2.97			
09/19/08	1200	CB	880450	2,930	1,172,290	13.0	1722.0	225	0.16			
09/26/08	1200	CB	889370	8,920	1,181,210	7.0	1729.0	1274	0.88			
09/30/08	1200	CB	906070	16,700	1,197,910	4.0	1733.0	4175	2.90	September	53800	1793
10/06/08	1200	CB	930320	24,250	1,222,160	6.0	1739.0	4042	2.81			
10/15/08	1200	CB	939300	8,980	1,231,140	9.0	1748.0	998	0.69			
10/21/08	1200	CB	941950	2,650	1,233,790	6.0	1754.0	442	0.31			
10/24/08	1200	CB	943270	1,320	1,235,110	3.0	1757.0	440	0.31	October	37200	1550
11/04/08	1200	CB	943290	20	1,235,130	11.0	1768.0	2	0.00			
11/07/08	1200	CB	949020	5,730	1,240,860	3.0	1771.0	1910	1.33			
11/18/08	1200	CB	949300	280	1,241,140	11.0	1782.0	25	0.02	November	6030	241

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TWP Roswell Compressor Station Remediation Site**

Date	Time	Inspector	Meter reading (gallons)	Irrigated Volume (gallons)	Cummulative Irrigated Volume (gallons)	Elapsed Time (days)	Cummulative Elapsed Time (days)	Average Recovery Rate (GPD)	Average Recovery Rate (GPM)	Reporting Month	Monthly Irrigation Volume (gallons)	Average Irrigation Rate for Reporting Month (GPD)
05/01/09	1200	CB	964480	15,180	1,256,320	164.0	1946.0	93	0.06			
05/16/09	1200	CB	976370	11,890	1,268,210	15.0	1961.0	793	0.55			
05/20/09	1200	CB	985920	9,550	1,277,760	4.0	1965.0	2388	1.66			
05/25/09	1200	CB	1003890	17,970	1,295,730	5.0	1970.0	3594	2.50			
05/29/09	1200	CB	1014750	10,860	1,306,590	4.0	1974.0	2715	1.89			
05/31/09	1200	CB	1019820	5,070	1,311,660	2.0	1976.0	2535	1.76	May	70520	364
06/04/09	1200	CB	1030720	10,900	1,322,560	4.0	1980.0	2725	1.89			
06/08/09	1200	CB	1040710	9,990	1,332,550	4.0	1984.0	2498	1.73			
06/15/09	1200	CB	1055760	15,050	1,347,600	7.0	1991.0	2150	1.49			
06/20/09	1200	CB	1064810	9,050	1,356,650	5.0	1996.0	1810	1.26			
06/25/09	1200	CB	1068440	3,630	1,360,280	5.0	2001.0	726	0.50	June	48620	1945
07/04/09	1200	CB	1074550	6,110	1,366,390	9.0	2010.0	679	0.47			
07/07/09	1200	CB	1082120	7,570	1,373,960	3.0	2013.0	2523	1.75			
07/13/09	1200	CB	1094120	12,000	1,385,960	6.0	2019.0	2000	1.39			
07/17/09	1200	CB	1098480	4,360	1,390,320	4.0	2023.0	1090	0.76			
07/21/09	1200	CB	1105500	7,020	1,397,340	4.0	2027.0	1755	1.22			
07/27/09	1200	CB	1107950	2,450	1,399,790	6.0	2033.0	408	0.28			
07/31/09	1200	CB	1110600	2,650	1,402,440	4.0	2037.0	663	0.46	July	42160	1171
08/04/09	1200	CB	1112060	1,460	1,403,900	4.0	2041.0	365	0.25			
08/10/09	1200	CB	1124810	12,750	1,416,650	6.0	2047.0	2125	1.48			
08/13/09	1200	CB	1130140	5,330	1,421,980	3.0	2050.0	1777	1.23			
08/17/09	1200	CB	1137560	7,420	1,429,400	4.0	2054.0	1855	1.29			
08/21/09	1200	CB	1145780	8,220	1,437,620	4.0	2058.0	2055	1.43			
08/28/09	1200	CB	1158470	12,690	1,450,310	7.0	2065.0	1813	1.26	August	47870	1710
09/01/09	1200	CB	1158960	490	1,450,800	4.0	2069.0	123	0.09			
09/07/09	1200	CB	1162130	3,170	1,453,970	6.0	2075.0	528	0.37			
09/14/09	1200	CB	1163840	1,710	1,455,680	7.0	2082.0	244	0.17			
09/21/09	1200	CB	1165080	1,240	1,456,920	7.0	2089.0	177	0.12			
09/25/09	1200	CB	1165680	600	1,457,520	4.0	2093.0	150	0.10			
09/30/09	1200	CB	1166290	610	1,458,130	5.0	2098.0	122	0.08	September	7820	237
10/06/09	1200	CB	1176620	10,330	1,468,460	6.0	2104.0	1722	1.20			
10/12/09	1200	CB	1177250	630	1,469,090	6.0	2110.0	105	0.07			
10/22/09	1200	CB	1180690	3,440	1,472,530	10.0	2120.0	344	0.24			
10/26/09	1200	CB	1180920	230	1,472,760	4.0	2124.0	58	0.04			
10/31/09	1200	CB	1187620	6,700	1,479,460	5.0	2129.0	1340	0.93	October	21330	688
11/05/09	1200	CB	1196570	8,950	1,488,410	5.0	2134.0	1790	1.24			
11/16/09	1200	CB	1214350	17,780	1,506,190	11.0	2145.0	1616	1.12			
11/23/09	1200	CB	1223480	9,130	1,515,320	7.0	2152.0	1304	0.91	November	35860	1559

**Table 11. Summary of Water Recovery and Water Irrigation Rates
TWP Roswell Compressor Station Remediation Site**

Date	Time	Inspector	Meter reading (gallons)	Irrigated Volume (gallons)	Cummulative Irrigated Volume (gallons)	Elapsed Time (days)	Cummulative Elapsed Time (days)	Average Recovery Rate (GPD)	Average Recovery Rate (GPM)	Reporting Month	Monthly Irrigation Volume (gallons)	Average Irrigation Rate for Reporting Month (GPD)
06/20/10	1200	CB	1223490	10	1,515,330	209.0	2361.0	0	0.00			
06/24/10	1200	CB	1224100	610	1,515,940	4.0	2365.0	153	0.11			
06/30/10	1200	CB	1227190	3,090	1,519,030	6.0	2371.0	515	0.36	June	3710	17
07/07/10	1200	CB	1232290	5,100	1,524,130	7.0	2378.0	729	0.51			
07/14/10	1200	CB	1235080	2,790	1,526,920	7.0	2385.0	399	0.28			
07/19/10	1200	CB	1236340	1,260	1,528,180	5.0	2390.0	252	0.18			
07/26/10	1200	CB	1242910	6,570	1,534,750	7.0	2397.0	939	0.65			
07/30/10	1200	CB	1248140	5,230	1,539,980	4.0	2401.0	1308	0.91	July	20950	698
08/05/10	1200	CB	1248520	380	1,540,360	6.0	2407.0	63	0.04			
08/10/10	1200	CB	1250320	1,800	1,542,160	5.0	2412.0	360	0.25			
08/19/10	1200	CB	1252630	2,310	1,544,470	9.0	2421.0	257	0.18			
08/23/10	1200	CB	1258090	5,460	1,549,930	4.0	2425.0	1365	0.95			
08/30/10	1200	CB	1265630	7,540	1,557,470	7.0	2432.0	1077	0.75	August	17490	564
09/06/10	1200	CB	1274270	8,640	1,566,110	7.0	2439.0	1234	0.86			
09/14/10	1200	CB	1279310	5,040	1,571,150	8.0	2447.0	630	0.44			
09/20/10	1200	CB	1286040	6,730	1,577,880	6.0	2453.0	1122	0.78			
09/21/10	1200	CB	1287050	1,010	1,578,890	1.0	2454.0	1010	0.70			
09/28/10	1200	CB	1288380	1,330	1,580,220	7.0	2461.0	190	0.13	September	22750	784
11/05/10	1200	CB	1288390	10	1,580,230	38.0	2499.0	0	0.00			
11/08/10	1200	CB	1290290	1,900	1,582,130	3.0	2502.0	633	0.44			
11/10/10	1200	CB	1292380	2,090	1,584,220	2.0	2504.0	1045	0.73	November	4000	93

**Table 11. Summary of Water Recovery and Water Irrigation Rates
TWP Roswell Compressor Station Remediation Site**

Date	Time	Inspector	Meter reading (gallons)	Irrigated Volume (gallons)	Cummulative Irrigated Volume (gallons)	Elapsed Time (days)	Cummulative Elapsed Time (days)	Average Recovery Rate (GPD)	Average Recovery Rate (GPM)	Reporting Month	Monthly Irrigation Volume (gallons)	Average Irrigation Rate for Reporting Month (GPD)
06/28/11	1200	CB	1292590	210	1,584,430	230.0	2734.0	1	0.00			
06/30/11	1200	CB	1294730	2,140	1,586,570	2.0	2736.0	1070	0.74	June	2350	10
07/13/11	1200	CB	1297670	2,940	1,589,510	13.0	2749.0	226	0.16			
07/20/11	1200	CB	1303020	5,350	1,594,860	7.0	2756.0	764	0.53	July	8290	415
08/01/11	1200	CB	1304610	1,590	1,596,450	12.0	2768.0	133	0.09			
08/12/11	1200	CB	1312240	7,630	1,604,080	11.0	2779.0	694	0.48			
08/19/11	1200	CB	1313260	1,020	1,605,100	7.0	2786.0	146	0.10			
08/23/11	1200	CB	1315750	2,490	1,607,590	4.0	2790.0	623	0.43			
08/30/11	1200	CB	1316650	900	1,608,490	7.0	2797.0	129	0.09	August	13630	332
09/03/11	1200	CB	1317270	620	1,609,110	4.0	2801.0	155	0.11			
09/09/11	1200	CB	1319870	2,600	1,611,710	6.0	2807.0	433	0.30			
09/13/11	1200	CB	1321030	1,160	1,612,870	4.0	2811.0	290	0.20			
09/22/11	1200	CB	1321270	240	1,613,110	9.0	2820.0	27	0.02			
09/25/11	1200	CB	1326090	4,820	1,617,930	3.0	2823.0	1607	1.12			
09/28/11	1200	CB	1329140	3,050	1,620,980	3.0	2826.0	1017	0.71			
09/30/11	1200	CB	1331610	2,470	1,623,450	2.0	2828.0	1235	0.86	September	14960	483
10/04/11	1200	CB	1336700	5,090	1,628,540	4.0	2832.0	1273	0.88			
10/10/11	1200	CB	1344310	7,610	1,636,150	6.0	2838.0	1268	0.88			
10/14/11	1200	CB	1348220	3,910	1,640,060	4.0	2842.0	978	0.68			
10/17/11	1200	CB	1352830	4,610	1,644,670	3.0	2845.0	1537	1.07			
10/20/11	1200	CB	1355140	2,310	1,646,980	3.0	2848.0	770	0.53			
10/25/11	1200	CB	1356640	1,500	1,648,480	5.0	2853.0	300	0.21	October	25030	1001
11/01/11	1200	CB	1357820	1,180	1,649,660	7.0	2860.0	169	0.12			
11/06/11	1200	CB	1370170	12,350	1,662,010	5.0	2865.0	2470	1.72			
11/14/11	1200	CB	1378250	8,080	1,670,090	8.0	2873.0	1010	0.70			
11/19/11	1200	CB	1383060	4,810	1,674,900	5.0	2878.0	962	0.67			
11/25/11	1200	CB	1388650	5,590	1,680,490	6.0	2884.0	932	0.65			
11/30/11	1200	CB	1390930	2,280	1,682,770	5.0	2889.0	456	0.32	November	34290	953

NOTES:

(a) Replaced meter on 040705 (initial reading = 7460 gallons)

Irrigated Volume (gallons) = Difference between prior meter reading and current meter reading (gallons)

Cummulative Irrigated Volume (gallons) = Cummulative sum of Irrigated Volume (gallons) calculated for all prior periods

Elapsed Time (days) = Calculated number of days from the prior date and time

Cummulative Elapsed Time (days) = Cummulative sum of Elapsed Time (days)

Average Recovery Rate (GPD) = Irrigated Volume (gallons) / Elapsed Time (days)

Average Recovery Rate (GPM) = Average Recovery Rate (GPD) / 24 (hours/day) / 60 (minutes/hour)

Reporting Month - Calender month for which the Average Irrigation Rate for Reporting Month (GPD) is calculated

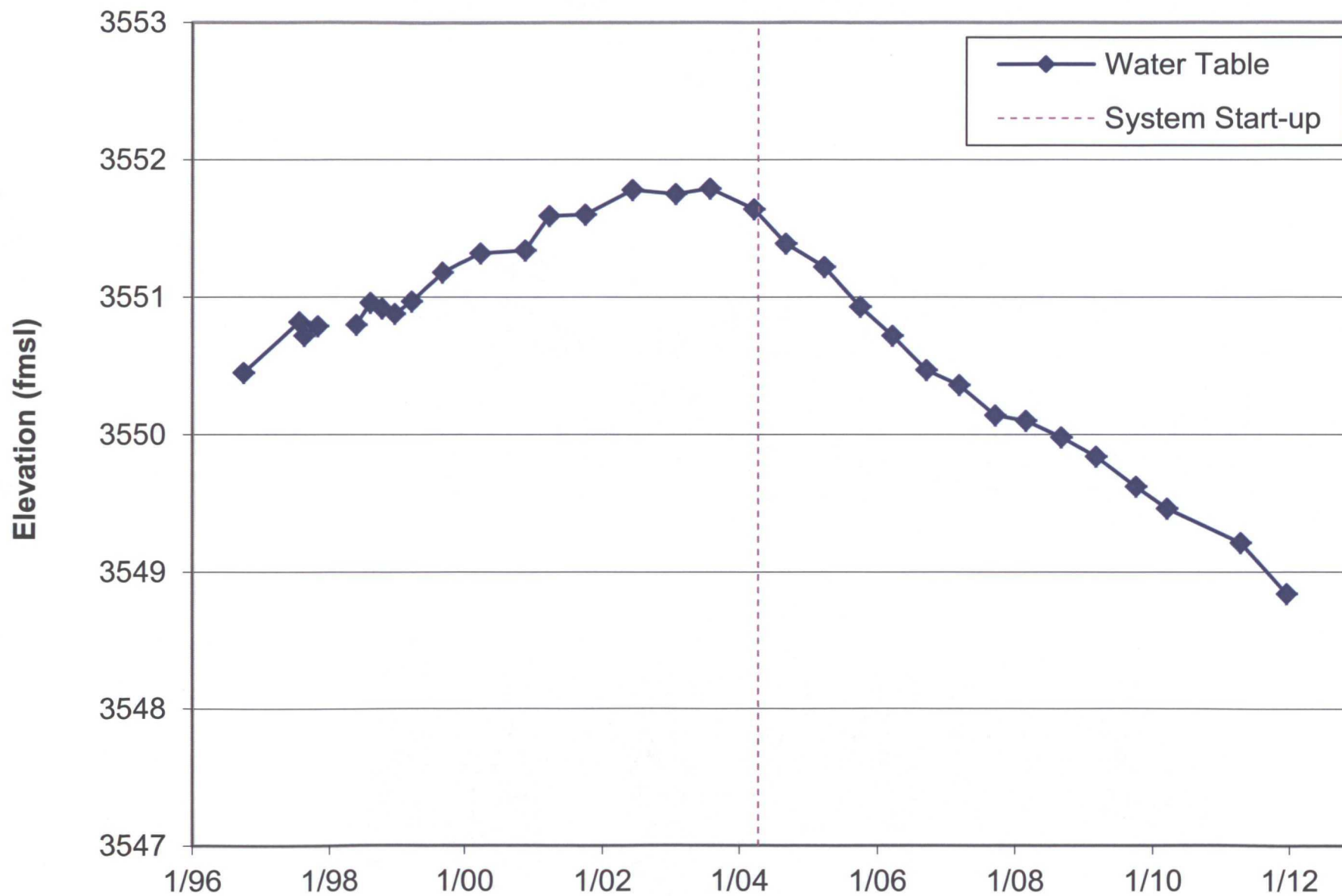
Average Irrigation Rate for Reporting Month (GPD) = Cummulative Irrigated Volume (gallons) since prior Reporting Month / Cummulative Elapsed Time (days) since prior Reporting Month

NA = Dummy entry for calculations of Monthly Irrigation Volume

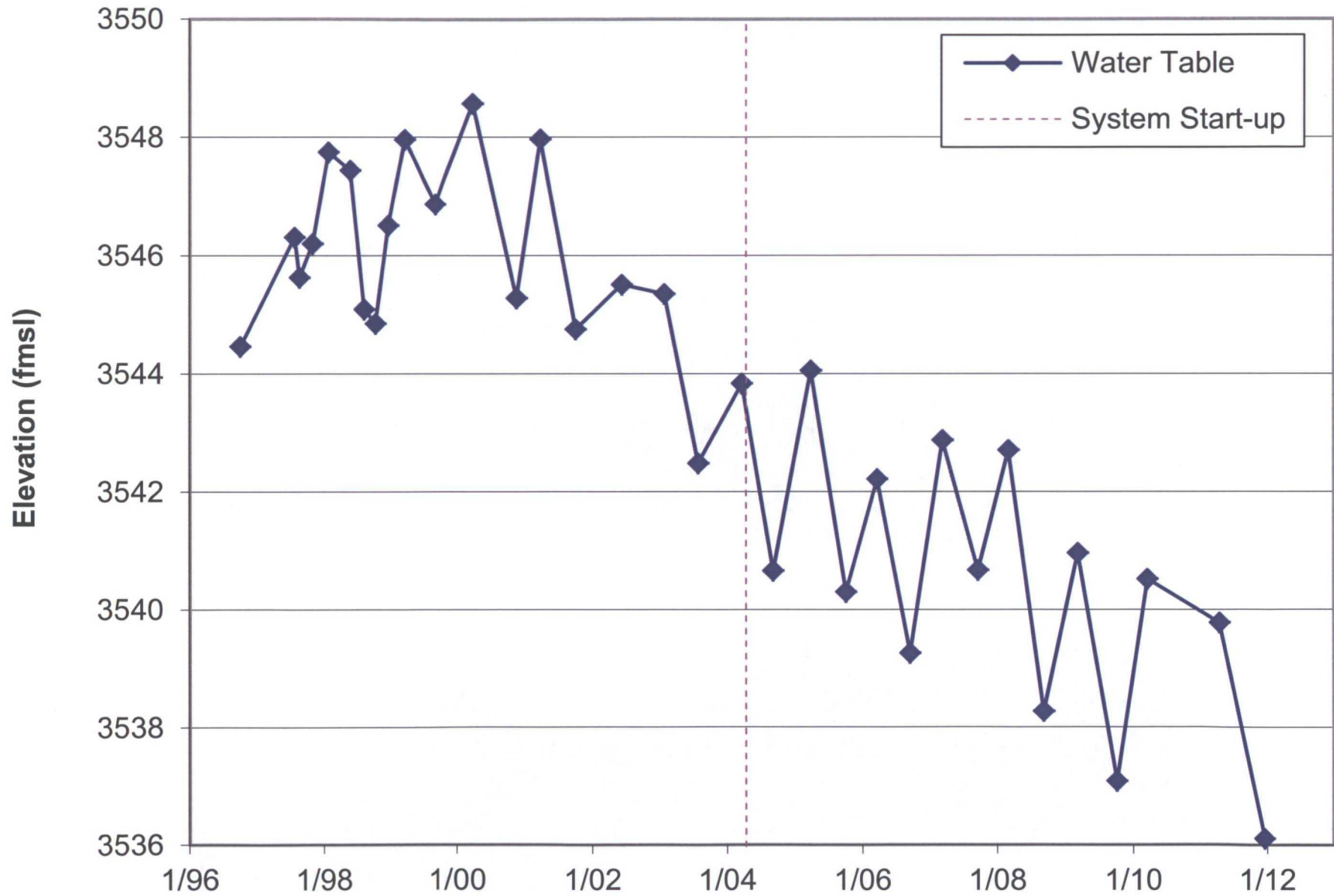
APPENDIX A

Hydrographs for Selected Monitoring Wells with No Accumulated PSH

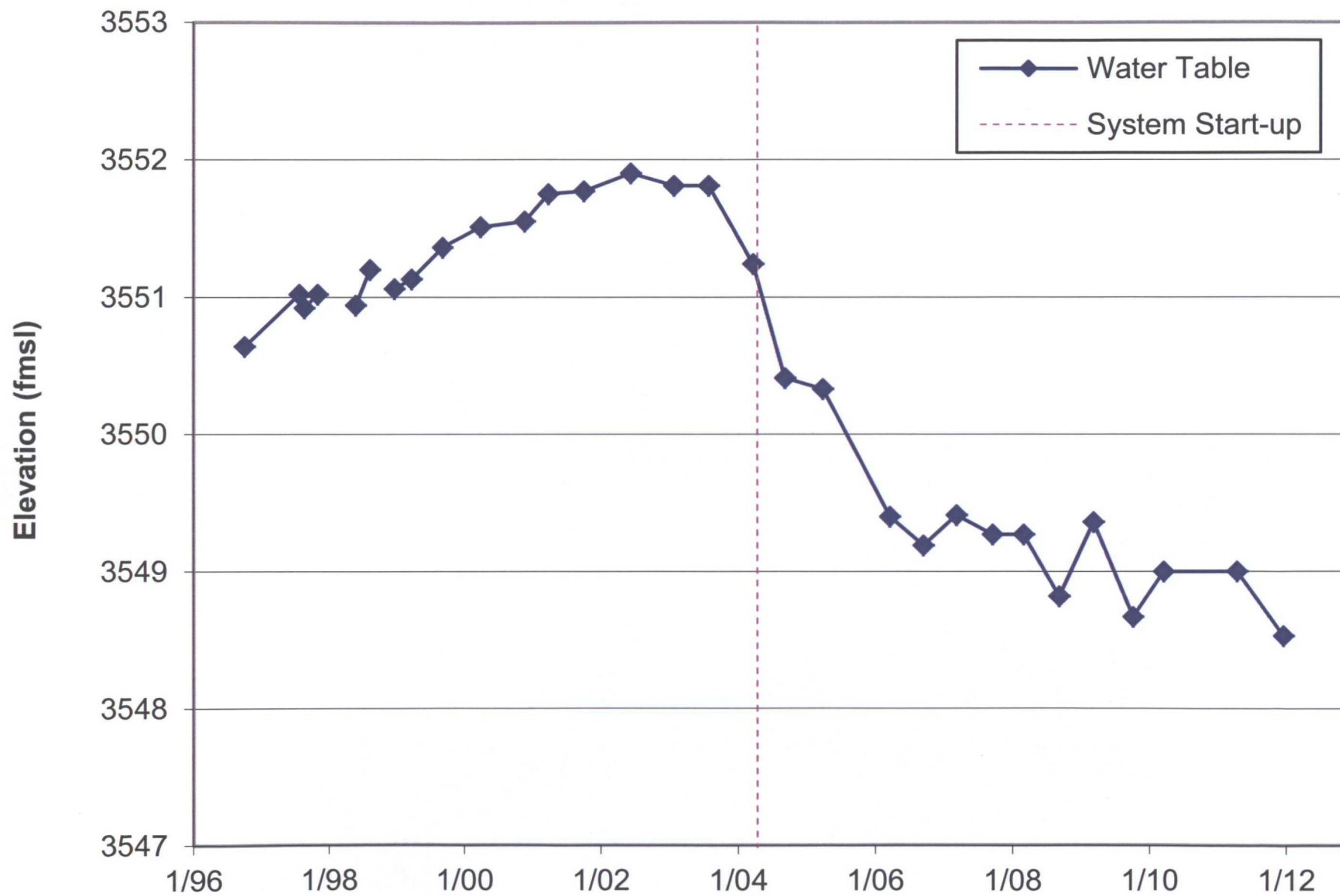
Hydrograph for Well MW-5 Roswell Station Remediation Site



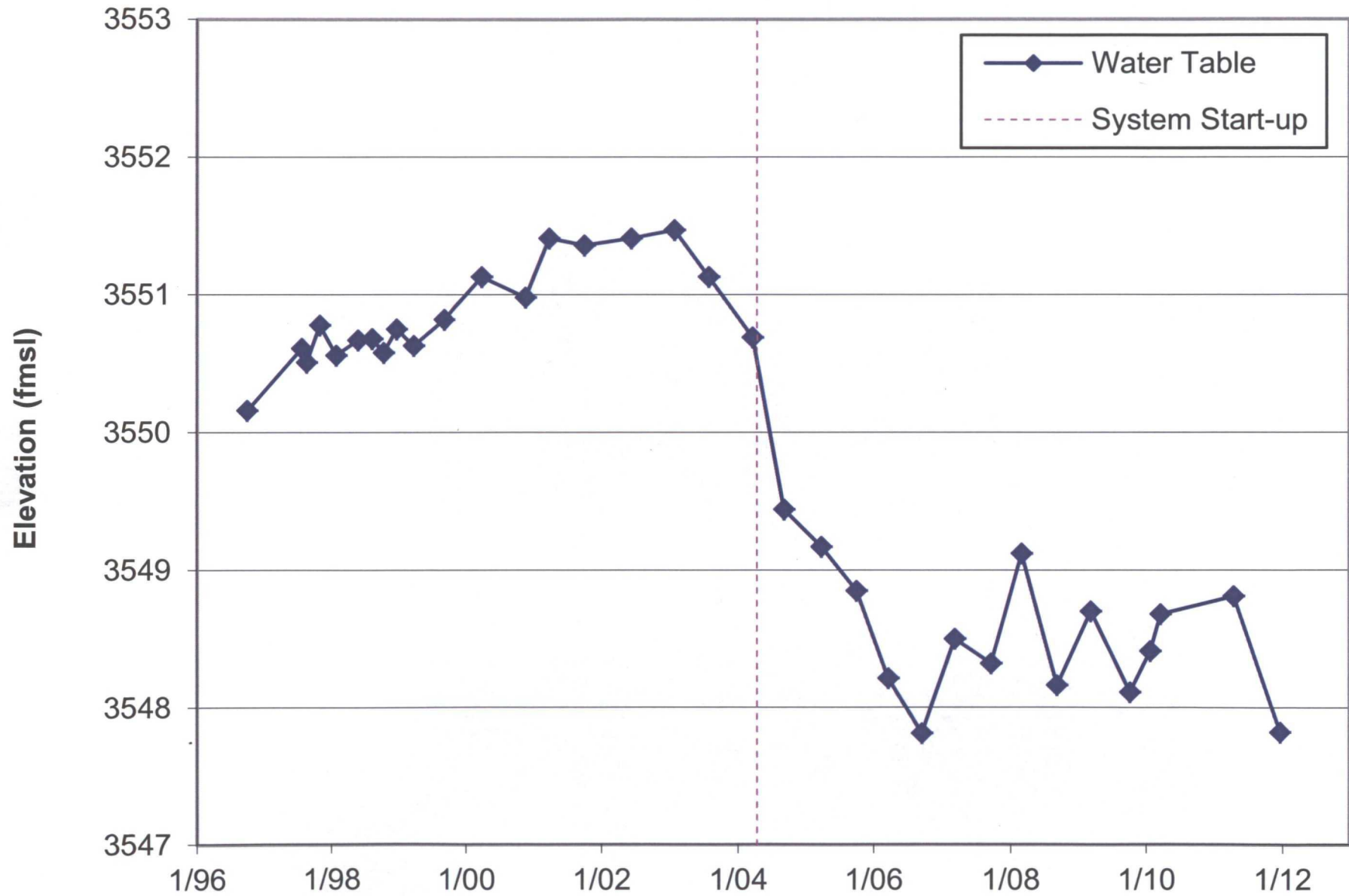
**Hydrograph for Well MW-7
Roswell Station Remediation Site**



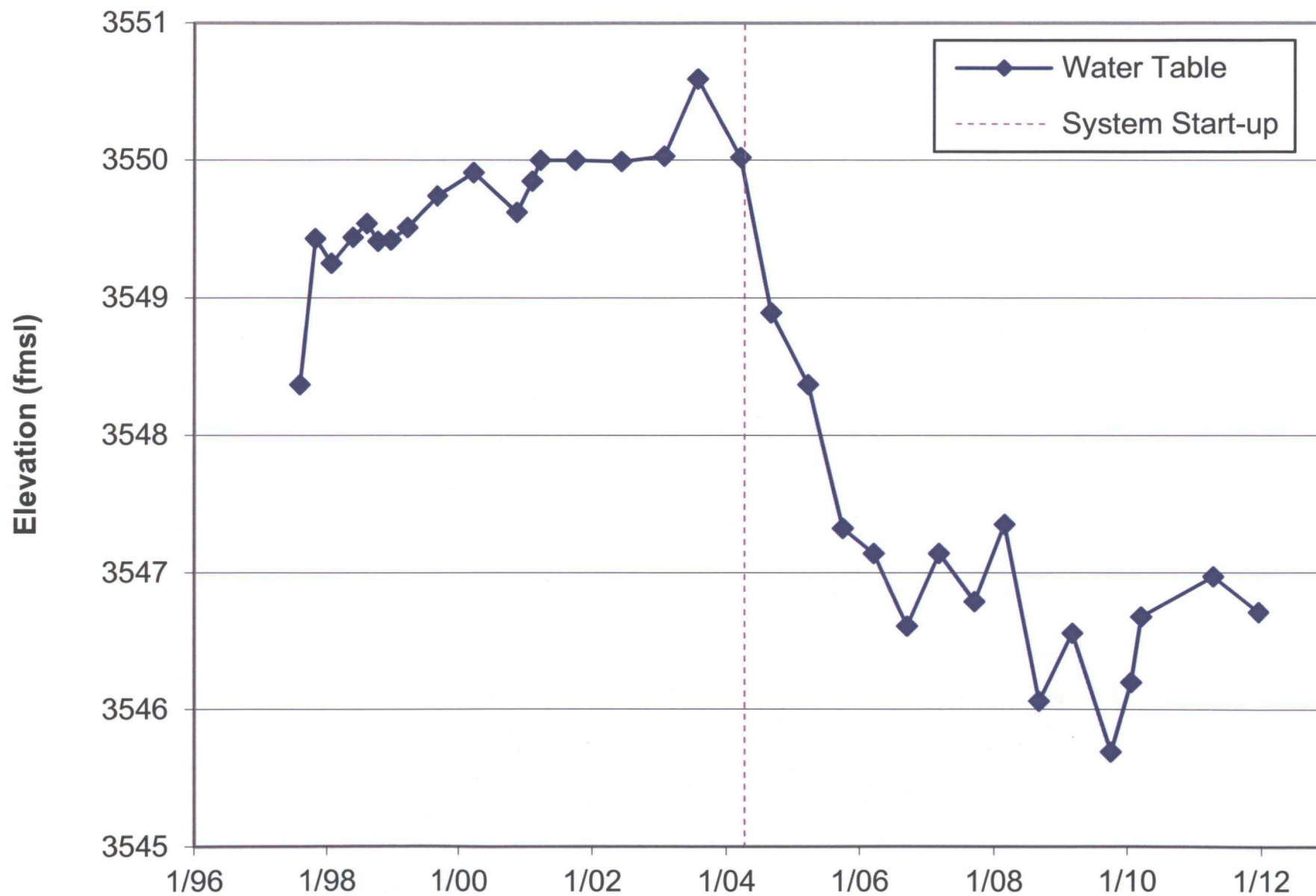
Hydrograph for Well MW-10 Roswell Station Remediation Site



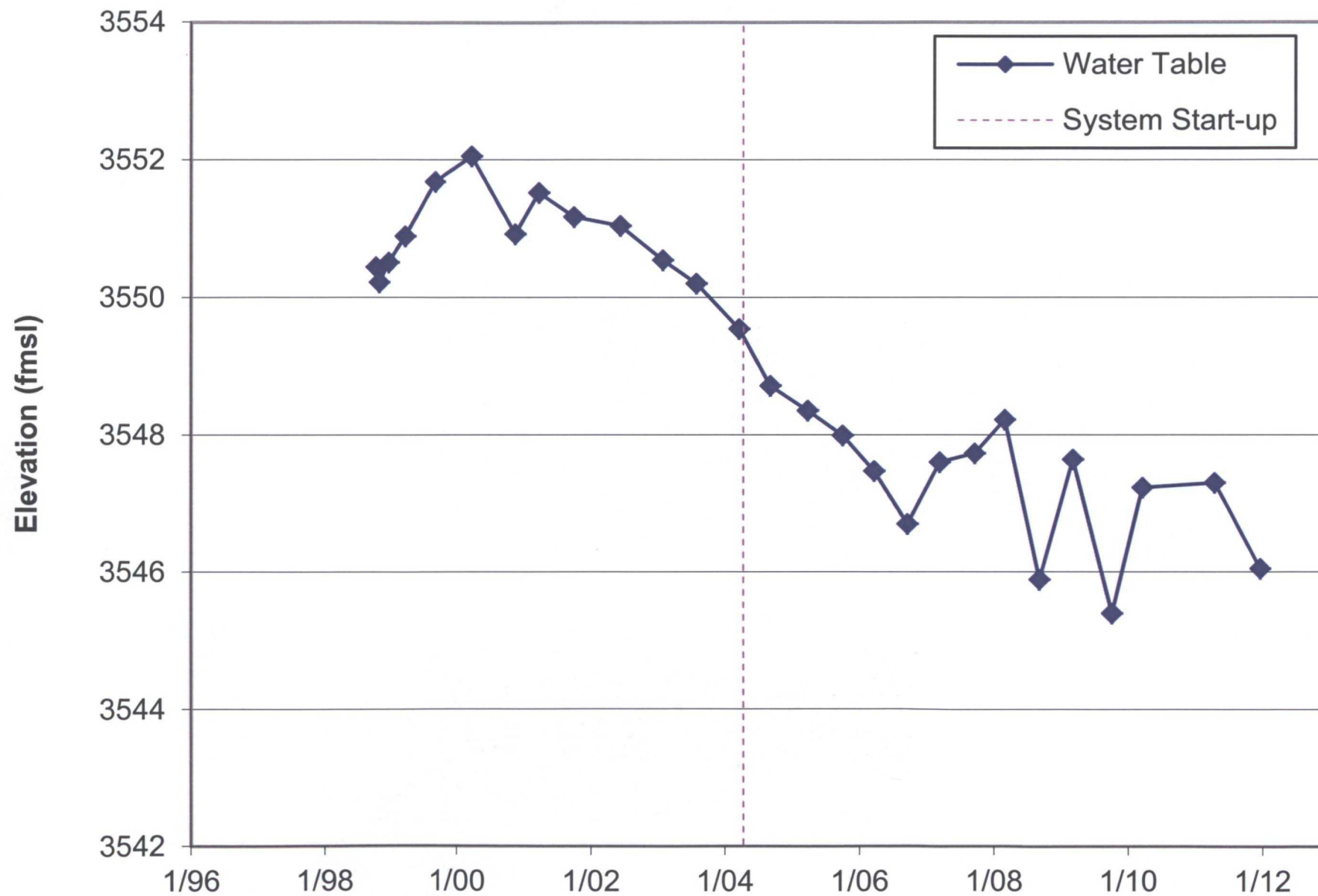
Hydrograph for Well MW-13 Roswell Station Remediation Site



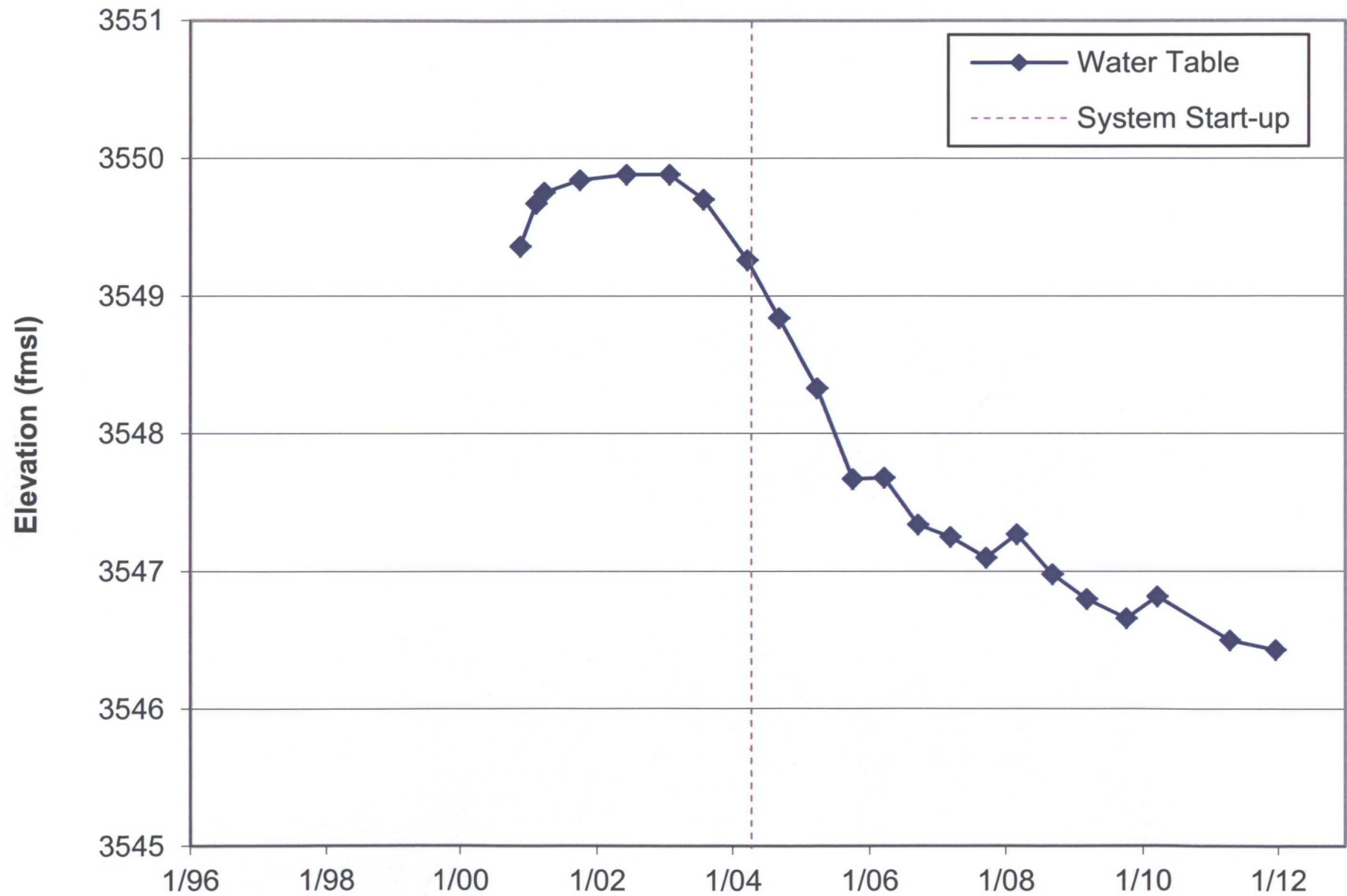
Hydrograph for Well MW-21 Roswell Station Remediation Site



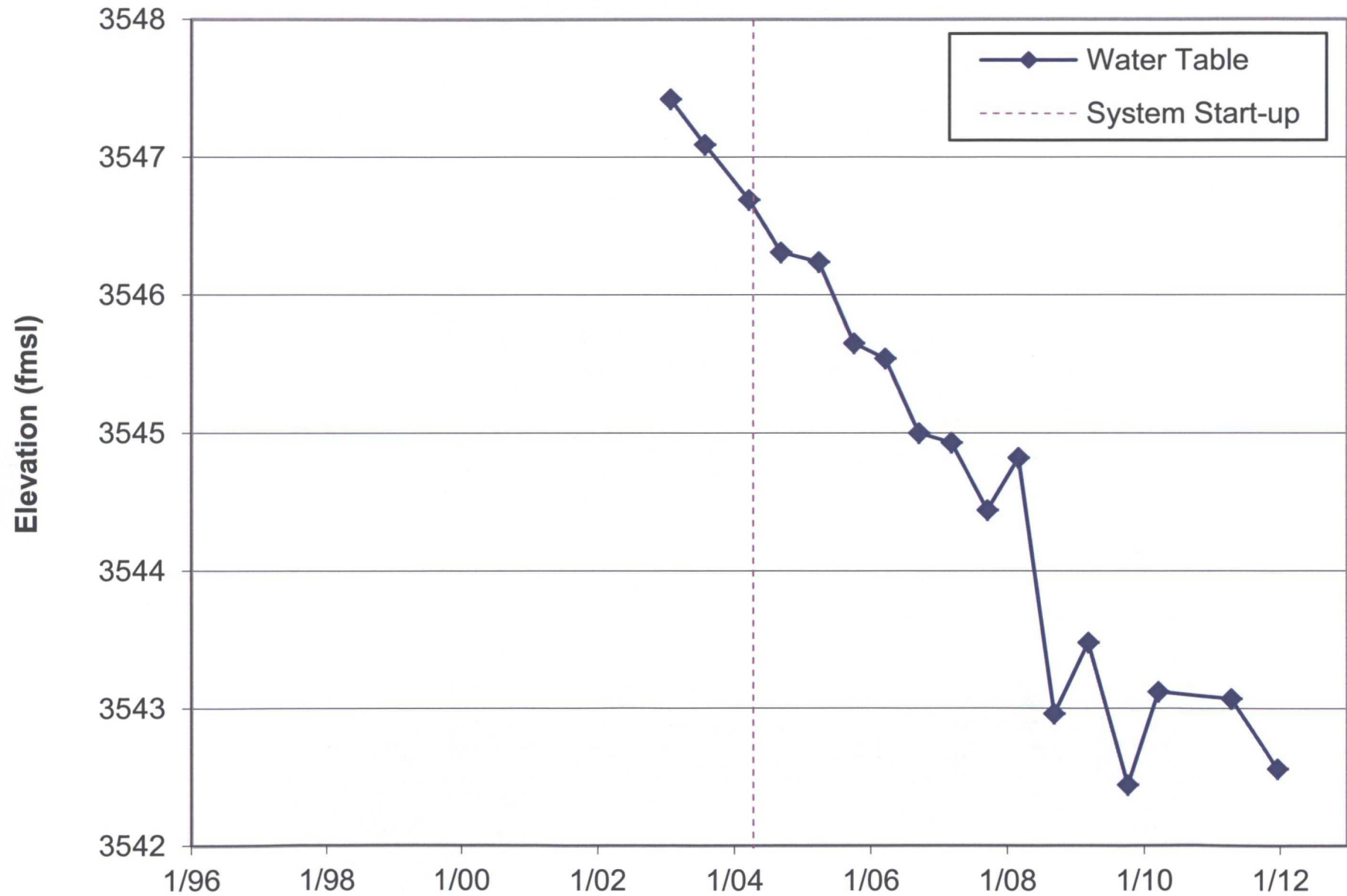
Hydrograph for Well MW-26 Roswell Station Remediation Site



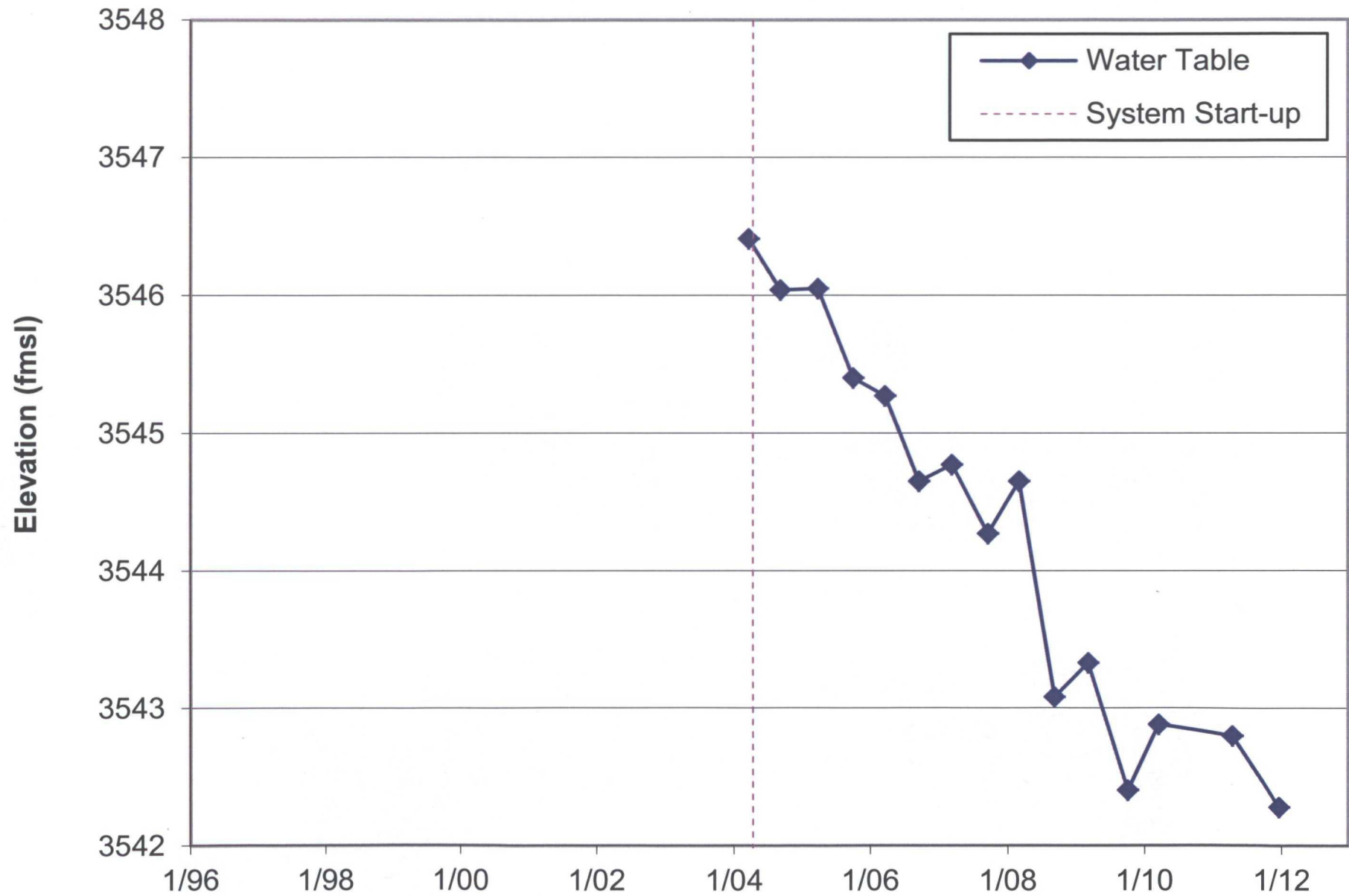
Hydrograph for Well MW-30 Roswell Station Remediation Site



Hydrograph for Well MW-34 Roswell Station Remediation Site



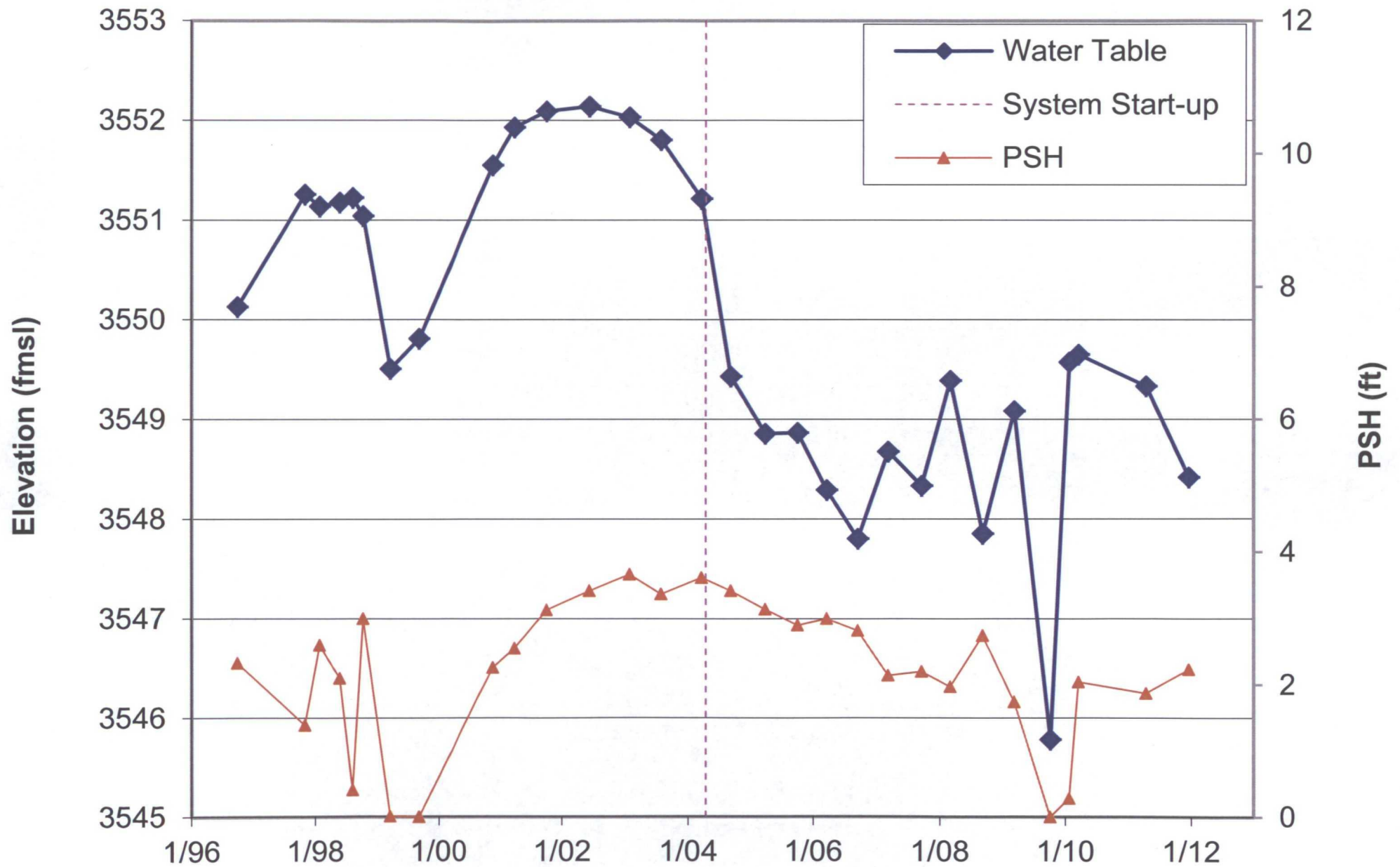
**Hydrograph for Well MW-37
Roswell Station Remediation Site**



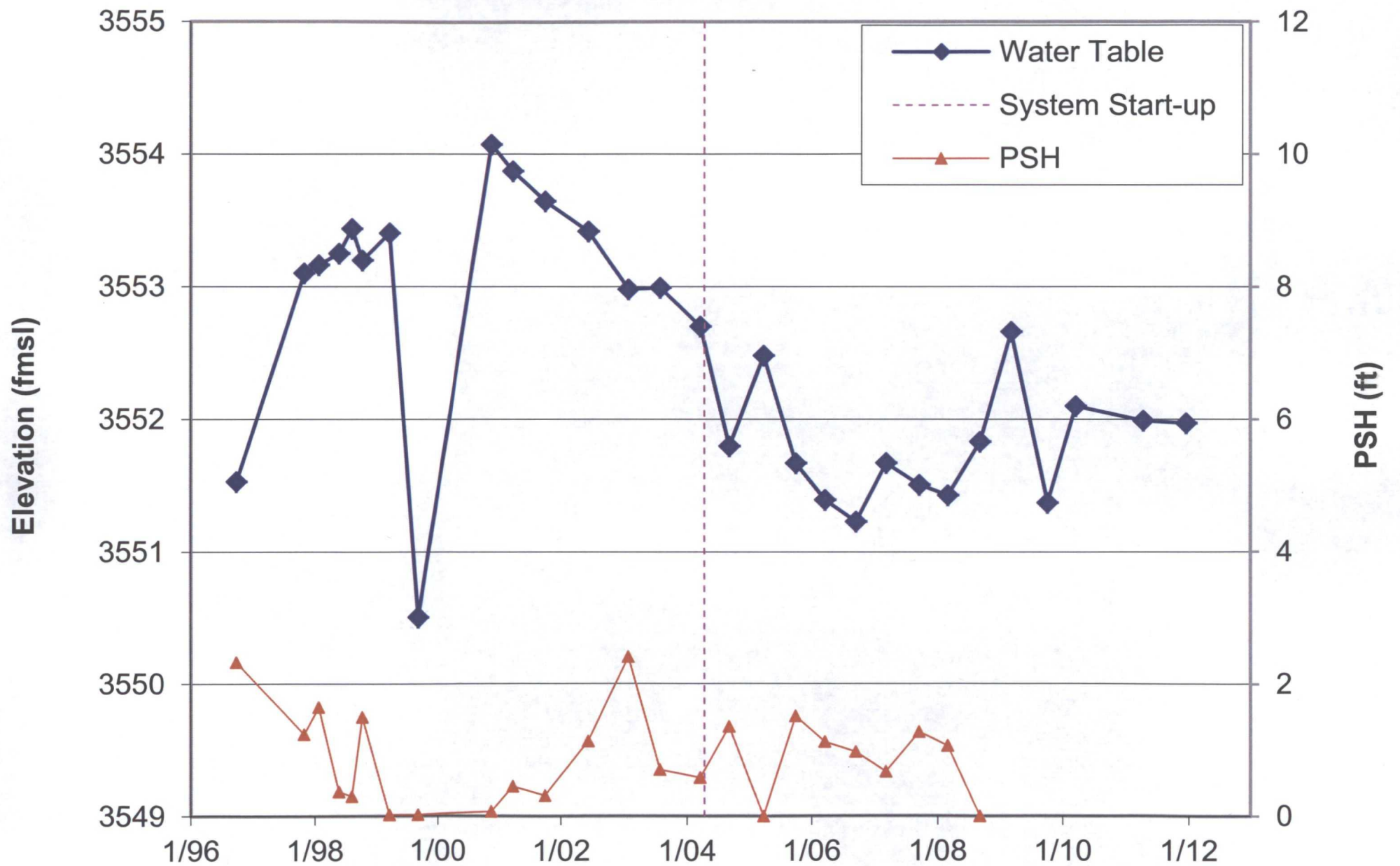
APPENDIX B

Hydrographs for Wells with Accumulated PSH

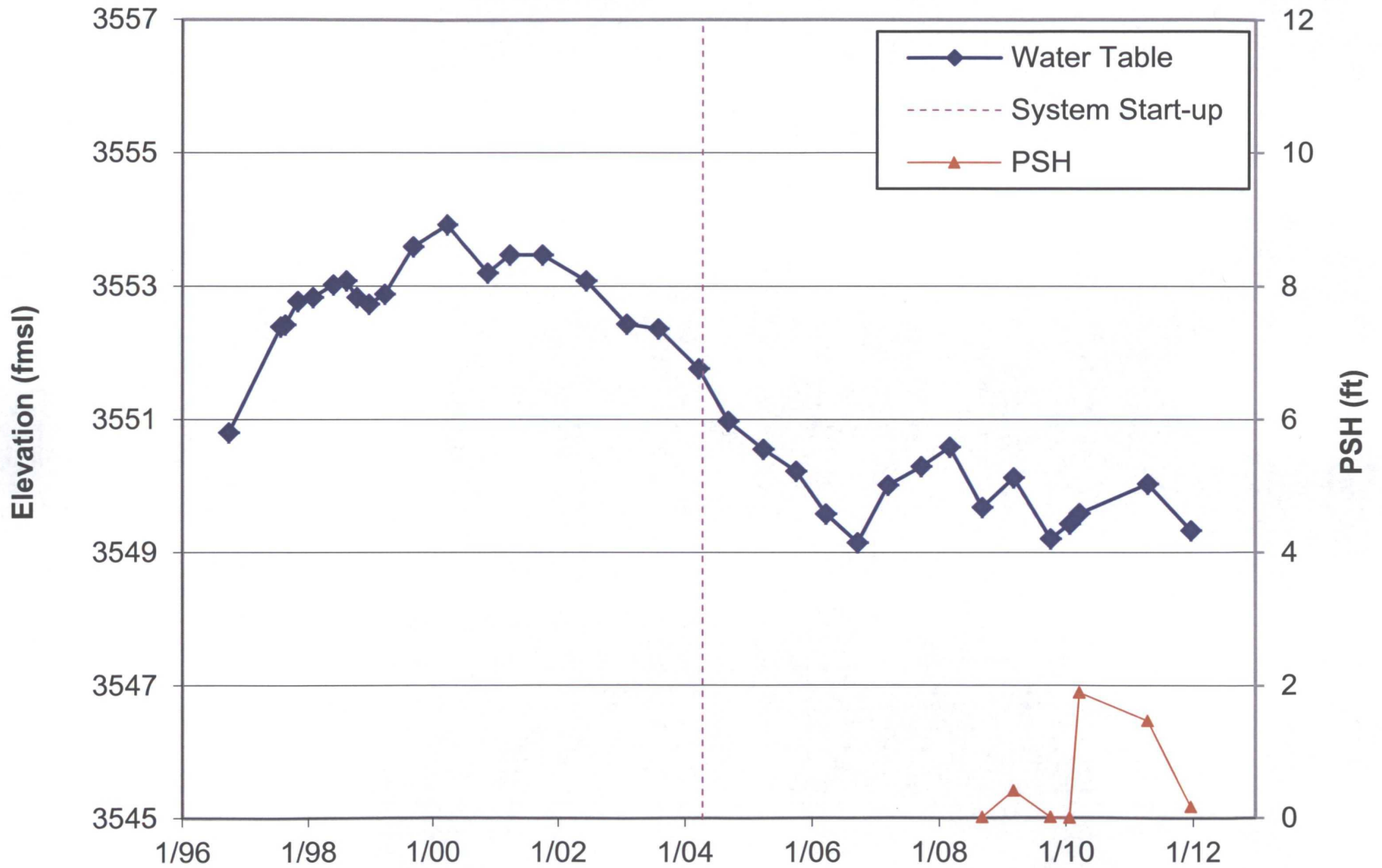
Hydrograph for Well MW-1B Roswell Station Remediation Site



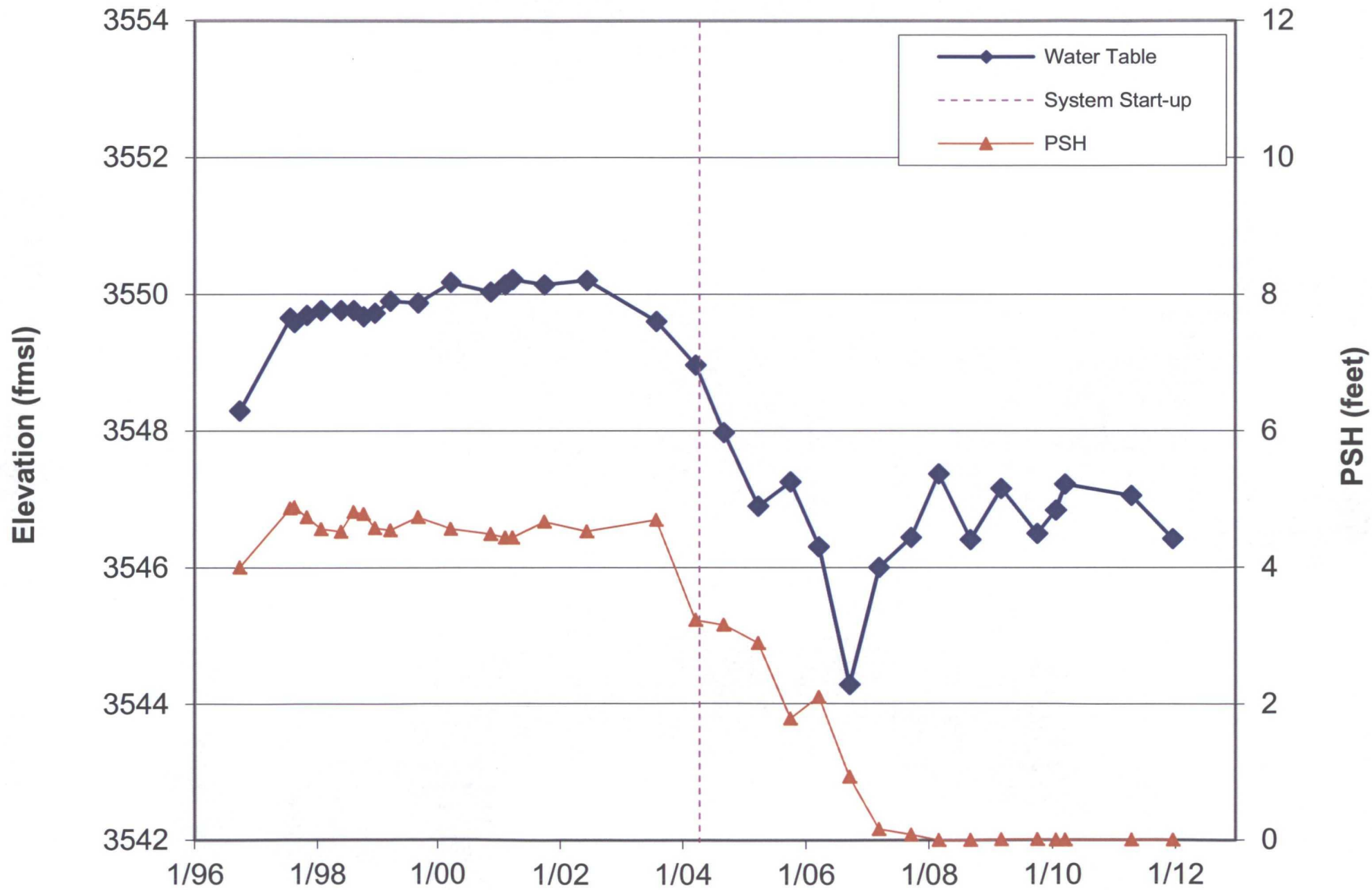
Hydrograph for Well MW-2 Roswell Station Remediation Site



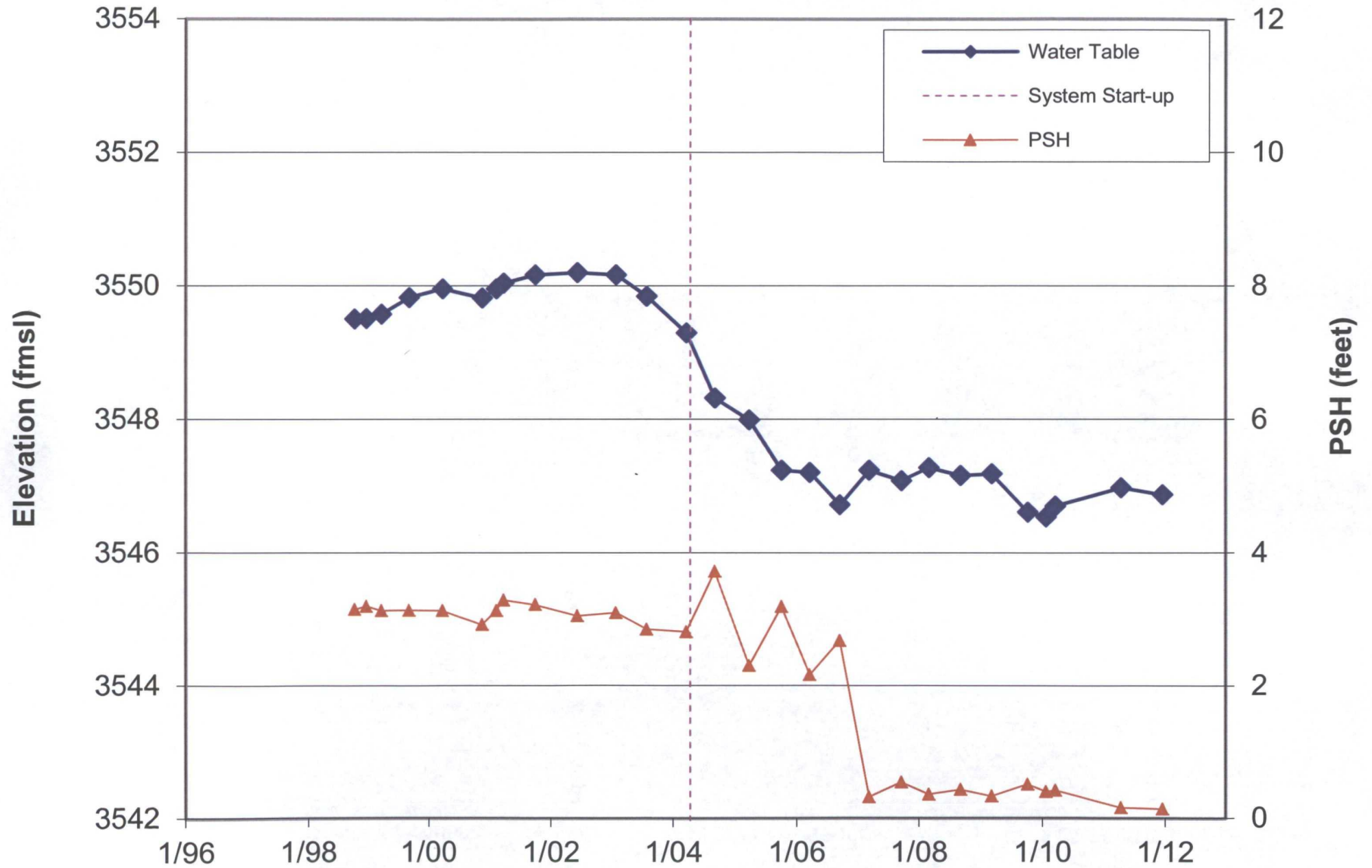
Hydrograph for Well MW-12 Roswell Station Remediation Site



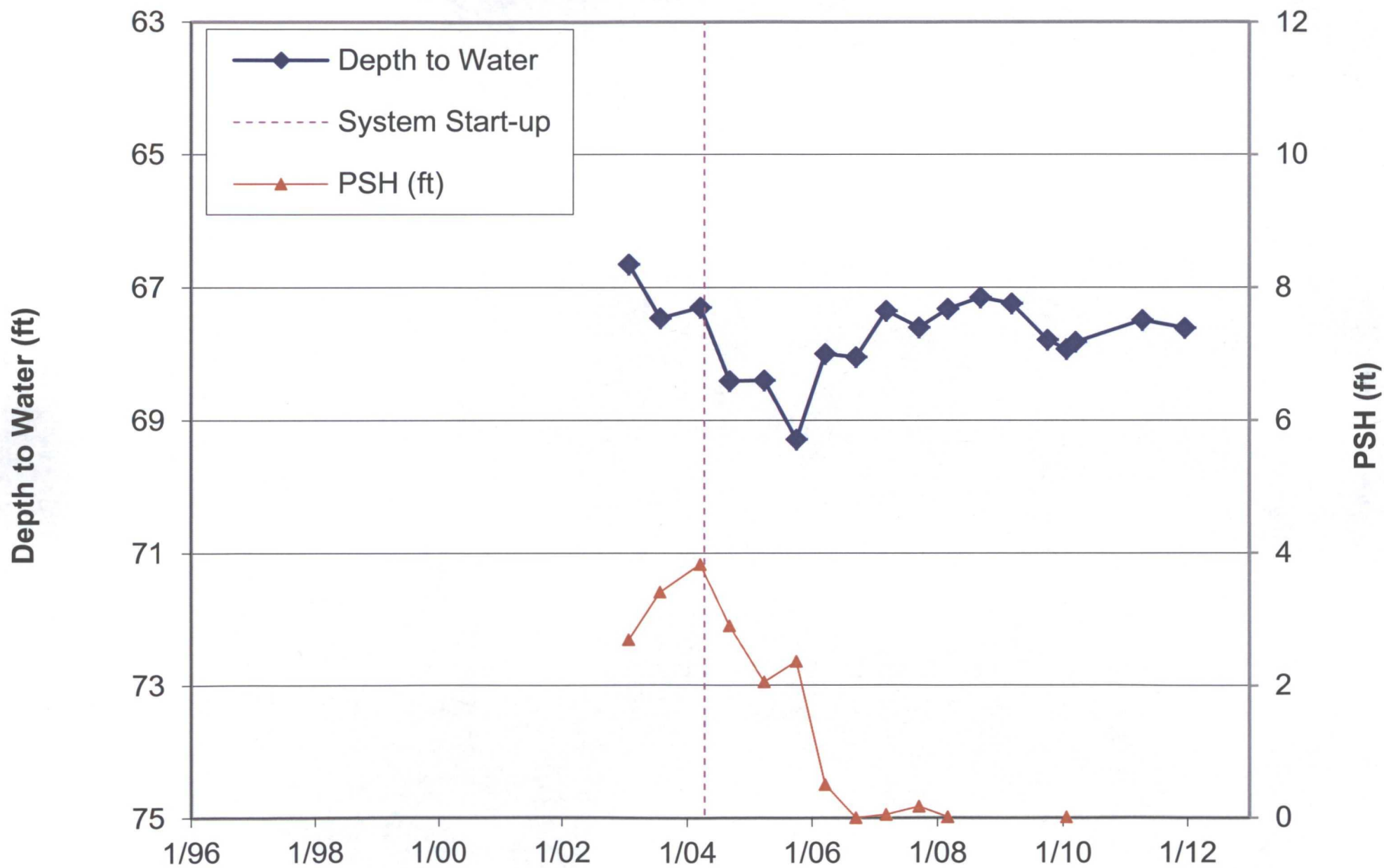
Hydrograph for Well MW-16 TW Roswell Remediation Site



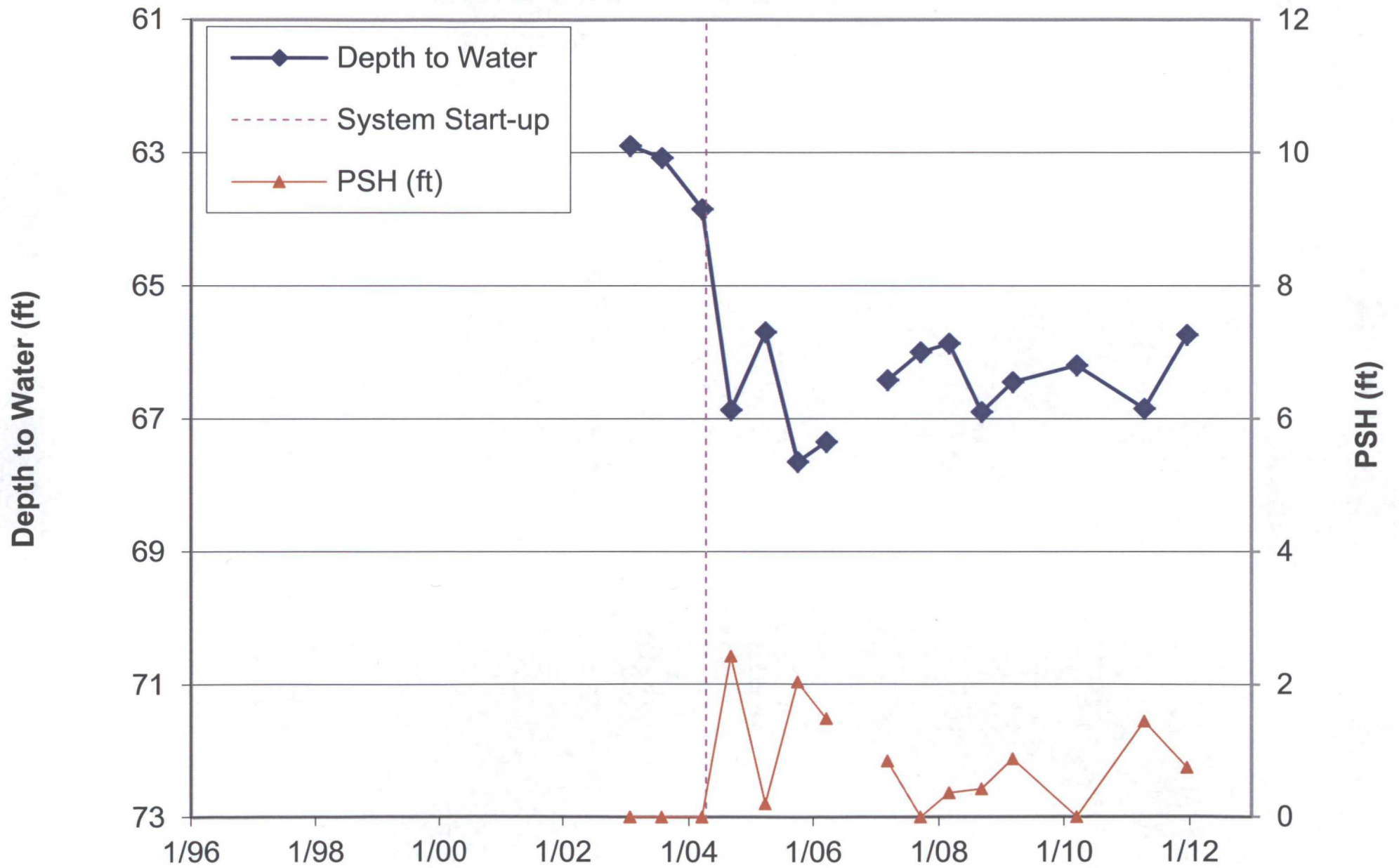
Hydrograph for Well MW-27 Roswell Station Remediation Site



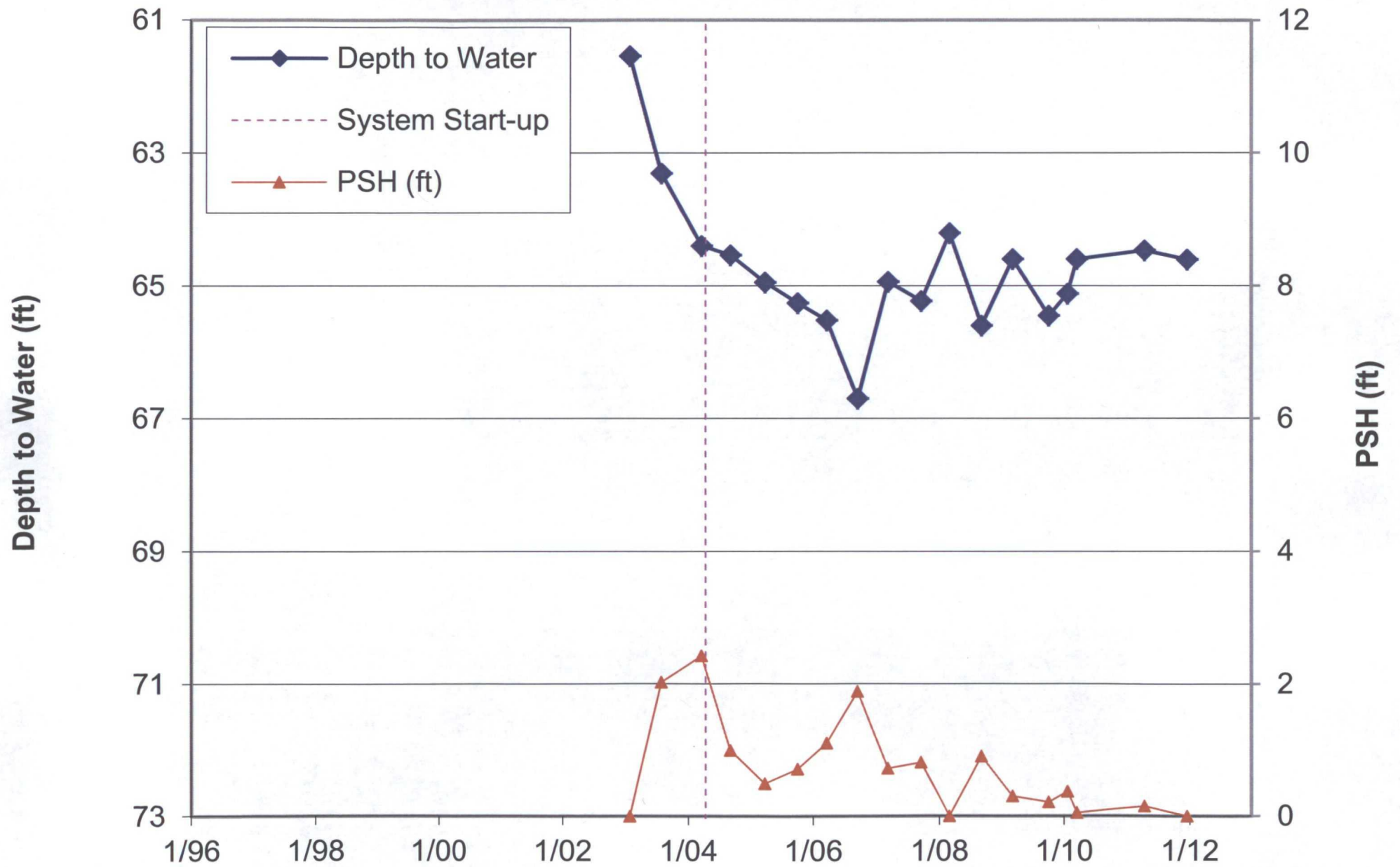
Hydrograph for Well MPE-9 Roswell Station Remediation Site



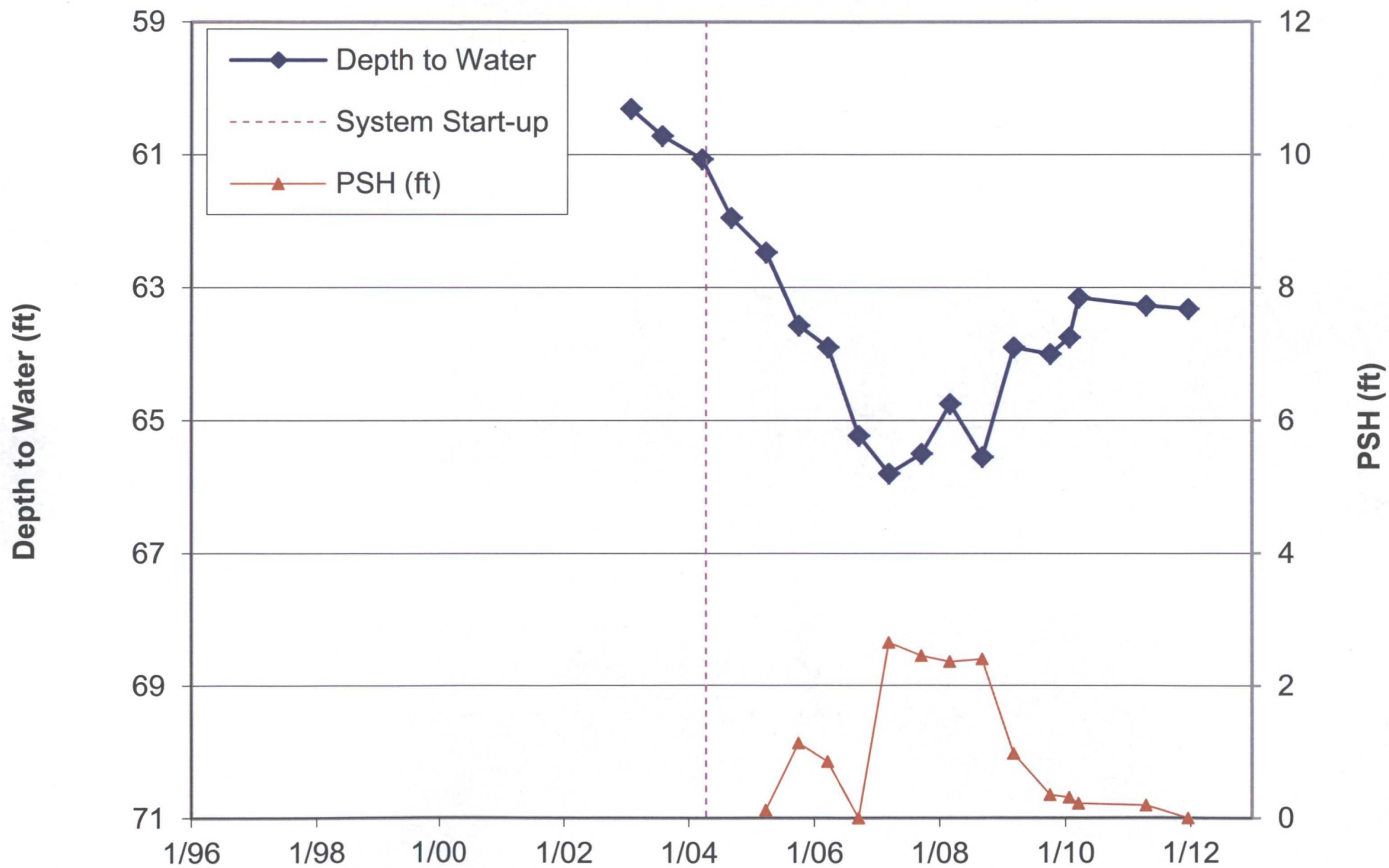
Hydrograph for Well MPE-10 Roswell Station Remediation Site



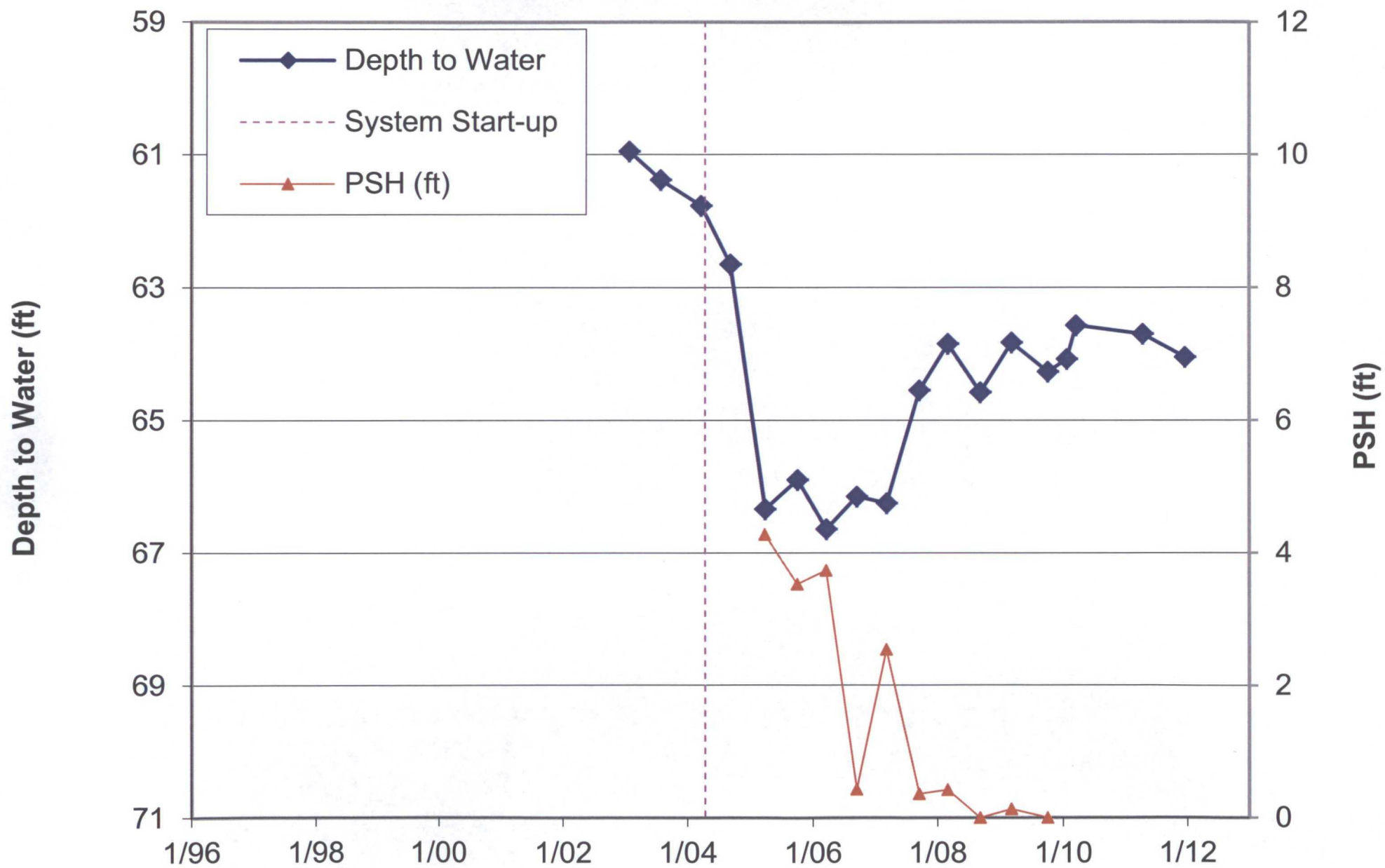
Hydrograph for Well MPE-12 Roswell Station Remediation Site



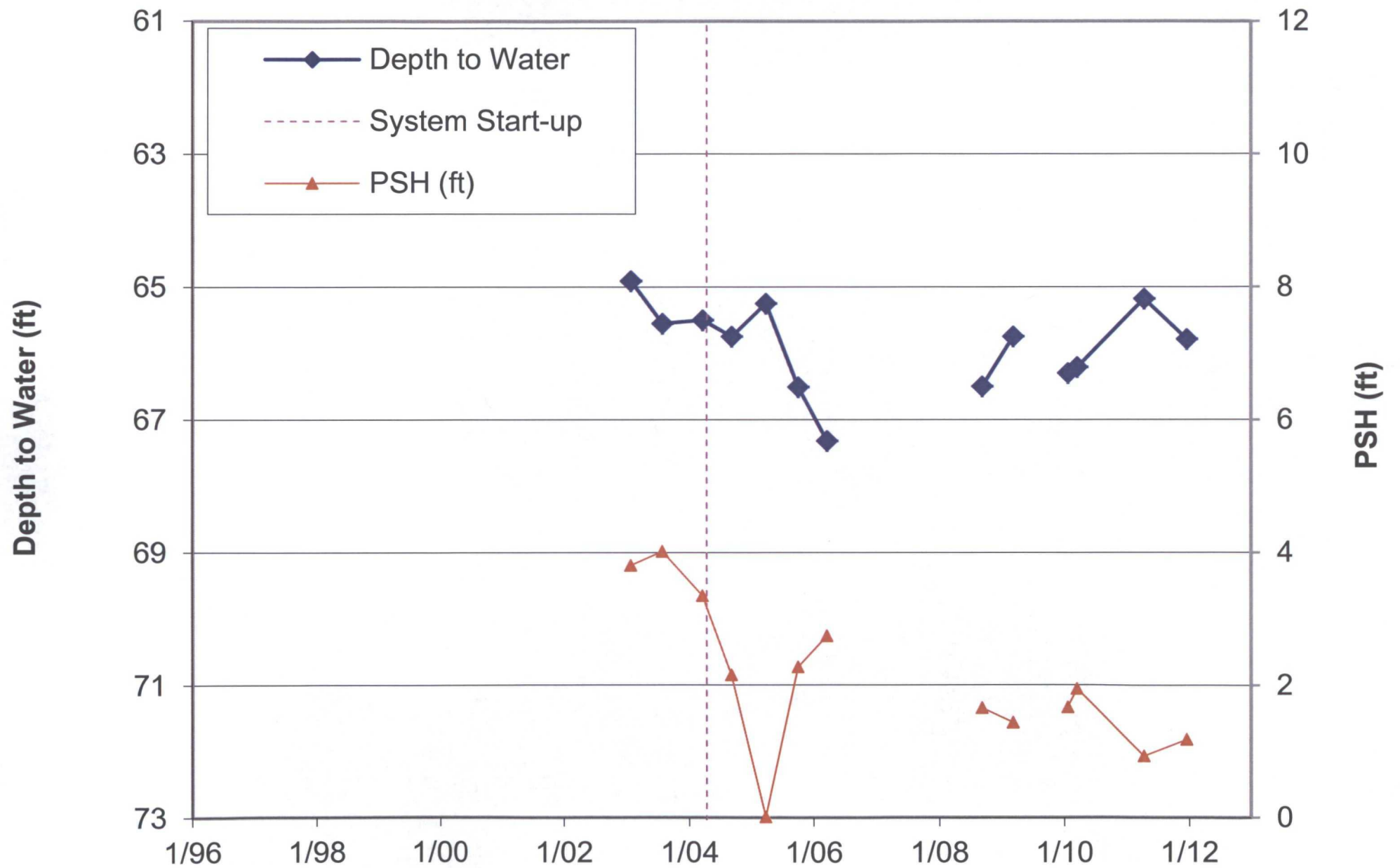
Hydrograph for Well MPE-13 Roswell Station Remediation Site



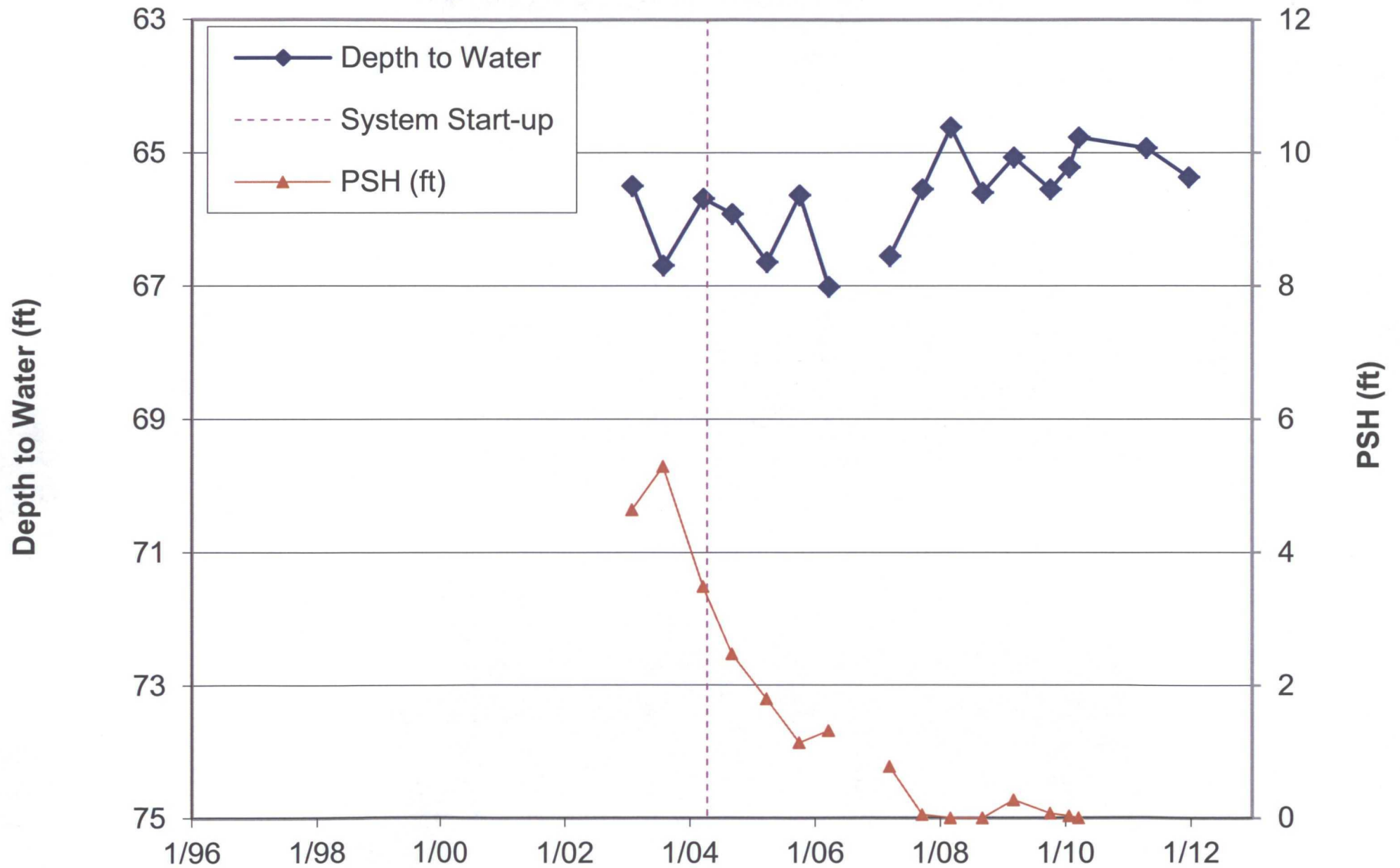
Hydrograph for Well MPE-14 Roswell Station Remediation Site



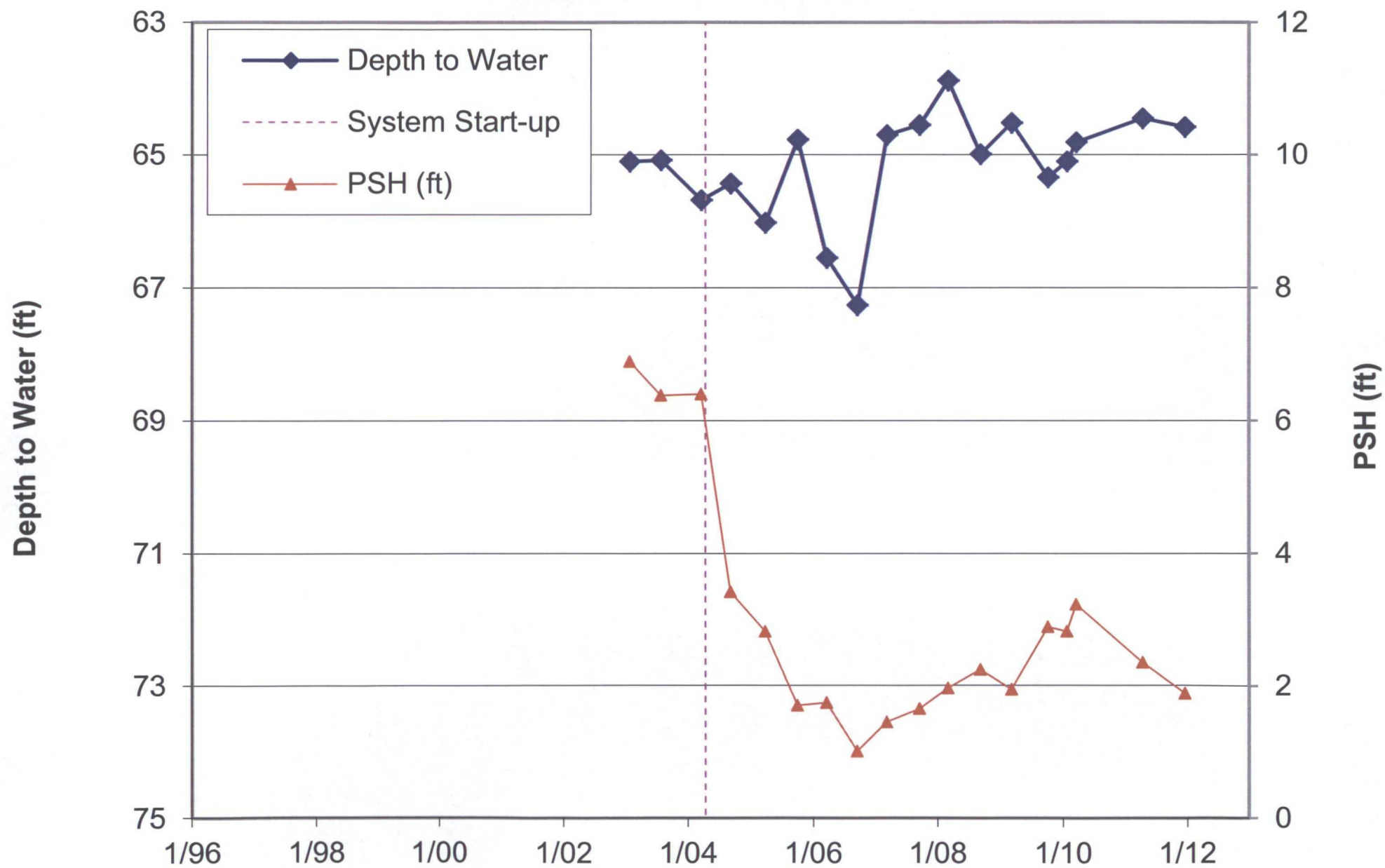
Hydrograph for Well MPE-16 Roswell Station Remediation Site



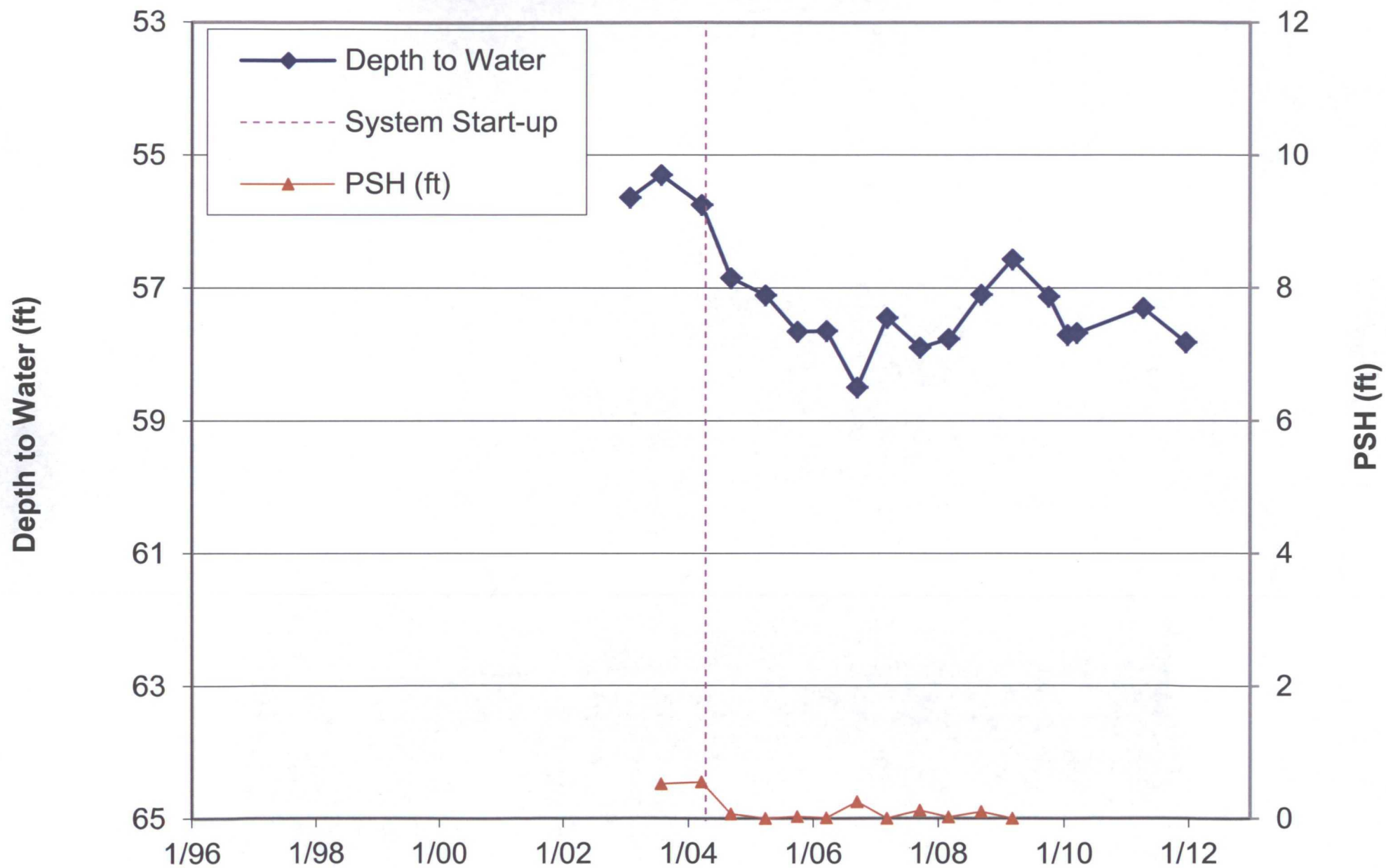
Hydrograph for Well MPE-17 Roswell Station Remediation Site



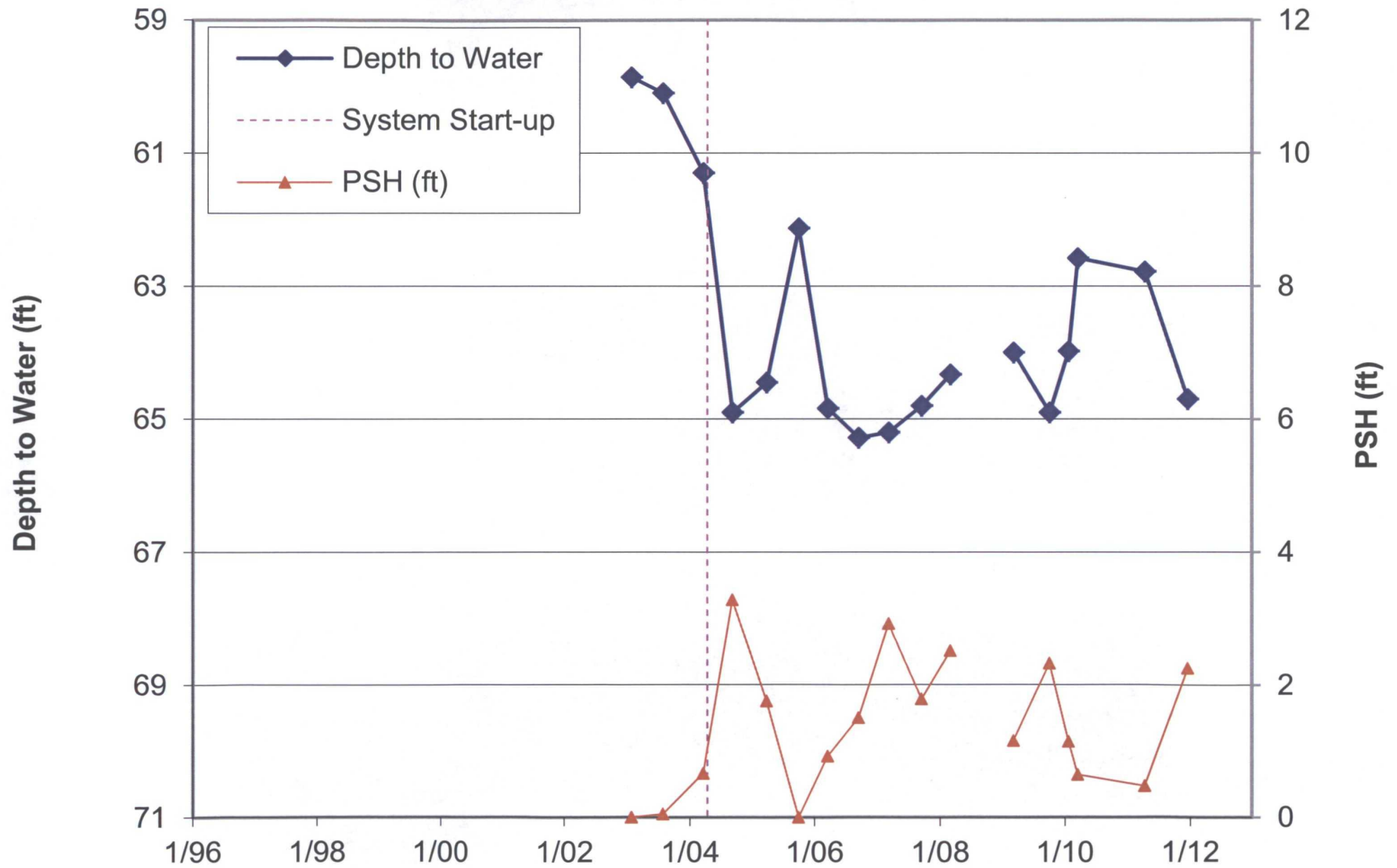
Hydrograph for Well MPE-20 Roswell Station Remediation Site



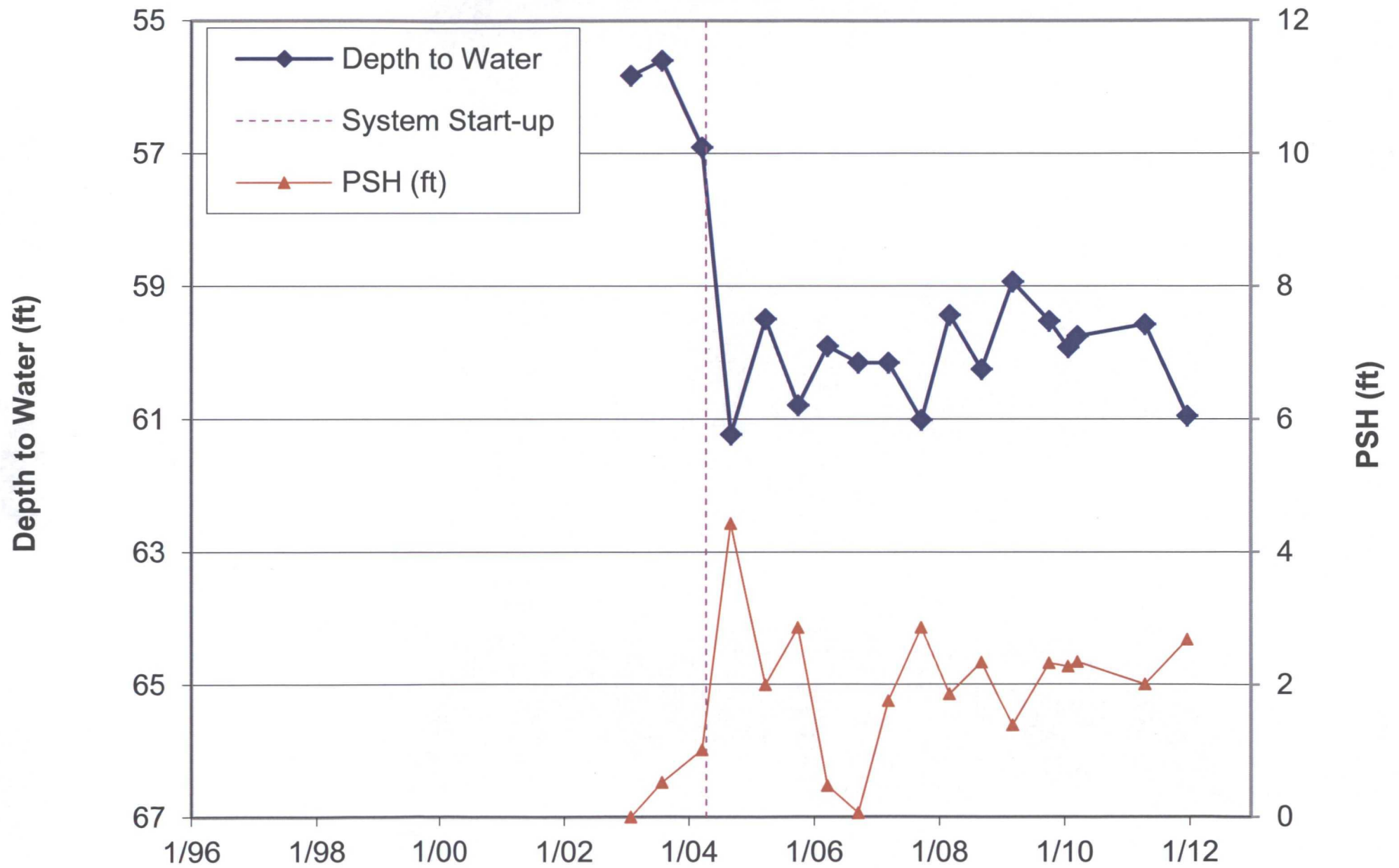
Hydrograph for Well MPE-21 Roswell Station Remediation Site



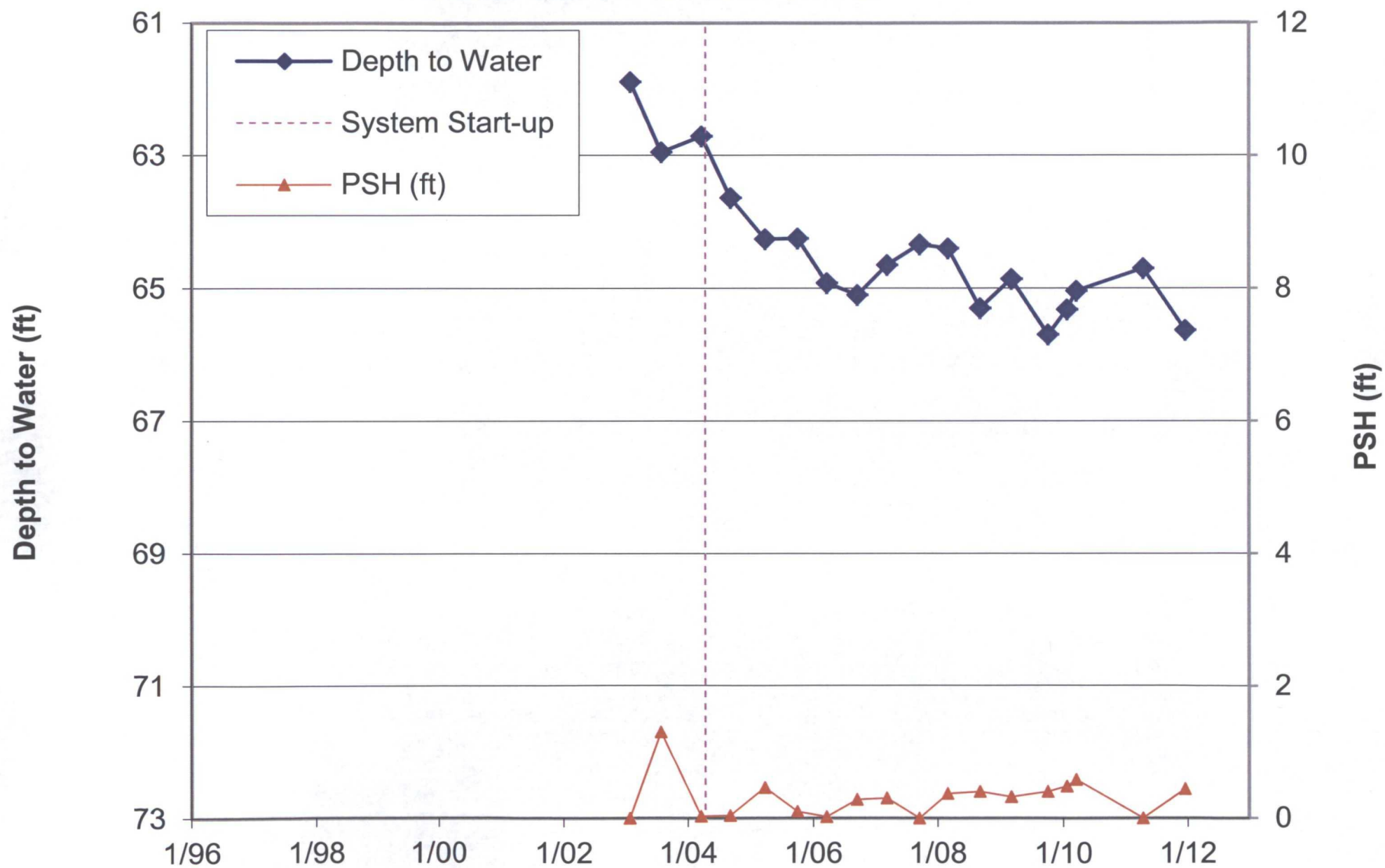
Hydrograph for Well MPE-23 Roswell Station Remediation Site



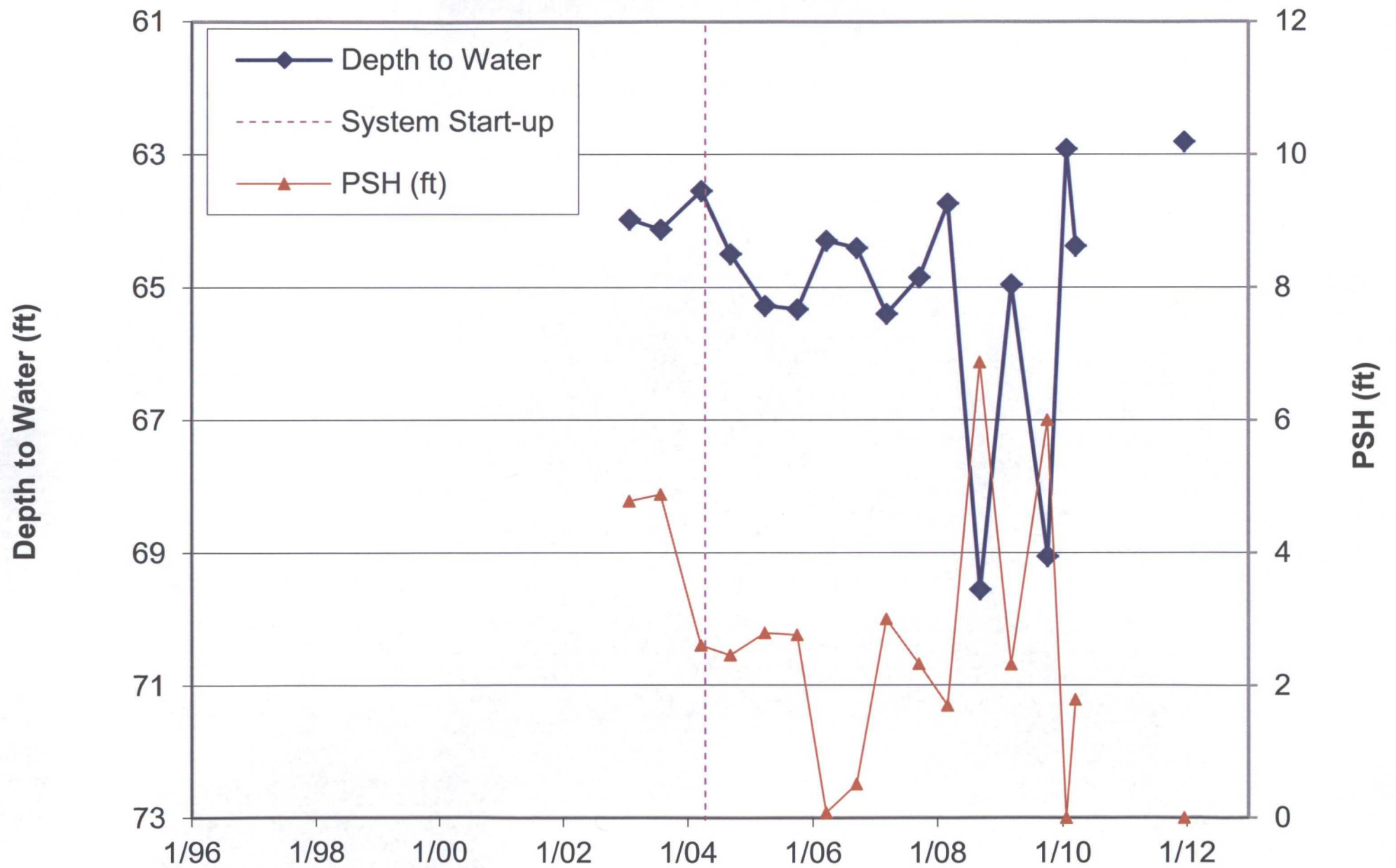
Hydrograph for Well MPE-24 Roswell Station Remediation Site



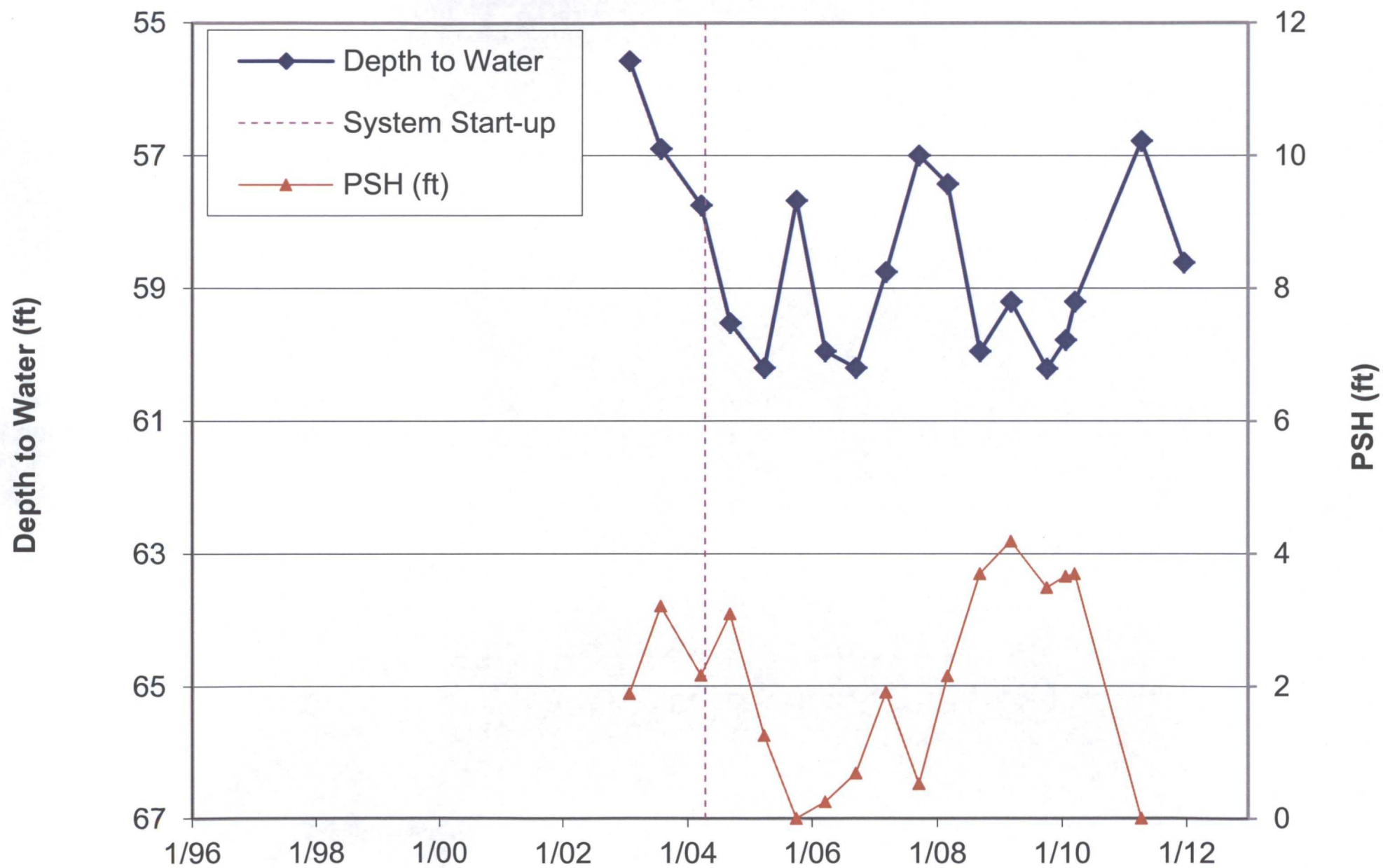
Hydrograph for Well MPE-26 Roswell Station Remediation Site



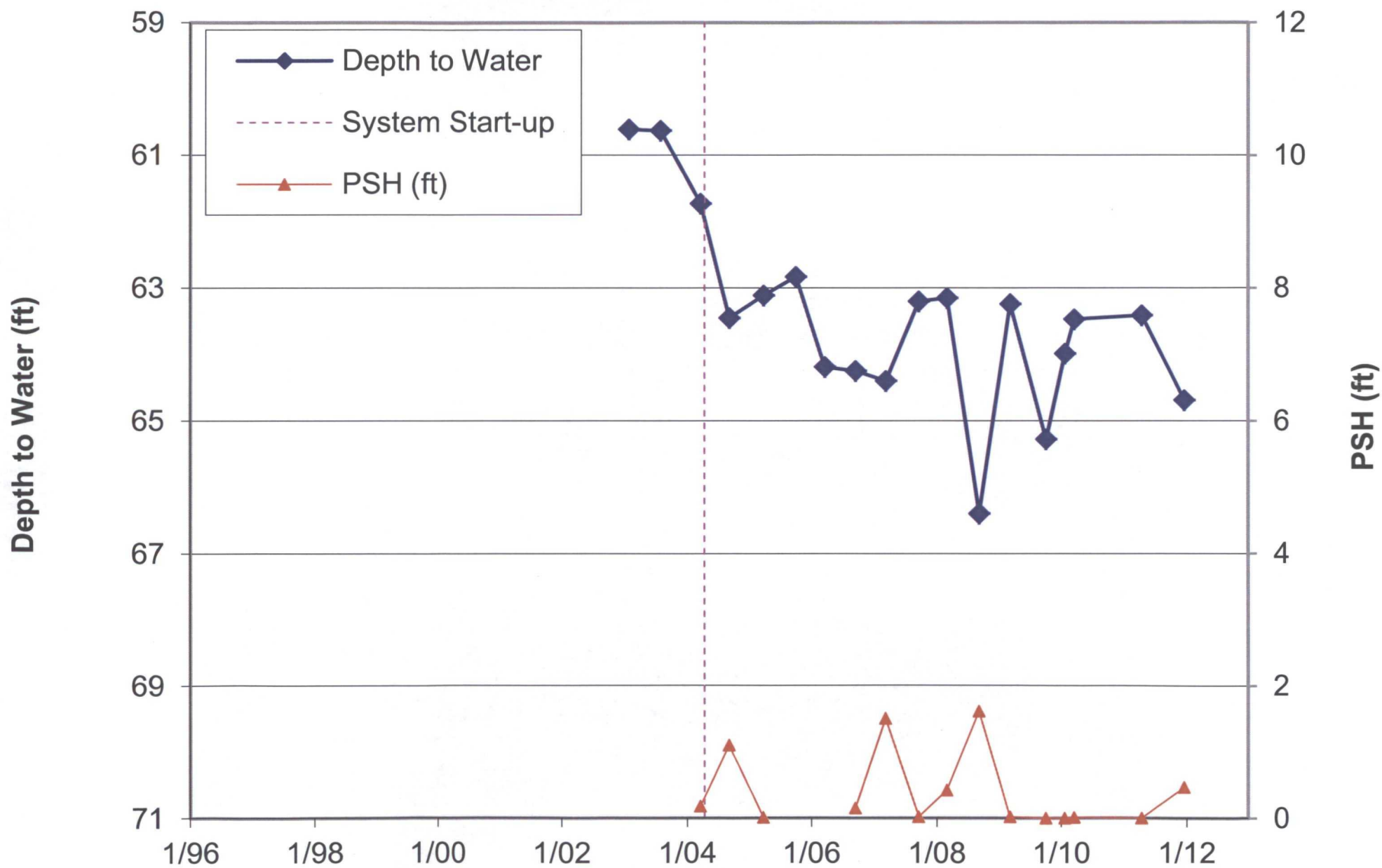
Hydrograph for Well MPE-27 Roswell Station Remediation Site



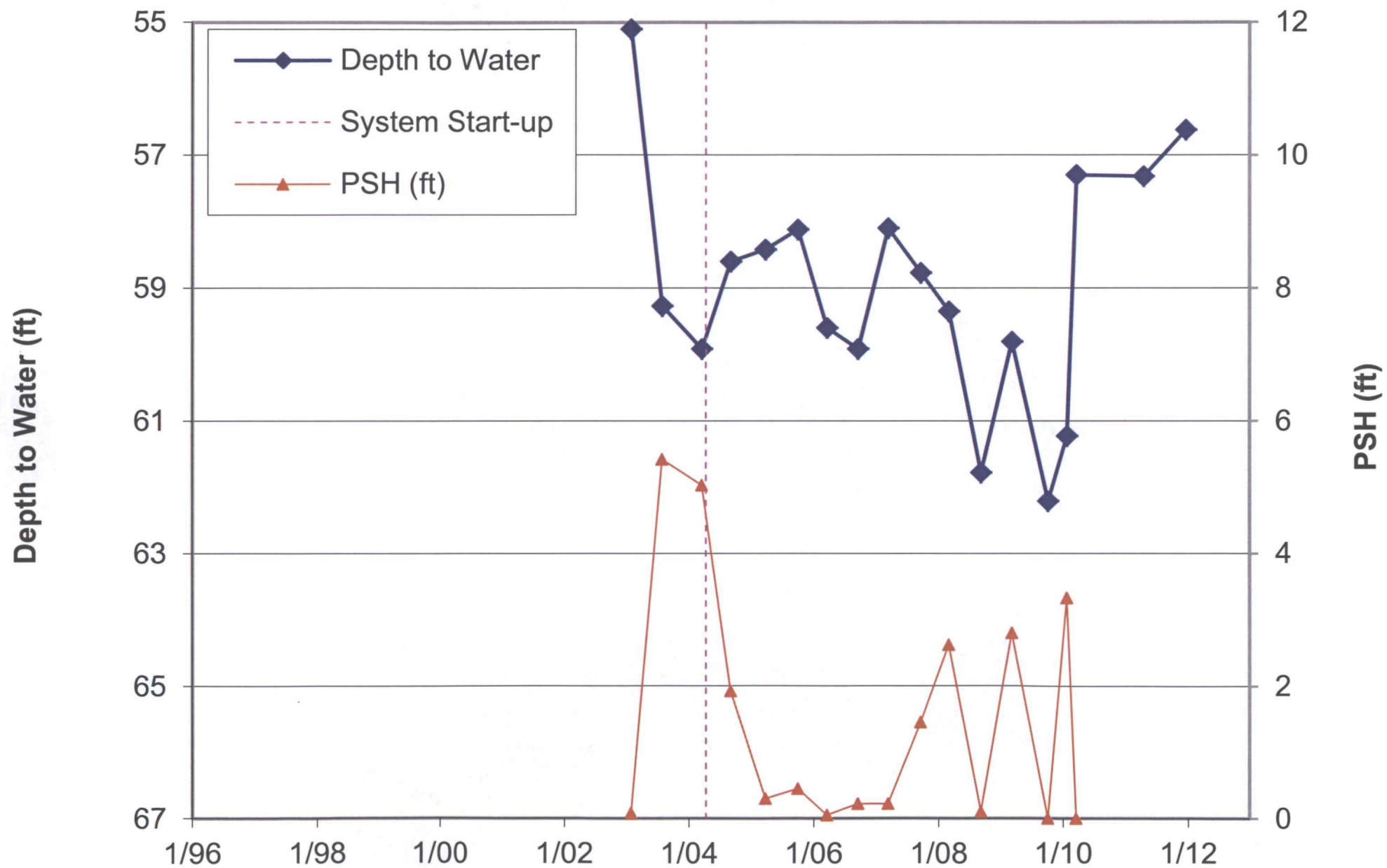
Hydrograph for Well MPE-28 Roswell Station Remediation Site



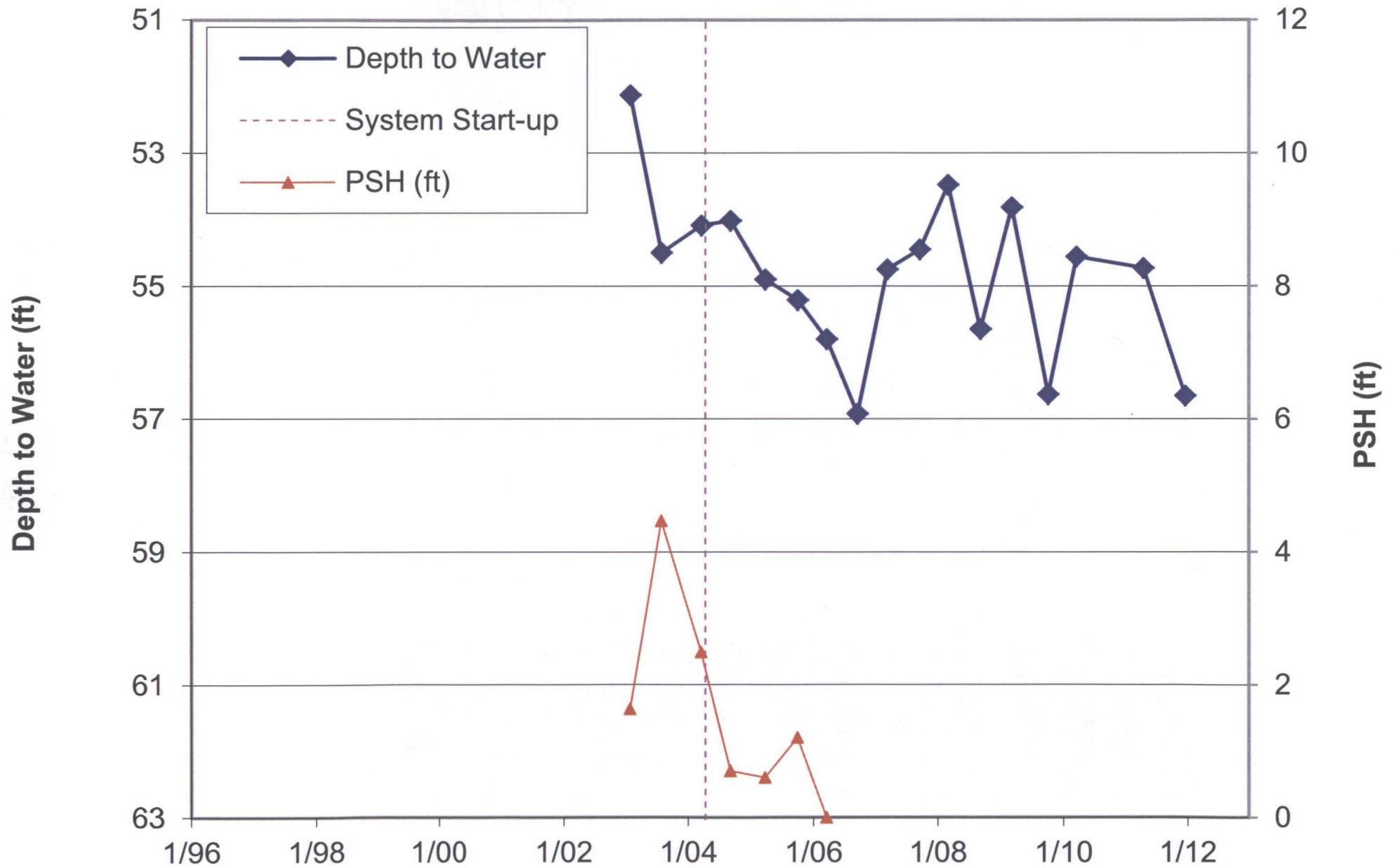
Hydrograph for Well MPE-31 Roswell Station Remediation Site



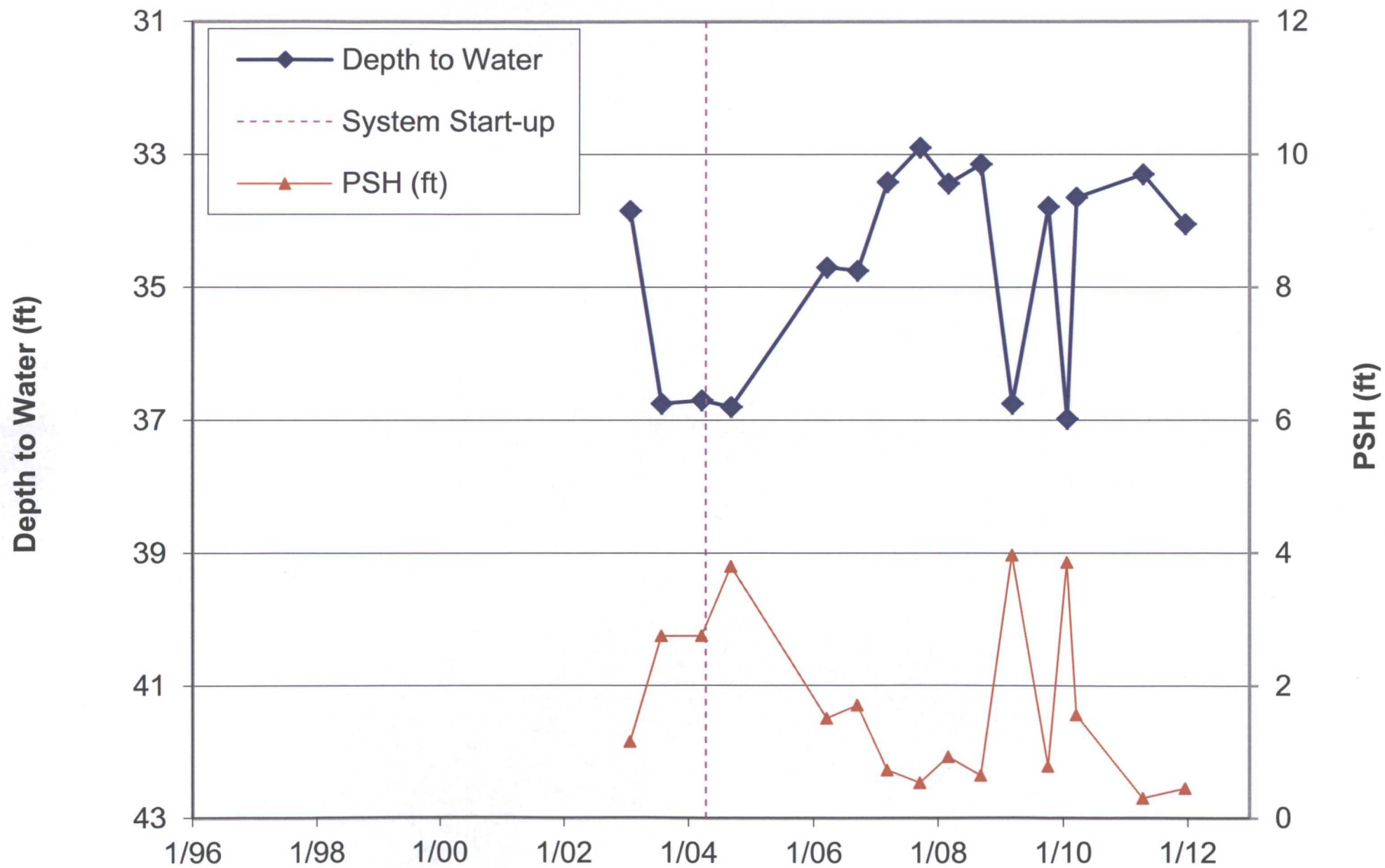
Hydrograph for Well MPE-32 Roswell Station Remediation Site



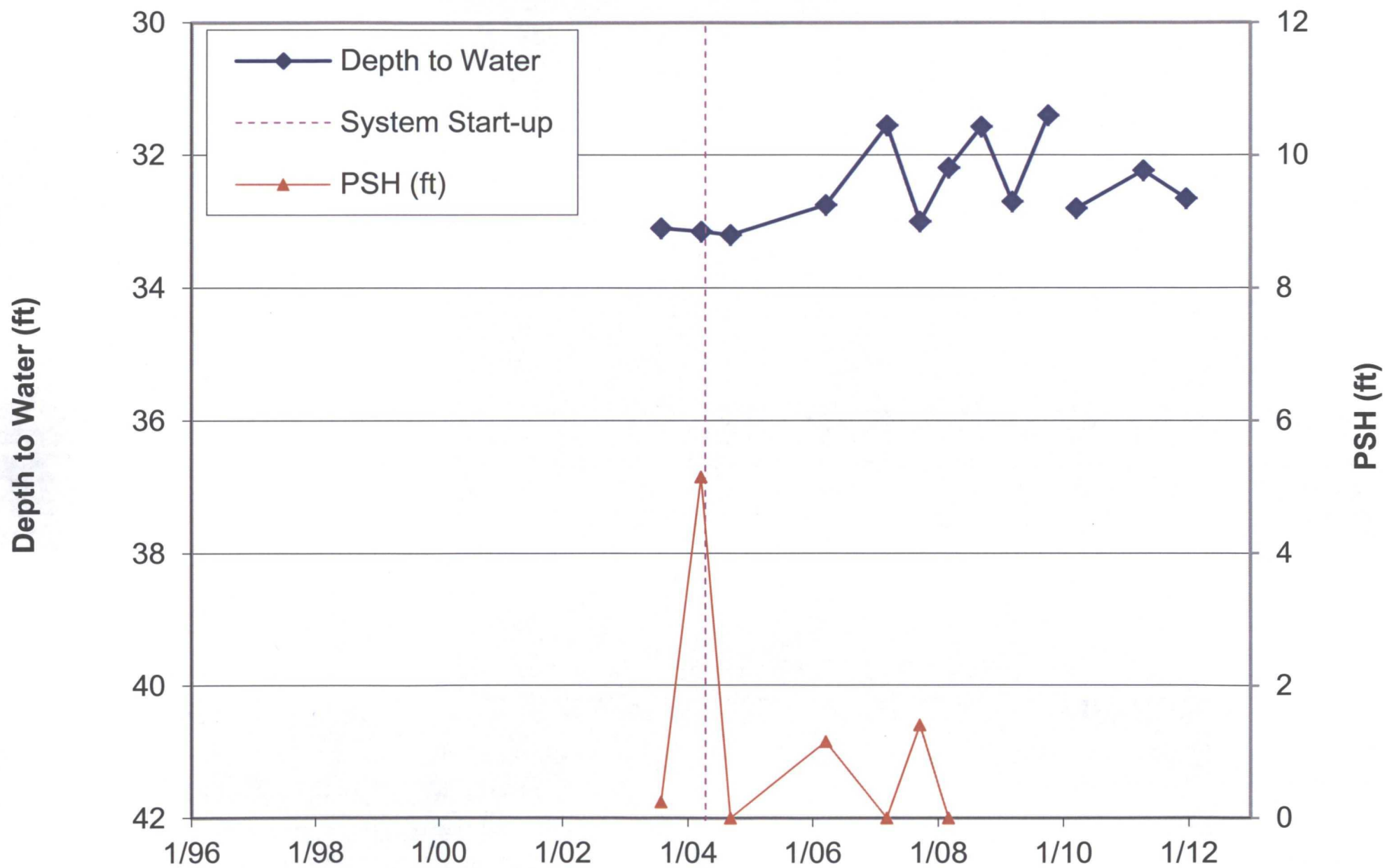
Hydrograph for Well MPE-33 Roswell Station Remediation Site



Hydrograph for Well SVE-23 Roswell Station Remediation Site



Hydrograph for Well SVE-25 Roswell Station Remediation Site

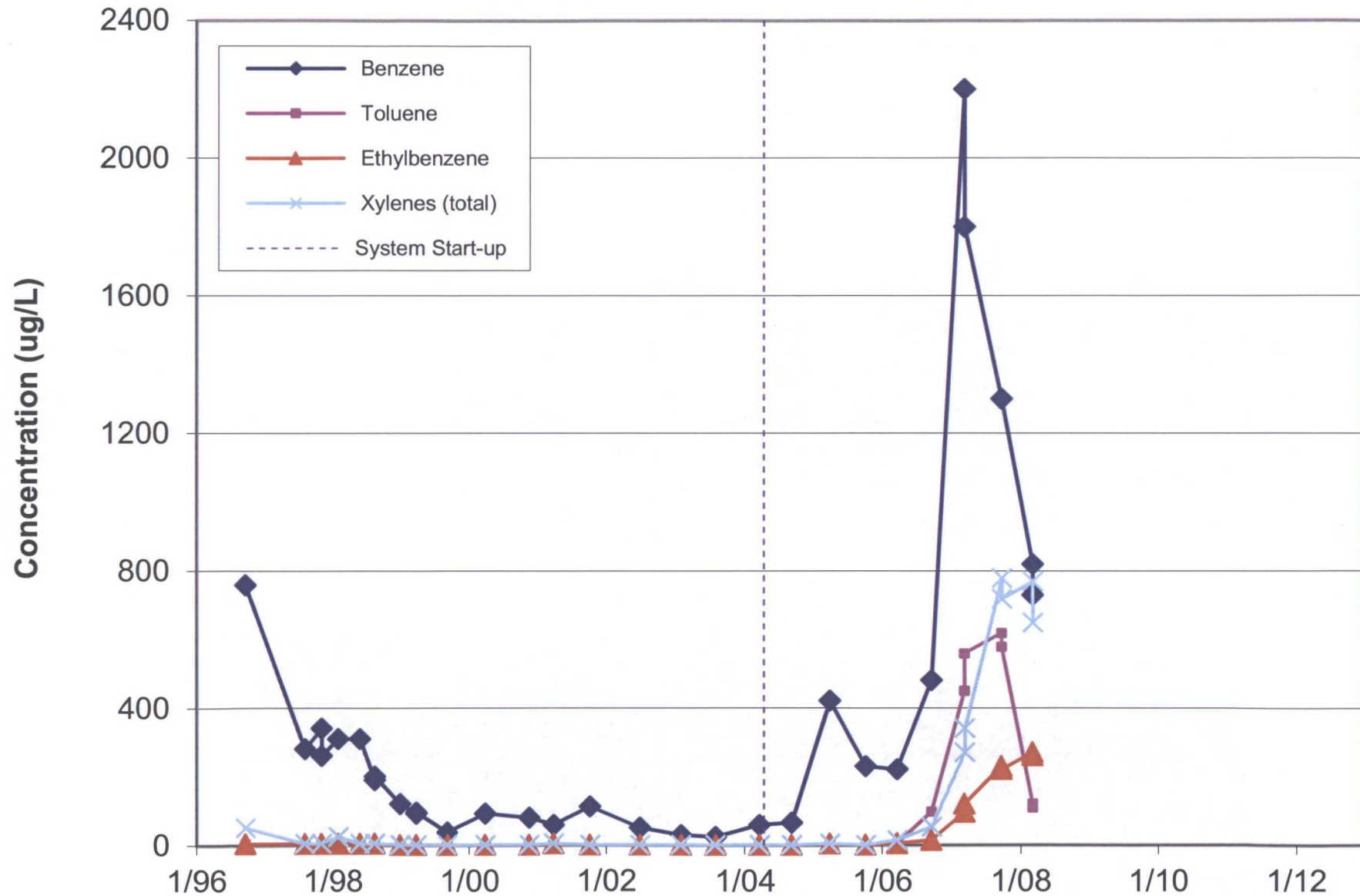


APPENDIX C

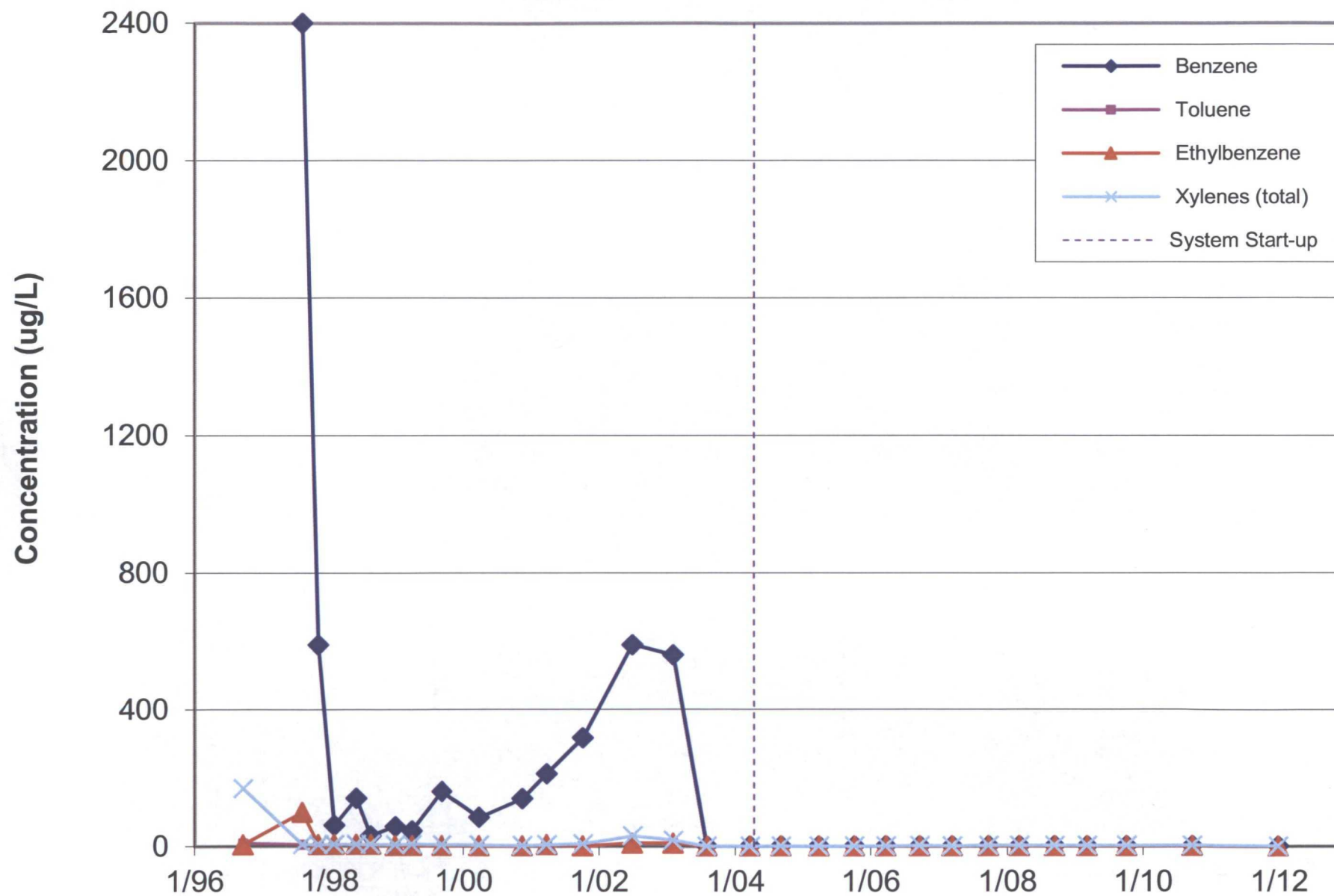
Concentration History Plots



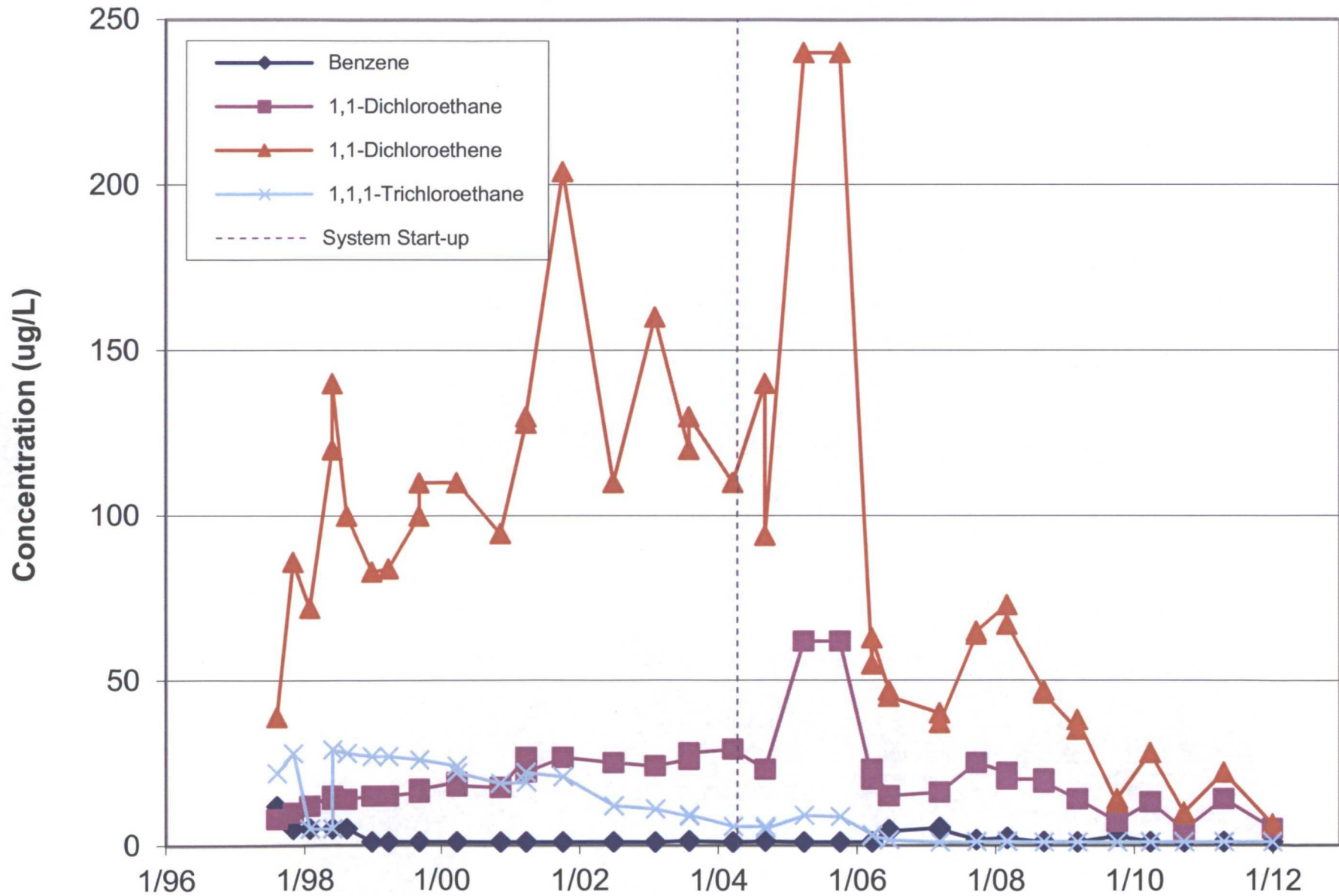
Concentration History at Well MW-12 Roswell Station Remediation Site



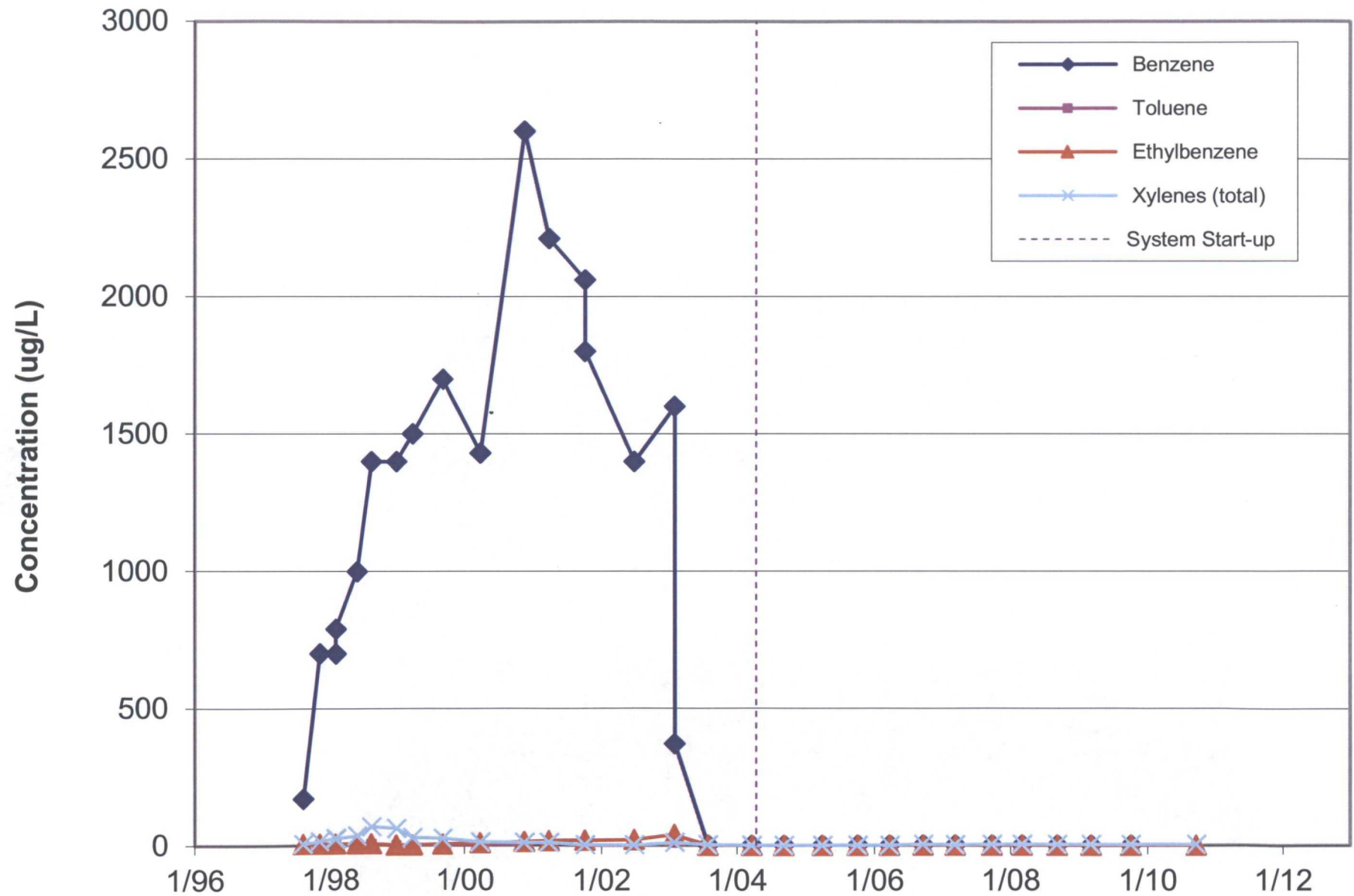
Concentration History at Well MW-13 Roswell Station Remediation Site



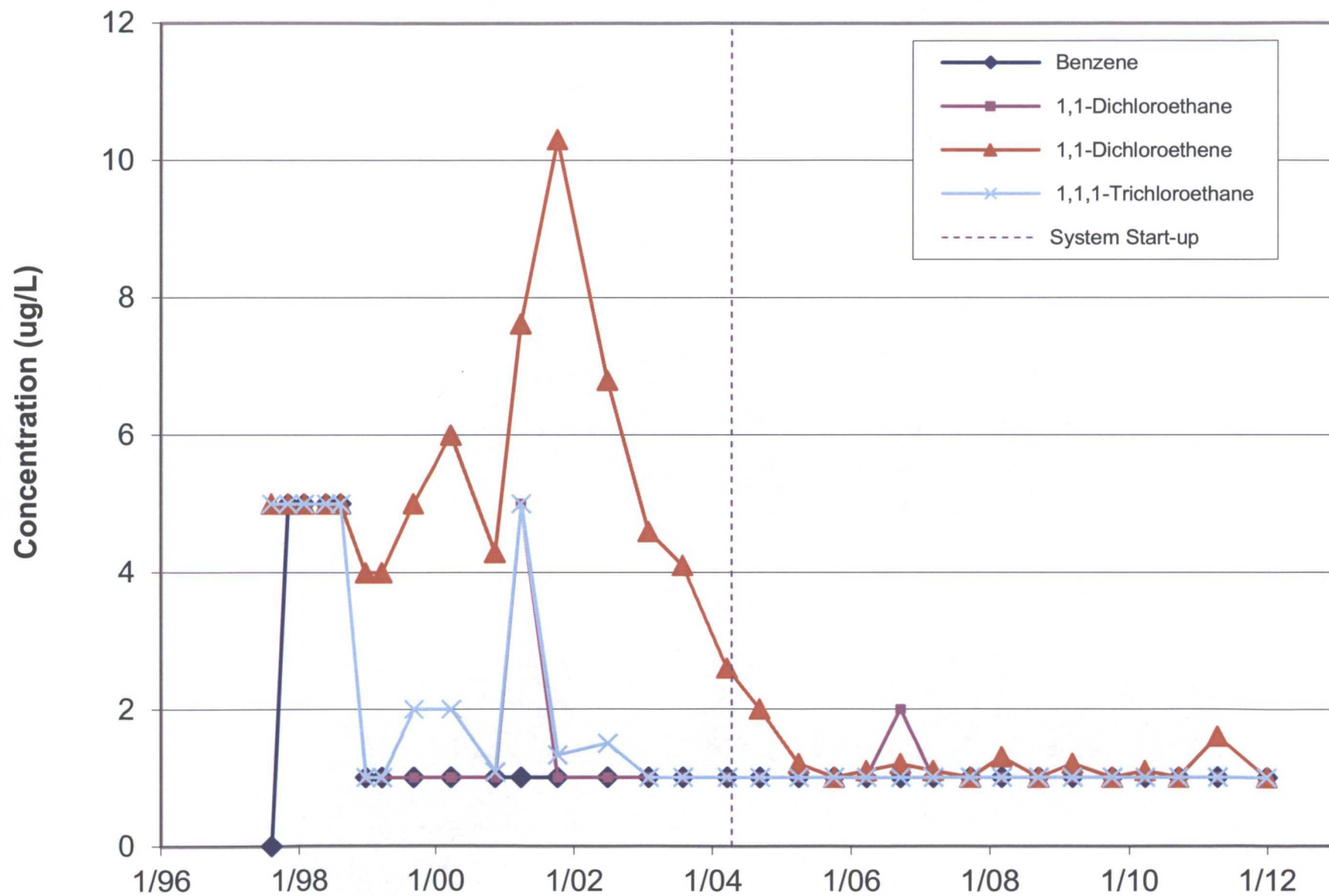
Concentration History at Well MW-20 TW Roswell Remediation Site



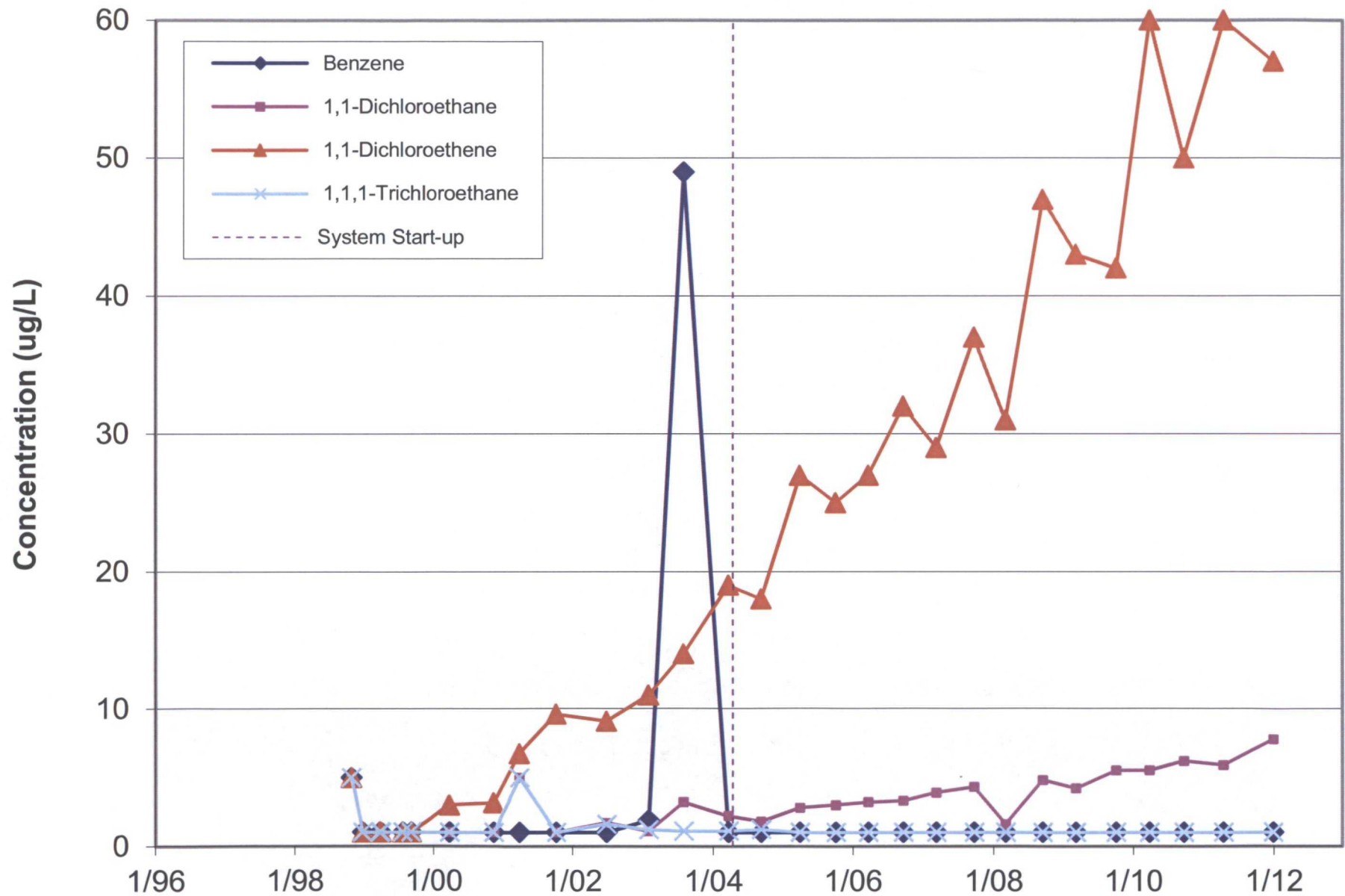
Concentration History at Well MW-21 Roswell Station Remediation Site



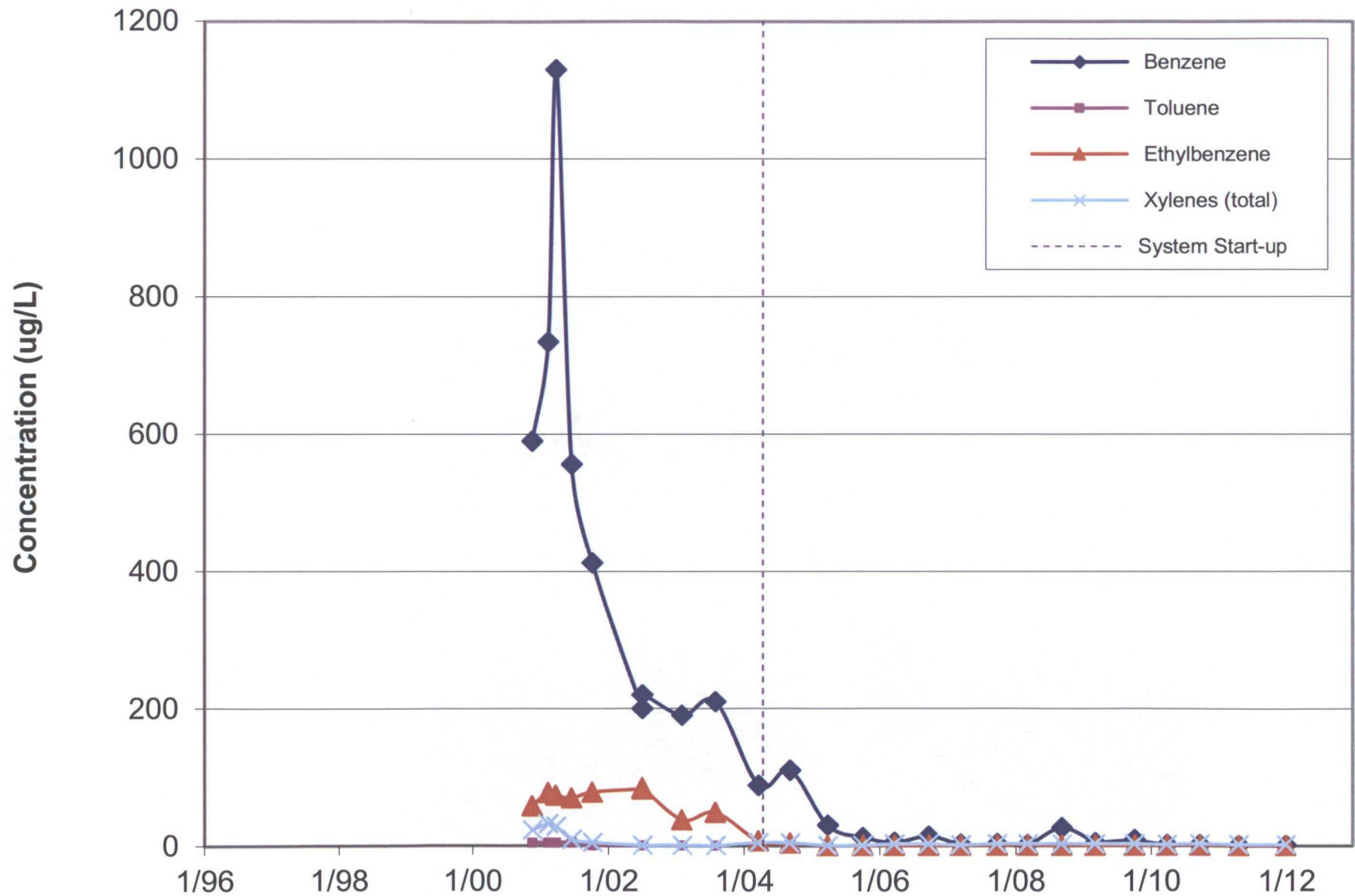
Concentration History at Well MW-22 Roswell Station Remediation Site



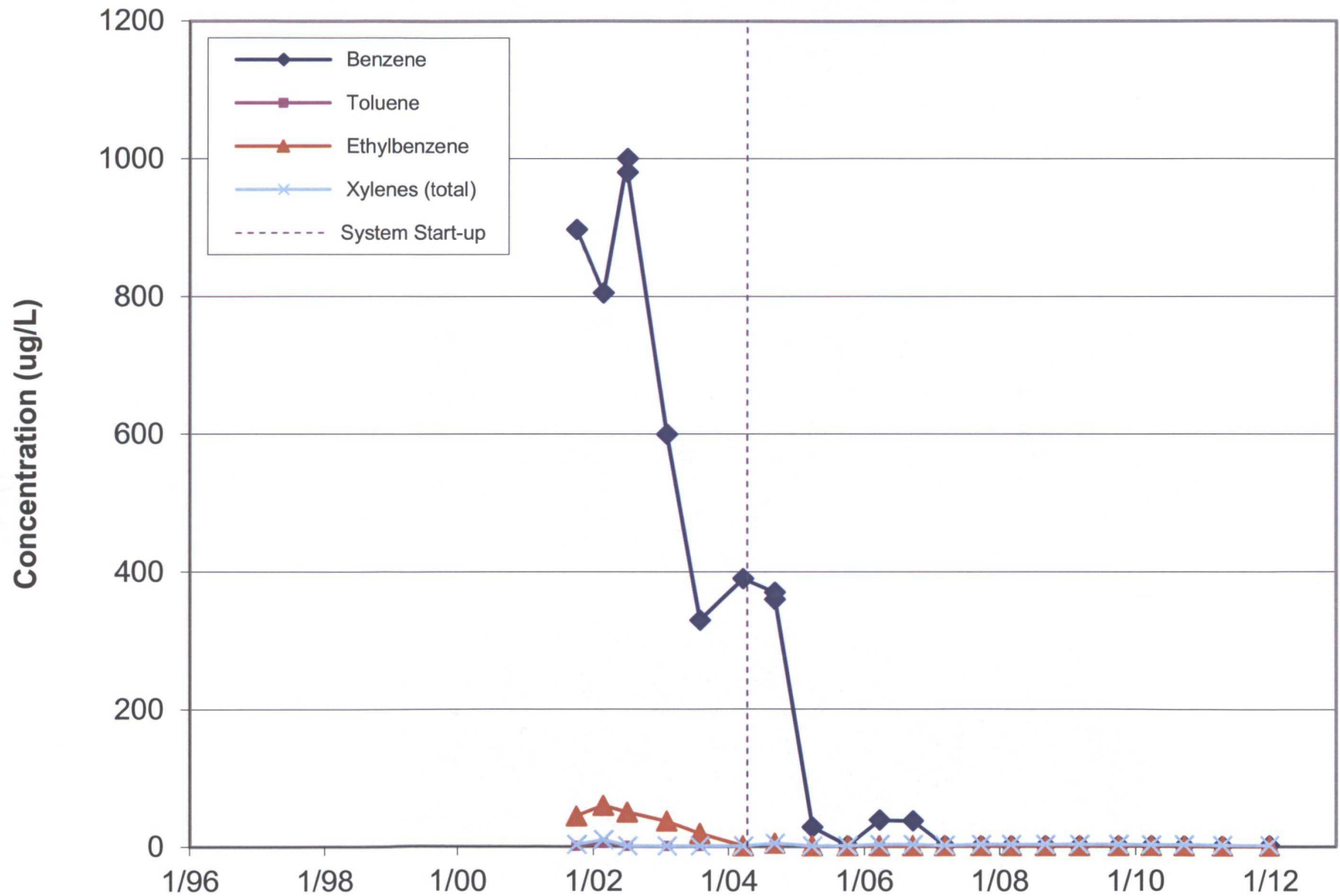
Concentration History at Well MW-26 Roswell Station Remediation Site



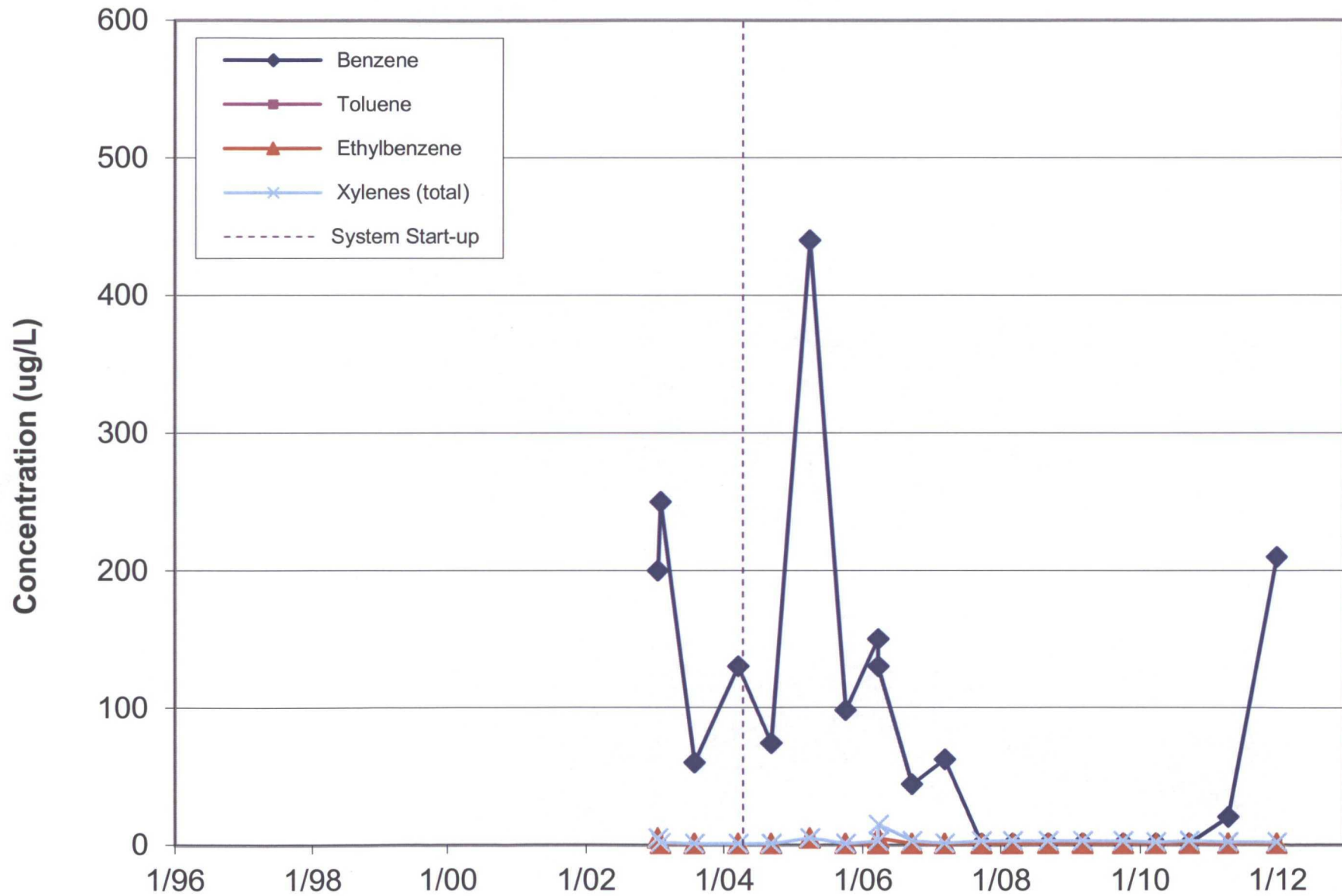
Concentration History at Well MW-29 Roswell Station Remediation Site



Concentration History at Well MW-32 Roswell Station Remediation Site



Concentration History at Well MW-34 Roswell Station Remediation Site



APPENDIX D

Laboratory Reports



LABORATORY REPORTS FOR SOIL VAPOR SAMPLES

COVER LETTER

Wednesday, August 17, 2011

George Robinson
Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 770952422

TEL: (281) 797-3420

FAX (281) 859-1881

RE: TWP Roswell Station #9

Order No.: 1108498

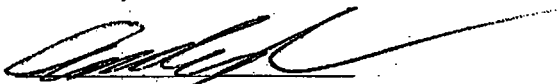
Dear George Robinson:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 8/11/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. 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. All samples are reported as received unless otherwise indicated.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,



Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682

Hall Environmental Analysis Laboratory, Inc.

Date: 17-Aug-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1108498
Project: TWP Roswell Station #9
Lab ID: 1108498-01

Client Sample ID: West Baker Furnace Influent
Collection Date: 8/10/2011 10:30:00 AM
Date Received: 8/11/2011
Matrix: AIR

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	3200	500		µg/L	100	8/11/2011 3:01:49 PM
Surr: BFB	103	49.7-209		%REC	100	8/11/2011 3:01:49 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 17-Aug-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1108498
Project: TWP Roswell Station #9
Lab ID: 1108498-02

Client Sample ID: East Baker Furnace Influent
Collection Date: 8/10/2011 10:35:00 AM
Date Received: 8/11/2011
Matrix: AIR

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	2200	250		µg/L	50	8/11/2011 3:30:56 PM
Surr: BFB	93.2	49.7-209		%REC	50	8/11/2011 3:30:56 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 17-Aug-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1108498
Project: TWP Roswell Station #9
Lab ID: 1108498-03

Client Sample ID: Circuit "A"
Collection Date: 8/10/2011 11:00:00 AM
Date Received: 8/11/2011
Matrix: AIR

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	2000	250		µg/L	50	8/12/2011 12:56:56 PM
Surr: BFB	101	49.7-209		%REC	50	8/12/2011 12:56:56 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 17-Aug-11

Analytical Report

CLIENT: Cypress Engineering

Client Sample ID: Circuit "B"

Lab Order: 1108498

Collection Date: 8/10/2011 11:30:00 AM

Project: TWP Roswell Station #9

Date Received: 8/11/2011

Lab ID: 1108498-04

Matrix: AIR

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	8100	500		µg/L	100	8/12/2011 1:26:32 PM
Surr: BFB	107	49.7-209		%REC	100	8/12/2011 1:26:32 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

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Hall Environmental Analysis Laboratory, Inc.

Date: 17-Aug-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1108498
Project: TWP Roswell Station #9
Lab ID: 1108498-05

Client Sample ID: Circuit Shallow
Collection Date: 8/10/2011 1:10:00 PM
Date Received: 8/11/2011
Matrix: AIR

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	15	5.0		µg/L	1	8/12/2011 1:55:18 PM
Surr: BFB	105	49.7-209		%REC	1	8/12/2011 1:55:18 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Page 5 of 7

Hall Environmental Analysis Laboratory, Inc.

Date: 17-Aug-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1108498
Project: TWP Roswell Station #9
Lab ID: 1108498-06

Client Sample ID: Circuit "D"
Collection Date: 8/10/2011 1:20:00 PM
Date Received: 8/11/2011
Matrix: AIR

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	24000	250		µg/L	50	8/12/2011 2:53:20 PM
Surr: BFB	145	49.7-209		%REC	50	8/12/2011 2:53:20 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 17-Aug-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1108498
Project: TWP Roswell Station #9
Lab ID: 1108498-07

Client Sample ID: Circuit "C"
Collection Date: 8/9/2011 1:40:00 PM
Date Received: 8/11/2011
Matrix: AIR

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	20000	250		µg/L	50	8/12/2011 3:22:49 PM
Surr: BFB	94.8	49.7-209		%REC	50	8/12/2011 3:22:49 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
 Location: TWP Roswell Station #9

Work Order: 1108498

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
---------	--------	-------	-----	--------	---------	------	----------	-----------	------	----------	------

Method: EPA Method 8015B: Gasoline Range

Sample ID: 5ML-RB MBLK

Batch ID: R47116 Analysis Date: 8/11/2011 7:45:26 AM

Gasoline Range Organics (GRO) ND mg/L 0.050

Sample ID: 2.5UG GRO LCS LCS

Batch ID: R47116 Analysis Date: 8/11/2011 9:45:40 AM

Gasoline Range Organics (GRO) 0.5350 mg/L 0.050 0.5 0 107 92.1 117

Method: EPA Method 8015B: Gasoline Range

Sample ID: 5ML-RB MBLK

Batch ID: R47151 Analysis Date: 8/12/2011 9:29:51 AM

Gasoline Range Organics (GRO) ND mg/L 0.050

Sample ID: 2.5UG GRO LCS LCS

Batch ID: R47151 Analysis Date: 8/12/2011 8:23:51 PM

Gasoline Range Organics (GRO) 0.5098 mg/L 0.050 0.5 0 102 92.1 117

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name CYP

Date Received:

8/11/2011

Work Order Number 1108498

Received by: MMG

Sample ID labels checked by:

Checklist completed by:

Signature

8/11/11
Date

Initials

Matrix:

Carrier name: UPS

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - Preservation labels on bottle and cap match?

Yes ☐

No ☐

N/A ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Number of preserved
bottles checked for
pH:

<2 >12 unless noted
below.

Container/Temp Blank temperature?

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Corrective Action

Chain of Custody Record

Client: Cypress Engineering Services
 ATTN: George Robinson, PE
 Mailing Address: 7177 Highway 6 North
Suite 102 Houston, TX 77055
 Phone #: 281-797-3420
 email or Fax#: George.Robinson@CypressInc.us
 QA/QC Package: Cypress Inc. us
☒ Standard ☐ Level 4 (Full Validation)
 Accreditation
☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Turn-Around Time: _____
☒ Standard ☐ Rush
 Project Name: TWP Roswell Station #9
 Project #: SVE Circuit-SVE
Air Sampling 2011
 Project Manager: George Robinson, PE
 Sampler: CM Barnhill PE
 On Ice: ☐ Yes ☒ No
 Sample Temperature: _____



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	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)
8/10/11	1030	AIR	West Baker Furnace Influent	2x1 Ltr Tedlar	None	1108498			X									
	1035		East Baker Furnace Influent			2												
	1100		Circuit "A"			3												
	1130		Circuit "B"			4												
	1310		Circuit Shallow			5												
	1320		Circuit "D"			6												
	1340		Circuit "C"			7												

Date: 8/10/11 Time: 1600 Relinquished by: [Signature]
 Date: _____ Time: _____ Relinquished by: _____
 Received by: Michael Gair Date: 8/11/11 Time: 9:50
 Received by: _____ Date: _____ Time: UPS

Remarks: Any Question Please Call
George Robinson @
281-797-3420

LABORATORY REPORTS FOR IRRIGATION WATER SAMPLES

COVER LETTER

Friday, August 19, 2011

Sandra Sharp
Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 770952422

TEL: (281) 797-3420

FAX (281) 859-1881

RE: TWP Roswell Station #9

Order No.: 1108499

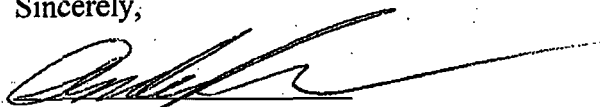
Dear Sandra Sharp:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 8/11/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. 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. All samples are reported as received unless otherwise indicated.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,



Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901

AZ license # AZ0682

Hall Environmental Analysis Laboratory, Inc.

Date: 19-Aug-11
Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1108499
Project: TWP Roswell Station #9
Lab ID: 1108499-01

Client Sample ID: Pre- Treatment
Collection Date: 8/10/2011 9:30:00 AM
Date Received: 8/11/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	970	50		µg/L	50	8/12/2011 4:53:11 PM
Toluene	1900	50		µg/L	50	8/12/2011 4:53:11 PM
Ethylbenzene	130	50		µg/L	50	8/12/2011 4:53:11 PM
Xylenes, Total	1400	100		µg/L	50	8/12/2011 4:53:11 PM
Surr: 4-Bromofluorobenzene	91.7	89.6-125		%REC	50	8/12/2011 4:53:11 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 19-Aug-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1108499
Project: TWP Roswell Station #9
Lab ID: 1108499-02

Client Sample ID: Post Air Stripper
Collection Date: 8/10/2011 9:30:00 AM
Date Received: 8/11/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	1.4	1.0		µg/L	1	8/15/2011 1:19:56 PM
Toluene	2.7	1.0		µg/L	1	8/15/2011 1:19:56 PM
Ethylbenzene	ND	1.0		µg/L	1	8/15/2011 1:19:56 PM
Xylenes, Total	3.0	2.0		µg/L	1	8/15/2011 1:19:56 PM
Surr: 4-Bromofluorobenzene	90.6	89.6-125		%REC	1	8/15/2011 1:19:56 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

Date: 19-Aug-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1108499
Project: TWP Roswell Station #9
Lab ID: 1108499-03

Client Sample ID: Between GAC's
Collection Date: 8/10/2011 9:30:00 AM
Date Received: 8/11/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/16/2011 4:16:47 PM
Toluene	ND	1.0		µg/L	1	8/16/2011 4:16:47 PM
Ethylbenzene	ND	1.0		µg/L	1	8/16/2011 4:16:47 PM
Xylenes, Total	ND	2.0		µg/L	1	8/16/2011 4:16:47 PM
Surr: 4-Bromofluorobenzene	86.6	89.6-125	S	%REC	1	8/16/2011 4:16:47 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 19-Aug-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1108499
Project: TWP Roswell Station #9
Lab ID: 1108499-04

Client Sample ID: Post-Treatment
Collection Date: 8/10/2011 9:30:00 AM
Date Received: 8/11/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SRM
Fluoride	1.1	0.50		mg/L	5	8/12/2011 2:28:28 PM
Chloride	490	25		mg/L	50	8/12/2011 2:39:41 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	8/11/2011 9:00:51 PM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	8/11/2011 8:27:10 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	8/11/2011 9:00:51 PM
Sulfate	1600	25		mg/L	50	8/12/2011 2:39:41 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: RAGS
Calcium	500	10		mg/L	10	8/18/2011 10:54:00 AM
Manganese	0.23	0.0020		mg/L	1	8/15/2011 11:22:52 AM
Potassium	3.7	1.0		mg/L	1	8/15/2011 11:22:52 AM
Sodium	230	5.0		mg/L	5	8/15/2011 11:31:16 AM
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Toluene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Ethylbenzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Naphthalene	ND	2.0		µg/L	1	8/15/2011 3:22:00 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/15/2011 3:22:00 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/15/2011 3:22:00 PM
Acetone	ND	10		µg/L	1	8/15/2011 3:22:00 PM
Bromobenzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Bromoform	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Bromomethane	ND	3.0		µg/L	1	8/15/2011 3:22:00 PM
2-Butanone	ND	10		µg/L	1	8/15/2011 3:22:00 PM
Carbon disulfide	ND	10		µg/L	1	8/15/2011 3:22:00 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Chlorobenzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Chloroethane	ND	2.0		µg/L	1	8/15/2011 3:22:00 PM
Chloroform	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Chloromethane	ND	3.0		µg/L	1	8/15/2011 3:22:00 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 19-Aug-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1108499
Project: TWP Roswell Station #9
Lab ID: 1108499-04

Client Sample ID: Post-Treatment
Collection Date: 8/10/2011 9:30:00 AM
Date Received: 8/11/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/15/2011 3:22:00 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Dibromomethane	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/15/2011 3:22:00 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
2-Hexanone	ND	10		µg/L	1	8/15/2011 3:22:00 PM
Isopropylbenzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/15/2011 3:22:00 PM
Methylene Chloride	ND	3.0		µg/L	1	8/15/2011 3:22:00 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Styrene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/15/2011 3:22:00 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/15/2011 3:22:00 PM
Vinyl chloride	ND	1.0		µg/L	1	8/15/2011 3:22:00 PM
Xylenes, Total	ND	1.5		µg/L	1	8/15/2011 3:22:00 PM
Surr: 1,2-Dichloroethane-d4	98.6	70-130		%REC	1	8/15/2011 3:22:00 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 19-Aug-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1108499
Project: TWP Roswell Station #9
Lab ID: 1108499-04

Client Sample ID: Post-Treatment
Collection Date: 8/10/2011 9:30:00 AM
Date Received: 8/11/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Surr: 4-Bromofluorobenzene	98.8	73-131		%REC	1	8/15/2011 3:22:00 PM
Surr: Dibromofluoromethane	103	70-130		%REC	1	8/15/2011 3:22:00 PM
Surr: Toluene-d8	97.6	70-130		%REC	1	8/15/2011 3:22:00 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
E Estimated value	H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
NC Non-Chlorinated	ND Not Detected at the Reporting Limit
PQL Practical Quantitation Limit	S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
Project: TWP Roswell Station #9

Work Order: 1108499

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: 1108499-04BMSD		MSD									
Nitrogen, Nitrate (As N)	2.298	mg/L	0.10	2.5	0	91.9	83.7	111	3.27	20	
Sample ID: MB		MBLK									
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		MBLK									
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		MBLK									
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		MBLK									
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		MBLK									
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		MBLK									
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		MBLK									
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
TWP Roswell Station #9

Work Order: 1108499

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		LCS				Batch ID: R47126		Analysis Date: 8/11/2011 1:54:07 PM			
Fluoride	0.4742	mg/L	0.10	0.5	0	94.8	90	110			
Chloride	4.781	mg/L	0.50	5	0	95.6	90	110			
Nitrogen, Nitrite (As N)	0.9388	mg/L	0.10	1	0	93.9	90	110			
Nitrogen, Nitrate (As N)	2.431	mg/L	0.10	2.5	0	97.2	90	110			
Phosphorus, Orthophosphate (As P)	4.726	mg/L	0.50	5	0	94.5	90	110			
Sulfate	9.634	mg/L	0.50	10	0	96.3	90	110			
Sample ID: LCS		LCS				Batch ID: R47126		Analysis Date: 8/11/2011 9:45:45 PM			
Fluoride	0.4885	mg/L	0.10	0.5	0	97.7	90	110			
Chloride	4.777	mg/L	0.50	5	0	95.5	90	110			
Nitrogen, Nitrite (As N)	0.9534	mg/L	0.10	1	0	95.3	90	110			
Nitrogen, Nitrate (As N)	2.431	mg/L	0.10	2.5	0	97.2	90	110			
Phosphorus, Orthophosphate (As P)	4.855	mg/L	0.50	5	0	97.1	90	110			
Sulfate	9.642	mg/L	0.50	10	0	96.4	90	110			
Sample ID: LCS		LCS				Batch ID: R47145		Analysis Date: 8/12/2011 10:55:06 AM			
Fluoride	0.4909	mg/L	0.10	0.5	0	98.2	90	110			
Chloride	4.823	mg/L	0.50	5	0	96.5	90	110			
Nitrogen, Nitrite (As N)	0.9338	mg/L	0.10	1	0	93.4	90	110			
Nitrogen, Nitrate (As N)	2.455	mg/L	0.10	2.5	0	98.2	90	110			
Phosphorus, Orthophosphate (As P)	4.820	mg/L	0.50	5	0	96.4	90	110			
Sulfate	9.771	mg/L	0.50	10	0	97.7	90	110			
Sample ID: LCS		LCS				Batch ID: R47145		Analysis Date: 8/12/2011 8:39:03 PM			
Fluoride	0.4957	mg/L	0.10	0.5	0	99.1	90	110			
Chloride	4.927	mg/L	0.50	5	0	98.5	90	110			
Nitrogen, Nitrite (As N)	0.9778	mg/L	0.10	1	0	97.8	90	110			
Nitrogen, Nitrate (As N)	2.505	mg/L	0.10	2.5	0	100	90	110			
Phosphorus, Orthophosphate (As P)	4.990	mg/L	0.50	5	0	99.8	90	110			
Sulfate	9.923	mg/L	0.50	10	0	99.2	90	110			
Sample ID: LCS		LCS				Batch ID: R47175		Analysis Date: 8/15/2011 12:30:43 PM			
Fluoride	0.4986	mg/L	0.10	0.5	0	99.7	90	110			
Chloride	5.016	mg/L	0.50	5	0	100	90	110			
Nitrogen, Nitrite (As N)	0.9774	mg/L	0.10	1	0	97.7	90	110			
Nitrogen, Nitrate (As N)	2.544	mg/L	0.10	2.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	4.892	mg/L	0.50	5	0	97.8	90	110			
Sulfate	10.08	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		LCS				Batch ID: R47175		Analysis Date: 8/16/2011 1:59:22 AM			
Fluoride	0.4890	mg/L	0.10	0.5	0	97.8	90	110			
Chloride	4.828	mg/L	0.50	5	0	96.6	90	110			
Nitrogen, Nitrite (As N)	0.9436	mg/L	0.10	1	0	94.4	90	110			
Nitrogen, Nitrate (As N)	2.465	mg/L	0.10	2.5	0	98.6	90	110			
Phosphorus, Orthophosphate (As P)	4.810	mg/L	0.50	5	0	96.2	90	110			
Sulfate	9.671	mg/L	0.50	10	0	96.7	90	110			
Sample ID: 1108499-04BMS		MS				Batch ID: R47126		Analysis Date: 8/11/2011 8:38:23 PM			
Nitrogen, Nitrate (As N)	2.374	mg/L	0.10	2.5	0	95.0	83.7	111			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
Project: TWP Roswell Station #9

Work Order: 1108499

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 1108499-01A MSD		MSD				Batch ID: R47151	Analysis Date: 8/12/2011 7:23:29 PM				
Benzene	1960	µg/L	50	1000	970.2	98.9	76.6	119	0.563	16.4	
Toluene	2810	µg/L	50	1000	1865	94.5	77.3	118	0.901	13.9	
Ethylbenzene	1101	µg/L	50	1000	126.7	97.4	76.6	114	1.18	13.5	
Xylenes, Total	4336	µg/L	100	3000	1415	97.4	82	113	0.904	12.9	
Sample ID: 5ML-RB		MBLK				Batch ID: R47151	Analysis Date: 8/12/2011 9:29:51 AM				
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 5ML RB		MBLK				Batch ID: R47168	Analysis Date: 8/15/2011 10:04:10 AM				
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 5ML RB		MBLK				Batch ID: R47192	Analysis Date: 8/16/2011 9:35:51 AM				
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		LCS				Batch ID: R47151	Analysis Date: 8/12/2011 7:53:42 PM				
Benzene	20.72	µg/L	1.0	20	0	104	80	120			
Toluene	20.71	µg/L	1.0	20	0	104	80	120			
Ethylbenzene	20.17	µg/L	1.0	20	0.146	100	80	120			
Xylenes, Total	62.15	µg/L	2.0	60	0	104	80	120			
Sample ID: 100NG BTEX LCS		LCS				Batch ID: R47192	Analysis Date: 8/16/2011 9:17:15 PM				
Benzene	19.94	µg/L	1.0	20	0	99.7	80	120			
Toluene	19.72	µg/L	1.0	20	0	98.6	80	120			
Ethylbenzene	19.67	µg/L	1.0	20	0	98.4	80	120			
Xylenes, Total	60.73	µg/L	2.0	60	0	101	80	120			
Sample ID: 1108499-01A MS		MS				Batch ID: R47151	Analysis Date: 8/12/2011 6:53:21 PM				
Benzene	1949	µg/L	50	1000	970.2	97.8	76.6	119			
Toluene	2784	µg/L	50	1000	1865	92.0	77.3	118			
Ethylbenzene	1088	µg/L	50	1000	126.7	96.1	76.6	114			
Xylenes, Total	4376	µg/L	100	3000	1415	98.7	82	113			

Qualifiers:

E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
NC Non-Chlorinated
R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
 Project: TWP Roswell Station #9

Work Order: 1108499

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml rb

MBLK

Batch ID: R47181 Analysis Date: 8/15/2011 9:53:11 AM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	3.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
benzene	ND	µg/L	1.0
methane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0
Chloromethane	ND	µg/L	3.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0
2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0

Notes:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
Project: TWP Roswell Station #9

Work Order: 1108499

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml rb

MBLK

Batch ID: R47181 Analysis Date: 8/15/2011 9:53:11 AM

4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0
Trichloroethene (TCE)	ND	µg/L	1.0
Trichlorofluoromethane	ND	µg/L	1.0
1,2,3-Trichloropropane	ND	µg/L	2.0
Vinyl chloride	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	1.5

Sample ID: 100ng lcs

LCS

Batch ID: R47181 Analysis Date: 8/15/2011 10:49:19 AM

Benzene	21.01	µg/L	1.0	20	0	105	81.1	130
Toluene	20.54	µg/L	1.0	20	0	103	82.3	122
Chlorobenzene	19.86	µg/L	1.0	20	0	99.3	70	130
1,1-Dichloroethene	18.99	µg/L	1.0	20	0	94.9	83.1	126
Trichloroethene (TCE)	19.37	µg/L	1.0	20	0	96.9	67.4	137

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
TWP Roswell Station #9

Work Order: 1108499

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8010B: Dissolved Metals											
Sample ID: 1108499-04CMSD		MSD				Batch ID: R47156	Analysis Date: 8/15/2011 11:29:03 AM				
Manganese	0.7027	mg/L	0.0020	0.5	0.2346	93.6	75	125	0.529	20	
Potassium	52.41	mg/L	1.0	50	3.738	97.3	75	125	2.08	20	
Sample ID: MB		MBLK				Batch ID: R47156	Analysis Date: 8/15/2011 10:49:23 AM				
Calcium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Sample ID: MB		MBLK				Batch ID: R47234	Analysis Date: 8/18/2011 9:45:30 AM				
Calcium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Sample ID: LCS		LCS				Batch ID: R47156	Analysis Date: 8/15/2011 10:53:08 AM				
Calcium	48.51	mg/L	1.0	50	0.0794	96.9	80	120			
Manganese	0.4664	mg/L	0.0020	0.5	0	93.3	80	120			
Potassium	48.69	mg/L	1.0	50	0.1732	97.0	80	120			
Sodium	49.27	mg/L	1.0	50	0.1251	98.3	80	120			
Sample ID: LCS		LCS				Batch ID: R47234	Analysis Date: 8/18/2011 9:58:20 AM				
Calcium	50.21	mg/L	1.0	50	0	100	80	120			
Manganese	0.4390	mg/L	0.0020	0.5	0	87.8	80	120			
Potassium	48.24	mg/L	1.0	50	0	96.5	80	120			
Sodium	48.64	mg/L	1.0	50	0	97.3	80	120			
Sample ID: 1108499-04CMS		MS				Batch ID: R47156	Analysis Date: 8/15/2011 11:26:49 AM				
Manganese	0.7064	mg/L	0.0020	0.5	0.2346	94.4	75	125			
Potassium	53.51	mg/L	1.0	50	3.738	99.6	75	125			

E Estimated value
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 H Holding times for preparation or analysis exceeded
 NC Non-Chlorinated
 R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name CYP

Date Received:

8/11/2011

Work Order Number 1108499

Received by: MMG

Checklist completed by:

Signature

8/11/11

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name: UPS

- | | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☒ | No ☐ | Not Present ☐ |
| Custody seals intact on shipping container/cooler? | Yes ☒ | No ☐ | Not Present ☐ Not Shipped ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | N/A ☒ |
| Chain of custody present? | Yes ☒ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☒ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☒ | No ☐ | |
| Samples in proper container/bottle? | Yes ☒ | No ☐ | |
| Sample containers intact? | Yes ☒ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☒ | No ☐ | |
| All samples received within holding time? | Yes ☒ | No ☐ | |
| Water - VOA vials have zero headspace? | No VOA vials submitted ☐ | Yes ☒ <i>MMH 8/11</i> | No ☒ |
| Water - Preservation labels on bottle and cap match? | Yes ☒ | No ☐ | N/A ☐ |
| Water - pH acceptable upon receipt? | Yes ☒ | No ☐ | N/A ☐ |

Number of preserved bottles checked for pH:

2
<2 >12 unless noted below.

Container/Temp Blank temperature?

5.5°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

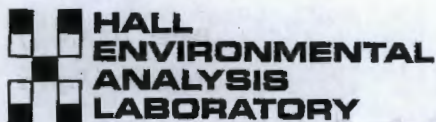
Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: *spoke w/George Robinson on 8/11/11 verified*

anions they wanted to run 8/11/11

Corrective Action _____



COVER LETTER

Monday, November 07, 2011

Sandra Sharp
Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 770952422

TEL: (281) 797-3420

FAX (281) 859-1881

RE: TWP Roswell Station 9

Order No.: 1110605

Dear Sandra Sharp:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 10/12/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. 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. All samples are reported as received unless otherwise indicated.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

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

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Nov-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1110605
Project: TWP Roswell Station 9
Lab ID: 1110605-01

Client Sample ID: Pre- Treatment
Collection Date: 10/9/2011 8:30:00 AM
Date Received: 10/12/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	3000	50		µg/L	50	10/13/2011 3:45:07 PM
Toluene	4800	50		µg/L	50	10/13/2011 3:45:07 PM
Ethylbenzene	240	50		µg/L	50	10/13/2011 3:45:07 PM
Xylenes, Total	2500	100		µg/L	50	10/13/2011 3:45:07 PM
Surr: 4-Bromofluorobenzene	98.0	76.5-115		%REC	50	10/13/2011 3:45:07 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Nov-11

Analytical Report

CLIENT: Cypress Engineering

Client Sample ID: Post Air Stripper

Lab Order: 1110605

Collection Date: 10/9/2011 8:30:00 AM

Project: TWP Roswell Station 9

Date Received: 10/12/2011

Lab ID: 1110605-02

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	21	1.0		µg/L	1	10/13/2011 5:40:20 PM
Toluene	37	1.0		µg/L	1	10/13/2011 5:40:20 PM
Ethylbenzene	2.0	1.0		µg/L	1	10/13/2011 5:40:20 PM
Xylenes, Total	22	2.0		µg/L	1	10/13/2011 5:40:20 PM
Surr: 4-Bromofluorobenzene	98.1	76.5-115		%REC	1	10/13/2011 5:40:20 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Page 2 of 8

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Nov-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1110605
Project: TWP Roswell Station 9
Lab ID: 1110605-03

Client Sample ID: Between GAC's
Collection Date: 10/9/2011 8:30:00 AM
Date Received: 10/12/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	3.2	1.0		µg/L	1	10/13/2011 6:09:16 PM
Toluene	1.6	1.0		µg/L	1	10/13/2011 6:09:16 PM
Ethylbenzene	ND	1.0		µg/L	1	10/13/2011 6:09:16 PM
Xylenes, Total	ND	2.0		µg/L	1	10/13/2011 6:09:16 PM
Surr: 4-Bromofluorobenzene	95.1	76.5-115		%REC	1	10/13/2011 6:09:16 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Nov-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1110605
Project: TWP Roswell Station 9
Lab ID: 1110605-04

Client Sample ID: Post-Treatment
Collection Date: 10/9/2011 8:30:00 AM
Date Received: 10/12/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SRM
Fluoride	1.5	0.10		mg/L	1	10/13/2011 1:14:56 PM
Chloride	430	25		mg/L	50	10/22/2011 7:21:08 PM
Nitrate (As N)+Nitrite (As N)	1.4	1.0		mg/L	5	10/22/2011 1:28:28 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/13/2011 1:14:56 PM
Sulfate	1400	25		mg/L	50	10/22/2011 7:21:08 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: ELS
Calcium	490	10		mg/L	10	10/25/2011 12:38:58 PM
Magnesium	160	5.0		mg/L	5	10/24/2011 7:19:02 AM
Potassium	2.8	1.0		mg/L	1	10/17/2011 10:12:02 AM
Sodium	220	5.0		mg/L	5	10/24/2011 7:19:02 AM
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Toluene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Ethylbenzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Naphthalene	ND	2.0		µg/L	1	10/14/2011 11:03:56 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/14/2011 11:03:56 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/14/2011 11:03:56 PM
Acetone	ND	10		µg/L	1	10/14/2011 11:03:56 PM
Bromobenzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Bromoform	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Bromomethane	ND	3.0		µg/L	1	10/14/2011 11:03:56 PM
2-Butanone	ND	10		µg/L	1	10/14/2011 11:03:56 PM
Carbon disulfide	ND	10		µg/L	1	10/14/2011 11:03:56 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Chlorobenzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Chloroethane	ND	2.0		µg/L	1	10/14/2011 11:03:56 PM
Chloroform	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Chloromethane	ND	3.0		µg/L	1	10/14/2011 11:03:56 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Nov-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1110605
Project: TWP Roswell Station 9
Lab ID: 1110605-04

Client Sample ID: Post-Treatment
Collection Date: 10/9/2011 8:30:00 AM
Date Received: 10/12/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/14/2011 11:03:56 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Dibromomethane	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/14/2011 11:03:56 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
2-Hexanone	ND	10		µg/L	1	10/14/2011 11:03:56 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/14/2011 11:03:56 PM
Methylene Chloride	ND	3.0		µg/L	1	10/14/2011 11:03:56 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Styrene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/14/2011 11:03:56 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/14/2011 11:03:56 PM
Vinyl chloride	ND	1.0		µg/L	1	10/14/2011 11:03:56 PM
Xylenes, Total	ND	1.5		µg/L	1	10/14/2011 11:03:56 PM
Surr: 1,2-Dichloroethane-d4	98.2	70-130		%REC	1	10/14/2011 11:03:56 PM
Surr: 4-Bromofluorobenzene	89.8	73-131		%REC	1	10/14/2011 11:03:56 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Date: 07-Nov-11
Analytical Report

CLIENT: Cypress Engineering

Client Sample ID: Post-Treatment

Lab Order: 1110605

Collection Date: 10/9/2011 8:30:00 AM

Project: TWP Roswell Station 9

Date Received: 10/12/2011

Lab ID: 1110605-04

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Surr: Dibromofluoromethane	90.2	70-130	%REC		1	10/14/2011 11:03:56 PM
Surr: Toluene-d8	99.1	70-130	%REC		1	10/14/2011 11:03:56 PM
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
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TIME: 11:03:56 PM	90.2	70.1	CH			
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PROJECT: 101411_01	90.2	70.1	CH			
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INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
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PROJECT: 101411_01	90.2	70.1	CH			
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INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
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FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
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PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
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ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
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PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1	CH			
REAGENT: N/A	90.2	70.1	CH			
REF: N/A	90.2	70.1	CH			
DATE: 10/14/2011	90.2	70.1	CH			
TIME: 11:03:56 PM	90.2	70.1	CH			
FILE: C:\DATA\101411\101411_01.D	90.2	70.1	CH			
PROJECT: 101411_01	90.2	70.1	CH			
ANALYST: J. H. HARRIS	90.2	70.1	CH			
INSTRUMENT: LUNA	90.2	70.1	CH			
METHOD: EPA 8260B	90.2	70.1				

Qualifiers:

- | | |
|--|--|
| * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| E Estimated value | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | MCL Maximum Contaminant Level |
| NC Non-Chlorinated | ND Not Detected at the Reporting Limit |
| POL Practical Quantitation Limit | S Spike recovery outside accepted recovery limits |

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Nov-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1110605
Project: TWP Roswell Station 9
Lab ID: 1110605-05

Client Sample ID: TRIP BLANK

Collection Date:

Date Received: 10/12/2011

Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Toluene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Ethylbenzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Naphthalene	ND	2.0		µg/L	1	10/14/2011 11:32:07 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/14/2011 11:32:07 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/14/2011 11:32:07 PM
Acetone	ND	10		µg/L	1	10/14/2011 11:32:07 PM
Bromobenzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Bromoform	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Bromomethane	ND	3.0		µg/L	1	10/14/2011 11:32:07 PM
2-Butanone	ND	10		µg/L	1	10/14/2011 11:32:07 PM
Carbon disulfide	ND	10		µg/L	1	10/14/2011 11:32:07 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Chlorobenzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Chloroethane	ND	2.0		µg/L	1	10/14/2011 11:32:07 PM
Chloroform	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Chloromethane	ND	3.0		µg/L	1	10/14/2011 11:32:07 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/14/2011 11:32:07 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Dibromomethane	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/14/2011 11:32:07 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Nov-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1110605
Project: TWP Roswell Station 9
Lab ID: 1110605-05

Client Sample ID: TRIP BLANK

Collection Date:

Date Received: 10/12/2011

Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Hexachlorobutadiene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
2-Hexanone	ND	10		µg/L	1	10/14/2011 11:32:07 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/14/2011 11:32:07 PM
Methylene Chloride	ND	3.0		µg/L	1	10/14/2011 11:32:07 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Styrene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/14/2011 11:32:07 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/14/2011 11:32:07 PM
Vinyl chloride	ND	1.0		µg/L	1	10/14/2011 11:32:07 PM
Xylenes, Total	ND	1.5		µg/L	1	10/14/2011 11:32:07 PM
Surr: 1,2-Dichloroethane-d4	94.8	70-130		%REC	1	10/14/2011 11:32:07 PM
Surr: 4-Bromofluorobenzene	93.8	73-131		%REC	1	10/14/2011 11:32:07 PM
Surr: Dibromofluoromethane	91.6	70-130		%REC	1	10/14/2011 11:32:07 PM
Surr: Toluene-d8	99.4	70-130		%REC	1	10/14/2011 11:32:07 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
Project: TWP Roswell Station 9

Work Order: 111060

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 300.0: Anions

Sample ID: MB MBLK Batch ID: R48414 Analysis Date: 10/13/2011 10:55:38 AM

Fluoride	ND	mg/L	0.10
Chloride	ND	mg/L	0.50
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50
Sulfate	ND	mg/L	0.50

Sample ID: MB MBLK Batch ID: R48414 Analysis Date: 10/14/2011 5:12:33 AM

Fluoride	ND	mg/L	0.10
Chloride	ND	mg/L	0.50
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50
Sulfate	ND	mg/L	0.50

Sample ID: MB MBLK Batch ID: R48584 Analysis Date: 10/21/2011 5:31:40 PM

Fluoride	ND	mg/L	0.10
Chloride	ND	mg/L	0.50
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20
Sulfate	ND	mg/L	0.50

Sample ID: MB MBLK Batch ID: R48584 Analysis Date: 10/22/2011 9:11:50 AM

Fluoride	ND	mg/L	0.10
Chloride	ND	mg/L	0.50
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20
Sulfate	ND	mg/L	0.50

Sample ID: MB MBLK Batch ID: R48587 Analysis Date: 10/21/2011 6:13:08 PM

Fluoride	ND	mg/L	0.10
Chloride	ND	mg/L	0.50
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50
Sulfate	ND	mg/L	0.50

Sample ID: LCS LCS Batch ID: R48414 Analysis Date: 10/13/2011 11:13:02 AM

Fluoride	0.5118	mg/L	0.10	0.5	0	102	90	110
Chloride	5.019	mg/L	0.50	5	0	100	90	110
Nitrate (As N)+Nitrite (As N)	3.553	mg/L	0.20	3.5	0	102	90	110
Phosphorus, Orthophosphate (As P)	5.014	mg/L	0.50	5	0	100	90	110
Sulfate	10.02	mg/L	0.50	10	0	100	90	110

Sample ID: LCS LCS Batch ID: R48414 Analysis Date: 10/14/2011 5:29:58 AM

Fluoride	0.5018	mg/L	0.10	0.5	0	100	90	110
Chloride	4.812	mg/L	0.50	5	0	96.2	90	110
Nitrate (As N)+Nitrite (As N)	3.448	mg/L	0.20	3.5	0	98.5	90	110
Phosphorus, Orthophosphate (As P)	4.850	mg/L	0.50	5	0	97.0	90	110
Sulfate	9.696	mg/L	0.50	10	0	97.0	90	110

Sample ID: LCS LCS Batch ID: R48584 Analysis Date: 10/21/2011 5:49:04 PM

Fluoride	0.4710	mg/L	0.10	0.5	0	94.2	90	110
Chloride	4.786	mg/L	0.50	5	0	95.7	90	110
Nitrate (As N)+Nitrite (As N)	3.431	mg/L	0.20	3.5	0	98.0	90	110

Qualifiers:

E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
NC Non-Chlorinated
R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
Project: TWP Roswell Station 9

Work Order: 1110605

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		LCS				Batch ID: R48584	Analysis Date: 10/21/2011 5:49:04 PM				
Sulfate	9.736	mg/L	0.50	10	0	97.4	90	110			
Sample ID: LCS		LCS				Batch ID: R48584	Analysis Date: 10/22/2011 9:28:15 AM				
Fluoride	0.5008	mg/L	0.10	0.5	0	100	90	110			
Chloride	4.875	mg/L	0.50	5	0	97.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.512	mg/L	0.20	3.5	0	100	90	110			
Sulfate	9.875	mg/L	0.50	10	0	98.7	90	110			
Sample ID: LCS		LCS				Batch ID: R48587	Analysis Date: 10/21/2011 6:30:32 PM				
Fluoride	0.5500	mg/L	0.10	0.5	0	110	90	110			S
Chloride	4.895	mg/L	0.50	5	0	97.9	90	110			
Nitrate (As N)+Nitrite (As N)	3.525	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	5.069	mg/L	0.50	5	0	101	90	110			
Sulfate	9.935	mg/L	0.50	10	0	99.3	90	110			
Method: EPA Method 8021B: Volatiles											
Sample ID: 1110605-01A MSD		MSD				Batch ID: R48415	Analysis Date: 10/13/2011 4:42:42 PM				
Benzene	3579	µg/L	50	1000	2959	62.1	76.6	119	11.0	16.4	S
Toluene	5287	µg/L	50	1000	4796	49.1	77.3	118	9.58	13.9	SE
Ethylbenzene	1087	µg/L	50	1000	241	84.6	76.6	114	9.69	13.5	
Xylenes, Total	4779	µg/L	100	3000	2472	76.9	82	113	10.4	12.9	S
Sample ID: 5ML-RB		MBLK				Batch ID: R48415	Analysis Date: 10/13/2011 9:39:53 AM				
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		LCS				Batch ID: R48415	Analysis Date: 10/13/2011 10:57:40 PM				
Benzene	18.35	µg/L	1.0	20	0.2792	90.4	80	120			
Toluene	18.05	µg/L	1.0	20	0	90.2	80	120			
Ethylbenzene	18.17	µg/L	1.0	20	0	90.8	80	120			
Xylenes, Total	53.91	µg/L	2.0	60	0	89.8	80	120			
Sample ID: 1110605-01A MS		MS				Batch ID: R48415	Analysis Date: 10/13/2011 4:13:56 PM				
Benzene	3996	µg/L	50	1000	2959	104	76.6	119			
Toluene	5819	µg/L	50	1000	4796	102	77.3	118			E
Ethylbenzene	1198	µg/L	50	1000	241	95.7	76.6	114			
Xylenes, Total	5302	µg/L	100	3000	2472	94.4	82	113			

Qualifiers:

Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
NC Non-Chlorinated
R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
Project: TWP Roswell Station 9

Work Order: 1110605

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 1110605-04a msd

MSD

Batch ID: R48445 Analysis Date: 10/14/2011 10:35:42 PM

Benzene	20.87	µg/L	1.0	20	0.327
Toluene	19.90	µg/L	1.0	20	0
Chlorobenzene	19.46	µg/L	1.0	20	0
1,1-Dichloroethene	16.35	µg/L	1.0	20	0
Trichloroethene (TCE)	16.39	µg/L	1.0	20	0

103	69.2	127	3.73	18.7
99.5	68.2	130	3.73	16.9
97.3	74	122	2.92	13.9
81.8	69.3	123	12.1	16.7
82.0	61.3	127	0.177	18

Sample ID: 5ml rb

MBLK

Batch ID: R48445 Analysis Date: 10/14/2011 2:34:15 PM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	3.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0
Chloromethane	ND	µg/L	3.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0

Qualifiers:

E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
NC Non-Chlorinated
R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
Project: TWP Roswell Station 9

Work Order: 1110605

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml rb

MBLK

Batch ID: R48445 Analysis Date: 10/14/2011 2:34:15 PM

2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropane	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								

Sample ID: 100ng lcs

LCS

Batch ID: R48445 Analysis Date: 10/14/2011 3:31:26 PM

Benzene	23.77	µg/L	1.0	20	0	119	81.1	130			
Toluene	20.66	µg/L	1.0	20	0	103	82.3	122			
Chlorobenzene	20.35	µg/L	1.0	20	0	102	70	130			
1,1-Dichloroethene	21.79	µg/L	1.0	20	0	109	83.1	128			
Trichloroethene (TCE)	19.46	µg/L	1.0	20	0	97.3	67.4	137			

Sample ID: 1110605-04a ms

MS

Batch ID: R48445 Analysis Date: 10/14/2011 10:07:30 PM

Benzene	20.10	µg/L	1.0	20	0.327	98.9	69.2	127			
Toluene	20.66	µg/L	1.0	20	0	103	68.2	130			
Chlorobenzene	20.04	µg/L	1.0	20	0	100	74	122			
1,1-Dichloroethene	18.46	µg/L	1.0	20	0	92.3	69.3	123			
Trichloroethene (TCE)	16.36	µg/L	1.0	20	0	81.8	61.3	127			

Qualifiers:

Estimated value	H	Holding times for preparation or analysis exceeded
Analyte detected below quantitation limits	NC	Non-Chlorinated
Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
Project: TWP Roswell Station 9

Work Order: 1110605

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 6010B: Dissolved Metals

Sample ID: MB	MBLK					Batch ID: R48467	Analysis Date: 10/17/2011 8:36:41 AM				
Calcium	ND	mg/L	1.0								
Magnesium	ND	mg/L	1.0								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Sample ID: MB	MBLK					Batch ID: R48620	Analysis Date: 10/24/2011 7:11:29 AM				
Calcium	ND	mg/L	1.0								
Magnesium	ND	mg/L	1.0								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Sample ID: MB	MBLK					Batch ID: R48646	Analysis Date: 10/25/2011 12:31:06 PM				
Calcium	ND	mg/L	1.0								
Magnesium	ND	mg/L	1.0								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Sample ID: LCS	LCS					Batch ID: R48467	Analysis Date: 10/17/2011 8:38:34 AM				
Calcium	47.00	mg/L	1.0	50	0	94.0	80	120			
Magnesium	47.61	mg/L	1.0	50	0	95.2	80	120			
Potassium	45.70	mg/L	1.0	50	0	91.4	80	120			
Sodium	46.41	mg/L	1.0	50	0	92.8	80	120			
Sample ID: LCS	LCS					Batch ID: R48620	Analysis Date: 10/24/2011 7:13:22 AM				
Calcium	50.11	mg/L	1.0	50	0	100	80	120			
Magnesium	51.53	mg/L	1.0	50	0	103	80	120			
Potassium	49.04	mg/L	1.0	50	0	98.1	80	120			
Sodium	49.73	mg/L	1.0	50	0	99.5	80	120			
Sample ID: LCS	LCS					Batch ID: R48620	Analysis Date: 10/24/2011 7:15:15 AM				
Calcium	52.03	mg/L	1.0	50	0	104	80	120			
Magnesium	53.63	mg/L	1.0	50	0	107	80	120			
Potassium	51.19	mg/L	1.0	50	0	102	80	120			
Sodium	51.91	mg/L	1.0	50	0	104	80	120			
Sample ID: LCS	LCS					Batch ID: R48646	Analysis Date: 10/25/2011 12:33:03 PM				
Calcium	50.46	mg/L	1.0	50	0	101	80	120			
Magnesium	52.07	mg/L	1.0	50	0	104	80	120			
Potassium	49.62	mg/L	1.0	50	0	99.2	80	120			
Sodium	50.69	mg/L	1.0	50	0	101	80	120			
Sample ID: LCS	LCS					Batch ID: R48646	Analysis Date: 10/26/2011 12:35:00 PM				
Calcium	50.30	mg/L	1.0	50	0	101	80	120			
Magnesium	52.07	mg/L	1.0	50	0	104	80	120			
Potassium	49.80	mg/L	1.0	50	0	99.2	80	120			
Sodium	50.72	mg/L	1.0	50	0	101	80	120			
Sample ID: LCSD	LCSD					Batch ID: R48467	Analysis Date: 10/17/2011 8:42:18 AM				
Calcium	49.09	mg/L	1.0	50	0	98.2	80	120	4.34	20	
Magnesium	49.39	mg/L	1.0	50	0	98.8	80	120	3.68	20	

Qualifiers:

E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
NC Non-Chlorinated
R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
Project: TWP Roswell Station 9

Work Order: 1110605

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: LCSD		LCSD					Batch ID: R48467	Analysis Date: 10/17/2011 8:42:18 AM			
Potassium	47.42	mg/L	1.0	50	0	94.8	80	120	3.70	20	
Sodium	48.00	mg/L	1.0	50	0	96.0	80	120	3.37	20	

Qualifiers:

J	Estimated value	H	Holding times for preparation or analysis exceeded
	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name CYP

Date Received:

10/12/2011

Work Order Number 1110605

Received by: AMG

Sample ID labels checked by:

Checklist completed by:

Signature

10/12/11

Date

Initials

Matrix:

Carrier name: Greyhound

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☒

No ☐

Water - Preservation labels on bottle and cap match?

Yes ☒

No ☐

N/A ☐

Water - pH acceptable upon receipt?

Yes ☒

No ☐

N/A ☐

Container/Temp Blank temperature?

10.5°

<6° C Acceptable

If given sufficient time to cool.

Number of preserved bottles checked for pH:

2

<2 below 12 unless noted

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Corrective Action

Client: Cypress Engineering Services

ATTN: George Robinson PE

Mailing Address: 7171 Highway 6 North

Suite 102 Houston, TX 7704

Phone #: 281-797-3420

email or Fax#: george.robinson@

QA/QC Package: *CYRESS INC. 25*

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

☒ ~~Standard~~ ☐ **Rush**

Project Name:

TWP Roswell Station 9

Project #: Monthly Discharge

Sampling 2011, 09/20/11

Project Manager:

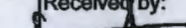
Sandy Sharp

Sampler: *Cm Barnhill, P6*

CONFIDENTIAL

SAMPLE 8-11-81		10/25

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	
9/09/11	0830	H ₂ O	Pre-Treatment	3x40mL VPA'S	HCL	1
9/09/11	0830	H ₂ O	Post Air Stripp	3x40mL VPA'S	HCL	2
9/09/11	0830	H ₂ O	Between GAC's	3x40mL VPA'S	HCL	3
9/09/11	0830	H ₂ O	Post-Treatment	3x40mL VPA'S	HCL	4
9/09/11	0830	H ₂ O		1x125mL plastic	None	
9/09/11	0830	H ₂ O		1x125mL plastic	H ₂ SO ₄	
9/09/11	0830	H ₂ O	*Field H ₂ O Herod	1x125mL plastic	HNO ₃	45
			Trip Blank	3x40mL VPA'S	HCL	5

Date:	Time:	Relinquished by:	Received by:	Date	Time
2/09/11	11:00			10/12/11	10:24
Date:	Time:	Relinquished by:	Received by:	Date	Time



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

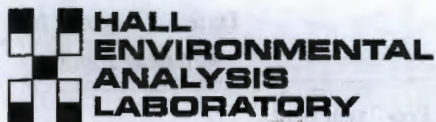
4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

XX	XX	BTEX + MTBE + TMB's (8021)
		BTEX + MTBE + TPH (Gas only)
		TPH Method 8015B (Gas/Diesel)
		TPH (Method 418.1)
		EDB (Method 504.1)
		8310 (PNA or PAH)
		RCRA 8 Metals
XX	XX	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)
		8081 Pesticides / 8082 PCB's
	XX	8260B (VOA)
		8270 (Semi-VOA)
	XX	Major Cations
		Na, Ca, K, Mg
		By: 6000c
		Field E. Hovell
		Air Bubbles (Y or N)

Remarks: Any Questions Please Call
George Robinson 281-797-3422
Sandy Sharp 281-797-3422



COVER LETTER

Tuesday, November 15, 2011

Sandra Sharp
Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 770952422

TEL: (281) 797-3420

FAX (281) 859-1881

RE: TWP Roswell Station 9

Order No.: 1111300

Dear Sandra Sharp:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 11/4/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. 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. All samples are reported as received unless otherwise indicated.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901

AZ license # AZ0682

Hall Environmental Analysis Laboratory, Inc.

Date: 15-Nov-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1111300
Project: TWP Roswell Station 9
Lab ID: 1111300-01

Client Sample ID: Pre- Treatment
Collection Date: 11/3/2011 8:30:00 AM
Date Received: 11/4/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	2400	50		µg/L	50	11/5/2011 12:12:57 AM
Toluene	4900	50		µg/L	50	11/5/2011 12:12:57 AM
Ethylbenzene	260	50		µg/L	50	11/5/2011 12:12:57 AM
Xylenes, Total	2800	100		µg/L	50	11/5/2011 12:12:57 AM
Surr: 4-Bromofluorobenzene	100	76.5-115		%REC	50	11/5/2011 12:12:57 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 15-Nov-11

Analytical Report

CLIENT: Cypress Engineering

Client Sample ID: Post Air Stripper

Lab Order: 1111300

Collection Date: 11/3/2011 8:30:00 AM

Project: TWP Roswell Station 9

Date Received: 11/4/2011

Lab ID: 1111300-02

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	30	1.0		µg/L	1	11/5/2011 1:13:11 AM
Toluene	66	1.0		µg/L	1	11/5/2011 1:13:11 AM
Ethylbenzene	3.4	1.0		µg/L	1	11/5/2011 1:13:11 AM
Xylenes, Total	47	2.0		µg/L	1	11/5/2011 1:13:11 AM
Surr: 4-Bromofluorobenzene	96.8	76.5-115		%REC	1	11/5/2011 1:13:11 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Page 2 of 8

Hall Environmental Analysis Laboratory, Inc.

Date: 15-Nov-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1111300
Project: TWP Roswell Station 9
Lab ID: 1111300-03

Client Sample ID: Between GAC's
Collection Date: 11/3/2011 8:30:00 AM
Date Received: 11/4/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	2.8	1.0		µg/L	1	11/5/2011 1:43:15 AM
Toluene	1.6	1.0		µg/L	1	11/5/2011 1:43:15 AM
Ethylbenzene	ND	1.0		µg/L	1	11/5/2011 1:43:15 AM
Xylenes, Total	ND	2.0		µg/L	1	11/5/2011 1:43:15 AM
Surr: 4-Bromofluorobenzene	94.9	76.5-115		%REC	1	11/5/2011 1:43:15 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Page 3 of 8

Hall Environmental Analysis Laboratory, Inc.

Date: 15-Nov-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1111300
Project: TWP Roswell Station 9
Lab ID: 1111300-04

Client Sample ID: Post-Treatment
Collection Date: 11/3/2011 8:30:00 AM
Date Received: 11/4/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: BRM
Fluoride	1.4	0.10		mg/L	1	11/5/2011 2:25:43 AM
Chloride	400	50		mg/L	100	11/8/2011 7:13:06 PM
Nitrogen, Nitrite (As N)	3.6	2.0		mg/L	20	11/5/2011 2:43:07 AM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	11/5/2011 2:25:43 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	11/5/2011 2:25:43 AM
Sulfate	1500	50		mg/L	100	11/8/2011 7:13:06 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: ELS
Calcium	520	10		mg/L	10	11/10/2011 8:49:25 AM
Manganese	0.68	0.0020		mg/L	1	11/9/2011 10:41:17 AM
Potassium	2.6	1.0		mg/L	1	11/9/2011 10:41:17 AM
Sodium	210	5.0		mg/L	5	11/9/2011 10:43:34 AM
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
Toluene	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
Ethylbenzene	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
Naphthalene	ND	2.0		µg/L	1	11/12/2011 8:01:01 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/12/2011 8:01:01 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/12/2011 8:01:01 AM
Acetone	41	10		µg/L	1	11/12/2011 8:01:01 AM
Bromobenzene	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
Bromoform	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
Bromomethane	ND	3.0		µg/L	1	11/12/2011 8:01:01 AM
2-Butanone	ND	10		µg/L	1	11/12/2011 8:01:01 AM
Carbon disulfide	ND	10		µg/L	1	11/12/2011 8:01:01 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
Chlorobenzene	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
Chloroethane	ND	2.0		µg/L	1	11/12/2011 8:01:01 AM
Chloroform	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
Chloromethane	ND	3.0		µg/L	1	11/12/2011 8:01:01 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/12/2011 8:01:01 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
 E Estimated value
 J Analyte detected below quantitation limits
 NC Non-Chlorinated
 PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Page 4 of 8

Hall Environmental Analysis Laboratory, Inc.

Date: 15-Nov-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1111300
Project: TWP Roswell Station 9
Lab ID: 1111300-04

Client Sample ID: Post-Treatment
Collection Date: 11/3/2011 8:30:00 AM
Date Received: 11/4/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/12/2011 6:01:01 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
Dibromomethane	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/12/2011 6:01:01 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
2-Hexanone	ND	10		µg/L	1	11/12/2011 6:01:01 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/12/2011 6:01:01 AM
Methylene Chloride	ND	3.0		µg/L	1	11/12/2011 6:01:01 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
Styrene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/12/2011 6:01:01 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/12/2011 6:01:01 AM
Vinyl chloride	ND	1.0		µg/L	1	11/12/2011 6:01:01 AM
Xylenes, Total	ND	1.5		µg/L	1	11/12/2011 6:01:01 AM
Surr: 1,2-Dichloroethane-d4	94.6	70-130		%REC	1	11/12/2011 6:01:01 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Analytical Report

Client Sample ID: Post-Treatment
Collection Date: 11/3/2011 8:30:00 AM
Date Received: 11/4/2011
Matrix: AQUEOUS

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
E Estimated value	H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
NC Non-Chlorinated	ND Not Detected at the Reporting Limit
POL Practical Quantitation Limit	S Spike recovery outside accepted recovery limits

Page 6 of 8

Hall Environmental Analysis Laboratory, Inc.

Date: 15-Nov-11

Analytical Report

CLIENT: Cypress Engineering
Lab Order: 1111300
Project: TWP Roswell Station 9
Lab ID: 1111300-05

Client Sample ID: TRIP BLANK
Collection Date:
Date Received: 11/4/2011
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
Toluene	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
Ethylbenzene	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
Naphthalene	ND	2.0		µg/L	1	11/12/2011 6:30:11 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/12/2011 6:30:11 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/12/2011 6:30:11 AM
Acetone	ND	10		µg/L	1	11/12/2011 6:30:11 AM
Bromobenzene	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
Bromoform	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
Bromomethane	ND	3.0		µg/L	1	11/12/2011 6:30:11 AM
2-Butanone	ND	10		µg/L	1	11/12/2011 6:30:11 AM
Carbon disulfide	ND	10		µg/L	1	11/12/2011 6:30:11 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
Chlorobenzene	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
Chloroethane	ND	2.0		µg/L	1	11/12/2011 6:30:11 AM
Chloroform	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
Chloromethane	ND	3.0		µg/L	1	11/12/2011 6:30:11 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/12/2011 6:30:11 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
Dibromomethane	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/12/2011 6:30:11 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/12/2011 6:30:11 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
 E Estimated value
 J Analyte detected below quantitation limits
 NC Non-Chlorinated
 PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 15-Nov-11

Analytical Report

CLIENT: Cypress Engineering

Client Sample ID: TRIP BLANK

Lab Order: 1111300

Collection Date:

Project: TWP Roswell Station 9

Date Received: 11/4/2011

Lab ID: 1111300-05

Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Hexachlorobutadiene	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
2-Hexanone	ND	10		µg/L	1	11/12/2011 8:30:11 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/12/2011 8:30:11 AM
Methylene Chloride	ND	3.0		µg/L	1	11/12/2011 8:30:11 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
Styrene	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/12/2011 8:30:11 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/12/2011 8:30:11 AM
Vinyl chloride	ND	1.0		µg/L	1	11/12/2011 8:30:11 AM
Xylenes, Total	ND	1.5		µg/L	1	11/12/2011 8:30:11 AM
Surr: 1,2-Dichloroethane-d4	92.2	70-130		%REC	1	11/12/2011 8:30:11 AM
Surr: 4-Bromofluorobenzene	110	73-131		%REC	1	11/12/2011 8:30:11 AM
Surr: Dibromofluoromethane	95.4	70-130		%REC	1	11/12/2011 8:30:11 AM
Surr: Toluene-d8	99.4	70-130		%REC	1	11/12/2011 8:30:11 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
 E Estimated value
 J Analyte detected below quantitation limits
 NC Non-Chlorinated
 PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
Project: TWP Roswell Station 9

Work Order: 1111300

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		MBLK				Batch ID: R48915	Analysis Date: 11/4/2011 11:20:23 AM				
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		MBLK				Batch ID: R48956	Analysis Date: 11/8/2011 3:20:00 PM				
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		MBLK				Batch ID: R48998	Analysis Date: 11/9/2011 12:17:38 PM				
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		MBLK				Batch ID: R48998	Analysis Date: 11/9/2011 10:48:26 PM				
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		LCS				Batch ID: R48915	Analysis Date: 11/4/2011 11:37:48 AM				
Fluoride	0.5078	mg/L	0.10	0.5	0	102	90	110			
Chloride	4.824	mg/L	0.50	5	0	96.5	90	110			
Nitrogen, Nitrite (As N)	0.9813	mg/L	0.10	1	0	98.1	90	110			
Nitrogen, Nitrate (As N)	2.486	mg/L	0.10	2.5	0	99.4	90	110			
Phosphorus, Orthophosphate (As P)	4.962	mg/L	0.50	5	0	99.2	90	110			
Sulfate	9.796	mg/L	0.50	10	0	98.0	90	110			
Sample ID: LCS		LCS				Batch ID: R48956	Analysis Date: 11/8/2011 3:31:14 PM				
Fluoride	0.5086	mg/L	0.10	0.5	0	102	90	110			
Chloride	4.802	mg/L	0.50	5	0	96.0	90	110			
Nitrogen, Nitrite (As N)	0.9697	mg/L	0.10	1	0	97.0	90	110			
Nitrogen, Nitrate (As N)	2.462	mg/L	0.10	2.5	0	98.5	90	110			
Phosphorus, Orthophosphate (As P)	4.824	mg/L	0.50	5	0	96.5	90	110			
Sulfate	9.705	mg/L	0.50	10	0	97.1	90	110			
Sample ID: LCS		LCS				Batch ID: R48998	Analysis Date: 11/9/2011 12:28:52 PM				
Fluoride	0.5018	mg/L	0.10	0.5	0	100	90	110			
Chloride	4.939	mg/L	0.50	5	0	96.8	90	110			

Qualifiers:

E Estimated value
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
 NC Non-Chlorinated
 R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
Project: TWP Roswell Station 9

Work Order: 1111300

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 300.0: Anions

Sample ID: LCS	LCS					Batch ID: R48998	Analysis Date: 11/9/2011 12:28:52 PM				
Nitrogen, Nitrite (As N)	0.9710	mg/L	0.10	1	0	97.1	90	110			
Nitrogen, Nitrate (As N)	2.500	mg/L	0.10	2.5	0	100	90	110			
Phosphorus, Orthophosphate (As P)	4.880	mg/L	0.50	5	0	97.6	90	110			
Sulfate	10.06	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS	LCS					Batch ID: R48998	Analysis Date: 11/9/2011 10:57:40 PM				
Chloride	5.311	mg/L	0.50	5	0	106	90	110			
Nitrogen, Nitrite (As N)	1.064	mg/L	0.10	1	0	106	90	110			
Nitrogen, Nitrate (As N)	2.680	mg/L	0.10	2.5	0	107	90	110			
Phosphorus, Orthophosphate (As P)	5.339	mg/L	0.50	5	0	107	90	110			
Sulfate	10.71	mg/L	0.50	10	0	107	90	110			

Method: EPA Method 8021B: Volatiles

Sample ID: 5ML-RB	MBLK					Batch ID: R48901	Analysis Date: 11/4/2011 10:23:39 AM				
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS	LCS					Batch ID: R48901	Analysis Date: 11/4/2011 12:53:55 PM				
Benzene	21.49	µg/L	1.0	20	0	107	80	120			
Toluene	21.77	µg/L	1.0	20	0	109	80	120			
Ethylbenzene	21.52	µg/L	1.0	20	0	108	80	120			
Xylenes, Total	65.64	µg/L	2.0	60	0	109	80	120			

Qualifiers:

Estimated value H Holding times for preparation or analysis exceeded
Analyte detected below quantitation limits NC Non-Chlorinated
ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
Project: TWP Roswell Station 9

Work Order: 1111300

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml rb

MBLK

Batch ID: R49050 **Analysis Date:** 11/11/2011 10:13:35 AM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	3.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0
Chloromethane	ND	µg/L	3.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0
2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
Project: TWP Roswell Station 9

Work Order: 1111300

Site	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml rb **MBLK** **Batch ID:** R49050 **Analysis Date:** 11/11/2011 10:13:35 AM

4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0
Trichloroethene (TCE)	ND	µg/L	1.0
Trichlorofluoromethane	ND	µg/L	1.0
1,2,3-Trichloropropane	ND	µg/L	2.0
Vinyl chloride	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	1.5

Sample ID: b5 **MBLK** **Batch ID:** R49050 **Analysis Date:** 11/11/2011 10:14:42 PM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	3.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0

Qualifiers:

Estimated value	H	Holding times for preparation or analysis exceeded
Analyte detected below quantitation limits	NC	Non-Chlorinated
ND Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
Project: TWP Roswell Station 9

Work Order: 1111300

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: b5

MBLK

Batch ID: R49050 **Analysis Date:** 11/11/2011 10:14:42 PM

Chloromethane	ND	µg/L	3.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0
2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0
4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0
Trichloroethene (TCE)	ND	µg/L	1.0
Trichlorofluoromethane	ND	µg/L	1.0
1,2,3-Trichloropropane	ND	µg/L	2.0
Vinyl chloride	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	1.5

Sample ID: 100ng lcs-2

LCS

Batch ID: R49050 **Analysis Date:** 11/12/2011 7:28:28 AM

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
Project: TWP Roswell Station 9

Work Order: 1111300

Method:	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs-2	LCS					Batch ID: R49050	Analysis Date: 11/12/2011 7:28:28 AM				
Benzene	19.21	µg/L	1.0	20	0	96.0	81.1	130			
Toluene	18.70	µg/L	1.0	20	0.176	92.6	82.3	122			
Chlorobenzene	18.68	µg/L	1.0	20	0	93.4	70	130			
1,1-Dichloroethene	19.52	µg/L	1.0	20	0	97.6	83.1	126			
Trichloroethene (TCE)	16.32	µg/L	1.0	20	0	81.6	67.4	137			

Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB	MBLK					Batch ID: R48970	Analysis Date: 11/9/2011 10:09:09 AM				
Calcium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Sample ID: LCS	LCS					Batch ID: R48970	Analysis Date: 11/9/2011 10:11:04 AM				
Calcium	48.72	mg/L	1.0	50	0	97.4	80	120			
Manganese	0.4263	mg/L	0.0020	0.5	0	85.3	80	120			
Potassium	47.85	mg/L	1.0	50	0	95.7	80	120			
Sodium	48.37	mg/L	1.0	50	0	96.7	80	120			
Sample ID: LCSD	LCSD					Batch ID: R48970	Analysis Date: 11/9/2011 10:13:12 AM				
Calcium	48.70	mg/L	1.0	50	0	97.4	80	120	0.0340	20	
Potassium	48.02	mg/L	1.0	50	0	96.0	80	120	0.353	20	
Sodium	48.57	mg/L	1.0	50	0	97.1	80	120	0.398	20	

Qualifiers:

Estimated value	H	Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits	NC	Non-Chlorinated
ND Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name CYP

Date Received:

11/4/2011

Work Order Number 1111300

Received by: AT

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name UPS

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☒

No ☐

Water - Preservation labels on bottle and cap match?

Yes ☒

No ☐

N/A ☐

Water - pH acceptable upon receipt?

Yes ☒

No ☐

N/A ☐

Number of preserved
bottles checked for
pH:

2
<2 > 12 unless noted
below.

Container/Temp Blank temperature?

1.5°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

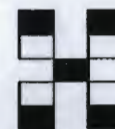
Comments:

Corrective Action

Chain of-Custody Record

Client: Cypress Engineering Services
 ATTN: George Robinson
 Mailing Address: 1171 Highway 6 North
Suite 102, Houston, TX 77095
 Phone #: 281-797-3420
 email or Fax#: George.Robinson@CYPRESSINC-US
 QA/QC Package: CYPRESSINC-US
☒ Standard ☐ Level 4 (Full Validation)
 Accreditation
☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush
 Project Name: TWP Roswell Station 9
 Project #: Monthly Discharge Sampling 2011, October 2011
 Project Manager: Sandy Sharp
 Sampler: CM Barnhill PE



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type		BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄	8081 Pesticides / 8082 PCB's	62608 (VOA)	8270 (Semi-VOA)	Major Cations	Na, Ca, K, Mg	By: 6010C	* Field Filtered	Air Bubbles (Y or N)
11/03/11	0830	H ₂ O	Prc-Treatment	3x40ml VOA's	HCL	-1	X															
11/03/11	0830	H ₂ O	Post Air Stripped	↓	↓	-2	X															
11/03/11	0830	H ₂ O	Between GAL'S	↓	↓	-3	X															
11/03/11	0830	H ₂ O	Post-Treatment	3x40ml VOA's	HCL	-4										X						
↓	↓	↓	↓	1x125ml	NONE	-6								X								
↓	↓	↓	↓	1x125ml	H ₂ O ₂	-4								X								
↓	↓	↓	*Field Filtered	1x125ml	HNO ₃	-4								X								
			TRIP Blank	2x40ml VOA's	HCL	-5										X						

Date: 11/03/11 Time: 0940 Relinquished by: [Signature]
 Date: 11/04/11 Time: 1130 Received by: [Signature]

Remarks: Any Questions Please Call Sandy Sharp @ 281-797-3421

**LABORATORY REPORTS
FOR GROUNDWATER SAMPLES**



COVER LETTER

Thursday, April 28, 2011

George Robinson
Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 770952422

TEL: (281) 797-3420
FAX (281) 859-1881

RE: Transwestern Pipeline Company Roswell Station

Order No.: 1104806

Dear George Robinson:

Hall Environmental Analysis Laboratory, Inc. received 9 sample(s) on 4/21/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. 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.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

For Andy Freeman
Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX



Hall Environmental Analysis Laboratory, Inc.

Date: 28-Apr-11

CLIENT: Cypress Engineering**Client Sample ID:** MW-34**Lab Order:** 1104806**Collection Date:** 4/19/2011 11:35:00 AM**Project:** Transwestern Pipeline Company Roswell Station**Date Received:** 4/21/2011**Lab ID:** 1104806-01**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	20	1.0		µg/L	1	4/26/2011 10:35:02 AM
Toluene	ND	1.0		µg/L	1	4/26/2011 10:35:02 AM
Ethylbenzene	ND	1.0		µg/L	1	4/26/2011 10:35:02 AM
Xylenes, Total	ND	2.0		µg/L	1	4/26/2011 10:35:02 AM
Surr: 4-Bromofluorobenzene	104	96.8-145		%REC	1	4/26/2011 10:35:02 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

NC Non-Chlorinated

PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Apr-11

CLIENT: Cypress Engineering**Client Sample ID:** MW-35**Lab Order:** 1104806**Collection Date:** 4/19/2011 10:55:00 AM**Project:** Transwestern Pipeline Company Roswell Station**Date Received:** 4/21/2011**Lab ID:** 1104806-02**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	4/26/2011 11:03:58 AM
Toluene	ND	1.0		µg/L	1	4/26/2011 11:03:58 AM
Ethylbenzene	ND	1.0		µg/L	1	4/26/2011 11:03:58 AM
Xylenes, Total	ND	2.0		µg/L	1	4/26/2011 11:03:58 AM
Surr: 4-Bromofluorobenzene	101	96.8-145		%REC	1	4/26/2011 11:03:58 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

NC Non-Chlorinated

PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Apr-11

CLIENT: Cypress Engineering**Client Sample ID:** MW-32**Lab Order:** 1104806**Collection Date:** 4/19/2011 12:10:00 PM**Project:** Transwestern Pipeline Company Roswell Station**Date Received:** 4/21/2011**Lab ID:** 1104806-03**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	4/26/2011 11:32:53 AM
Toluene	ND	1.0		µg/L	1	4/26/2011 11:32:53 AM
Ethylbenzene	ND	1.0		µg/L	1	4/26/2011 11:32:53 AM
Xylenes, Total	ND	2.0		µg/L	1	4/26/2011 11:32:53 AM
Surr: 4-Bromofluorobenzene	104	96.8-145		%REC	1	4/26/2011 11:32:53 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

NC Non-Chlorinated

PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Apr-11

CLIENT: Cypress Engineering

Client Sample ID: MW-29

Lab Order: 1104806

Collection Date: 4/19/2011 12:55:00 PM

Project: Transwestern Pipeline Company Roswell Station

Date Received: 4/21/2011

Lab ID: 1104806-04

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	4/26/2011 12:01:44 PM
Toluene	ND	1.0		µg/L	1	4/26/2011 12:01:44 PM
Ethylbenzene	ND	1.0		µg/L	1	4/26/2011 12:01:44 PM
Xylenes, Total	ND	2.0		µg/L	1	4/26/2011 12:01:44 PM
Surr: 4-Bromofluorobenzene	103	98.8-145		%REC	1	4/26/2011 12:01:44 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

NC Non-Chlorinated

PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Apr-11

CLIENT: Cypress Engineering Client Sample ID: MW-20
 Lab Order: 1104806 Collection Date: 4/19/2011 1:40:00 PM
 Project: Transwestern Pipeline Company Roswell Station Date Received: 4/21/2011
 Lab ID: 1104806-05 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Toluene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Ethylbenzene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Naphthalene	ND	2.0		µg/L	1	4/26/2011 11:32:07 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2011 11:32:07 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2011 11:32:07 PM
Acetone	ND	10		µg/L	1	4/26/2011 11:32:07 PM
Bromobenzene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Bromoform	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Bromomethane	ND	3.0		µg/L	1	4/26/2011 11:32:07 PM
2-Butanone	ND	10		µg/L	1	4/26/2011 11:32:07 PM
Carbon disulfide	ND	10		µg/L	1	4/26/2011 11:32:07 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Chlorobenzene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Chloroethane	ND	2.0		µg/L	1	4/26/2011 11:32:07 PM
Chloroform	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Chloromethane	ND	3.0		µg/L	1	4/26/2011 11:32:07 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/26/2011 11:32:07 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Dibromomethane	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
1,1-Dichloroethane	14	1.0		µg/L	1	4/26/2011 11:32:07 PM
1,1-Dichloroethene	22	1.0		µg/L	1	4/26/2011 11:32:07 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/26/2011 11:32:07 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Apr-11

CLIENT: Cypress Engineering

Client Sample ID: MW-20

Lab Order: 1104806

Collection Date: 4/19/2011 1:40:00 PM

Project: Transwestern Pipeline Company Roswell Station

Date Received: 4/21/2011

Lab ID: 1104806-05

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
2-Hexanone	ND	10		µg/L	1	4/28/2011 11:32:07 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/28/2011 11:32:07 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/28/2011 11:32:07 PM
Methylene Chloride	ND	3.0		µg/L	1	4/28/2011 11:32:07 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/28/2011 11:32:07 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/28/2011 11:32:07 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/28/2011 11:32:07 PM
Styrene	ND	1.0		µg/L	1	4/28/2011 11:32:07 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/28/2011 11:32:07 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/28/2011 11:32:07 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/26/2011 11:32:07 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/28/2011 11:32:07 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/28/2011 11:32:07 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/28/2011 11:32:07 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/28/2011 11:32:07 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/28/2011 11:32:07 PM
Vinyl chloride	ND	1.0		µg/L	1	4/26/2011 11:32:07 PM
Xylenes, Total	ND	1.5		µg/L	1	4/26/2011 11:32:07 PM
Surr: 1,2-Dichloroethane-d4	96.3	65.8-138		%REC	1	4/26/2011 11:32:07 PM
Surr: 4-Bromofluorobenzene	102	72.7-128		%REC	1	4/26/2011 11:32:07 PM
Surr: Dibromofluoromethane	93.7	69-135		%REC	1	4/26/2011 11:32:07 PM
Surr: Toluene-d8	95.4	86.1-134		%REC	1	4/26/2011 11:32:07 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

NC Non-Chlorinated

PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Apr-11

CLIENT: Cypress Engineering **Client Sample ID:** MW-22
Lab Order: 1104806 **Collection Date:** 4/19/2011 3:15:00 PM
Project: Transwestern Pipeline Company Roswell Station **Date Received:** 4/21/2011
Lab ID: 1104806-06 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Toluene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Ethylbenzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Naphthalene	ND	2.0		µg/L	1	4/27/2011 12:00:10 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/27/2011 12:00:10 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/27/2011 12:00:10 AM
Acetone	ND	10		µg/L	1	4/27/2011 12:00:10 AM
Bromobenzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Bromodichloromethane	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Bromoform	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Bromomethane	ND	3.0		µg/L	1	4/27/2011 12:00:10 AM
2-Butanone	ND	10		µg/L	1	4/27/2011 12:00:10 AM
Carbon disulfide	ND	10		µg/L	1	4/27/2011 12:00:10 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Chlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Chloroethane	ND	2.0		µg/L	1	4/27/2011 12:00:10 AM
Chloroform	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Chloromethane	ND	3.0		µg/L	1	4/27/2011 12:00:10 AM
2-Chlorotoluene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
4-Chlorotoluene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
cis-1,2-DCE	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/27/2011 12:00:10 AM
Dibromochloromethane	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Dibromomethane	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,1-Dichloroethene	1.6	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/27/2011 12:00:10 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
 E Estimated value
 J Analyte detected below quantitation limits
 NC Non-Chlorinated
 PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Apr-11

CLIENT: Cypress Engineering

Client Sample ID: MW-22

Lab Order: 1104806

Collection Date: 4/19/2011 3:15:00 PM

Project: Transwestern Pipeline Company Roswell Station

Date Received: 4/21/2011

Lab ID: 1104806-06

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
2-Hexanone	ND	10		µg/L	1	4/27/2011 12:00:10 AM
Isopropylbenzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/27/2011 12:00:10 AM
Methylene Chloride	ND	3.0		µg/L	1	4/27/2011 12:00:10 AM
n-Butylbenzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
n-Propylbenzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
sec-Butylbenzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Styrene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
tert-Butylbenzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/27/2011 12:00:10 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
trans-1,2-DCE	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/27/2011 12:00:10 AM
Vinyl chloride	ND	1.0		µg/L	1	4/27/2011 12:00:10 AM
Xylenes, Total	ND	1.5		µg/L	1	4/27/2011 12:00:10 AM
Surr: 1,2-Dichloroethane-d4	94.3	65.8-138		%REC	1	4/27/2011 12:00:10 AM
Surr: 4-Bromofluorobenzene	105	72.7-128		%REC	1	4/27/2011 12:00:10 AM
Surr: Dibromofluoromethane	95.8	69-135		%REC	1	4/27/2011 12:00:10 AM
Surr: Toluene-d8	95.1	86.1-134		%REC	1	4/27/2011 12:00:10 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
E Estimated value	H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
NC Non-Chlorinated	ND Not Detected at the Reporting Limit
PQL Practical Quantitation Limit	S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Apr-11

CLIENT: Cypress Engineering

Client Sample ID: MW-26

Lab Order: 1104806

Collection Date: 4/19/2011 2:25:00 PM

Project: Transwestern Pipeline Company Roswell Station

Date Received: 4/21/2011

Lab ID: 1104806-07

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Toluene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Ethylbenzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Naphthalene	ND	2.0		µg/L	1	4/27/2011 12:28:17 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/27/2011 12:28:17 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/27/2011 12:28:17 AM
Acetone	ND	10		µg/L	1	4/27/2011 12:28:17 AM
Bromobenzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Bromodichloromethane	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Bromoform	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Bromomethane	ND	3.0		µg/L	1	4/27/2011 12:28:17 AM
2-Butanone	ND	10		µg/L	1	4/27/2011 12:28:17 AM
Carbon disulfide	ND	10		µg/L	1	4/27/2011 12:28:17 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Chlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Chloroethane	ND	2.0		µg/L	1	4/27/2011 12:28:17 AM
Chloroform	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Chloromethane	ND	3.0		µg/L	1	4/27/2011 12:28:17 AM
2-Chlorotoluene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
4-Chlorotoluene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
cis-1,2-DCE	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/27/2011 12:28:17 AM
Dibromochloromethane	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Dibromomethane	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,1-Dichloroethane	5.9	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,1-Dichloroethene	60	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/27/2011 12:28:17 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

NC Non-Chlorinated

PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Apr-11

CLIENT: Cypress Engineering
Lab Order: 1104806
Project: Transwestern Pipeline Company Roswell Station
Lab ID: 1104806-07

Client Sample ID: MW-26
Collection Date: 4/19/2011 2:25:00 PM
Date Received: 4/21/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
2-Hexanone	ND	10		µg/L	1	4/27/2011 12:28:17 AM
Isopropylbenzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/27/2011 12:28:17 AM
Methylene Chloride	ND	3.0		µg/L	1	4/27/2011 12:28:17 AM
n-Butylbenzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
n-Propylbenzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
sec-Butylbenzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Styrene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
tert-Butylbenzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/27/2011 12:28:17 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
trans-1,2-DCE	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/27/2011 12:28:17 AM
Vinyl chloride	ND	1.0		µg/L	1	4/27/2011 12:28:17 AM
Xylenes, Total	ND	1.5		µg/L	1	4/27/2011 12:28:17 AM
Surr: 1,2-Dichloroethane-d4	98.2	65.8-138		%REC	1	4/27/2011 12:28:17 AM
Surr: 4-Bromofluorobenzene	107	72.7-128		%REC	1	4/27/2011 12:28:17 AM
Surr: Dibromofluoromethane	99.2	69-135		%REC	1	4/27/2011 12:28:17 AM
Surr: Toluene-d8	95.1	86.1-134		%REC	1	4/27/2011 12:28:17 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Apr-11

CLIENT: Cypress Engineering Client Sample ID: MW-33
 Lab Order: 1104806 Collection Date: 4/19/2011 6:00:00 PM
 Project: Transwestern Pipeline Company Roswell Station Date Received: 4/21/2011
 Lab ID: 1104806-08 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Toluene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Ethylbenzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Naphthalene	ND	2.0		µg/L	1	4/27/2011 12:56:31 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/27/2011 12:56:31 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/27/2011 12:56:31 AM
Acetone	ND	10		µg/L	1	4/27/2011 12:56:31 AM
Bromobenzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Bromodichloromethane	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Bromoform	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Bromomethane	ND	3.0		µg/L	1	4/27/2011 12:56:31 AM
2-Butanone	ND	10		µg/L	1	4/27/2011 12:56:31 AM
Carbon disulfide	ND	10		µg/L	1	4/27/2011 12:56:31 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Chlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Chloroethane	ND	2.0		µg/L	1	4/27/2011 12:56:31 AM
Chloroform	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Chloromethane	ND	3.0		µg/L	1	4/27/2011 12:56:31 AM
2-Chlorotoluene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
4-Chlorotoluene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
cis-1,2-DCE	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/27/2011 12:56:31 AM
Dibromochloromethane	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Dibromomethane	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,1-Dichloroethane	5.7	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,1-Dichloroethene	57	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/27/2011 12:56:31 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
 E Estimated value
 J Analyte detected below quantitation limits
 NC Non-Chlorinated
 PQL Practical Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Apr-11

CLIENT: Cypress Engineering Client Sample ID: MW-33
 Lab Order: 1104806 Collection Date: 4/19/2011 6:00:00 PM
 Project: Transwestern Pipeline Company Roswell Station Date Received: 4/21/2011
 Lab ID: 1104806-08 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
2-Hexanone	ND	10		µg/L	1	4/27/2011 12:56:31 AM
Isopropylbenzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/27/2011 12:56:31 AM
Methylene Chloride	ND	3.0		µg/L	1	4/27/2011 12:56:31 AM
n-Butylbenzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
n-Propylbenzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
sec-Butylbenzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Styrene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
tert-Butylbenzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/27/2011 12:56:31 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
trans-1,2-DCE	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/27/2011 12:56:31 AM
Vinyl chloride	ND	1.0		µg/L	1	4/27/2011 12:56:31 AM
Xylenes, Total	ND	1.5		µg/L	1	4/27/2011 12:56:31 AM
Surr: 1,2-Dichloroethane-d4	92.3	65.8-138		%REC	1	4/27/2011 12:56:31 AM
Surr: 4-Bromofluorobenzene	105	72.7-128		%REC	1	4/27/2011 12:56:31 AM
Surr: Dibromofluoromethane	93.1	69-135		%REC	1	4/27/2011 12:56:31 AM
Surr: Toluene-d8	95.8	86.1-134		%REC	1	4/27/2011 12:56:31 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

NC Non-Chlorinated

PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Apr-11

CLIENT: Cypress Engineering

Client Sample ID: TRIP BLANK

Lab Order: 1104806

Collection Date:

Project: Transwestern Pipeline Company Roswell Station

Date Received: 4/21/2011

Lab ID: 1104806-09

Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Toluene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Ethylbenzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Naphthalene	ND	2.0		µg/L	1	4/27/2011 1:24:45 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/27/2011 1:24:45 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/27/2011 1:24:45 AM
Acetone	ND	10		µg/L	1	4/27/2011 1:24:45 AM
Bromobenzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Bromodichloromethane	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Bromoform	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Bromomethane	ND	3.0		µg/L	1	4/27/2011 1:24:45 AM
2-Butanone	ND	10		µg/L	1	4/27/2011 1:24:45 AM
Carbon disulfide	ND	10		µg/L	1	4/27/2011 1:24:45 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Chlorobenzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Chloroethane	ND	2.0		µg/L	1	4/27/2011 1:24:45 AM
Chloroform	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Chloromethane	ND	3.0		µg/L	1	4/27/2011 1:24:45 AM
2-Chlorotoluene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
4-Chlorotoluene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
cis-1,2-DCE	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/27/2011 1:24:45 AM
Dibromochloromethane	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Dibromomethane	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/27/2011 1:24:45 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

NC Non-Chlorinated

PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 28-Apr-11

CLIENT: Cypress Engineering **Client Sample ID:** TRIP BLANK
Lab Order: 1104806 **Collection Date:**
Project: Transwestern Pipeline Company Roswell Station **Date Received:** 4/21/2011
Lab ID: 1104806-09 **Matrix:** TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
2-Hexanone	ND	10		µg/L	1	4/27/2011 1:24:45 AM
Isopropylbenzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/27/2011 1:24:45 AM
Methylene Chloride	ND	3.0		µg/L	1	4/27/2011 1:24:45 AM
n-Butylbenzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
n-Propylbenzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
sec-Butylbenzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Styrene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
tert-Butylbenzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/27/2011 1:24:45 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
trans-1,2-DCE	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/27/2011 1:24:45 AM
Vinyl chloride	ND	1.0		µg/L	1	4/27/2011 1:24:45 AM
Xylenes, Total	ND	1.5		µg/L	1	4/27/2011 1:24:45 AM
Surr: 1,2-Dichloroethane-d4	92.8	65.8-138		%REC	1	4/27/2011 1:24:45 AM
Surr: 4-Bromofluorobenzene	104	72.7-128		%REC	1	4/27/2011 1:24:45 AM
Surr: Dibromofluoromethane	97.6	69-135		%REC	1	4/27/2011 1:24:45 AM
Surr: Toluene-d8	97.8	86.1-134		%REC	1	4/27/2011 1:24:45 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
E Estimated value	H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
NC Non-Chlorinated	ND Not Detected at the Reporting Limit
PQL Practical Quantitation Limit	S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
 Project: Transwestern Pipeline Company Roswell Station

Work Order: 1104806

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 5ML RB		MBLK				Batch ID: R44974		Analysis Date: 4/26/2011 8:00:56 AM			
benzene	ND	µg/L	1.0								
toluene	ND	µg/L	1.0								
ethylbenzene	ND	µg/L	1.0								
xylene, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		LCS				Batch ID: R44974		Analysis Date: 4/26/2011 6:17:32 PM			
benzene	19.43	µg/L	1.0	20	0	97.2	93.4	120			
toluene	19.22	µg/L	1.0	20	0	96.1	96.2	122			S
ethylbenzene	19.67	µg/L	1.0	20	0	98.4	95	121			
xylene, Total	58.81	µg/L	2.0	60	0	98.0	97.6	122			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Cypress Engineering
 Project: Transwestern Pipeline Company Roswell Station

Work Order: 1104806

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		MBLK				Batch ID: R44993		Analysis Date: 4/26/2011 9:21:43 AM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Cypress Engineering
 Project: Transwestern Pipeline Company Roswell Station

Work Order: 1104806

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		MBLK				Batch ID: R44993		Analysis Date: 4/26/2011 9:21:43 AM			
Methyl-2-pentanone	ND	µg/L	10								
Ethylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
1,1,2,2-Tetrachloroethane (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Arylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		LCS				Batch ID: R44993		Analysis Date: 4/26/2011 10:18:09 AM			
Benzene	20.86	µg/L	1.0	20	0	104	85.2	121			
Toluene	21.17	µg/L	1.0	20	0	106	88.3	121			
Chlorobenzene	20.30	µg/L	1.0	20	0	102	91.9	110			
1,1-Dichloroethene	22.86	µg/L	1.0	20	0	114	91.5	134			
Trichloroethene (TCE)	18.92	µg/L	1.0	20	0	94.8	78.3	102			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name CYP

Date Received:

4/21/2011

Work Order Number 1104806

Received by: MMG

Sample ID labels checked by:

Checklist completed by:

Signature

4/21/11

Date

Initials

Matrix:

Carrier name: UPS

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☒

No ☐

Number of preserved bottles checked for pH:

or - Preservation labels on bottle and cap match?

Yes ☐

No ☐

N/A ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

<2 >12 unless noted below.

Container/Temp Blank temperature?

3.1°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Corrective Action

Chain-of-Custody Record		Turn-Around Time:	
Client: <u>CIVIL PRESS ENGINEERING SERVICES</u>		☒ Standard ☐ Rush	
<u>2171 Hwy 6 North Ste 102</u>		Project Name: <u>TRANSALCAN Pipeline Company</u>	
Mailing Address: <u>Houston TX 77025</u>		<u>Reed Station</u>	
Phone #: <u>281.297.3421</u>		Project #: <u>TWP Road Sta</u>	
email or Fax#:		Project Manager: <u>GEORGE ROBINSON</u>	
QA/QC Package:		Sampler: <u>Sammy Slano</u>	
☒ Standard ☐ Level 4 (Full Validation)		On Ice: ☒ Yes ☐ No	
Accreditation		Sample Temperature: <u>31</u>	
☐ NELAP ☐ Other _____			
☐ EDD (Type) _____			

3

Date: 12/11	Time: 1000	Relinquished by: 	Received by: Michelle Garcia	Date 4/21/11	Time 10:15	Remarks: X1 VOAS FROM TRIP BLOCK WAS RECEIVED BROKEN. I DID NOT REMEMBER W/ F/ PACKAGING. BE CAREFUL!
Date:	Time:	Relinquished by:	Received by:	Date	Time	



BTEX + MTBE + TMB's (8021)
BTEX + MTBE + TPH (Gas only)
TPH Method 8015B (Gas/Diesel)
TPH (Method 418.1)
EDB (Method 504.1)
8310 (PNA or PAH)
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)

...serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

January 14, 2012

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

RE: TWP Compressor Station 9 Roswell, NM 88201

OrderNo.: 1201100

Dear George Robinson:

Hall Environmental Analysis Laboratory received 15 sample(s) on 1/5/2012 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Analytical results designated with a "J" qualifier are estimated and represent a detection above the Method Detection Limit (MDL) and less than the Reporting Limit (PQL). These analytes are not reviewed nor narrated as to whether they are laboratory artifacts.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1201100

Date Reported: 1/14/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering

Client Sample ID: MW-4

Project: TWP Compressor Station 9 Roswell, NM

Collection Date: 1/2/2012 8:00:00 AM

Lab ID: 1201100-001

Matrix: AQUEOUS

Received Date: 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Benzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Toluene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Ethylbenzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Naphthalene	ND	2.0		µg/L	1	1/5/2012 7:30:04 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2012 7:30:04 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2012 7:30:04 PM
Acetone	ND	10		µg/L	1	1/5/2012 7:30:04 PM
Bromobenzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Bromodichloromethane	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Bromoform	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Bromomethane	ND	3.0		µg/L	1	1/5/2012 7:30:04 PM
2-Butanone	ND	10		µg/L	1	1/5/2012 7:30:04 PM
Carbon disulfide	ND	10		µg/L	1	1/5/2012 7:30:04 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Chlorobenzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Chloroethane	ND	2.0		µg/L	1	1/5/2012 7:30:04 PM
Chloroform	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Chloromethane	ND	3.0		µg/L	1	1/5/2012 7:30:04 PM
2-Chlorotoluene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
4-Chlorotoluene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
cis-1,2-DCE	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/5/2012 7:30:04 PM
Dibromochloromethane	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Dibromomethane	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	1/5/2012 7:30:04 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
2-Hexanone	ND	10		µg/L	1	1/5/2012 7:30:04 PM

Qualifiers: *X Value exceeds Maximum Contaminant Level.
 E Value above quantitation range
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1201100

Date Reported: 1/14/2012

CLIENT: Cypress Engineering**Client Sample ID:** MW-4**Project:** TWP Compressor Station 9 Roswell, NM**Collection Date:** 1/2/2012 8:00:00 AM**Lab ID:** 1201100-001**Matrix:** AQUEOUS**Received Date:** 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Isopropylbenzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/5/2012 7:30:04 PM
Methylene Chloride	ND	3.0		µg/L	1	1/5/2012 7:30:04 PM
n-Butylbenzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
n-Propylbenzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
sec-Butylbenzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Styrene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
tert-Butylbenzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/5/2012 7:30:04 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
trans-1,2-DCE	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/5/2012 7:30:04 PM
Vinyl chloride	ND	1.0		µg/L	1	1/5/2012 7:30:04 PM
Xylenes, Total	ND	1.5		µg/L	1	1/5/2012 7:30:04 PM
Surr: 1,2-Dichloroethane-d4	90.2	70-130		%REC	1	1/5/2012 7:30:04 PM
Surr: 4-Bromofluorobenzene	89.8	73-131		%REC	1	1/5/2012 7:30:04 PM
Surr: Dibromofluoromethane	89.3	70-130		%REC	1	1/5/2012 7:30:04 PM
Surr: Toluene-d8	82.5	70-130		%REC	1	1/5/2012 7:30:04 PM

Qualifiers: * / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Analytical Report

Lab Order 1201100

Date Reported: 1/14/2012

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Cypress Engineering**Client Sample ID:** MW-13**Project:** TWP Compressor Station 9 Roswell, NM**Collection Date:** 1/2/2012 10:55:00 AM**Lab ID:** 1201100-002**Matrix:** AQUEOUS**Received Date:** 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: JDJ
Benzene	ND	1.0		µg/L	1	1/5/2012 11:43:15 PM
Toluene	ND	1.0		µg/L	1	1/5/2012 11:43:15 PM
Ethylbenzene	ND	1.0		µg/L	1	1/5/2012 11:43:15 PM
Xylenes, Total	ND	2.0		µg/L	1	1/5/2012 11:43:15 PM
Surr: 1,2-Dichloroethane-d4	88.3	70-130		%REC	1	1/5/2012 11:43:15 PM
Surr: 4-Bromofluorobenzene	84.7	73-131		%REC	1	1/5/2012 11:43:15 PM
Surr: Dibromofluoromethane	92.5	70-130		%REC	1	1/5/2012 11:43:15 PM
Surr: Toluene-d8	81.2	70-130		%REC	1	1/5/2012 11:43:15 PM

Qualifiers: *X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Analytical Report

Lab Order 1201100

Date Reported: 1/14/2012

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Cypress Engineering**Client Sample ID:** MW-14**Project:** TWP Compressor Station 9 Roswell, NM**Collection Date:** 1/2/2012 11:41:00 AM**Lab ID:** 1201100-003**Matrix:** AQUEOUS**Received Date:** 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: JDJ
Benzene	ND	1.0		µg/L	1	1/6/2012 12:11:13 AM
Toluene	ND	1.0		µg/L	1	1/6/2012 12:11:13 AM
Ethylbenzene	ND	1.0		µg/L	1	1/6/2012 12:11:13 AM
Xylenes, Total	ND	2.0		µg/L	1	1/6/2012 12:11:13 AM
Sum: 1,2-Dichloroethane-d4	90.9	70-130		%REC	1	1/6/2012 12:11:13 AM
Sum: 4-Bromofluorobenzene	85.2	73-131		%REC	1	1/6/2012 12:11:13 AM
Sum: Dibromofluoromethane	94.3	70-130		%REC	1	1/6/2012 12:11:13 AM
Sum: Toluene-d8	88.7	70-130		%REC	1	1/6/2012 12:11:13 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1201100

Date Reported: 1/14/2012

CLIENT: Cypress Engineering**Client Sample ID:** MW-20**Project:** TWP Compressor Station 9 Roswell, NM**Collection Date:** 1/3/2012 11:30:00 AM**Lab ID:** 1201100-004**Matrix:** AQUEOUS**Received Date:** 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Benzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Toluene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Ethylbenzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Naphthalene	ND	2.0		µg/L	1	1/5/2012 7:59:48 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2012 7:59:48 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2012 7:59:48 PM
Acetone	ND	10		µg/L	1	1/5/2012 7:59:48 PM
Bromobenzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Bromodichloromethane	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Bromoform	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Bromomethane	ND	3.0		µg/L	1	1/5/2012 7:59:48 PM
2-Butanone	ND	10		µg/L	1	1/5/2012 7:59:48 PM
Carbon disulfide	ND	10		µg/L	1	1/5/2012 7:59:48 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Chlorobenzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Chloroethane	ND	2.0		µg/L	1	1/5/2012 7:59:48 PM
Chloroform	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Chloromethane	ND	3.0		µg/L	1	1/5/2012 7:59:48 PM
2-Chlorotoluene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
4-Chlorotoluene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
cis-1,2-DCE	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/5/2012 7:59:48 PM
Dibromochloromethane	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Dibromomethane	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,1-Dichloroethane	5.1	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,1-Dichloroethene	6.4	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	1/5/2012 7:59:48 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
2-Hexanone	ND	10		µg/L	1	1/5/2012 7:59:48 PM

Qualifiers: * / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Analytical Report

Lab Order 1201100

Date Reported: 1/14/2012

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Cypress Engineering**Client Sample ID:** MW-20**Project:** TWP Compressor Station 9 Roswell, NM**Collection Date:** 1/3/2012 11:30:00 AM**Lab ID:** 1201100-004**Matrix:** AQUEOUS**Received Date:** 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Isopropylbenzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/5/2012 7:59:48 PM
Methylene Chloride	ND	3.0		µg/L	1	1/5/2012 7:59:48 PM
n-Butylbenzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
n-Propylbenzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
sec-Butylbenzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Styrene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
tert-Butylbenzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/5/2012 7:59:48 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
trans-1,2-DCE	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/5/2012 7:59:48 PM
Vinyl chloride	ND	1.0		µg/L	1	1/5/2012 7:59:48 PM
Xylenes, Total	ND	1.5		µg/L	1	1/5/2012 7:59:48 PM
Surr: 1,2-Dichloroethane-d4	84.2	70-130		%REC	1	1/5/2012 7:59:48 PM
Surr: 4-Bromofluorobenzene	84.0	73-131		%REC	1	1/5/2012 7:59:48 PM
Surr: Dibromofluoromethane	88.6	70-130		%REC	1	1/5/2012 7:59:48 PM
Surr: Toluene-d8	86.2	70-130		%REC	1	1/5/2012 7:59:48 PM

Qualifiers:

* / X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1201100

Date Reported: 1/14/2012

CLIENT: Cypress Engineering**Client Sample ID:** MW-21**Project:** TWP Compressor Station 9 Roswell, NM**Collection Date:** 1/3/2012 9:27:00 AM**Lab ID:** 1201100-005**Matrix:** AQUEOUS**Received Date:** 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: JDJ
Benzene	ND	1.0		µg/L	1	1/6/2012 12:39:10 AM
Toluene	ND	1.0		µg/L	1	1/6/2012 12:39:10 AM
Ethylbenzene	ND	1.0		µg/L	1	1/6/2012 12:39:10 AM
Xylenes, Total	ND	2.0		µg/L	1	1/6/2012 12:39:10 AM
Surr: 1,2-Dichloroethane-d4	86.0	70-130		%REC	1	1/6/2012 12:39:10 AM
Surr: 4-Bromofluorobenzene	80.3	73-131		%REC	1	1/6/2012 12:39:10 AM
Surr: Dibromofluoromethane	84.3	70-130		%REC	1	1/6/2012 12:39:10 AM
Surr: Toluene-d8	81.7	70-130		%REC	1	1/6/2012 12:39:10 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1201100

Date Reported: 1/14/2012

CLIENT: Cypress Engineering

Client Sample ID: MW-22

Project: TWP Compressor Station 9 Roswell, NM

Collection Date: 1/3/2012 12:35:00 PM

Lab ID: 1201100-006

Matrix: AQUEOUS

Received Date: 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Benzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Toluene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Ethylbenzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Naphthalene	ND	2.0		µg/L	1	1/5/2012 8:27:47 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2012 8:27:47 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2012 8:27:47 PM
Acetone	ND	10		µg/L	1	1/5/2012 8:27:47 PM
Bromobenzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Bromodichloromethane	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Bromoform	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Bromomethane	ND	3.0		µg/L	1	1/5/2012 8:27:47 PM
2-Butanone	ND	10		µg/L	1	1/5/2012 8:27:47 PM
Carbon disulfide	ND	10		µg/L	1	1/5/2012 8:27:47 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Chlorobenzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Chloroethane	ND	2.0		µg/L	1	1/5/2012 8:27:47 PM
Chloroform	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Chloromethane	ND	3.0		µg/L	1	1/5/2012 8:27:47 PM
2-Chlorotoluene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
4-Chlorotoluene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
cis-1,2-DCE	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/5/2012 8:27:47 PM
Dibromochloromethane	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Dibromomethane	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	1/5/2012 8:27:47 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
2-Hexanone	ND	10		µg/L	1	1/5/2012 8:27:47 PM

Qualifiers: *X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering

Client Sample ID: MW-22

Project: TWP Compressor Station 9 Roswell, NM

Collection Date: 1/3/2012 12:35:00 PM

Lab ID: 1201100-006

Matrix: AQUEOUS

Received Date: 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Isopropylbenzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/5/2012 8:27:47 PM
Methylene Chloride	ND	3.0		µg/L	1	1/5/2012 8:27:47 PM
n-Butylbenzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
n-Propylbenzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
sec-Butylbenzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Styrene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
tert-Butylbenzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/5/2012 8:27:47 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
trans-1,2-DCE	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/5/2012 8:27:47 PM
Vinyl chloride	ND	1.0		µg/L	1	1/5/2012 8:27:47 PM
Xylenes, Total	ND	1.5		µg/L	1	1/5/2012 8:27:47 PM
Surr: 1,2-Dichloroethane-d4	90.2	70-130		%REC	1	1/5/2012 8:27:47 PM
Surr: 4-Bromofluorobenzene	82.8	73-131		%REC	1	1/5/2012 8:27:47 PM
Surr: Dibromofluoromethane	92.1	70-130		%REC	1	1/5/2012 8:27:47 PM
Surr: Toluene-d8	89.9	70-130		%REC	1	1/5/2012 8:27:47 PM

Qualifiers: *X Value exceeds Maximum Contaminant Level.
 E Value above quantitation range
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit

Analytical Report

Lab Order 1201100

Date Reported: 1/14/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering

Client Sample ID: MW-23D

Project: TWP Compressor Station 9 Roswell, NM

Collection Date: 1/3/2012 4:30:00 PM

Lab ID: 1201100-007

Matrix: AQUEOUS

Received Date: 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: JDJ
Benzene	ND	1.0		µg/L	1	1/6/2012 1:07:04 AM
Toluene	ND	1.0		µg/L	1	1/6/2012 1:07:04 AM
Ethylbenzene	ND	1.0		µg/L	1	1/6/2012 1:07:04 AM
Xylenes, Total	ND	2.0		µg/L	1	1/6/2012 1:07:04 AM
Surr: 1,2-Dichloroethane-d4	87.9	70-130		%REC	1	1/6/2012 1:07:04 AM
Surr: 4-Bromofluorobenzene	88.2	73-131		%REC	1	1/6/2012 1:07:04 AM
Surr: Dibromofluoromethane	91.9	70-130		%REC	1	1/6/2012 1:07:04 AM
Surr: Toluene-d8	82.4	70-130		%REC	1	1/6/2012 1:07:04 AM

Qualifiers:

* / X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Analytical Report

Lab Order 1201100

Date Reported: 1/14/2012

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Cypress Engineering**Client Sample ID:** MW-24D**Project:** TWP Compressor Station 9 Roswell, NM**Collection Date:** 1/3/2012 3:35:00 PM**Lab ID:** 1201100-008**Matrix:** AQUEOUS**Received Date:** 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: JDJ
Benzene	ND	1.0		µg/L	1	1/6/2012 1:34:58 AM
Toluene	ND	1.0		µg/L	1	1/6/2012 1:34:58 AM
Ethylbenzene	ND	1.0		µg/L	1	1/6/2012 1:34:58 AM
Xylenes, Total	ND	2.0		µg/L	1	1/6/2012 1:34:58 AM
Surr: 1,2-Dichloroethane-d4	92.0	70-130		%REC	1	1/6/2012 1:34:58 AM
Surr: 4-Bromofluorobenzene	86.8	73-131		%REC	1	1/6/2012 1:34:58 AM
Surr: Dibromofluoromethane	93.7	70-130		%REC	1	1/6/2012 1:34:58 AM
Surr: Toluene-d8	80.1	70-130		%REC	1	1/6/2012 1:34:58 AM

Qualifiers: * / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Analytical Report

Lab Order 1201100

Date Reported: 1/14/2012

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Cypress Engineering**Client Sample ID:** MW-25D**Project:** TWP Compressor Station 9 Roswell, NM**Collection Date:** 1/3/2012 2:40:00 PM**Lab ID:** 1201100-009**Matrix:** AQUEOUS**Received Date:** 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: JDJ
Benzene	ND	1.0		µg/L	1	1/6/2012 2:58:33 AM
Toluene	ND	1.0		µg/L	1	1/6/2012 2:58:33 AM
Ethylbenzene	ND	1.0		µg/L	1	1/6/2012 2:58:33 AM
Xylenes, Total	ND	2.0		µg/L	1	1/6/2012 2:58:33 AM
Surr: 1,2-Dichloroethane-d4	88.4	70-130		%REC	1	1/6/2012 2:58:33 AM
Surr: 4-Bromofluorobenzene	89.9	73-131		%REC	1	1/6/2012 2:58:33 AM
Surr: Dibromofluoromethane	90.2	70-130		%REC	1	1/6/2012 2:58:33 AM
Surr: Toluene-d8	80.2	70-130		%REC	1	1/6/2012 2:58:33 AM

Qualifiers: * / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering

Client Sample ID: MW-26

Project: TWP Compressor Station 9 Roswell, NM

Collection Date: 1/3/2012 10:52:00 AM

Lab ID: 1201100-010

Matrix: AQUEOUS

Received Date: 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Benzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Toluene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Ethylbenzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Naphthalene	ND	2.0		µg/L	1	1/5/2012 8:55:44 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2012 8:55:44 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2012 8:55:44 PM
Acetone	ND	10		µg/L	1	1/5/2012 8:55:44 PM
Bromobenzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Bromodichloromethane	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Bromoform	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Bromomethane	ND	3.0		µg/L	1	1/5/2012 8:55:44 PM
2-Butanone	ND	10		µg/L	1	1/5/2012 8:55:44 PM
Carbon disulfide	ND	10		µg/L	1	1/5/2012 8:55:44 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Chlorobenzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Chloroethane	ND	2.0		µg/L	1	1/5/2012 8:55:44 PM
Chloroform	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Chloromethane	ND	3.0		µg/L	1	1/5/2012 8:55:44 PM
2-Chlorotoluene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
4-Chlorotoluene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
cis-1,2-DCE	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/5/2012 8:55:44 PM
Dibromochloromethane	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Dibromomethane	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,1-Dichloroethane	7.8	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,1-Dichloroethene	57	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	1/5/2012 8:55:44 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
2-Hexanone	ND	10		µg/L	1	1/5/2012 8:55:44 PM

Qualifiers: *X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Analytical Report

Lab Order 1201100

Date Reported: 1/14/2012

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Cypress Engineering**Client Sample ID:** MW-26**Project:** TWP Compressor Station 9 Roswell, NM**Collection Date:** 1/3/2012 10:52:00 AM**Lab ID:** 1201100-010**Matrix:** AQUEOUS**Received Date:** 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Isopropylbenzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/5/2012 8:55:44 PM
Methylene Chloride	ND	3.0		µg/L	1	1/5/2012 8:55:44 PM
n-Butylbenzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
n-Propylbenzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
sec-Butylbenzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Styrene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
tert-Butylbenzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/5/2012 8:55:44 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
trans-1,2-DCE	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/5/2012 8:55:44 PM
Vinyl chloride	ND	1.0		µg/L	1	1/5/2012 8:55:44 PM
Xylenes, Total	ND	1.5		µg/L	1	1/5/2012 8:55:44 PM
Surr: 1,2-Dichloroethane-d4	90.9	70-130		%REC	1	1/5/2012 8:55:44 PM
Surr: 4-Bromofluorobenzene	82.5	73-131		%REC	1	1/5/2012 8:55:44 PM
Surr: Dibromofluoromethane	93.5	70-130		%REC	1	1/5/2012 8:55:44 PM
Surr: Toluene-d8	83.4	70-130		%REC	1	1/5/2012 8:55:44 PM

Qualifiers:

- *X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cypress Engineering **Client Sample ID:** MW-29
Project: TWP Compressor Station 9 Roswell, NM **Collection Date:** 1/2/2012 4:20:00 PM
Lab ID: 1201100-011 **Matrix:** AQUEOUS **Received Date:** 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: JDJ
Benzene	ND	1.0		µg/L	1	1/6/2012 3:26:32 AM
Toluene	ND	1.0		µg/L	1	1/6/2012 3:26:32 AM
Ethylbenzene	ND	1.0		µg/L	1	1/6/2012 3:26:32 AM
Xylenes, Total	ND	2.0		µg/L	1	1/6/2012 3:26:32 AM
Surr: 1,2-Dichloroethane-d4	94.5	70-130		%REC	1	1/6/2012 3:26:32 AM
Surr: 4-Bromofluorobenzene	83.6	73-131		%REC	1	1/6/2012 3:26:32 AM
Surr: Dibromofluoromethane	94.9	70-130		%REC	1	1/6/2012 3:26:32 AM
Surr: Toluene-d8	81.8	70-130		%REC	1	1/6/2012 3:26:32 AM

Qualifiers:	* / X	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
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1201100

Date Reported: 1/14/2012

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Cypress Engineering**Client Sample ID:** MW-32**Project:** TWP Compressor Station 9 Roswell, NM**Collection Date:** 1/2/2012 3:46:00 PM**Lab ID:** 1201100-012**Matrix:** AQUEOUS**Received Date:** 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: JDJ
Benzene	1.8	1.0		µg/L	1	1/6/2012 3:54:30 AM
Toluene	ND	1.0		µg/L	1	1/6/2012 3:54:30 AM
Ethylbenzene	ND	1.0		µg/L	1	1/6/2012 3:54:30 AM
Xylenes, Total	ND	2.0		µg/L	1	1/6/2012 3:54:30 AM
Surr: 1,2-Dichloroethane-d4	85.6	70-130		%REC	1	1/6/2012 3:54:30 AM
Surr: 4-Bromofluorobenzene	85.1	73-131		%REC	1	1/6/2012 3:54:30 AM
Surr: Dibromofluoromethane	88.7	70-130		%REC	1	1/6/2012 3:54:30 AM
Surr: Toluene-d8	85.9	70-130		%REC	1	1/6/2012 3:54:30 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
 E Value above quantitation range
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Analytical Report

Lab Order 1201100

Date Reported: 1/14/2012

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Cypress Engineering**Client Sample ID:** MW-34**Project:** TWP Compressor Station 9 Roswell, NM**Collection Date:** 1/2/2012 1:35:00 PM**Lab ID:** 1201100-013**Matrix:** AQUEOUS**Received Date:** 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: JDJ
Benzene	210	10		µg/L	10	1/9/2012 1:14:41 PM
Toluene	ND	1.0		µg/L	1	1/6/2012 4:22:27 AM
Ethylbenzene	ND	1.0		µg/L	1	1/6/2012 4:22:27 AM
Xylenes, Total	ND	2.0		µg/L	1	1/6/2012 4:22:27 AM
Surr: 1,2-Dichloroethane-d4	82.4	70-130		%REC	1	1/6/2012 4:22:27 AM
Surr: 4-Bromofluorobenzene	86.3	73-131		%REC	1	1/6/2012 4:22:27 AM
Surr: Dibromofluoromethane	87.0	70-130		%REC	1	1/6/2012 4:22:27 AM
Surr: Toluene-d8	88.2	70-130		%REC	1	1/6/2012 4:22:27 AM

Qualifiers:

* / X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Analytical Report

Lab Order 1201100

Date Reported: 1/14/2012

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Cypress Engineering**Client Sample ID:** MW-35**Project:** TWP Compressor Station 9 Roswell, NM**Collection Date:** 1/2/2012 3:16:00 PM**Lab ID:** 1201100-014**Matrix:** AQUEOUS**Received Date:** 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: JDJ
Benzene	ND	1.0		µg/L	1	1/6/2012 4:50:23 AM
Toluene	ND	1.0		µg/L	1	1/6/2012 4:50:23 AM
Ethylbenzene	ND	1.0		µg/L	1	1/6/2012 4:50:23 AM
Xylenes, Total	ND	2.0		µg/L	1	1/6/2012 4:50:23 AM
Surr: 1,2-Dichloroethane-d4	91.8	70-130		%REC	1	1/6/2012 4:50:23 AM
Surr: 4-Bromofluorobenzene	82.9	73-131		%REC	1	1/6/2012 4:50:23 AM
Surr: Dibromofluoromethane	91.4	70-130		%REC	1	1/6/2012 4:50:23 AM
Surr: Toluene-d8	91.0	70-130		%REC	1	1/6/2012 4:50:23 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
 E Value above quantitation range
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1201100

Date Reported: 1/14/2012

CLIENT: Cypress Engineering**Client Sample ID:** Trip Blank**Project:** TWP Compressor Station 9 Roswell, NM**Collection Date:****Lab ID:** 1201100-015**Matrix:** AQUEOUS**Received Date:** 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Benzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Toluene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Ethylbenzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Naphthalene	ND	2.0		µg/L	1	1/5/2012 11:15:16 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2012 11:15:16 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	1/5/2012 11:15:16 PM
Acetone	ND	10		µg/L	1	1/5/2012 11:15:16 PM
Bromobenzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Bromodichloromethane	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Bromoform	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Bromomethane	ND	3.0		µg/L	1	1/5/2012 11:15:16 PM
2-Butanone	ND	10		µg/L	1	1/5/2012 11:15:16 PM
Carbon disulfide	ND	10		µg/L	1	1/5/2012 11:15:16 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Chlorobenzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Chloroethane	ND	2.0		µg/L	1	1/5/2012 11:15:16 PM
Chloroform	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Chloromethane	ND	3.0		µg/L	1	1/5/2012 11:15:16 PM
2-Chlorotoluene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
4-Chlorotoluene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
cis-1,2-DCE	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/5/2012 11:15:16 PM
Dibromochloromethane	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Dibromomethane	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	1/5/2012 11:15:16 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
2-Hexanone	ND	10		µg/L	1	1/5/2012 11:15:16 PM

Qualifiers: * / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1201100

Date Reported: 1/14/2012

CLIENT: Cypress Engineering**Client Sample ID:** Trip Blank**Project:** TWP Compressor Station 9 Roswell, NM**Collection Date:****Lab ID:** 1201100-015**Matrix:** AQUEOUS**Received Date:** 1/5/2012 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JDJ
Isopropylbenzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/5/2012 11:15:16 PM
Methylene Chloride	ND	3.0		µg/L	1	1/5/2012 11:15:16 PM
n-Butylbenzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
n-Propylbenzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
sec-Butylbenzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Styrene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
tert-Butylbenzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/5/2012 11:15:16 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
trans-1,2-DCE	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/5/2012 11:15:16 PM
Vinyl chloride	ND	1.0		µg/L	1	1/5/2012 11:15:16 PM
Xylenes, Total	ND	1.5		µg/L	1	1/5/2012 11:15:16 PM
Surr: 1,2-Dichloroethane-d4	89.2	70-130		%REC	1	1/5/2012 11:15:16 PM
Surr: 4-Bromofluorobenzene	86.5	73-131		%REC	1	1/5/2012 11:15:16 PM
Surr: Dibromofluoromethane	89.5	70-130		%REC	1	1/5/2012 11:15:16 PM
Surr: Toluene-d8	86.6	70-130		%REC	1	1/5/2012 11:15:16 PM

Qualifiers: *X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1201100

14-Jan-12

Client: Cypress Engineering

Project: TWP Compressor Station 9 Roswell, NM 88201

Sample ID: b3	SampType: MBLK	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: PBW	Batch ID: R232	RunNo: 232								
Prep Date:	Analysis Date: 1/5/2012	SeqNo: 7190			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								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Xylenes, Total	ND	2.0								
Surr: 1,2-Dichloroethane-d4	8.8		10.00		87.6	70	130			
Surr: 4-Bromofluorobenzene	8.7		10.00		87.4	73	131			
Surr: Dibromofluoromethane	9.1		10.00		91.2	70	130			
Surr: Toluene-d8	8.0		10.00		80.1	70	130			

Sample ID: 100ng lcs-2	SampType: LCS	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: LCSW	Batch ID: R232	RunNo: 232								
Prep Date:	Analysis Date: 1/5/2012	SeqNo: 7193			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	107	81.1	130			
Toluene	20	1.0	20.00	0	99.7	82.3	122			
Surr: 1,2-Dichloroethane-d4	8.3		10.00		82.7	70	130			
Surr: 4-Bromofluorobenzene	8.7		10.00		87.3	73	131			
Surr: Dibromofluoromethane	8.4		10.00		84.0	70	130			
Surr: Toluene-d8	8.8		10.00		88.0	70	130			

Sample ID: 1201100-008A MS	SampType: MS	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: MW-24D	Batch ID: R232	RunNo: 232								
Prep Date:	Analysis Date: 1/6/2012	SeqNo: 7194			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	110	69.2	127			
Toluene	21	1.0	20.00	0	106	68.2	130			
Surr: 1,2-Dichloroethane-d4	9.4		10.00		94.2	70	130			
Surr: 4-Bromofluorobenzene	7.7		10.00		77.4	73	131			
Surr: Dibromofluoromethane	8.9		10.00		89.4	70	130			
Surr: Toluene-d8	9.4		10.00		93.7	70	130			

Qualifiers:

*X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1201100

14-Jan-12

Client: Cypress Engineering

Project: TWP Compressor Station 9 Roswell, NM 88201

Sample ID: 1201100-008A MSD		SampType: MSD		TestCode: EPA Method 8260: Volatiles Short List						
Client ID: MW-24D		Batch ID: R232		RunNo: 232						
Prep Date:		Analysis Date: 1/8/2012		SeqNo: 7195		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	24	1.0	20.00	0	118	69.2	127	6.62	18.7	
Toluene	19	1.0	20.00	0	96.3	68.2	130	9.67	16.9	
Surr: 1,2-Dichloroethane-d4	9.1		10.00		91.0	70	130	0	0	
Surr: 4-Bromofluorobenzene	8.5		10.00		84.6	73	131	0	0	
Surr: Dibromofluoromethane	8.3		10.00		82.5	70	130	0	0	
Surr: Toluene-d8	8.6		10.00		85.5	70	130	0	0	

Sample ID: 5ml rb		SampType: MBLK		TestCode: EPA Method 8260: Volatiles Short List						
Client ID: PBW		Batch ID: R278		RunNo: 278						
Prep Date:		Analysis Date: 1/9/2012		SeqNo: 8570		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Surr: 1,2-Dichloroethane-d4	8.3		10.00		82.9	70	130			
Surr: 4-Bromofluorobenzene	8.9		10.00		88.6	73	131			
Surr: Dibromofluoromethane	9.6		10.00		95.9	70	130			
Surr: Toluene-d8	9.1		10.00		91.2	70	130			

Sample ID: 100NG LCS		SampType: LCS		TestCode: EPA Method 8260: Volatiles Short List						
Client ID: LCSW		Batch ID: R278		RunNo: 278						
Prep Date:		Analysis Date: 1/9/2012		SeqNo: 8571		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	104	83.1	126			
Surr: 1,2-Dichloroethane-d4	8.6		10.00		85.9	70	130			
Surr: 4-Bromofluorobenzene	8.4		10.00		84.4	73	131			
Surr: Dibromofluoromethane	9.3		10.00		92.6	70	130			
Surr: Toluene-d8	9.0		10.00		89.7	70	130			

Qualifiers:

*X Value exceeds Maximum Contaminant Level.
Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1201100

14-Jan-12

Client: Cypress Engineering

Project: TWP Compressor Station 9 Roswell, NM 88201

Sample ID: 5ml rb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: R232	RunNo: 232								
Prep Date:	Analysis Date: 1/5/2012	SeqNo: 7167			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								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								

Qualifiers:

*X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1201100

14-Jan-12

Client: Cypress Engineering
Project: TWP Compressor Station 9 Roswell, NM 88201

Sample ID: 5ml rb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: R232	RunNo: 232								
Prep Date:	Analysis Date: 1/5/2012	SeqNo: 7167			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	1.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Sum: 1,2-Dichloroethane-d4	8.3		10.00		83.0	70	130			
Sum: 4-Bromofluorobenzene	8.3		10.00		82.8	73	131			
Sum: Dibromofluoromethane	8.7		10.00		87.3	70	130			
Sum: Toluene-d8	8.1		10.00		81.4	70	130			

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES								
Client ID: LCSW	Batch ID: R232	RunNo: 232								
Prep Date:	Analysis Date: 1/5/2012	SeqNo: 7168			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	24	1.0	20.00	0	119	81.1	130			
Toluene	20	1.0	20.00	0	100	82.3	122			
Chlorobenzene	20	1.0	20.00	0	102	70	130			
1,1-Dichloroethane	23	1.0	20.00	0	115	83.1	126			
Trichloroethene (TCE)	20	1.0	20.00	0	101	67.4	137			
Sum: 1,2-Dichloroethane-d4	9.2		10.00		92.0	70	130			
Sum: 4-Bromofluorobenzene	8.5		10.00		85.1	73	131			

Qualifiers:

*X Value exceeds Maximum Contaminant Level.
Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1201100

14-Jan-12

Client: Cypress Engineering

Project: TWP Compressor Station 9 Roswell, NM 88201

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES
Client ID: LCSW	Batch ID: R232	RunNo: 232
Prep Date:	Analysis Date: 1/5/2012	SeqNo: 7168 Units: µg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: Dibromofluoromethane	8.4	10.00 84.1 70 130
Surr: Toluene-d8	8.6	10.00 86.3 70 130

Sample ID: 1201062-001a ms	SampType: MS	TestCode: EPA Method 8260B: VOLATILES
Client ID: BatchQC	Batch ID: R232	RunNo: 232
Prep Date:	Analysis Date: 1/5/2012	SeqNo: 7171 Units: µg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Benzene	23	1.0 20.00 0 117 69.2 127
Toluene	20	1.0 20.00 0 99.9 68.2 130
Chlorobenzene	21	1.0 20.00 0 106 74 122
1,1-Dichloroethene	24	1.0 20.00 0.7640 114 69.3 123
Trichloroethene (TCE)	19	1.0 20.00 0 93.9 61.3 127
Surr: 1,2-Dichloroethane-d4	8.6	10.00 86.2 70 130
Surr: 4-Bromofluorobenzene	8.3	10.00 83.3 73 131
Surr: Dibromofluoromethane	8.5	10.00 84.6 70 130
Surr: Toluene-d8	8.7	10.00 87.5 70 130

Sample ID: 1201062-001a msd	SampType: MSD	TestCode: EPA Method 8260B: VOLATILES
Client ID: BatchQC	Batch ID: R232	RunNo: 232
Prep Date:	Analysis Date: 1/5/2012	SeqNo: 7172 Units: µg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Benzene	21	1.0 20.00 0 103 69.2 127 12.4 18.7
Toluene	19	1.0 20.00 0 94.3 68.2 130 5.83 16.9
Chlorobenzene	19	1.0 20.00 0 95.9 74 122 10.5 13.9
1,1-Dichloroethene	21	1.0 20.00 0.7640 101 69.3 123 11.4 16.7
Trichloroethene (TCE)	16	1.0 20.00 0 81.7 61.3 127 13.8 18
Surr: 1,2-Dichloroethane-d4	8.6	10.00 85.6 70 130 0 0
Surr: 4-Bromofluorobenzene	9.0	10.00 90.4 73 131 0 0
Surr: Dibromofluoromethane	7.9	10.00 79.5 70 130 0 0
Surr: Toluene-d8	9.0	10.00 90.2 70 130 0 0

Sample ID: 5ml rb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES
Client ID: PBW	Batch ID: R278	RunNo: 278
Prep Date:	Analysis Date: 1/9/2012	SeqNo: 8568 Units: µg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Benzene	ND	1.0
Surr: 1,2-Dichloroethane-d4	8.3	10.00 82.9 70 130
Surr: 4-Bromofluorobenzene	8.9	10.00 88.6 73 131
Surr: Dibromofluoromethane	9.6	10.00 95.9 70 130

Qualifiers:

* / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1201100

14-Jan-12

nt: Cypress Engineering
Project: TWP Compressor Station 9 Roswell, NM 88201

Sample ID: 5ml rb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES
Client ID: PBW	Batch ID: R278	RunNo: 278
Prep Date:	Analysis Date: 1/9/2012	SeqNo: 8568 Units: µg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: Toluene-d8	9.1	10.00 91.2 70 130

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES
Client ID: LCSW	Batch ID: R278	RunNo: 278
Prep Date:	Analysis Date: 1/9/2012	SeqNo: 8569 Units: µg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Benzene	21	1.0 20.00 0 104 81.1 130
Surr: 1,2-Dichloroethane-d4	8.6	10.00 85.9 70 130
Surr: 4-Bromofluorobenzene	8.4	10.00 84.4 73 131
Surr: Dibromofluoromethane	9.3	10.00 92.6 70 130
Surr: Toluene-d8	9.0	10.00 89.7 70 130

Sample ID: 1201165-001a ms	SampType: MS	TestCode: EPA Method 8260B: VOLATILES
Client ID: BatchQC	Batch ID: R278	RunNo: 278
Prep Date:	Analysis Date: 1/9/2012	SeqNo: 8574 Units: µg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
ne	22	1.0 20.00 0 110 69.2 127
.r: 1,2-Dichloroethane-d4	8.9	10.00 88.6 70 130
Surr: 4-Bromofluorobenzene	9.4	10.00 93.8 73 131
Surr: Dibromofluoromethane	9.4	10.00 93.7 70 130
Surr: Toluene-d8	9.1	10.00 91.4 70 130

Sample ID: 1201165-001a msd	SampType: MSD	TestCode: EPA Method 8260B: VOLATILES
Client ID: BatchQC	Batch ID: R278	RunNo: 278
Prep Date:	Analysis Date: 1/9/2012	SeqNo: 8575 Units: µg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Benzene	21	1.0 20.00 0 103 69.2 127 6.72 18.7
Surr: 1,2-Dichloroethane-d4	8.6	10.00 86.3 70 130 0 0
Surr: 4-Bromofluorobenzene	9.0	10.00 90.3 73 131 0 0
Surr: Dibromofluoromethane	9.4	10.00 94.1 70 130 0 0
Surr: Toluene-d8	9.9	10.00 99.1 70 130 0 0

Qualifiers:

* / X Value exceeds Maximum Contaminant Level.
Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87105
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Receipt Checklist

Client Name CYP

Date and Time Receive 1/5/2012 9:35:00 AM

Work Order Number 1201100

RcptNo: 1

Received by Anne Thorne

Checklist

Completed By: 

Checked by: 

Completed Date: 1/5/2012

Checked Date: 1/5/12

Carrier name UPS

Shipping cooler present and in acceptable condition?

Yes ☒

No ☐

NA ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Not Present ☐

Are matrices correctly identified on Chain of custody?

Yes ☒

No ☐

Is it clear what analyses were requested?

Yes ☒

No ☐

Custody Seals present on cooler?

Yes ☐

No ☐

Custody Seals intact on sample bottles?

Yes ☒

No ☐

NA ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Were correct preservatives used and noted?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

Were container labels complete (ID, Pres, Date)?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Was an attempt made to cool the samples?

Yes ☒

No ☐

All samples received at a temp. of $> 0^{\circ}\text{C}$ to 6.0°C ?

Yes ☒

No ☐

Response when temperature is outside of range:

Preservative added to bottles:

Sample Temp. taken and recorded upon receipt?

Yes ☒

No ☐

1.3 $^{\circ}\text{C}$

Water - Were bubbles absent in VOC vials?

Yes ☒

No ☐

NA ☐

Water - pH acceptable upon receipt?

Yes ☒

No ☐

NA ☐

Sample Condition?

Intact ☒

Broken ☐

Leaking ☐

Number of
preserved
bottles checked
for pH:

<2 or >12 unless noted

Adjusted? _____

Checked by _____

Client Contacted?

☐ Yes

☐ No

☒ NA

Person Contacted:

Comments:

Contact Mode:

☐ Phone:

☐ Fax:

☐ Email:

☐ In Person:

Date Contacted:

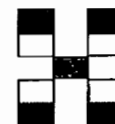
Contacted By:

Regarding:

Corrective Action:

Chain-of-Custody Record

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Client: Cypress Engineering Services Inc.
 ATTN: George Robinson, PE
 Mailing Address: 111 Highway 6 North Ste 102
Houston, TX 77095-2422
 Phone #: 281-797-3420
 email or Fax#: george.robinson@cypressinc.us
 QA/QC Package: Cypress Inc. US
☒ Standard ☐ Level 4 (Full Validation)
 Accreditation
☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Turn-Around Time: 1/12
☒ Standard ☒ Rush
 Project Name: TWP Compressor Station 9
Roswell NM 88201
 Project #: 2nd Semi-Annual
GW Sampling Event 2011
 Project Manager: George Robinson, PE
Sandy Sharp
 Sampler: CM Barnhill, PE
 On-site: 2/1/12 1/12
 Sample Temperature: 1/12

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type		BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCB's	8260B VOC's	8270 (Semi-VOA)	BTEX 8260	Air Bubbles (Y or N)
01/02/12	0800	H ₂ O	MW-4	3x 40mL Vials	HgCl ₂	-1										X			N
01/02/12	1056		MW-13			-2													
01/02/12	1141		MW-14			-3													
01/02/12	1130		MW-20			-4									X				
01/02/12	0927		MW-21			-5													
01/02/12	1235		MW-22			-6									X				
01/02/12	1630		MW-23D			-7												X	
01/02/12	1535		MW-24D			-8												X	
01/02/12	1440		MW-25D			-9												X	
01/02/12	1052		MW-26			-10									X				
01/02/12	16:20		MW-29			-11												X	
01/02/12	15:46		MW-32			-12												X	

Date: 01/04/11 Time: 0800 Relinquished by: [Signature]
 Date: 01/05/12 Time: 0935 Received by: [Signature]
 Remarks: ANY Questions Please
CALL Sandy Sharp @
281-797-3421

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.