Cypress Engineering

7171 Highway 6 North, Suite 102
Houston, Texas 77095-2422
(281) 797-3420 office
(281) 859-1881 fax

December 15, 2011

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

RE: Report of 2010 Groundwater Remediation Activities
Transwestern Pipeline Company - WT-1 Station Engine Room Drain Pit Area
Lea County, New Mexico
Case # GW-109R

Dear Glenn,

The enclosed Report of 2010 Groundwater Remediation Activities is submitted for your review and files. Sorry for the delay getting this submitted. We are planning to have the report for 2011 remediation activities submitted to your office by February 28, 2012.

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

George C. Robinson, PE
President/Principal Engineer

xc w/attachment:

Richard Spell	Transwestern Pipeline Company
Larry Campbell	Transwestern Pipeline Company
Geoffrey R Leking	NMOCD Hobbs District Office

Report of 2010 Groundwater Remediation Activities

Transwestern Pipeline Company
WT-1 Compressor Station
Engine Room Drain Pit Area
Lea County, New Mexico

Case # GW-109R

Submitted to:
New Mexico Oil Conservation Division

December 14, 2011

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

Prepared by:
Cypress Engineering Services, Inc.
7171 Highway 6 North, Suite 102
Houston, Texas 77095-2422

TABLE OF CONTENTS

LIST OF FIGURES

Figure

LIST OF TABLES

Table

LIST OF APPENDICES

1. Introduction

The last report of groundwater remediation activities covered activities completed through December 2009. This report presents a summary of monitoring activities completed between January 2010 and December 2010.

2. Groundwater Monitoring Activities

2.1 Annual Groundwater Sampling Events

One annual groundwater sampling event was completed during 2010. This event was completed on June 11, 2010.

Prior to sampling, the depth to water, and the depth to hydrocarbon where phase-separated hydrocarbons (PSH) were present, was determined for each monitoring well. The measured depth to water and the corresponding water table elevation for each monitoring well is presented in Table 1. Similar measurements obtained from the remediation wells are presented in Table 2.

Groundwater samples were collected from selected monitoring wells in accordance with the sampling analysis plan. Samples were not collected from wells with accumulated PSH in the well casing. Groundwater samples were delivered to a laboratory for analysis for volatile organic compounds (VOCs) by EPA Method 8260. A summary of field measured groundwater quality parameters (pH, temperature, electrical conductivity and dissolved oxygen) is presented in Table 3. A summary of laboratory results is presented in Tables 4 and 5. A copy of the laboratory report for this sampling event is included as an appendix to this report.

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 the course of the June 11, 2010 sampling event is included as Figure 3. The apparent direction of groundwater flow is toward the north and is consistent with water table elevation maps previously developed for this site.

2.2.2 Lateral Extent of Phase Separated Hydrocarbon

The lateral extent of PSH is defined by the intermittent occurrence of PSH at the water table in wells MW-1, MW-2, RW-1, RW-2, RW-3, and RW-8, and the absence of a measurable thickness of PSH in all other wells. In the course of the June 2010 sampling event, PSH was measured in just two wells, MW-1 and MW-2.

2.2.3 Condition of Affected Groundwater

The primary constituents of concern are benzene, 1,1-dichloroethane, and trichloroethene. The lateral distribution of BTEX constituents in groundwater is presented in Figure 4. The lateral distribution of chlorinated VOC constituents (111-TCA, 11-DCA, TCE & PCE) in groundwater is presented in Figure 5. Concentration history plots for ten monitoring wells are included in Appendix A.

The condition of affected groundwater has not changed significantly from previous sampling events as evidenced by the history of sample results presented in Table 4. Generally, there has been a downward trend of contaminant concentrations at the two downgradient wells, MW-14 and MW-17. A similar downward trend is evident at the easternmost and westernmost perimeter wells, MW-15 and MW-16.

The June 2011 sample results indicate that a Water Quality Control Commission (WQCC) standard was exceeded for two organic constituents, benzene and 1,1-dichloroethane. The WQCC standard for benzene was exceeded at two wells, SVE-1A and MW-5. Well SVE-1A is located in the immediate vicinity of the release area and well MW-5 is located about 100 feet downgradient of the release area. The WQCC standard for 1,1-dichloroethane was exceeded at four wells, SVE-1A, MW-5, MW-7, and MW-8. Well MW-8 is located about 250 feet downgradient of the release area and is the furthest downgradient well where a WQCC standard was exceeded.

3. Status of Remediation Activities

3.1 Remediation Activities Completed through December 2010

The following remediation activities have been completed since the last report of groundwater remediation activities:

1) One groundwater sampling event was completed.
2) There are no ongoing active remediation activities at the site.

3.2 Remediation Activities Planned for January 2011 through December 2011

There are no planned remediation activities other than continued groundwater monitoring.

4. Proposed Modifications

4.1 Modifications to the Routine Groundwater Sampling Plan

There are no planned changes to the sampling analysis plan (SAP). Annual sampling will continue in accordance with the SAP presented in Table 7.

4.2 Reporting Frequency

Annual reporting will continue with the next scheduled report being submitted to the OCD by February 28, 2012.

f:/.../projects/tw/ ehy/drawings/wt-1 facility diagram.dwg (2/8/05)

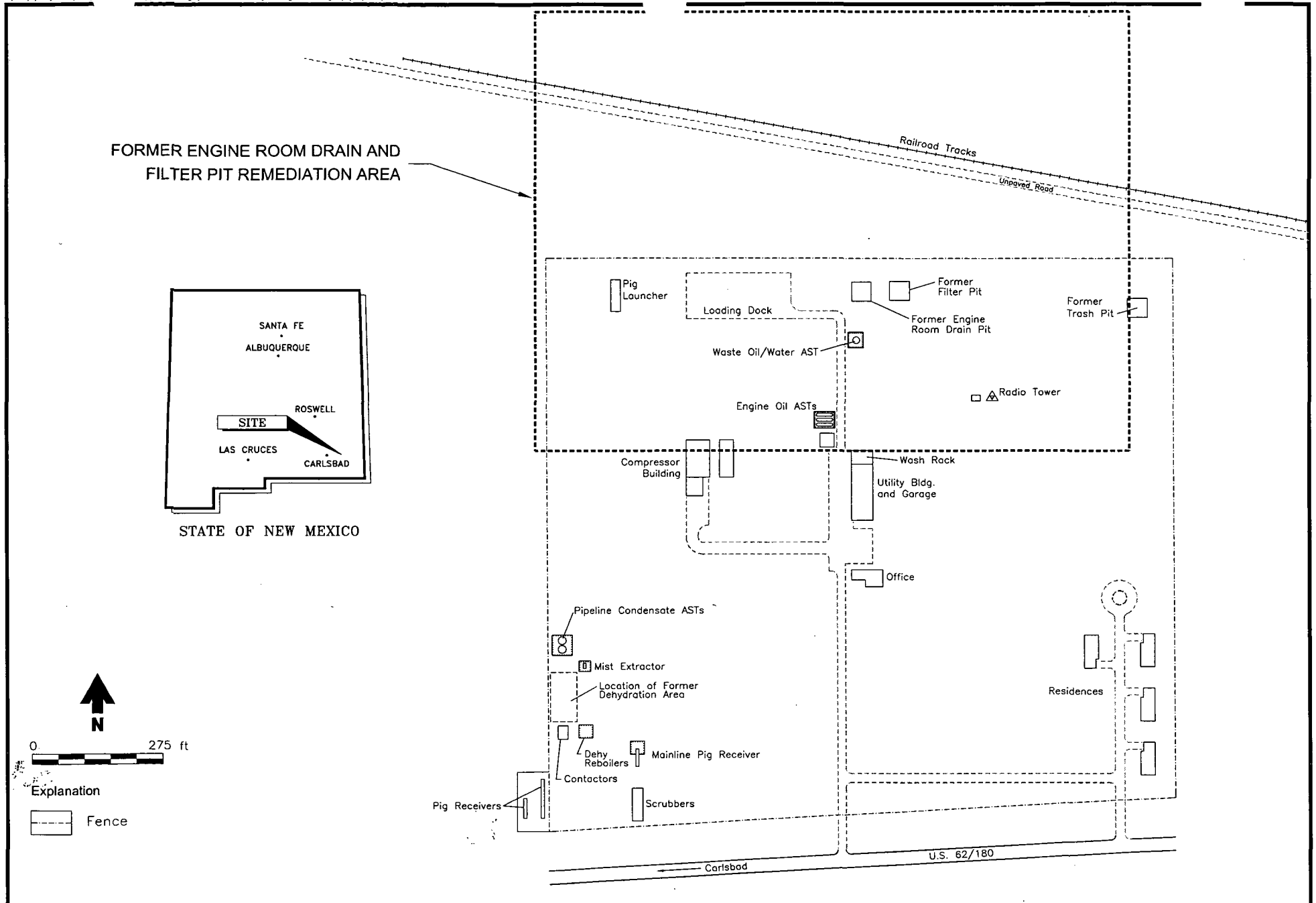


FIGURE 1

Facility Site Map

WT-1 COMPRESSOR STATION
TRANSWESTERN PIPELINE COMPANY

CYPRESS ENGINEERING SERVICES, INC.

O:/tw/wt-1 pit/dr...gs/wt-1 pit 2011-1214.dwg (12/14/11)

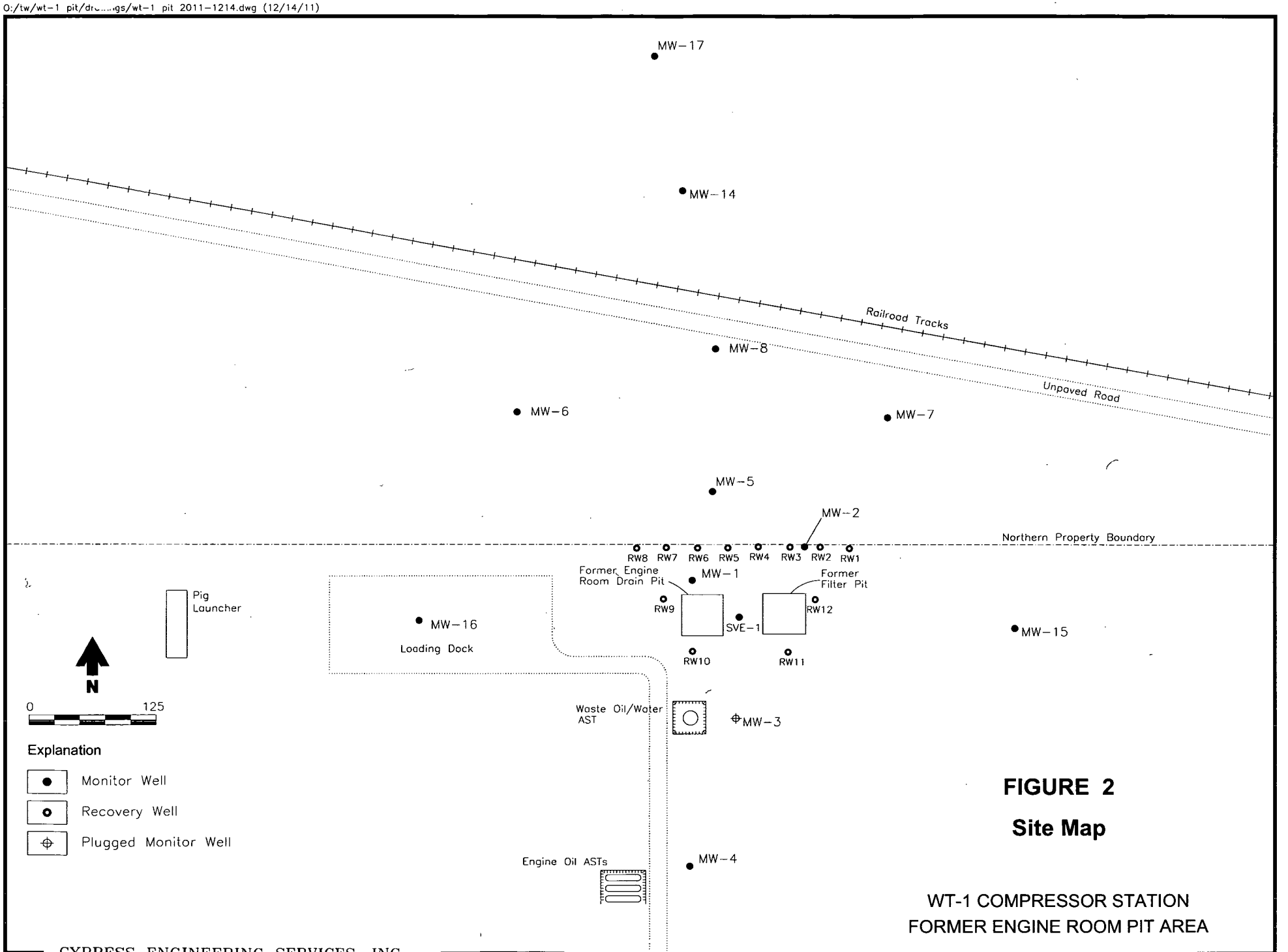


FIGURE 2

Site Map

WT-1 COMPRESSOR STATION
FORMER ENGINE ROOM PIT AREA

CYPRESS ENGINEERING SERVICES, INC.

O:/tw/wt-1 pit/draw...gs/wt-1 pit 2011-1214.dwg (12/14/11)

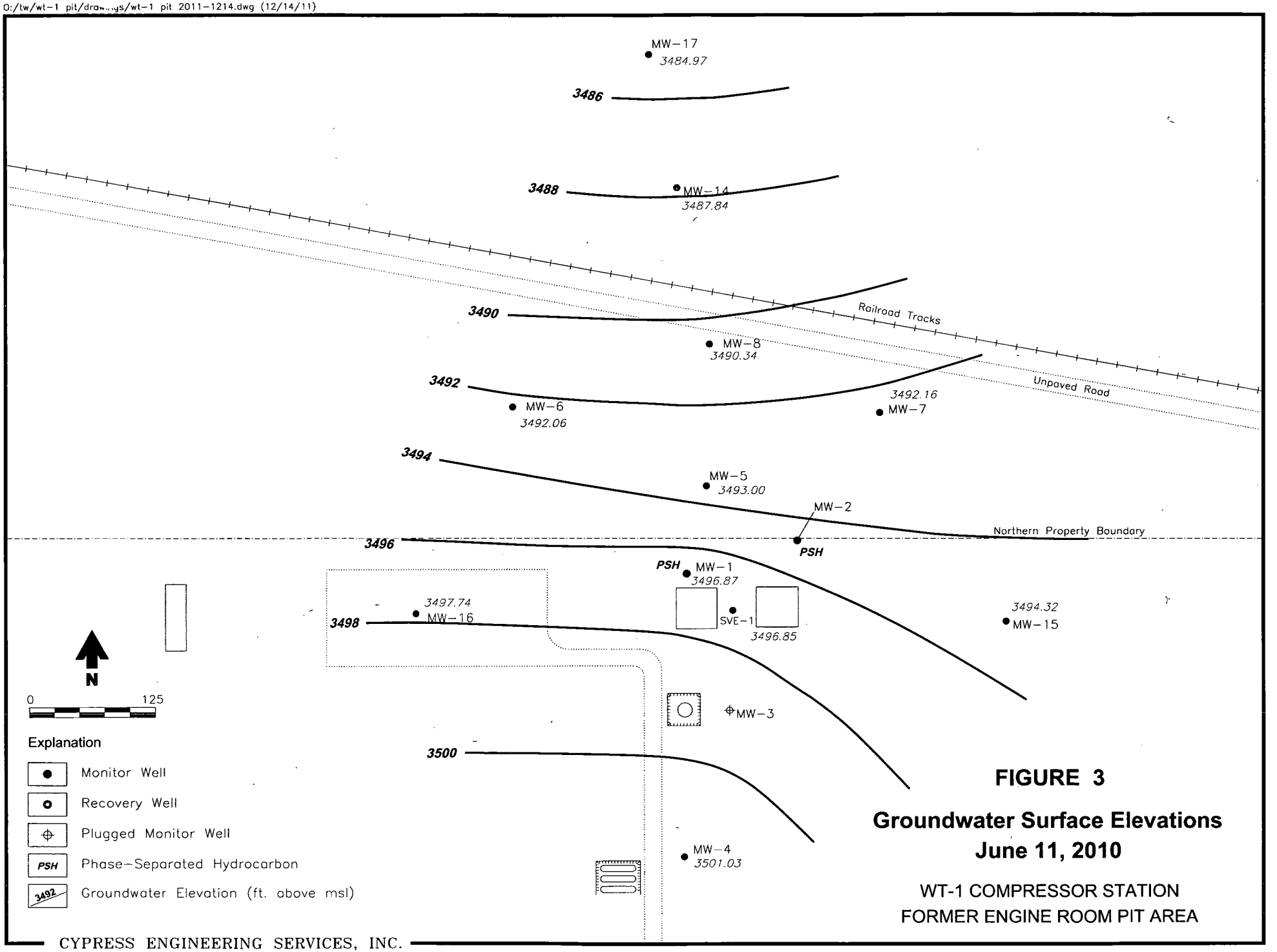


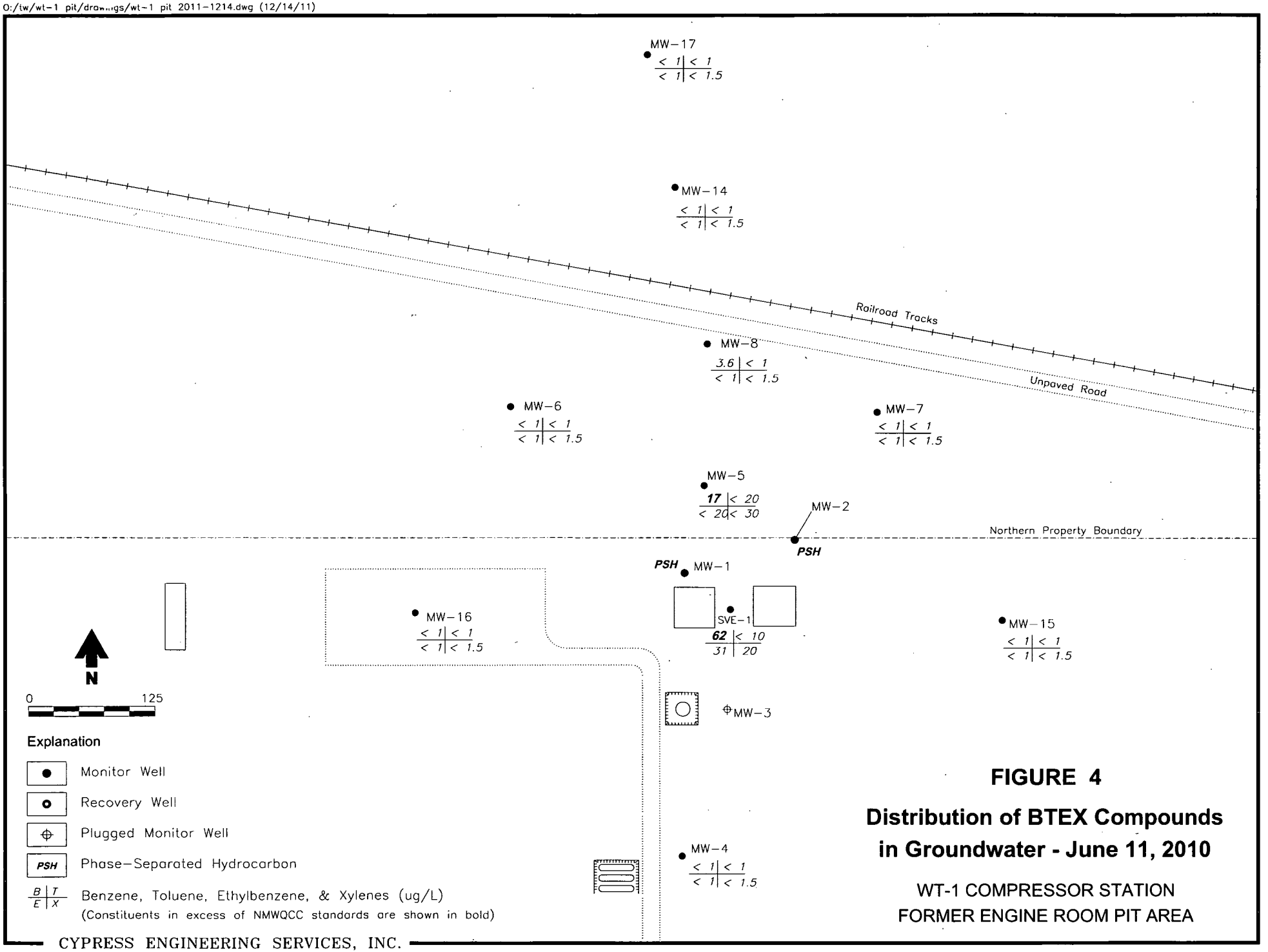
FIGURE 3

Groundwater Surface Elevations
June 11, 2010

WT-1 COMPRESSOR STATION
FORMER ENGINE ROOM PIT AREA

CYPRESS ENGINEERING SERVICES, INC.

O:/tw/wt-1 pit/drawings/wt-1 pit 2011-1214.dwg (12/14/11)



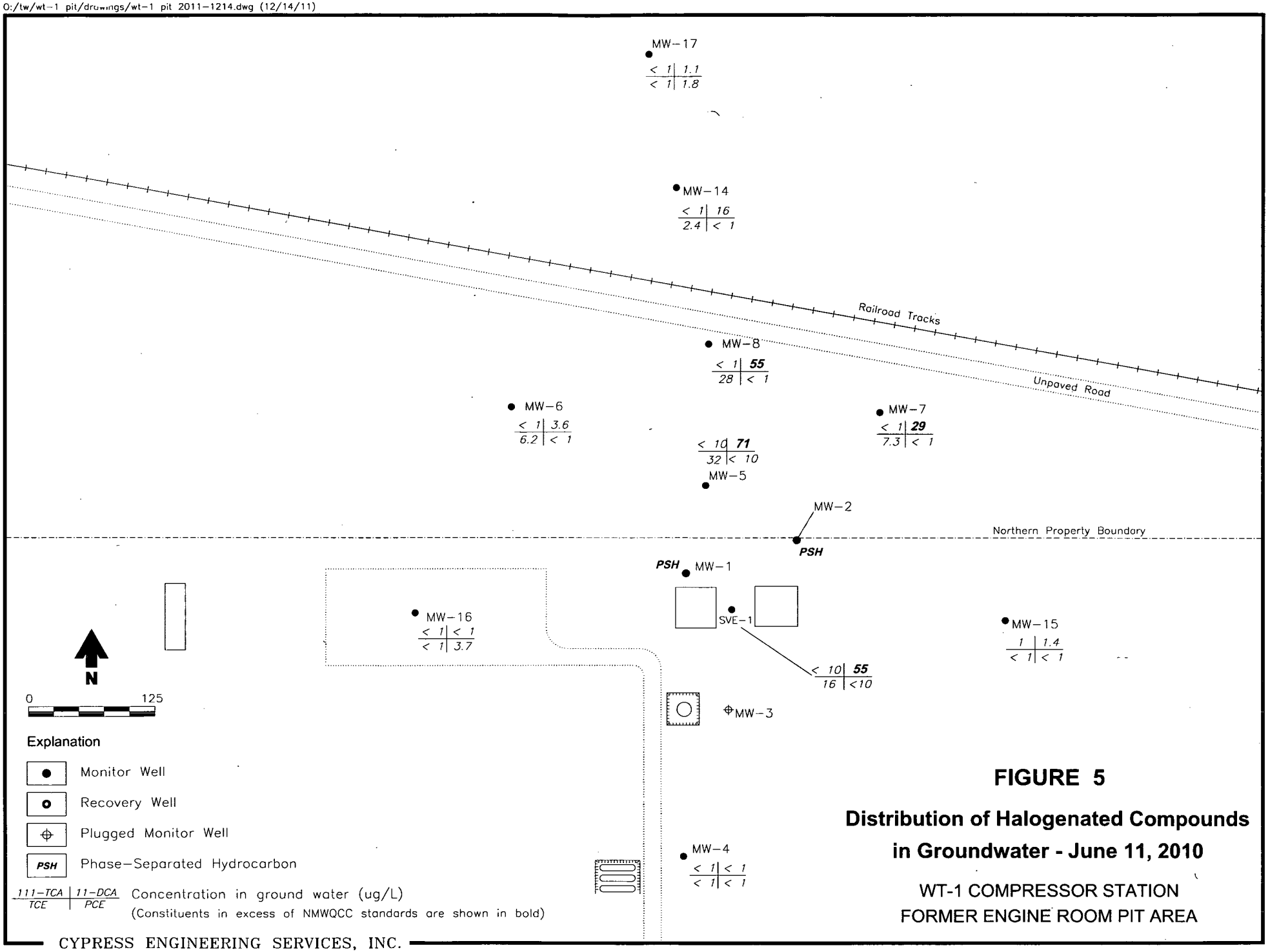
CYPRESS ENGINEERING SERVICES, INC.

FIGURE 4

Distribution of BTEX Compounds in Groundwater - June 11, 2010

WT-1 COMPRESSOR STATION
FORMER ENGINE ROOM PIT AREA

O:/tw/wt-1 pit/drawings/wt-1 pit 2011-1214.dwg (12/14/11)



CYPRESS ENGINEERING SERVICES, INC.

FIGURE 5

Distribution of Halogenated Compounds in Groundwater - June 11, 2010

WT-1 COMPRESSOR STATION
FORMER ENGINE ROOM PIT AREA

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-1	11/15/94	3547.67	(a)	47.59	(a)	3500.08
	09/14/95		(a)	48.85	(a)	3498.82
	11/12/96		(a)	49.79	(a)	3497.88
	02/04/97		(a)	49.71	(a)	3497.96
	05/10/97		(a)	49.86	(a)	3497.81
	08/06/97		(a)	49.90	(a)	3497.77
	10/08/97		(a)	49.76	(a)	3497.91
	01/21/98		(a)	50.73	(a)	3496.94
	04/15/98		(a)	49.68	(a)	3497.99
	07/16/98		(a)	49.91	(a)	3497.76
	01/26/99		(a)	49.39	(a)	3498.28
	07/08/99		(a)	49.52	sheen	3498.15
	01/26/00		(a)	49.43	sheen	3498.24
	07/17/00		(a)	50.04	sheen	3497.63
	11/21/00	3547.65 (c)	(a)	50.66	(a)	3496.99
	02/17/01		(a)	50.73	sheen	3496.92
	08/20/01		(a)	50.72	sheen	3496.93
	02/27/02		(a)	50.63	(a)	3497.02
	07/31/02		(a)	50.68	sheen	3496.97
	02/10/03		(a)	50.77	sheen	3496.88
	08/04/03		(a)	50.90	sheen	3496.75
	05/25/04		(a)	50.55	(a)	3497.10
	11/09/04		(a)	50.91	(a)	3496.74
	04/11/05		(a)	50.55	(a)	3497.10
	12/01/05		(a)	50.50	(a)	3497.15
	05/10/06		(a)	50.46	(a)	3497.19
	12/13/06		(a)	50.35	(a)	3497.30
	06/20/07		(a)	50.20	(a)	3497.45
	12/06/07		(a)	49.77	(a)	3497.88
	06/02/08		49.90	49.91	0.01	3497.75
	12/10/08		50.18	51.08	0.90	3497.29
	04/27/09		50.08	51.02	0.94	3497.38
	06/11/10		50.19	53.14	2.95	3496.87

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-2	11/15/94	3546.28	PSH	-	-	NA
	09/12/95		PSH	-	-	NA
	11/12/96		49.91	-	NA *	NA *
	02/04/97		49.90	52.15	2.25	3495.93
	05/10/97		50.09	52.18	2.09	3495.77
	08/06/97		50.20	52.17	1.97	3495.69
	10/09/97		50.27	52.22	1.95	3495.62
	01/21/98		50.08	--	NA *	NA *
	04/15/98		49.97	--	NA *	NA *
	07/16/98		50.25	--	NA *	NA *
	01/26/99		50.10	--	NA *	NA *
	07/08/99		50.12	--	NA *	NA *
	01/26/00		50.54	52.17	1.63	3495.41
	07/17/00		50.62	--	NA *	NA *
	11/21/00	3546.28 (c)	50.95	--	NA *	NA *
	02/17/01		51.08	52.23	1.15	3494.97
	08/20/01		51.82	--	NA *	NA *
	02/27/02		51.94	--	NA *	NA *
	07/31/02		52.23	--	NA *	NA *
	02/10/03		(a)	dry (TD=52.32)	NA *	NA *
	08/04/03		(a)	dry (TD=52.32)	NA *	NA *
	05/25/04		(a)	dry (TD=52.32)	NA *	NA *
	11/09/04		(a)	dry (TD=52.32)	NA *	NA *
	04/11/05		(a)	dry (TD=52.32)	NA *	NA *
	12/01/05		(a)	dry (TD=52.32)	NA *	NA *
	05/10/06		52.32	PSH to (TD=52.32)	sheen	NA *
	12/13/06		51.81	PSH to (TD=52.32)	NA *	NA *
	06/20/07		51.53	PSH to (TD=52.32)	NA *	NA *
	12/06/07		51.46	PSH to (TD=52.32)	NA *	NA *
	06/02/08		51.20	PSH to (TD=52.30)	NA *	NA *
	12/10/08		51.38	PSH to (TD=52.35)	NA *	NA *
	04/27/09		51.32	PSH to (TD=52.35)	NA *	NA *
	06/11/10		51.92	PSH to (TD=52.35)	NA *	NA *
MW-3	11/16/94	3548.99	(a)	48.71	(a)	3500.28
	09/12/95		(a)	49.49	(a)	3499.50
	11/12/96		(a)	49.76	(a)	3499.23
	02/04/97		(a)	49.57	(a)	3499.42
	05/10/97		(a)	49.81	(a)	3499.18
	08/06/97		(a)	49.81	(a)	3499.18
	10/08/97		(a)	49.84	(a)	3499.15
	01/21/98		(a)	49.29	(a)	3499.70
	07/16/98		(a)	49.42	(a)	3499.57
	01/26/99		(a)	48.62	(a)	3500.37
	07/08/99		(a)	48.99	(a)	3500.00

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-4	12/01/94	3548.29	(a)	47.18	(a)	3501.11
	09/12/95		(a)	47.50	(a)	3500.79
	11/12/96		(a)	47.50	(a)	3500.79
	02/04/97		(a)	47.51	(a)	3500.78
	05/10/97		(a)	47.51	(a)	3500.78
	08/06/97		(a)	47.49	(a)	3500.80
	10/08/97		(a)	47.43	(a)	3500.86
	01/21/98		(a)	47.02	(a)	3501.27
	04/16/98		(a)	46.81	(a)	3501.48
	07/16/98		(a)	46.75	(a)	3501.54
	01/26/99		(a)	46.36	(a)	3501.93
	07/08/99		(a)	46.76	(a)	3501.53
	01/26/00		(a)	46.91	(a)	3501.38
	07/17/00		(a)	47.33	(a)	3500.96
	11/21/00	3548.29 (c)	(a)	47.51	(a)	3500.78
	02/17/01		(a)	47.46	(a)	3500.83
	08/20/01		(a)	47.45	(a)	3500.84
	02/27/02		(a)	47.00	(a)	3501.29
	07/31/02		(a)	47.09	(a)	3501.20
	02/10/03		(a)	46.92	(a)	3501.37
	08/04/03		(a)	46.72	(a)	3501.57
	05/25/04		(a)	47.20	(a)	3501.09
	11/09/04		(a)	47.00	(a)	3501.29
	04/11/05		(a)	46.72	(a)	3501.57
	12/01/05		(a)	46.48	(a)	3501.81
	05/10/06		(a)	47.09	(a)	3501.20
	12/13/06		(a)	46.41	(a)	3501.88
	06/20/07		(a)	46.95	(a)	3501.34
	12/06/07		(a)	46.62	(a)	3501.67
	06/02/08		(a)	46.92	(a)	3501.37
	12/10/08		(a)	46.85	(a)	3501.44
	04/27/09		(a)	47.18	(a)	3501.11
	06/11/10		(a)	47.26	(a)	3501.03

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-5	12/01/94	3543.59	(a)	48.68	(a)	3494.91
	09/12/95		(a)	49.48	(a)	3494.11
	11/12/96		(a)	50.12	(a)	3493.47
	02/04/97		(a)	50.11	(a)	3493.48
	05/10/97		(a)	50.35	(a)	3493.24
	08/06/97		(a)	50.40	(a)	3493.19
	10/08/97		(a)	50.18	(a)	3493.41
	01/21/98		(a)	50.13	(a)	3493.46
	04/15/98		(a)	50.15	(a)	3493.44
	07/16/98		(a)	50.45	(a)	3493.14
	01/26/99		(a)	50.04	(a)	3493.55
	07/08/99		(a)	50.21	(a)	3493.38
	01/26/00		(a)	50.07	(a)	3493.52
	07/17/00		(a)	50.53	(a)	3493.06
	11/21/00	3543.60 (c)	(a)	50.98	(a)	3492.62
	02/17/01		(a)	51.04	(a)	3492.56
	08/20/01		(a)	51.09	(a)	3492.51
	02/27/02		(a)	51.17	(a)	3492.43
	07/31/02		(a)	51.22	(a)	3492.38
	02/10/03		(a)	51.34	(a)	3492.26
	08/04/03		(a)	51.49	(a)	3492.11
	05/25/04		(a)	51.12	(a)	3492.48
	11/09/04		(a)	51.41	(a)	3492.19
	04/11/05		(a)	51.03	(a)	3492.57
	12/01/05		(a)	50.81	(a)	3492.79
	05/10/06		(a)	50.71	(a)	3492.89
	12/13/06		(a)	50.55	(a)	3493.05
	06/20/07		(a)	50.38	(a)	3493.22
	12/06/07		(a)	49.98	(a)	3493.62
	06/02/08		(a)	50.05	(a)	3493.55
	12/10/08		(a)	50.48	(a)	3493.12
	04/27/09		(a)	50.39	(a)	3493.21
	06/11/10		(a)	50.60	(a)	3493.00

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-6	11/30/94	3543.29	(a)	50.22	(a)	3493.07
	09/12/95		(a)	50.97	(a)	3492.32
	11/12/96		(a)	51.93	(a)	3491.36
	02/04/97		(a)	51.93	(a)	3491.36
	05/10/97		(a)	52.08	(a)	3491.21
	08/06/97		(a)	52.11	(a)	3491.18
	10/08/97		(a)	51.88	(a)	3491.41
	01/21/98		(a)	51.72	(a)	3491.57
	04/15/98		(a)	51.63	(a)	3491.66
	07/16/98		(a)	51.87	(a)	3491.42
	01/26/99		(a)	51.39	(a)	3491.90
	07/08/99		(a)	51.65	(a)	3491.64
	01/26/00		(a)	51.59	(a)	3491.70
	07/17/00		(a)	52.11	(a)	3491.18
	11/21/00	3543.33 (c)	(a)	52.64	(a)	3490.69
	02/17/01		(a)	52.74	(a)	3490.59
	08/20/01		(a)	52.68	(a)	3490.65
	02/27/02		(a)	52.46	(a)	3490.87
	07/31/02		(a)	52.27	(a)	3491.06
	02/10/03		(a)	52.27	(a)	3491.06
	08/04/03		(a)	52.37	(a)	3490.96
	05/25/04		(a)	51.90	(a)	3491.43
	11/09/04		(a)	52.24	(a)	3491.09
	04/11/05		(a)	51.53	(a)	3491.80
	12/01/05		(a)	51.52	(a)	3491.81
	05/10/06		(a)	51.42	(a)	3491.91
	12/13/06		(a)	51.16	(a)	3492.17
	06/20/07		(a)	51.05	(a)	3492.28
	12/06/07		(a)	49.60	(a)	3493.73
	06/02/08		(a)	50.72	(a)	3492.61
	12/10/08		(a)	51.15	(a)	3492.18
	04/27/09		(a)	51.19	(a)	3492.14
	06/11/10		(a)	51.27	(a)	3492.06

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-7	11/30/94	3541.97	(a)	47.67	(a)	3494.30
	09/12/95		(a)	48.54	(a)	3493.43
	11/12/96		(a)	48.67	(a)	3493.30
	02/04/97		(a)	48.83	(a)	3493.14
	05/10/97		(a)	49.05	(a)	3492.92
	08/06/97		(a)	48.96	(a)	3493.01
	10/08/97		(a)	48.74	(a)	3493.23
	01/21/98		(a)	48.65	(a)	3493.32
	04/15/98		(a)	48.71	(a)	3493.26
	07/16/98		(a)	49.12	(a)	3492.85
	01/26/99		(a)	48.70	(a)	3493.27
	07/08/99		(a)	48.96	(a)	3493.01
	01/26/00		(a)	48.72	(a)	3493.25
	07/17/00		(a)	49.25	(a)	3492.72
	11/21/00	3542.00 (c)	(a)	50.18	(a)	3491.82
	02/17/01		(a)	49.82	(a)	3492.18
	08/20/01		(a)	50.21	(a)	3491.79
	02/27/02		(a)	49.86	(a)	3492.14
	07/31/02		(a)	50.06	(a)	3491.94
	02/10/03		(a)	50.26	(a)	3491.74
	08/04/03		(a)	50.47	(a)	3491.53
	05/25/04		(a)	50.40	(a)	3491.60
	11/09/04		(a)	50.21	(a)	3491.79
	04/11/05		(a)	49.93	(a)	3492.07
	12/01/05		(a)	50.02	(a)	3491.98
	05/10/06		(a)	49.97	(a)	3492.03
	12/13/06		(a)	49.40	(a)	3492.60
	06/20/07		(a)	49.31	(a)	3492.69
	12/06/07		(a)	48.89	(a)	3493.11
	06/02/08		(a)	49.00	(a)	3493.00
	12/10/08		(a)	49.45	(a)	3492.55
	04/27/09		(a)	49.45	(a)	3492.55
	06/11/10		(a)	49.84	(a)	3492.16

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-8	11/30/94	3541.47	(a)	49.20	(a)	3492.27
	09/13/95		(a)	50.14	(a)	3491.33
	11/12/96		(a)	50.73	(a)	3490.74
	02/04/97		(a)	50.79	(a)	3490.68
	05/10/97		(a)	51.03	(a)	3490.44
	08/06/97		(a)	51.08	(a)	3490.39
	10/08/97		(a)	50.90	(a)	3490.57
	01/21/98		(a)	50.73	(a)	3490.74
	04/15/98		(a)	49.62	(a)	3491.85
	07/16/98		(a)	50.96	(a)	3490.51
	01/26/99		(a)	50.55	(a)	3490.92
	07/08/99		(a)	50.84	(a)	3490.63
	01/26/00		(a)	50.72	(a)	3490.75
	07/17/00		(a)	51.23	(a)	3490.24
	11/21/00	3541.49 (c)	(a)	51.75	(a)	3489.74
	02/17/01		(a)	51.93	(a)	3489.56
	08/20/01		(a)	51.89	(a)	3489.60
	02/27/02		(a)	51.88	(a)	3489.61
	07/31/02		(a)	51.92	(a)	3489.57
	02/10/03		(a)	52.09	(a)	3489.40
	08/04/03		(a)	52.18	(a)	3489.31
	05/25/04		(a)	52.02	(a)	3489.47
	11/09/04		(a)	52.15	(a)	3489.34
	04/11/05		(a)	51.47	(a)	3490.02
	12/01/05		(a)	51.47	(a)	3490.02
	05/10/06		(a)	51.35	(a)	3490.14
	12/13/06		(a)	50.91	(a)	3490.58
	06/20/07		(a)	50.76	(a)	3490.73
	12/06/07		(a)	50.29	(a)	3491.20
	06/02/08		(a)	50.45	(a)	3491.04
	12/10/08		(a)	50.96	(a)	3490.53
	04/27/09		(a)	50.93	(a)	3490.56
	06/11/10		(a)	51.15	(a)	3490.34

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-14	09/13/95	3539.71	(a)	51.53	(a)	3488.18
	11/12/96		(a)	51.96	(a)	3487.75
	02/04/97		(a)	52.00	(a)	3487.71
	05/10/97		(a)	52.12	(a)	3487.59
	08/06/97		(a)	52.11	(a)	3487.60
	10/08/97		(a)	51.95	(a)	3487.76
	01/21/98		(a)	51.88	(a)	3487.83
	04/15/98		(a)	51.83	(a)	3487.88
	07/16/98		(a)	52.09	(a)	3487.62
	01/26/99		(a)	51.72	(a)	3487.99
	07/08/99		(a)	51.95	(a)	3487.76
	01/26/00		(a)	51.77	(a)	3487.94
	07/17/00		(a)	52.17	(a)	3487.54
	11/21/00	3539.73 (c)	(a)	52.60	(a)	3487.13
	02/17/01		(a)	53.69	(a)	3486.04
	08/20/01		(a)	52.61	(a)	3487.12
	02/27/02		(a)	52.55	(a)	3487.18
	07/31/02		(a)	52.56	(a)	3487.17
	02/10/03		(a)	52.64	(a)	3487.09
	08/04/03		(a)	52.70	(a)	3487.03
	05/25/04		(a)	52.55	(a)	3487.18
	11/09/04		(a)	52.75	(a)	3486.98
	04/11/05		(a)	52.25	(a)	3487.48
	12/01/05		(a)	52.16	(a)	3487.57
	05/10/06		(a)	52.05	(a)	3487.68
	12/13/06		(a)	51.86	(a)	3487.87
	06/20/07		(a)	51.66	(a)	3488.07
	12/06/07		(a)	51.29	(a)	3488.44
	06/02/08		(a)	51.35	(a)	3488.38
	12/10/08		(a)	51.77	(a)	3487.96
	04/27/09		(a)	51.79	(a)	3487.94
	06/11/10		(a)	51.89	(a)	3487.84

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-15	09/14/95	3542.82	(a)	46.43	(a)	3496.39
	11/12/96		(a)	46.61	(a)	3496.21
	02/04/97		(a)	46.90	(a)	3495.92
	05/10/97		(a)	47.23	(a)	3495.59
	08/06/97		(a)	46.97	(a)	3495.85
	10/08/97		(a)	46.75	(a)	3496.07
	01/21/98		(a)	46.62	(a)	3496.20
	04/15/98		(a)	46.81	(a)	3496.01
	07/16/98		(a)	47.24	(a)	3495.58
	01/26/99		(a)	46.71	(a)	3496.11
	07/08/99		(a)	46.99	(a)	3495.83
	01/26/00		(a)	46.88	(a)	3495.94
	07/17/00		(a)	47.54	(a)	3495.28
	11/21/00	3542.82 (c)	(a)	48.06	(a)	3494.76
	02/17/01		(a)	48.24	(a)	3494.58
	08/20/01		(a)	48.39	(a)	3494.43
	02/27/02		(a)	48.37	(a)	3494.45
	07/31/02		(a)	48.52	(a)	3494.30
	02/10/03		(a)	48.75	(a)	3494.07
	08/04/03		(a)	48.90	(a)	3493.92
	05/25/04		(a)	48.77	(a)	3494.05
	11/09/04		(a)	48.37	(a)	3494.45
	04/11/05		(a)	48.39	(a)	3494.43
	12/01/05		(a)	48.51	(a)	3494.31
	05/10/06		(a)	48.54	(a)	3494.28
	12/13/06		(a)	47.84	(a)	3494.98
	06/20/07		(a)	47.79	(a)	3495.03
	12/06/07		(a)	47.39	(a)	3495.43
	06/02/08		(a)	47.60	(a)	3495.22
	12/10/08		(a)	47.80	(a)	3495.02
	04/27/09		(a)	47.87	(a)	3494.95
	06/11/10		(a)	48.50	(a)	3494.32

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-16	09/14/95	3546.01	(a)	48.86	(a)	3497.15
	11/12/96		(a)	49.42	(a)	3496.59
	02/04/97		(a)	49.41	(a)	3496.60
	05/10/97		(a)	49.51	(a)	3496.50
	08/06/97		(a)	49.57	(a)	3496.44
	10/08/97		(a)	49.36	(a)	3496.65
	01/21/98		(a)	49.00	(a)	3497.01
	04/15/98		(a)	48.84	(a)	3497.17
	07/16/98		(a)	49.02	(a)	3496.99
	01/26/99		(a)	48.46	(a)	3497.55
	07/08/99		(a)	48.79	(a)	3497.22
	01/26/00		(a)	48.96	(a)	3497.05
	07/17/00		(a)	49.18	(a)	3496.83
	11/21/00	3545.68 (c)	(a)	49.65	(a)	3496.03
	02/17/01		(a)	49.73	(a)	3495.95
	08/20/01		(a)	49.62	(a)	3496.06
	02/27/02		(a)	49.78	(a)	3495.90
	07/31/02		(a)	48.35	(a)	3497.33
	02/10/03		(a)	48.28	(a)	3497.40
	08/04/03		(a)	48.21	(a)	3497.47
	05/25/04		(a)	47.79	(a)	3497.89
	11/09/04		(a)	48.12	(a)	3497.56
	04/11/05		(a)	47.32	(a)	3498.36
	12/01/05		(a)	47.52	(a)	3498.16
	05/10/06		(a)	47.76	(a)	3497.92
	12/13/06		(a)	47.46	(a)	3498.22
	06/20/07		(a)	47.48	(a)	3498.20
	12/06/07		(a)	47.25	(a)	3498.43
	06/02/08		(a)	47.42	(a)	3498.26
	12/10/08		(a)	47.61	(a)	3498.07
	04/27/09		(a)	47.76	(a)	3497.92
	06/11/10		(a)	47.94	(a)	3497.74
MW-17	11/09/04	3538.60 (d)	(a)	54.45	(a)	3484.15
	04/11/05		(a)	54.05	(a)	3484.55
	12/01/05		(a)	53.99	(a)	3484.61
	05/10/06		(a)	53.89	(a)	3484.71
	12/13/06		(a)	53.75	(a)	3484.85
	06/20/07		(a)	53.61	(a)	3484.99
	12/06/07		(a)	53.25	(a)	3485.35
	06/02/08		(a)	53.28	(a)	3485.32
	12/10/08		(a)	53.60	(a)	3485.00
	04/27/09		(a)	53.57	(a)	3485.03
	06/11/10		(a)	53.63	(a)	3484.97

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-1A	01/26/00	3545.58	(a)	47.33	(a)	3498.25
	07/17/00		(a)	47.95	(a)	3497.63
	11/21/00	3545.59 (c)	(a)	48.56	(a)	3497.03
	02/17/01		(a)	48.71	(a)	3496.88
	08/20/01		(a)	48.90	(a)	3496.69
	02/27/02		(a)	48.73	(a)	3496.86
	07/31/02		(a)	48.80	(a)	3496.79
	02/10/03		(a)	48.92	(a)	3496.67
	08/04/03		(a)	49.06	(a)	3496.53
	05/25/04		(a)	48.75	(a)	3496.84
	11/09/04		(a)	49.06	(a)	3496.53
	04/11/05		(a)	48.75	(a)	3496.84
	12/01/05		(a)	48.81	(a)	3496.78
	05/10/06		(a)	48.72	(a)	3496.87
	12/13/06		(a)	48.58	(a)	3497.01
	06/20/07		(a)	48.45	(a)	3497.14
	12/06/07		(a)	48.07	(a)	3497.52
	06/02/08		(a)	48.19	(a)	3497.40
	12/10/08		(a)	48.35	(a)	3497.24
	04/27/09		(a)	48.37	(a)	3497.22
	06/11/10		(a)	48.74	(a)	3496.85

NOTES:
(a) Not applicable since no measurable thickness of hydrocarbon is present
(b) Corrections to ground water surface elevation for presence of hydrocarbon is calculated assuming a specific gravity of 0.88 (0.80 used for 07/17/00 and prior)
(c) Survey by John West Surveying Co. on October 31, 2000
(d) Survey by Cypress Engineering (GAF) on November 4, 2004
(e) NA* - No PSH/water interface detected

Table 2. Summary of Groundwater Surface Elevations - Recovery Wells
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
RW-1	11/21/00*	3545.97 (c)	51.86	51.87	0.01	3494.11
	11/30/00		(a)	51.67	sheen	3494.30
	12/06/00		(a)	51.91	sheen	3494.06
	01/25/01		(a)	51.78	sheen	3494.19
	02/06/01		51.67	51.68	0.01	3494.30
	02/17/01*		52.07	52.08	0.01	3493.90
	02/23/01		(a)	51.50	sheen	3494.47
	03/09/01		(a)	51.61	sheen	3494.36
	08/20/01		(a)	52.18	sheen	3493.79
	02/27/02		(a)	52.22	sheen	3493.75
	07/31/02		(a)	52.68	(a)	3493.29
	02/10/03		(a)	52.65	(a)	3493.32
	08/04/03		(a)	52.86	(a)	3493.11
	05/25/04		(a)	52.72	(a)	3493.25
	11/09/04		(a)	52.33	(a)	3493.64
	04/11/05		(a)	52.29	(a)	3493.68
	12/01/05		(a)	52.40	(a)	3493.57
	05/10/06		(a)	52.41	(a)	3493.56
	12/13/06		(a)	51.72	(a)	3494.25
	06/20/07		(a)	51.62	(a)	3494.35
	12/06/07		(a)	51.30	(a)	3494.67
	06/02/08		(a)	51.38	(a)	3494.59
	12/10/08		(a)	51.74	(a)	3494.23
	04/27/09		(a)	51.79	(a)	3494.18
	06/11/10		(a)	52.33	(a)	3493.64

Table 2. Summary of Groundwater Surface Elevations - Recovery Wells
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
RW-2	11/21/00*	3546.26 (c)	(a)	52.18	(a)	3494.08
	11/30/00		(a)	51.96	(a)	3494.30
	12/06/00		(a)	52.61	sheen	3493.65
	01/25/01		(a)	52.05	sheen	3494.21
	02/06/01		(a)	51.94	sheen	3494.32
	02/17/01*		(a)	52.38	sheen	3493.88
	02/23/01		(a)	51.75	sheen	3494.51
	03/09/01		(a)	51.80	sheen	3494.46
	08/20/01		(a)	52.42	sheen	3493.84
	02/27/02		(a)	52.46	(a)	3493.80
	07/31/02		(a)	52.68	(a)	3493.58
	02/10/03		(a)	52.88	sheen	3493.38
	08/04/03		(a)	53.08	sheen	3493.18
	05/25/04		52.93	52.94	0.01	3493.33
	11/09/04		(a)	52.58	(a)	3493.68
	04/11/05		(a)	52.57	sheen	3493.69
	12/01/05		(a)	52.68	(a)	3493.58
	05/10/06		(a)	52.68	sheen	3493.58
	12/13/06		(a)	52.01	(a)	3494.25
	06/20/07		(a)	51.95	(a)	3494.31
	12/06/07		(a)	51.55	sheen	3494.71
	06/02/08		(a)	51.63	(a)	3494.63
	12/10/08		(a)	52.03	(a)	3494.23
	04/27/09		(a)	52.08	(a)	3494.18
	06/11/10		(a)	52.56	(a)	3493.70

Table 2. Summary of Groundwater Surface Elevations - Recovery Wells
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
RW-3	11/21/00*	3546.41 (c)	52.27	52.29	0.02	3494.14
	11/30/00		52.02	52.07	0.05	3494.38
	12/06/00		52.12	52.13	0.01	3494.29
	01/25/01		52.13	52.19	0.06	3494.27
	02/06/01		51.92	52.00	0.08	3494.47
	02/17/01*		52.41	52.43	0.02	3494.00
	02/23/01		51.80	51.83	0.03	3494.60
	03/09/01		51.81	51.84	0.03	3494.59
	03/30/01		50.92	50.94	0.02	3495.49
	08/20/01		(a)	52.42	(a)	3493.99
	02/27/02		(a)	52.58	sheen	3493.83
	07/31/02		(a)	52.46	(a)	3493.95
	02/10/03		(a)	52.85	sheen	3493.56
	08/04/03		(a)	52.09	(a)	3494.32
	05/25/04		(a)	52.68	(a)	3493.73
	11/09/04		(a)	52.58	(a)	3493.83
	04/11/05		(a)	52.49	(a)	3493.92
	12/01/05		(a)	52.65	(a)	3493.76
	05/10/06		(a)	52.51	(a)	3493.90
	12/13/06		(a)	52.06	(a)	3494.35
	06/20/07		(a)	51.97	(a)	3494.44
	12/06/07		(a)	51.56	(a)	3494.85
	06/02/08		(a)	51.65	(a)	3494.76
	12/10/08		(a)	52.07	(a)	3494.34
	04/27/09		(a)	51.90	(a)	3494.51
	06/11/10		(a)	52.39	(a)	3494.02

Table 2. Summary of Groundwater Surface Elevations - Recovery Wells
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
RW-4	11/21/00*	3546.96 (c)	(a)	52.45	(a)	3494.51
	11/30/00		(a)	52.20	sheen	3494.76
	12/06/00		(a)	52.33	(a)	3494.63
	01/25/01		(a)	52.29	(a)	3494.67
	02/06/01		(a)	52.09	(a)	3494.87
	02/17/01*		(a)	52.52	(a)	3494.44
	02/23/01		(a)	51.97	(a)	3494.99
	03/09/01		(a)	52.01	(a)	3494.95
	03/30/01		(a)	52.06	sheen	3494.90
	08/20/01		(a)	52.55	(a)	3494.41
	02/27/02		(a)	52.75	(a)	3494.21
	07/31/02		(a)	52.77	(a)	3494.19
	02/10/03		(a)	52.90	(a)	3494.06
	08/04/03		(a)	53.04	(a)	3493.92
	05/25/04		(a)	52.68	(a)	3494.28
	11/09/04		(a)	52.83	(a)	3494.13
	04/11/05		(a)	52.54	(a)	3494.42
	12/01/05		(a)	52.68	(a)	3494.28
	05/10/06		(a)	52.49	(a)	3494.47
	12/13/06		(a)	52.25	(a)	3494.71
	06/20/07		(a)	51.72	(a)	3495.24
	12/06/07		(a)	51.70	(a)	3495.26
	06/02/08		(a)	51.77	(a)	3495.19
	12/10/08		(a)	52.16	(a)	3494.80
	04/27/09		(a)	52.00	(a)	3494.96
	06/11/10		(a)	52.42	(a)	3494.54

Table 2. Summary of Groundwater Surface Elevations - Recovery Wells
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
RW-5	11/21/00*	3546.75 (c)	(a)	50.76	(a)	3495.99
	11/30/00		(a)	50.56	(a)	3496.19
	12/06/00		(a)	50.78	sheen	3495.97
	01/25/01		(a)	50.64	(a)	3496.11
	02/06/01		(a)	50.54	(a)	3496.21
	02/17/01*		(a)	50.98	(a)	3495.77
	02/23/01		(a)	50.39	(a)	3496.36
	03/09/01		(a)	50.44	(a)	3496.31
	03/30/01		(a)	50.60	(a)	3496.15
	08/20/01		(a)	50.95	(a)	3495.80
	02/27/02		(a)	51.03	(a)	3495.72
	07/31/02		(a)	51.12	(a)	3495.63
	02/10/03		(a)	51.24	(a)	3495.51
	08/04/03		(a)	51.32	(a)	3495.43
	05/25/04		(a)	51.03	(a)	3495.72
	11/09/04		(a)	51.37	(a)	3495.38
	04/11/05		(a)	51.10	(a)	3495.65
	12/01/05		(a)	51.11	(a)	3495.64
	05/10/06		(a)	50.92	(a)	3495.83
	12/13/06		(a)	50.88	(a)	3495.87
	06/20/07		(a)	50.76	(a)	3495.99
	12/06/07		(a)	50.32	(a)	3496.43
	06/02/08		(a)	50.35	(a)	3496.40
	12/10/08		(a)	50.80	(a)	3495.95
	04/27/09		(a)	50.64	(a)	3496.11
	06/11/10		(a)	50.92	(a)	3495.83

Table 2. Summary of Groundwater Surface Elevations - Recovery Wells
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
RW-6	11/21/00*	3546.69 (c)	(a)	50.72	(a)	3495.97
	11/30/00		(a)	50.47	(a)	3496.22
	12/06/00		(a)	50.71	sheen	3495.98
	01/25/01		(a)	50.53	(a)	3496.16
	02/06/01		(a)	50.32	(a)	3496.37
	02/17/01*		(a)	50.87	(a)	3495.82
	02/23/01		(a)	50.20	(a)	3496.49
	03/09/01		(a)	50.27	(a)	3496.42
	03/30/01		(a)	50.39	(a)	3496.30
	08/20/01		(a)	50.82	(a)	3495.87
	02/27/02		(a)	50.85	(a)	3495.84
	07/31/02		(a)	50.83	(a)	3495.86
	02/10/03		(a)	50.95	(a)	3495.74
	08/04/03		(a)	51.04	(a)	3495.65
	05/25/04		(a)	50.55	(a)	3496.14
	11/09/04		(a)	51.07	(a)	3495.62
	04/11/05		(a)	50.57	(a)	3496.12
	12/01/05		(a)	50.64	(a)	3496.05
	05/10/06		(a)	50.37	(a)	3496.32
	12/13/06		(a)	50.62	(a)	3496.07
	06/20/07		(a)	50.33	(a)	3496.36
	12/06/07		(a)	49.95	(a)	3496.74
	06/02/08		(a)	49.99	(a)	3496.70
	12/10/08		(a)	50.28	(a)	3496.41
	04/27/09		(a)	50.23	(a)	3496.46
	06/11/10		(a)	50.53	(a)	3496.16

Table 2. Summary of Groundwater Surface Elevations - Recovery Wells
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
RW-7	11/21/00*	3547.50 (c)	(a)	51.27	(a)	3496.23
	11/30/00		(a)	51.01	(a)	3496.49
	12/06/00		(a)	51.22	sheen	3496.28
	01/25/01		(a)	51.10	(a)	3496.40
	02/06/01		(a)	50.92	sheen	3496.58
	02/17/01*		(a)	51.42	(a)	3496.08
	02/23/01		(a)	50.77	(a)	3496.73
	03/09/01		(a)	50.76	(a)	3496.74
	03/30/01		(a)	50.93	(a)	3496.57
	08/20/01		(a)	51.35	(a)	3496.15
	02/27/02		(a)	51.44	(a)	3496.06
	07/31/02		(a)	51.34	(a)	3496.16
	02/10/03		(a)	51.44	(a)	3496.06
	08/04/03		(a)	51.52	(a)	3495.98
	05/25/04		(a)	50.98	(a)	3496.52
	11/09/04		(a)	51.55	(a)	3495.95
	04/11/05		(a)	50.92	(a)	3496.58
	12/01/05		(a)	50.96	(a)	3496.54
	05/10/06		(a)	50.76	(a)	3496.74
	12/13/06		(a)	50.91	(a)	3496.59
	06/20/07		(a)	50.70	(a)	3496.80
	12/06/07		(a)	50.34	(a)	3497.16
	06/02/08		(a)	50.40	(a)	3497.10
	12/10/08		(a)	50.78	(a)	3496.72
	04/27/09		(a)	50.70	(a)	3496.80
	06/11/10		(a)	50.95	(a)	3496.55

Table 2. Summary of Groundwater Surface Elevations - Recovery Wells
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
RW-8	11/21/00*	3547.04 (c)	(a)	50.20	(a)	3496.84
	11/30/00		(a)	50.06	sheen	3496.98
	12/06/00		(a)	50.28	(a)	3496.76
	01/25/01		(a)	50.14	(a)	3496.90
	02/06/01		(a)	50.05	sheen	3496.99
	02/17/01*		(a)	50.42	(a)	3496.62
	02/23/01		(a)	49.95	(a)	3497.09
	03/09/01		(a)	50.01	(a)	3497.03
	03/30/01		(a)	50.09	(a)	3496.95
	08/20/01		(a)	50.40	(a)	3496.64
	02/27/02		(a)	50.27	(a)	3496.77
	07/31/02		(a)	50.19	(a)	3496.85
	02/10/03		50.33	50.33	sheen	3496.71
	08/04/03		50.42	50.42	sheen	3496.62
	05/25/04		49.87	50.30	0.43	3497.08
	11/09/04		(a)	50.40	sheen	3496.64
	04/11/05		49.77	49.79	0.02	3497.27
	12/01/05		(a)	49.71	(a)	3497.33
	05/10/06		(a)	49.66	sheen	3497.38
	12/13/06		(a)	49.76	sheen	3497.28
	06/20/07		(a)	49.64	(a)	3497.40
	12/06/07		(a)	49.36	(a)	3497.68
	06/02/08		(a)	49.32	(a)	3497.72
	12/10/08		(a)	49.75	(a)	3497.29
	04/27/09		(a)	49.76	(a)	3497.28
	06/11/10		(a)	50.03	(a)	3497.01
RW-9	11/21/00*	3545.84 (c)	(a)	48.41	(a)	3497.43
	11/30/00		(a)	48.17	sheen	3497.67
	12/06/00		(a)	43.42	(a)	3502.42
	01/25/01		(a)	48.25	(a)	3497.59
	02/06/01		(a)	48.12	(a)	3497.72
	02/17/01*		(a)	48.60	(a)	3497.24
	02/23/01		(a)	47.94	(a)	3497.90
	03/09/01		(a)	47.99	(a)	3497.85
	08/20/01		(a)	48.52	(a)	3497.32
	02/27/02		(a)	48.37	(a)	3497.47
	07/31/02		(a)	48.39	(a)	3497.45
	02/10/03		(a)	48.50	(a)	3497.34
	08/04/03	(d)	---	---	---	---

Table 2. Summary of Groundwater Surface Elevations - Recovery Wells
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
RW-10	11/21/00*	3546.32 (c)	(a)	48.36	(a)	3497.96
	11/30/00		(a)	48.13	(a)	3498.19
	12/06/00		(a)	48.40	(a)	3497.92
	01/25/01		(a)	48.43	(a)	3497.89
	02/06/01		(a)	48.11	(a)	3498.21
	02/17/01*		(a)	48.60	(a)	3497.72
	02/23/01		(a)	47.92	(a)	3498.40
	03/09/01		(a)	50.01	(a)	3496.31
	08/20/01		(a)	48.57	(a)	3497.75
	02/27/02		(a)	48.33	(a)	3497.99
	07/31/02		(a)	48.39	(a)	3497.93
	02/10/03		(a)	48.48	(a)	3497.84
	08/04/03		(a)	48.63	(a)	3497.69
	05/25/04		(a)	48.20	(a)	3498.12
	11/09/04		(a)	48.75	(a)	3497.57
	04/11/05		(a)	48.15	(a)	3498.17
	12/01/05		(a)	48.17	(a)	3498.15
	05/10/06		(a)	48.23	(a)	3498.09
	12/13/06		(a)	47.98	(a)	3498.34
	06/20/07		(a)	48.09	(a)	3498.23
	12/06/07		(a)	47.49	(a)	3498.83
	06/02/08		(a)	47.62	(a)	3498.70
	12/10/08		(a)	47.89	(a)	3498.43
	04/27/09		(a)	48.01	(a)	3498.31
	06/11/10		(a)	48.39	(a)	3497.93

Table 2. Summary of Groundwater Surface Elevations - Recovery Wells
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
RW-11	11/21/00*	3545.74 (c)	(a)	48.51	(a)	3497.23
	11/30/00		(a)	48.01	(a)	3497.73
	12/06/00		(a)	48.55	(a)	3497.19
	01/25/01		(a)	48.24	(a)	3497.50
	02/06/01		(a)	48.30	(a)	3497.44
	02/17/01*		(a)	48.76	(a)	3496.98
	02/23/01		(a)	48.12	(a)	3497.62
	03/09/01		(a)	48.19	(a)	3497.55
	08/20/01		(a)	48.90	(a)	3496.84
	02/27/02		(a)	48.74	(a)	3497.00
	07/31/02		(a)	48.92	(a)	3496.82
	02/10/03		(a)	49.07	(a)	3496.67
	08/04/03		(a)	49.25	(a)	3496.49
	05/25/04		(a)	48.75	(a)	3496.99
	11/09/04		(a)	49.18	(a)	3496.56
	04/11/05		(a)	48.67	(a)	3497.07
	12/01/05		(a)	48.78	(a)	3496.96
	05/10/06		(a)	48.78	(a)	3496.96
	12/13/06		(a)	48.41	(a)	3497.33
	06/20/07		(a)	48.43	(a)	3497.31
	12/06/07		(a)	47.81	(a)	3497.93
	06/02/08		(a)	47.94	(a)	3497.80
	12/10/08		(a)	48.16	(a)	3497.58
	04/27/09		(a)	48.27	(a)	3497.47
	06/11/10		(a)	48.87	(a)	3496.87

Table 2. Summary of Groundwater Surface Elevations - Recovery Wells
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
RW-12	11/21/00*	3544.43 (c)	(a)	49.44	(a)	3494.99
	11/30/00		(a)	49.11	(a)	3495.32
	12/06/00		(a)	49.17	(a)	3495.26
	01/25/01		(a)	49.53	(a)	3494.90
	02/06/01		(a)	49.24	(a)	3495.19
	02/17/01*		(a)	49.70	(a)	3494.73
	02/23/01		(a)	49.07	(a)	3495.36
	03/09/01		(a)	49.14	(a)	3495.29
	08/20/01		(a)	49.77	(a)	3494.66
	02/27/02		(a)	49.74	(a)	3494.69
	07/31/02		(a)	49.95	(a)	3494.48
	02/10/03		(a)	50.13	(a)	3494.30
	08/04/03		(a)	50.37	(a)	3494.06
	05/25/04		(a)	50.10	(a)	3494.33
	11/09/04		(a)	49.92	(a)	3494.51
	04/11/05		(a)	49.79	(a)	3494.64
	12/01/05		(a)	49.90	(a)	3494.53
	05/10/06		(a)	49.90	(a)	3494.53
	12/13/06		(a)	49.28	(a)	3495.15
	06/20/07		(a)	49.24	(a)	3495.19
	12/06/07		(a)	48.76	(a)	3495.67
	06/02/08		(a)	48.87	(a)	3495.56
	12/10/08		(a)	49.20	(a)	3495.23
	04/27/09		(a)	49.30	(a)	3495.13
	06/11/10		(a)	49.78	(a)	3494.65

NOTES:
(a) Not applicable since no measurable thickness of hydrocarbon is present
(b) Corrections to ground water surface elevation for presence of hydrocarbon is calculated assuming a specific gravity of 0.88 (0.80 used for 07/17/00 and prior)
(c) Survey by John West Surveying Co. on October 31, 2000
(d) Well damaged can no longer access to get water level.

Table 3. Summary of Field Measured Parameters
TW WT-1 Engine Room Pit Area

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach Kit	pH	Temperature °C	Electrical Conductivity (ms/cm)	Turbidity (NTU/FTU) field / lab	Remarks
MW-1	11/12/96	0.0	6.67	22.2	--	--	strong mercaptin ofor, bailed dry 1 gal
	02/04/97	0.0	6.70	17.3	3,100	39.3/127	strong odor, blk color, bailed dry 1 gal
	05/10/96	--	6.92	21.8	3,110	62.0	strong odor, blk/gry color
	08/08/97	0.0	6.88	20.3	3,260	101	clear to gray, strong odor
	10/09/97	1.2	6.89	21.6	3,080	--	gray blk, strong odor
	01/23/98	0.0	6.65	17.1	2,970	--	strong odor, amber color
	04/17/98	0.9	6.96	19.9	3,070	58.0	clear, gold tint, strong odor
	07/17/98	0.1	6.91	22.4	3,400	9.97	clear, light tint, strong odor
	01/27/99	--	6.81	20.8	3,020	--	clear, odor
	08/21/01	0.8	6.78	23.4	2,380	--	gray,odor, pumped dry @ 1 gallon purged
	03/01/02	1.2/0.2	7.06	21.6	2,940	--	clear, odor
	08/01/02	1.0	7.04	27.2	2,960	6.77	clear, odor
	02/12/03	--	--	--	--	--	sheen
	08/05/03	--	--	--	--	12.93	sheen
	05/24/04	1.30	6.62	21.70	2550	--	clear, odor
	11/09/04	1.70	6.95	21.50	2540	13.46	clear, odor, gold color
	12/02/05	1.93	6.94	17.72	2199	13.96	clear, odor
	05/11/06	1.52	6.83	20.64	2342	--	clear
	12/17/06	2.26	6.73	19.32	2248	38.64	clear
	06/21/07	1.66	6.99	23.13	2793	--	clear, odor
	12/07/07	0.99	6.69	17.99	3143	3.55	clear, odor
	06/02/08	1.12	--	23.69	3279	--	clear, odor
MW-4	11/12/96	--	7.10	20.8	--	--	clear, no odor
	02/04/97	4.0	7.17	17.5	3,400	41.8/32	fine red silt, no odor
	05/10/97	3.0	7.09	19.7	3,400	5.46	very slight brn silt, mostly clear
	08/06/97	3.5	7.02	21.7	3,390	45.2	red silty
	10/08/97	3.0	7.05	21.5	3,060	--	slightly silty, light gold to brown
	01/23/98	0.6/0.8	7.11	18.7	2,640	--	clear
	04/16/98	1.8/0.4	7.00	21.1	2,720	2.5	clear
	07/16/98	1.3/0.8	6.99	21.6	3,090	0.67	clear
	01/26/99	1.2	7.01	19.1	2,740	--	clear
	07/08/99	3.3/1.4	7.12	21.0	3,050	0.76	clear, no odor
	01/27/00	--	7.03	19.1	3,070	--	clear
	07/17/00	2.6/2.6	7.06	20.6	3,100	3.49	clear
	02/17/01	3.5	7.07	20.5	3,130	--	clear
	08/21/01	3.1	6.96	20.3	3,010	--	clear
	02/28/02	0.7	7.01	21.1	2,860	--	clear
	08/01/02	1.2	7.03	23.5	3,000	1.19	clear
	02/12/03	1.1	6.97	22.2	3,010	--	clear
	08/05/03	0.9	6.97	22.8	2,910	0.89	clear
	05/24/04	1.5	6.73	20.2	3,110	--	clear
	11/09/04	1.2	6.94	19.9	2,750	0.62	clear
	12/02/05	1.0	7.02	19.4	2,253	2.37	clear
	05/11/06	1.4	6.88	20.0	2,522	--	clear
	12/17/06	1.3	6.76	19.5	2,238	2.59	clear
	06/21/07	1.8	7.09	20.1	2,488	--	clear
	12/07/07	2.1	6.84	19.4	1,986	0.00	clear
	06/02/08	1.9	7.41	20.3	2,744	--	clear
	12/11/08	2.2	7.46	19.1	2,440	1.43	clear
	04/28/09	2.7	6.48	20.0	2,672	3.50	clear
	06/13/10	1.5	6.56	20.2	2,750	--	clear

Table 3. Summary of Field Measured Parameters
TW WT-1 Engine Room Pit Area

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach Kit	pH	Temperature °C	Electrical Conductivity (ms/cm)	Turbidity (NTU/FTU) field / lab	Remarks
MW-5	11/12/96	--	7.00	23.1	--	--	strong odor, bailed dry 3.5 gal
	02/06/97	0.6	7.17	15.7	3,600	303/2040	strong odor, silty, foamy
	05/10/96	0.8	7.25	20.7	3,500	295	strong odor, red-yellow color, bailed dry 3.5g
	08/07/97	4.9	7.47	20.7	2,810	173	silty, red
	10/09/97	0.2	7.12	22.9	2,970	--	red silty, strong odor
	01/24/98	0.8	7.14	18.7	2,870	31.1	clear, amber color, strong odor
	04/17/98	0.6	7.16	20.2	2,840	52.0	clear, amber tint, strong odor
	07/17/98	0.7	7.02	22.5	3,140	43.18	foamy, light tint, strong odor
	01/27/99	0.6	7.10	20.5	2,700	--	clear, odor
	07/08/99	0.9/0.4	7.11	21.5	2,780	36.98	clear, light amber tint
	01/27/00	--	7.06	19.9	2,820	--	clear, strong odor
	07/18/00	0.0	7.12	23.5	2,800	25.00	clear, amber tint, odor
	02/18/01	0.9	7.13	19.5	2,760	--	clear, amber tint, odor
	08/21/01	1.0	7.01	23.7	2,410	--	grayblack,strong odor
	03/01/02	1.0	7.23	20.6	2,610	--	clear, amber tint, odor
	08/01/02	1.0	7.16	26.2	2,680	6.62	clear, odor
	02/12/03	1.0	7.14	22.3	2,580	--	clear, amber tint, odor
	08/05/03	0.4	7.07	24.4	2,370	22.73	clear, odor
	05/24/04	1.4	6.90	22.3	2,470	--	gray blk, strong odor
	11/10/04	1.3	6.94	19.7	2,000	8.07	gold color, strong odor
	12/02/05	1.0	7.10	19.6	2,146	12.57	clear, odor
	05/11/06	1.8	7.03	20.5	2,183	--	clear
	12/17/06	1.5	6.87	19.5	2,099	47.39	clear
	06/21/07	1.4	7.03	23.2	2,267	--	clear, odor
	12/07/07	0.8	6.89	19.8	1,685	5.33	clear, odor
	06/02/08	1.4	--	22.5	2,268	--	clear, odor
	12/11/08	1.8	7.51	18.3	2,071	<100	clear
	04/28/09	1.3	6.33	19.5	2,191	31.49	clear, odor
	06/13/10	0.6	6.66	22.0	2,331	--	clear, odor
MW-6	11/12/96	--	--	21.6	--	--	red silty
	02/04/97	2.0	6.56	17.0	3,800	279/600	fine red silt, no odor
	05/10/97	1.8	6.96	21.7	3,800	234	red silty
	08/07/97	1.8	6.89	20.2	3,730	173	red silty
	10/09/97	1.7	6.89	19.3	3,510	--	red silty
	01/23/98	0.6	6.81	19.7	3,460	--	slightly turbid
	04/16/98	0.4	6.87	19.1	3,470	15.36	clear
	07/16/98	2.9/1.6	6.84	22.6	3,810	5.37	clear, took 4 cycles to get final parameters
	01/27/99	1.1	6.79	19.6	3,550	--	clear, odor
	07/08/99	1.8/1.0	6.85	21.2	3,760	4.64	clear, slight odor, took 4 cycles to get final parameters
	01/27/00	--	6.85	19.3	3,800	--	clear, slight odor
	07/18/00	0.5	6.87	21.9	3,790	1.54	clear, slight odor
	02/18/01	1.5	6.88	20.2	3,800	--	clear
	08/21/01	1.5	6.68	22.9	3,560	--	clear with odor
	02/28/02	1.3	6.88	21.6	3,810	--	clear
	08/01/02	1.5	6.89	24.6	3,830	3.57	clear
	02/12/03	1.5	6.87	22.3	3,930	--	clear
	08/05/03	1.1	6.86	24.4	3,910	4.63	clear
	05/24/04	1.4	6.57	21.3	3,610	--	clear
	11/09/04	1.3	6.87	20.5	3,730	4.34	clear
	12/02/05	0.8	6.88	20.3	3,243	22.53	clear
	05/11/06	1.2	6.85	20.4	3,352	--	clear
	12/17/06	1.6	6.65	19.8	3,291	11.38	clear
	06/21/07	1.3	6.93	21.0	3,485	--	clear
	12/07/07	1.7	6.75	19.9	2,738	2.60	clear
	06/02/08	1.6	6.76	21.5	3,660	--	clear
	12/11/08	1.0	7.59	19.6	3,471	1.32	clear, odor
	04/28/09	1.6	6.33	20.0	3,706	8.27	clear
	06/13/10	0.6	6.45	20.9	3,836	--	clear

Table 3. Summary of Field Measured Parameters
TW WT-1 Engine Room Pit Area

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach Kit	pH	Temperature °C	Electrical Conductivity (ms/cm)	Turbidity (NTU/FTU) field / lab	Remarks
MW-7	11/12/97	--	7.16	23.6	--	--	red silty
	02/04/97	2.0	6.89	--	2,900	539/2080	fine red silt, no odor
	05/10/97	2.0	7.17	21.1	2,970	>1000	red silty/sandy
	08/07/97	2.0	7.18	20.2	2,970	18.8	slight red silt
	10/09/97	2.6	7.20	19.6	2,750	--	red silty
	01/23/98	1.1/1.6	7.10	18.7	2,730	--	clear
	04/17/98	2.5/2.6	7.21	18.0	2,720	1.64	clear
	07/16/98	3.5	7.12	21.7	2,970	1.81	clear
	01/27/99	2.6	7.10	19.9	2,740	--	clear
	07/08/99	3.4	7.16	20.7	2,850	1.12	clear
	01/27/00	--	7.13	18.9	2,840	--	clear
	07/18/00	2.3	7.22	21.9	2,780	1.98	clear
	02/18/01	2.8	7.18	19.8	2,790	--	clear
	08/21/01	4.0	7.11	22.5	2,660	--	clear
	02/28/02	2.5	7.21	20.6	2,800	--	clear
	08/01/02	--	--	--	--	--	turbid, pulled pump and bailed
	02/12/03	2.6	7.12	22.2	2,820	--	red turbid
	08/05/03	3.3	7.16	22.0	2,450	> 100	Red sand/ turbid
	05/24/04	2.6	6.94	20.2	2,640	--	Red sand/ slightly turbid
	11/09/04	1.6	6.80	19.3	2,641	41.67	Cloudy
	12/02/05	1.6	7.17	19.2	2,212	30.50	Cloudy
	05/11/06	3.0	6.99	20.3	2,885	--	turbid
	12/14/06	1.9	6.82	19.4	2,270	29.80	clear
	06/21/07	1.4	7.01	20.5	2,310	--	clear
	12/07/07	1.2	6.85	19.3	2,194	5.58	clear
	06/02/08	3.1	7.18	20.8	2,454	--	Slightly turbid
	12/11/08	1.6	7.51	18.9	2,248	23.40	turbid/silt
	04/28/09	1.8	6.52	19.8	2,395	30.66	clear
	06/13/10	3.1	6.76	21.6	2,429	--	clear
MW-8	11/12/96	--	6.91	22.1	--	--	very fine red silt,
	02/06/97	2.0	6.95	14.1	3,000	<1000/590	red, silty, no odor
	05/10/97	1.6	7.00	22.0	3,040	193	red silt/sand
	08/07/97	1.1	6.97	20.1	3,040	237	red silt
	10/09/97	2.9	6.95	20.8	2,800	--	red silty
	01/24/98	0/0.2	6.90	19.0	2,810	26.17	Lt. amber color, clear
	04/17/98	0.9	6.97	19.2	2,860	25.46	clear, Lt. amber color
	07/17/98	0.2/0.0	6.85	22.5	3,070	4.10	clear, odor
	01/27/99	0.8/0.0	6.84	19.4	2,830	--	clear, odor
	07/08/99	1.9	6.87	22.1	2,950	2.79	clear
	01/27/00	--	6.87	19.2	2,960	--	clear, odor
	07/18/00	0.8	6.95	22.6	2,910	6.70	clear, odor
	02/18/01	1.2	6.91	20.3	2,910	--	clear
	08/21/01	1.2	6.82	22.3	2,730	--	clear
	02/28/02	1.6	6.96	20.3	2,900	--	clear
	08/01/02	1.4	6.95	25.6	2,880	2.61	clear
	02/12/03	1.5	6.91	22.5	2,860	--	clear
	08/05/03	1.4	6.92	26.4	2,800	6.73	clear
	05/24/04	1.2	6.64	21.4	2,670	--	clear, odor
	11/09/04	1.4	6.87	19.8	2,740	0.89	clear, odor
	12/02/05	1.2	6.90	20.7	2,392	5.19	clear
	05/11/06	1.1	6.74	20.4	2,434	--	clear
	12/17/06	1.5	6.72	20.1	2,114	9.97	clear
	06/21/07	1.1	6.96	21.5	2,393	--	clear
	12/07/07	1.2	6.61	19.9	1,982	5.46	clear, odor
	06/02/08	3.0	--	22.8	2,724	--	clear, odor
	12/11/08	0.8	7.56	19.6	2,489	<100	clear
	04/28/09	1.1	6.16	19.7	2,619	1.72	clear
	06/13/10	0.2	6.41	21.3	2,668	--	clear

Table 3. Summary of Field Measured Parameters
TW WT-1 Engine Room Pit Area

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach Kit	pH	Temperature °C	Electrical Conductivity (ms/cm)	Turbidity (NTU/FTU) field / lab	Remarks
MW-14	11/12/96	--	7.07	19.9	--	--	mostly clear, silght silt
	02/04/97	3.0	7.06	15.3	3,600	70.1/92	clear initially, red silty, no odor
	05/10/97	2.0	7.04	21.2	3,390	16.2	slight red sand/silt
	08/07/97	1.0	7.09	20.4	3,340	2.8	clear
	10/08/97	1.5	6.74	20.7	3,170	--	clear
	01/23/98	0.7	6.97	17.5	3,150	--	clear
	04/17/98	1.2	7.08	21.1	3,180	0.79	clear
	07/17/98	0.6	6.94	21.8	3,520	2.25	clear
	01/27/99	--	6.92	19.9	3,260	--	clear
	07/08/99	1.3	6.96	20.9	3,460	0.87	clear
	01/27/00	--	6.96	19.5	3,420	--	clear
	07/18/00	0.2/0.6	7.00	20.9	3,330	1.65	clear
	02/18/01	0.9	6.98	20.3	3,350	--	clear
	08/21/01	3.5	7.10	22.3	2,690	--	clear
	02/28/02	2.2	7.03	21.5	3,340	--	clear
	08/01/02	1.4	7.03	24.2	3,330	1.32	clear
	02/12/03	1.1	6.96	22.4	3,360	--	clear
	08/05/03	0.8	6.96	23.6	3,280	2.72	clear
	05/24/04	1.3	6.74	21.3	3,160	--	clear
	11/10/04	1.3	6.90	19.7	2,830	2.16	clear
	12/02/05	0.9	6.97	20.1	2,883	7.97	clear
	05/11/06	1.0	6.81	20.1	2,957	--	clear
	12/17/06	1.3	6.73	19.2	2,948	1.79	clear
	06/21/07	1.2	7.03	20.5	3,072	--	clear
	12/07/07	1.0	6.81	20.2	2,432	13.45	clear
	06/02/08	1.8	7.10	22.0	3,342	--	clear
	12/11/08	0.7	7.46	19.6	3,033	1.75	clear, odor
	04/28/09	1.4	6.39	20.0	3,223	1.29	clear
	06/13/10	0.3	6.50	20.7	3,352	--	clear
MW-15	11/12/96	--	7.21	24.6	--	--	clear
	02/04/97	8.0	6.90	18.3	3,200	34.5/133	fine red silt, no odor
	05/10/97	--	7.28	20.0	3,230	63.1	silty red sand
	08/07/97	7.4	7.13	20.5	3,160	159	red silt
	10/08/97	7.4	7.26	21.0	2,900	--	red sand/ fine silt
	01/23/98	5.2	7.24	18.8	2,930	--	turbid
	04/16/98	4.9	7.13	19.4	2,940	5.69	clear
	07/17/98	5.8/5.0	7.04	22.1	3,210	11.05	clear
	01/26/99	4.5	7.08	19.4	2,830	--	clear
	07/08/99	6.1	7.08	20.2	2,840	11.34	clear
	01/27/00	--	7.11	18.9	2,850	--	clear
	07/17/00	5.6	7.07	20.6	2,750	5.62	clear
	02/17/01	5.4	7.13	19.9	2,750	--	clear
	08/21/01	5.6	7.06	20.6	2,600	--	clear
	02/28/02	4.9	7.19	21.4	2,770	--	clear
	08/01/02	5.0	7.20	23.1	2,750	1.74	clear
	02/12/03	4.7	7.13	21.9	2,730	--	clear
	08/05/03	5.7	7.14	23.6	2,650	4.76	clear
	05/24/04	3.8	6.87	21.1	2,380	--	clear
	11/09/04	3.5	7.14	20.1	2,500	3.38	clear
	12/02/05	3.5	7.12	19.4	2,222	30.87	clear
	05/11/06	4.2	6.97	19.9	2,222	--	clear
	12/17/06	4.6	6.89	19.2	1,958	8.31	clear
	06/21/07	3.5	7.17	20.1	2,062	--	cloudy
	12/07/07	3.7	6.88	19.4	1,691	49.37	cloudy
	06/02/08	5.1	6.98	20.9	2,235	--	Slightly turbid
	12/11/08	4.2	7.43	18.6	2,009	--	clear
	04/28/09	5.3	6.55	19.8	1,987	26.80	clear
	06/13/10	4.8	6.65	20.7	2,116	--	clear

Table 3. Summary of Field Measured Parameters
TW WT-1 Engine Room Pit Area

Well ID	Date	Dissolved Oxygen (mg/L) Meter/Hach Kit	pH	Temperature °C	Electrical Conductivity (ms/cm)	Turbidity (NTU/FTU) field / lab	Remarks
MW-16	11/12/96	--	6.7	22.7	--	--	mostly clear, slight red silt
	02/04/97	4.0	6.49	17.2	4,900	139/830	fine red silt, no odor
	05/10/97	1.4	6.91	20.1	4,800	203	red sand/silt
	08/06/97	3.3	6.87	21.3	4,540	670	very silty, red
	10/08/97	3.3	6.88	21.3	4,190	--	red silty
	01/23/98	1.9	6.84	18.6	3,940	--	slightly turbid
	04/16/98	1.4/1.0	6.88	20.8	3,990	1.27	clear
	07/16/98	2.2	6.81	21.2	4,380	0.43	clear
	01/26/99	1.3	6.82	19.5	3,980	--	clear
	07/08/99	1.6/1.0	6.84	20.7	4,520	0.80	clear, no odor
	01/27/00	--	6.80	19.3	4,540	--	clear
	07/17/00	0.9	6.83	20.7	4,520	2.12	clear
	02/17/01	2.0	6.85	20.0	4,230	--	clear
	08/21/01	1.1	6.73	20.6	4,030	--	clear
	02/28/02	1.6	6.89	21.6	4,090	--	clear
	08/01/02	1.4	6.90	23.2	4,300	3.71	clear
	02/12/03	0.8	6.85	22.2	4,350	--	clear
	08/05/03	1.6	6.87	23.1	4,110	0.92	clear
	05/24/04	1.0	6.62	21.0	4,140	--	clear
	11/09/04	1.6	6.87	20.1	4,020	1.34	clear
	12/02/05	0.9	6.87	19.9	3,286	26.45	clear
	05/11/06	1.0	6.71	20.0	3,382	--	clear
	12/17/06	1.9	6.64	19.6	3,314	11.18	clear
	06/21/07	1.0	6.94	20.5	3,465	--	clear
	12/07/07	1.4	6.66	19.8	2,738	0.88	clear
	06/02/08	2.1	6.82	21.0	3,757	--	clear
	12/11/08	0.8	7.52	19.5	3,440	1.09	clear
	04/28/09	1.3	6.28	19.9	3,691	1.42	clear
	06/13/10	0.3	6.49	20.3	4,015	--	clear
MW-17	11/10/04	4.3	7.05	19.7	2,880	>100	red sand/turbid
	12/02/05	1.8	7.03	19.5	2,912	>100	red sand/turbid
	05/11/06	--	--	--	--	--	--
	12/15/06	2.3	6.9	19.7	3,015	>100	red sand/turbid
	06/21/07	2.3	7.1	21.1	3,152	--	clear
	12/07/07	2.0	6.8	20.2	2,467	3.96	clear
	06/02/08	2.0	7.6	21.2	3,391	--	red sand/turbid
	12/11/08	1.5	7.6	19.3	3,121	>100	clear
	04/28/09	2.0	6.5	20.4	3,322	3.57	clear
	06/13/10	1.2	6.6	20.9	3,430	--	clear
SVE-1A	01/26/00	--	7.07	18.2	2,800	--	turbid, odor
	07/18/00	0.0	7.09	21.3	2,890	--	turbid, odor
	02/18/01	--	--	--	--	--	turbid, odor, insufficient h2o for parameters
	08/21/01	1.3	7.09	21.4	2420.0	--	grayblack,strong odor,bailed dry@0.75 gallons
	03/01/02	1.3	7.25	21.9	2820.0	--	red, turbid, odor
	08/01/02	--	--	--	--	--	turbid, odor, insufficient h2o for parameters
	02/12/03	0.3	7.10	22.3	2,700	--	turbid
	08/05/03	0.8	7.08	23.4	2,600	9.28	clear
	05/24/04	1.6	6.82	21.0	2,610	--	turbid, strong odor
	11/10/04	1.91	6.74	19.9	2,621	55	cloudy
	12/02/05	0.77	7.07	19.5	2,300	89	cloudy
	05/11/06	1.55	6.87	20.1	2,338	--	clear
	12/14/06	1.26	6.77	20.2	2,353	>100	turbid, odor
	06/21/07	1.81	7.06	21.0	2,479	--	turbid, odor
	12/07/07	0.74	6.79	20.1	1,926	9.75	slightly turbid, odor
	06/02/08	2.47	--	21.3	2,634	--	slightly turbid, odor
	12/11/08	1.23	6.87	19.4	2,062	28.27	clear. odor
	04/28/09	1.44	6.50	20.5	2,558	15.75	clear. odor
	06/13/10	1.13	6.66	21.7	2,625	--	clear

Table 4. Summary of Groundwater Analyses - Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)													
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	Methyl ethyl ketone (2-butanone)	Chloroethane	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Dichloromethane (Methylene chloride)	4-methyl-2-pentanone	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride
NMWQCC Standard		10	750	750	620	none	none	none	100.0	25.0	10.0	5	none	none	none	20	60	100	1
MW-1	11/15/94	**12**[a]	100[a]	10[a]	110[a]	na	na	<2.0[a]	<2.0[a]	**690**[a]	6.7[a]	2.2[a]	2.8[a]	420[a]	na	16[a]	<2.0[a]	28[a]	<2.0[a]
	09/14/95	**13**	90	8	110	2000	400	< 10	< 5	**730**	**13**	**9**	na	170	1800	19	57	24	< 10
	11/12/96	9	66	< 5	39	630	100	< 10	< 5	**480**	9	< 5	na	88	1500	12	< 5	20	< 10
	02/04/97	**13**	94	8	80	790	300	< 10	< 5	**480**	10	< 5	< 5	89[b]	1700	9	< 5	29	**11**
	05/10/97	10	75	6	45	470	< 100	< 10	< 5	**470**	9	< 5	< 5	< 50	1000	8	9	20	< 10
	08/07/97	< 50	< 50	< 50	< 50	1100	1100	< 50	< 50	**590**	< 50	< 50	< 50	200	1200	< 50	< 50	< 50	< 100
	10/09/97	< 50	132	< 50	97	1660	< 1000	< 100	< 50	**597**	< 50	< 50	< 50	221[b]	1650	< 50	< 50	< 50	< 100
	01/23/98	**11**	82	7	85	2300	93	< 10	< 5	**530**	< 5	< 5	< 5	230	2000	8	< 5	24	< 10
	04/17/98	**11**	84	7	85	2100	52	< 10	< 5	**480**	8	< 5	< 5	360	1600	6	< 5	24	< 10
Dup (MW-17)	04/17/98	**14**	93	8	96	2400	100	11	< 5	**460**	**11**	< 5	< 5	230	2100	8	< 5	30	< 10
	07/17/98	**15**	93	8	97	< 2000	98	< 10	< 5	**820**	8	**12**	< 5	330	1800	14	**93**	21	< 10
	01/27/99	**15**	58	9	93	330	120	4	< 1	**460**	8	4	3	310	2100	10	18	26	< 2
	08/21/01	**12.8**	62.7	6.5	92.8	198	71.3	3.25	< 1	**791**	6.89	**20**	4.1	133	1200	**28.1**	**147**	18.8	**2.65**
	03/01/02	< 50.0	51.4	< 50.0	50.2	< 500	< 250	< 50.0	< 50.0	**544**	< 50.0	< 50.0	< 50.0	< 250	1750	< 50.0	< 50.0	< 50.0	< 50.0
	08/01/02	**12**	49	< 10	81	< 1300	< 2500	< 10	< 10	**470**	< 10	**12**	< 10	84	1900	**20**	42	24	< 20
	02/12/03	**14**	41	< 10	84	340	< 500	< 20	< 10	**360**	< 10	< 10	< 10	52	2100	11	14	26	< 20
	08/05/03	**15**	38	< 10	94	270	< 100	< 20	< 10	**440**	< 10	< 10	< 10	62	2100	10	25	26	< 20
	05/25/04	**25**	63	14	120	63	< 50	< 10	< 5	**640**	7.1	**21**	8.5	190	2200	**32**	**170**	38	< 5
	11/09/04	**23**	53	16	160	< 100	< 100	< 20	< 10	**410**	< 10	< 10	< 10	< 30	2800	11	39	42	< 10
	04/12/05	**26**	60	18	150	110	< 50	< 10	< 5	**250**	6.4	< 5	8.9	17	2400	13	22	37	< 5
	12/02/05	**37**	94	23	190	140	< 50	10	< 5	**440**	< 5	**12**	9.9	100	1900	**32**	**89**	54	**13**
	05/11/06	**26**	61	17	120	120	< 50	< 10	< 5	**280**	6.7	**5.4**	6.4	< 15	1700	19	15	30	< 5
	12/17/06	**48**	130	32	210	< 100	< 100	< 20	< 10	**380**	< 10	< 10	12	< 30	2400	**20**	18	58	< 10
	06/21/07	**25**	66	16	92	290	54	3.1	< 1	**350**	3.1	4.9	5.6	9.0	1400	**42**	31	41	1.6
	12/07/07	**20**	62	11	79	1000	170	< 10	< 10	**600**	< 10	< 10	< 10	< 30	1200	**46**	38	58	< 10
	06/02/08	**29**	80	15	100	500	100	< 20	< 10	**760**	< 10	**14**	< 10	< 30	1900	**76**	**94**	66	< 10
MW-3	11/16/94	5	< 0.5	< 0.5	0.5	na	na	na	na	na	na	na	na	na	na	na	na	na	na
MW-4	12/01/94	< 0.5	< 0.5	< 0.5	< 0.5	na	na	< 0.2	7.6	0.9	< 0.2	4.7	< 0.2	< 2.0	na	0.5	< 0.2	< 0.2	< 0.2
	09/12/95	< 1	< 5	< 5	< 5	< 100	< 100	< 10	6	< 5	< 5	< 5	na	< 5	< 50	< 5	< 5	< 5	< 10
	11/12/96	< 5	< 5	< 5	< 5	< 100	< 100	< 10	6	< 5	< 5	< 5	na	< 5	< 50	< 5	< 5	< 5	< 10
	02/04/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	< 5	< 5	< 5	< 5	< 5	100	< 5	< 5	< 5	< 10

Table 4. Summary of Groundwater Analyses - Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)													
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	Methyl ethyl ketone (2-butanone)	Chloroethane	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Dichloromethane (Methylene chloride)	4-methyl-2-pentanone	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride
NMWQCC Standard		10	750	750	620	none	none	none	100.0	25.0	10.0	5	none	none	none	20	60	100	1
	05/10/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 5	< 5	< 5	< 10
	08/06/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	< 5	< 5	**5.4**	< 5	< 5	< 50	< 5	< 5	< 5	< 10
	10/08/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 10
	01/23/98	< 5	< 5	< 5	< 5	< 100	< 20	< 10	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 10
	04/16/98	< 5	< 5	< 5	< 5	< 100	< 20	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 10
	07/16/98	< 5	< 5	< 5	< 5	< 100	< 20	< 10	5	< 5	< 5	**5**	< 5	< 5	< 10	< 5	< 5	< 5	< 10
	01/26/99	< 1	< 1	< 1	< 1	< 20	< 20	< 2	4	< 1	< 1	4	< 1	< 2	< 10	< 1	< 1	< 1	< 2
	07/08/99	< 1	< 1	< 1	< 1	< 20	< 20	< 2	4	1	< 1	4	< 1	< 2	< 10	< 1	< 1	< 1	< 2
	01/27/00	< 1	< 1	< 1	< 1	< 20	< 20	< 2	4	1	< 1	4	< 1	< 2	< 10	< 1	< 1	< 1	< 2
	07/17/00	< 1	< 1	< 1	< 1	< 20	< 20	< 2	4	1	< 1	3	< 1	< 2	< 10	< 1	< 1	< 1	< 2
	02/17/01	< 1.00	< 1.00	< 1.00	< 1.00	< 10.00	< 10.00	< 1.00	2.79	< 1.00	< 1.00	3.62	< 1.00	< 5.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00
	08/21/01	< 1	< 1	< 1	<3	< 10	< 10	< 1	2.3	< 1	< 1	3.6	< 1	< 5	< 5	< 1	< 1	< 1	< 1
	02/28/02	< 1	< 1	< 1	< 2	< 10	< 5	< 1	2.00	< 1	< 1	2.92	< 1	< 5	< 5	< 1	< 1	< 1	< 1
	08/01/02	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 50	< 1.0	2.1	1.8	< 1.0	3.5	< 1.0	< 3.0	< 15	< 1.0	< 1.0	< 1.0	< 2.0
	02/12/03	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 50	< 2.0	< 1.0	< 1.0	< 1.0	2.3	< 1.0	< 3.0	< 15	< 1.0	< 1.0	< 1.0	< 2.0
	08/05/03	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	< 1.0	< 1.0	1.9	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 2.0
	05/25/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	11/09/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	04/12/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	1.2	1.4	< 1.0	1.3	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	12/02/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	05/11/06	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2.0	< 1.0	< 2.0	< 1.0	1.1	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	12/17/06	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	06/21/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	12/07/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	06/02/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	12/11/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	04/28/09	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	06/13/10	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
MW-5	12/01/94	**20**	19	8.3	26	na	na	8.9	< 0.2	18	1.1	< 0.2	12	43	na	0.8	< 0.2	3.2	< 0.2
	09/12/95	**12**	24	< 5	24	1000	200	100	< 5	**200**	7	< 5	na	190	520	< 5	< 5	67	< 10
	11/12/96	**20**	44	18	44	< 100	< 100	31	< 5	**150**	< 5	< 5	na	5	300	< 5	< 5	< 5	**11**
	02/06/97	**31**	53	12	83	56	< 100	56	< 5	**160**	< 5	**5.6**	140	36 [b]	280	< 5	< 5	**120**	**16**

Table 4. Summary of Groundwater Analyses - Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)													
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	Methyl ethyl ketone (2-butanone)	Chloroethane	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Dichloromethane (Methylene chloride)	4-methyl-2-pentanone	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride
NMWQCC Standard		10	750	750	620	none	none	none	100.0	25.0	10.0	5	none	none	none	20	60	100	1
	05/10/97	**24**	35	9	38	< 100	< 100	22	< 5	**140**	< 5	< 5	120	< 50	210	< 5	< 5	86	< 10
Dup (BS-99)	05/10/97	**23**	38	9	38	< 100	< 100	22	< 5	**130**	< 5	< 5	111	< 50	180	< 5	< 5	82	< 10
	08/07/97	**22**	9	< 5	15	< 100	< 100	11	< 5	**47**	< 5	< 5	53	7	50	< 5	< 5	35	< 10
	10/09/97	**19**	15	7	24	< 100	< 100	< 10	< 5	**96**	< 5	< 5	103	10 [b]	89	< 5	< 5	71	< 10
Dup (MW-17)	10/09/97	**18**	14	7	25	< 100	< 100	< 10	< 5	**102**	< 5	< 5	111	10 [b]	98	< 5	< 5	69	< 10
	01/24/98	**23**	18	9	33	< 100	< 20	< 10	< 5	**120**	< 5	**6**	140	< 5	130	< 5	< 5	75	< 10
Dup (MW-17)	01/24/98	**25**	19	9	34	< 100	< 20	10	< 5	**130**	< 5	**7**	150	< 5	120	< 5	< 5	77	< 10
	04/17/98	**16**	9	< 5	14	< 100	< 20	< 10	< 5	**83**	< 5	< 5	91	< 5	18	< 5	< 5	67	< 10
	07/17/98	**21**	10	5	17	< 100	< 20	16	< 5	**110**	< 5	**6**	100	< 5	47	< 5	< 5	91	< 10
Dup (MW-17)	01/27/99	**22**	9	7	19	< 20	< 20	7	< 1	**84**	1	**5**	85	< 2	17	4	3	**100**	< 2
	01/27/99	**22**	9	7	19	< 20	< 20	5	< 1	**81**	1	**5**	86	< 2	19	3	2	96	< 2
	07/09/99	**22**	11	6	15	< 20	< 20	5	< 1	**100**	2	4	84	< 2	22	3	3	**100**	< 2
Dup (MW-17)	01/27/00	**22**	8	7	16	< 20	< 20	3	< 1	**68**	1	3	60	< 2	10	3	3	85	< 2
	01/27/00	**22**	8	7	15	< 20	< 20	3	< 1	**67**	1	3	60	< 2	10	3	3	84	< 2
	07/18/00	**23**	8	7	15	< 20	< 20	4	< 1	**59**	1	3	54	< 2	< 10	4	3	82	< 2
Dup (MW-19)	02/18/01	**19.4**	7.63	7.77	16.97	11.7	< 10.00	4.95	< 1.00	**59.8**	1.24	3.34	61.9	< 5.00	14.6	3.38	3.31	65.6	< 1.00
	02/18/01	**19.5**	7.73	7.84	17.15	< 10.00	< 10.00	4.34	< 1.00	**57.7**	1.23	3.06	62.0	< 5.00	13.9	2.93	3.11	63.8	< 1.00
	08/21/01	**19.8**	7.18	6.15	14.35	19	< 10	8.62	< 1	**108**	1.5	4.37	106	< 5	11.2	1.95	4.49	94.5	**1.12**
Dup (MW-19)	03/01/02	**14.3**	3.72	4.58	8.68	< 10.0	< 5.00	4.10	< 1.00	**119**	1.98	4.29	87.6	< 5.00	6.19	1.04	3.23	**104**	**3.26**
	03/01/02	**14.1**	3.54	4.45	8.67	< 10.0	< 5.00	4.09	< 1.00	**124**	1.97	4.15	86.9	< 5.00	6.63	1.10	3.37	**104**	**2.24**
	08/01/02	**21**	6.3	4.8	12	< 50	< 100	5.3	< 2.0	**130**	2.2	**8.3**	110	< 6.0	< 30	3.3	7.3	**110**	< 4.0
	02/12/03	**18**	3.7	3.8	9.4	< 50	< 100	5.9	< 2.0	**150**	2.4	**5.6**	100	< 6.0	< 30	5.0	4.9	**160**	< 4.0
Dup (MW-19)	02/12/03	**17**	3.7	3.7	9.0	< 50	< 100	5.8	< 2.0	**140**	2.3	**5.6**	100	< 6.0	< 30	3.7	4.6	**150**	< 4.0
	08/05/03	**22**	< 5	< 5	5.4	< 50	< 50	< 10	< 5.0	**220**	< 5.0	**6.3**	160	< 15	< 50	< 5.0	< 5.0	**180**	< 10
	05/25/04	**22**	7.5	5.1	13	< 50	< 50	< 10	< 5.0	**150**	< 5.0	< 5.0	120	< 15	< 50	< 5.0	< 5.0	**130**	< 5.0
	11/09/04	**19**	8.3	< 5.0	< 5.0	< 50	< 50	< 10	< 5.0	**160**	< 5.0	< 5.0	150	< 15	< 50	< 5.0	< 5.0	**130**	< 5.0
	05/12/05	**23**	7.3	< 5.0	15	< 50	< 50	< 10	< 5.0	**98**	< 5.0	**5.8**	82	< 15	< 50	< 5.0	< 5.0	94	< 5.0
	12/02/05	**21**	7.7	6.4	16	17	< 10	3.9	< 1.0	**71**	1.7	3.3	61	< 3	< 10	2.4	2.0	66	**2.2**
	05/11/06	**14**	4.1	4.5	10	< 10	< 10	2.2	< 1.0	**95**	3	2.1	39	< 3	< 10	1.6	< 1.0	47	< 1.0
Dup (MW-24)	12/17/06	**58**	16	19	49	< 50	< 10	< 10	< 5.0	**240**	9.3	5.8	150	< 15	< 50	< 5.0	< 5.0	**170**	< 5.0
	12/17/06	**47**	16	17	42	< 50	< 10	< 10	< 5.0	**210**	8.7	5.8	120	< 15	< 50	< 5.0	< 5.0	**150**	< 5.0
	06/21/07	**15**	5.7	5.6	12	< 10	< 10	2.7	< 1.0	**73**	1.3	2.6	36	< 1	< 10	1.8	1.1	43	< 1.0
	12/07/07	**15**	4.7	4.3	11	< 10	< 10	< 2.0	< 1.0	**71**	2.9	2.1	30	< 1	< 10	2.6	1.5	38	< 1.0

Table 4. Summary of Groundwater Analyses - Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)													
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	Methyl ethyl ketone (2-butanone)	Chloroethane	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Dichloromethane (Methylene chloride)	4-methyl-2-pentanone	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride
NMWQCC Standard		10	750	750	620	none	none	none	100.0	25.0	10.0	5	none	none	none	20	60	100	1
Dup (MW-2)	12/07/07	**17**	6.0	5.0	12	11	< 10	< 2.0	< 1.0	**80**	3.4	2.4	31	< 1	< 10	2.3	1.4	41	< 1.0
	06/02/08	**14**	3.6	4.2	7.5	< 10	< 10	< 2.0	< 1.0	**72**	1.1	2.0	31	< 3	< 10	< 1.0	< 1.0	39	< 1.0
	12/11/08	**20**	6.3	4.1	16	< 10	< 10	< 2.0	< 1.0	**95**	1.5	2.5	31	< 3	< 10	2.6	< 1.0	38	< 1.0
Dup (MW-18)	12/11/08	**19**	5.5	6.6	15	< 10	< 10	< 2.0	< 1.0	**97**	1.5	2.7	32	< 3	< 10	2.4	1.6	40	< 1.0
	04/28/09	**16**	3.8	5.5	12	< 10	< 10	< 2.0	< 1.0	**77**	1.2	1.6	26	< 3	< 10	1.6	< 1.0	32	< 1.0
	06/13/10	**17**	5.0	6.3	< 15	41	30	< 20	< 10	**71**	< 10	< 10	42	< 30	< 10	< 10	< 10	32	**3.7**
Dup (MW-18)	06/13/10	**16**	< 20	< 20	< 30	69	54	< 20	< 10	**60**	< 10	< 10	37	< 30	< 10	< 10	< 10	29	**7.2**
MW-6	11/30/94	1.8	< 0.5	< 0.5	0.5	na	na	0.5	< 0.2	13	< 0.2	2.9	6.8	< 2.0	na	0.4	< 0.2	15	< 0.2
	09/12/95	2	< 5	< 5	< 5	< 100	< 100	< 10	< 5	17	< 5	< 5	na	< 5	< 50	< 5	< 5	21	< 10
	11/12/96	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	12	< 5	< 5	na	< 5	< 50	< 5	< 5	15	< 10
	02/04/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	11	< 5	< 5	6	< 50	< 50	< 5	< 5	18	< 10
	05/10/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	10	< 5	< 5	< 5	< 50	< 50	< 5	< 5	14	< 10
	08/07/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	12	< 5	< 5	7	< 5	< 50	< 5	< 5	16	< 10
	10/09/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	12	< 5	< 5	7	< 5	< 50	< 5	< 5	16	< 10
	01/23/98	< 5	< 5	< 5	< 5	< 100	< 20	< 10	< 5	14	< 5	< 5	7	< 5	< 10	< 5	< 5	15	< 10
	04/16/98	< 5	< 5	< 5	< 5	< 100	< 20	< 10	< 5	13	< 5	< 5	8	< 5	< 10	< 5	< 5	17	< 10
	07/16/98	< 5	< 5	< 5	< 5	< 100	< 20	< 10	< 5	12	< 5	< 5	7	< 5	< 10	< 5	< 5	14	< 10
	01/27/99	1	< 1	< 1	< 1	< 20	< 20	< 2	< 1	11	< 1	3	8	< 2	< 10	< 1	< 1	16	< 2
	07/08/99	2	< 1	< 1	< 1	< 20	< 20	< 2	< 1	12	< 1	2	9	< 2	< 10	< 1	< 1	18	< 2
	01/27/00	2	< 1	< 1	< 1	< 20	< 20	< 2	< 1	14	< 1	3	9	< 2	< 10	< 1	< 1	19	< 2
	07/18/00	2	< 1	< 1	< 1	< 20	< 20	< 2	< 1	14	< 1	3	10	< 2	< 10	< 1	< 1	19	< 2
	02/18/01	1.60	< 1.00	< 1.00	< 1.00	< 10.00	< 10.00	< 1.00	< 1.00	12.1	< 1.00	2.09	9.49	< 5.00	< 5.00	< 1.00	< 1.00	16.4	< 1.00
	08/21/01	1.5	< 1	< 1	< 3	< 10	< 10	< 1	< 1	10	< 1	2.02	8.28	< 5	< 5	< 1	< 1	15.5	< 1
	02/28/02	1.6	< 1.00	< 1.00	< 2.00	< 10.0	< 5.00	< 1.00	< 1.00	11.8	< 1.00	1.88	8.60	< 5.00	< 5.00	< 1.00	< 1.00	16.4	< 1.00
	08/01/02	1.3	< 1.0	< 1.0	< 1.0	< 25	< 50	< 2.0	< 1.0	11	< 1.0	2.5	8.4	< 3.0	< 15	< 1.0	< 1.0	17	< 2.0
	02/12/03	1.1	< 1.0	< 1.0	< 1.0	< 25	< 50	< 2.0	< 1.0	8.5	< 1.0	1.4	6.2	< 3.0	< 15	< 1.0	< 1.0	13	< 2.0
	08/05/03	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	8.2	< 1.0	1.2	6.0	< 3.0	< 10	< 1.0	< 1.0	13	< 2.0
	05/25/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	6.9	< 1.0	1.1	5.2	< 3.0	< 10	< 1.0	< 1.0	12	< 1.0
	11/09/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	5.5	< 1.0	< 1.0	4.6	< 3.0	< 10	< 1.0	< 1.0	10	< 1.0
	04/12/05	1.1	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	6.7	< 1.0	1.3	5.1	< 3.0	< 10	< 1.0	< 1.0	10	< 1.0
	12/02/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	5.3	< 1.0	< 1.0	4.2	< 3.0	< 10	< 1.0	< 1.0	10	< 1.0

Table 4. Summary of Groundwater Analyses - Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)													
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	Methyl ethyl ketone (2-butanone)	Chloroethane	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Dichloromethane (Methylene chloride)	4-methyl-2-pentanone	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride
NMWQCC Standard		10	750	750	620	none	none	none	100.0	25.0	10.0	5	none	none	none	20	60	100	1
	05/11/06	1.1	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2.0	< 1.0	6.4	< 1.0	1.2	4.6	< 1.0	< 10	< 1.0	< 1.0	9.9	< 1.0
	12/17/06	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2.0	< 1.0	6.5	< 1.0	< 1.0	4.1	< 1.0	< 10	< 1.0	< 1.0	11	< 1.0
	06/21/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	4.7	< 1.0	< 1.0	3.5	< 3.0	< 10	< 1.0	< 1.0	9.1	< 1.0
	12/07/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	4.1	< 1.0	< 1.0	3.1	< 3.0	< 10	< 1.0	< 1.0	9.1	< 1.0
	06/02/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	5.3	< 1.0	< 1.0	3.5	< 3.0	< 10	< 1.0	< 1.0	9.2	< 1.0
	12/11/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	3.6	< 1.0	< 1.0	3.2	< 3.0	< 10	< 1.0	< 1.0	8.5	< 1.0
	04/28/09	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	4.3	< 1.0	< 1.0	3.0	< 3.0	< 10	< 1.0	< 1.0	7.6	< 1.0
	06/13/10	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	3.6	< 1.0	< 1.0	2.7	< 3.0	< 10	< 1.0	< 1.0	6.2	< 1.0
MW-7	11/22/94	7	< 0.5	< 0.5	< 0.5	na	na	< 0.2	< 0.2	23	0.3	2.3	7.3	< 2.0	na	0.4	1.6	14	0.3
	09/12/95	6	< 5	< 5	< 5	< 100	< 100	< 10	< 5	22	< 5	< 5	na	< 5	< 50	< 5	< 5	13	< 10
	11/12/96	9	< 5	< 5	< 5	< 100	< 100	< 10	< 5	22	**24**	< 5	na	< 5	< 50	< 5	< 5	18	< 10
	02/04/97	8	< 5	< 5	< 5	< 100	< 100	< 10	< 5	18	< 5	< 5	7	< 50	< 50	< 5	< 5	15	< 10
	05/10/97	6	< 5	< 5	< 5	< 100	< 100	< 10	< 5	16	< 5	< 5	< 5	< 50	< 50	< 5	< 5	13	< 10
	08/07/97	9	< 5	< 5	< 5	< 100	< 100	< 10	< 5	22	< 5	< 5	8	< 5	< 50	< 5	< 5	17	< 10
	10/09/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	20	< 5	< 5	6	< 5	< 50	< 5	< 5	16	< 10
	01/23/98	6	< 5	< 5	< 5	< 100	< 20	< 10	< 5	21	< 5	< 5	6	< 5	< 10	< 5	< 5	13	< 10
	04/17/98	6	< 5	< 5	< 5	< 100	< 20	< 10	< 5	20	< 5	< 5	8	< 5	< 10	< 5	< 5	14	< 10
	07/16/98	7	< 5	< 5	< 5	< 100	< 20	< 10	< 5	19	< 5	< 5	7	< 5	< 10	< 5	< 5	12	< 10
	01/27/99	7	< 1	< 1	< 1	< 20	< 20	< 2	1	19	< 1	3	10	< 2	< 10	< 1	< 1	12	< 2
	07/08/99	7	< 1	< 1	< 1	< 20	< 20	< 2	1	20	< 1	2	10	< 2	< 10	< 1	< 1	12	< 2
	01/27/00	8	< 1	< 1	< 1	< 20	< 20	< 2	1	24	< 1	2	13	< 2	< 10	< 1	< 1	12	< 2
	07/18/00	6	< 1	< 1	< 1	< 20	< 20	< 2	1	19	< 1	2	11	< 2	< 10	< 1	< 1	9	< 2
	02/18/01	7.90	< 1.00	< 1.00	< 1.00	< 10.00	< 10.00	< 1.00	1.36	24.3	< 1.00	2.24	16.0	< 5.00	< 5.00	< 1.00	< 1.00	12.1	< 1.00
	08/21/01	4.25	< 1	< 1	< 3	< 10	< 10	< 1	< 1	21.6	< 1	1.79	15	< 5	< 5	< 1	< 1	11.2	< 1
	02/28/02	< 1.00	< 1.00	< 1.00	< 2.00	< 10.0	< 5.00	< 1.00	1.27	**34.3**	< 1.00	2.37	24.8	< 5.00	< 5.00	< 1.00	< 1.00	15.3	< 1.00
	08/01/02	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 50	< 2.0	1.7	**30**	< 1.0	2.9	24	< 3.0	< 15	< 1.0	< 1.0	15	< 2.0
	02/12/03	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 50	< 2.0	< 1.0	24	< 1.0	2.0	20	< 3.0	< 15	< 1.0	< 1.0	11	< 2.0
	08/05/03	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	**36**	< 1.0	2.0	34	< 3.0	< 10	< 1.0	< 1.0	15	< 2.0
	05/25/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	**29**	< 1.0	1.4	28	< 3.0	< 10	< 1.0	< 1.0	12	< 1.0
	11/10/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	**28**	< 1.0	< 1.0	31	< 3.0	< 10	< 1.0	< 1.0	12	< 1.0
	04/12/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	1.6	**32**	< 1.0	1.9	34	< 3.0	< 10	< 1.0	< 1.0	13	< 1.0

Table 4. Summary of Groundwater Analyses - Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)													
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	Methyl ethyl ketone (2-butanone)	Chloroethane	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Dichloromethane (Methylene chloride)	4-methyl-2-pentanone	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride
NMWQCC Standard		10	750	750	620	none	none	none	100.0	25.0	10.0	5	none	none	none	20	60	100	1
	12/02/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	**30**	< 1.0	1.4	33	< 3.0	< 10	< 1.0	< 1.0	12	< 1.0
	05/11/06	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2.0	1.2	**30**	< 1.0	1.3	25	< 3.0	< 10	< 1.0	< 1.0	9.8	< 1.0
	12/14/06	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2.0	< 1.0	**38**	< 1.0	1.4	41	< 3.0	< 10	< 1.0	< 1.0	21	< 1.0
	06/21/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 1.0	< 1.0	**30**	< 1.0	1.4	36	< 1.0	< 10	< 1.0	< 1.0	10	< 1.0
	12/07/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 1.0	< 1.0	**33**	< 1.0	1.2	36	< 1.0	< 10	< 1.0	< 1.0	9.7	< 1.0
	06/02/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 1.0	< 1.0	**32**	< 1.0	1.4	33	< 1.0	< 10	< 1.0	< 1.0	8.8	< 1.0
	12/11/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 1.0	< 1.0	**41**	< 1.0	1.6	48	< 1.0	< 10	< 1.0	< 1.0	10	< 1.0
	04/28/09	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 1.0	< 1.0	**32**	< 1.0	1.1	36	< 1.0	< 10	< 1.0	< 1.0	8.2	< 1.0
	06/13/10	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 1.0	< 1.0	**29**	< 1.0	1.2	34	< 1.0	< 10	< 1.0	< 1.0	7.3	< 1.0
MW-8	11/30/94	**12**	< 0.5	< 0.5	< 0.5	na	na	0.5	< 0.2	**71**	0.9	1.3	18	< 2.0	na	< 0.2	< 0.2	17	0.2
	09/13/95	**18**	< 5	< 5	< 5	< 100	< 100	< 10	< 5	**92**	< 5	< 5	na	< 5	< 50	< 5	< 5	45	< 10
	11/12/96	**19**	< 5	< 5	< 5	< 100	< 100	< 10	< 5	**86**	< 5	**6**	na	< 5	< 50	< 5	< 5	59	< 10
	02/06/97	**24**	< 5	< 5	< 5	< 100	< 100	< 10	< 5	**80**	< 5	< 5	28	5.2 [b]	< 50	< 5	< 5	52	< 10
	05/10/97	**19**	42	< 5	< 5	< 100	< 100	25	< 5	**74**	< 5	< 5	120	< 50	130	< 5	< 5	44	< 10
	08/07/97	**21**	< 5	< 5	< 5	< 100	< 100	25	< 5	**86**	< 5	**7.4**	30	< 5	< 50	< 5	< 5	49	< 10
Dup (MW-17)	08/07/97	**21**	< 5	< 5	< 5	< 100	< 100	25	< 5	**88**	< 5	**7.8**	32	< 5	< 50	< 5	< 5	51	< 10
	10/09/97	**25**	< 5	< 5	< 5	< 100	< 100	< 10	< 5	**104**	< 5	< 5	34	7 [b]	< 50	< 5	< 5	67	< 10
	01/24/98	**21**	< 5	< 5	< 5	< 100	< 20	< 10	< 5	**100**	< 5	< 5	33	< 5	0	< 5	< 5	52	< 10
	04/17/98	**19**	< 5	< 5	< 5	< 100	< 20	< 10	< 5	**89**	< 5	< 5	33	< 5	< 10	< 5	< 5	51	< 10
	07/17/98	**20**	< 5	< 5	< 5	< 100	< 20	< 10	< 5	**91**	< 5	< 5	32	< 5	< 10	< 5	< 5	51	< 10
Dup (MW-17)	07/17/98	**20**	< 5	< 5	< 5	< 100	< 20	< 10	< 5	**88**	< 5	< 5	31	< 5	< 10	< 5	< 5	52	< 10
	01/27/99	**20**	< 1	< 1	< 1	< 20	< 20	< 2	< 1	**94**	2	**5**	37	< 2	< 10	< 1	< 1	54	< 2
	07/09/99	**17**	< 1	< 1	< 1	< 20	< 20	< 2	< 1	**99**	2	**5**	39	< 2	< 10	< 1	< 1	59	< 2
Dup (MW-17)	07/09/99	**16**	< 1	< 1	< 1	< 20	< 20	< 2	< 1	**95**	2	**5**	39	< 2	< 10	< 1	< 1	59	< 2
	01/27/00	**21**	< 1	< 1	< 1	< 20	< 20	< 2	< 1	**110**	2	**5**	43	< 2	< 10	< 1	< 1	59	< 2
	07/18/00	**21**	< 1	< 1	< 1	< 20	< 20	< 2	< 1	**100**	2	**5**	45	< 2	< 10	< 1	< 1	59	< 2
Dup (MW-17)	07/18/00	**20**	< 1	< 1	< 1	< 20	< 20	< 2	< 1	**100**	2	**5**	44	< 2	< 10	< 1	< 1	59	< 2
	02/18/01	**17.8**	< 1.00	< 1.00	< 1.00	< 10.00	< 10.00	< 1.00	< 1.00	**89.2**	1.49	4.52	42.0	< 5.00	< 5.00	< 1.00	< 1.00	52.8	< 1.00
	08/21/01	**17.7**	< 1	< 1	< 3	< 10	< 10	< 1	< 1	**97.9**	1.59	4.74	42.6	< 5	< 5	< 1	< 1	54.1	**1.13**
Dup (MW-17)	08/21/01	**17.8**	< 1	< 1	< 3	< 10	< 10	< 1	< 1	**100**	1.42	4.47	45.8	< 5	< 5	< 1	< 1	52.9	**1.11**
	02/28/02	**22.1**	< 1.00	< 1.00	< 2.00	< 10.0	< 5.00	< 1.00	< 1.00	**108**	2.33	4.50	47.1	< 5.00	< 5.00	< 1.00	< 1.00	56.6	**2.92**
	08/01/02	**25**	< 1.0	< 1.0	< 1.0	< 25	< 50	< 2.0	< 1.0	**120**	1.7	**6.1**	51	< 3.0	< 15	< 1.0	< 1.0	68	< 2.0

Table 4. Summary of Groundwater Analyses - Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)													
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	Methyl ethyl ketone (2-butanone)	Chloroethane	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Dichloromethane (Methylene chloride)	4-methyl-2-pentanone	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride
NMWQCC Standard		10	750	750	620	none	none	none	100.0	25.0	10.0	5	none	none	none	20	60	100	1
Dup (MW-18)	08/01/02	**24**	< 1.0	< 1.0	< 1.0	< 25	< 50	< 2.0	< 1.0	**130**	1.6	**6.0**	48	< 3.0	< 15	< 1.0	< 1.0	59	< 2.0
	02/12/03	**23**	< 1.0	< 1.0	< 1.0	< 25	< 50	< 2.0	< 1.0	**95**	1.7	**5.0**	49	< 3.0	< 15	< 1.0	< 1.0	52	< 2.0
	08/05/03	**19**	< 2.0	< 2.0	< 2.0	< 20	< 20	< 4.0	< 2.0	**120**	< 2	**5.0**	62	< 6.0	< 20	< 2.0	< 2.0	61	< 4.0
Dup (MW-19)	08/05/03	**22**	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 4.0	< 2.0	**150**	2.0	**6.4**	77	< 6.0	< 20	< 2.0	< 2.0	76	< 4.0
	05/25/04	**12**	< 2.0	< 2.0	< 2.0	< 20	< 20	< 4.0	< 2.0	**120**	2.1	**5.5**	72	< 6.0	< 20	< 2.0	< 2.0	58	< 2.0
	11/09/04	7.5	< 5.0	< 5.0	< 5.0	< 50	< 50	< 10	< 5.0	**92**	< 5.0	< 5.0	59	< 15	< 50	< 5.0	< 5.0	54	< 5.0
	04/12/05	6.4	< 5.0	< 5.0	< 5.0	< 50	< 50	< 10	< 5.0	**63**	< 5.0	< 5.0	36	< 15	< 50	< 5.0	< 5.0	35	< 5.0
	12/02/05	5.6	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2	< 1.0	**67**	1.4	3.7	47	< 3	< 10	< 1.0	< 1.0	42	**2.6**
Dup (MW-20)	12/02/05	5.6	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2	< 1.0	**72**	1.5	3.6	49	< 3	< 10	< 1.0	< 1.0	41	**2.4**
	05/11/06	4	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2	< 1.0	**82**	3.1	3.4	46	< 3	< 10	< 1.0	< 1.0	35	**1.2**
Dup (MW-24)	05/11/06	4.4	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2	< 1.0	**85**	3.3	3.7	51	< 3	< 10	< 1.0	< 1.0	40	**1.2**
	12/17/06	2.1	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2	< 1.0	**33**	1.1	1.2	19	< 3	< 10	< 1.0	< 1.0	18	< 1.0
	06/21/07	2.8	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2	< 1.0	**45**	< 1.0	2.3	30	< 3	< 10	< 1.0	< 1.0	29	< 1.0
Dup (MW-24)	06/21/07	2.7	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2	< 1.0	**44**	< 1.0	2.3	31	< 3	< 10	< 1.0	< 1.0	28	< 1.0
	12/07/07	3.9	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2	< 1.0	**68**	2.7	3.4	48	< 3	< 10	< 1.0	< 1.0	41	< 1.0
	06/02/08	3.6	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2	< 1.0	**66**	1.1	3.7	50	< 3	< 10	< 1.0	< 1.0	40	< 1.0
Dup (MW-18)	06/02/08	3.7	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2	< 1.0	**67**	1.2	3.8	51	< 3	< 10	< 1.0	< 1.0	41	< 1.0
	12/11/08	3.5	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2	< 1.0	**78**	1.2	3.6	66	< 3	< 10	< 1.0	< 1.0	41	< 1.0
	04/28/09	3.3	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2	< 1.0	**73**	1.1	3.7	65	< 3	< 10	< 1.0	< 1.0	39	< 1.0
Dup (MW-18)	04/28/09	3.3	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2	< 1.0	**72**	1.2	3.7	65	< 3	< 10	< 1.0	< 1.0	40	< 1.0
	06/13/10	3.6	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2	< 1.0	**55**	1.0	3.2	57	< 3	< 10	< 1.0	< 1.0	28	< 1.0
MW-14	09/13/95	1	< 5	< 5	< 5	< 100	< 100	< 10	< 5	24	< 10	< 5	na	< 5	< 50	< 5	< 5	11	< 10
	11/12/96	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	**25**	< 10	< 5	na	< 5	< 50	< 5	< 5	13	< 10
	02/04/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	21	< 5	< 5	< 5	< 50	< 50	< 5	< 5	13	< 10
	05/10/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	22	< 5	< 5	< 5	< 50	< 50	< 5	< 5	12	< 10
	08/07/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	**27**	< 5	< 5	< 5	< 5	< 50	< 5	< 5	14	< 10
	10/09/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	**27**	< 5	< 5	< 5	6 [b]	< 50	< 5	< 5	15	< 10
	01/23/98	< 5	< 5	< 5	< 5	< 100	< 20	< 10	< 5	**31**	< 5	< 5	5	< 5	< 10	< 5	< 5	13	< 10
	04/17/98	< 5	< 5	< 5	< 5	< 100	< 20	< 10	< 5	**28**	< 5	< 5	< 5	< 5	< 10	< 5	< 5	14	< 10
	07/17/98	< 5	< 5	< 5	< 5	< 100	< 20	< 10	< 5	**26**	< 5	< 5	< 5	< 5	< 10	< 5	< 5	14	< 10
	01/27/99	< 1	< 1	< 1	< 1	< 20	< 20	< 2	< 1	**27**	< 1	2	5	< 2	< 10	1	< 1	14	< 2
	07/09/99	< 1	< 1	< 1	< 1	< 20	< 20	< 2	< 1	**29**	< 1	2	5	< 2	< 10	1	< 1	16	< 2

Table 4. Summary of Groundwater Analyses - Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)													
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	Methyl ethyl ketone (2-butanone)	Chloroethane	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Dichloromethane (Methylene chloride)	4-methyl-2-pentanone	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride
NMWQCC Standard		10	750	750	620	none	none	none	100.0	25.0	10.0	5	none	none	none	20	60	100	1
	01/27/00	< 1	< 1	< 1	< 1	< 20	< 20	< 2	< 1	**29**	< 1	2	5	< 2	< 10	1	< 1	15	< 2
	07/18/00	< 1	< 1	< 1	< 1	< 20	< 20	< 2	< 1	**32**	< 1	2	6	< 2	< 10	1	< 1	16	< 2
	02/18/01	< 1.00	< 1.00	< 1.00	< 1.00	< 10.00	< 10.00	< 1.00	< 1.00	**31.50**	< 1.00	1.78	5.95	< 5.00	< 5.00	1.18	< 1.00	15.4	< 1.00
	08/21/01	< 1	< 1	< 1	< 3	< 10	< 10	< 1	< 1	**33.7**	< 1	1.61	5.93	< 5	< 5	< 1	< 1	15.7	< 1
	02/28/02	< 1.00	< 1.00	< 1.00	< 2.00	< 10.0	< 5.00	< 1.00	< 1.00	**37.1**	< 1.00	1.52	6.97	< 5.00	< 5.00	< 1.00	< 1.00	16.5	1.06
	08/01/02	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 15	< 1.0	< 1.0	**37**	< 1.0	2.4	7.6	< 3.0	< 15	1.7	< 1.0	18	< 2.0
	02/12/03	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 50	< 2.0	< 1.0	**26**	< 1.0	1.2	5.4	< 3.0	< 15	1.1	< 1.0	12	< 2.0
	08/05/03	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	**33**	< 1.0	1.2	6.2	< 3.0	< 10	< 1.0	< 1.0	14	< 2.0
	05/25/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	**29**	< 1.0	< 1.0	5.8	< 3.0	< 10	< 1.0	< 1.0	12	< 1.0
	11/10/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	24	< 1.0	< 1.0	5.0	< 3.0	< 10	< 1.0	< 1.0	10	< 1.0
	04/12/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	**27**	< 1.0	1.0	5.3	< 3.0	< 10	< 1.0	< 1.0	9.8	< 1.0
	12/02/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	**26**	< 1.0	< 1.0	5.0	< 3.0	< 10	< 1.0	< 1.0	8.9	< 1.0
	05/11/06	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2.0	< 1.0	**28**	< 1.0	< 1.0	4.1	< 3.0	< 10	< 1.0	< 1.0	6.8	< 1.0
	12/17/06	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2.0	< 1.0	**28**	< 1.0	< 1.0	4.5	< 3.0	< 10	< 1.0	< 1.0	7.4	< 1.0
	06/21/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	19	< 1.0	< 1.0	3.1	< 3.0	< 10	< 1.0	< 1.0	5.2	< 1.0
	12/07/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	18	< 1.0	< 1.0	2.4	< 3.0	< 10	< 1.0	< 1.0	4.7	< 1.0
	06/02/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	2.1	< 1.0	19	< 1.0	< 1.0	2.4	< 3.0	< 10	< 1.0	< 1.0	4.3	< 1.0
	12/11/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	19	< 1.0	< 1.0	2.7	< 3.0	< 10	< 1.0	< 1.0	3.7	< 1.0
	04/28/09	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	20	< 1.0	< 1.0	2.3	< 3.0	< 10	< 1.0	< 1.0	3.5	< 1.0
	06/13/10	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	16	< 1.0	< 1.0	1.8	< 3.0	< 10	< 1.0	< 1.0	2.4	< 1.0
MW-15	09/14/95	< 1	< 5	< 5	< 5	< 100	< 100	< 10	< 5	< 5	< 5	**5**	na	< 5	< 50	< 5	< 5	< 5	< 10
	11/12/96	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	< 5	< 5	**5**	na	< 5	< 50	< 5	< 5	< 5	< 10
	02/04/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 5	< 5	< 5	< 10
	05/10/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 5	< 5	< 5	< 10
	08/07/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 10
	10/08/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	< 5	< 5	< 5	< 5	6 [b]	< 50	< 5	< 5	< 5	< 10
	01/23/98	< 5	< 5	< 5	< 5	< 100	< 20	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 10
	04/16/98	< 5	13	< 5	< 5	< 100	< 20	< 10	< 5	< 5	< 5	**5**	< 5	< 5	< 10	< 5	< 5	< 5	< 10
	07/17/98	< 5	< 5	< 5	< 5	< 100	< 20	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 10
	01/26/99	< 1	< 1	< 1	< 1	< 20	< 20	< 2	2	3	< 1	**5**	< 1	< 2	< 10	< 1	1	< 1	< 2
	07/08/99	< 1	< 1	< 1	< 1	< 20	< 20	< 2	2	4	< 1	4	< 1	< 2	< 10	< 1	2	< 1	< 2
	01/27/00	< 1	< 1	< 1	< 1	< 20	< 20	< 2	2	4	< 1	**5**	< 1	< 2	< 10	< 1	2	< 1	< 2

Table 4. Summary of Groundwater Analyses - Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)													
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	Methyl ethyl ketone (2-butanone)	Chloroethane	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Dichloromethane (Methylene chloride)	4-methyl-2-pentanone	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride
NMWQCC Standard		10	750	750	620	none	none	none	100.0	25.0	10.0	5	none	none	none	20	60	100	1
	07/17/00	< 1	< 1	< 1	< 1	< 20	< 20	< 2	2	3	< 1	4	< 1	< 2	< 10	< 1	2	< 1	< 2
	02/17/01	< 1.00	< 1.00	< 1.00	< 1.00	< 10.00	< 10.00	< 1.00	1.77	3.54	< 1.00	3.97	< 1.00	< 5.00	< 5.00	< 1.00	1.81	< 1.00	< 1.00
	08/21/01	< 1	< 1	< 1	< 3	< 10	< 5	< 1	1.39	3.18	< 1	3.59	< 1	< 5	< 5	< 1	1.72	< 1	< 1
	02/28/02	< 1.00	< 1.00	< 1.00	< 2.00	< 10.0	< 5.00	< 1.00	1.68	3.56	< 1.00	3.66	< 1.00	< 5.00	< 5.00	< 1.00	1.87	< 1.00	< 1.00
	08/01/02	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 50	< 2.0	1.9	3.6	< 1.0	3.8	< 1.0	< 3.0	< 15	< 1.0	2.1	< 1.0	< 2.0
	02/12/03	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 50	< 2.0	1.4	2.5	< 1.0	3.1	< 1.0	< 3.0	< 15	< 1.0	1.6	< 1.0	< 2.0
	08/05/03	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	1.0	2.5	< 1.0	2.4	< 1.0	< 3.0	< 10	< 1.0	2.2	< 1.0	< 2.0
	05/25/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	1.1	2.5	< 1.0	2.6	< 1.0	< 3.0	< 10	< 1.0	1.9	< 1.0	< 2.0
Dup (MW-17)	05/25/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	1.1	2.4	< 1.0	2.6	< 1.0	< 3.0	< 10	< 1.0	1.9	< 1.0	< 1.0
	11/09/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	2.5	< 1.0	1.9	< 1.0	< 3.0	< 10	< 1.0	2.7	< 1.0	< 1.0
	04/12/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	1.8	3.7	< 1.0	2.6	< 1.0	< 3.0	< 10	< 1.0	1.9	< 1.0	< 1.0
	12/02/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	1.0	2.5	< 1.0	2.1	< 1.0	< 3.0	< 10	< 1.0	1.9	< 1.0	< 1.0
	05/11/06	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2.0	1.4	2.3	< 1.0	2.4	< 1.0	< 3.0	< 10	< 1.0	1.7	< 1.0	< 1.0
	12/17/06	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2.0	< 1.0	3.1	< 1.0	1.7	< 1.0	< 3.0	< 10	< 1.0	1.9	< 1.0	< 1.0
	06/21/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	2.1	< 1.0	1.6	< 1.0	< 3.0	< 10	< 1.0	1.4	< 1.0	< 1.0
	12/07/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	1.7	< 1.0	1.4	< 1.0	< 3.0	< 10	< 1.0	1.1	< 1.0	< 1.0
	06/02/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	2.0	< 1.0	1.9	< 1.0	< 3.0	< 10	< 1.0	1.1	< 1.0	< 1.0
	12/11/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	1.6	< 1.0	1.7	< 1.0	< 3.0	< 10	< 1.0	1.0	< 1.0	< 1.0
	04/28/09	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	1.6	< 1.0	1.4	< 1.0	< 3.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	06/13/10	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	1.4	< 1.0	1.3	< 1.0	< 3.0	< 10	< 1.0	1.0	< 1.0	< 1.0
MW-16	09/14/95	< 1	< 5	< 5	< 5	< 100	< 100	< 10	< 5	6	< 5	< 5	na	< 5	< 50	6	< 5	< 5	< 10
	11/12/96	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	6	< 5	< 5	na	< 5	< 50	**21**	< 5	< 5	< 10
	02/04/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	< 5	< 5	< 5	< 5	< 50	< 50	17	< 5	< 5	< 10
	05/10/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 5	< 5	< 5	< 10
	08/06/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	< 5	< 5	< 5	< 5	6	< 50	14	< 5	< 5	< 10
	10/08/97	< 5	< 5	< 5	< 5	< 100	< 100	< 10	< 5	< 5	< 5	< 5	< 5	7 [b]	< 50	15	< 5	< 5	< 10
	01/23/98	< 5	< 5	< 5	< 5	< 100	< 20	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10	13	< 5	< 5	< 10
	04/16/98	< 5	< 5	< 5	< 5	< 100	< 20	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 10
	07/16/98	< 5	< 5	< 5	< 5	< 100	< 20	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10	16	< 5	< 5	< 10
	01/26/99	< 1	< 1	< 1	< 1	< 20	< 20	< 2	< 1	3	< 1	3	< 1	< 2	< 10	16	< 1	1	< 2
	07/08/99	< 1	< 1	< 1	< 1	< 20	< 20	< 2	< 1	3	< 1	3	< 1	< 2	< 10	14	< 1	< 1	< 2
	01/27/00	< 1	< 1	< 1	< 1	< 20	< 20	< 2	< 1	3	< 1	3	< 1	< 2	< 10	14	< 1	1	< 2

Table 4. Summary of Groundwater Analyses - Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)													
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	Methyl ethyl ketone (2-butanone)	Chloroethane	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Dichloromethane (Methylene chloride)	4-methyl-2-pentanone	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride
NMWQCC Standard		10	750	750	620	none	none	none	100.0	25.0	10.0	5	none	none	none	20	60	100	1
	07/17/00	< 1	< 1	< 1	< 1	< 20	< 20	< 2	< 1	3	< 1	2	< 1	< 2	< 10	13	< 1	1	< 2
	02/17/01	< 1.00	< 1.00	< 1.00	< 1.00	< 10.00	< 10.00	< 1.00	< 1.00	2.43	< 1.00	3.13	< 1.00	< 5.00	< 5.00	10.5	< 1.00	< 1.00	< 1.00
	08/21/01	< 1	< 1	< 1	< 3	< 10	< 10	< 1	< 1	2.03	< 1	3.15	< 1	< 5	< 5	8.22	< 1	< 1	< 1
	02/28/02	< 1	< 1	< 1	< 2	< 10	< 5	< 1	< 1	2.33	< 1	2.45	< 1	< 5	< 5	6.53	< 1	< 1	< 1
	08/01/02	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 50	< 2.0	< 1.0	2.9	< 1.0	2.7	< 1.0	< 3.0	< 15	9.6	< 1.0	1.2	< 2.0
	02/12/03	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 50	< 2.0	< 1.0	1.8	< 1.0	1.8	< 1.0	< 3.0	< 15	10	< 1.0	< 1.0	< 2.0
	08/05/03	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	1.7	< 1.0	1.8	< 1.0	< 3.0	< 10	8.4	< 1.0	< 1.0	< 2.0
	05/25/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	1.5	< 1.0	2.1	< 1.0	< 3.0	< 10	6.6	< 1.0	< 1.0	< 1.0
	11/09/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	1.3	< 1.0	1.0	< 1.0	< 3.0	< 10	8.3	< 1.0	< 1.0	< 1.0
	04/12/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	2.3	< 1.0	2.0	< 1.0	< 3.0	< 10	5.6	< 1.0	< 1.0	< 1.0
	12/02/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	< 1.0	< 2.0	< 1.0	1.4	< 1.0	< 3.0	< 10	5.2	< 1.0	< 1.0	< 1.0
	05/11/06	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2.0	< 1.0	< 2.0	< 1.0	1.8	< 1.0	< 3.0	< 10	5.1	< 1.0	1.3	< 1.0
	12/17/06	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2.0	< 1.0	< 2.0	< 1.0	1.2	< 1.0	< 3.0	< 10	4.0	< 1.0	1.3	< 1.0
	06/21/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	1.1	< 1.0	1.2	< 1.0	< 3.0	< 10	4.8	< 1.0	< 1.0	< 1.0
	12/07/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	3.9	< 1.0	< 1.0	< 1.0
	06/02/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	4.0	< 1.0	< 1.0	< 1.0
	12/11/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	4.3	< 1.0	< 1.0	< 1.0
	04/28/09	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	4.4	< 1.0	< 1.0	< 1.0
	06/13/10	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 10	3.7	< 1.0	< 1.0	< 1.0
MW-17	11/10/04	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	1.6	1.9	< 1.0	2.6	< 1.0	< 3.0	< 10	1.7	< 1.0	< 1.0	< 1.0
	04/12/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	2.4	3.0	< 1.0	2.8	< 1.0	< 3.0	< 10	1.7	< 1.0	< 1.0	< 1.0
	12/02/05	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	1.7	2.1	< 1.0	2.7	< 1.0	< 3.0	< 10	2.1	< 1.0	< 1.0	< 1.0
	05/11/06	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 2.0	1.6	1.7	< 1.0	< 1.0	< 1.0	< 3.0	< 10	1	< 1.0	< 1.0	< 1.0
	12/15/06	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 10	< 2.0	1.1	< 2.0	< 1.0	1.9	< 1.0	< 3.0	< 10	1.4	< 1.0	1.2	< 1.0
	06/21/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	1.4	1.5	< 1.0	2.0	< 1.0	< 3.0	< 10	1.7	< 1.0	< 1.0	< 1.0
	12/07/07	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	1.0	1.2	< 1.0	1.6	< 1.0	< 3.0	< 10	1.7	< 1.0	< 1.0	< 1.0
	06/02/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	1.2	1.5	< 1.0	1.8	< 1.0	< 3.0	< 10	1.6	< 2.0	< 1.0	< 1.0
	12/11/08	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	1.4	1.2	< 1.0	1.6	< 1.0	< 3.0	< 10	1.8	< 1.0	< 1.0	< 1.0
	04/28/09	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	1.2	1.2	< 1.0	1.5	< 1.0	< 3.0	< 10	2.0	< 1.0	< 1.0	< 1.0
	06/13/10	< 1.0	< 1.0	< 1.0	< 1.5	< 10	< 10	< 2.0	1.2	1.1	< 1.0	1.2	< 1.0	< 3.0	< 10	1.8	< 1.0	< 1.0	< 1.0

Table 4. Summary of Groundwater Analyses - Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	BTEX (ug/L)				Other VOCs (ug/L)													
		Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	Methyl ethyl ketone (2-butanone)	Chloroethane	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Dichloromethane (Methylene chloride)	4-methyl-2-pentanone	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl chloride
NMWQCC Standard		10	750	750	620	none	none	none	100.0	25.0	10.0	5	none	none	none	20	60	100	1
SVE-1A	01/26/00	**59**	16	14	57	< 20	< 20	11	< 1	**240**	2	**8**	54	5	240	8	44	59	< 2
	07/18/00	**59**	16	15	59	< 20	< 20	9	< 1	**230**	3	**8**	62	3	480	3	33	57	< 2
	02/18/01	**45.6**	29.6	14.2	101.12	< 50.0	< 50.0	14.2	< 5.00	**466**	5.45	**15.8**	101	< 25.0	883	13.8	55.1	98.9	< 5.00
	08/21/01	**51.9**	31.4	16.2	92.6	< 10	< 10	13.3	< 1	**607**	5.08	**21.8**	116	< 5	610	7.65	**62.5**	**133**	**3.6**
	03/01/02	**47.7**	41.5	16.0	89.2	< 100	< 50.0	< 10.0	< 10.0	**334**	< 10.0	**10.8**	101	< 50.0	842	< 10.0	14.9	84.7	< 10.0
	08/01/02	**60**	57	17	110	< 250	< 500	< 20	< 10	**480**	< 10	**21**	170	< 30	1000	11	33	**150**	< 20
	02/12/03	**55**	78	20	120	< 250	< 500	< 20	< 10	**370**	< 10	**11**	160	< 30	1100	< 10	19	**130**	< 20
	08/05/03	**69**	83	24	170	< 100	< 100	< 20	< 10	**630**	< 10	**16**	240	< 30	1500	< 10	34	**180**	< 20
	05/25/04	**90**	47	25	95	< 100	< 100	< 20	< 10	**380**	< 10	**10**	120	< 30	420	< 10	40	80	< 10
	11/10/04	**91**	99	32	190	< 50	< 50	18	< 5.0	**680**	< 5.0	**19**	310	< 15	1500	< 5.0	41	**140**	< 5.0
	04/12/05	**85**	36	29	79	< 100	< 100	< 20	< 10	**150**	< 10	< 10	85	< 30	550	< 10	< 10	35	< 10
	12/02/05	**170**	37	60	110	< 100	< 100	< 20	< 10	**150**	< 10	< 10	76	< 30	180	< 10	12	48	< 10
	05/11/06	**110**	23	41	89	< 50	< 50	< 10	< 5	**150**	8.1	< 5	74	< 15	260	< 5	< 5	37	< 5
	12/14/06	**160**	31	65	120	< 100	< 100	< 20	< 10	**230**	< 10	< 10	95	< 30	200	< 10	15	60	< 10
	06/21/07	**72**	12	28	56	< 10	< 10	8	< 1	**240**	1.4	**9.2**	59	< 3	58	7.9	21	42	1.1
	12/07/07	**73**	8.8	25	39	< 50	< 50	< 10	< 5	**96**	< 5	< 5	37	< 15	< 50	< 5	6.2	24	< 5
	06/02/08	**140**	22	59	81	< 50	< 50	< 10	< 5	**180**	< 5	**7.7**	61	< 15	69	15	16	41	< 5
	12/11/08	**71**	7.5	29	35	< 10	< 10	3.9	< 1	**150**	3.7	**5.2**	42	< 3	27	6.5	12	22	< 1
	04/28/09	**69**	5.7	31	31	< 10	< 10	< 2	< 1	**38**	< 1	< 1	19	< 3	15	1.1	< 1	11	< 1
	06/13/10	**62**	< 10	31	20	< 10	< 10	< 20	< 10	**55**	< 10	< 10	27	< 30	< 100	< 10	< 10	16	< 10

NOTES:
(a) Sample analyzed at 10x dilution
(b) Constituent also detected in laboratory blank sample
(c) na - Analysis for this constituent was not run on samples collected during this sample event

Table 5. Summary of Groundwater Analyses - Additional Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Compound	Concentration (µg/L)	Reporting Limit (µg/L)
MW-1	10/09/97	1,1,2,2-Tetrchloroethane	107	50
	01/23/98	1,2,4-Trimethylbenzene	36	5
	01/23/98	1,3,5-Trimethylbenzene	13	5
	01/23/98	2-Hexanone	25	10
	04/17/98	Naphthalene	11	5
	04/17/98	1,2,4-Trimethylbenzene	39	5
	04/17/98	1,3,5-Trimethylbenzene	13	5
	04/17/98	2-Hexanone	18	10
Dup(MW-17)	04/17/98	Naphthalene	24	5
	04/17/98	1,2,4-Trimethylbenzene	40	5
	04/17/98	1,3,5-Trimethylbenzene	14	5
	04/17/98	2-Hexanone	26	10
	07/17/98	Napthalene	13	5
	07/17/98	1,2,4-Trimethylbenzene	32	5
	07/17/98	1,3,5-Trimethylbenzene	11	5
	07/17/98	2-Hexanone	18	10
	01/27/99	Carbon disulfide	1	1
	01/27/99	Isopropylbenzene	2	1
	01/27/99	n-Propylbenzene	3	1
	01/27/99	1,3,5-Trimethylbenzene	14	1
	01/27/99	1,2,4-Trimethylbenzene	38	1
	01/27/99	4-Isopropyltoluene	2	1
	01/27/99	1,2-Dichlorobenzene	1	1
	01/27/99	Naphthalene	14	1
	08/21/01	1,2,4-Trimethylbenzene	27.8	5
	08/21/01	1,2-Dichlorobenzene	1.02	1
	08/21/01	1,3,5-Trimethylbenzene	15.3	1
	08/21/01	n-Propylbenzene	1.12	1
	08/21/01	Naphthalene	11.2	2
	08/01/02	1,2,4-Trimethylbenzene	33	10
	08/01/02	1,3,5-Trimethylbenzene	16	10
	02/12/03	1,2,4-Trimethylbenzene	45	10
	02/12/03	1,3,5-Trimethylbenzene	15	10
	08/05/03	1,2,4-Trimethylbenzene	41	10
	08/05/03	1,3,5-Trimethylbenzene	18	10
	05/25/04	1,2,4-Trimethylbenzene	50	5
	05/25/04	1,3,5-Trimethylbenzene	22	5
	05/25/04	Naphthalene	21	10
	11/09/04	1,2,4-Trimethylbenzene	62	10
	11/09/04	1,3,5-Trimethylbenzene	22	10
	11/09/04	Naphthalene	23	20
	04/12/05	1,2,4-Trimethylbenzene	61	5
	04/12/05	1,3,5-Trimethylbenzene	25	5
	04/12/05	Naphthalene	30	5

Table 5. Summary of Groundwater Analyses - Additional Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Compound	Concentration (µg/L)	Reporting Limit (µg/L)
	04/12/05	4-Isopropyltoluene	5.7	5
	04/12/05	n-Butylbenzene	6.5	5
	04/12/05	n-Propylbenzene	5.9	5
	12/02/05	1,2,4-Trimethylbenzene	72	5
	12/02/05	1,3,5-Trimethylbenzene	36	5
	12/02/05	Naphthalene	31	10
	12/02/05	2-Methylnaphthalene	32	20
	05/11/06	1,2,4-Trimethylbenzene	45	5
	05/11/06	1,3,5-Trimethylbenzene	23	5
	05/11/06	Naphthalene	27	5
	12/17/06	1,2,4-Trimethylbenzene	90	10
	12/17/06	1,3,5-Trimethylbenzene	40	10
	12/17/06	Naphthalene	32	20
	06/21/07	1,2,4-Trimethylbenzene	51	1
	06/21/07	1,3,5-Trimethylbenzene	21	1
	06/21/07	Naphthalene	22	2
	06/21/07	1-Methylnaphthalene	6.9	4
	06/21/07	2-Methylnaphthalene	9.6	4
	06/21/07	2-Chlorotoluene	1.3	1
	06/21/07	Isopropylbenzene	2.9	1
	06/21/07	4-Isopropyltoluene	1.7	1
	06/21/07	n-Butylbenzene	2.4	1
	06/21/07	n-Propylbenzene	4.1	1
	12/07/07	1,2,4-Trimethylbenzene	47	1
	12/07/07	1,3,5-Trimethylbenzene	19	1
	06/02/08	1,2,4-Trimethylbenzene	64	10
	06/02/08	1,3,5-Trimethylbenzene	23	10
	06/02/08	Naphthalene	22	20
MW-4	12/01/94	Bromodichloromethane	0.2	0.2
	02/12/03	Chlorobenzene	1.3	1
	08/05/03	Chlorobenzene	1.8	1
	05/25/04	Chlorobenzene	3.1	1
	11/09/04	Chlorobenzene	5.6	1
	11/09/04	sec-Butylbenzene	1.1	1
	04/12/05	Chlorobenzene	3.7	1
	12/02/05	Chlorobenzene	2.7	1
	12/02/05	sec-Butylbenzene	1.1	1
	12/17/06	Chlorobenzene	1.4	1

Table 5. Summary of Groundwater Analyses - Additional Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Compound	Concentration (µg/L)	Reporting Limit (µg/L)
MW-5	12/01/94	1,2-Dichlorobenzene	0.5	0.2
	11/12/96	Bromodichloromethane	94	5
	01/24/98	Naphthalene	48	5
	01/24/98	1,2,4-Trimethylbenzene	17	5
	01/24/98	1,3,5-Trimethylbenzene	10	5
Dup(MW-17)	01/24/98	Naphthalene	40	5
	01/24/98	1,2,4-Trimethylbenzene	17	5
	01/24/98	1,3,5-Trimethylbenzene	10	5
	04/17/98	Naphthalene	5	5
	04/17/98	1,2,4-Trimethylbenzene	6	5
	07/17/98	Naphthalene	7	5
	07/17/98	1,2,4-Trimethylbenzene	6	5
	01/27/99	trans-1,2-Dichloroethene	1	1
	01/27/99	1,3,5-Trimethylbenzene	6	1
	01/27/99	1,2,4-Trimethylbenzene	9	1
	01/27/99	4-Isopropyltoluene	1	1
	01/27/99	1,2-Dichlorobenzene	1	1
	01/27/99	Naphthalene	9	1
Dup(MW-17)	01/27/99	1,3,5-Trimethylbenzene	7	1
Dup(MW-17)	01/27/99	1,2,4-Trimethylbenzene	10	1
Dup(MW-17)	01/27/99	4-Isopropyltoluene	1	1
Dup(MW-17)	01/27/99	1,2-Dichlorobenzene	1	1
Dup(MW-17)	01/27/99	Naphthalene	9	1
	07/09/99	1,3,5-Trimethylbenzene	6	1
	07/09/99	1,2,4-Trimethylbenzene	9	1
	07/09/99	4-Isopropyltoluene	1	1
	07/09/99	Naphthalene	9	1
Dup(MW-17)	01/27/00	1,3,5-Trimethylbenzene	8	1
Dup(MW-17)	01/27/00	1,2,4-Trimethylbenzene	13	1
Dup(MW-17)	01/27/00	4-Isopropyltoluene	2	1
Dup(MW-17)	01/27/00	Naphthalene	12	1
	01/27/00	1,3,5-Trimethylbenzene	8	1
	01/27/00	1,2,4-Trimethylbenzene	13	1
	01/27/00	4-Isopropyltoluene	2	1
	01/27/00	Naphthalene	13	1
	01/27/00	1,3,5-Trimethylbenzene	9	1
	01/27/00	1,2,4-Trimethylbenzene	15	1
	01/27/00	4-Isopropyltoluene	2	1
	01/27/00	Naphthalene	11	1
Dup(MW-19)	02/18/01	1,2-Dichlorobenzene	1.04	1.00
Dup(MW-19)	02/18/01	p-Isopropyltoluene	2.10	2.00
Dup(MW-19)	02/18/01	n-Propylbenzene	1.12	1.00
Dup(MW-19)	02/18/01	1,2,4-Trimethylbenzene	16.6	1.00
Dup(MW-19)	02/18/01	1,3,5-Trimethylbenzene	9.35	1.00
	02/18/01	1,2-Dichlorobenzene	1.04	1.00
	02/18/01	p-Isopropyltoluene	2.18	2.00
	02/18/01	Napthalene	14.4	2.00

Table 5. Summary of Groundwater Analyses - Additional Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Compound	Concentration (µg/L)	Reporting Limit (µg/L)
	02/18/01	n-Propylbenzene	1.12	1.00
	02/18/01	1,2,4-Trimethylbenzene	16.7	1.00
	02/18/01	1,3,5-Trimethylbenzene	9.23	1.00
	08/21/01	1,2,4-Trimethylbenzene	11.8	1
	08/21/01	1,3,5-Trimethylbenzene	7.71	1
	08/21/01	Napthalene	9.4	1
	08/21/01	trans-1,2-Dichloroethene	1.15	1
Dup(MW-19)	03/01/02	Carbon disulfide	2.1	1
Dup(MW-19)	03/01/02	trans-1,2-Dichloroethene	1.14	1
Dup(MW-19)	03/01/02	1,3,5-Trimethylbenzene	8.06	1
Dup(MW-19)	03/01/02	1,2,4-Trimethylbenzene	9.37	1
Dup(MW-19)	03/01/02	p-Isopropyltoluene	3.50	1
Dup(MW-19)	03/01/02	Napthalene	8.39	1
	03/01/02	Carbon disulfide	1.19	1
	03/01/02	trans-1,2-Dichloroethene	1.42	1
	03/01/02	1,3,5-Trimethylbenzene	7.79	1
	03/01/02	1,2,4-Trimethylbenzene	8.96	1
	03/01/02	p-Isopropyltoluene	3.36	1
	03/01/02	Napthalene	10.5	1
	08/01/02	1,2,4-Trimethylbenzene	9.2	5
	08/01/02	1,3,5-Trimethylbenzene	2.2	5
	08/01/02	Napthalene	7	4
	08/01/02	4-Isopropyltoluene	2.5	2
	08/01/02	n-Propylbenzene	2.2	2
	08/01/02	trans-1,2-Dichloroethene	2.4	2
Dup(MW-19)	02/12/03	1,2,4-Trimethylbenzene	7.1	2
Dup(MW-19)	02/12/03	1,3,5-Trimethylbenzene	7.7	2
Dup(MW-19)	02/12/03	Napthalene	6.6	4
Dup(MW-19)	02/12/03	4-Isopropyltoluene	2.7	2
	02/12/03	1,2,4-Trimethylbenzene	7.6	2
	02/12/03	1,3,5-Trimethylbenzene	8.0	2
	02/12/03	Napthalene	7.4	4
	02/12/03	4-Isopropyltoluene	2.7	2
	08/05/03	1,2,4-Trimethylbenzene	8	5
	08/05/03	1,3,5-Trimethylbenzene	8.3	5
	05/25/04	1,2,4-Trimethylbenzene	8.4	5
	05/25/04	1,3,5-Trimethylbenzene	6.3	5
	04/12/05	1,2,4-Trimethylbenzene	12	5
	04/12/05	1,3,5-Trimethylbenzene	9.2	5
	04/12/05	Napthalene	11	10
	04/12/05	4-Isopropyltoluene	5.4	5
	12/02/05	1,2,4-Trimethylbenzene	12	1
	12/02/05	1,3,5-Trimethylbenzene	6.5	1
	12/02/05	Napthalene	9.8	1
	12/02/05	2-Methylnaphthalene	5.8	4
	12/02/05	4-Isopropyltoluene	1.8	1
	05/11/06	1,2,4-Trimethylbenzene	8.2	1

Table 5. Summary of Groundwater Analyses - Additional Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Compound	Concentration (µg/L)	Reporting Limit (µg/L)
	05/11/06	1,3,5-Trimethylbenzene	4.2	1
	05/11/06	Napthalene	8.5	2
	05/11/06	4-Isopropyltoluene	2.3	1
	05/11/06	1,2-Dichlorobenzene	1.1	1
	12/17/06	1,2,4-Trimethylbenzene	35	5
	12/17/06	1,3,5-Trimethylbenzene	17	5
	12/17/06	Napthalene	24	10
	12/17/06	4-Isopropyltoluene	5.2	5
Dup(MW-24)	12/17/06	1,2,4-Trimethylbenzene	32	5
Dup(MW-24)	12/17/06	1,3,5-Trimethylbenzene	17	5
Dup(MW-24)	12/17/06	Napthalene	21	10
	06/21/07	1,2,4-Trimethylbenzene	12	1
	06/21/07	1,3,5-Trimethylbenzene	5.7	1
	06/21/07	Napthalene	9.7	2
	06/21/07	4-Isopropyltoluene	1.4	1
	12/07/07	1,2,4-Trimethylbenzene	12	1
	12/07/07	1,3,5-Trimethylbenzene	5.6	1
	12/07/07	Napthalene	8.7	1
	12/07/07	4-Isopropyltoluene	1.3	1
Dup(MW-2)	12/07/07	1,2,4-Trimethylbenzene	14	1
Dup(MW-2)	12/07/07	1,3,5-Trimethylbenzene	6.6	1
Dup(MW-2)	12/07/07	Napthalene	11	1
Dup(MW-2)	12/07/07	4-Isopropyltoluene	1.5	1
	06/02/08	1,2,4-Trimethylbenzene	9.7	1
	06/02/08	1,3,5-Trimethylbenzene	4.5	1
	06/02/08	Napthalene	9	1
	06/02/08	4-Isopropyltoluene	1.8	1
	12/11/08	1,2,4-Trimethylbenzene	21	1
	12/11/08	1,3,5-Trimethylbenzene	8.5	1
	12/11/08	Napthalene	15	2
	12/11/08	2-Methylnaphthane	5.9	4
	12/11/08	4-Isopropyltoluene	1.6	1
Dup(MW-18)	12/11/08	1,2,4-Trimethylbenzene	19	1
	12/11/08	1,3,5-Trimethylbenzene	7.5	1
	12/11/08	Napthalene	15	2
	12/11/08	1-Methylnaphthane	5.5	4
	12/11/08	2-Methylnaphthane	6.6	4
	12/11/08	4-Isopropyltoluene	1.4	1
	04/28/09	1,2,4-Trimethylbenzene	14	1
	04/28/09	1,3,5-Trimethylbenzene	6.4	1
	04/28/09	Napthalene	9.1	2
	04/28/09	4-Isopropyltoluene	1.9	1
Dup(MW-18)	06/13/10	Naphthalene	8.8	40
	06/13/10	1,2,4-Trimethylbenzene	9.9	10
	06/13/10	1,3,5-Trimethylbenzene	4.8	10
	06/13/10	Napthalene	7.6	20

Table 5. Summary of Groundwater Analyses - Additional Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Compound	Concentration (µg/L)	Reporting Limit (µg/L)
MW-6	11/30/94	1,2-Dichlorobenzene	0.3	0.2
MW-8	11/30/94	1,2-Dichlorobenzene	0.4	0.2
	01/24/98	P-Isopropyltoluene	10	5
	01/27/99	Isopropylbenzene	2	1
	01/27/99	4-Isopropyltoluene	2	1
	01/27/99	1,2- Dichlorobenzene	1	1
Dup(MW-17)	07/09/99	1,2-Dichlorobenzene	1	1
	07/09/99	1,2-Dichlorobenzene	1	1
	01/27/00	1,2-Dichlorobenzene	1	1
	07/18/00	1,2-Dichlorobenzene	1	1
Dup(MW-17)	07/18/00	1,2-Dichlorobenzene	1	1
	02/18/01	1,2-Dichlorobenzene	1.14	1.00
	08/21/01	1,2-Dichlorobenzene	1.08	1
	02/28/02	1,2-Dichlorobenzene	1.33	1
	02/28/02	trans 1,2 Dichloroethene	1.01	1
	08/01/02	1,2-Dichlorobenzene	1.3	1
	08/01/02	Isopropylbenzene	1.0	1
	08/01/02	trans-1,2-Dichloroethene	1.7	1
Dup(MW-18)	08/01/02	1,2-Dichlorobenzene	1.3	1
	08/01/02	Isopropylbenzene	1.1	1
	08/01/02	trans-1,2-Dichloroethene	1.5	1
	02/12/03	1,2-Dichlorobenzene	1.2	1
	12/02/05	1,3,5-Trimethylbenzene	1.6	1
	12/02/05	trans-1,2-Dichloroethene	1.3	1
	12/02/05	Isopropylbenzene	1.3	1
Dup(MW-20)	12/02/05	Isopropylbenzene	1.2	1
	12/02/05	sec-Butylbenzene	1	1
	12/02/05	trans-1,2-Dichloroethene	1.3	1
	05/11/06	1,2-Dichlorobenzene	1.4	1
	05/11/06	Isopropylbenzene	1.1	1
	05/11/06	trans-1,2-Dichloroethene	1.1	1
Dup(MW-24)	05/11/06	1,2-Dichlorobenzene	1.5	1
	05/11/06	Isopropylbenzene	1.1	1
	05/11/06	trans-1,2-Dichloroethene	1	1
	12/07/07	Isopropylbenzene	1	1
	06/02/08	1,2-Dichlorobenzene	1.1	1
Dup(MW-18)	06/02/08	1,2-Dichlorobenzene	1.1	1
	12/11/08	1,2-Dichlorobenzene	1.2	1
	04/28/09	1,2-Dichlorobenzene	1.4	1
	04/28/09	Isopropylbenzene	1.1	1
Dup(MW-18)	04/28/09	1,2-Dichlorobenzene	1.4	1
	04/28/09	Isopropylbenzene	1.1	1
	04/28/09	trans-1,2-Dichloroethene	1.0	1
	06/13/10	1,2-Dichlorobenzene	1.3	1

Table 5. Summary of Groundwater Analyses - Additional Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Compound	Concentration (µg/L)	Reporting Limit (µg/L)
MW-17	5/11/2006	1,2,4-Trimethylbenzene	1.7	1
SVE-1A	01/26/00	Isopropylbenzene	2	1
	01/26/00	n-Proplybenzene	3	1
	01/26/00	1,3,5-Trimethylbenzene	19	1
	01/26/00	1,2,4-Trimethylbenzene	30	1
	01/26/00	4-Isopropyltoluene	2	1
	01/26/00	Naphthalene	14	1
	07/18/00	Isopropylbenzene	2	1
	07/18/00	n-Proplybenzene	3	1
	07/18/00	1,3,5-Trimethylbenzene	21	1
	07/18/00	1,2,4-Trimethylbenzene	33	1
	07/18/00	4-Isopropyltoluene	2	1
	07/18/00	Naphthalene	15	1
	02/18/01	1,2,4-Trimethylbenzene	44.5	5.00
	02/18/01	1,3,5-Trimethylbenzene	25.2	5.00
	08/21/01	1,1,2-Trichloroethane	1.48	1
	08/21/01	1,2,4-Trimethylbenzene	47.2	5
	08/21/01	1,3,5-Trimethylbenzene	23.8	1
	08/21/01	Isopropylbenzene	2.44	2
	08/21/01	n-Propylbenzene	3.12	1
	08/21/01	Naphthalene	16.2	2
	08/21/01	trans-1,2-Dichloroethene	1.06	1
	03/01/02	1,3,5-Trimethylbenzene	27	1
	03/01/02	1,2,4-Trimethylbenzene	57	1
	03/01/02	n-Propylbenzene	12	1
	02/12/03	1,2,4-Trimethylbenzene	73	10
	08/05/03	1,3,5-Trimethylbenzene	40	10
	08/05/03	1,2,4-Trimethylbenzene	75	10
	05/24/04	1,3,5-Trimethylbenzene	54	10
	05/24/04	1,2,4-Trimethylbenzene	36	10
	05/24/04	Naphthalene	23	20
	11/10/04	1,2,4-Trimethylbenzene	94	5
	11/10/04	1,3,5-Trimethylbenzene	44	5
	11/10/04	1,2-Dichloroethane	6.3	5
	11/10/04	Naphthalene	26	10
	11/10/04	2-Methylnaphthalene	21	20
	11/10/04	Isopropylbenzene	7.7	5
	11/10/04	n-Propylbenzene	8.1	5
	04/12/05	1,2,4-Trimethylbenzene	53	10
	04/12/05	1,3,5-Trimethylbenzene	35	10
	04/12/05	Naphthalene	28	20
	04/12/05	n-Propylbenzene	10	10
	12/2/2005	1,2,4-Trimethylbenzene	100	10
	12/2/2005	1,3,5-Trimethylbenzene	69	10
	12/2/2005	Naphthalene	39	20
	12/2/2005	2-Methylnaphthalene	51	40

Table 5. Summary of Groundwater Analyses - Additional Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Compound	Concentration (µg/L)	Reporting Limit (µg/L)
	12/2/2005	Isopropylbenzene	10	10
	12/2/2005	sec-Butylbenzene	96	10
	5/11/2006	1,2,4-Trimethylbenzene	77	5
	5/11/2006	1,3,5-Trimethylbenzene	54	5
	5/11/2006	Naphthalene	33	5
	5/11/2006	Isopropylbenzene	7.1	5
	5/11/2006	4-Isopropyltoluene	7.0	5
	5/11/2006	n-Butylbenzene	8.2	5
	5/11/2006	n-Propylbenzene	8.2	5
	12/14/2006	1,2,4-Trimethylbenzene	94	10
	12/14/2006	1,3,5-Trimethylbenzene	70	10
	12/14/2006	Naphthalene	37	20
	12/14/2006	n-Propylbenzene	14	10
	6/21/2007	1,2,4-Trimethylbenzene	46	1
	6/21/2007	1,3,5-Trimethylbenzene	35	1
	6/21/2007	Naphthalene	21	2
	6/21/2007	1-Methylnaphthalene	6.8	4
	6/21/2007	2-Methylnaphthalene	8.5	4
	6/21/2007	Isopropylbenzene	4.3	1
	6/21/2007	4-Isopropyltoluene	2.1	1
	6/21/2007	n-Butylbenzene	3.1	1
	6/21/2007	n-Propylbenzene	5.2	1
	12/7/2007	1,2,4-Trimethylbenzene	46	5
	12/7/2007	1,3,5-Trimethylbenzene	36	5
	12/7/2007	Naphthalene	19	10
	6/2/2008	1,2,4-Trimethylbenzene	85	5
	6/2/2008	1,3,5-Trimethylbenzene	74	5
	6/2/2008	Naphthalene	44	10
	6/2/2008	Isopropylbenzene	8	5
	6/2/2008	4-Isopropyltoluene	5.2	5
	6/2/2008	n-Propylbenzene	11	5
	12/11/2008	1,2,4-Trimethylbenzene	39	1
	12/11/2008	1,3,5-Trimethylbenzene	35	1
	12/11/2008	Naphthalene	21	2
	12/11/2008	1-Methylnaphthalene	8	4
	12/11/2008	2-Methylnaphthalene	12	4
	12/11/2008	Isopropylbenzene	4	1
	12/11/2008	4-Isopropyltoluene	2.6	1
	12/11/2008	n-Butylbenzene	2.6	1
	12/11/2008	n-Propylbenzene	5.7	1
	12/11/2008	sec-Butylbenzene	1.2	1
	4/28/2009	1,2,4-Trimethylbenzene	36	1
	4/28/2009	1,3,5-Trimethylbenzene	37	1
	4/28/2009	Naphthalene	21	2
	4/28/2009	1-Methylnaphthalene	8.2	4
	4/28/2009	2-Methylnaphthalene	12	4
	4/28/2009	Isopropylbenzene	4.6	1

Table 5. Summary of Groundwater Analyses - Additional Organics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Compound	Concentration (µg/L)	Reporting Limit (µg/L)
	4/28/2009	4-Isopropyltoluene	3.1	1
	4/28/2009	n-Butylbenzene	2.5	1
	4/28/2009	n-Propylbenzene	5.9	1
	4/28/2009	sec-Butylbenzene	1.4	1
	6/13/2010	1,2,4-Trimethylbenzene	36	1
	6/13/2010	1,3,5-Trimethylbenzene	39	1

Table 6. Summary of Completion Details for Soil Borings Completed as Wells
TW WT-1 Station Engine Room Pit Area

Well ID	Source[a]	Date of Completion	Measuring Point Elevation [b] (ft)	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/B&R	08/12/92	3,547.65	-36.2	-661.8	53.5	55.04	Stickup	2	43.5-53.5	41.0
MW-2	SH&B/B&R	09/01/92	3,546.28	-2.8	-552.0	50.0	52.31	Stickup	2	40-50	38.0
MW-3	SH&B/B&R	08/28/92	3,548.99	-174.5	-619.3	48.5	50.00	Flush Mount	2	38.5-48.5	35.5
MW-3 P&A	CMB	01/08/00	--	--	--	--	--	--	--	--	--
MW-4	Eades/DBS&A	11/29/94	3,548.29	-322.5	-664.2	80.0	58.25	Flush Mount	2	43.5-58.5	41.0
MW-5	Eades/DBS&A	11/29/94	3,543.60	52.4	-642.0	59.6	59.75	Flush Mount	2	44.6-59.6	41.0
MW-6	Eades/DBS&A	11/28/94	3,543.33	132.1	-834.3	61.0	61.20	Flush Mount	2	46-61	42.5
MW-7	Eades/DBS&A	11/21/94	3,542.00	129.5	-470.6	56.0	54.88	Flush Mount	2	40-55	37.0
MW-8	Eades/DBS&A	11/20/94	3,541.49	195.3	-639.1	59.0	59.20	Flush Mount	2	44-59	42.0
MW-14	Eades/DBS&A	09/11/95	3,539.73	353.3	-671.4	61.0	60.25	Flush Mount	2	45.5-60.5	43.0
MW-15	Eades/DBS&A	09/12/95	3,542.82	-84.1	-345.5	60.5	57.85	Flush Mount	2	43-58	40.5
MW-16	Eades/DBS&A	09/12/95	3,545.68	-76.1	-930.0	61.0	60.02	Flush Mount	2	45-60	42.0
MW-17	Atkins/CES	10/28/04	3,538.60	487.6	-699.1	75.0	74.83	Flush Mount	2	44-74	42.0
SVE-1A	Eades/DBS&A	11/18/94	3,545.59	-73.0	-616.0	53.0	52.63	Flush Mount	2	42.5-52.5	41.2
SVE-1B	Eades/DBS&A	11/18/94	3,545.61	-73.0	-616.0	37.5	NA	Flush Mount	2	21-36	18.3
RW-1	GPI/CES	09/07/00	3,545.97	-4.6	-507.7	60.2	62.36	Stickup	4.5	Open hole 43-60.2	None
RW-2	GPI/CES	09/08/00	3,546.26	-3.1	-536.5	60.4	62.45	Stickup	4.5	Open hole 43-60.4	None
RW-3	GPI/CES	09/09/00	3,546.41	-3.1	-566.3	60.0	61.65	Stickup	4.5	Open hole 43-60	None
RW-4	GPI/CES	09/10/00	3,546.96	-2.9	-597.4	60.0	62.10	Stickup	4.5	Open hole 43-60	None
RW-5	GPI/CES	09/11/00	3,546.75	-3.9	-627.0	60.0	62.35	Stickup	4.5	Open hole 43-60	None
RW-6	GPI/CES	09/12/00	3,546.69	-4.0	-656.5	60.0	62.12	Stickup	4.5	Open hole 43-60	None
RW-7	GPI/CES	09/13/00	3,547.50	-3.7	-687.2	60.2	62.52	Stickup	4.5	Open hole 43-60.2	None
RW-8	GPI/CES	09/14/00	3,547.04	-4.2	-716.3	60.1	62.17	Stickup	4.5	Open hole 43-60.1	None
RW-9	GPI/CES	09/20/00	3,545.84	-54.9	-690.0	60.2	59.98	Stickup	4.5	Open hole 43-60.2	None

Table 6. Summary of Completion Details for Soil Borings Completed as Wells
TW WT-1 Station Engine Room Pit Area

Well ID	Source[a]	Date of Completion	Measuring Point Elevation [b] (ft)	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)
RW-10	GPI/CES	09/21/00	3,546.32	-107.0	-661.4	60.1	59.90	Stickup	4.5	Open hole 43-60.1	None
RW-11	GPI/CES	09/22/00	3,545.74	-107.8	-568.2	60.2	59.97	Stickup	4.5	Open hole 43-60.2	None
RW-12	GPI/CES	09/23/00	3,544.43	-55.4	-541.4	60.2	60.09	Stickup	4.5	Open hole 43-60.2	None

NOTES:
(a) Driller/Consultant
(b) Survey by John W. West Engineering
(c) Survey by Cypress Engineering (GAF) on November 4, 2004 for well MW-17

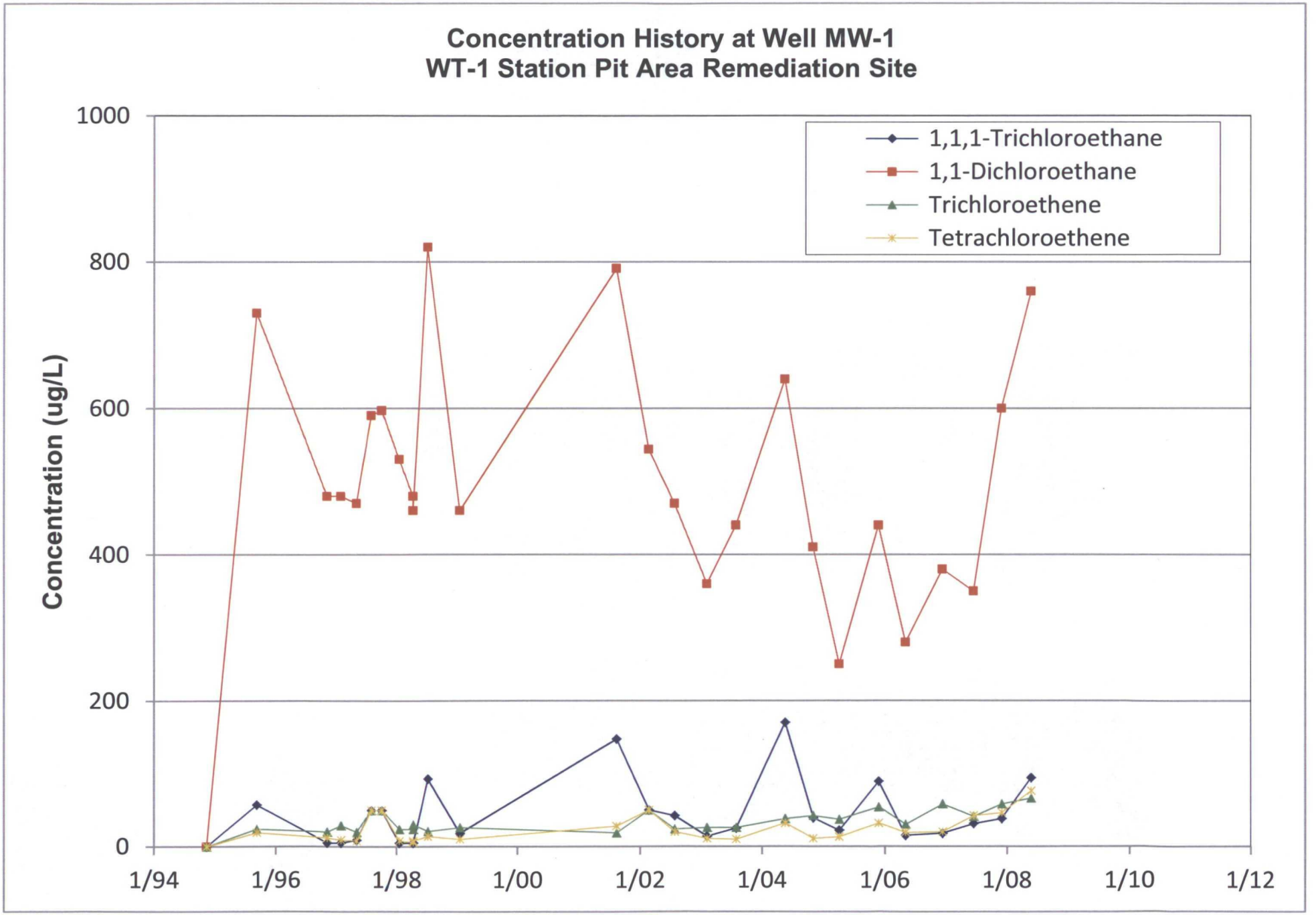
Table 7. Monitor Well Sampling Locations, Frequency, and Sample Analysis Plan
TW WT-1 Station Engine Room Pit Area

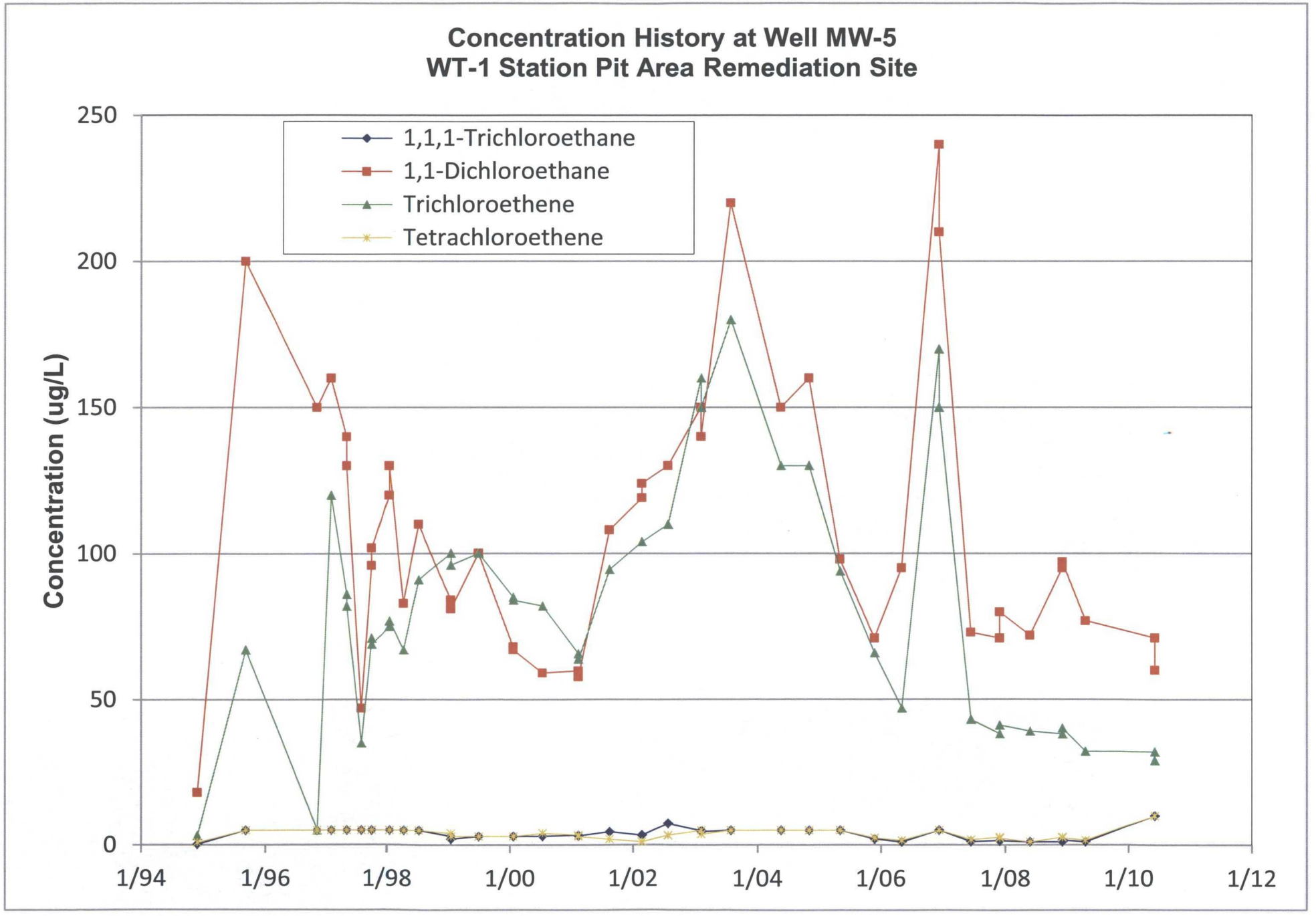
Well ID	Analytical Requirements for Annual Event	1,1-DCA (ppb) Latest Result	Comments
MW-1	VOC's	760*	Well contains PSH intermittently * Result from 6/2/08 sample event
MW-2	na	na	Well contains PSH
MW-3	na	na	Well P&A'd on 1/8/2000
MW-4	VOC's	< 1	
MW-5	VOC's	60	
MW-6	VOC's	3.6	
MW-7	VOC's	29	
MW-8	VOC's	55	
MW-14	VOC's	16	
MW-15	VOC's	1.4	
MW-16	VOC's	< 1	
MW-17	VOC's	1.1	
SVE-1A	VOC's	55	

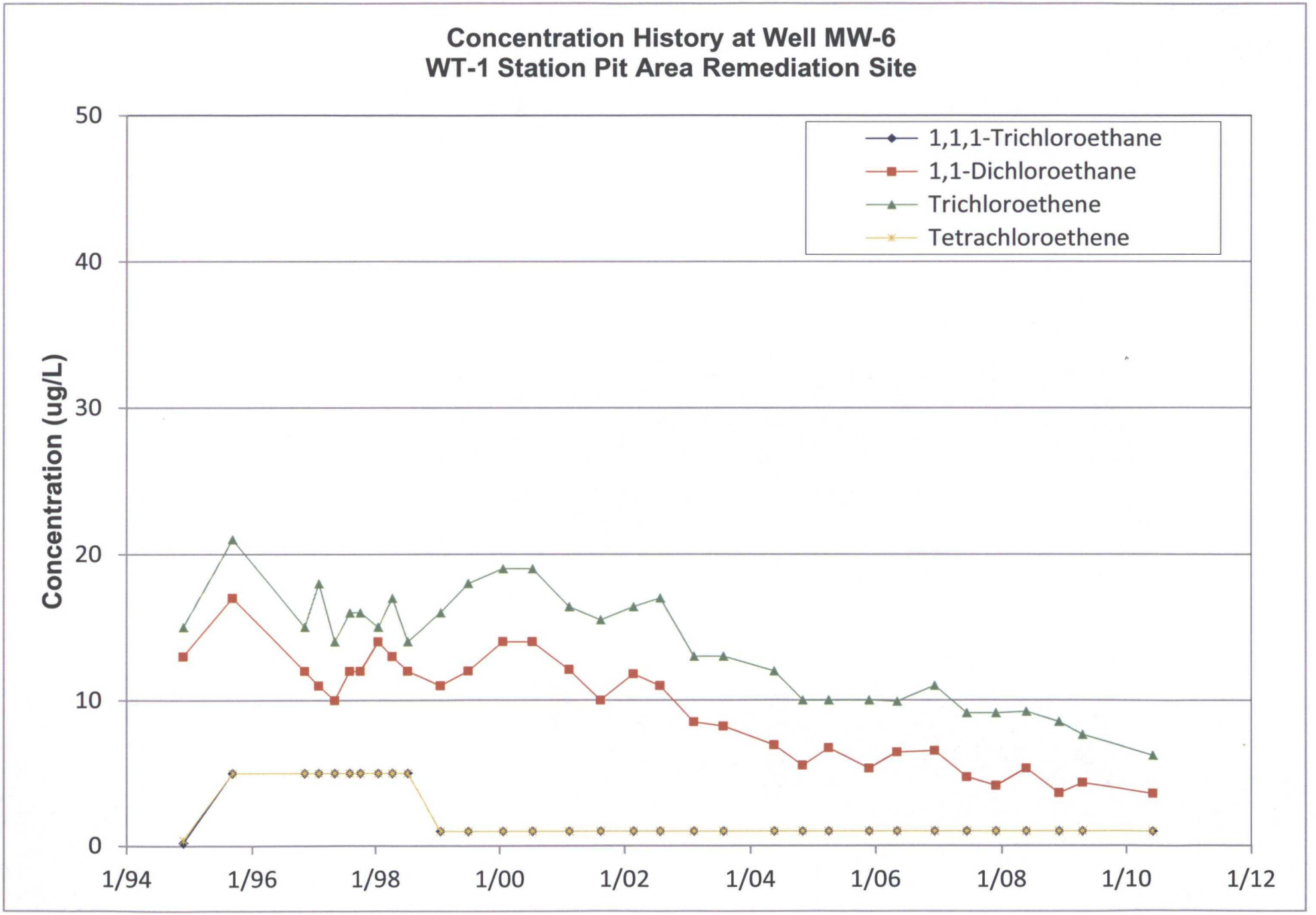
Notes:
1) VOC's by 8260
2) "Comments" are provided for wells that will not be sampled during one or more events

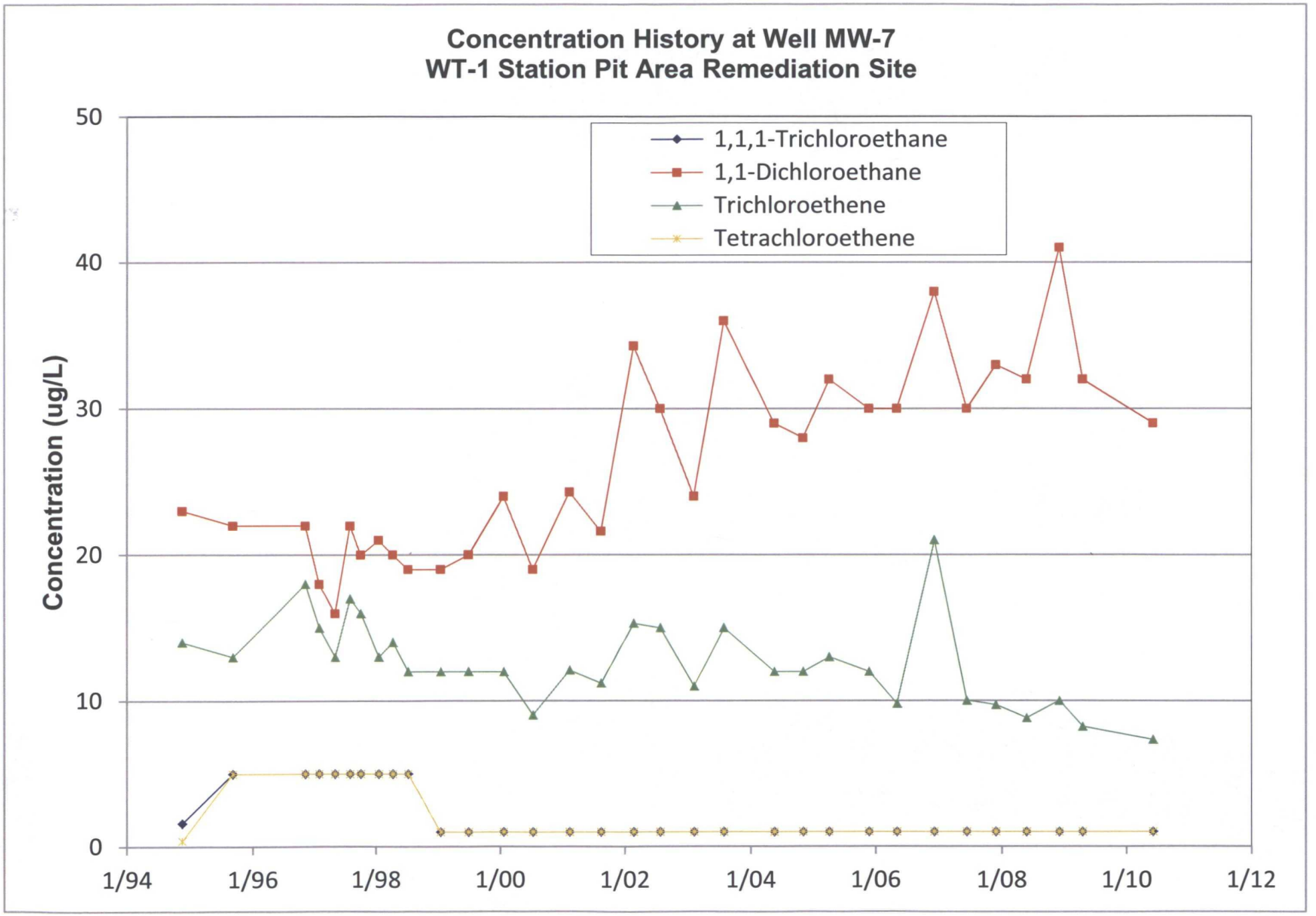
APPENDIX A

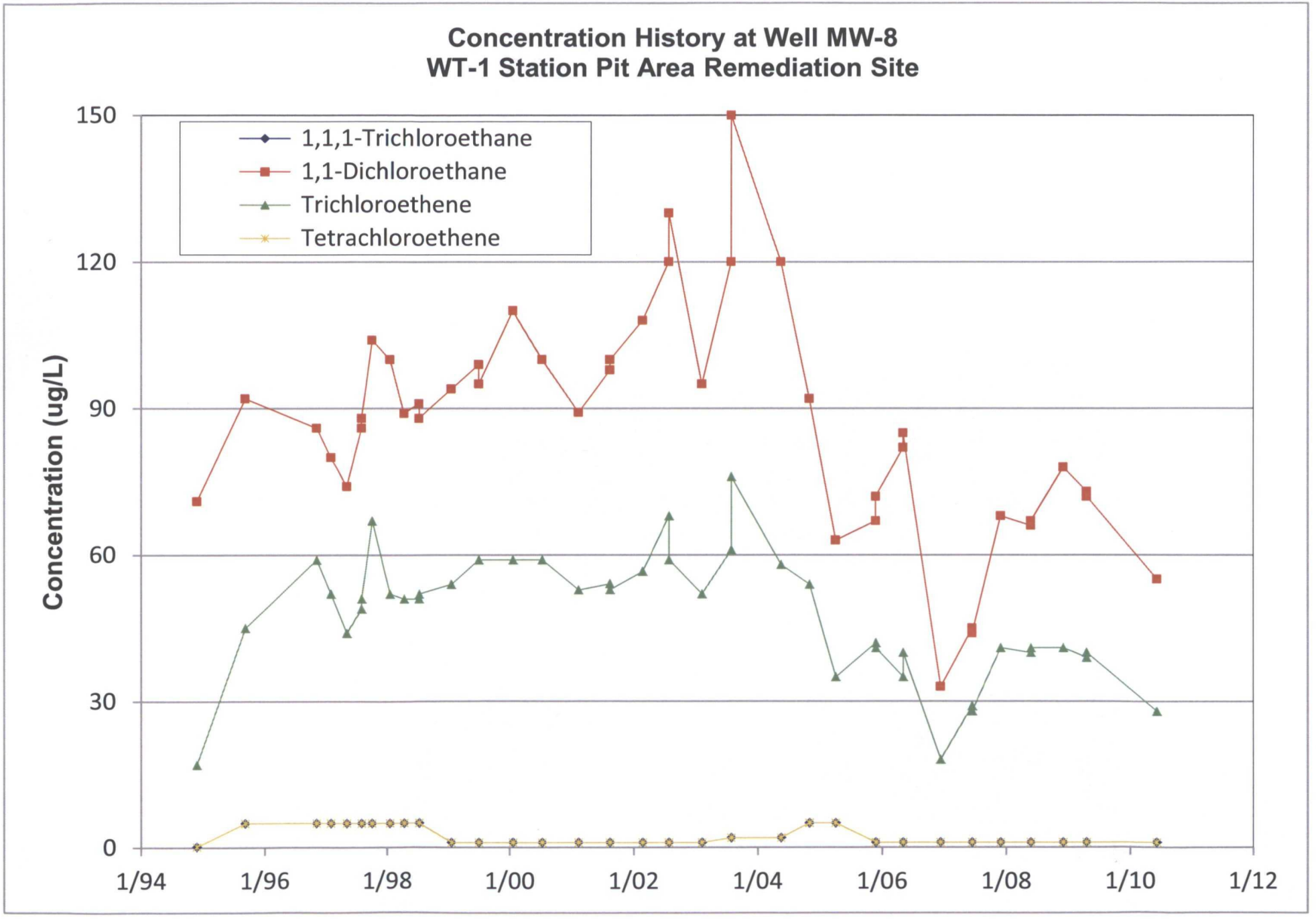
Concentration History Plots

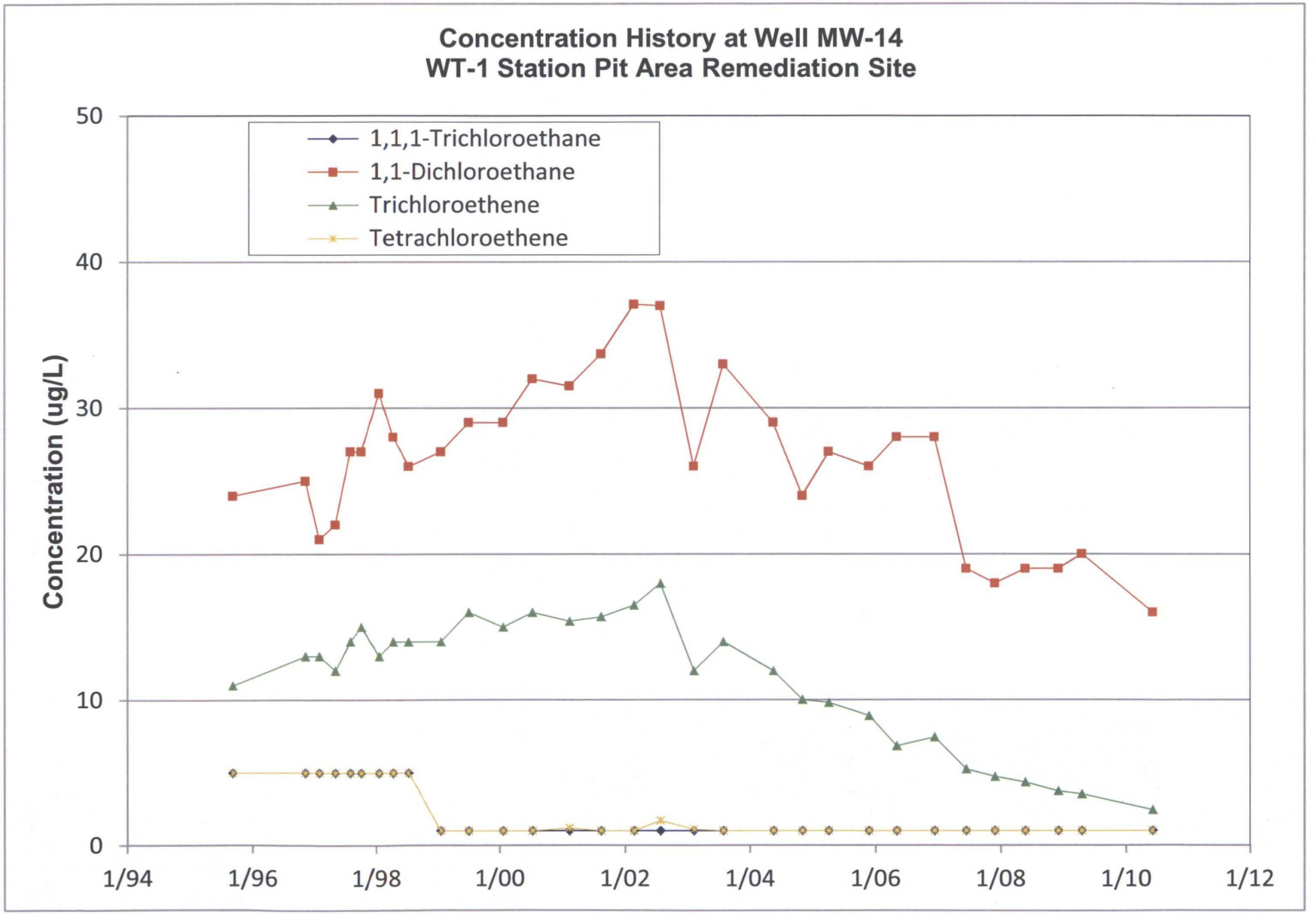

Concentration History at Well MW-1
WT-1 Station Pit Area Remediation Site
Concentration (ug/L)
1000
800
600
400
200
0
1/94
1/96
1/98
1/00
1/02
1/04
1/06
1/08
1/10
1/12
1,1,1-Trichloroethane
1,1-Dichloroethane
Trichloroethene
Tetrachloroethene

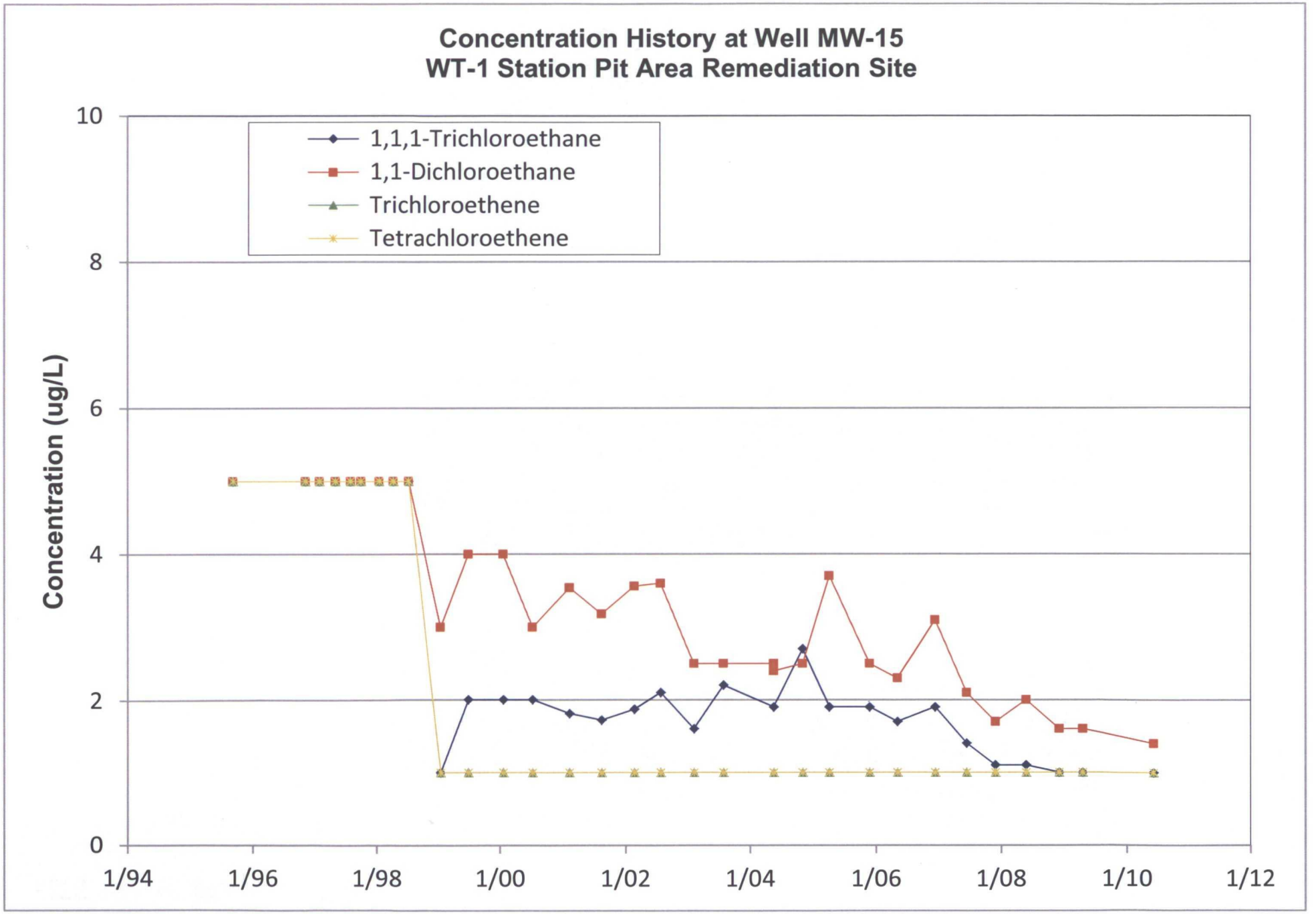

Concentration History at Well MW-5
WT-1 Station Pit Area Remediation Site
1,1,1-Trichloroethane
1,1-Dichloroethane
Trichloroethene
Tetrachloroethene
Concentration (ug/L)
250
200
150
100
50
0
1/94
1/96
1/98
1/00
1/02
1/04
1/06
1/08
1/10
1/12

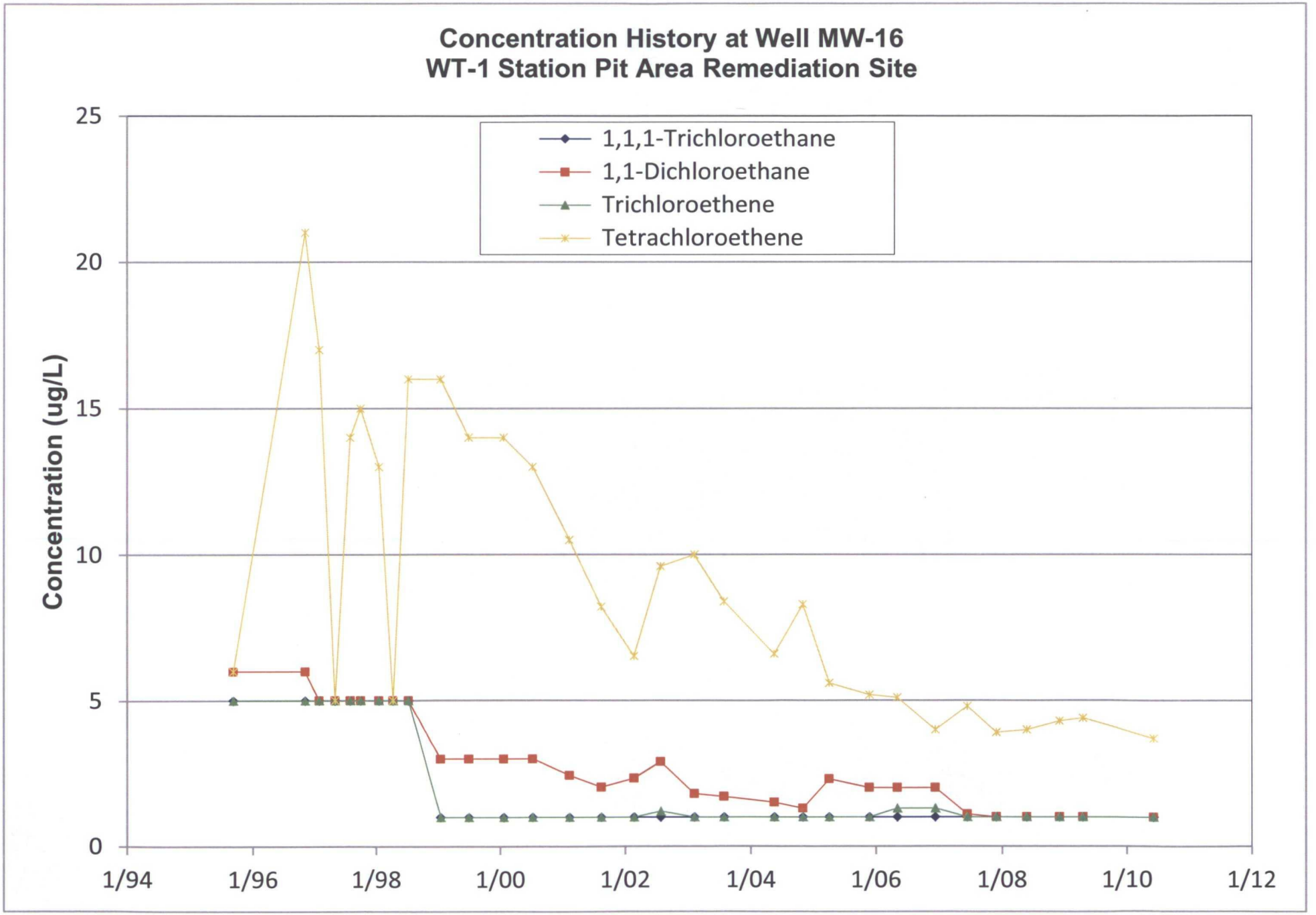

Concentration History at Well MW-6
WT-1 Station Pit Area Remediation Site
Concentration (ug/L)
50
40
30
20
10
0
1/94
1/96
1/98
1/00
1/02
1/04
1/06
1/08
1/10
1/12
1,1,1-Trichloroethane
1,1-Dichloroethane
Trichloroethene
Tetrachloroethene

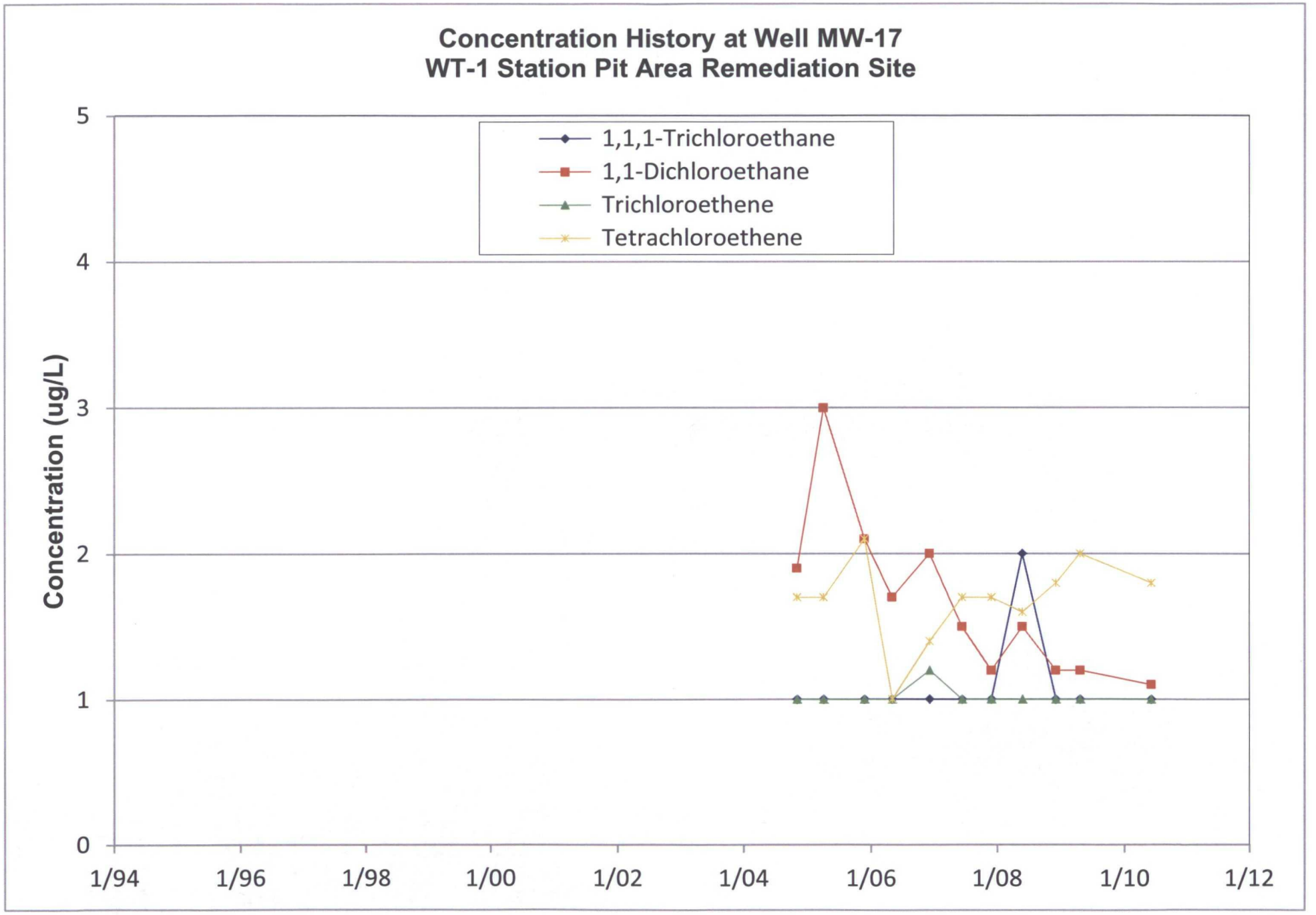

Concentration History at Well MW-7
WT-1 Station Pit Area Remediation Site
Concentration (ug/L)
50
40
30
20
10
0
1/94
1/96
1/98
1/00
1/02
1/04
1/06
1/08
1/10
1/12
1,1,1-Trichloroethane
1,1-Dichloroethane
Trichloroethene
Tetrachloroethene

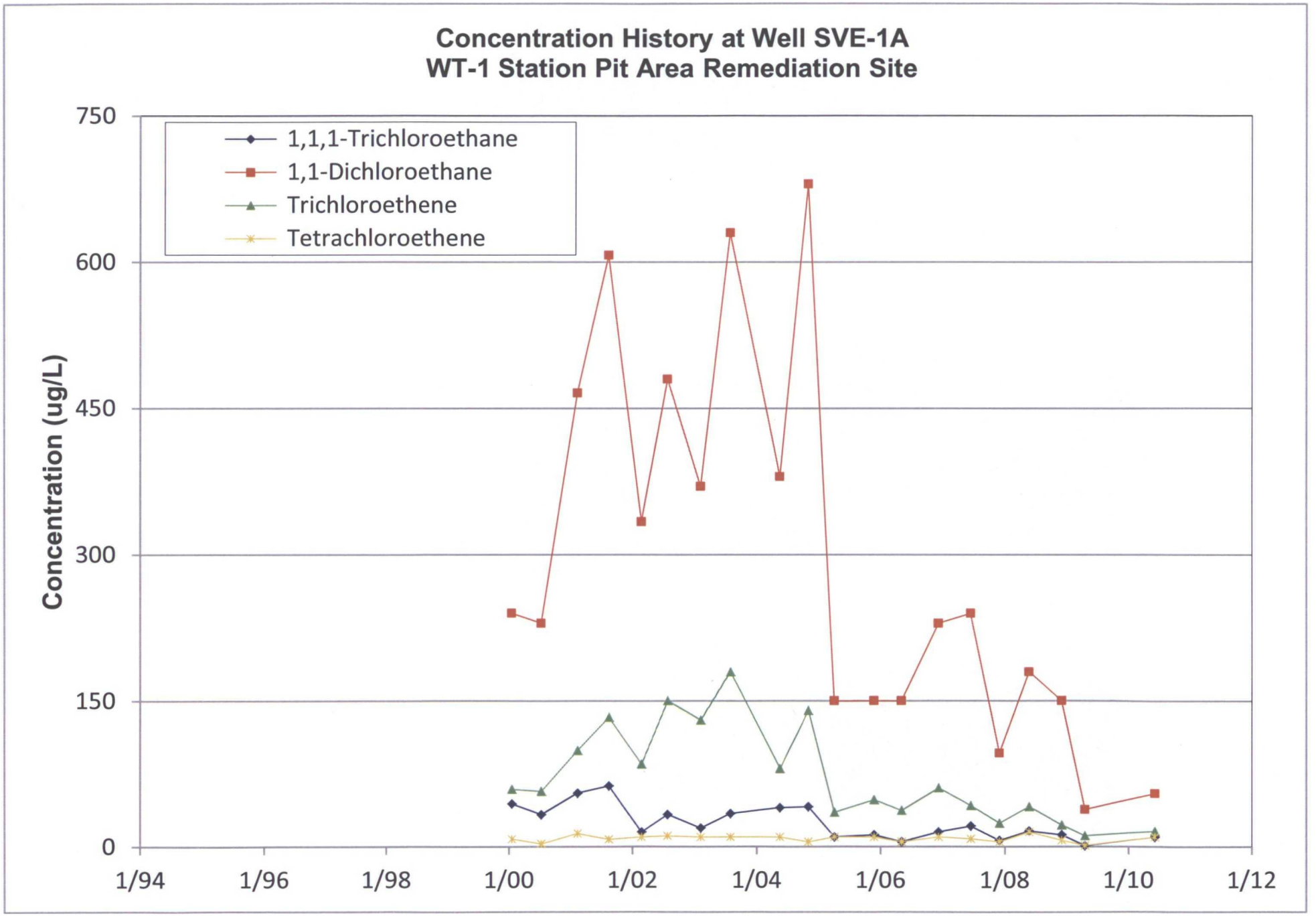

Concentration History at Well MW-8
WT-1 Station Pit Area Remediation Site
Concentration (ug/L)
150
120
90
60
30
0
1/94
1/96
1/98
1/00
1/02
1/04
1/06
1/08
1/10
1/12
1,1,1-Trichloroethane
1,1-Dichloroethane
Trichloroethene
Tetrachloroethene


Concentration History at Well MW-14
WT-1 Station Pit Area Remediation Site
1,1,1-Trichloroethane
1,1-Dichloroethane
Trichloroethene
Tetrachloroethene
Concentration (ug/L)
50
40
30
20
10
0
1/94
1/96
1/98
1/00
1/02
1/04
1/06
1/08
1/10
1/12


Concentration History at Well MW-15
WT-1 Station Pit Area Remediation Site
1,1,1-Trichloroethane
1,1-Dichloroethane
Trichloroethene
Tetrachloroethene
Concentration (ug/L)
10
8
6
4
2
0
1/94
1/96
1/98
1/00
1/02
1/04
1/06
1/08
1/10
1/12


Concentration History at Well MW-16
WT-1 Station Pit Area Remediation Site
1,1,1-Trichloroethane
1,1-Dichloroethane
Trichloroethene
Tetrachloroethene
Concentration (ug/L)
25
20
15
10
5
0
1/94
1/96
1/98
1/00
1/02
1/04
1/06
1/08
1/10
1/12


Concentration History at Well MW-17
WT-1 Station Pit Area Remediation Site
1,1,1-Trichloroethane
1,1-Dichloroethane
Trichloroethene
Tetrachloroethene
Concentration (ug/L)
0
1
2
3
4
5
1/94
1/96
1/98
1/00
1/02
1/04
1/06
1/08
1/10
1/12


Concentration History at Well SVE-1A
WT-1 Station Pit Area Remediation Site
1,1,1-Trichloroethane
1,1-Dichloroethane
Trichloroethene
Tetrachloroethene
Concentration (ug/L)
750
600
450
300
150
0
1/94
1/96
1/98
1/00
1/02
1/04
1/06
1/08
1/10
1/12

APPENDIX B

Laboratory Reports

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, June 17, 2010

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

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

RE: TWP WT-1 ERP

Order No.: 1006481

Dear George Robinson:

Hall Environmental Analysis Laboratory, Inc. received 12 sample(s) on 6/15/2010 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.

Reporting limits are determined by EPA methodology.

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
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Sep-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-5
Lab Order:	1006481	**Collection Date:**	6/13/2010 11:15:00 AM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-01	**Matrix:**	AQUEOUS

Analyses		Result	Qual	MDL	PQL	Units	DF	Date Analyzed
CAS #	**EPA METHOD 8260B: VOLATILES**							Analyst: **MMS**
71-43-2	Benzene	17		3.5	10	µg/L	10	6/15/2010 9:55:44 PM
108-88-3	Toluene	5.0	J	4.2	10	µg/L	10	6/15/2010 9:55:44 PM
100-41-4	Ethylbenzene	6.3	J	4.0	10	µg/L	10	6/15/2010 9:55:44 PM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		3.2	10	µg/L	10	6/15/2010 9:55:44 PM
95-63-6	1,2,4-Trimethylbenzene	9.9	J	7.0	10	µg/L	10	6/15/2010 9:55:44 PM
108-67-8	1,3,5-Trimethylbenzene	4.8	J	4.4	10	µg/L	10	6/15/2010 9:55:44 PM
107-06-2	1,2-Dichloroethane (EDC)	ND		3.4	10	µg/L	10	6/15/2010 9:55:44 PM
106-93-4	1,2-Dibromoethane (EDB)	ND		5.0	10	µg/L	10	6/15/2010 9:55:44 PM
91-20-3	Naphthalene	7.6	J	3.7	20	µg/L	10	6/15/2010 9:55:44 PM
90-12-0	1-Methylnaphthalene	ND		10	40	µg/L	10	6/15/2010 9:55:44 PM
91-57-6	2-Methylnaphthalene	ND		10	40	µg/L	10	6/15/2010 9:55:44 PM
67-64-1	Acetone	41	J	16	100	µg/L	10	6/15/2010 9:55:44 PM
108-86-1	Bromobenzene	ND		4.4	10	µg/L	10	6/15/2010 9:55:44 PM
75-27-4	Bromodichloromethane	ND		3.5	10	µg/L	10	6/15/2010 9:55:44 PM
75-25-2	Bromoform	ND		2.5	10	µg/L	10	6/15/2010 9:55:44 PM
74-83-9	Bromomethane	ND		4.2	10	µg/L	10	6/15/2010 9:55:44 PM
78-93-3	2-Butanone	30	J	8.9	100	µg/L	10	6/15/2010 9:55:44 PM
75-15-0	Carbon disulfide	ND		15	100	µg/L	10	6/15/2010 9:55:44 PM
56-23-5	Carbon Tetrachloride	ND		4.2	10	µg/L	10	6/15/2010 9:55:44 PM
108-90-7	Chlorobenzene	ND		4.0	10	µg/L	10	6/15/2010 9:55:44 PM
75-00-3	Chloroethane	ND		4.6	20	µg/L	10	6/15/2010 9:55:44 PM
67-66-3	Chloroform	ND		4.0	10	µg/L	10	6/15/2010 9:55:44 PM
74-87-3	Chloromethane	ND		4.3	10	µg/L	10	6/15/2010 9:55:44 PM
95-49-8	2-Chlorotoluene	ND		4.9	10	µg/L	10	6/15/2010 9:55:44 PM
106-43-4	4-Chlorotoluene	ND		3.5	10	µg/L	10	6/15/2010 9:55:44 PM
156-59-2	cis-1,2-DCE	42		4.1	10	µg/L	10	6/15/2010 9:55:44 PM
10061-01-5	cis-1,3-Dichloropropene	ND		3.9	10	µg/L	10	6/15/2010 9:55:44 PM
96-12-8	1,2-Dibromo-3-chloropropane	ND		6.5	20	µg/L	10	6/15/2010 9:55:44 PM
124-48-1	Dibromochloromethane	ND		3.6	10	µg/L	10	6/15/2010 9:55:44 PM
74-95-3	Dibromomethane	ND		3.5	10	µg/L	10	6/15/2010 9:55:44 PM
95-50-1	1,2-Dichlorobenzene	ND		4.0	10	µg/L	10	6/15/2010 9:55:44 PM
541-73-1	1,3-Dichlorobenzene	ND		4.3	10	µg/L	10	6/15/2010 9:55:44 PM
106-46-7	1,4-Dichlorobenzene	ND		3.5	10	µg/L	10	6/15/2010 9:55:44 PM
75-71-8	Dichlorodifluoromethane	ND		8.6	10	µg/L	10	6/15/2010 9:55:44 PM
75-34-3	1,1-Dichloroethane	71		4.1	10	µg/L	10	6/15/2010 9:55:44 PM
75-35-4	1,1-Dichloroethene	ND		3.5	10	µg/L	10	6/15/2010 9:55:44 PM
78-87-5	1,2-Dichloropropane	ND		4.3	10	µg/L	10	6/15/2010 9:55:44 PM
142-28-9	1,3-Dichloropropane	ND		4.0	10	µg/L	10	6/15/2010 9:55:44 PM
594-20-7	2,2-Dichloropropane	ND		3.1	20	µg/L	10	6/15/2010 9:55:44 PM
563-58-6	1,1-Dichloropropene	ND		3.9	10	µg/L	10	6/15/2010 9:55:44 PM
87-68-3	Hexachlorobutadiene	ND		5.9	10	µg/L	10	6/15/2010 9:55:44 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-5
Lab Order:	1006481	**Collection Date:**	6/13/2010 11:15:00 AM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-01	**Matrix:**	AQUEOUS

Analyses		Result	Qual	MDL	PQL	Units	DF	Date Analyzed
CAS #	**EPA METHOD 8260B: VOLATILES**							Analyst: **MMS**
591-78-6	2-Hexanone	ND		14	100	µg/L	10	6/15/2010 9:55:44 PM
98-82-8	Isopropylbenzene	ND		4.0	10	µg/L	10	6/15/2010 9:55:44 PM
99-87-6	4-Isopropyltoluene	ND		3.8	10	µg/L	10	6/15/2010 9:55:44 PM
108-10-1	4-Methyl-2-pentanone	ND		18	100	µg/L	10	6/15/2010 9:55:44 PM
75-09-2	Methylene Chloride	ND		4.9	30	µg/L	10	6/15/2010 9:55:44 PM
104-51-8	n-Butylbenzene	ND		4.2	10	µg/L	10	6/15/2010 9:55:44 PM
103-65-1	n-Propylbenzene	ND		4.3	10	µg/L	10	6/15/2010 9:55:44 PM
135-98-8	sec-Butylbenzene	ND		4.1	10	µg/L	10	6/15/2010 9:55:44 PM
100-42-5	Styrene	ND		3.4	10	µg/L	10	6/15/2010 9:55:44 PM
98-06-6	tert-Butylbenzene	ND		4.5	10	µg/L	10	6/15/2010 9:55:44 PM
630-20-6	1,1,1,2-Tetrachloroethane	ND		4.0	10	µg/L	10	6/15/2010 9:55:44 PM
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.7	20	µg/L	10	6/15/2010 9:55:44 PM
127-18-4	Tetrachloroethene (PCE)	ND		3.5	10	µg/L	10	6/15/2010 9:55:44 PM
156-60-5	trans-1,2-DCE	ND		4.3	10	µg/L	10	6/15/2010 9:55:44 PM
10061-02-6	trans-1,3-Dichloropropene	ND		4.4	10	µg/L	10	6/15/2010 9:55:44 PM
~-61-6	1,2,3-Trichlorobenzene	ND		5.5	10	µg/L	10	6/15/2010 9:55:44 PM
)-82-1	1,2,4-Trichlorobenzene	ND		4.5	10	µg/L	10	6/15/2010 9:55:44 PM
?1-55-6	1,1,1-Trichloroethane	ND		4.1	10	µg/L	10	6/15/2010 9:55:44 PM
79-00-5	1,1,2-Trichloroethane	ND		3.4	10	µg/L	10	6/15/2010 9:55:44 PM
79-01-6	Trichloroethene (TCE)	32		4.6	10	µg/L	10	6/15/2010 9:55:44 PM
75-69-4	Trichlorofluoromethane	ND		4.8	10	µg/L	10	6/15/2010 9:55:44 PM
96-18-4	1,2,3-Trichloropropane	ND		4.6	20	µg/L	10	6/15/2010 9:55:44 PM
75-01-4	Vinyl chloride	3.7	J	3.3	10	µg/L	10	6/15/2010 9:55:44 PM
1330-20-7	Xylenes, Total	ND		16	15	µg/L	10	6/15/2010 9:55:44 PM
17060-07-0	Surr: 1,2-Dichloroethane-d4	84.9		0	54.6-141	%REC	10	6/15/2010 9:55:44 PM
460-00-4	Surr: 4-Bromofluorobenzene	89.0		0	60.1-133	%REC	10	6/15/2010 9:55:44 PM
1868-53-7	Surr: Dibromofluoromethane	91.0		0	78.5-130	%REC	10	6/15/2010 9:55:44 PM
2037-26-5	Surr: Toluene-d8	93.3		0	79.5-126	%REC	10	6/15/2010 9:55:44 PM

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Sep-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-18
Lab Order:	1006481	**Collection Date:**	6/13/2010 9:15:00 AM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-02	**Matrix:**	AQUEOUS

Analyses		Result	Qual	MDL	PQL	Units	DF	Date Analyzed
CAS #	**EPA METHOD 8260B: VOLATILES**							Analyst: **MMS**
71-43-2	Benzene	16	J	6.9	20	µg/L	20	6/15/2010 10:24:07 PM
108-88-3	Toluene	ND		8.3	20	µg/L	20	6/15/2010 10:24:07 PM
100-41-4	Ethylbenzene	ND		8.1	20	µg/L	20	6/15/2010 10:24:07 PM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		6.4	20	µg/L	20	6/15/2010 10:24:07 PM
95-63-6	1,2,4-Trimethylbenzene	ND		14	20	µg/L	20	6/15/2010 10:24:07 PM
108-67-8	1,3,5-Trimethylbenzene	ND		8.8	20	µg/L	20	6/15/2010 10:24:07 PM
107-06-2	1,2-Dichloroethane (EDC)	ND		6.7	20	µg/L	20	6/15/2010 10:24:07 PM
106-93-4	1,2-Dibromoethane (EDB)	ND		10	20	µg/L	20	6/15/2010 10:24:07 PM
91-20-3	Naphthalene	8.8	J	7.3	40	µg/L	20	6/15/2010 10:24:07 PM
90-12-0	1-Methylnaphthalene	ND		20	80	µg/L	20	6/15/2010 10:24:07 PM
91-57-6	2-Methylnaphthalene	ND		21	80	µg/L	20	6/15/2010 10:24:07 PM
67-64-1	Acetone	69	J	32	200	µg/L	20	6/15/2010 10:24:07 PM
108-86-1	Bromobenzene	ND		8.7	20	µg/L	20	6/15/2010 10:24:07 PM
75-27-4	Bromodichloromethane	ND		7.0	20	µg/L	20	6/15/2010 10:24:07 PM
75-25-2	Bromoform	ND		4.9	20	µg/L	20	6/15/2010 10:24:07 PM
74-83-9	Bromomethane	ND		8.4	20	µg/L	20	6/15/2010 10:24:07 PM
78-93-3	2-Butanone	54	J	18	200	µg/L	20	6/15/2010 10:24:07 PM
75-15-0	Carbon disulfide	ND		31	200	µg/L	20	6/15/2010 10:24:07 PM
56-23-5	Carbon Tetrachloride	ND		8.4	20	µg/L	20	6/15/2010 10:24:07 PM
108-90-7	Chlorobenzene	ND		8.1	20	µg/L	20	6/15/2010 10:24:07 PM
75-00-3	Chloroethane	ND		9.3	40	µg/L	20	6/15/2010 10:24:07 PM
67-66-3	Chloroform	ND		8.0	20	µg/L	20	6/15/2010 10:24:07 PM
74-87-3	Chloromethane	ND		8.6	20	µg/L	20	6/15/2010 10:24:07 PM
95-49-8	2-Chlorotoluene	ND		9.8	20	µg/L	20	6/15/2010 10:24:07 PM
106-43-4	4-Chlorotoluene	ND		6.9	20	µg/L	20	6/15/2010 10:24:07 PM
156-59-2	cis-1,2-DCE	37		8.1	20	µg/L	20	6/15/2010 10:24:07 PM
10061-01-5	cis-1,3-Dichloropropene	ND		7.8	20	µg/L	20	6/15/2010 10:24:07 PM
96-12-8	1,2-Dibromo-3-chloropropane	ND		13	40	µg/L	20	6/15/2010 10:24:07 PM
124-48-1	Dibromochloromethane	ND		7.1	20	µg/L	20	6/15/2010 10:24:07 PM
74-95-3	Dibromomethane	ND		7.0	20	µg/L	20	6/15/2010 10:24:07 PM
95-50-1	1,2-Dichlorobenzene	ND		8.0	20	µg/L	20	6/15/2010 10:24:07 PM
541-73-1	1,3-Dichlorobenzene	ND		8.7	20	µg/L	20	6/15/2010 10:24:07 PM
106-46-7	1,4-Dichlorobenzene	ND		7.1	20	µg/L	20	6/15/2010 10:24:07 PM
75-71-8	Dichlorodifluoromethane	ND		17	20	µg/L	20	6/15/2010 10:24:07 PM
75-34-3	1,1-Dichloroethane	60		8.2	20	µg/L	20	6/15/2010 10:24:07 PM
75-35-4	1,1-Dichloroethene	ND		7.0	20	µg/L	20	6/15/2010 10:24:07 PM
78-87-5	1,2-Dichloropropane	ND		8.6	20	µg/L	20	6/15/2010 10:24:07 PM
142-28-9	1,3-Dichloropropane	ND		7.9	20	µg/L	20	6/15/2010 10:24:07 PM
594-20-7	2,2-Dichloropropane	ND		6.2	40	µg/L	20	6/15/2010 10:24:07 PM
563-58-6	1,1-Dichloropropene	ND		7.8	20	µg/L	20	6/15/2010 10:24:07 PM
87-68-3	Hexachlorobutadiene	ND		12	20	µg/L	20	6/15/2010 10:24:07 PM

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quanititation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

CLIENT: Cypress Engineering
Lab Order: 1006481
Project: TWP WT-1 ERP
Lab ID: 1006481-02

Client Sample ID: MW-18
Collection Date: 6/13/2010 9:15:00 AM
Date Received: 6/15/2010
Matrix: AQUEOUS

Analyses		Result	Qual	MDL	PQL	Units	DF	Date Analyzed
CAS #	**EPA METHOD 8260B: VOLATILES**							Analyst: **MMS**
591-78-6	2-Hexanone	ND		27	200	µg/L	20	6/15/2010 10:24:07 PM
98-82-8	Isopropylbenzene	ND		7.9	20	µg/L	20	6/15/2010 10:24:07 PM
99-87-6	4-Isopropyltoluene	ND		7.7	20	µg/L	20	6/15/2010 10:24:07 PM
108-10-1	4-Methyl-2-pentanone	ND		36	200	µg/L	20	6/15/2010 10:24:07 PM
75-09-2	Methylene Chloride	ND		9.8	60	µg/L	20	6/15/2010 10:24:07 PM
104-51-8	n-Butylbenzene	ND		8.4	20	µg/L	20	6/15/2010 10:24:07 PM
103-65-1	n-Propylbenzene	ND		8.7	20	µg/L	20	6/15/2010 10:24:07 PM
135-98-8	sec-Butylbenzene	ND		8.2	20	µg/L	20	6/15/2010 10:24:07 PM
100-42-5	Styrene	ND		6.9	20	µg/L	20	6/15/2010 10:24:07 PM
98-06-6	tert-Butylbenzene	ND		9.1	20	µg/L	20	6/15/2010 10:24:07 PM
630-20-6	1,1,1,2-Tetrachloroethane	ND		8.0	20	µg/L	20	6/15/2010 10:24:07 PM
79-34-5	1,1,2,2-Tetrachloroethane	ND		9.4	40	µg/L	20	6/15/2010 10:24:07 PM
127-18-4	Tetrachloroethene (PCE)	ND		6.9	20	µg/L	20	6/15/2010 10:24:07 PM
156-60-5	trans-1,2-DCE	ND		8.6	20	µg/L	20	6/15/2010 10:24:07 PM
10061-02-6	trans-1,3-Dichloropropene	ND		8.8	20	µg/L	20	6/15/2010 10:24:07 PM
`7-61-6	1,2,3-Trichlorobenzene	ND		11	20	µg/L	20	6/15/2010 10:24:07 PM
)-82-1	1,2,4-Trichlorobenzene	ND		8.9	20	µg/L	20	6/15/2010 10:24:07 PM
. I-55-6	1,1,1-Trichloroethane	ND		8.2	20	µg/L	20	6/15/2010 10:24:07 PM
79-00-5	1,1,2-Trichloroethane	ND		6.7	20	µg/L	20	6/15/2010 10:24:07 PM
79-01-6	Trichloroethene (TCE)	29		9.1	20	µg/L	20	6/15/2010 10:24:07 PM
75-69-4	Trichlorofluoromethane	ND		9.5	20	µg/L	20	6/15/2010 10:24:07 PM
96-18-4	1,2,3-Trichloropropane	ND		9.3	40	µg/L	20	6/15/2010 10:24:07 PM
75-01-4	Vinyl chloride	7.2	J	6.6	20	µg/L	20	6/15/2010 10:24:07 PM
1330-20-7	Xylenes, Total	ND		31	30	µg/L	20	6/15/2010 10:24:07 PM
17060-07-0	Surr: 1,2-Dichloroethane-d4	72.7		0	54.6-141	%REC	20	6/15/2010 10:24:07 PM
460-00-4	Surr: 4-Bromofluorobenzene	90.7		0	60.1-133	%REC	20	6/15/2010 10:24:07 PM
1868-53-7	Surr: Dibromofluoromethane	78.3	S	0	78.5-130	%REC	20	6/15/2010 10:24:07 PM
2037-26-5	Surr: Toluene-d8	94.7		0	79.5-126	%REC	20	6/15/2010 10:24:07 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-7
Lab Order:	1006481	**Collection Date:**	6/13/2010 9:25:00 AM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Toluene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Ethylbenzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Naphthalene	ND	2.0		µg/L	1	6/15/2010 10:52:08 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/15/2010 10:52:08 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/15/2010 10:52:08 PM
Acetone	ND	10		µg/L	1	6/15/2010 10:52:08 PM
Bromobenzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Bromoform	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Bromomethane	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
2-Butanone	ND	10		µg/L	1	6/15/2010 10:52:08 PM
Carbon disulfide	ND	10		µg/L	1	6/15/2010 10:52:08 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Chlorobenzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Chloroethane	ND	2.0		µg/L	1	6/15/2010 10:52:08 PM
Chloroform	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Chloromethane	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
cis-1,2-DCE	34	1.0		µg/L	1	6/15/2010 10:52:08 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/15/2010 10:52:08 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Dibromomethane	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,1-Dichloroethane	29	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,1-Dichloroethene	1.2	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/15/2010 10:52:08 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/15/2010 10:52:08 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

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-7
Lab Order:	1006481	**Collection Date:**	6/13/2010 9:25:00 AM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	6/15/2010 10:52:08 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/15/2010 10:52:08 PM
Methylene Chloride	ND	3.0		µg/L	1	6/15/2010 10:52:08 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Styrene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/15/2010 10:52:08 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Trichloroethene (TCE)	7.3	1.0		µg/L	1	6/15/2010 10:52:08 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/15/2010 10:52:08 PM
Vinyl chloride	ND	1.0		µg/L	1	6/15/2010 10:52:08 PM
Xylenes, Total	ND	1.5		µg/L	1	6/15/2010 10:52:08 PM
Surr: 1,2-Dichloroethane-d4	77.9	54.6-141		%REC	1	6/15/2010 10:52:08 PM
Surr: 4-Bromofluorobenzene	91.7	60.1-133		%REC	1	6/15/2010 10:52:08 PM
Surr: Dibromofluoromethane	84.4	78.5-130		%REC	1	6/15/2010 10:52:08 PM
Surr: Toluene-d8	97.3	79.5-126		%REC	1	6/15/2010 10:52:08 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

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-8
Lab Order:	1006481	**Collection Date:**	6/13/2010 10:10:00 AM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	3.6	1.0		µg/L	1	6/15/2010 11:20:15 PM
Toluene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
Ethylbenzene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,2-Dichloroethane (EDC)	1.0	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
Naphthalene	ND	2.0		µg/L	1	6/15/2010 11:20:15 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/15/2010 11:20:15 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/15/2010 11:20:15 PM
Acetone	ND	10		µg/L	1	6/15/2010 11:20:15 PM
Bromobenzene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
Bromoform	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
Bromomethane	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
2-Butanone	ND	10		µg/L	1	6/15/2010 11:20:15 PM
Carbon disulfide	ND	10		µg/L	1	6/15/2010 11:20:15 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
Chlorobenzene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
Chloroethane	ND	2.0		µg/L	1	6/15/2010 11:20:15 PM
Chloroform	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
Chloromethane	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
cis-1,2-DCE	57	1.0		µg/L	1	6/15/2010 11:20:15 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/15/2010 11:20:15 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
Dibromomethane	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,2-Dichlorobenzene	1.3	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,1-Dichloroethane	55	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,1-Dichloroethene	3.2	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/15/2010 11:20:15 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/15/2010 11:20:15 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

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-8
Lab Order:	1006481	**Collection Date:**	6/13/2010 10:10:00 AM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	6/15/2010 11:20:15 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/15/2010 11:20:15 PM
Methylene Chloride	ND	3.0		µg/L	1	6/15/2010 11:20:15 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
Styrene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/15/2010 11:20:15 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
Trichloroethene (TCE)	28	1.0		µg/L	1	6/15/2010 11:20:15 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/15/2010 11:20:15 PM
Vinyl chloride	ND	1.0		µg/L	1	6/15/2010 11:20:15 PM
Xylenes, Total	ND	1.5		µg/L	1	6/15/2010 11:20:15 PM
Surr: 1,2-Dichloroethane-d4	77.3	54.6-141		%REC	1	6/15/2010 11:20:15 PM
Surr: 4-Bromofluorobenzene	90.5	60.1-133		%REC	1	6/15/2010 11:20:15 PM
Surr: Dibromofluoromethane	82.2	78.5-130		%REC	1	6/15/2010 11:20:15 PM
Surr: Toluene-d8	94.6	79.5-126		%REC	1	6/15/2010 11:20:15 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

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-6
Lab Order:	1006481	**Collection Date:**	6/13/2010 11:05:00 AM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Toluene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Ethylbenzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Naphthalene	ND	2.0		µg/L	1	6/15/2010 11:48:18 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/15/2010 11:48:18 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/15/2010 11:48:18 PM
Acetone	ND	10		µg/L	1	6/15/2010 11:48:18 PM
Bromobenzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Bromoform	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Bromomethane	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
2-Butanone	ND	10		µg/L	1	6/15/2010 11:48:18 PM
Carbon disulfide	ND	10		µg/L	1	6/15/2010 11:48:18 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Chlorobenzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Chloroethane	ND	2.0		µg/L	1	6/15/2010 11:48:18 PM
Chloroform	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Chloromethane	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
cis-1,2-DCE	2.7	1.0		µg/L	1	6/15/2010 11:48:18 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/15/2010 11:48:18 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Dibromomethane	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,1-Dichloroethane	3.6	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/15/2010 11:48:18 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/15/2010 11:48:18 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

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-6
Lab Order:	1006481	**Collection Date:**	6/13/2010 11:05:00 AM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	6/15/2010 11:48:18 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/15/2010 11:48:18 PM
Methylene Chloride	ND	3.0		µg/L	1	6/15/2010 11:48:18 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Styrene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/15/2010 11:48:18 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Trichloroethene (TCE)	6.2	1.0		µg/L	1	6/15/2010 11:48:18 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/15/2010 11:48:18 PM
Vinyl chloride	ND	1.0		µg/L	1	6/15/2010 11:48:18 PM
Xylenes, Total	ND	1.5		µg/L	1	6/15/2010 11:48:18 PM
Surr: 1,2-Dichloroethane-d4	86.9	54.6-141		%REC	1	6/15/2010 11:48:18 PM
Surr: 4-Bromofluorobenzene	90.6	60.1-133		%REC	1	6/15/2010 11:48:18 PM
Surr: Dibromofluoromethane	92.2	78.5-130		%REC	1	6/15/2010 11:48:18 PM
Surr: Toluene-d8	93.1	79.5-126		%REC	1	6/15/2010 11:48:18 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

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-17
Lab Order:	1006481	**Collection Date:**	6/13/2010 12:45:00 PM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Toluene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Ethylbenzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Naphthalene	ND	2.0		µg/L	1	6/16/2010 12:16:23 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/16/2010 12:16:23 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/16/2010 12:16:23 AM
Acetone	ND	10		µg/L	1	6/16/2010 12:16:23 AM
Bromobenzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Bromoform	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Bromomethane	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
2-Butanone	ND	10		µg/L	1	6/16/2010 12:16:23 AM
Carbon disulfide	ND	10		µg/L	1	6/16/2010 12:16:23 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Chlorobenzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Chloroethane	ND	2.0		µg/L	1	6/16/2010 12:16:23 AM
Chloroform	1.2	1.0		µg/L	1	6/16/2010 12:16:23 AM
Chloromethane	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/16/2010 12:16:23 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Dibromomethane	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,1-Dichloroethane	1.1	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,1-Dichloroethene	1.2	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/16/2010 12:16:23 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/16/2010 12:16:23 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: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-17
Lab Order:	1006481	**Collection Date:**	6/13/2010 12:45:00 PM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	6/16/2010 12:16:23 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/16/2010 12:16:23 AM
Methylene Chloride	ND	3.0		µg/L	1	6/16/2010 12:16:23 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Styrene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/16/2010 12:16:23 AM
Tetrachloroethene (PCE)	1.8	1.0		µg/L	1	6/16/2010 12:16:23 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/16/2010 12:16:23 AM
Vinyl chloride	ND	1.0		µg/L	1	6/16/2010 12:16:23 AM
Xylenes, Total	ND	1.5		µg/L	1	6/16/2010 12:16:23 AM
Surr: 1,2-Dichloroethane-d4	77.0	54.6-141		%REC	1	6/16/2010 12:16:23 AM
Surr: 4-Bromofluorobenzene	88.6	60.1-133		%REC	1	6/16/2010 12:16:23 AM
Surr: Dibromofluoromethane	79.7	78.5-130		%REC	1	6/16/2010 12:16:23 AM
Surr: Toluene-d8	94.1	79.5-126		%REC	1	6/16/2010 12:16:23 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: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-14
Lab Order:	1006481	**Collection Date:**	6/13/2010 1:15:00 PM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Toluene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Ethylbenzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Naphthalene	ND	2.0		µg/L	1	6/16/2010 12:44:30 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/16/2010 12:44:30 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/16/2010 12:44:30 AM
Acetone	ND	10		µg/L	1	6/16/2010 12:44:30 AM
Bromobenzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Bromoform	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Bromomethane	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
2-Butanone	ND	10		µg/L	1	6/16/2010 12:44:30 AM
Carbon disulfide	ND	10		µg/L	1	6/16/2010 12:44:30 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Chlorobenzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Chloroethane	ND	2.0		µg/L	1	6/16/2010 12:44:30 AM
Chloroform	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Chloromethane	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
cis-1,2-DCE	1.8	1.0		µg/L	1	6/16/2010 12:44:30 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/16/2010 12:44:30 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Dibromomethane	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,1-Dichloroethane	16	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/16/2010 12:44:30 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/16/2010 12:44:30 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: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-14
Lab Order:	1006481	**Collection Date:**	6/13/2010 1:15:00 PM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	6/16/2010 12:44:30 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/16/2010 12:44:30 AM
Methylene Chloride	ND	3.0		µg/L	1	6/16/2010 12:44:30 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Styrene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/16/2010 12:44:30 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Trichloroethene (TCE)	2.4	1.0		µg/L	1	6/16/2010 12:44:30 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/16/2010 12:44:30 AM
Vinyl chloride	ND	1.0		µg/L	1	6/16/2010 12:44:30 AM
Xylenes, Total	ND	1.5		µg/L	1	6/16/2010 12:44:30 AM
Surr: 1,2-Dichloroethane-d4	84.0	54.6-141		%REC	1	6/16/2010 12:44:30 AM
Surr: 4-Bromofluorobenzene	92.6	60.1-133		%REC	1	6/16/2010 12:44:30 AM
Surr: Dibromofluoromethane	91.9	78.5-130		%REC	1	6/16/2010 12:44:30 AM
Surr: Toluene-d8	92.1	79.5-126		%REC	1	6/16/2010 12:44:30 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: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-4
Lab Order:	1006481	**Collection Date:**	6/13/2010 1:50:00 PM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Toluene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Ethylbenzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Naphthalene	ND	2.0		µg/L	1	6/16/2010 1:12:33 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/16/2010 1:12:33 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/16/2010 1:12:33 AM
Acetone	ND	10		µg/L	1	6/16/2010 1:12:33 AM
Bromobenzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Bromoform	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Bromomethane	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
2-Butanone	ND	10		µg/L	1	6/16/2010 1:12:33 AM
Carbon disulfide	ND	10		µg/L	1	6/16/2010 1:12:33 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Chlorobenzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Chloroethane	ND	2.0		µg/L	1	6/16/2010 1:12:33 AM
Chloroform	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Chloromethane	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/16/2010 1:12:33 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Dibromomethane	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/16/2010 1:12:33 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/16/2010 1:12:33 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: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-4
Lab Order:	1006481	**Collection Date:**	6/13/2010 1:50:00 PM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	6/16/2010 1:12:33 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/16/2010 1:12:33 AM
Methylene Chloride	ND	3.0		µg/L	1	6/16/2010 1:12:33 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Styrene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/16/2010 1:12:33 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/16/2010 1:12:33 AM
Vinyl chloride	ND	1.0		µg/L	1	6/16/2010 1:12:33 AM
Xylenes, Total	ND	1.5		µg/L	1	6/16/2010 1:12:33 AM
Surr: 1,2-Dichloroethane-d4	84.1	54.6-141		%REC	1	6/16/2010 1:12:33 AM
Surr: 4-Bromofluorobenzene	92.6	60.1-133		%REC	1	6/16/2010 1:12:33 AM
Surr: Dibromofluoromethane	88.5	78.5-130		%REC	1	6/16/2010 1:12:33 AM
Surr: Toluene-d8	97.0	79.5-126		%REC	1	6/16/2010 1:12:33 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: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	SVE-1A
Lab Order:	1006481	**Collection Date:**	6/13/2010 3:45:00 PM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	62	10		µg/L	10	6/16/2010 1:40:40 AM
Toluene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
Ethylbenzene	31	10		µg/L	10	6/16/2010 1:40:40 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,2,4-Trimethylbenzene	36	10		µg/L	10	6/16/2010 1:40:40 AM
1,3,5-Trimethylbenzene	39	10		µg/L	10	6/16/2010 1:40:40 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	6/16/2010 1:40:40 AM
Naphthalene	ND	20		µg/L	10	6/16/2010 1:40:40 AM
1-Methylnaphthalene	ND	40		µg/L	10	6/16/2010 1:40:40 AM
2-Methylnaphthalene	ND	40		µg/L	10	6/16/2010 1:40:40 AM
Acetone	ND	100		µg/L	10	6/16/2010 1:40:40 AM
Bromobenzene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
Bromodichloromethane	ND	10		µg/L	10	6/16/2010 1:40:40 AM
Bromoform	ND	10		µg/L	10	6/16/2010 1:40:40 AM
Bromomethane	ND	10		µg/L	10	6/16/2010 1:40:40 AM
2-Butanone	ND	100		µg/L	10	6/16/2010 1:40:40 AM
Carbon disulfide	ND	100		µg/L	10	6/16/2010 1:40:40 AM
Carbon Tetrachloride	ND	10		µg/L	10	6/16/2010 1:40:40 AM
Chlorobenzene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
Chloroethane	ND	20		µg/L	10	6/16/2010 1:40:40 AM
Chloroform	ND	10		µg/L	10	6/16/2010 1:40:40 AM
Chloromethane	ND	10		µg/L	10	6/16/2010 1:40:40 AM
2-Chlorotoluene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
4-Chlorotoluene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
cis-1,2-DCE	27	10		µg/L	10	6/16/2010 1:40:40 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	6/16/2010 1:40:40 AM
Dibromochloromethane	ND	10		µg/L	10	6/16/2010 1:40:40 AM
Dibromomethane	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
Dichlorodifluoromethane	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,1-Dichloroethane	55	10		µg/L	10	6/16/2010 1:40:40 AM
1,1-Dichloroethene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,2-Dichloropropane	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,3-Dichloropropane	ND	10		µg/L	10	6/16/2010 1:40:40 AM
2,2-Dichloropropane	ND	20		µg/L	10	6/16/2010 1:40:40 AM
1,1-Dichloropropene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
Hexachlorobutadiene	ND	10		µg/L	10	6/16/2010 1:40:40 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: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	SVE-1A
Lab Order:	1006481	**Collection Date:**	6/13/2010 3:45:00 PM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	100		µg/L	10	6/16/2010 1:40:40 AM
Isopropylbenzene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
4-Isopropyltoluene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	6/16/2010 1:40:40 AM
Methylene Chloride	ND	30		µg/L	10	6/16/2010 1:40:40 AM
n-Butylbenzene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
n-Propylbenzene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
sec-Butylbenzene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
Styrene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
tert-Butylbenzene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	6/16/2010 1:40:40 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	6/16/2010 1:40:40 AM
trans-1,2-DCE	ND	10		µg/L	10	6/16/2010 1:40:40 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	6/16/2010 1:40:40 AM
Trichloroethene (TCE)	16	10		µg/L	10	6/16/2010 1:40:40 AM
Trichlorofluoromethane	ND	10		µg/L	10	6/16/2010 1:40:40 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	6/16/2010 1:40:40 AM
Vinyl chloride	ND	10		µg/L	10	6/16/2010 1:40:40 AM
Xylenes, Total	20	15		µg/L	10	6/16/2010 1:40:40 AM
Surr: 1,2-Dichloroethane-d4	82.0	54.6-141		%REC	10	6/16/2010 1:40:40 AM
Surr: 4-Bromofluorobenzene	91.7	60.1-133		%REC	10	6/16/2010 1:40:40 AM
Surr: Dibromofluoromethane	82.9	78.5-130		%REC	10	6/16/2010 1:40:40 AM
Surr: Toluene-d8	92.7	79.5-126		%REC	10	6/16/2010 1:40:40 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: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-15
Lab Order:	1006481	**Collection Date:**	6/13/2010 3:15:00 PM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Toluene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Ethylbenzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Naphthalene	ND	2.0		µg/L	1	6/16/2010 2:08:44 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/16/2010 2:08:44 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/16/2010 2:08:44 AM
Acetone	ND	10		µg/L	1	6/16/2010 2:08:44 AM
Bromobenzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Bromoform	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Bromomethane	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
2-Butanone	ND	10		µg/L	1	6/16/2010 2:08:44 AM
Carbon disulfide	ND	10		µg/L	1	6/16/2010 2:08:44 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Chlorobenzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Chloroethane	ND	2.0		µg/L	1	6/16/2010 2:08:44 AM
Chloroform	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Chloromethane	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/16/2010 2:08:44 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Dibromomethane	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,1-Dichloroethane	1.4	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,1-Dichloroethene	1.3	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/16/2010 2:08:44 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/16/2010 2:08:44 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: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-15
Lab Order:	1006481	**Collection Date:**	6/13/2010 3:15:00 PM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	6/16/2010 2:08:44 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/16/2010 2:08:44 AM
Methylene Chloride	ND	3.0		µg/L	1	6/16/2010 2:08:44 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Styrene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/16/2010 2:08:44 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,1,1-Trichloroethane	1.0	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/16/2010 2:08:44 AM
Vinyl chloride	ND	1.0		µg/L	1	6/16/2010 2:08:44 AM
Xylenes, Total	ND	1.5		µg/L	1	6/16/2010 2:08:44 AM
Surr: 1,2-Dichloroethane-d4	74.7	54.6-141		%REC	1	6/16/2010 2:08:44 AM
Surr: 4-Bromofluorobenzene	88.0	60.1-133		%REC	1	6/16/2010 2:08:44 AM
Surr: Dibromofluoromethane	78.0	78.5-130	S	%REC	1	6/16/2010 2:08:44 AM
Surr: Toluene-d8	91.5	79.5-126		%REC	1	6/16/2010 2:08:44 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: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-16
Lab Order:	1006481	**Collection Date:**	6/13/2010 3:50:00 PM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Toluene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Ethylbenzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Naphthalene	ND	2.0		µg/L	1	6/16/2010 2:36:46 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/16/2010 2:36:46 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/16/2010 2:36:46 AM
Acetone	ND	10		µg/L	1	6/16/2010 2:36:46 AM
Bromobenzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Bromoform	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Bromomethane	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
2-Butanone	ND	10		µg/L	1	6/16/2010 2:36:46 AM
Carbon disulfide	ND	10		µg/L	1	6/16/2010 2:36:46 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Chlorobenzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Chloroethane	ND	2.0		µg/L	1	6/16/2010 2:36:46 AM
Chloroform	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Chloromethane	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/16/2010 2:36:46 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Dibromomethane	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/16/2010 2:36:46 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/16/2010 2:36:46 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: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-16
Lab Order:	1006481	**Collection Date:**	6/13/2010 3:50:00 PM
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	6/16/2010 2:36:46 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/16/2010 2:36:46 AM
Methylene Chloride	ND	3.0		µg/L	1	6/16/2010 2:36:46 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Styrene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/16/2010 2:36:46 AM
Tetrachloroethene (PCE)	3.7	1.0		µg/L	1	6/16/2010 2:36:46 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/16/2010 2:36:46 AM
Vinyl chloride	ND	1.0		µg/L	1	6/16/2010 2:36:46 AM
Xylenes, Total	ND	1.5		µg/L	1	6/16/2010 2:36:46 AM
Surr: 1,2-Dichloroethane-d4	74.9	54.6-141		%REC	1	6/16/2010 2:36:46 AM
Surr: 4-Bromofluorobenzene	85.7	60.1-133		%REC	1	6/16/2010 2:36:46 AM
Surr: Dibromofluoromethane	78.6	78.5-130		%REC	1	6/16/2010 2:36:46 AM
Surr: Toluene-d8	92.6	79.5-126		%REC	1	6/16/2010 2:36:46 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: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	TRIP BLANK
Lab Order:	1006481	**Collection Date:**	
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-12	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Toluene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Ethylbenzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Naphthalene	ND	2.0		µg/L	1	6/16/2010 3:04:52 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/16/2010 3:04:52 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/16/2010 3:04:52 AM
Acetone	ND	10		µg/L	1	6/16/2010 3:04:52 AM
Bromobenzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Bromoform	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Bromomethane	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
2-Butanone	ND	10		µg/L	1	6/16/2010 3:04:52 AM
Carbon disulfide	ND	10		µg/L	1	6/16/2010 3:04:52 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Chlorobenzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Chloroethane	ND	2.0		µg/L	1	6/16/2010 3:04:52 AM
Chloroform	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Chloromethane	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/16/2010 3:04:52 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Dibromomethane	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/16/2010 3:04:52 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/16/2010 3:04:52 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: *17-Jun-10*

CLIENT:	Cypress Engineering	**Client Sample ID:**	TRIP BLANK
Lab Order:	1006481	**Collection Date:**	
Project:	TWP WT-1 ERP	**Date Received:**	6/15/2010
Lab ID:	1006481-12	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	6/16/2010 3:04:52 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/16/2010 3:04:52 AM
Methylene Chloride	ND	3.0		µg/L	1	6/16/2010 3:04:52 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Styrene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/16/2010 3:04:52 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/16/2010 3:04:52 AM
Vinyl chloride	ND	1.0		µg/L	1	6/16/2010 3:04:52 AM
Xylenes, Total	ND	1.5		µg/L	1	6/16/2010 3:04:52 AM
Surr: 1,2-Dichloroethane-d4	76.4	54.6-141		%REC	1	6/16/2010 3:04:52 AM
Surr: 4-Bromofluorobenzene	92.1	60.1-133		%REC	1	6/16/2010 3:04:52 AM
Surr: Dibromofluoromethane	81.1	78.5-130		%REC	1	6/16/2010 3:04:52 AM
Surr: Toluene-d8	94.7	79.5-126		%REC	1	6/16/2010 3:04:52 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: TWP WT-1 ERP **Work Order:** 1006481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1006481-03a msd		*MSD*				Batch ID:	R39279	Analysis Date:		6/16/2010 4:01:21 AM	
Benzene	17.66	µg/L	1.0	20	0.5918	85.4	75.7	118	2.81	15	
Toluene	20.48	µg/L	1.0	20	0	102	80.1	114	0.0996	15	
Chlorobenzene	20.49	µg/L	1.0	20	0	102	81.5	112	1.22	15	
1,1-Dichloroethene	18.45	µg/L	1.0	20	1.246	86.0	77.4	132	5.11	17.8	
Trichloroethene (TCE)	15.36	µg/L	1.0	20	7.289	40.4	61.1	121	3.58	19.8	S
Sample ID: 5ml rb		*MBLK*				Batch ID:	R39279	Analysis Date:		6/15/2010 9:15:30 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	1.0								
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	1.0								
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

:nt: Cypress Engineering
. oject: TWP WT-1 ERP **Work Order:** 1006481

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: **R39279**		Analysis Date:	6/15/2010 9:15:30 AM		
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								
`3-Trichlorobenzene	ND	µg/L	1.0								
·Trichlorobenzene	ND	µg/L	1.0								
,ı-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: b4		*MBLK*				Batch ID: **R39279**		Analysis Date:	6/15/2010 7:34:48 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	1.0								

lfiers:

_	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 WT-1 ERP **Work Order:** 1006481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*				**Batch ID: R39279**		**Analysis Date: 6/15/2010 7:34:48 PM**			
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	1.0								
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	1.019	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								

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

nt: Cypress Engineering
ject: TWP WT-1 ERP **Work Order:** 1006481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*				Batch ID:	**R39279**	Analysis Date:	6/15/2010 7:34:48 PM		
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:	**R39279**	Analysis Date:	6/15/2010 10:11:42 AM		
Benzene	20.58	µg/L	1.0	20	0	103	82.4	116			
Toluene	20.95	µg/L	1.0	20	0	105	89.5	123			
Chlorobenzene	20.32	µg/L	1.0	20	0	102	87.8	120			
1,1-Dichloroethene	22.76	µg/L	1.0	20	0	114	90.3	138			
Trichloroethene (TCE)	19.33	µg/L	1.0	20	0	96.6	64	129			
Sample ID: 1006481-03a ms		*MS*				Batch ID:	**R39279**	Analysis Date:	6/16/2010 3:33:06 AM		
Benzene	18.17	µg/L	1.0	20	0.5918	87.9	75.7	118			
Toluene	20.50	µg/L	1.0	20	0	102	80.1	114			
Chlorobenzene	20.24	µg/L	1.0	20	0	101	81.5	112			
1,1-Dichloroethene	19.41	µg/L	1.0	20	1.246	90.8	77.4	132			
Trichloroethene (TCE)	15.92	µg/L	1.0	20	7.289	43.2	61.1	121			S

lifiers:

	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: **6/15/2010**

Work Order Number **1006481** Received by: **TLS**

Checklist completed by: _____ 6/15/10 Sample ID labels checked by: TS

Signature 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 ☐		Number of preserved bottles checked for pH:	
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 ☑	*<2 >12 unless noted below.*	
Container/Temp Blank temperature?	**1.2°**	*<6° C Acceptable* If given sufficient time to cool.			

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

_____

_____

_____

_____

Corrective Action _____

_____

_____

Cl[illegible]-of-Custody Record

Client: Cypress Engineering Services
7171 Hwy 6 North Ste 102
Mailing Address: Houston, TX 77007

Phone #: 281.797.3421
email or Fax#: 281.859.1881

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

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: Transwestern Pipeline Company WT-1 ERP

Project #: TNP WT-1 ERP

Project Manager: George Robinson

Sampler: Sandy Sharp

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.0

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1004[illegible]
6/13/10	1115	W	MW-5	3/40ml	Acl	1
	0915		MW-18			2
	0925		MW-7			3
	1010		MW-8			4
	1105		MW-6			5
	1245		MW-17			6
	1315		MW-14			7
	1350		MW-4			8
	1545		SVE-1A			9
	1515		MW-15			10
	1550		MW-16			11
—	—		TRIP BLANK	2/40ml		12

Analysis Request

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) VOC's*	8270 (Semi-VOA)						Air Bubbles (Y or N)
									X							
									1							

Date	Time	Relinquished by:	Received by:	Date	Time
6/14/10	1130			6/15/10	845
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:
* 8260 VOC's Including: 1,2-Dichloroethene (cis- & trans-), Acetone, Methyl Ethyl Ketone, 4-Methyl-2-Pentanone and (o-, m- & p-) Dichlorobenzene

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.