GW - 109

MONITORING REPORTS

DATE:
2/07/2005

Cypress Engineering

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

February 7, 2005

Mr. Roger Anderson
Environmental Bureau
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Report of Groundwater Remediation Activities
Transwestern Pipeline Company - WT-1 Station Dehy Area
Lea County, New Mexico

Dear Roger,

The enclosed Report of Groundwater Remediation Activities is submitted for your review and files.

If you have any questions or comments regarding this report, please contact me at (713) 345-1537 or Larry Campbell at (505) 625-8022.

Sincerely,

George C. Robinson, PE
President/Principal Engineer

xc w/attachment: Larry Campbell — Transwestern Pipeline Company
Larry Johnson — NMOCD Hobbs District Office

USGS **42 km E of Carlsbad, New Mexico, United States** 22 Oct 1996

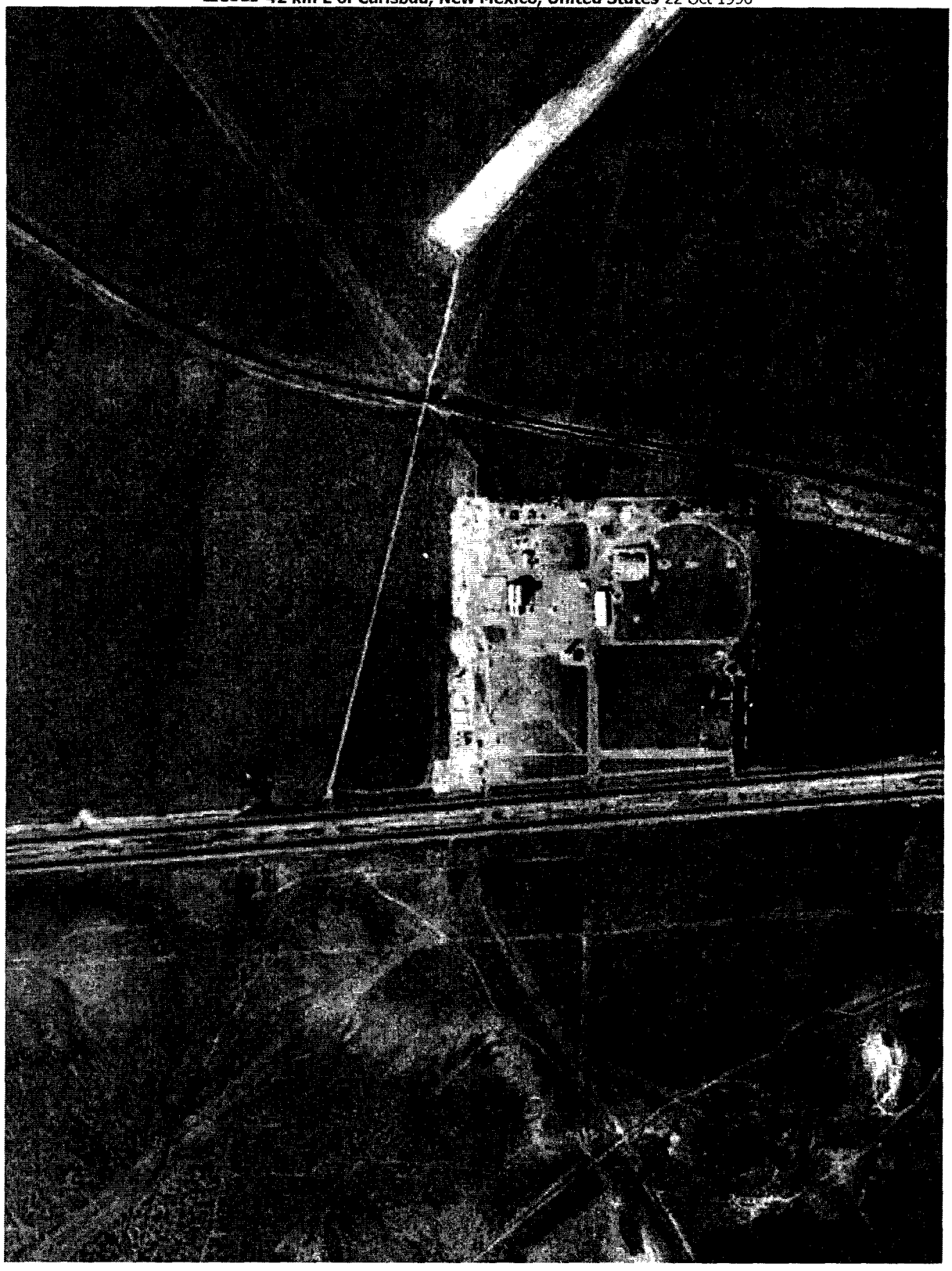


Image courtesy of the U.S. Geological Survey

USGS **42 km E of Carlsbad, New Mexico, United States** 01 Jul 1985

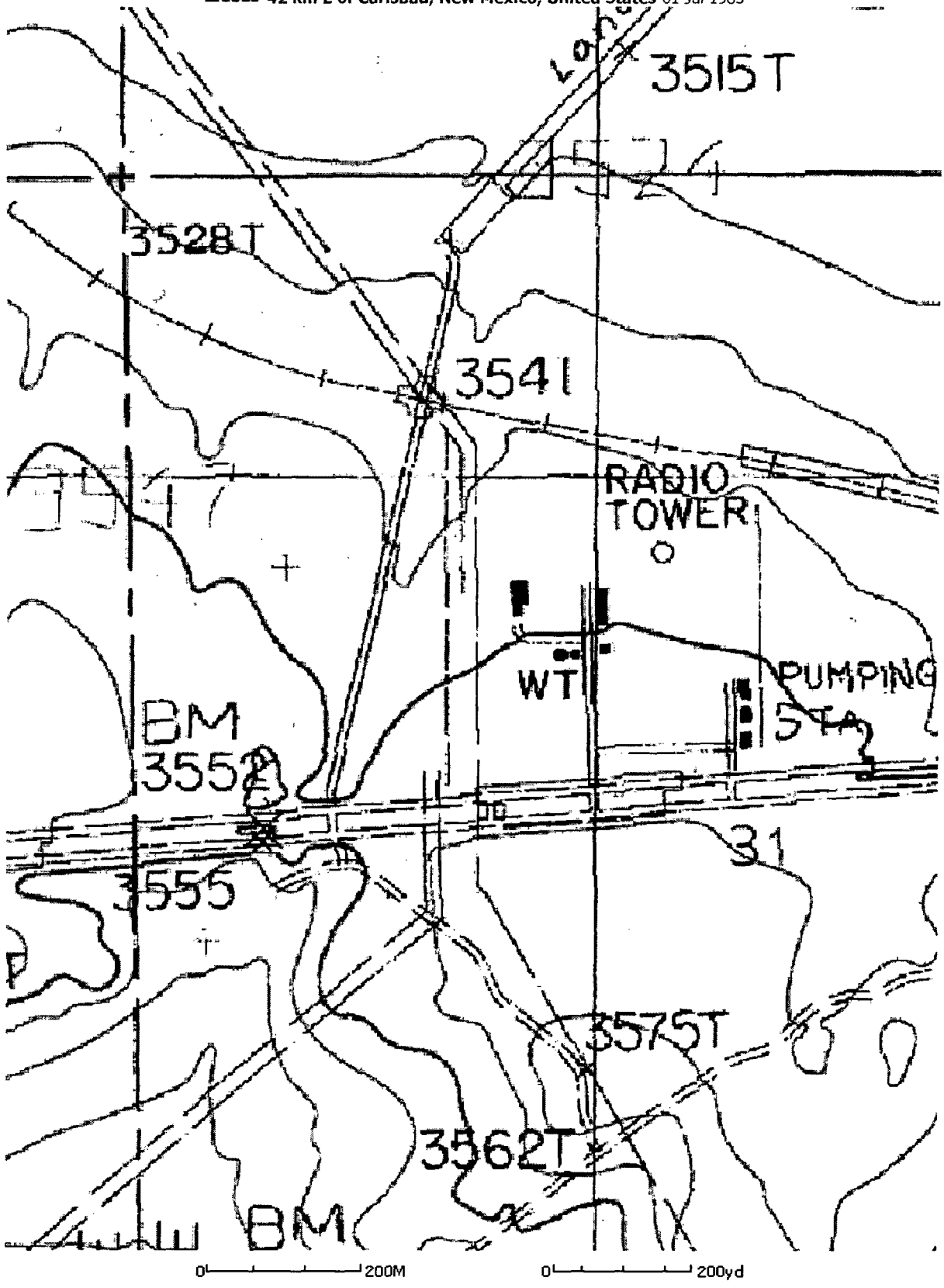


Image courtesy of the U.S. Geological Survey

S31/T20S/R32E

↑ AUSTIN

USGS **42 km E of Carlsbad, New Mexico, United States** 22 Oct 1996

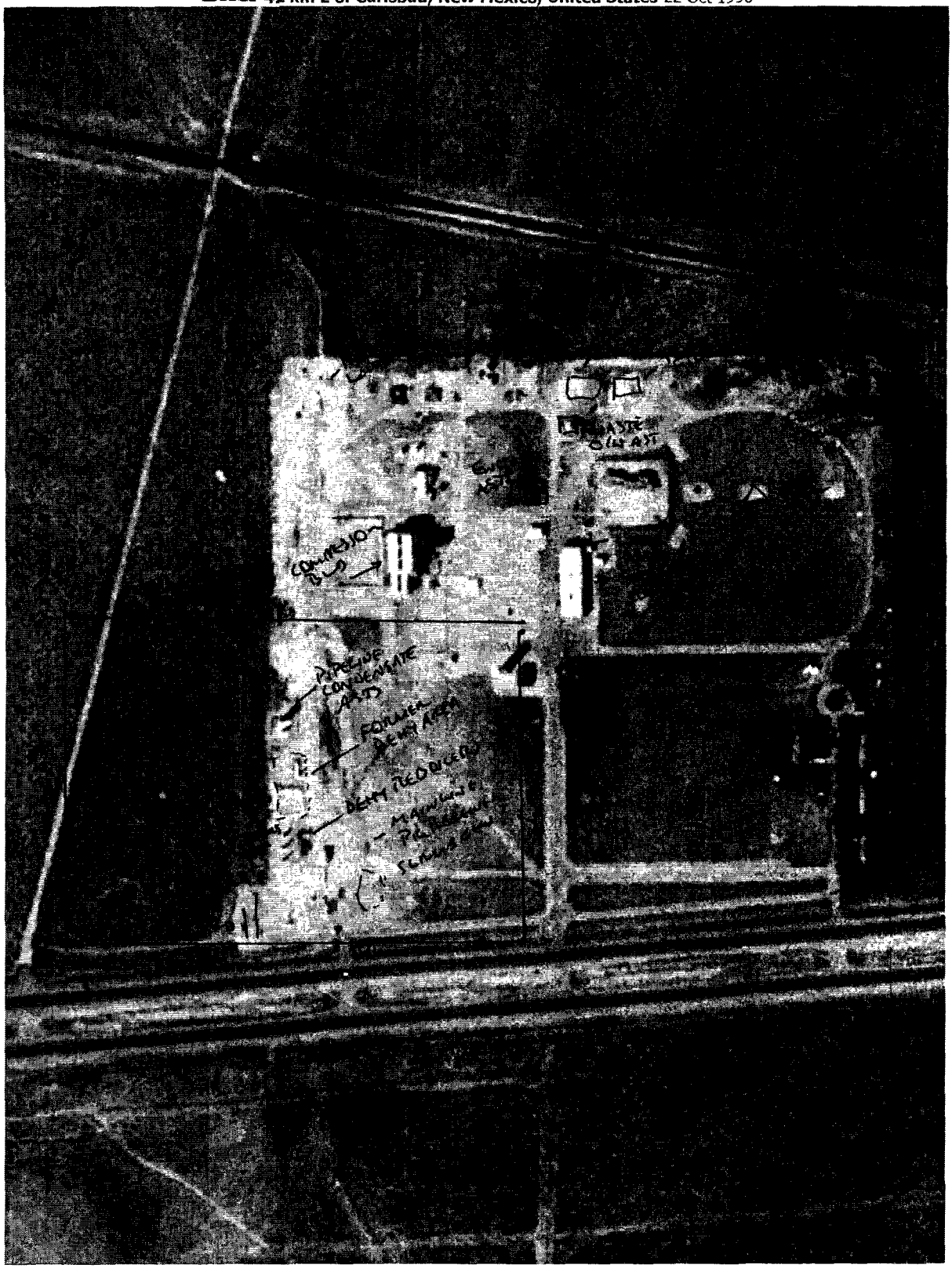


Image courtesy of the U.S. Geological Survey

RECEIVED

FEB 14 2005

Oil Conservation Division
Environmental Bureau

Report of Groundwater Remediation Activities

Transwestern Pipeline Company
WT-1 Compressor Station Dehy Area
Lea County, New Mexico

Submitted to:
New Mexico Oil Conservation Division

February 7, 2005

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. Groundwater Monitoring Activities

1.1 Semi-Annual Groundwater Sampling Events

Two semi-annual groundwater-sampling events have been completed since the last report of remediation activities. These events were completed on May 24, 2004 and November 9, 2004.

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 SVE wells are presented in Table 2.

Groundwater samples were collected from selected monitoring wells at the site. Samples were not collected from wells with accumulated PSH in the well casing. Groundwater samples were delivered to a laboratory for analysis for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B. A summary of the laboratory results and field-measured parameters is presented in Table 3. A copy of the laboratory results for each of the sampling events is included as an appendix to this report.

1.2 Results/Conclusions from Groundwater Sampling Events

1.2.1 Occurrence and Direction of Groundwater Flow

A water table elevation map based on measurements obtained in the course of the November 9, 2004 sampling event is included as Figure 3. The apparent direction of groundwater flow is consistent with water table elevation maps previously developed for this site.

1.2.2 Lateral Extent of Phase Separated Hydrocarbon

The lateral extent of PSH is presently defined by the occurrence of PSH at the water table in monitor well MW-10 and wells SVE-5, SVE-10, SVE-11, and SVE-12. Based on the information currently available, the volume and lateral extent of PSH in the area appears to be relatively limited. A figure indicating the estimated area with PSH present at the water table is included as Figure 4.

1.2.3 Condition of Affected Groundwater

The condition of affected groundwater has not changed significantly from previous sampling events as evidenced by the information presented in Table 3 and Figure 5. The three monitor wells downgradient of the release area continue to yield groundwater samples that are non-detect for BTEX constituents. Monitor well MW-9, located about 200 feet upgradient of the release area, also yielded samples that are non-detect for BTEX constituents.

2. Status of Remediation Activities

2.1 Remediation Activities Completed through December 2004

The following remediation activities were completed since the last report of remediation activities:

1) Two groundwater-sampling events were completed.
2) SVE system vapor samples were collected on April 20, 2004 and August 30, 2004. A summary of the laboratory results is presented in Table 4.
3) Operation of the SVE system is limited to the warmer weather months. Condensed water collecting in the SVE conveyance lines during cold weather made the system ineffective, therefore, the system was shut-down in December 2004. The SVE system is scheduled to restart in April 2005.

2.2 Remediation Activities Planned for January 2005 through December 2005

Semi-annual groundwater sampling will continue and the SVE system is scheduled to operate from April 2005 through October 2005.

3. Proposed Modifications

3.1 Modifications to the Routine Groundwater Sampling Plan

Sampling location, frequency and the sampling analysis plan will continue on a semi-annual basis. A summary of the sample analysis plan is presented in Table 6.

3.2 Reporting Frequency

Annual reporting will continue with the next scheduled report being submitted to the OCD by February 28, 2006.

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

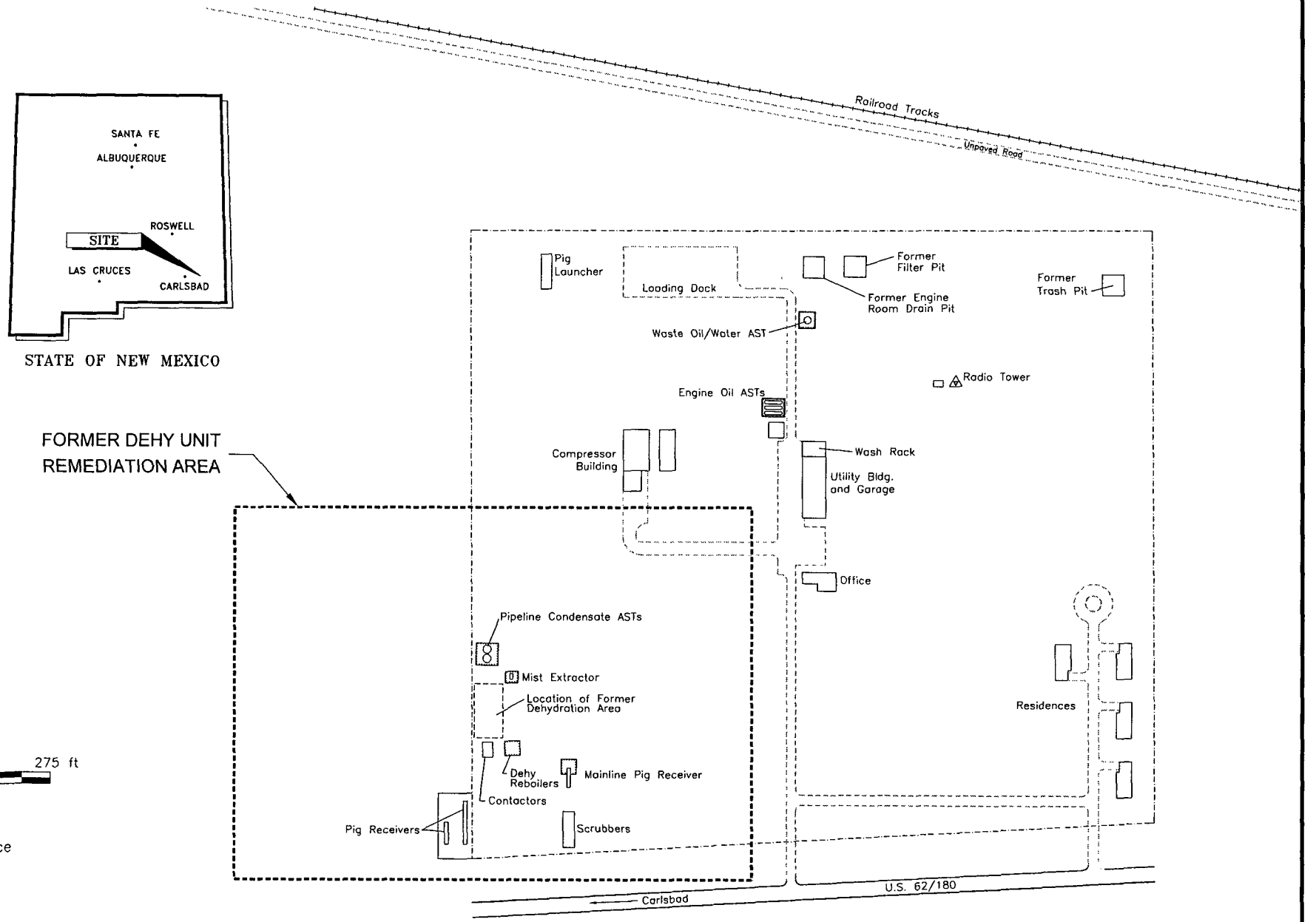


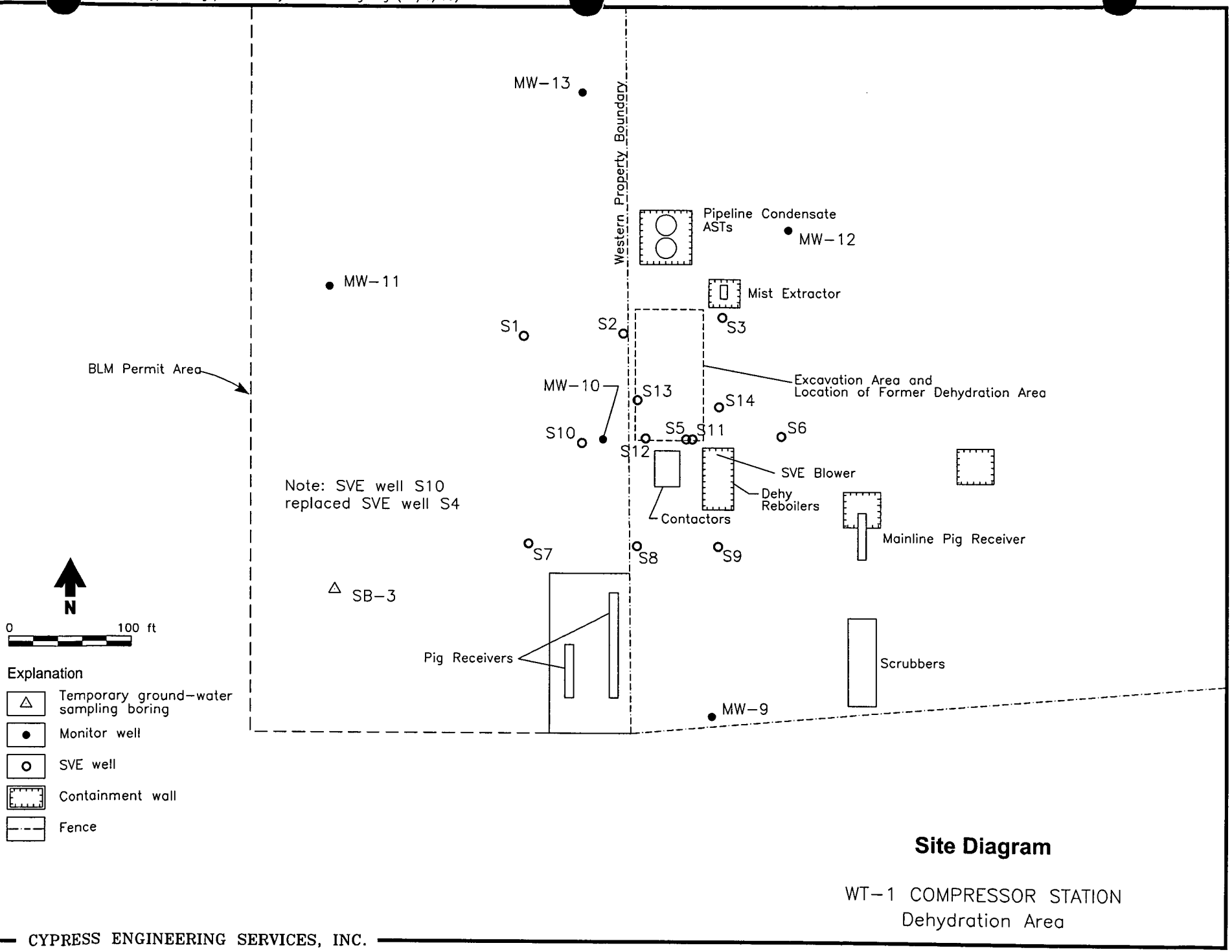
FIGURE 1

Facility Site Map

WT-1 COMPRESSOR STATION
TRANSWESTERN PIPELINE COMPANY

CYPRESS ENGINEERING SERVICES, INC.

f:/.../proje.../wt-1 dehy/drawings/wt-1 dehy site drawing.dwg (02/8/05)



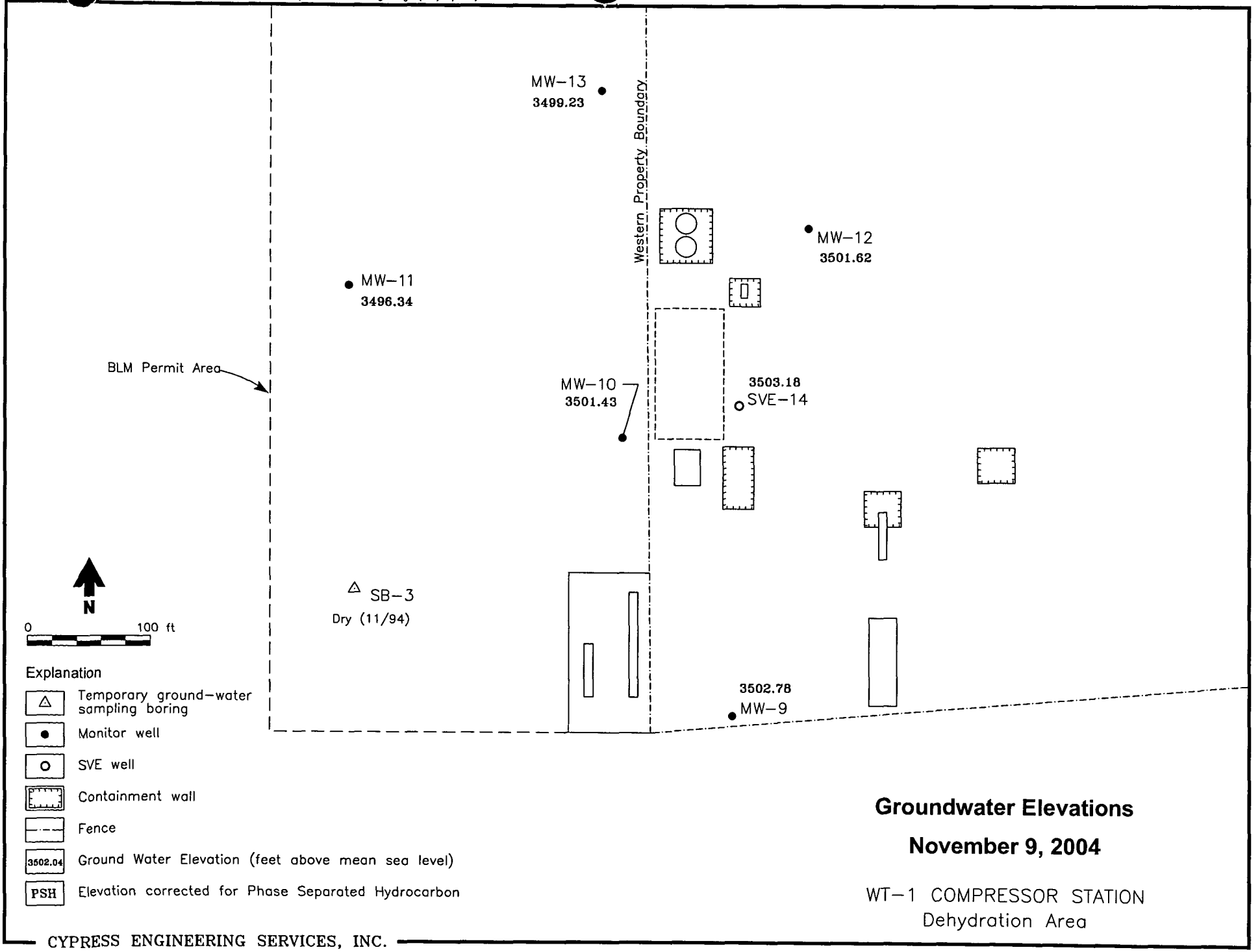
Site Diagram

WT-1 COMPRESSOR STATION
Dehydration Area

Figure 2

CYPRESS ENGINEERING SERVICES, INC.

f:/.../proj w/wt-1 dehy/drawings/wt-1 dehy site drawing.dwg (02/8/05)



Groundwater Elevations

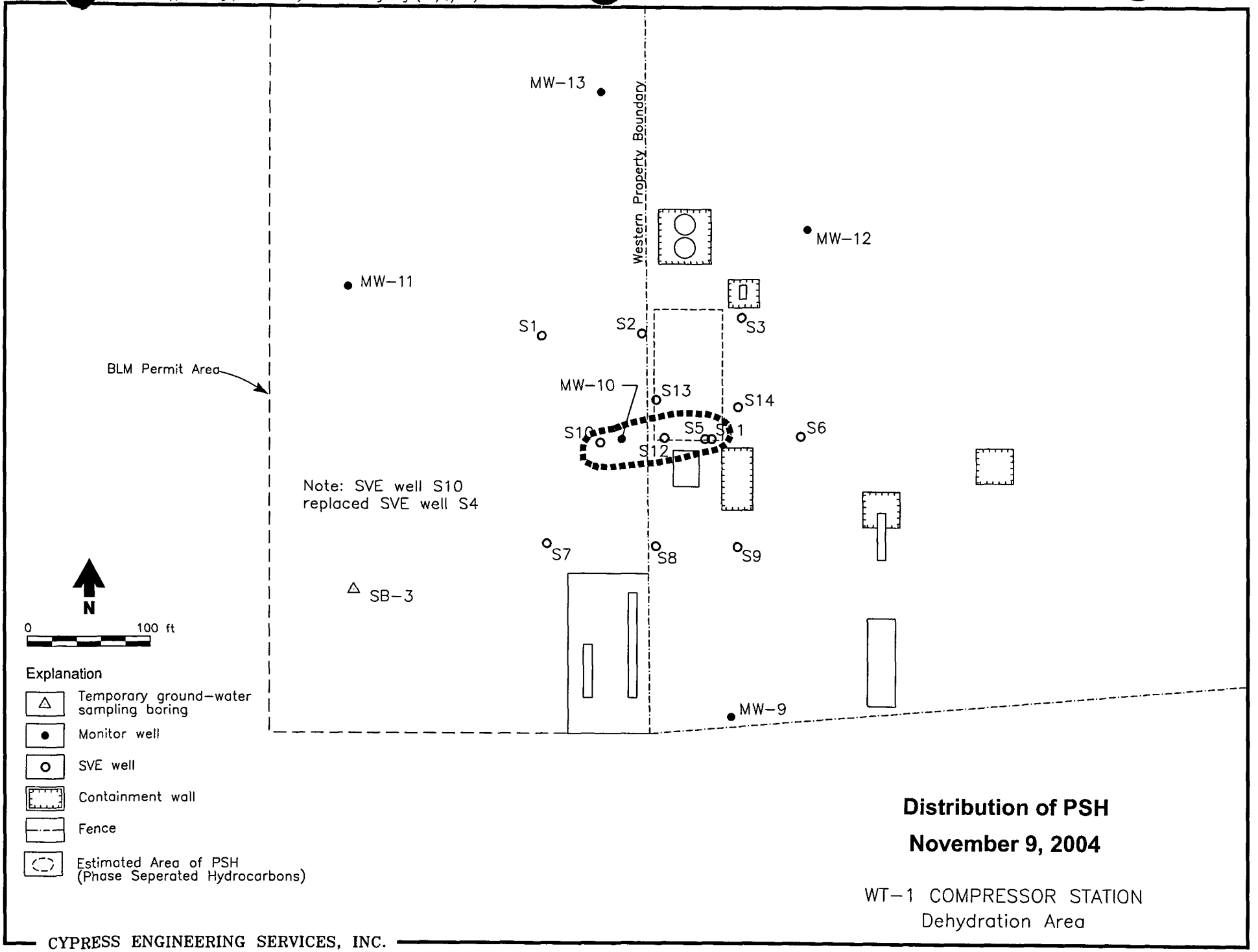
November 9, 2004

WT-1 COMPRESSOR STATION
Dehydration Area

CYPRESS ENGINEERING SERVICES, INC.

Figure 3

f:/.../proj w/wt-1 dehy/drawings/wt-1 dehy site drawing.dwg (02/8/05)



Distribution of PSH

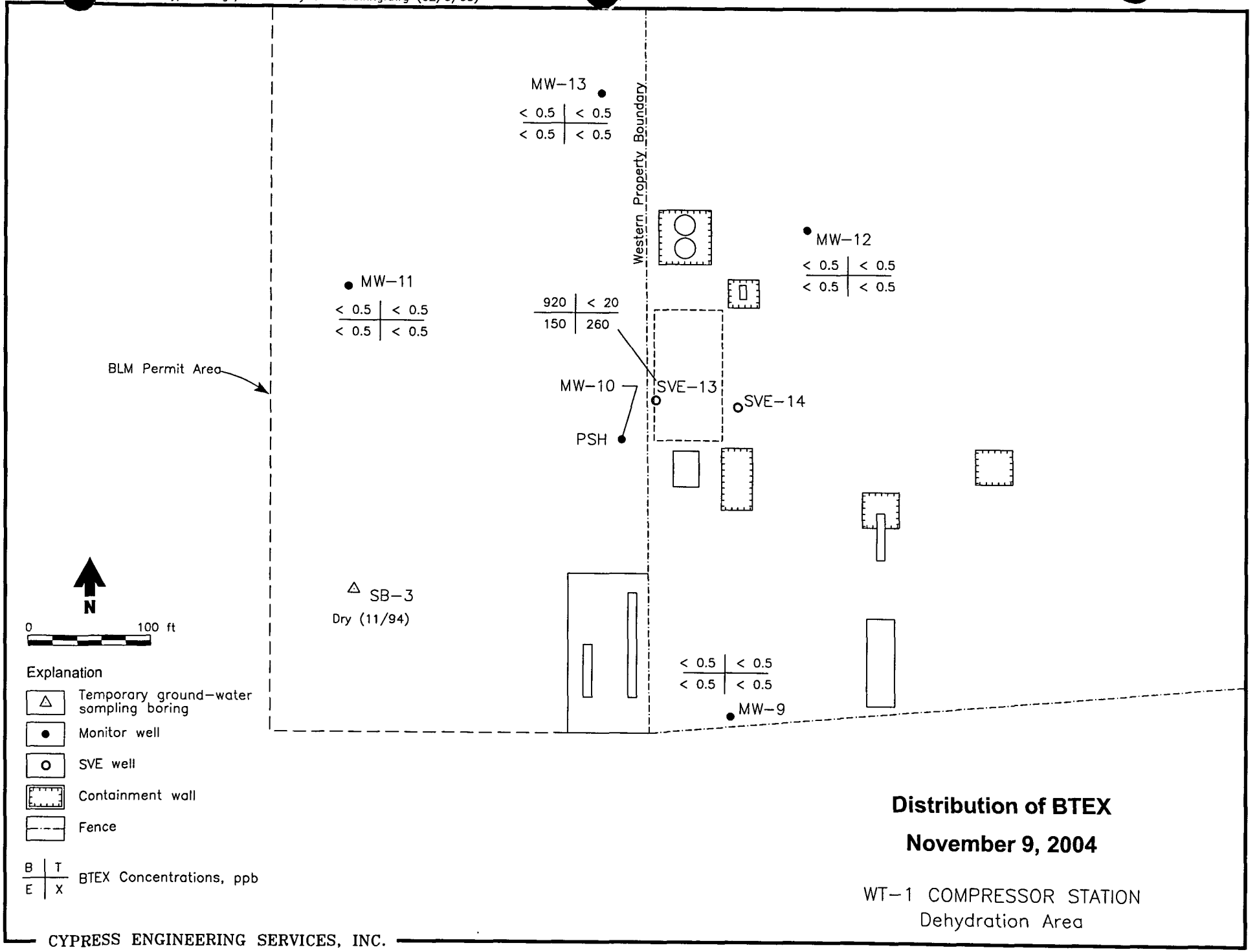
November 9, 2004

WT-1 COMPRESSOR STATION
Dehydration Area

CYPRESS ENGINEERING SERVICES, INC.

Figure 4

f:/.../proj...w/wt-1 dehy/drawings/wt-1 dehy site drawing.dwg (02/8/05)



Distribution of BTEX

November 9, 2004

WT-1 COMPRESSOR STATION
Dehydration Area

Figure 5

CYPRESS ENGINEERING SERVICES, INC.

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-9	11/21/94	3557.31 (b)	(a)	55.14	(a)	3502.17
	11/21/95		(a)	55.67	(a)	3501.64
	02/22/96		(a)	55.27	(a)	3502.04
	05/14/96		(a)	55.18	(a)	3502.13
	08/12/96		(a)	55.53	(a)	3501.78
	11/12/96		(a)	55.25	(a)	3502.06
	02/05/97		(a)	55.20	(a)	3502.11
	08/05/97		(a)	55.25	(a)	3502.06
	12/29/97		(a)	55.19	(a)	3502.12
	02/23/98*		(a)	54.71	(a)	3502.60
	08/05/98*		(a)	54.72	(a)	3502.59
	08/27/98		(a)	54.64	(a)	3502.67
	02/11/99*		(a)	55.63	(a)	3501.68
	08/11/99*		(a)	55.15	(a)	3502.16
	02/13/00*		(a)	54.66	(a)	3502.65
	08/21/00*		(a)	54.82	(a)	3502.49
	02/17/01*		(a)	54.95	(a)	3502.36
	08/15/01		(a)	54.42	(a)	3502.89
	02/27/02*		(a)	54.40	(a)	3502.91
	07/31/02*		(a)	54.32	(a)	3502.99
	02/13/03*		(a)	54.47	(a)	3502.84
	08/04/03*		(a)	54.32	(a)	3502.99
	05/24/04*		(a)	54.52	(a)	3502.79
	11/09/04*		(a)	54.53	(a)	3502.78

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-10	11/18/94	3553.45 (b)	(a)	52.63	(a)	3500.82
	11/21/95		52.31	54.21	1.90	3500.76
	02/22/96		52.08	53.75	1.67	3501.04
	05/14/96		51.93	53.58	1.65	3501.19
	08/12/96		52.25	53.40	1.15	3500.97
	11/12/96		52.48	52.82	0.34	3500.90
	02/05/97		52.57	52.98	0.41	3500.80
	08/05/97		52.38	53.08	0.70	3500.93
	08/07/97		52.39	52.72	0.33	3500.99
	08/29/97		52.15	52.57	0.42	3501.22
	12/29/97		53.51	53.62	0.11	3499.92
	02/23/98*		(a)	53.42	(a)	3500.03
	08/27/98		(a)	51.65	(a)	3501.80
	02/11/99*		(a)	52.50	(a)	3500.95
	06/15/99		54.05	54.24	0.19	3499.36
	07/13/99		54.15	54.25	0.10	3499.28
	07/22/99		53.58	54.00	0.42	3499.79
	08/11/99*	3554.31 (c)	53.57	53.62	0.05	3500.73
	09/02/99		(a)	53.54	(a)	3499.91
	09/14/99		(a)	53.60	(a)	3499.85
	09/28/99		(a)	53.85	(a)	3499.60
	10/07/99		(a)	53.71	(a)	3499.74
	10/26/99		(a)	53.63	(a)	3499.82
	11/11/99		(a)	53.28	(a)	3500.17
	11/30/99		(a)	52.76	(a)	3500.69
	12/14/99		(a)	53.08	(a)	3500.37
	12/30/99		(a)	52.65	(a)	3500.80
	01/13/00		(a)	53.10	(a)	3500.35
	02/03/00		(a)	53.39	(a)	3500.06
	02/13/00*		(a)	52.81	(a)	3500.64
	03/06/00		(a)	53.18	(a)	3500.27
	04/20/00		(a)	55.19	(a)	3498.26
	05/11/00		(a)	54.14	(a)	3499.31
	05/25/00		53.66	53.98	0.32	3500.59
	06/08/00		(a)	58.24	(a)	3495.21
	06/22/00		(a)	54.35	(a)	3499.10
	07/13/00		(a)	53.82	(a)	3499.63
	07/27/00		(a)	53.48	(a)	3499.97
	08/03/00		(a)	53.10	(a)	3500.35
	08/21/00*		52.95	53.15	0.20	3501.32
	09/19/00		52.98	53.30	0.32	3501.27
	09/28/00		(a)	52.94	(a)	3500.51
	11/03/00		52.68	52.97	0.29	3501.57
	11/16/00		(a)	52.69	(a)	3500.76
	12/06/00		52.80	53.11	0.31	3501.45

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
	01/25/01		52.51	52.96	0.45	3501.71
	02/17/01*		52.76	53.11	0.35	3501.48
	02/23/01		52.30	52.76	0.46	3501.92
	03/30/01		52.48	52.49	0.01	3501.83
	08/15/01		(a)	52.37	(a)	3501.08
	02/27/02*		52.22	52.32	0.10	3502.07
	07/31/02*		52.03	52.37	0.34	3502.21
	02/13/03*		52.09	52.41	0.32	3502.16
	08/04/03*		51.87	52.32	0.45	3502.35
	05/24/04*		51.87	52.52	0.65	3502.31
	11/09/04*		(a)	52.02	sheen	3501.43

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-11	11/21/94	3547.84 (b)	(a)	DRY	(a)	DRY
	11/21/95		(a)	58.10	(a)	3489.74
	02/22/96		(a)	56.70	(a)	3491.14
	05/14/96		(a)	57.33	(a)	3490.51
	08/12/96		(a)	56.96	(a)	3490.88
	11/12/96		(a)	56.66	(a)	3491.18
	02/05/97		(a)	57.09	(a)	3490.75
	08/05/97		(a)	54.93	(a)	3492.91
	12/29/97		(a)	54.53	(a)	3493.31
	02/23/98*		(a)	53.97	(a)	3493.87
	08/05/98*		(a)	54.37	(a)	3493.47
	08/27/98		(a)	57.48	(a)	3490.36
	02/11/99*		(a)	53.11	(a)	3494.73
	08/11/99*		(a)	52.67	(a)	3495.17
	02/13/00*		(a)	52.20	(a)	3495.64
	08/21/00*		(a)	52.34	(a)	3495.50
	02/17/01*		(a)	52.38	(a)	3495.46
	08/15/01		(a)	52.06	(a)	3495.78
	02/27/02*		(a)	52.01	(a)	3495.83
	07/31/02*		(a)	51.79	(a)	3496.05
	02/13/03*		(a)	51.65	(a)	3496.19
	08/04/03*		(a)	51.54	(a)	3496.30
	05/24/04*		(a)	51.39	(a)	3496.45
	11/09/04*		(a)	51.50	(a)	3496.34

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-12	11/17/94	3551.19 (b)	(a)	49.31	(a)	3501.88
	11/21/95		(a)	50.49	(a)	3500.70
	02/22/96		(a)	50.13	(a)	3501.06
	05/14/96		(a)	49.96	(a)	3501.23
	08/12/96		(a)	50.31	(a)	3500.88
	11/12/96		(a)	50.41	(a)	3500.78
	02/05/97		(a)	50.53	(a)	3500.66
	08/05/97		(a)	50.39	(a)	3500.80
	12/29/97		(a)	50.35	(a)	3500.84
	02/23/98*		(a)	50.26	(a)	3500.93
	08/05/98*		(a)	50.22	(a)	3500.97
	08/27/98		(a)	49.94	(a)	3501.25
	02/11/99*		(a)	49.87	(a)	3501.32
	08/11/99*		(a)	50.29	(a)	3500.90
	02/13/00*		(a)	49.62	(a)	3501.57
	08/21/00*		(a)	50.28	(a)	3500.91
	02/17/01*		(a)	50.06	(a)	3501.13
	08/15/01		(a)	49.61	(a)	3501.58
	02/27/02*		(a)	49.45	(a)	3501.74
	07/31/02*		(a)	49.43	(a)	3501.76
	02/13/03*		(a)	49.41	(a)	3501.78
	08/04/03*		(a)	49.36	(a)	3501.83
	05/24/04*		(a)	49.45	(a)	3501.74
	11/09/04*		(a)	49.57	(a)	3501.62

Table 1. Summary of Groundwater Surface Elevations
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
MW-13	12/01/94	3547.78 (b)	(a)	49.70	(a)	3498.08
	11/21/95		(a)	49.55	(a)	3498.23
	02/22/96		(a)	49.27	(a)	3498.51
	05/14/96		(a)	49.15	(a)	3498.63
	08/12/96		(a)	49.40	(a)	3498.38
	11/12/96		(a)	49.42	(a)	3498.36
	02/05/97		(a)	49.40	(a)	3498.38
	08/05/97		(a)	49.37	(a)	3498.41
	12/29/97		(a)	49.50	(a)	3498.28
	02/23/98*		(a)	49.35	(a)	3498.43
	08/05/98*		(a)	49.41	(a)	3498.37
	08/27/98		(a)	49.20	(a)	3498.58
	02/11/99*		(a)	49.12	(a)	3498.66
	08/11/99*		(a)	49.43	(a)	3498.35
	02/13/00*		(a)	49.05	(a)	3498.73
	08/21/00*		(a)	49.40	(a)	3498.38
	02/17/01*		(a)	49.22	(a)	3498.56
	08/15/01		(a)	48.98	(a)	3498.80
	02/27/02*		(a)	48.85	(a)	3498.93
	07/31/02*		(a)	48.62	(a)	3499.16
	02/13/03*		(a)	48.52	(a)	3499.26
	08/04/03*		(a)	48.40	(a)	3499.38
	05/24/04*		(a)	48.35	(a)	3499.43
	11/09/04*		(a)	48.55	(a)	3499.23

NOTES:
PSH - Phase separated hydrocarbon
Corrections to ground water surface elevation for presence of hydrocarbon is calculated assuming a specific gravity of
(a) Not applicable since no measurable thickness of hydrocarbon is present
(b) Survey by John West Engineering, Hobbs, NM dated 11/94
(c) Survey by Cypress Engineering, Houston, TX dated 08/11/99

Table 2. Summary of Groundwater Surface Elevations at SVE Wells
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-1	05/14/96	3551.22 (e)	(a)	51.01	(a)	3500.21
	08/06/97		(a)	49.09	(a)	3502.13
	02/11/99*		(a)	51.52	(a)	3499.70
	08/11/99*		(a)	52.17	(a)	3499.05
	02/13/00*		(a)	51.32	(a)	3499.90
	08/21/00*		(a)	51.85	(a)	3499.37
	02/17/01*		(a)	51.55	(a)	3499.67
	08/15/01		(a)	51.17	(a)	3500.05
	02/27/02*		(a)	50.90	(a)	3500.32
	07/31/02*		(a)	50.79	(a)	3500.43
	02/13/03*		(a)	50.71	(a)	3500.51
	08/04/03*		(a)	50.63	(a)	3500.59
	05/24/04*		(a)	50.80	(a)	3500.42
	11/09/04*		(a)	50.73	(a)	3500.49
SVE-2	05/14/96	3551.96 (e)	50.63	51.38	0.75	3501.18
	08/06/97		50.95	52.15	1.20	3500.77
	08/07/97		50.93	51.64	0.71	3500.89
	08/29/97		50.75	51.16	0.41	3501.13
	12/29/97		51.02	51.76	0.74	3500.79
	06/26/98		(a)	50.87	(a)	3501.09
	07/13/98		(a)	50.87	(a)	3501.09
	02/11/99*		(a)	50.15	(a)	3501.81
	08/11/99*		(a)	51.26	(a)	3500.70
	02/13/00*		(a)	50.57	(a)	3501.39
	08/21/00*		(a)	50.68	(a)	3501.28
	02/17/01*		(a)	50.55	(a)	3501.41
	08/15/01		(a)	50.07	(a)	3501.89
	07/31/02*		(a)	49.81	(a)	3502.15
	02/13/03*		(a)	49.89	(a)	3502.07
	08/04/03*		(a)	49.68	(a)	3502.28
	05/24/04*		(a)	49.70	(a)	3502.26
	11/09/04*		(a)	49.85	(a)	3502.11
SVE-3	05/14/96	3552.75 (e)	(a)	50.95	(a)	3501.80
	08/06/97		(a)	47.70	(a)	3505.05
	12/29/97		(a)	51.44	(a)	3501.31
	02/11/99*		(a)	46.45	(a)	3506.30
	08/11/99*		(a)	51.03	(a)	3501.72
	02/13/00*		(a)	51.17	(a)	3501.58
	02/17/01*		(a)	51.08	(a)	3501.67
	08/15/01		(a)	50.87	(a)	3501.88
	02/27/02*		(a)	50.61	(a)	3502.14
	07/31/02*		(a)	50.57	(a)	3502.18
	02/13/03*		(a)	50.56	(a)	3502.19
	08/04/03*		(a)	50.46	(a)	3502.29
	05/24/04*		--	--	--	--
	11/09/04*		--	--	--	--

Table 2. Summary of Groundwater Surface Elevations at SVE Wells
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-4	05/14/96	3553.03 (d)	51.91	53.67	1.76	3500.77
	08/06/97		50.56	52.24	1.68	3502.13
	08/07/97		52.84	53.39	0.55	3500.08
	08/29/97		50.50	51.74	1.24	3502.28
	12/29/97		52.02	53.04	1.02	3500.81
	06/26/98		50.58	52.30	1.72	3502.11
	07/13/98		50.52	52.30	1.78	3502.15
	07/24/98		50.38	51.80	1.42	3502.37
	09/23/98		50.11	51.31	1.20	3502.68
	01/07/99		50.70	51.36	0.66	3502.20
	01/27/99		50.65	51.18	0.53	3502.27
SVE-5	05/14/96	3554.39 (e)	51.34	--	--	(a)
	08/06/97		45.69	49.30	3.61	3507.98
	08/07/97		50.22	51.08	0.86	3504.00
	08/29/97		45.00	48.59	3.59	3508.67
	12/29/97		51.83	--	--	(a)
	08/26/98		44.65	47.10	2.45	3509.25
	01/17/99		46.20	46.60	0.40	3508.11
	02/11/99*		44.87	45.10	0.23	3509.47
	06/15/99		<52.05	<52.05	na	na
	07/15/99		<52.05	<52.05	na	na
	08/13/99		<52.05	<52.05	na	na
	09/14/99		<52.05	<52.05	na	na
	10/07/99		<52.05	<52.05	na	na
	11/16/99		<52.05	<52.05	na	na
	12/16/99		<52.05	<52.05	na	na
	01/25/00		(a)	52.08	(a)	3502.31
	02/03/00		(a)	51.23	(a)	3503.16
	02/13/00*		(a)	51.08	(a)	3503.31
	02/17/01*		(a)	48.08	(a)	3506.31
	08/15/01		(a)	50.68	(a)	3503.71
	02/27/02*		(a)	50.53	(a)	3503.86
	07/31/02*		(a)	51.96	(a)	3502.43
	02/13/03*		51.85	52.06	0.21	3502.50
	08/04/03*		52.90	53.56	0.66	3501.36
	05/24/04*		51.90	52.13	0.23	3502.44
	11/09/04*		51.99	to TD @ 52.14	--	--
SVE-6	05/14/96	3553.74 (e)	(a)	54.30	(a)	3499.44
	08/06/97		(a)	49.75	(a)	3503.99
	02/11/99*		(a)	52.05	(a)	3501.69
	08/11/99*		(a)	52.59	(a)	3501.15
	02/13/00*		(a)	51.95	(a)	3501.79
	02/17/01*		(a)	51.88	(a)	3501.86
	08/15/01		(a)	51.36	(a)	3502.38
	02/27/02*		(a)	51.22	(a)	3502.52
	07/31/02*		(a)	51.03	(a)	3502.71
	02/13/03*		(a)	51.16	(a)	3502.58
	08/04/03*		(a)	50.88	(a)	3502.86
	05/24/04*		(a)	51.18	(a)	3502.56
	11/09/04*		(a)	50.99	(a)	3502.75

Table 2. Summary of Groundwater Surface Elevations at SVE Wells
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-7	05/14/96	3553.81 (e)	(a)	53.89	(a)	3499.92
	08/06/97		(a)	51.40	(a)	3502.41
	12/29/97		(a)	54.14	(a)	3499.67
	02/11/99*		(a)	53.65	(a)	3500.16
	08/11/99*		(a)	54.18	(a)	3499.63
	02/13/00*		(a)	53.37	(a)	3500.44
	08/21/00*		(a)	53.98	(a)	3499.83
	02/17/01*		(a)	53.64	(a)	3500.17
	08/15/01		(a)	53.28	(a)	3500.53
	02/27/02*		(a)	52.93	(a)	3500.88
	07/31/02*		(a)	52.87	(a)	3500.94
	02/13/03*		(a)	52.71	(a)	3501.10
	08/04/03*		(a)	52.61	(a)	3501.20
	05/24/04*		(a)	52.63	(a)	3501.18
	11/09/04*		(a)	52.70	(a)	3501.11
SVE-8	05/14/96	3555.25 (e)	(a)	53.55	(a)	3501.70
	08/06/97		(a)	51.72	(a)	3503.53
	12/29/97		(a)	54.07	(a)	3501.18
	02/11/99*		(a)	53.06	(a)	3502.19
	08/11/99*		(a)	54.02	(a)	3501.23
	02/13/00*		(a)	53.33	(a)	3501.92
	08/21/00*		(a)	53.57	(a)	3501.68
	02/17/01*		(a)	53.34	(a)	3501.91
	08/15/01		(a)	53.08	(a)	3502.17
	02/27/02*		(a)	52.94	(a)	3502.31
	07/31/02*		(a)	52.83	(a)	3502.42
	02/13/03*		(a)	52.86	(a)	3502.39
	08/04/03*		(a)	52.73	(a)	3502.52
	05/24/04*		(a)	52.74	(a)	3502.51
	11/09/04*		(a)	52.87	(a)	3502.38
SVE-9	05/14/96	3555.36 (e)	(a)	54.13	(a)	3501.23
	08/06/97		(a)	50.06	(a)	3505.30
	02/11/99*		(a)	50.97	(a)	3504.39
	08/11/99*		(a)	54.39	(a)	3500.97
	02/13/00*		(a)	53.65	(a)	3501.71
	08/21/00*		(a)	54.22	(a)	3501.14
	02/17/01*		(a)	53.57	(a)	3501.79
	08/15/01		(a)	53.14	(a)	3502.22
	02/27/02*		(a)	53.01	(a)	3502.35
	07/31/02*		(a)	52.78	(a)	3502.58
	02/13/03*		(a)	52.88	(a)	3502.48
	08/04/03*		(a)	52.63	(a)	3502.73
	05/24/04*		(a)	52.81	(a)	3502.55
	11/09/04*		(a)	52.78	(a)	3502.58

Table 2. Summary of Groundwater Surface Elevations at SVE Wells
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-10	06/04/99	3554.40 (e)	52.86	52.88	0.02	3501.54
	06/29/99		53.25	53.32	0.07	3501.14
	07/08/99		51.63	51.70	0.07	3502.76
	07/27/99		51.23	51.41	0.18	3503.13
	08/11/99*		53.12	53.32	0.20	3501.24
	08/26/99		51.63	51.77	0.14	3502.74
	09/28/99		56.65	56.79	0.14	3497.72
	10/07/99		54.98	55.23	0.25	3499.37
	10/26/99		54.68	54.77	0.09	3499.70
	11/11/99		55.79	55.85	0.06	3498.60
	11/30/99		55.03	55.07	0.04	3499.36
	12/14/99		54.52	54.53	0.01	3499.88
	12/30/99		53.91	53.94	0.03	3500.48
	01/13/00		53.56	53.59	0.03	3500.83
	01/25/00		53.50	53.52	0.02	3500.90
	02/03/00		53.61	53.63	0.02	3500.79
	02/13/00*		53.53	53.58	0.05	3500.86
	03/06/00		54.11	54.12	0.01	3500.29
	03/23/00		(a)	54.95	(a)	3499.45
	04/06/00		54.05	54.07	0.02	3500.35
	04/20/00		54.19	54.20	0.01	3500.21
	05/11/00		54.21	54.22	0.01	3500.19
	05/25/00		(a)	54.21	(a)	3500.19
	06/08/00		(a)	54.18	(a)	3500.22
	06/22/00		(a)	54.18	(a)	3500.22
	07/13/00		(a)	54.19	(a)	3500.21
	07/27/00		(a)	54.19	(a)	3500.21
	08/03/00		54.03	54.04	0.01	3500.37
	08/21/00*		(a)	54.02	(a)	3500.38
	09/14/00		(a)	53.60	(a)	3500.80
	09/28/00		(a)	53.58	(a)	3500.82
	10/12/00		(a)	53.55	(a)	3500.85
	11/03/00		(a)	53.35	(a)	3501.05
	11/16/00		(a)	53.29	(a)	3501.11
	12/06/00		(a)	53.25	sheen	3501.15
	01/25/01		(a)	53.11	(a)	3501.29
	02/17/01*		53.04	53.05	0.01	3501.36
	02/23/01		(a)	53.00	(a)	3501.40
	03/30/01		(a)	52.95	(a)	3501.45
	08/15/01		(a)	56.16	(a)	3498.24
	02/27/02*		(a)	52.70	(a)	3501.70
	07/31/02*		(a)	52.60	(a)	3501.80
	02/13/03*		(a)	52.47	sheen	3501.93
	08/04/03*		(a)	52.30	sheen	3502.10
	05/24/04*		(a)	52.27	(a)	3502.13
	11/09/04*		(a)	52.37	sheen	3502.03

Table 2. Summary of Groundwater Surface Elevations at SVE Wells
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-11	06/04/99	3555.33 (e)	54.94	55.32	0.38	3500.31
	06/29/99		54.94	55.31	0.37	3500.32
	07/08/99		54.87	56.51	1.64	3500.13
	07/27/99		54.52	56.18	1.66	3500.48
	08/11/99*		54.32	55.91	1.59	3500.69
	08/13/99		54.66	55.80	1.14	3500.44
	09/02/99		54.30	54.39	0.09	3501.01
	09/14/99		55.30	56.14	0.84	3499.86
	10/05/99		54.80	54.85	0.05	3500.52
	11/02/99		54.58	54.59	0.01	3500.75
	11/16/99		(a)	54.21	(a)	3501.12
	12/02/99		(a)	54.20	(a)	3501.13
	12/30/99		(a)	53.86	(a)	3501.47
	01/13/00		(a)	53.99	(a)	3501.34
	01/25/00		(a)	54.64	(a)	3500.69
	02/03/00		(a)	54.32	(a)	3501.01
	02/13/00*		53.87	53.89	0.02	3501.46
	03/23/00		57.55	57.56	0.01	3497.78
	04/06/00		(a)	56.00	(a)	3499.33
	05/11/00		(a)	55.26	(a)	3500.07
	05/25/00		(a)	54.63	(a)	3500.70
	06/08/00		(a)	54.73	(a)	3500.60
	06/22/00		(a)	55.28	(a)	3500.05
	07/13/00		54.62	54.63	0.01	3500.71
	07/27/00		(a)	54.29	(a)	3501.04
	08/03/00		(a)	54.22	(a)	3501.11
	08/21/00*		(a)	53.77	(a)	3501.56
	09/14/00		(a)	53.92	(a)	3501.41
	09/28/00		(a)	53.92	(a)	3501.41
	10/12/00		(a)	53.95	(a)	3501.38
	11/03/00		53.75	53.76	0.01	3501.58
	11/16/00		53.76	53.77	0.01	3501.57
	12/06/00		53.83	53.89	0.06	3501.49
	01/25/01		53.64	53.71	0.07	3501.68
	02/17/01*		53.76	53.87	0.11	3501.55
	02/23/01		53.47	53.54	0.07	3501.85
	03/30/01		53.48	53.55	0.07	3501.84
	08/15/01		(a)	53.43	(a)	3501.90
	02/27/02*		53.35	53.43	0.08	3501.96
	07/31/02*		53.15	53.16	0.01	3502.18
	02/13/03*		(a)	53.03	sheen	3502.30
	08/04/03*		51.81	52.02	0.21	3503.48
	05/24/04*		55.85	56.33	0.48	3499.38
	11/09/04*		52.94	53.31	0.37	3502.32

Table 2. Summary of Groundwater Surface Elevations at SVE Wells
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-12	06/04/99	3555.64 (e)	55.00	58.71	3.71	3499.90
	07/13/99		55.25	55.83	0.58	3500.27
	07/27/99		54.99	56.16	1.17	3500.42
	08/03/99		55.11	56.41	1.30	3500.27
	09/07/99		54.29	54.30	0.01	3501.35
	09/14/99		55.28	55.29	0.01	3500.36
	10/12/99		53.35	53.37	0.02	3502.29
	10/28/99		(a)	54.56	(a)	3501.08
	11/11/99		(a)	54.23	(a)	3501.41
	11/30/99		(a)	53.88	(a)	3501.76
	12/14/99		(a)	53.89	(a)	3501.75
	12/30/99		(a)	53.82	(a)	3501.82
	01/25/00		(a)	54.33	(a)	3501.31
	02/03/00		(a)	54.41	(a)	3501.23
	02/13/00*		(a)	54.17	sheen	3501.47
	04/20/00		(a)	56.38	(a)	3499.26
	06/15/00		(a)	55.25	(a)	3500.39
	07/13/00		(a)	54.50	(a)	3501.14
	07/27/00		(a)	53.97	(a)	3501.67
	08/03/00		(a)	53.19	(a)	3502.45
	08/21/00*		(a)	53.73	(a)	3501.91
	09/14/00		(a)	53.57	(a)	3502.07
	09/28/00		(a)	53.82	(a)	3501.82
	10/12/00		(a)	53.54	(a)	3502.10
	11/03/00		(a)	54.04	(a)	3501.60
	11/16/00		(a)	54.06	(a)	3501.58
	12/06/00		(a)	54.12	sheen	3501.52
	01/25/01		53.92	53.94	0.02	3501.72
	02/17/01*		54.06	54.10	0.04	3501.57
	02/23/01		(a)	52.28	(a)	3503.36
	03/30/01		53.79	53.88	0.09	3501.83
	08/15/01		(a)	53.73	(a)	3501.91
	02/27/02*		53.60	53.61	0.01	3502.04
	07/31/02*		53.44	53.59	0.15	3502.17
	02/13/03*		53.47	53.62	0.15	3502.14
	08/04/03*		53.23	53.57	0.34	3502.34
	05/24/04*		53.13	53.74	0.61	3502.39
	11/09/04*		53.33	53.87	0.54	3502.20

Table 2. Summary of Groundwater Surface Elevations at SVE Wells
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-13	06/04/99	3554.11 (e)	53.73	54.83	1.10	3500.16
	06/24/99		53.65	54.02	0.37	3500.39
	07/15/99		53.97	54.02	0.05	3500.13
	07/27/99		53.28	53.30	0.02	3500.83
	08/11/99*		53.37	53.39	0.02	3500.74
	08/26/99		(a)	53.27	(a)	3500.84
	09/14/99		(a)	53.93	(a)	3500.18
	09/28/99		(a)	53.24	(a)	3500.87
	10/07/99		(a)	53.36	(a)	3500.75
	10/21/99		(a)	53.51	(a)	3500.60
	11/11/99		(a)	53.00	(a)	3501.11
	11/30/99		(a)	52.56	(a)	3501.55
	12/14/99		(a)	52.54	(a)	3501.57
	12/30/99		(a)	52.38	(a)	3501.73
	01/25/00		(a)	54.18	(a)	3499.93
	02/03/00		(a)	52.79	(a)	3501.32
	02/13/00*		(a)	52.60	(a)	3501.51
	03/06/00		(a)	53.45	(a)	3500.66
	03/23/00		(a)	56.07	(a)	3498.04
	04/06/00		(a)	54.76	(a)	3499.35
	05/11/00		(a)	53.54	(a)	3500.57
	05/25/00		(a)	52.68	(a)	3501.43
	06/08/00		(a)	53.16	(a)	3500.95
	06/22/00		(a)	54.22	(a)	3499.89
	07/13/00		(a)	52.91	(a)	3501.20
	07/27/00		(a)	52.67	(a)	3501.44
	08/03/00		(a)	52.48	(a)	3501.63
	08/21/00*		(a)	52.47	(a)	3501.64
	09/14/00		(a)	52.65	(a)	3501.46
	09/28/00		(a)	52.58	(a)	3501.53
	10/12/00		(a)	52.57	(a)	3501.54
	11/03/00		(a)	52.49	(a)	3501.62
	11/16/00		(a)	52.51	(a)	3501.60
	12/06/00		(a)	52.59	(a)	3501.52
	01/25/01		(a)	52.41	(a)	3501.70
	02/17/01*		(a)	52.55	(a)	3501.56
	02/23/01		53.72	53.74	0.02	3500.39
	03/30/01		(a)	52.26	(a)	3501.85
	08/15/01		(a)	52.16	(a)	3501.95
	02/27/02*		(a)	52.14	(a)	3501.97
	07/31/02*		(a)	51.93	(a)	3502.18
	02/13/03*		(a)	52.01	(a)	3502.10
	08/04/03*		(a)	51.81	(a)	3502.30
	05/24/04*		(a)	51.70	(a)	3502.41
	11/09/04*		(a)	50.90	(a)	3503.21

Table 2. Summary of Groundwater Surface Elevations at SVE Wells
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date	Top of Casing (ft)	Depth to PSH (ft)	Depth to Water (ft)	PSH (ft)	Surface Elevation (ft)
SVE-14	06/04/99	3554.83 (e)	(a)	54.43	(a)	3500.40
	06/24/99		(a)	52.01	(a)	3502.82
	07/15/99		(a)	52.76	(a)	3502.07
	07/27/99		(a)	52.03	(a)	3502.80
	08/11/99*		(a)	54.13	(a)	3500.70
	08/26/99		(a)	52.40	(a)	3502.43
	09/14/99		(a)	52.61	(a)	3502.22
	09/28/99		(a)	52.36	(a)	3502.47
	10/07/99		(a)	52.14	(a)	3502.69
	10/21/99		(a)	54.37	(a)	3500.46
	11/11/99		(a)	53.09	(a)	3501.74
	11/30/99		(a)	51.51	(a)	3503.32
	12/14/99		(a)	51.16	(a)	3503.67
	12/30/99		(a)	53.32	(a)	3501.51
	01/13/00		(a)	53.51	(a)	3501.32
	01/25/00		(a)	51.42	(a)	3503.41
	02/03/00		(a)	51.28	(a)	3503.55
	02/13/00*		(a)	53.36	(a)	3501.47
	02/17/01*		(a)	53.31	(a)	3501.52
	08/21/00*		(a)	53.37	(a)	3501.46
	02/17/01*		(a)	53.31	(a)	3501.52
	08/15/01		(a)	52.95	(a)	3501.88
	02/27/02*		(a)	52.88	sheen	3501.95
	07/31/02*		(a)	52.67	(a)	3502.16
	02/13/03*		(a)	52.75	sheen	3502.08
	08/04/03*		52.56	52.57	0.01	3502.27
	05/24/04*		(a)	52.51	(a)	3502.32
	11/09/04*		(a)	51.65	(a)	3503.18

Notes:
(a) Not Applicable
(b) No elevation data available
(c) Survey by John West Engineering, Hobbs, NM dated 11/94
(d) Survey by John West Engineering, Hobbs, NM dated 02/22/96
(e) Survey by Cypress Engineering, Houston, TX dated 08/11/99

Table 3. Summary of Groundwater Analyses
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date		Field Measured Parameters				BTEX Concentration - (ug/L)			
			DO (mg/L)	pH (Units)	Temp. (C)	Conductivity (us/cm)	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard			none	6-9	none	none	10	750	750	620
MW-9	11/21/94		-	-	-	-	**12**	< 0.5	< 0.5	< 0.5
	11/21/95		-	7.03	19.4	2,890	4	3	< 2	11
	02/22/96		-	6.48	22.2	2,980	**13**	< 2	< 2	< 2
	05/14/96		-	-	-	-	**14**	< 2	< 2	< 2
	08/12/96		-	6.79	27.0	3,090	**14**	< 2	< 2	< 3
	11/12/96		-	6.97	16.6	-	9	< 2	< 2	< 2
	02/05/97		3.0	7.26	16.3	3,900	**13**	< 2	< 2	< 2
	08/05/97		1.8	6.97	20.7	3,580	3	< 2	< 2	< 2
	02/24/98		4.2	7.00	20.3	3,550	**16.3**	< 5	< 5	< 5
	08/05/98		2.2	6.93	22.6	3,910	1.9	< 1	< 1	< 1
	02/12/99		-	-	-	-	6	< 1	< 1	< 1
	08/11/99		3.1	6.9	21.0	3,230	< 2	< 2	< 2	< 2
	02/13/00		-	-	-	-	3.0	< 1	< 1	< 1
	08/21/00	(a)	-	-	-	-	1.5	< 0.5	0.5	0.9
	02/17/01		-	-	-	-	< 0.500	< 0.500	< 0.500	< 0.10
	08/15/01		2.6	7.12	22.5	3,140	2.06	< 1	< 1	< 2
	02/27/02		3.6	6.94	21.9	4,130	6	< 1	< 1	< 1
	08/01/02		3.7	6.80	21.5	3,810	< 0.50	< 0.50	< 0.50	< 0.50
	02/13/03		2.8	6.98	22.7	4,310	0.86	< 0.50	< 0.50	< 0.50
	08/05/03		2.1	6.91	23.3	3,830	0.60	< 0.50	< 0.50	< 0.50
	05/24/04		2.7	7.07	22.9	4,090	< 0.50	< 0.50	< 0.50	< 0.50
	11/09/04*		3.3	6.83	20.6	4,423	< 0.50	< 0.50	< 0.50	< 0.50

Table 3. Summary of Groundwater Analyses
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date	Field Measured Parameters				BTEX Concentration - (ug/L)			
		DO (mg/L)	pH (Units)	Temp. (C)	Conductivity (us/cm)	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard		none	6-9	none	none	10	750	750	620
MW-10	11/18/94	-	-	-	-	**9,000**	**16,000**	620	**8,500**
	08/05/98	-	-	-	-	**4,000**	**7,500**	190	**3,100**
	02/12/99	-	-	-	-	**4,300**	**7,700**	340	**3,300**
	11/18/99	-	-	-	-	**3,400**	**5,600**	280	**3,100**
	02/13/00	-	-	-	-	**4,800**	**9,200**	710	**6,200**
	06/20/00	-	-	-	-	**3,700**	**6,600**	380	**3,900**
	08/15/01	-	-	-	-	**4,590**	**454**	429	**4,680**

Table 3. Summary of Groundwater Analyses
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date		Field Measured Parameters				BTEX Concentration - (ug/L)			
			DO (mg/L)	pH (Units)	Temp. (C)	Conductivity (us/cm)	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard			none	6-9	none	none	10	750	750	620
MW-11	11/21/94	(b)	-	-	-	-	-	-	-	-
	11/21/95		-	-	-	-	< 2	< 2	< 2	< 2
	02/22/96		-	7.34	21.9	1,920	< 2	< 2	< 2	< 2
	05/14/96		-	-	-	-	< 2	< 2	< 2	< 2
	08/12/96		-	7.11	25.7	2,050	< 2	< 2	< 2	< 3
	11/11/96		6.0	7.15	19.9	-	< 2	< 2	< 2	< 2
	02/05/97		7.0	7.56	14.8	2,300	< 2	< 2	< 2	< 2
	08/05/97		5.3	7.19	21.2	2,280	< 2	< 2	< 2	< 2
	02/24/98		6.5	7.35	18.8	2,100	< 5	< 5	< 5	< 5
	08/05/98		7.2	7.15	20.4	2,250	< 1	< 1	< 1	< 1
	02/12/99		-	-	-	-	< 1	< 1	< 1	< 1
	08/11/99		8.8	7.42	20.8	1,800	< 2	< 2	< 2	< 2
	02/13/00		6.6	7.83	19.6	2,050	< 1	< 1	< 1	< 1
	08/21/00	(a)	6.7	7.41	21.6	1,720	< 0.5	< 0.5	< 0.5	< 1
	02/17/01		-	-	-	-	< 0.500	< 0.500	< 0.500	< 0.10
	08/15/01		6.0	7.20	20.3	1,932	< 1	< 1	< 1	< 2
	02/27/02		6.3	7.38	21.6	2,020	< 1	< 1	< 1	< 1
	08/01/02		7.9	6.87	23.5	1,700	< 0.50	< 0.50	< 0.50	< 0.50
	02/13/03		6.1	7.41	22.3	1,960	< 0.50	< 0.50	< 0.50	< 0.50
	08/05/03		5.0	7.47	22.7	1,660	< 0.50	< 0.50	< 0.50	< 0.50
	05/24/04		5.1	7.46	21.9	1,780	< 0.50	< 0.50	< 0.50	< 0.50
	11/09/04*		5.8	7.14	20.2	1,775	< 0.50	< 0.50	< 0.50	< 0.50

Table 3. Summary of Groundwater Analyses
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date		Field Measured Parameters				BTEX Concentration - (ug/L)			
			DO (mg/L)	pH (Units)	Temp. (C)	Conductivity (us/cm)	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard			none	6-9	none	none	10	750	750	620
MW-12	11/17/94		-	-	-	-	< 0.5	1.9	< 0.5	3.1
	11/21/95		-	6.97	19.2	3,260	< 2	< 2	< 2	< 2
	02/22/96		-	6.71	22.6	3,400	< 2	< 2	< 2	< 2
	05/14/96		-	-	-	-	< 2	< 2	< 2	< 2
	08/12/96		-	6.70	26.8	3,430	< 2	< 2	< 2	< 3
	11/12/96		6.0	7.06	19.3	-	< 2	< 2	< 2	< 2
	02/05/97		7.0	7.23	15.8	3,900	< 2	< 2	< 2	< 2
	08/05/97		4.9	6.85	21.8	3,880	< 2	< 2	< 2	< 2
	02/24/98		6.0	7.06	20.1	3,570	< 5	< 5	< 5	< 5
	08/05/98		5.6	6.96	22.1	3,830	< 1	< 1	< 1	< 1
	02/12/99		-	-	-	-	< 1	< 1	< 1	< 1
	08/11/99		6.7	7.13	20.7	3,770	< 2	< 2	< 2	< 2
	02/13/00		5.4	7.10	20.1	3,780	< 1	< 1	< 1	< 1
	08/21/00	(a)	6.7	7.06	21.1	3,350	< 0.5	0.5	0.8	1.1
	02/17/01		-	-	-	-	< 0.500	< 0.500	< 0.500	< 0.10
	08/15/01		4.5	7.23	20.7	3,690	< 1	< 1	< 1	< 2
	02/27/02		4.6	7.01	22.4	4,030	< 1	< 1	< 1	< 1
	08/01/02		4.3	6.84	21.4	3,580	< 0.50	< 0.50	< 0.50	< 0.50
	02/13/03		4.3	7.04	22.8	3,930	< 0.50	< 0.50	< 0.50	< 0.50
	08/05/03		4.1	7.05	23.4	3,380	< 0.50	< 0.50	< 0.50	< 0.50
	05/24/04		4.1	7.09	22.1	3,540	< 0.50	< 0.50	< 0.50	< 0.50
	11/09/04*		4.2	6.90	20.4	3,547	< 0.50	< 0.50	< 0.50	< 0.50

Table 3. Summary of Groundwater Analyses
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date		Field Measured Parameters				BTEX Concentration - (ug/L)			
			DO (mg/L)	pH (Units)	Temp. (C)	Conductivity (us/cm)	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard			none	6-9	none	none	10	750	750	620
MW-13	12/01/94		-	-	-	-	< 0.5	< 0.5	< 0.5	< 0.5
	11/21/95		-	7.63	20.3	1,530	< 2	< 2	< 2	< 2
	02/22/96		-	7.18	24.1	1,880	< 2	< 2	< 2	< 2
	05/14/96		-	-	-	-	< 2	3	< 2	7
	08/12/96		-	7.02	26.7	1,980	< 2	< 2	< 2	< 3
	11/11/96		4.0	7.18	18.8	-	< 2	< 2	< 2	< 2
	02/05/97		7	7.65	17.7	1,900	< 2	< 2	< 2	< 2
	08/05/97		5.2	7.38	21.1	1,830	< 2	< 2	< 2	< 2
	02/24/98		4.5	7.27	19.5	1,703	< 5	< 5	< 5	< 5
	08/05/98		5.5	7.28	20.30	1,840	< 1	< 1	< 1	< 1
	02/12/99		-	-	-	-	< 1	< 1	< 1	< 1
	08/11/99		6.5	7.42	20.6	1,700	< 2	< 2	< 2	< 2
	02/13/00		5.2	7.37	19.3	1,753	< 1	< 1	< 1	< 1
	08/21/00	(a)	6.4	7.57	21.1	1,640	0.4	0.5	2.3	2.9
	02/17/01		-	-	-	-	< 0.500	< 0.500	< 0.500	< 0.10
	08/15/01		4.2	7.42	20.6	1,646	< 1	< 1	< 1	< 2
	02/27/02		4.1	7.33	21.7	1,804	< 1	< 1	< 1	< 1
	08/01/02		4.5	6.90	20.7	1,600	< 0.50	< 0.50	< 0.50	< 0.50
	02/13/03		4.2	7.37	22.3	1,803	< 0.50	< 0.50	< 0.50	< 0.50
	08/05/03		4.6	7.42	22.5	1,620	< 0.50	< 0.50	< 0.50	< 0.50
	05/24/04		4.4	7.43	22.0	1,800	< 0.50	< 0.50	< 0.50	< 0.50
	11/09/04*		4.8	7.11	20.0	1,979	< 0.50	< 0.50	< 0.50	< 0.50

Table 3. Summary of Groundwater Analyses
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date		Field Measured Parameters				BTEX Concentration - (ug/L)			
			DO (mg/L)	pH (Units)	Temp. (C)	Conductivity (us/cm)	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard			none	6-9	none	none	10	750	750	620
SVE-13	02/13/00		-	-	-	-	**1,300**	**1,800**	270	**1,900**
	06/20/00		-	-	-	-	**1,600**	**2,300**	170	**2,100**
@ 1 well vol	08/21/00	(a)	-	-	-	-	**110**	140	91	390
	08/21/00	(a)	-	-	-	-	**240**	370	110	**1,000**
@ 1 well vol	02/18/01		-	-	-	-	**968**	**789**	93.2	**831**
	02/18/01		-	-	-	-	**1,170**	**1,110**	124	**1,240**
(Dup MW-17)	02/18/01		-	-	-	-	**860**	613	96.2	**864**
	08/15/01		-	-	-	-	**773**	60.1	73.1	520.3
	02/28/02		-	-	-	-	**614**	< 50	< 50	**1,670**
(Dup MW-24)	02/28/02		-	-	-	-	**686**	604	619	**1,670**
	08/01/02		-	-	-	-	**720**	< 10	74	220
	02/13/03		-	-	-	-	**760**	< 10	120	300
	08/05/03		-	-	-	-	**1,100**	< 10	93	250
	05/24/04		-	-	-	-	**620**	21	73	230
	11/09/04*		-	-	-	-	**920**	< 20	150	260

Table 3. Summary of Groundwater Analyses
TW WT-1 Compressor Station Dehy Area

Well	Sampling Date		Field Measured Parameters				BTEX Concentration - (ug/L)			
			DO (mg/L)	pH (Units)	Temp. (C)	Conductivity (us/cm)	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard			none	6-9	none	none	10	750	750	620
SVE-14	09/08/99		1.2	6.89	22.0	2,460	**1,600**	**1,200**	360	**1,300**
	11/18/99		-	-	-	-	**1,400**	560	400	**970**
	02/13/00		-	-	-	-	**3,000**	**4,200**	510	**3,000**
	06/20/00		-	-	-	-	**1,600**	**2,300**	330	**2,400**
@ 1 well vol	08/21/00	(a)	-	-	-	-	**1,600**	**1,900**	440	**2,430**
	08/21/00	(a)	5.6	7.25	22.8	2830	**2,100**	**2,900**	380	**2,620**
@ 1 well vol	02/18/01		-	-	-	-	**819**	**1,130**	297	**1,900**
	02/18/01		-	-	-	-	**3,740**	**5,910**	344	**3,880**
(Dup MW-18)	02/18/01		-	-	-	-	**2,150**	**3,290**	445	**2,910**
	08/15/01		-	-	-	-	**369**	**1,520**	632	**6,440**
	08/01/02		-	-	-	-	**3,000**	**2,900**	380	**4,100**
	05/24/04		-	-	-	-	**260**	340	260	**1,800**

NOTES:
(a) Trip Blank contained low concentrations of BTEX constituents.
(b) No sample collected due to insufficient volume of water in well.
(c) @ 1 well vol - Sample collected after purging 1 casing volume. All other samples were collected after purging 3 casin
(d) Dup MW-17 - Blind duplicate sample collected and labeled as MW-17.

Table 4. Summary of SVE Emissions at Individual Extraction Points
TW WT-1 Compressor Station Dehy Area

SVE Well	Date	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ug/L)	(ppmv) [c]	(%)									
SVE-1	08/15/96	510	127	3.0	11.3	21.0	28.1	22.9	10.8	2.7	0.2	0.0	0.0
	08/06/97	25	6	0.5	0.6	2.5	5.8	12.0	16.5	27.6	18.0	12.1	4.4
SVE-2	08/15/96	510	127	0.9	6.0	20.9	33.7	25.3	10.3	2.4	0.2	0.0	0.3
	02/06/97	20	5	0.0	5.5	27.2	27.9	16.9	14.3	7.0	0.9	0.3	0.0
	08/06/97	210	52	0.0	0.0	1.2	9.3	30.7	33.1	15.5	7.5	1.8	0.8
	12/30/97	360	89	0.1	0.5	1.6	11.4	20.6	18.7	19.4	16.7	11.0	0.0
	08/12/98	140	35	0.0	0.2	2.4	11.6	26.9	28.5	21.4	6.7	2.3	0.0
SVE-3	08/15/96	14,000	3,478	0.7	16.9	40.6	32.0	9.1	0.7	0.0	0.0	0.0	0.0
	02/06/97	1,900	472	0.0	6.1	33.2	56.5	4.1	0.1	0.0	0.0	0.0	0.0
	08/06/97	14,000	3,478	0.2	2.8	27.9	40.0	21.5	6.3	1.2	0.1	0.0	0.0
	12/30/97	16,000	3,974	0.2	4.8	26.9	37.6	21.9	6.8	1.2	0.5	0.1	0.0
	08/12/98	11,000	2,732	0.0	3.3	19.6	40.2	25.7	8.6	2.2	0.4	0.0	0.0
SVE-4	08/15/96	18,000	4,471	0.5	12.6	36.6	34.6	14.3	1.3	0.1	0.0	0.0	0.0
	02/06/97	4,400	1,093	0.0	15.9	21.0	55.3	7.5	0.3	0.0	0.0	0.0	0.0
	08/06/97	7,700	1,913	0.2	2.4	17.9	35.3	28.4	11.7	3.6	0.5	0.0	0.0
	12/30/97	10,000	2,484	0.0	1.4	9.9	32.0	31.4	20.8	3.7	0.8	0.0	0.0
	08/12/98	5,600	1,391	0.0	1.1	6.4	25.9	32.0	24.9	5.1	2.9	1.3	0.4
SVE-5	08/15/96	16,000	3,974	0.4	16.7	36.1	30.6	13.8	2.3	0.1	0.0	0.0	0.0
	02/06/97	4,200	1,043	0.0	8.3	30.3	53.2	7.3	0.9	0.0	0.0	0.0	0.0
	08/06/97	10,000	2,484	0.3	3.7	21.9	37.8	24.5	9.0	2.4	0.4	0.0	0.0
(dup)	08/06/97	11,000	2,732	0.2	3.8	22.0	37.9	24.4	9.0	2.3	0.4	0.0	0.0
	12/30/97	14,000	3,478	0.0	2.4	13.1	35.9	35.7	9.7	2.6	0.5	0.1	0.0
	08/12/98	9,400	2,335	0.0	3.0	6.3	45.1	29.1	12.0	3.5	0.8	0.2	0.0
SVE-6	08/15/96	4,100	1,018	0.0	13.2	25.5	23.2	29.4	8.5	0.2	0.0	0.0	0.0
	02/06/97	2,000	497	0.0	1.3	14.2	55.6	27.0	1.9	0.0	0.0	0.0	0.0
	08/06/97	120	30	0.0	0.2	2.1	18.2	28.7	26.1	15.5	7.4	1.8	0.0
	12/30/97	450	112	0.0	4.6	7.9	15.5	17.2	21.4	11.7	15.7	6.0	0.0
	08/12/98	110	27	0.0	5.4	5.9	20.8	24.1	17.9	16.3	6.9	2.7	0.0
SVE-7	08/15/96	1,400	348	0.5	2.4	13.6	33.0	35.0	14.8	0.5	0.0	0.2	0.0
	02/06/97	560	139	0.0	0.9	10.6	49.8	34.5	4.2	0.0	0.0	0.0	0.0
	08/06/97	37	9	0.0	0.4	1.5	9.6	20.5	30.1	21.8	12.5	3.6	0.0
SVE-8	08/15/96	12,000	2,981	0.3	23.9	39.1	25.7	8.9	1.9	0.2	0.0	0.0	0.0
	02/06/97	890	221	0.0	4.0	16.4	45.7	28.6	5.2	0.1	0.0	0.0	0.0
	08/06/97	700	174	0.9	5.5	19.0	29.0	26.8	12.7	5.0	1.0	0.0	0.0
	12/30/97	2,500	621	0.7	3.1	13.1	25.9	23.5	22.8	8.0	2.4	0.5	0.0
	08/12/98	70	17	0.0	2.4	11.2	29.2	24.1	19.1	8.6	3.7	1.7	0.0
SVE-9	08/15/96	5,700	1,416	6.7	18.2	24.3	31.0	15.0	4.2	0.2	0.1	0.1	0.1
	02/06/97	2,400	596	0.0	7.8	31.3	50.5	9.3	1.1	0.1	0.0	0.0	0.0
	08/06/97	7,600	1,888	0.0	3.6	40.0	27.7	19.2	8.1	1.1	0.3	0.0	0.0
	12/30/97	7,000	1,739	0.0	3.7	23.1	39.3	23.9	6.6	2.5	0.7	0.2	0.0
	08/12/98	5,900	1,466	0.0	4.7	29.0	37.4	19.1	6.9	2.2	0.6	0.1	0.0
MW-10	12/30/97	17,000	4,223	0.1	2.3	13.3	32.9	30.5	18.3	2.1	0.5	0.0	0.0
	08/12/98	13,000	3,229	0.0	4.5	6.2	27.4	41.2	13.8	5.1	1.2	0.6	0.0

Table 4. Summary of SVE Emissions at Individual Extraction Points
TW WT-1 Compressor Station Dehy Area

SVE Well	Date	Gasoline Range VOCs		< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ug/L)	(ppmv) [c]	(%)									
Combined Flow													
(Core Lab)	02/10/97		6,240										
	03/20/97	6,600	1,639	0.0	2.7	29.3	32.1	23.2	9.2	3.0	0.4	0.1	0.0
(Core Lab)	03/20/97		1,740										
	08/06/97	5,000	1,242	0.3	4.0	21.2	34.8	25.3	10.2	3.5	0.7	0.0	0.0
	12/30/97	7,300	1,813	0.0	2.4	13.6	35.0	29.0	16.9	2.6	0.4	0.1	0.0
	08/05/98	6,500	1,615	0.0	1.3	15.4	32.2	30.5	13.7	5.2	1.3	0.4	0.0
	08/12/98	5,300	1,317	0.0	1.5	8.9	30.9	30.5	22.5	4.7	0.9	0.1	0.0
(dup)	08/12/98	5,000	1,242	0.1	1.5	8.8	31.8	32.9	18.0	5.0	1.4	0.4	0.1
	04/13/99	6,800	1,689	0.0	1.2	8.0	28.5	32.7	23.6	3.9	1.8	0.3	0.0
	12/07/99	4,800	1,192	0.1	6.2	17.6	31.8	28.8	10.0	4.2	0.9	0.2	0.2
(dup)	12/07/99	4,900	1,217	0.1	6.2	17.5	32.3	28.6	9.7	4.2	1.1	0.3	0.0
	05/22/00(d)	3,700	919	0.0	3.8	13.4	35.0	28.7	12.4	4.7	0.8	0.6	0.6
(dup)	05/22/00(d)	6,300	1,565	0.0	3.2	12.1	34.1	31.5	11.4	5.4	1.6	0.6	0.1
	06/15/00(d)	3,000	745	0.1	3.9	16.6	37.7	29.8	8.6	2.1	0.6	0.1	0.5
(dup)	06/15/00(d)	3,700	919	0.1	3.3	15.4	32.6	29.8	10.9	5.8	1.6	0.4	0.1
	08/21/00(d)	3,900	969	0.0	2.9	12.2	28.7	30.0	15.4	7.9	2.4	0.5	0.0
	06/10/02(d)	3,630	902	0.0	1.3	8.3	27.1	30.8	24.6	4.8	2.6	0.5	0.0
(dup)	06/10/02(d)	3,440	854	0.0	1.4	8.4	27.9	31.6	24.3	4.2	2.1	0.1	0.0
	08/09/02(d)	551	137	0.0	4.3	18.9	31.5	23.8	10.3	3.5	2.2	2.9	2.6
(dup)	08/09/02(d)	543	135	0.0	4.6	20.6	34.0	25.1	10.3	3.2	1.5	0.3	0.4
	05/02/03(d)	3,450	857	0.3	3.3	14.6	29.3	19.8	24.4	5.4	2.8	0.1	0.0
(dup)	05/02/03(d)	2,740	681	0.3	3.4	15.3	30.3	20.0	23.4	4.8	2.4	0.1	0.0
	07/25/03(d)	665	165	0.0	2.8	17.2	28.3	34.4	15.4	1.7	0.2	0.0	0.0
(dup)	07/25/03(d)	1,550	385	0.0	2.0	11.7	23.6	36.4	21.1	4.2	1.0	0.0	0.0
	08/21/03(d)	2,590	643	0.0	4.7	20.1	16.0	26.0	25.8	6.1	1.2	0.1	0.0
	04/20/04(d)	2,750	683	0.5	3.4	13.8	21.4	38.3	15.7	5.9	0.9	0.1	0.0
(dup)	04/20/04(d)	2,740	681	0.6	3.7	15.1	23.6	31.3	17.7	6.5	1.1	0.3	0.1
	08/30/04(d)	2,590	643	2.7	5.2	15.9	29.3	24.5	15.3	5.9	1.2	0.0	0.0
(dup)	08/30/04(d)	2,110	524	0.7	3.1	13.2	29.8	27.1	17.5	6.7	1.5	0.3	0.1

Notes:
(a) All air samples analyzed by Hall Laboratory of Albuquerque, NM
(b) PID = Photoionization detector
(c) Conversion Factor:
P = 0.88 atm, MW = 110 g/mole, R = 0.08205 L*atm/(K*mole), T = 293oK
C ppmv = C ug/L * ((R * T)/(MW*P))
C ppmv = C ug/L * 0.2484
(d) Total Flow analysis included wells SVE-11, 12, 13, 14 & MW-10

Table 5. Summary of Completion Details for Soil Borings Completed as Wells
TWP WT-1 Compressor Station Dehy Area

Well	Source[a]	Date of Completion	Measuring Point Elevation (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-9	Eades Drlg/DBS	11/18/94	3557.31 (b)	-1209.40	-1254.20	60.5	na	Flush Mount	2	44-59	40.5
MW-10	Eades Drlg/DBS	11/17/94	3553.45 (b)	-986.60	-1342.10	62.5	63.57	Flush Mount	2	47.5-62.5	43.5
MW-11	Eades Drlg/DBS	11/21/94	3547.84 (b)	-864.70	-1562.50	65.0	59.78	Flush Mount	2	45-60	38.5
MW-12	Eades Drlg/DBS	11/16/94	3551.19 (b)	-818.40	-1192.90	60.0	60.11	Flush Mount	2	45-60	42.3
MW-13	Eades Drlg/DBS	11/16/94	3547.78 (b)	-708.90	-1359.20	58.0	57.52	Flush Mount	2	43-58	39.5
SVE-1	Eades Drlg/DBS	10/04/95	3551.22 (d)	-903.90	-1406.60	55.0	54.49	Flush Mount	2	35-55	32.9
SVE-2	Eades Drlg/DBS	10/05/95	3551.96 (d)	-901.70	-1325.80	53.0	52.75	Flush Mount	2	33-53	30.8
SVE-3	Eades Drlg/DBS	10/05/95	3552.75 (d)	-888.70	-1245.80	55.0	55.30	Flush Mount	2	35-55	32.6
SVE-4	Eades Drlg/DBS	10/04/95	3553.03 (c)	-989.20	-1359.10	55.0	na	Flush Mount	2	30-55	27.9
SVE-5	Eades Drlg/DBS	10/04/95	3554.39 (d)	-986.40	-1275.10	52.7	52.11	Flush Mount	2	32.7-52.7	30.0
SVE-6	Eades Drlg/DBS	10/05/95	3553.74 (d)	-984.10	-1198.40	55.0	54.29	Flush Mount	2	35-55	32.8
SVE-7	Eades Drlg/DBS	10/04/95	3553.81 (d)	-1071.00	1402.50	58.0	57.68	Flush Mount	2	33-58	31.8
SVE-8	Eades Drlg/DBS	10/05/95	3555.25 (d)	-1072.80	-1314.70	56.5	56.76	Flush Mount	2	36.5-56.5	34.8
SVE-9	Eades Drlg/DBS	10/05/95	3555.36 (d)	-1073.10	-1249.20	56.2	55.90	Flush Mount	2	36.2-56.2	34.2
SVE-10 (e)	GPI/CES	05/25/99	3554.40 (d)	-989.58	-1359.42	66.6	64.46	Flush Mount	4	47.5-62.5	42.7
SVE-11	GPI/CES	05/14/99	3555.33 (d)	-986.39	-1269.94	63.4	63.93	Flush Mount	4	47.5-62.5	44.5
SVE-12	GPI/CES	05/14/99	3555.64 (d)	-985.74	-1307.78	63.5	63.55	Flush Mount	4	47.5-62.5	42.7
SVE-13	GPI/CES	05/10/99	3554.11 (d)	-954.94	-1314.42	64.8	63.21	Flush Mount	4	47.5-62.5	42.3
SVE-14	GPI/CES	05/14/99	3554.83 (d)	-960.46	-1248.58	63.4	63.97	Flush Mount	4	47.5-62.5	43.5

NOTES:
(a) Driller/Consultant
(b) Survey by John West Engineering on 11/94
(c) Survey by John West Engineering on 2/96
(d) Survey by Cypress Engineering on 8/99
(e) SVE-10 is an overdrill of SVE-4
na - Information not available

Table 6. Monitor Well Sampling Locations, Frequency, and Sample Analysis Plan
TW WT-1 Compressor Station Dehy Area

	Analytical Requirements			
Well ID	**1st Semiannual Event**	**2nd Semiannual Event**	**Benzene (ppb) Latest Result**	**Comments**
MW-9	BTEX	BTEX	< 0.5	
MW-10	BTEX	BTEX	na	contains PSH
MW-11	BTEX	BTEX	< 0.5	clean downgradient well
MW-12	BTEX	BTEX	< 0.5	clean downgradient well
MW-13	BTEX	BTEX	< 0.5	clean downgradient well
SVE-13	BTEX	BTEX	920	
SVE-14	BTEX	BTEX	260	contains PSH intermittently

Notes:
1) na - not available
2) BTEX - BTEX Compounds by EPA Method 8021B

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

June 02, 2004

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 DEHY Station Order No.: 0405220

Dear George Robinson:

Hall Environmental Analysis Laboratory received 7 samples on 5/25/2004 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

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

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

Hall Environmental Analysis Laboratory

Date: *02-Jun-04*

CLIENT: Cypress Engineering
Project: TWP WT-1 DEHY Station
Lab Order: 0405220

Lab ID: 0405220-01 **Collection Date:** 5/24/2004 4:35:00 PM
Client Sample ID: MW-12 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.50		µg/L	1	5/28/2004 8:46:42 AM
Toluene	ND	0.50		µg/L	1	5/28/2004 8:46:42 AM
Ethylbenzene	ND	0.50		µg/L	1	5/28/2004 8:46:42 AM
Xylenes, Total	ND	0.50		µg/L	1	5/28/2004 8:46:42 AM
Surr: 4-Bromofluorobenzene	96.1	74-118		%REC	1	5/28/2004 8:46:42 AM

Lab ID: 0405220-02 **Collection Date:** 5/24/2004 5:20:00 PM
Client Sample ID: MW-9 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.50		µg/L	1	5/28/2004 9:17:12 AM
Toluene	ND	0.50		µg/L	1	5/28/2004 9:17:12 AM
Ethylbenzene	ND	0.50		µg/L	1	5/28/2004 9:17:12 AM
Xylenes, Total	ND	0.50		µg/L	1	5/28/2004 9:17:12 AM
Surr: 4-Bromofluorobenzene	100	74-118		%REC	1	5/28/2004 9:17:12 AM

Lab ID: 0405220-03 **Collection Date:** 5/24/2004 6:45:00 PM
Client Sample ID: MW-11 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.50		µg/L	1	5/28/2004 9:47:33 AM
Toluene	ND	0.50		µg/L	1	5/28/2004 9:47:33 AM
Ethylbenzene	ND	0.50		µg/L	1	5/28/2004 9:47:33 AM
Xylenes, Total	ND	0.50		µg/L	1	5/28/2004 9:47:33 AM
Surr: 4-Bromofluorobenzene	100	74-118		%REC	1	5/28/2004 9:47:33 AM

Lab ID: 0405220-04 **Collection Date:** 5/24/2004 6:55:00 PM
Client Sample ID: MW-13 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.50		µg/L	1	5/28/2004 10:17:54 AM
Toluene	ND	0.50		µg/L	1	5/28/2004 10:17:54 AM
Ethylbenzene	ND	0.50		µg/L	1	5/28/2004 10:17:54 AM
Xylenes, Total	ND	0.50		µg/L	1	5/28/2004 10:17:54 AM
Surr: 4-Bromofluorobenzene	101	74-118		%REC	1	5/28/2004 10:17:54 AM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT: Cypress Engineering
Project: TWP WT-1 DEHY Station
Lab Order: 0405220

Lab ID: 0405220-05 **Collection Date:** 5/24/2004 7:55:00 PM
Client Sample ID: S-13 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	620	20		µg/L	40	5/28/2004 10:48:22 AM
Toluene	21	20		µg/L	40	5/28/2004 10:48:22 AM
Ethylbenzene	73	20		µg/L	40	5/28/2004 10:48:22 AM
Xylenes, Total	230	20		µg/L	40	5/28/2004 10:48:22 AM
Surr: 4-Bromofluorobenzene	101	74-118		%REC	40	5/28/2004 10:48:22 AM

Lab ID: 0405220-06 **Collection Date:** 5/24/2004 8:30:00 PM
Client Sample ID: S-14 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	260	50		µg/L	100	5/28/2004 11:18:44 AM
Toluene	340	50		µg/L	100	5/28/2004 11:18:44 AM
Ethylbenzene	260	50		µg/L	100	5/28/2004 11:18:44 AM
Xylenes, Total	1800	50		µg/L	100	5/28/2004 11:18:44 AM
Surr: 4-Bromofluorobenzene	100	74-118		%REC	100	5/28/2004 11:18:44 AM

Lab ID: 0405220-07 **Collection Date:**
Client Sample ID: Trip Blank **Matrix:** TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.50		µg/L	1	5/28/2004 11:49:11 AM
Toluene	ND	0.50		µg/L	1	5/28/2004 11:49:11 AM
Ethylbenzene	ND	0.50		µg/L	1	5/28/2004 11:49:11 AM
Xylenes, Total	ND	0.50		µg/L	1	5/28/2004 11:49:11 AM
Surr: 4-Bromofluorobenzene	101	74-118		%REC	1	5/28/2004 11:49:11 AM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT: Cypress Engineering
Work Order: 0405220
Project: TWP WT-1 DEHY Station

QC SUMMARY REPORT

Method Blank

Sample ID **Reagent Blank 5m** Batch ID: **R12033** Test Code: **SW8021** Units: **µg/L** Analysis Date **5/28/2004 7:04:11 AM** Prep Date

Client ID: Run ID: **PIDFID_040528A** SeqNo: **276616**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.50									
Toluene	ND	0.50									
Ethylbenzene	ND	0.50									
Xylenes, Total	ND	0.50									
Surr: 4-Bromofluorobenzene	21.15	0	20	0	106	74	118	0			

Sample ID **Reagent Blank 5m** Batch ID: **R12033** Test Code: **SW8021** Units: **µg/L** Analysis Date **5/29/2004 3:05:41 AM** Prep Date

Client ID: Run ID: **PIDFID_040528A** SeqNo: **276770**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.50									
Toluene	ND	0.50									
Ethylbenzene	ND	0.50									
Xylenes, Total	ND	0.50									
Surr: 4-Bromofluorobenzene	19.57	0	20	0	97.9	74	118	0			

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory

Date: *02-Jun-04*

CLIENT: Cypress Engineering
Work Order: 0405220
Project: TWP WT-1 DEHY Station

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID 0405220-01a ms	Batch ID: R12033	Test Code: SW8021	Units: µg/L	Analysis Date 5/28/2004 12:19:39 PM	Prep Date
Client ID: MW-12		Run ID: PIDFID_040528A		SeqNo: 276625	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.69	0.50	20	0	98.5	77	122	0			
Toluene	19.79	0.50	20	0	99.0	81	115	0			
Ethylbenzene	19.35	0.50	20	0	96.8	84	117	0			
Xylenes, Total	58.29	0.50	60	0	97.2	84	116	0			
Surr: 4-Bromofluorobenzene	23.45	0	24	0	97.7	74	118	0			

Sample ID 0405220-01a msd	Batch ID: R12033	Test Code: SW8021	Units: µg/L	Analysis Date 5/28/2004 12:50:11 PM	Prep Date
Client ID: MW-12		Run ID: PIDFID_040528A		SeqNo: 276626	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.77	0.50	20	0	98.8	77	122	19.69	0.391	27	
Toluene	19.43	0.50	20	0	97.2	81	115	19.79	1.83	19	
Ethylbenzene	19.31	0.50	20	0	96.5	84	117	19.35	0.231	10	
Xylenes, Total	58.83	0.50	60	0	98.0	84	116	58.29	0.916	13	
Surr: 4-Bromofluorobenzene	23.82	0	24	0	99.3	74	118	23.45	1.57	0	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Date: *02-Jun-04*

CLIENT: Cypress Engineering
Work Order: 0405220
Project: TWP WT-1 DEHY Station

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **BTEX std 100ng** Batch ID: **R12033** Test Code: **SW8021** Units: **µg/L** Analysis Date **5/29/2004 7:07:24 AM** Prep Date

Client ID: Run ID: **PIDFID_040528A** SeqNo: **276787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.6	0.50	20	0	98.0	81.3	121	0			
Toluene	19.58	0.50	20	0	97.9	84.9	118	0			
Ethylbenzene	19.25	0.50	20	0	96.3	53.8	149	0			
Xylenes, Total	58.68	0.50	60	0	97.8	83.1	122	0			

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Sample Receipt Checklist

Client Name CYP | Date and Time Received: 5/25/2004

Work Order Number 0405220 | Received by AT

Checklist completed by _____ 5/25/04
Signature | Date

Matrix | Carrier name Greyhound

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

Container/Temp Blank temperature? **2°** *4° C ± 2 Acceptable* If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

_____

_____

_____

_____

Corrective Action _____

_____

_____

CHAIN-OF-CUSTODY RECORD

Accreditation Applied: NELAC ☐ USACE ☐ Other: _____

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

Client: Cypress Engineering
ATTN: George Robinson, PE
Address: 7171 Highway 6 North
Suite 102
Houston, Texas 77095
Phone #: 281-797-3420
Fax #: 281-859-1881

Project Name: TWP WT-1 Dehy Station
Project #: Semi-Annual Monitor Well Sampling
Project Manager: George Robinson, PE
Sampler: Cm Barnhill, PG
Sample Temperature: 2°

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative $HgCl_2$	Preservative HNO_3	Preservative	HEAL No.
05/24/04	16:35	H_2O	MW-12	2x40mL VOA's	X			0405220-1
05/24/04	17:20	H_2O	MW-9	2x40mL VOA's	X			-2
05/24/04	18:45	H_2O	MW-11	2x40mL VOA's	X			-3
05/24/04	18:55	H_2O	MW-13	2x40mL VOA's	X			-4
05/24/04	19:55	H_2O	S-13	2x40mL VOA's	X			-5
05/24/04	20:30	H_2O	S-14	2x40mL VOA's				-6
			Trip Blank	1x40mL VOA	X			-7

ANALYSIS REQUEST

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	BTEX 8021 (BTEX ONLY)				Air Bubbles or Headspace (Y or N)
												X				N
												X				N
												X				N
												X				N
												X				N
												X				N
												X				

Date	Time	Relinquished By: (Signature)	Received By: (Signature)	Date	Time
05/25/04	0700			05/25/04	1640
Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)		

Remarks: Any Questions? Call Sandy Shoupe 281-797-3421

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

November 17, 2004

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 DEHY Area Order No.: 0411157

Dear George Robinson:

Hall Environmental Analysis Laboratory received 5 samples on 11/12/2004 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

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

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory

Date: *17-Nov-04*

CLIENT: Cypress Engineering
Project: TWP WT-1 DEHY Area
Lab Order: 0411157

Lab ID: 0411157-01 **Collection Date:** 11/9/2004 1:25:00 PM
Client Sample ID: MW-12 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.50		µg/L	1	11/16/2004 10:04:37 PM
Toluene	ND	0.50		µg/L	1	11/16/2004 10:04:37 PM
Ethylbenzene	ND	0.50		µg/L	1	11/16/2004 10:04:37 PM
Xylenes, Total	ND	0.50		µg/L	1	11/16/2004 10:04:37 PM
Surr: 4-Bromofluorobenzene	101	74-118		%REC	1	11/16/2004 10:04:37 PM

Lab ID: 0411157-02 **Collection Date:** 11/9/2004 3:10:00 PM
Client Sample ID: MW-9 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.50		µg/L	1	11/16/2004 11:34:09 PM
Toluene	ND	0.50		µg/L	1	11/16/2004 11:34:09 PM
Ethylbenzene	ND	0.50		µg/L	1	11/16/2004 11:34:09 PM
Xylenes, Total	ND	0.50		µg/L	1	11/16/2004 11:34:09 PM
Surr: 4-Bromofluorobenzene	99.0	74-118		%REC	1	11/16/2004 11:34:09 PM

Lab ID: 0411157-03 **Collection Date:** 11/9/2004 3:00:00 PM
Client Sample ID: MW-11 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.50		µg/L	1	11/17/2004 12:04:06 AM
Toluene	ND	0.50		µg/L	1	11/17/2004 12:04:06 AM
Ethylbenzene	ND	0.50		µg/L	1	11/17/2004 12:04:06 AM
Xylenes, Total	ND	0.50		µg/L	1	11/17/2004 12:04:06 AM
Surr: 4-Bromofluorobenzene	100	74-118		%REC	1	11/17/2004 12:04:06 AM

Lab ID: 0411157-04 **Collection Date:** 11/9/2004 3:30:00 PM
Client Sample ID: MW-13 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.50		µg/L	1	11/17/2004 12:34:04 AM
Toluene	ND	0.50		µg/L	1	11/17/2004 12:34:04 AM
Ethylbenzene	ND	0.50		µg/L	1	11/17/2004 12:34:04 AM
Xylenes, Total	ND	0.50		µg/L	1	11/17/2004 12:34:04 AM
Surr: 4-Bromofluorobenzene	99.6	74-118		%REC	1	11/17/2004 12:34:04 AM

Qualifiers:
- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation 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

Date: *17-Nov-04*

CLIENT: Cypress Engineering
Project: TWP WT-1 DEHY Area
Lab Order: 0411157

Lab ID: 0411157-05
Collection Date: 11/9/2004 4:40:00 PM
Client Sample ID: SVE-13
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	920	20		µg/L	40	11/17/2004 1:04:14 AM
Toluene	ND	20		µg/L	40	11/17/2004 1:04:14 AM
Ethylbenzene	150	20		µg/L	40	11/17/2004 1:04:14 AM
Xylenes, Total	260	20		µg/L	40	11/17/2004 1:04:14 AM
Surr: 4-Bromofluorobenzene	108	74-118		%REC	40	11/17/2004 1:04:14 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *17-Nov-04*

CLIENT: Cypress Engineering
Work Order: 0411157
Project: TWP WT-1 DEHY Area

QC SUMMARY REPORT
Method Blank

Sample ID **Reagent Blank 5m** Batch ID: **R13794** Test Code: **SW8021** Units: **µg/L** Analysis Date **11/16/2004 7:37:16 AM** Prep Date

Client ID: Run ID: **PIDFID_041116A** SeqNo: **320611**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.5									
Toluene	ND	0.5									
Ethylbenzene	ND	0.5									
Xylenes, Total	ND	0.5									
Surr: 4-Bromofluorobenzene	18.82	0	20	0	94.1	74	118	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Date: *17-Nov-04*

CLIENT: Cypress Engineering
Work Order: 0411157
Project: TWP WT-1 DEHY Area

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID **0411157-01a ms** Batch ID: **R13794** Test Code: **SW8021** Units: **µg/L** Analysis Date **11/16/2004 10:34:27 P** Prep Date

Client ID: **MW-12** Run ID: **PIDFID_041116A** SeqNo: **320970**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	21.44	0.5	20	0	107	77	122	0			
Toluene	21.16	0.5	20	0	106	81	115	0			
Ethylbenzene	21.27	0.5	20	0	106	84	117	0			
Xylenes, Total	63.51	0.5	60	0	106	84	116	0			
Surr: 4-Bromofluorobenzene	24.96	0	24	0	104	74	118	0			

Sample ID **0411157-01a msd** Batch ID: **R13794** Test Code: **SW8021** Units: **µg/L** Analysis Date **11/16/2004 11:04:18 P** Prep Date

Client ID: **MW-12** Run ID: **PIDFID_041116A** SeqNo: **320979**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.89	0.5	20	0	104	77	122	21.44	2.57	27	
Toluene	21.21	0.5	20	0	106	81	115	21.16	0.205	19	
Ethylbenzene	21.26	0.5	20	0	106	84	117	21.27	0.0442	10	
Xylenes, Total	64.13	0.5	60	0	107	84	116	63.51	0.975	13	
Surr: 4-Bromofluorobenzene	25.02	0	24	0	104	74	118	24.96	0.203	0	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Date: *17-Nov-04*

CLIENT: Cypress Engineering
Work Order: 0411157
Project: TWP WT-1 DEHY Area

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **BTEX std 100ng** Batch ID: **R13794** Test Code: **SW8021** Units: **µg/L** Analysis Date **11/16/2004 7:05:06 PM** Prep Date

Client ID: Run ID: **PIDFID_041116A** SeqNo: **320980**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	21.38	0.5	20	0	107	81.3	121	0			
Toluene	21.11	0.5	20	0	106	84.9	118	0			
Ethylbenzene	21.22	0.5	20	0	106	53.8	149	0			
Xylenes, Total	63.44	0.5	60	0	106	83.1	122	0			

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

1

Hall Environmental Analysis Laboratory

Sample Receipt Checklist

Client Name CYP | Date and Time Received: 11/12/04

Work Order Number 0411157 | Received by GLS

Checklist completed by [signature] 11/12/04
Signature Date

Matrix: | Carrier name: Greyhound

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

Container/Temp Blank temperature? 5° *4° C ± 2 Acceptable* If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: per Sandy Sharp SVE-13 Sampled @ 1640 not 1700 as on label JB 11/12/04

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA / QC Package:
Std ☐ Level 4 ☐
Other:

Client: CYPRESS ENGINEERING SERVICES

Address: 7171 Hwy 6 N, STE 102 HOUSTON TX 77095

Phone #: 281.797.3420

Fax #: 281.859.4881

Project Name: TRANSWESTERN PIPELINE COMPANY WT-1 DEHY ALOT

Project #: TWP WT-1 DEHY

Project Manager: GEORGIE ROBINSON

Sampler: SANDY SHARP

Sample Temperature: 5°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative $HgCl_2$	Preservative HNO_3	HEAL No. 041157
11/9/04	1325	W	MW-12	2/40ml	X		041156 AG 1
	0810		MW-9				2
	1500		MW-11				3
	1530		MW-13				4
	~~1640~~ ~~1400~~		SVE-13				5
	AG						

ANALYSIS REQUEST

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles or Headspace (Y or N)
X																
X																
X																
X																
X																

Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)
11/10/04	1830		11/12/04 @ 12:02
Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)

Remarks:

GW109

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

RECEIVED
GW109
FEB 14 2005
Oil Conservation Division
Environmental Bureau

February 9, 2005

Mr. Roger Anderson
Environmental Bureau
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

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

Dear Roger,

The enclosed Report of Groundwater Remediation Activities is submitted for your review and files.

If you have any questions or comments regarding this report, please contact me at (713) 345-1537 or Larry Campbell at (505) 625-8022.

Sincerely,

George C. Robinson, PE
President/Principal Engineer

xc w/attachment: Larry Campbell — Transwestern Pipeline Company
Larry Johnson — NMOCD Hobbs District Office

Report of Groundwater Remediation Activities

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

Submitted to:
New Mexico Oil Conservation Division

February 9, 2005

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

Section **Page**

LIST OF FIGURES

Figure

LIST OF TABLES

Table

LIST OF APPENDICES

1. Groundwater Monitoring Activities

1.1 Installation of One Additional Groundwater Monitor Well

One additional groundwater monitor well was installed on October 28, 2004. The well is located approximately 137 feet downgradient of monitor well MW-14 and is indicated on Figure 2 as monitor well MW-17. Prior to installation of well MW-17, well MW-14 had been the most downgradient monitor well at the site. Groundwater samples collected from well MW-14 had consistently contained 1,1-dichloroethane at concentrations just above the NMWQCC groundwater standard. Well MW-17 was installed in order to delineate the downgradient extent of the contaminant plume to concentrations below the NMWQCC groundwater standards. A boring log and well completion detail is provided in Appendix A. A summary of well completion details is also presented in Table 7.

1.2 Semi-Annual Groundwater Sampling Events

Two semi-annual groundwater-sampling events have been completed since the last report of remediation activities. These events were completed on May 25, 2004 and November 9, 2004.

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 at the site. 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, selected inorganic constituents by EPA Methods 6010 or 7470 (mercury), total dissolved solids by EPA Method 160.1, chlorides by EPA Method 325.2, nitrate and nitrite by EPA Method 353.1, and sulfate by EPA Method 375.4. A summary of field measured groundwater quality parameters (pH, temperature, electrical conductivity and dissolved oxygen) is presented in Table 3. A summary of organic and inorganic laboratory results is presented in Tables 4, 5, and 6. A copy of the laboratory results for each of the sampling events is included as an appendix to this report.

1.3 Results/Conclusions from Groundwater Sampling Events

1.3.1 Occurrence and Direction of Groundwater Flow

A water table elevation map based on measurements obtained in the course of the November 9, 2004 sampling event is included as Figure 3. The apparent direction of groundwater flow is consistent with water table elevation maps previously developed for this site.

1.3.2 Lateral Extent of Phase Separated Hydrocarbon

The lateral extent of PSH is currently defined by the historical occurrence of PSH at the water table in wells MW-2, RW-2, and RW-8, and the absence of a measurable thickness of PSH in all other wells. The thickness of accumulated PSH in monitor well MW-2 could not be measured

during the last four sampling events due to the water table dropping below the total depth of the well.

1.3.3 Condition of Affected Groundwater

The condition of affected groundwater, based on the recent sampling events, has not changed significantly from previous sampling events as evidenced by the information presented in Table 4 and Table 6. The primary constituents of concern are benzene, 1,1-dichloroethane, and trichloroethene. Distribution maps for BTEX, selected VOCs, and selected inorganic constituents are included as Figure 4, Figure 5, and Figure 6, respectively.

2. Status of Remediation Activities

2.1 Remediation Activities Completed through December 2004

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

1) Two groundwater-sampling events were completed.
2) One additional downgradient groundwater monitor well was installed on October 28, 2004.

2.2 Remediation Activities Planned for January 2005 through December 2005

Semiannual groundwater sampling will continue.

3. Proposed Modifications

3.1 Modifications to the Routine Groundwater Sampling Plan

Sampling location, frequency and the sampling analysis plan will continue on a semiannual basis. A summary of the sample analysis plan is presented in Table 8.

3.2 Reporting Frequency

Annual reporting will continue with the next scheduled report being submitted to the OCD by February 28, 2006.

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

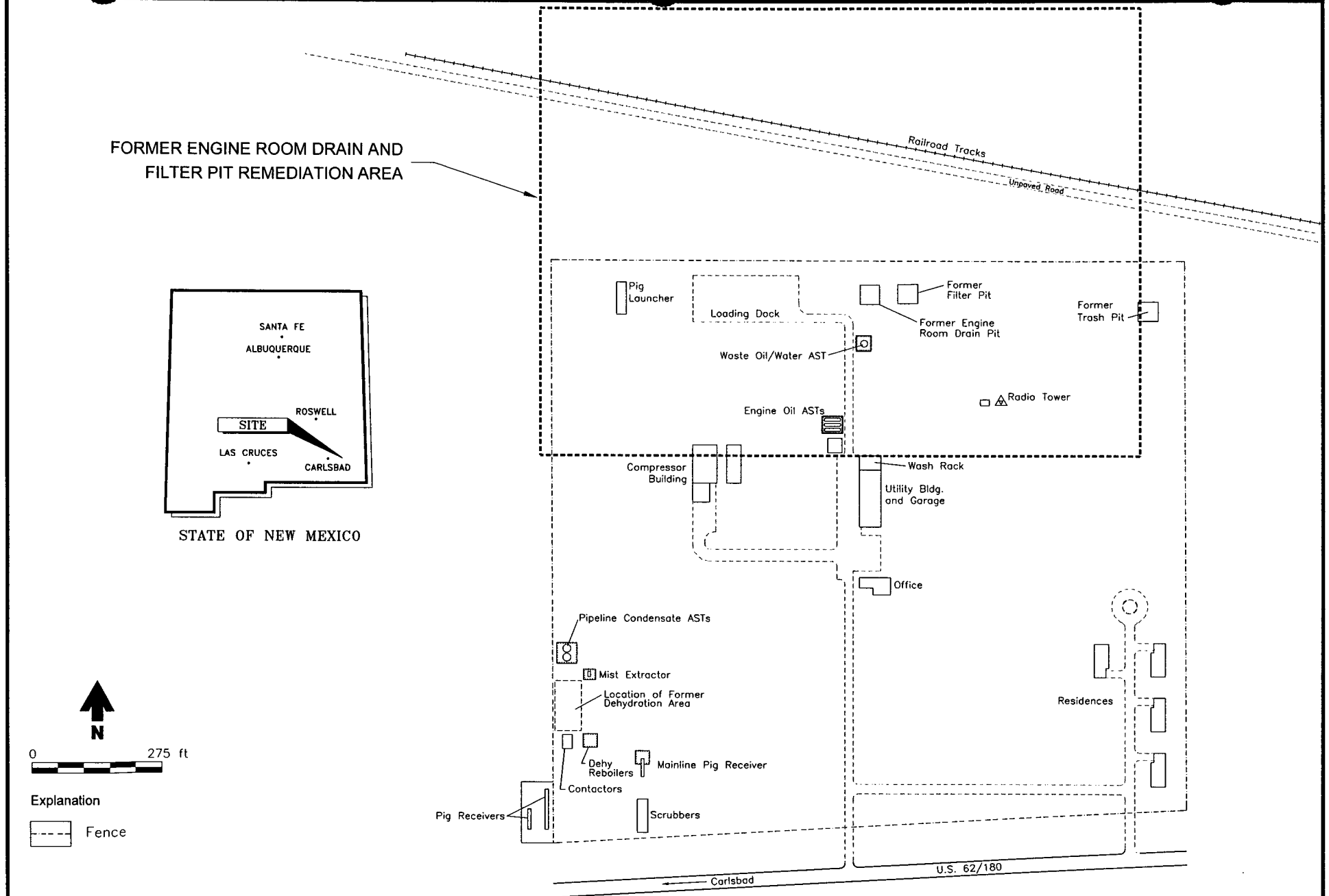


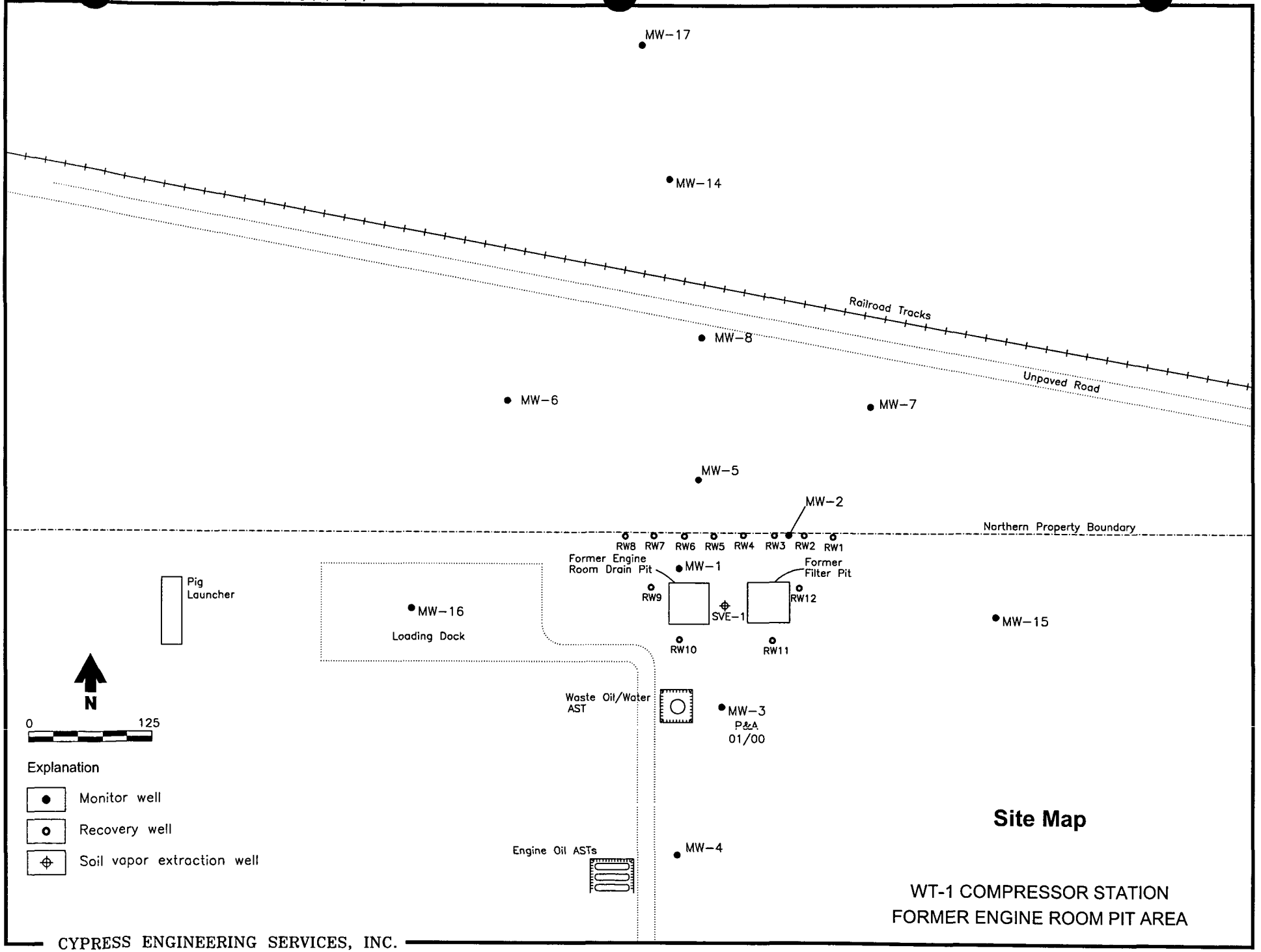
FIGURE 1

Facility Site Map

WT-1 COMPRESSOR STATION
TRANSWESTERN PIPELINE COMPANY

CYPRESS ENGINEERING SERVICES, INC.

f:/.../projects/t pit/drawings/wt-1 pit 2004-1104.dwg (02/08/05)



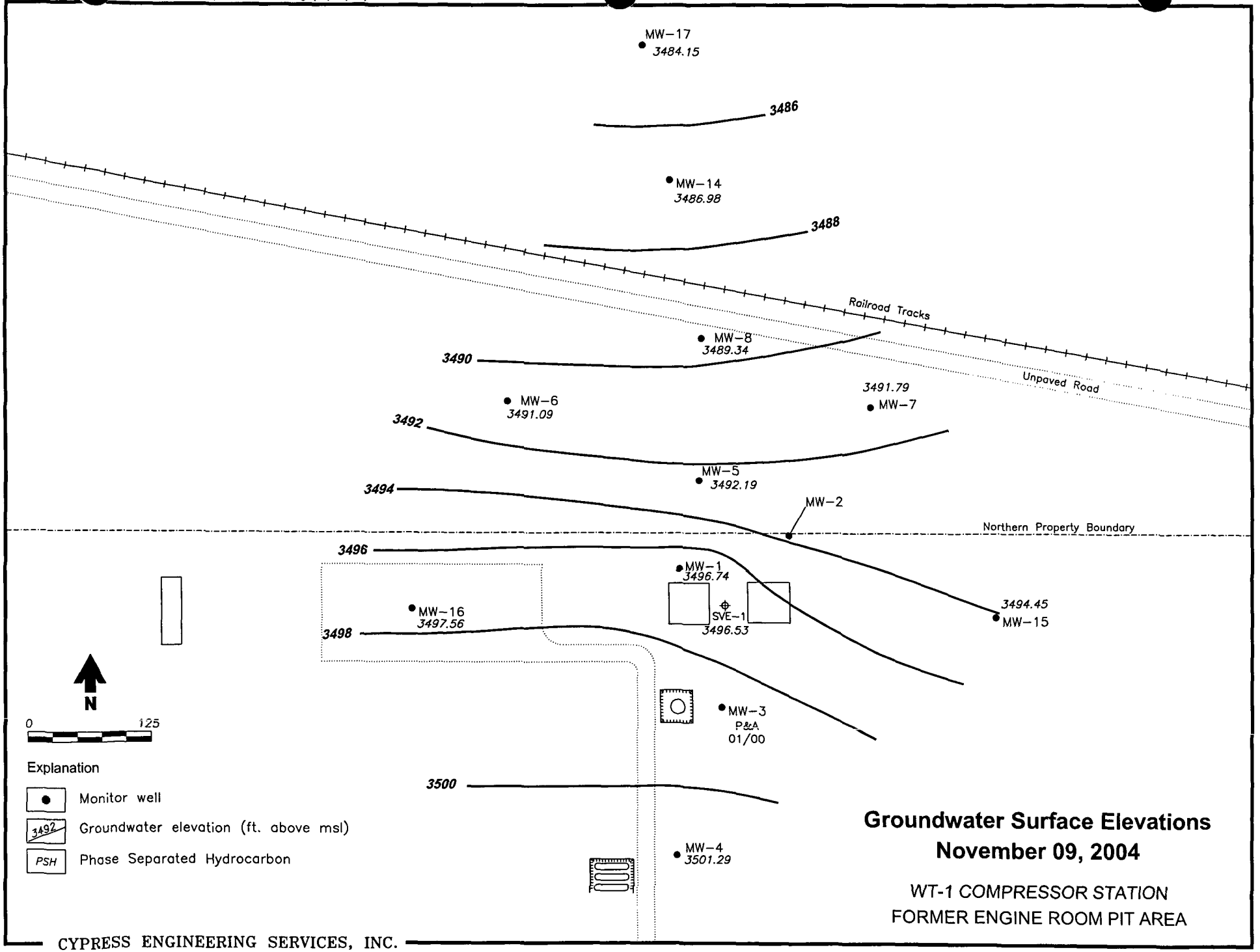
Site Map

WT-1 COMPRESSOR STATION
FORMER ENGINE ROOM PIT AREA

Figure 2

CYPRESS ENGINEERING SERVICES, INC.

f:/.../projects/t pit/drawings/wt-1 pit 2004-1104.dwg (02/08/05)



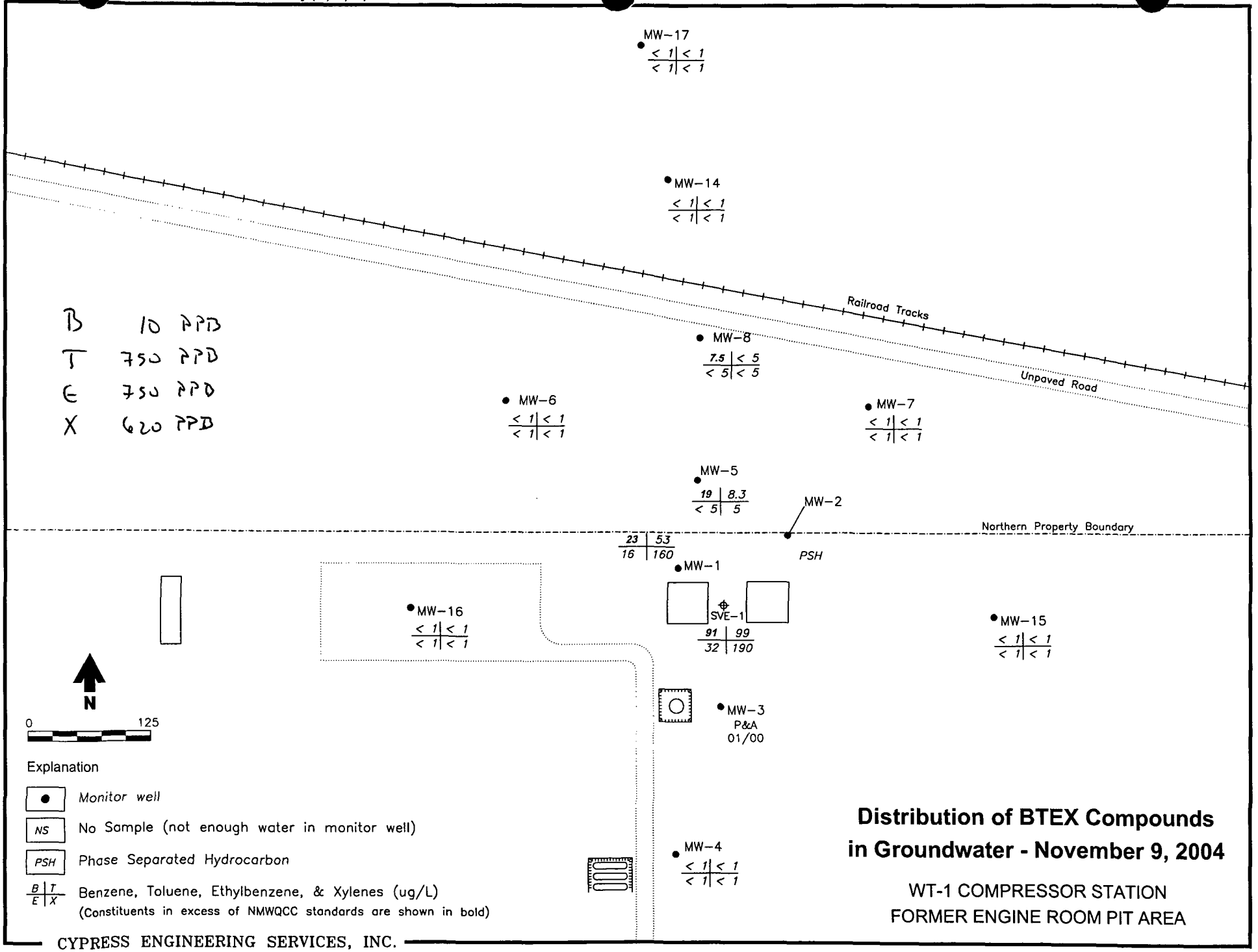
Groundwater Surface Elevations
November 09, 2004

WT-1 COMPRESSOR STATION
FORMER ENGINE ROOM PIT AREA

CYPRESS ENGINEERING SERVICES, INC.

Figure 3

f:/.../projects/ pit/drawings/wt-1 pit 2004-1104.dwg (02/08/05)



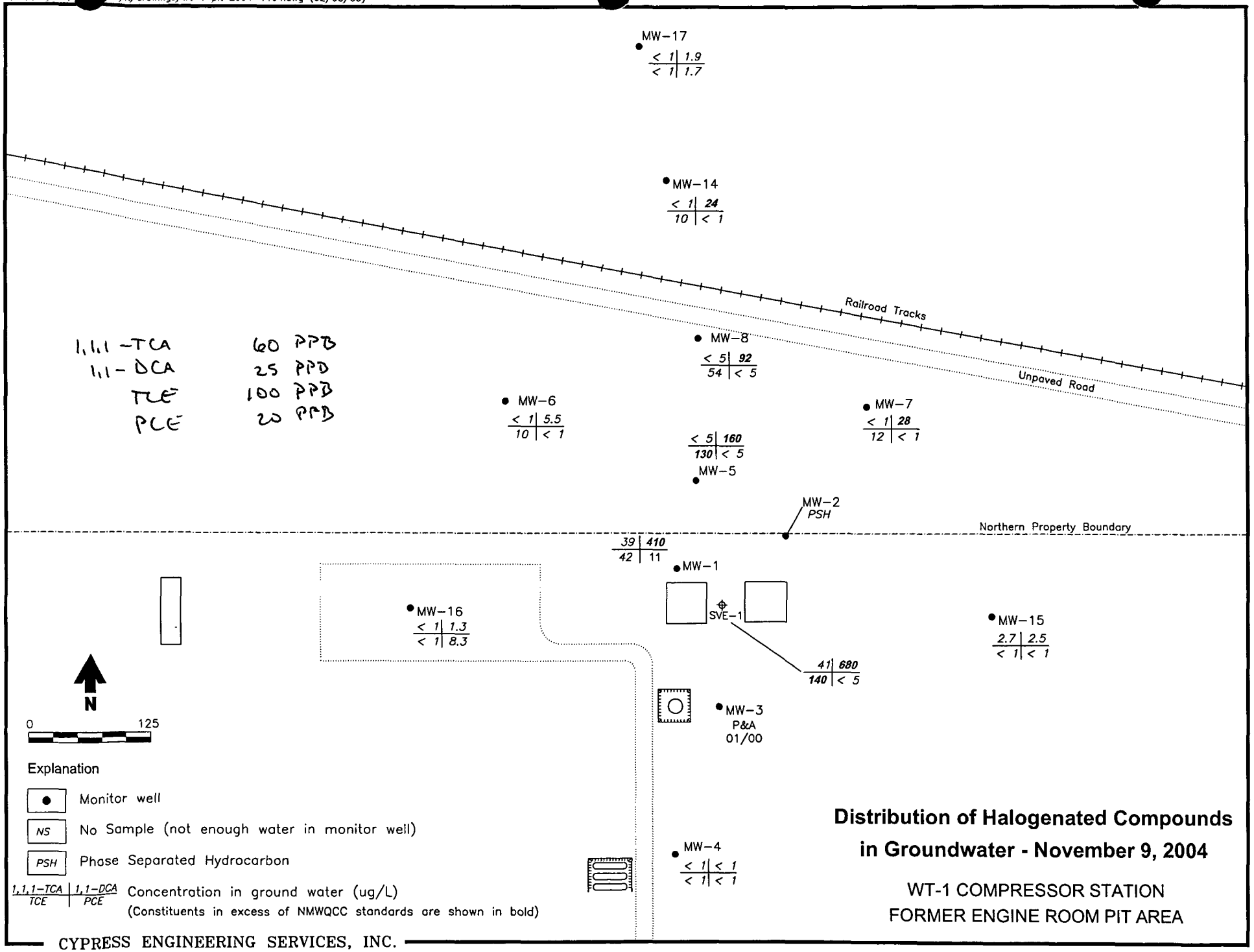
Distribution of BTEX Compounds in Groundwater - November 9, 2004

WT-1 COMPRESSOR STATION
FORMER ENGINE ROOM PIT AREA

CYPRESS ENGINEERING SERVICES, INC.

Figure 4

f:/.../projects/ 1 pit/drawings/wt-1 pit 2004-1104.dwg (02/08/05)



1,1,1-TCA 60 PPB
1,1-DCA 25 PPD
TCE 100 PPB
PCE 20 PPB

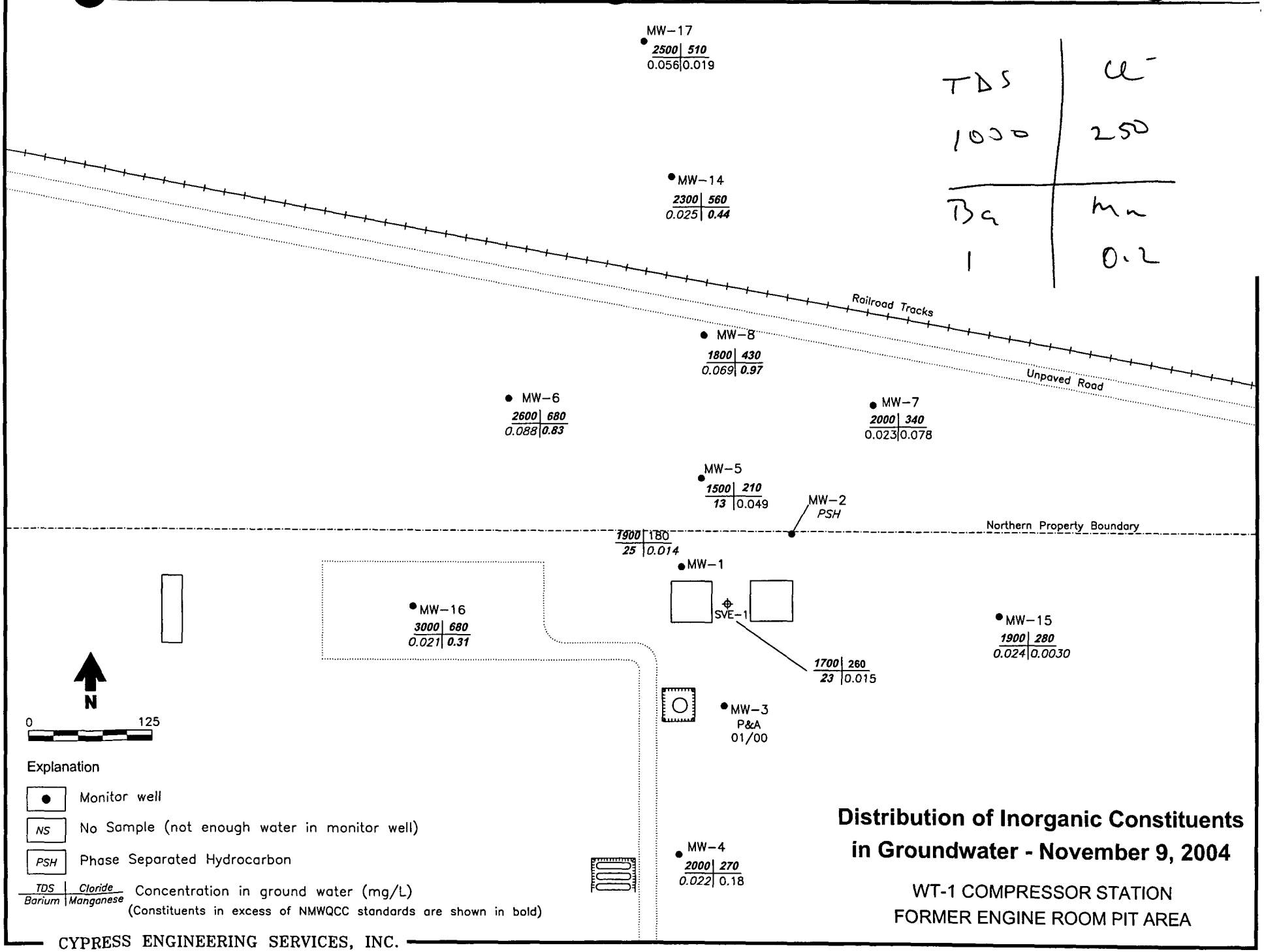
Distribution of Halogenated Compounds in Groundwater - November 9, 2004

WT-1 COMPRESSOR STATION
FORMER ENGINE ROOM PIT AREA

Figure 5

CYPRESS ENGINEERING SERVICES, INC.

f:/.../projects/ 1 pit/drawings/wt-1 pit 2004-1104.dwg (02/08/05)



TDS | Cl⁻
1000 | 250
Ba | Mn
1 | 0.2

Distribution of Inorganic Constituents in Groundwater - November 9, 2004

WT-1 COMPRESSOR STATION
FORMER ENGINE ROOM PIT AREA

CYPRESS ENGINEERING SERVICES, INC.

Figure 6

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
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	NA *	NA *
	08/04/03		(a)	dry	NA *	NA *
	05/25/04		(a)	dry	NA *	NA *
	11/09/04		(a)	dry	NA *	NA *

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-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
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

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
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

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
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

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
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

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
MW-17	11/09/04	3538.60 (d)	(a)	54.45	(a)	3484.15
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

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
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
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

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
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
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

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
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
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
	05/25/04		---	---	---	---
	11/09/04		---	---	---	---

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
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
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

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)

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

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
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
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

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-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
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
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

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
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
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
MW-17	11/10/04	4.3	7.05	19.7	2,880	>100	red sand/turbid

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
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	55.0	cloudy

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
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

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-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
	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

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-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**
	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	12	< 5.0	**160**	< 5.0	< 5.0	150	< 15	< 50	< 5.0	< 5.0	**130**	< 5.0

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
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

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-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

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-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
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

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-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
	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

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-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
	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

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-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
	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
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

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

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
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

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)
	11/09/04	sec-Butylbenzene	1.1	1
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

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	p-Isopropyltoluene	2.18	2.00
	02/18/01	Napthalene	14.4	2.00
	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
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

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)
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
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

Table 6. Summary of Groundwater Analyses - Inorganics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Major Ions (mg/L)									Metals (mg/L)											
		TDS	Chloride	Sulfate	NO_2/NO_3 - N, total	Calcium	Potassium	Magnesium	Sodium	Total alkalinity (as $CaCO_3$)	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	250	600	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-1	11/15/94	**2900**	190	< 5	< 0.06	485	59.1	175	216	1610	**0.11**	**24**	< 0.0005	< 0.01	< 0.01	0.325	< 0.002	< 0.0002	0.1	< 0.005	< 0.01	na
	09/14/95	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	11/12/96	**2370**	165	< 50	na	na	na	na	na	na	**0.13**	**22.9**	< 0.01	< 0.01	na	na	< 0.03	< 0.0002	0.05	< 0.04	< 0.01	na
	02/04/97	**2460**	172	< 5.0	na	na	na	na	na	na	**0.12**	**20**	< 0.01	< 0.01	< 0.01	0.25	< 0.03	< 0.0002	0.03	< 0.04	< 0.01	< 0.03
								(Unfiltered metals analysis)			**0.13**	**22**	< 0.01	< 0.01	< 0.01	**10**	< 0.03	< 0.0002	0.05	< 0.04	< 0.01	< 0.03
	05/10/97	**2840**	162	< 5.0	< 0.05	na	na	na	na	na	**0.15**	**22.5**	< 0.01	< 0.01	< 0.01	0.21	< 0.03	< 0.0002	0.02	< 0.04	< 0.01	< 0.03
	08/07/97	**2910**	150	< 5.0	5.4	na	na	na	na	na	**0.11**	**27**	< 0.01	< 0.01	< 0.01	0.21	< 0.03	< 0.0002	0.02	< 0.04	< 0.01	0.46
	10/09/97	**2690**	175	< 5.0	< 0.05	na	na	na	na	na	**0.16**	**26**	< 0.01	< 0.01	0.04	0.11	< 0.03	< 0.0002	0.02	< 0.04	< 0.01	0.45
	01/23/98	**1890**	160	9	0.15	na	na	na	na	na	**0.2**	**27.2**	< 0.005	< 0.01	< 0.01	0.54	< 0.05	< 0.0002	0.020	< 0.1	< 0.01	< 0.02
	04/17/98	**2100**	150	200	0.90	na	na	na	na	na	**0.2**	**26.8**	< 0.005	< 0.01	< 0.01	**8.42**	< 0.05	< 0.0002	0.018	< 0.1	< 0.01	< 0.02
Dup (MW-17)	04/17/98	**1800**	150	7	1.29	na	na	na	na	na	**0.1**	**24.9**	< 0.005	< 0.01	< 0.01	**8.92**	< 0.05	< 0.0002	0.019	< 0.1	< 0.01	< 0.02
	07/17/98	**2200**	156	9	< 0.1	na	na	na	na	na	**0.15**	**32.2**	< 0.005	< 0.01	< 0.01	**15.1**	< 0.05	< 0.0002	0.023	< 0.005	< 0.01	< 0.02
	08/21/01	**3000**	157	< 1	0.103	na	na	na	na	na	**0.152**	**10.9**	na	na	na	**4.93**	na	< 0.0002	0.0201	na	na	na
	08/01/02	**5900**	150	< 5.0	< 2.0	na	na	na	na	na	**0.25**	**33**	na	na	na	**3.0**	na	na	0.010	na	na	na
	08/05/03	**2100**	180	0.73	< 0.2	na	na	na	na	na	**0.17**	**27**	na	na	na	**8.1**	na	na	0.012	na	na	na
	11/09/04	**1900**	180	0.80	< 0.50	na	na	na	na	na	**0.15**	**25**	na	na	na	**8.7**	na	na	0.014	na	na	na
MW-4	12/01/94	**2800**	**540**	**1000**	**20**	332	5.9	153	353	273	0.007	0.025	< 0.0005	< 0.01	< 0.01	< 0.05	< 0.002	< 0.0002	0.024	0.02	< 0.01	na
	09/12/95	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	11/12/96	**2500**	**430**	**1000**	na	na	na	na	na	na	< 0.03	0.03	< 0.01	< 0.01	na	na	< 0.03	< 0.0002	0.03	< 0.04	< 0.01	na
	02/04/97	**2370**	**416**	416	na	na	na	na	na	na	< 0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0002	< 0.01	< 0.04	< 0.01	< 0.03
								(Unfiltered metals analysis)			< 0.03	0.03	< 0.01	< 0.01	< 0.01	0.57	< 0.03	< 0.0002	0.03	< 0.04	< 0.01	< 0.03
	05/10/97	**2660**	**410**	**778**	**10.7**	na	na	na	na	na	< 0.03	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	< 0.01	< 0.04	< 0.01	< 0.03
	08/06/97	**2620**	**435**	**863**	**12.8**	na	na	na	na	na	< 0.03	0.33	< 0.01	0.02	< 0.01	< 0.01	< 0.03	< 0.0002	< 0.01	**0.08**	< 0.01	0.25
	10/08/97	**2470**	**380**	**879**	9.6	na	na	na	na	na	< 0.03	0.92	< 0.01	< 0.01	< 0.01	0.14	< 0.03	< 0.0002	< 0.01	< 0.04	< 0.01	0.4
	01/23/98	**1920**	**300**	581	< 0.05	na	na	na	na	na	< 0.1	0.017	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.0002	0.188	< 0.1	< 0.01	< 0.02
	04/16/98	**1600**	**320**	**800**	**11.6**	na	na	na	na	na	< 0.1	0.026	< 0.005	< 0.01	< 0.01	0.07	< 0.05	< 0.0002	**0.201**	< 0.1	< 0.01	0.03
	07/16/98	**2300**	**301**	**900**	**14.1**	na	na	na	na	na	0.011	0.020	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.0002	0.154	0.018	< 0.01	< 0.02
	07/08/99	**2200**	**320**	**710**	**14.0**	na	na	na	na	na	0.010	0.0213	< 0.0020	< 0.0050	< 0.0020	< 0.010	< 0.025	< 0.00020	0.0381	0.020	< 0.0030	< 0.010
	07/17/00	**2240**	**370**	**820**	**15.0**	na	na	na	na	na	0.010	0.0206	na	na	na	0.030	na	< 0.00020	0.0011	na	na	na
	08/21/01	**2400**	**411**	**782**	**5.11**	na	na	na	na	na	< 0.05	0.0196	na	na	na	<0.05	na	< 0.0002	< 0.01	na	na	na
	08/01/02	**2200**	**310**	**670**	**10**	na	na	na	na	na	< 0.010	0.023	na	na	na	< 0.020	na	na	0.085	na	na	na
	08/05/03	**2100**	**280**	**630**	**6.5**	na	na	na	na	na	< 0.020	0.042	na	na	na	< 0.020	na	na	0.15	na	na	na
	11/09/04	**2000**	**270**	**580**	**6.7**	na	na	na	na	na	< 0.020	0.022	na	na	na	< 0.020	na	na	0.18	na	na	na

Table 6. Summary of Groundwater Analyses - Inorganics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Major Ions (mg/L)									Metals (mg/L)											
		TDS	Chloride	Sulfate	NO_2/NO_3 - N, total	Calcium	Potassium	Magnesium	Sodium	Total alkalinity (as $CaCO_3$)	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	250	600	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-5	12/01/94	**2000**	**360**	< 5	< 0.06	185	6.1	200	326	1080	0.036	**17.3**	< 0.0005	< 0.01	< 0.01	0.097	< 0.002	< 0.0002	0.112	< 0.005	< 0.01	na
	09/12/95	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	11/12/96	**2610**	**495**	< 25	na	na	na	na	na	na	0.06	**25.9**	< 0.01	< 0.01	na	na	< 0.03	< 0.0002	**0.43**	< 0.04	< 0.01	na
	02/06/97	**2300**	**4400**	< 5.0	na	na	na	na	na	na	0.04	**21**	< 0.01	< 0.01	< 0.01	0.21	< 0.03	< 0.0002	0.02	< 0.04	< 0.01	0.04
									(Unfiltered metals analysis)		0.12	**22**	< 0.01	0.02	0.02	**27**	0.04	< 0.0002	**0.56**	< 0.04	< 0.01	0.09
	05/10/97	**2340**	**380**	< 5.0	< 0.05	na	na	na	na	na	0.05	**22.2**	< 0.01	< 0.01	< 0.01	0.12	< 0.03	< 0.0002	0.01	< 0.04	< 0.01	< 0.03
	08/07/97	**1870**	**300**	< 5.0	0.09	na	na	na	na	na	< 0.03	**16**	< 0.01	< 0.01	< 0.01	0.08	< 0.03	< 0.0002	< 0.01	< 0.04	< 0.01	0.24
	10/09/97	**2090**	**320**	< 5.0	< 0.05	na	na	na	na	na	< 0.03	**23**	< 0.01	< 0.01	< 0.01	0.02	< 0.03	< 0.0002	< 0.01	< 0.04	< 0.01	0.23
Dup (MW-17)	10/09/97	**2100**	**340**	< 5.0	< 0.05	na	na	na	na	na	< 0.03	**16**	< 0.01	< 0.01	< 0.01	0.01	< 0.03	< 0.0002	< 0.01	< 0.04	< 0.01	0.23
	01/24/98	**1640**	**300**	4	< 0.05	na	na	na	na	na	< 0.05	**15.5**	< 0.005	< 0.01	< 0.01	0.19	< 0.05	< 0.0002	0.017	< 0.1	< 0.01	< 0.02
Dup (MW-17)	01/24/98	**1680**	**300**	4	< 0.05	na	na	na	na	na	0.1	**16.4**	< 0.005	< 0.01	< 0.01	0.19	< 0.05	< 0.0002	0.015	< 0.1	< 0.01	< 0.02
	04/17/98	**1400**	**290**	200	0.88	na	na	na	na	na	< 0.1	**14.4**	< 0.005	< 0.01	< 0.01	**1.29**	< 0.05	< 0.0002	0.022	< 0.1	< 0.01	0.03
	07/17/98	**1600**	**281**	3	< 0.1	na	na	na	na	na	0.020	**13.7**	< 0.005	< 0.01	< 0.01	**4.61**	< 0.05	< 0.0002	0.018	< 0.005	< 0.01	< 0.02
	07/09/99	**1800**	**260**	< 25	< 0.01	na	na	na	na	na	0.019	**13.3**	< 0.0020	< 0.0050	< 0.0020	**2.50**	< 0.025	< 0.00020	0.0224	< 0.010	< 0.0030	< 0.010
	07/18/00	**1740**	**270**	< 3.0	< 0.01	na	na	na	na	na	0.022	**13.2**	na	na	na	**2.80**	na	< 0.00020	0.0233	na	na	na
	08/21/01	**1860**	**253**	< 1	0.0842	na	na	na	na	na	< 0.05	**4.09**	na	na	na	**1.34**	na	< 0.0002	0.025	na	na	na
	08/01/02	**1700**	240	< 5	< 2	na	na	na	na	na	**0.12**	**14**	na	na	na	0.30	na	na	0.027	na	na	na
	08/05/03	**1600**	**250**	< 0.5	< 0.2	na	na	na	na	na	< 0.02	**12**	na	na	na	**3.0**	na	na	0.035	na	na	na
	11/10/04	**1500**	**210**	1.6	< 0.50	na	na	na	na	na	< 0.020	**13**	na	na	na	**4.9**	na	na	0.049	na	na	na

Table 6. Summary of Groundwater Analyses - Inorganics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Major Ions (mg/L)									Metals (mg/L)											
		TDS	Chloride	Sulfate	NO_2/NO_3 - N, total	Calcium	Potassium	Magnesium	Sodium	Total alkalinity (as $CaCO_3$)	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	250	600	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-6	11/30/94	**2400**	**700**	410	< 0.06	293	7.1	197	267	624	< 0.005	0.109	< 0.0005	< 0.01	0.014	< 0.05	< 0.002	< 0.0002	**0.562**	< 0.005	< 0.01	na
	09/12/95	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	11/12/96	**2460**	**715**	527	na	na	na	na	na	na	< 0.03	0.37	< 0.01	< 0.01	na	na	< 0.03	< 0.0002	**0.95**	< 0.04	< 0.01	na
	02/04/97	**2390**	**700**	467	na	na	na	na	na	na	< 0.03	0.12	< 0.01	< 0.01	< 0.01	0.01	< 0.03	< 0.0002	**0.79**	< 0.04	< 0.01	< 0.03
									(Unfiltered metals analysis)		< 0.03	0.55	< 0.01	0.02	0.03	**14**	< 0.03	< 0.0002	**1.1**	< 0.04	< 0.01	0.05
	05/10/97	**2550**	**700**	463	< 0.05	na	na	na	na	na	< 0.03	0.1	< 0.01	< 0.01	< 0.01	0.01	< 0.03	< 0.0002	**0.69**	< 0.04	< 0.01	< 0.03
	08/07/97	**2660**	**720**	427	0.4	na	na	na	na	na	< 0.03	0.8	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	**0.93**	< 0.04	< 0.01	0.29
	10/09/97	**2710**	**710**	468	< 0.05	na	na	na	na	na	< 0.03	0.95	< 0.01	< 0.01	< 0.01	0.18	< 0.03	< 0.0002	**0.91**	< 0.04	< 0.01	0.4
	01/23/98	**2190**	**700**	378	< 0.05	na	na	na	na	na	< 0.1	0.121	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.0002	**0.933**	< 0.1	< 0.01	< 0.02
	04/16/98	**1700**	**720**	500	0.89	na	na	na	na	na	< 0.1	0.112	< 0.005	< 0.01	< 0.01	0.7	< 0.05	< 0.0002	**0.844**	< 0.1	< 0.01	< 0.02
	07/16/98	**2100**	**620**	550	< 0.1	na	na	na	na	na	0.008	0.110	< 0.005	< 0.01	< 0.01	0.70	< 0.05	< 0.0002	**0.832**	< 0.005	< 0.01	< 0.02
	07/08/99	**2400**	**720**	390	< 0.01	na	na	na	na	na	< 0.010	0.114	< 0.0020	< 0.0050	< 0.0020	0.638	< 0.025	< 0.00020	**0.888**	< 0.010	< 0.0030	< 0.010
	07/18/00	**2390**	**780**	450	< 0.01	na	na	na	na	na	< 0.010	0.1140	na	na	na	0.707	na	< 0.00020	**0.804**	na	na	na
	08/21/01	**3380**	**802**	411	0.0636	na	na	na	na	na	< 0.05	< 0.01	na	na	na	0.103	na	< 0.0002	< 0.01	na	na	na
	08/01/02	**2700**	**740**	490	< 2.0	na	na	na	na	na	0.025	0.11	na	na	na	0.36	na	na	**0.88**	na	na	na
	08/05/03	**2600**	**720**	560	< 0.2	na	na	na	na	na	< 0.020	0.12	na	na	na	1.0	na	na	**0.93**	na	na	na
	11/09/04	**2600**	**680**	540	< 0.50	na	na	na	na	na	< 0.020	0.088	na	na	na	0.74	na	na	**0.83**	na	na	na
MW-7	11/30/94	**2400**	**400**	**920**	6.8	323	7.9	148	244	327	0.006	0.032	< 0.0005	< 0.01	0.014	< 0.05	< 0.002	< 0.0002	0.069	0.008	< 0.01	na
	09/12/95	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	11/12/96	**2240**	**400**	**823**	na	na	na	na	na	na	< 0.03	**1.27**	< 0.01	0.01	na	na	< 0.03	< 0.0002	**0.6**	< 0.04	< 0.01	na
	02/04/97	**2100**	**380**	**779**	na	na	na	na	na	na	< 0.03	0.04	< 0.01	< 0.01	< 0.01	0.01	< 0.03	< 0.0002	0.04	< 0.04	< 0.01	< 0.03
									(Unfiltered metals analysis)		0.12	**3.2**	< 0.01	0.04	0.06	**41**	0.04	< 0.0002	**1.2**	< 0.04	< 0.01	0.14
	05/10/97	**2250**	**390**	**757**	7.3	na	na	na	na	na	< 0.03	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	0.04	< 0.04	< 0.01	< 0.03
	08/07/97	**2310**	**370**	**716**	4.1	na	na	na	na	na	< 0.03	0.61	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	0.09	< 0.04	< 0.01	0.22
	10/09/97	**2190**	**410**	**784**	7	na	na	na	na	na	< 0.03	0.81	< 0.01	< 0.01	< 0.01	0.19	< 0.03	< 0.0002	0.07	< 0.04	< 0.01	0.35
	01/23/98	**1700**	**400**	**646**	8.4	na	na	na	na	na	< 0.1	0.018	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.0002	0.042	< 0.1	< 0.01	< 0.02
	04/17/98	**1800**	**410**	**900**	8.38	na	na	na	na	na	< 0.1	0.021	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.0002	0.051	< 0.1	< 0.01	0.02
	07/16/98	**1900**	**301**	**800**	8.2	na	na	na	na	na	0.007	0.019	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.0002	0.061	0.012	< 0.01	< 0.02
	07/08/99	**2100**	**360**	**670**	8.0	na	na	na	na	na	< 0.010	0.0191	< 0.0020	< 0.0050	< 0.0020	< 0.010	< 0.025	< 0.00020	0.0517	0.012	< 0.0030	< 0.010
	07/18/00	**2040**	**390**	**730**	8.0	na	na	na	na	na	< 0.010	0.0184	na	na	na	< 0.010	na	< 0.00020	0.0384	na	na	na
	08/21/01	**2290**	**394**	**632**	3.46	na	na	na	na	na	< 0.05	0.0215	na	na	na	< 0.05	na	< 0.0002	0.0459	na	na	na
	08/01/02	**2000**	**380**	**650**	7.5	na	na	na	na	na	< 0.010	0.022	na	na	na	< 0.020	na	na	0.061	na	na	na
	08/05/03	**2000**	**380**	**660**	6.7	na	na	na	na	na	< 0.020	0.019	na	na	na	< 0.020	na	na	0.060	na	na	na
	11/10/04	**2000**	**340**	**610**	6.1	na	na	na	na	na	< 0.020	0.023	na	na	na	0.12	na	na	0.078	na	na	na

Table 6. Summary of Groundwater Analyses - Inorganics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Major Ions (mg/L)									Metals (mg/L)											
		TDS	Chloride	Sulfate	NO_2/NO_3 - N, total	Calcium	Potassium	Magnesium	Sodium	Total alkalinity (as $CaCO_3$)	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	250	600	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-8	11/30/94	**1900**	**590**	330	0.44	247	6	137	221	441	0.006	0.052	< 0.0005	< 0.01	0.014	< 0.05	< 0.002	< 0.0002	0.136	< 0.005	< 0.01	na
	09/13/95	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	11/12/96	**2010**	**555**	395	na	na	na	na	na	na	< 0.03	0.13	< 0.01	< 0.01	na	na	< 0.03	< 0.0002	**0.41**	< 0.04	< 0.01	na
	02/06/97	**2000**	**575**	222	na	na	na	na	na	na	< 0.03	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	**0.44**	< 0.04	< 0.01	< 0.03
								(Unfiltered metals analysis)			< 0.03	0.27	< 0.01	0.02	0.02	**8.9**	< 0.03	< 0.0002	**0.72**	< 0.04	< 0.01	0.05
	05/10/97	**1990**	**550**	263	< 0.05	na	na	na	na	na	< 0.03	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	**0.52**	< 0.04	< 0.01	< 0.03
	08/07/97	**2020**	**540**	251	0.07	na	na	na	na	na	< 0.03	0.8	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	**0.67**	< 0.04	< 0.01	0.24
	10/09/97	**2100**	**570**	242	< 0.05	na	na	na	na	na	< 0.03	0.7	< 0.01	< 0.01	< 0.01	0.18	< 0.03	< 0.0002	**0.86**	< 0.04	< 0.01	0.25
	01/24/98	**1740**	**500**	248	< 0.05	na	na	na	na	na	< 0.1	0.071	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.0002	**0.543**	< 0.1	< 0.01	< 0.02
	04/17/98	**1300**	**550**	400	0.88	na	na	na	na	na	< 0.1	0.071	< 0.005	< 0.01	< 0.01	0.65	< 0.05	< 0.0002	**0.751**	< 0.1	< 0.01	< 0.02
	07/17/98	**1500**	**557**	400	< 0.1	na	na	na	na	na	0.008	0.063	< 0.005	< 0.01	< 0.01	0.03	< 0.05	< 0.0002	**0.506**	< 0.005	< 0.01	< 0.02
Dup (MW-17)	07/17/98	**1500**	**578**	30	< 0.1	na	na	na	na	na	0.008	0.070	< 0.005	< 0.01	< 0.01	0.09	< 0.05	< 0.0002	**0.654**	< 0.005	< 0.01	< 0.02
	07/09/99	**1900**	**550**	250	0.09	na	na	na	na	na	< 0.010	0.0731	< 0.0020	< 0.0050	< 0.0020	0.141	< 0.025	< 0.00020	**0.781**	< 0.010	< 0.0030	< 0.010
Dup (MW-17)	07/09/99	**1900**	**540**	250	0.11	na	na	na	na	na	< 0.010	0.0728	< 0.0020	< 0.0050	0.0029	0.242	< 0.025	< 0.00020	**0.731**	< 0.010	< 0.0030	< 0.010
	07/18/00	**1790**	**580**	240	0.02	na	na	na	na	na	< 0.010	0.0703	na	na	na	0.082	na	< 0.00020	**0.734**	na	na	na
Dup (MW-17)	07/18/00	**1830**	**580**	240	0.02	na	na	na	na	na	< 0.010	0.0712	na	na	na	0.107	na	< 0.00020	**0.734**	na	na	na
	08/21/01	**2430**	**576**	195	< 0.01	na	na	na	na	na	< 0.05	0.0717	na	na	na	0.0909	na	< 0.0002	**0.903**	na	na	na
Dup (MW-17)	08/21/01	**2460**	**647**	172	0.0813	na	na	na	na	na	< 0.05	0.078	na	na	na	0.097	na	< 0.0002	**0.948**	na	na	na
	08/01/02	**1900**	**490**	170	< 2.0	na	na	na	na	na	< 0.010	0.082	na	na	na	0.026	na	na	**0.91**	na	na	na
Dup (MW-18)	08/01/02	**1800**	**510**	170	< 2.0	na	na	na	na	na	< 0.010	0.080	na	na	na	0.024	na	na	**0.94**	na	na	na
	08/05/03	**1700**	**470**	180	< 0.2	na	na	na	na	na	< 0.020	0.11	na	na	na	0.18	na	na	**1.0**	na	na	na
Dup (MW-19)	08/05/03	**1700**	**490**	170	< 0.2	na	na	na	na	na	< 0.020	0.16	na	na	na	0.18	na	na	**0.98**	na	na	na
	11/09/04	**1800**	**430**	160	< 0.50	na	na	na	na	na	< 0.020	0.069	na	na	na	0.15	na	na	**0.97**	na	na	na

Table 6. Summary of Groundwater Analyses - Inorganics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Major Ions (mg/L)									Metals (mg/L)											
		TDS	Chloride	Sulfate	NO_2/NO_3 - N, total	Calcium	Potassium	Magnesium	Sodium	Total alkalinity (as $CaCO_3$)	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	250	600	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW-14	09/13/95	**2360**	**515**	**700**	1.91	276	7	147	170	444	< 0.05	0.14	< 0.005	< 0.01	na	na	< 0.05	< 0.0002	na	< 0.1	< 0.01	na
	11/12/96	**2510**	**550**	**837**	na	na	na	na	na	na	< 0.03	0.05	< 0.01	< 0.01	na	na	< 0.03	< 0.0002	0.07	< 0.04	< 0.01	na
	02/04/97	**2510**	**575**	**757**	na	na	na	na	na	na	< 0.03	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	0.06	< 0.04	< 0.01	< 0.03
								(Unfiltered metals analysis)			< 0.03	0.13	< 0.01	< 0.01	< 0.01	**1.9**	< 0.03	< 0.0002	**0.1**	< 0.04	< 0.01	< 0.03
	05/10/97	**2530**	**520**	**715**	2.2	na	na	na	na	na	< 0.03	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	0.07	< 0.04	< 0.01	< 0.03
	08/07/97	**2420**	**520**	**662**	1.9	na	na	na	na	na	< 0.03	0.73	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	0.11	< 0.04	< 0.01	0.22
	10/08/97	**2490**	**550**	**769**	2.3	na	na	na	na	na	< 0.03	0.54	< 0.01	< 0.01	< 0.01	0.18	< 0.03	< 0.0002	0.11	< 0.04	< 0.01	0.22
	01/23/98	**2200**	**500**	**663**	2.9	na	na	na	na	na	< 0.1	0.018	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.0002	0.080	< 0.1	< 0.01	< 0.02
	04/17/98	**2000**	**540**	**800**	3.72	na	na	na	na	na	< 0.1	0.028	< 0.005	< 0.01	< 0.01	0.03	**0.05**	< 0.0002	0.119	< 0.1	< 0.01	0.02
	07/17/98	**1800**	**557**	**700**	2.8	na	na	na	na	na	0.011	0.021	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.0002	0.136	0.010	< 0.01	0.02
	07/09/99	**2400**	**530**	**640**	2.7	na	na	na	na	na	< 0.010	0.0216	< 0.0020	< 0.0050	0.0025	< 0.010	< 0.025	< 0.00020	0.111	< 0.010	< 0.0030	< 0.010
	07/18/00	**2310**	**570**	**690**	2.1	na	na	na	na	na	< 0.010	0.0182	na	na	na	< 0.010	na	< 0.00020	0.105	na	na	na
	08/21/01	**2900**	**593**	597	0.817	na	na	na	na	na	< 0.05	0.0228	na	na	na	< 0.05	na	< 0.0002	0.173	na	na	na
	08/01/02	**2300**	**510**	580	1.2	na	na	na	na	na	< 0.010	0.026	na	na	na	< 0.020	na	na	**0.31**	na	na	na
	08/05/03	**2300**	**560**	**610**	0.71	na	na	na	na	na	< 0.020	0.280	na	na	na	< 0.020	na	na	**0.42**	na	na	na
	11/10/04	**2300**	**560**	**590**	0.95	na	na	na	na	na	< 0.020	0.025	na	na	na	< 0.020	na	na	**0.44**	na	na	na
MW15	09/14/95	**2500**	**442**	**900**	**13.2**	291	6.5	137	206	286	< 0.05	0.02	< 0.005	< 0.01	na	na	< 0.05	< 0.0002	na	< 0.1	0.01	na
	11/12/96	**2420**	**435**	**892**	na	na	na	na	na	na	< 0.03	0.06	< 0.01	< 0.01	na	na	< 0.03	< 0.0002	0.02	< 0.04	< 0.01	na
	02/04/97	**2360**	**420**	**924**	na	na	na	na	na	na	< 0.03	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	< 0.01	< 0.04	< 0.01	< 0.03
								(Unfiltered metals analysis)			< 0.03	0.17	< 0.01	< 0.01	< 0.01	**2.3**	< 0.03	< 0.0002	0.06	< 0.04	< 0.01	< 0.03
	05/10/97	**2530**	**860**	**1020**	**10.2**	na	na	na	na	na	< 0.03	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	< 0.01	< 0.04	< 0.01	< 0.03
	08/07/97	**2510**	**410**	**825**	**10.2**	na	na	na	na	na	< 0.03	0.63	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	< 0.01	< 0.04	< 0.01	0.26
	10/08/97	**2400**	**420**	**941**	5.8	na	na	na	na	na	< 0.03	0.53	< 0.01	< 0.01	< 0.01	0.19	< 0.03	< 0.0002	< 0.01	< 0.04	< 0.01	0.23
	01/23/98	**2150**	**400**	**766**	**12.54**	na	na	na	na	na	< 0.1	0.014	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.0002	< 0.005	< 0.1	< 0.01	< 0.02
	04/16/98	**1700**	**420**	**1000**	**19.6**	na	na	na	na	na	< 0.1	0.020	< 0.005	< 0.01	< 0.01	0.06	< 0.05	< 0.0002	< 0.005	< 0.1	< 0.01	0.03
	07/17/98	**1800**	**386**	**1000**	**11.9**	na	na	na	na	na	0.012	0.018	< 0.005	< 0.01	< 0.01	0.24	< 0.05	< 0.0002	< 0.005	0.020	< 0.01	< 0.02
	07/08/99	**2100**	**340**	**710**	**13.0**	na	na	na	na	na	< 0.010	0.0231	< 0.0020	< 0.0050	< 0.0020	0.144	< 0.025	< 0.00020	0.0014	0.016	< 0.0030	< 0.010
	07/17/00	**1970**	**350**	**730**	**13.0**	na	na	na	na	na	< 0.010	0.0226	na	na	na	0.042	na	< 0.00020	0.002	na	na	na
	08/21/01	**2290**	**368**	**736**	**4.96**	na	na	na	na	na	< 0.05	0.0283	na	na	na	< 0.05	na	< 0.0002	< 0.01	na	na	na
	08/01/02	**2000**	**340**	**740**	**12**	na	na	na	na	na	0.043	0.045	na	na	na	< 0.020	na	na	< 0.002	na	na	na
	08/05/03	**2000**	**320**	**730**	**11**	na	na	na	na	na	< 0.020	0.022	na	na	na	< 0.020	na	na	< 0.002	na	na	na
	11/09/04	**1900**	**280**	**630**	**8.7**	na	na	na	na	na	< 0.020	0.024	na	na	na	< 0.020	na	na	0.0030	na	na	na

Table 6. Summary of Groundwater Analyses - Inorganics
TW WT-1 Station Engine Room Pit Area

Well ID	Sampling Date	Major Ions (mg/L)									Metals (mg/L)											
		TDS	Chloride	Sulfate	NO_2/NO_3 - N, total	Calcium	Potassium	Magnesium	Sodium	Total alkalinity (as $CaCO_3$)	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Manganese	Selenium	Silver	Zinc
NMWQCC Standard		1000	250	600	10	none	none	none	none	none	0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.002	0.2	0.05	0.05	10
MW16	09/14/95	**2570**	**624**	**850**	2.62	320	9.7	188	211	410	< 0.05	0.22	< 0.005	0.02	na	na	< 0.05	0.0003	na	< 0.1	< 0.01	na
	11/12/96	**3550**	**995**	**1020**	na	na	na	na	na	na	< 0.03	0.06	< 0.01	< 0.01	na	na	< 0.03	< 0.0002	**1.21**	< 0.04	< 0.01	na
	02/04/97	**3470**	**950**	**830**	na	na	na	na	na	na	< 0.03	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	**1.1**	< 0.04	< 0.01	< 0.03
								(Unfiltered metals analysis)			0.07	0.37	< 0.01	0.02	0.04	**27**	0.04	< 0.0002	**1.8**	< 0.04	< 0.01	0.1
	05/10/97	**3520**	**420**	**1110**	1.6	na	na	na	na	na	< 0.03	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	**1.07**	< 0.04	0.02	0.02
	08/06/97	**3480**	**860**	**1010**	1.7	na	na	na	na	na	< 0.03	0.67	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0002	**1.1**	< 0.04	0.02	0.29
	10/08/97	**3370**	**860**	**904**	0.95	na	na	na	na	na	< 0.03	0.52	< 0.01	< 0.01	< 0.01	0.26	< 0.03	< 0.0002	**1.14**	< 0.04	< 0.01	0.25
	01/23/98	**2730**	**800**	**824**	0.91	na	na	na	na	na	< 0.1	0.019	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.0002	**0.971**	< 0.1	< 0.01	< 0.02
	04/16/98	**2400**	**710**	**1100**	1.78	na	na	na	na	na	< 0.1	0.026	< 0.005	< 0.01	< 0.01	0.04	< 0.05	< 0.0002	**0.941**	< 0.1	< 0.01	< 0.02
	07/16/98	**2500**	**620**	**1100**	1.2	na	na	na	na	na	< 0.005	0.023	< 0.005	< 0.01	< 0.01	< 0.02	< 0.05	< 0.0002	**0.913**	< 0.005	< 0.01	0.03
	07/08/99	**3200**	**830**	**920**	1.8	na	na	na	na	na	< 0.010	0.0240	< 0.0020	< 0.0050	0.0020	< 0.010	< 0.025	< 0.00020	**0.781**	< 0.010	< 0.0030	< 0.010
	07/17/00	**3080**	**890**	**1000**	2.1	na	na	na	na	na	< 0.010	0.0204	na	na	na	0.0140	na	< 0.00020	**0.957**	na	na	na
	08/21/01	**3530**	**809**	**937**	0.295	na	na	na	na	na	< 0.05	0.019	na	na	na	< 0.05	na	< 0.0002	**1.52**	na	na	na
	08/01/02	**3000**	**690**	**930**	1.5	na	na	na	na	na	0.040	0.028	na	na	na	< 0.020	na	na	**0.85**	na	na	na
	08/05/03	**3000**	**700**	**980**	1.4	na	na	na	na	na	< 0.020	0.016	na	na	na	< 0.020	na	na	**0.61**	na	na	na
	11/09/04	**3000**	**680**	**960**	2.0	na	na	na	na	na	< 0.020	0.021	na	na	na	< 0.020	na	na	**0.31**	na	na	na
MW-17	11/10/04	**2500**	**570**	**680**	8.5	na	na	na	na	na	< 0.020	0.056	na	na	na	0.021	na	na	0.019	na	na	na
SVE-1A	07/18/01	**1870**	**300**	< 3.0	0.03	na	na	na	na	na	0.067	**30.7**	na	na	na	**6.79**	na	0.00020	0.0257	na	na	na
	08/21/01	**2030**	193	6.69	< 0.01	na	na	na	na	na	**0.109**	**8.71**	na	na	na	0.531	na	< 0.0002	0.0112	na	na	na
	08/01/02	**1700**	190	< 5.0	< 2.0	na	na	na	na	na	**0.21**	**29**	na	na	na	0.29	na	na	0.010	na	na	na
	08/05/03	**1700**	240	< 0.5	< 0.2	na	na	na	na	na	**0.12**	**24**	na	na	na	**5.3**	na	na	0.0092	na	na	na
	11/10/04	**1700**	**260**	0.59	< 0.50	na	na	na	na	na	**0.12**	**23**	na	na	na	**6.8**	na	na	0.015	na	na	na

NOTES:
(a) na - Analysis for this constituent was not run on samples collected during this sample event

Table 7. 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-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
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

Table 7. 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-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 8. Monitor Well Sampling Locations, Frequency, and Sample Analysis Plan
TW WT-1 Station Engine Room Pit Area

	Analytical Requirements			
Well ID	1st Semiannual Event	2nd Semiannual Event	1,1-DCA (ppb) Latest Result	Comments
MW-1	VOC's	VOC's & Inorganics	440	
MW-2	na	na	na	Well contains PSH
MW-3	na	na	na	Well abandoned
MW-4	VOC's	VOC's & Inorganics	< 1	
MW-5	VOC's	VOC's & Inorganics	220	
MW-6	VOC's	VOC's & Inorganics	8.2	
MW-7	VOC's	VOC's & Inorganics	36	
MW-8	VOC's	VOC's & Inorganics	150	
MW-14	VOC's	VOC's & Inorganics	33	
MW-15	VOC's	VOC's & Inorganics	2.5	
MW-16	VOC's	VOC's & Inorganics	1.7	
MW-17	VOC's	VOC's & Inorganics	na	
SVE-1A	VOC's	VOC's & Inorganics	630	

Notes:
1) VOC's by 8260
2) Inorganics include TDS, Cl, NO2/NO3 as N, As, Ba, Fe & Mn
3) "Comments" are provided for wells that will not be sampled during one or more events

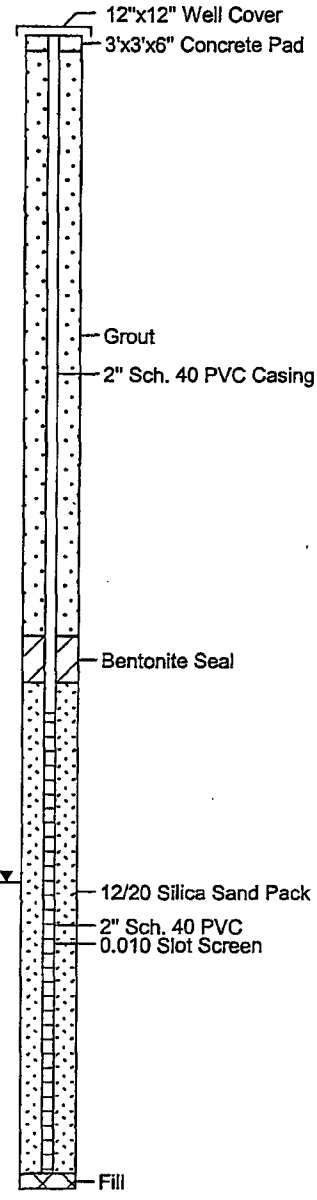
APPENDIX A

Soil Boring Log & Completion Detail for Monitor Well MW-17

Atkins Engineering Associates, Inc. 2904 W. 2nd St., Roswell, NM 88202-3156	LOG OF BORING (Page 1 of 1)

Cypress Engineering 7171 Hwy. 6 North, Suite 102 Houston, TX 77095	Date	: 10-28-04	Site Location : Transwestern WT-1
	Drill Start	: 0850	: Carlsbad, NM
	Drill End	: 1300	Air Rotary : 6¼ Hole
Contact: Sandra Sharp	Boring Location	: 200'± N of WT-1's N Fence	Logged By : Mort Bates
Job#: CYPRESS.WT1.04			

Depth in Feet	GRAPHIC	USCS	Samples	DESCRIPTION	Lab No.
0		SM		Silty Sands w/Broken Caliche, Loose, Tan, Dry	
5				Caliche, Firm, Light Tan, Dry	
10		SM		Silty Sands, Loose, Redish Tan, Dry	
15					
20				Caliche, Hard, White, Dry	
		SM		Silty Sands w/Caliche, Hard to Firm, Redish Tan, Dry	
25					
30					
35					
40					
45		SM		Silty Sand, Loose, Redish Tan, Damp	
50		SM		Silty Sand w/Sandstone, Firm, Dry	
		SM		Silty Sand, Loose, Red, Damp	
55				Clayey Sand, Loose, Red, Damp	
60		SC			
65					
70					
75					
80					



Total Depth 75'
Water Level 55.0'

11-04-2004 C:\MTECH\46\CYPR\mw.bor

APPENDIX B

Laboratory Reports

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

June 02, 2004

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 Engine Rm Pit Area Order No.: 0405228

Dear George Robinson:

Hall Environmental Analysis Laboratory received 12 samples on 5/27/2004 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

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

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory

Date: *04-Jun-04*

CLIENT: Cypress Engineering
Project: TWP WT-1 Engine Rm Pit Area
Lab Order: 0405228

CASE NARRATIVE

Analytical Comments for METHOD 8260_W, SAMPLE 0405228-11a: Acetone & 4-methyl-2-pentanone were elevated slightly above the acceptable limits for the initial calibration verification standard (ICV) and the continuing calibration verification standard (CCV).

Hall Environmental Analysis Laboratory

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-04
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 12:38:00 PM
Lab ID:	0405228-01A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	ND	1.0		µg/L	1	5/27/2004
Toluene	ND	1.0		µg/L	1	5/27/2004
Ethylbenzene	ND	1.0		µg/L	1	5/27/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/27/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/27/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/27/2004
Naphthalene	ND	2.0		µg/L	1	5/27/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2004
Acetone	ND	10		µg/L	1	5/27/2004
Bromobenzene	ND	1.0		µg/L	1	5/27/2004
Bromochloromethane	ND	1.0		µg/L	1	5/27/2004
Bromodichloromethane	ND	1.0		µg/L	1	5/27/2004
Bromoform	ND	1.0		µg/L	1	5/27/2004
Bromomethane	ND	2.0		µg/L	1	5/27/2004
2-Butanone	ND	10		µg/L	1	5/27/2004
Carbon disulfide	ND	10		µg/L	1	5/27/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	5/27/2004
Chlorobenzene	3.1	1.0		µg/L	1	5/27/2004
Chloroethane	ND	2.0		µg/L	1	5/27/2004
Chloroform	ND	1.0		µg/L	1	5/27/2004
Chloromethane	ND	1.0		µg/L	1	5/27/2004
2-Chlorotoluene	ND	1.0		µg/L	1	5/27/2004
4-Chlorotoluene	ND	1.0		µg/L	1	5/27/2004
cis-1,2-DCE	ND	1.0		µg/L	1	5/27/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/27/2004
Dibromochloromethane	ND	1.0		µg/L	1	5/27/2004
Dibromomethane	ND	2.0		µg/L	1	5/27/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/27/2004
1,1-Dichloroethane	ND	1.0		µg/L	1	5/27/2004
1,1-Dichloroethene	1.6	1.0		µg/L	1	5/27/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	5/27/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-04
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 12:38:00 PM
Lab ID:	0405228-01A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	5/27/2004
2-Hexanone	ND	10		µg/L	1	5/27/2004
Isopropylbenzene	ND	1.0		µg/L	1	5/27/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	5/27/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	5/27/2004
Methylene Chloride	ND	3.0		µg/L	1	5/27/2004
n-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
n-Propylbenzene	ND	1.0		µg/L	1	5/27/2004
sec-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
Styrene	ND	1.0		µg/L	1	5/27/2004
tert-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2004
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/27/2004
trans-1,2-DCE	ND	1.0		µg/L	1	5/27/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/27/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/27/2004
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/27/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	5/27/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/27/2004
Vinyl chloride	ND	1.0		µg/L	1	5/27/2004
Xylenes, Total	ND	1.0		µg/L	1	5/27/2004
Surr: 1,2-Dichloroethane-d4	104	70.6-124		%REC	1	5/27/2004
Surr: 4-Bromofluorobenzene	103	76.4-130		%REC	1	5/27/2004
Surr: Dibromofluoromethane	106	67.2-131		%REC	1	5/27/2004
Surr: Toluene-d8	96.1	82.1-123		%REC	1	5/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-16
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 1:18:00 PM
Lab ID:	0405228-02A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	ND	1.0		µg/L	1	5/27/2004
Toluene	ND	1.0		µg/L	1	5/27/2004
Ethylbenzene	ND	1.0		µg/L	1	5/27/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/27/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/27/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/27/2004
Naphthalene	ND	2.0		µg/L	1	5/27/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2004
Acetone	ND	10		µg/L	1	5/27/2004
Bromobenzene	ND	1.0		µg/L	1	5/27/2004
Bromochloromethane	ND	1.0		µg/L	1	5/27/2004
Bromodichloromethane	ND	1.0		µg/L	1	5/27/2004
Bromoform	ND	1.0		µg/L	1	5/27/2004
Bromomethane	ND	2.0		µg/L	1	5/27/2004
2-Butanone	ND	10		µg/L	1	5/27/2004
Carbon disulfide	ND	10		µg/L	1	5/27/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	5/27/2004
Chlorobenzene	ND	1.0		µg/L	1	5/27/2004
Chloroethane	ND	2.0		µg/L	1	5/27/2004
Chloroform	ND	1.0		µg/L	1	5/27/2004
Chloromethane	ND	1.0		µg/L	1	5/27/2004
2-Chlorotoluene	ND	1.0		µg/L	1	5/27/2004
4-Chlorotoluene	ND	1.0		µg/L	1	5/27/2004
cis-1,2-DCE	ND	1.0		µg/L	1	5/27/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/27/2004
Dibromochloromethane	ND	1.0		µg/L	1	5/27/2004
Dibromomethane	ND	2.0		µg/L	1	5/27/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/27/2004
1,1-Dichloroethane	1.5	1.0		µg/L	1	5/27/2004
1,1-Dichloroethene	2.1	1.0		µg/L	1	5/27/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	5/27/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-16
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 1:18:00 PM
Lab ID:	0405228-02A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	5/27/2004
2-Hexanone	ND	10		µg/L	1	5/27/2004
Isopropylbenzene	ND	1.0		µg/L	1	5/27/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	5/27/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	5/27/2004
Methylene Chloride	ND	3.0		µg/L	1	5/27/2004
n-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
n-Propylbenzene	ND	1.0		µg/L	1	5/27/2004
sec-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
Styrene	ND	1.0		µg/L	1	5/27/2004
tert-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2004
Tetrachloroethene (PCE)	6.6	1.0		µg/L	1	5/27/2004
trans-1,2-DCE	ND	1.0		µg/L	1	5/27/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/27/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/27/2004
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/27/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	5/27/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/27/2004
Vinyl chloride	ND	1.0		µg/L	1	5/27/2004
Xylenes, Total	ND	1.0		µg/L	1	5/27/2004
Surr: 1,2-Dichloroethane-d4	104	70.6-124		%REC	1	5/27/2004
Surr: 4-Bromofluorobenzene	104	76.4-130		%REC	1	5/27/2004
Surr: Dibromofluoromethane	97.1	67.2-131		%REC	1	5/27/2004
Surr: Toluene-d8	97.1	82.1-123		%REC	1	5/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-15
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 2:06:00 PM
Lab ID:	0405228-03A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	ND	1.0		µg/L	1	5/27/2004
Toluene	ND	1.0		µg/L	1	5/27/2004
Ethylbenzene	ND	1.0		µg/L	1	5/27/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/27/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/27/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/27/2004
Naphthalene	ND	2.0		µg/L	1	5/27/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2004
Acetone	ND	10		µg/L	1	5/27/2004
Bromobenzene	ND	1.0		µg/L	1	5/27/2004
Bromochloromethane	ND	1.0		µg/L	1	5/27/2004
Bromodichloromethane	ND	1.0		µg/L	1	5/27/2004
Bromoform	ND	1.0		µg/L	1	5/27/2004
Bromomethane	ND	2.0		µg/L	1	5/27/2004
2-Butanone	ND	10		µg/L	1	5/27/2004
Carbon disulfide	ND	10		µg/L	1	5/27/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	5/27/2004
Chlorobenzene	ND	1.0		µg/L	1	5/27/2004
Chloroethane	ND	2.0		µg/L	1	5/27/2004
Chloroform	1.1	1.0		µg/L	1	5/27/2004
Chloromethane	ND	1.0		µg/L	1	5/27/2004
2-Chlorotoluene	ND	1.0		µg/L	1	5/27/2004
4-Chlorotoluene	ND	1.0		µg/L	1	5/27/2004
cis-1,2-DCE	ND	1.0		µg/L	1	5/27/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/27/2004
Dibromochloromethane	ND	1.0		µg/L	1	5/27/2004
Dibromomethane	ND	2.0		µg/L	1	5/27/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/27/2004
1,1-Dichloroethane	2.5	1.0		µg/L	1	5/27/2004
1,1-Dichloroethene	2.6	1.0		µg/L	1	5/27/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	5/27/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-15
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 2:06:00 PM
Lab ID:	0405228-03A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	5/27/2004
2-Hexanone	ND	10		µg/L	1	5/27/2004
Isopropylbenzene	ND	1.0		µg/L	1	5/27/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	5/27/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	5/27/2004
Methylene Chloride	ND	3.0		µg/L	1	5/27/2004
n-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
n-Propylbenzene	ND	1.0		µg/L	1	5/27/2004
sec-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
Styrene	ND	1.0		µg/L	1	5/27/2004
tert-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2004
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/27/2004
trans-1,2-DCE	ND	1.0		µg/L	1	5/27/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,1,1-Trichloroethane	1.9	1.0		µg/L	1	5/27/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/27/2004
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/27/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	5/27/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/27/2004
Vinyl chloride	ND	1.0		µg/L	1	5/27/2004
Xylenes, Total	ND	1.0		µg/L	1	5/27/2004
Surr: 1,2-Dichloroethane-d4	106	70.6-124		%REC	1	5/27/2004
Surr: 4-Bromofluorobenzene	101	76.4-130		%REC	1	5/27/2004
Surr: Dibromofluoromethane	101	67.2-131		%REC	1	5/27/2004
Surr: Toluene-d8	99.6	82.1-123		%REC	1	5/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-17
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 3:00:00 PM
Lab ID:	0405228-04A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	ND	1.0		µg/L	1	5/27/2004
Toluene	ND	1.0		µg/L	1	5/27/2004
Ethylbenzene	ND	1.0		µg/L	1	5/27/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/27/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/27/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/27/2004
Naphthalene	ND	2.0		µg/L	1	5/27/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2004
Acetone	ND	10		µg/L	1	5/27/2004
Bromobenzene	ND	1.0		µg/L	1	5/27/2004
Bromochloromethane	ND	1.0		µg/L	1	5/27/2004
Bromodichloromethane	ND	1.0		µg/L	1	5/27/2004
Bromoform	ND	1.0		µg/L	1	5/27/2004
Bromomethane	ND	2.0		µg/L	1	5/27/2004
2-Butanone	ND	10		µg/L	1	5/27/2004
Carbon disulfide	ND	10		µg/L	1	5/27/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	5/27/2004
Chlorobenzene	ND	1.0		µg/L	1	5/27/2004
Chloroethane	ND	2.0		µg/L	1	5/27/2004
Chloroform	1.1	1.0		µg/L	1	5/27/2004
Chloromethane	ND	1.0		µg/L	1	5/27/2004
2-Chlorotoluene	ND	1.0		µg/L	1	5/27/2004
4-Chlorotoluene	ND	1.0		µg/L	1	5/27/2004
cis-1,2-DCE	ND	1.0		µg/L	1	5/27/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/27/2004
Dibromochloromethane	ND	1.0		µg/L	1	5/27/2004
Dibromomethane	ND	2.0		µg/L	1	5/27/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/27/2004
1,1-Dichloroethane	2.4	1.0		µg/L	1	5/27/2004
1,1-Dichloroethene	2.6	1.0		µg/L	1	5/27/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	5/27/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-17
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 3:00:00 PM
Lab ID:	0405228-04A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	5/27/2004
2-Hexanone	ND	10		µg/L	1	5/27/2004
Isopropylbenzene	ND	1.0		µg/L	1	5/27/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	5/27/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	5/27/2004
Methylene Chloride	ND	3.0		µg/L	1	5/27/2004
n-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
n-Propylbenzene	ND	1.0		µg/L	1	5/27/2004
sec-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
Styrene	ND	1.0		µg/L	1	5/27/2004
tert-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2004
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/27/2004
trans-1,2-DCE	ND	1.0		µg/L	1	5/27/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,1,1-Trichloroethane	1.9	1.0		µg/L	1	5/27/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/27/2004
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/27/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	5/27/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/27/2004
Vinyl chloride	ND	1.0		µg/L	1	5/27/2004
Xylenes, Total	ND	1.0		µg/L	1	5/27/2004
Surr: 1,2-Dichloroethane-d4	106	70.6-124		%REC	1	5/27/2004
Surr: 4-Bromofluorobenzene	103	76.4-130		%REC	1	5/27/2004
Surr: Dibromofluoromethane	102	67.2-131		%REC	1	5/27/2004
Surr: Toluene-d8	98.4	82.1-123		%REC	1	5/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-14
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 3:01:00 PM
Lab ID:	0405228-05A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	ND	1.0		µg/L	1	5/27/2004
Toluene	ND	1.0		µg/L	1	5/27/2004
Ethylbenzene	ND	1.0		µg/L	1	5/27/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/27/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/27/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/27/2004
Naphthalene	ND	2.0		µg/L	1	5/27/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2004
Acetone	ND	10		µg/L	1	5/27/2004
Bromobenzene	ND	1.0		µg/L	1	5/27/2004
Bromochloromethane	ND	1.0		µg/L	1	5/27/2004
Bromodichloromethane	ND	1.0		µg/L	1	5/27/2004
Bromoform	ND	1.0		µg/L	1	5/27/2004
Bromomethane	ND	2.0		µg/L	1	5/27/2004
2-Butanone	ND	10		µg/L	1	5/27/2004
Carbon disulfide	ND	10		µg/L	1	5/27/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	5/27/2004
Chlorobenzene	ND	1.0		µg/L	1	5/27/2004
Chloroethane	ND	2.0		µg/L	1	5/27/2004
Chloroform	ND	1.0		µg/L	1	5/27/2004
Chloromethane	ND	1.0		µg/L	1	5/27/2004
2-Chlorotoluene	ND	1.0		µg/L	1	5/27/2004
4-Chlorotoluene	ND	1.0		µg/L	1	5/27/2004
cis-1,2-DCE	5.8	1.0		µg/L	1	5/27/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/27/2004
Dibromochloromethane	ND	1.0		µg/L	1	5/27/2004
Dibromomethane	ND	2.0		µg/L	1	5/27/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/27/2004
1,1-Dichloroethane	29	1.0		µg/L	1	5/27/2004
1,1-Dichloroethene	ND	1.0		µg/L	1	5/27/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	5/27/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-14
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 3:01:00 PM
Lab ID:	0405228-05A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	5/27/2004
2-Hexanone	ND	10		µg/L	1	5/27/2004
Isopropylbenzene	ND	1.0		µg/L	1	5/27/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	5/27/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	5/27/2004
Methylene Chloride	ND	3.0		µg/L	1	5/27/2004
n-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
n-Propylbenzene	ND	1.0		µg/L	1	5/27/2004
sec-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
Styrene	ND	1.0		µg/L	1	5/27/2004
tert-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2004
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/27/2004
trans-1,2-DCE	ND	1.0		µg/L	1	5/27/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/27/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/27/2004
Trichloroethene (TCE)	12	1.0		µg/L	1	5/27/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	5/27/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/27/2004
Vinyl chloride	ND	1.0		µg/L	1	5/27/2004
Xylenes, Total	ND	1.0		µg/L	1	5/27/2004
Surr: 1,2-Dichloroethane-d4	104	70.6-124		%REC	1	5/27/2004
Surr: 4-Bromofluorobenzene	105	76.4-130		%REC	1	5/27/2004
Surr: Dibromofluoromethane	102	67.2-131		%REC	1	5/27/2004
Surr: Toluene-d8	100	82.1-123		%REC	1	5/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-6
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 3:55:00 PM
Lab ID:	0405228-06A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	ND	1.0		µg/L	1	5/27/2004
Toluene	ND	1.0		µg/L	1	5/27/2004
Ethylbenzene	ND	1.0		µg/L	1	5/27/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/27/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/27/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/27/2004
Naphthalene	ND	2.0		µg/L	1	5/27/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2004
Acetone	ND	10		µg/L	1	5/27/2004
Bromobenzene	ND	1.0		µg/L	1	5/27/2004
Bromochloromethane	ND	1.0		µg/L	1	5/27/2004
Bromodichloromethane	ND	1.0		µg/L	1	5/27/2004
Bromoform	ND	1.0		µg/L	1	5/27/2004
Bromomethane	ND	2.0		µg/L	1	5/27/2004
2-Butanone	ND	10		µg/L	1	5/27/2004
Carbon disulfide	ND	10		µg/L	1	5/27/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	5/27/2004
Chlorobenzene	ND	1.0		µg/L	1	5/27/2004
Chloroethane	ND	2.0		µg/L	1	5/27/2004
Chloroform	ND	1.0		µg/L	1	5/27/2004
Chloromethane	ND	1.0		µg/L	1	5/27/2004
2-Chlorotoluene	ND	1.0		µg/L	1	5/27/2004
4-Chlorotoluene	ND	1.0		µg/L	1	5/27/2004
cis-1,2-DCE	5.2	1.0		µg/L	1	5/27/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/27/2004
Dibromochloromethane	ND	1.0		µg/L	1	5/27/2004
Dibromomethane	ND	2.0		µg/L	1	5/27/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/27/2004
1,1-Dichloroethane	6.9	1.0		µg/L	1	5/27/2004
1,1-Dichloroethene	1.1	1.0		µg/L	1	5/27/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	5/27/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	*Cypress Engineering*	**Client Sample ID:**	*MW-6*
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 3:55:00 PM
Lab ID:	0405228-06A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	5/27/2004
2-Hexanone	ND	10		µg/L	1	5/27/2004
Isopropylbenzene	ND	1.0		µg/L	1	5/27/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	5/27/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	5/27/2004
Methylene Chloride	ND	3.0		µg/L	1	5/27/2004
n-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
n-Propylbenzene	ND	1.0		µg/L	1	5/27/2004
sec-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
Styrene	ND	1.0		µg/L	1	5/27/2004
tert-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2004
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/27/2004
trans-1,2-DCE	ND	1.0		µg/L	1	5/27/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/27/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/27/2004
Trichloroethene (TCE)	12	1.0		µg/L	1	5/27/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	5/27/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/27/2004
Vinyl chloride	ND	1.0		µg/L	1	5/27/2004
Xylenes, Total	ND	1.0		µg/L	1	5/27/2004
Surr: 1,2-Dichloroethane-d4	104	70.6-124		%REC	1	5/27/2004
Surr: 4-Bromofluorobenzene	102	76.4-130		%REC	1	5/27/2004
Surr: Dibromofluoromethane	102	67.2-131		%REC	1	5/27/2004
Surr: Toluene-d8	96.5	82.1-123		%REC	1	5/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-7
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 4:30:00 PM
Lab ID:	0405228-07A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	ND	1.0		µg/L	1	5/27/2004
Toluene	ND	1.0		µg/L	1	5/27/2004
Ethylbenzene	ND	1.0		µg/L	1	5/27/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/27/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/27/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/27/2004
Naphthalene	ND	2.0		µg/L	1	5/27/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2004
Acetone	ND	10		µg/L	1	5/27/2004
Bromobenzene	ND	1.0		µg/L	1	5/27/2004
Bromochloromethane	ND	1.0		µg/L	1	5/27/2004
Bromodichloromethane	ND	1.0		µg/L	1	5/27/2004
Bromoform	ND	1.0		µg/L	1	5/27/2004
Bromomethane	ND	2.0		µg/L	1	5/27/2004
2-Butanone	ND	10		µg/L	1	5/27/2004
Carbon disulfide	ND	10		µg/L	1	5/27/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	5/27/2004
Chlorobenzene	ND	1.0		µg/L	1	5/27/2004
Chloroethane	ND	2.0		µg/L	1	5/27/2004
Chloroform	ND	1.0		µg/L	1	5/27/2004
Chloromethane	ND	1.0		µg/L	1	5/27/2004
2-Chlorotoluene	ND	1.0		µg/L	1	5/27/2004
4-Chlorotoluene	ND	1.0		µg/L	1	5/27/2004
cis-1,2-DCE	28	1.0		µg/L	1	5/27/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/27/2004
Dibromochloromethane	ND	1.0		µg/L	1	5/27/2004
Dibromomethane	ND	2.0		µg/L	1	5/27/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/27/2004
1,1-Dichloroethane	29	1.0		µg/L	1	5/27/2004
1,1-Dichloroethene	1.4	1.0		µg/L	1	5/27/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	5/27/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-7
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 4:30:00 PM
Lab ID:	0405228-07A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	5/27/2004
2-Hexanone	ND	10		µg/L	1	5/27/2004
Isopropylbenzene	ND	1.0		µg/L	1	5/27/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	5/27/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	5/27/2004
Methylene Chloride	ND	3.0		µg/L	1	5/27/2004
n-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
n-Propylbenzene	ND	1.0		µg/L	1	5/27/2004
sec-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
Styrene	ND	1.0		µg/L	1	5/27/2004
tert-Butylbenzene	ND	1.0		µg/L	1	5/27/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2004
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/27/2004
trans-1,2-DCE	ND	1.0		µg/L	1	5/27/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2004
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/27/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/27/2004
Trichloroethene (TCE)	12	1.0		µg/L	1	5/27/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	5/27/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/27/2004
Vinyl chloride	ND	1.0		µg/L	1	5/27/2004
Xylenes, Total	ND	1.0		µg/L	1	5/27/2004
Surr: 1,2-Dichloroethane-d4	97.8	70.6-124		%REC	1	5/27/2004
Surr: 4-Bromofluorobenzene	104	76.4-130		%REC	1	5/27/2004
Surr: Dibromofluoromethane	97.4	67.2-131		%REC	1	5/27/2004
Surr: Toluene-d8	99.2	82.1-123		%REC	1	5/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-8
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 5:41:00 PM
Lab ID:	0405228-08A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	12	2.0		µg/L	2	5/28/2004
Toluene	ND	2.0		µg/L	2	5/28/2004
Ethylbenzene	ND	2.0		µg/L	2	5/28/2004
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	5/28/2004
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	5/28/2004
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	5/28/2004
1,2-Dichloroethane (EDC)	2.1	2.0		µg/L	2	5/28/2004
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	5/28/2004
Naphthalene	ND	4.0		µg/L	2	5/28/2004
1-Methylnaphthalene	ND	8.0		µg/L	2	5/28/2004
2-Methylnaphthalene	ND	8.0		µg/L	2	5/28/2004
Acetone	ND	20		µg/L	2	5/28/2004
Bromobenzene	ND	2.0		µg/L	2	5/28/2004
Bromochloromethane	ND	2.0		µg/L	2	5/28/2004
Bromodichloromethane	ND	2.0		µg/L	2	5/28/2004
Bromoform	ND	2.0		µg/L	2	5/28/2004
Bromomethane	ND	4.0		µg/L	2	5/28/2004
2-Butanone	ND	20		µg/L	2	5/28/2004
Carbon disulfide	ND	20		µg/L	2	5/28/2004
Carbon Tetrachloride	ND	2.0		µg/L	2	5/28/2004
Chlorobenzene	ND	2.0		µg/L	2	5/28/2004
Chloroethane	ND	4.0		µg/L	2	5/28/2004
Chloroform	ND	2.0		µg/L	2	5/28/2004
Chloromethane	ND	2.0		µg/L	2	5/28/2004
2-Chlorotoluene	ND	2.0		µg/L	2	5/28/2004
4-Chlorotoluene	ND	2.0		µg/L	2	5/28/2004
cis-1,2-DCE	72	2.0		µg/L	2	5/28/2004
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	5/28/2004
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	5/28/2004
Dibromochloromethane	ND	2.0		µg/L	2	5/28/2004
Dibromomethane	ND	4.0		µg/L	2	5/28/2004
1,2-Dichlorobenzene	ND	2.0		µg/L	2	5/28/2004
1,3-Dichlorobenzene	ND	2.0		µg/L	2	5/28/2004
1,4-Dichlorobenzene	ND	2.0		µg/L	2	5/28/2004
Dichlorodifluoromethane	ND	2.0		µg/L	2	5/28/2004
1,1-Dichloroethane	120	2.0		µg/L	2	5/28/2004
1,1-Dichloroethene	5.5	2.0		µg/L	2	5/28/2004
1,2-Dichloropropane	ND	2.0		µg/L	2	5/28/2004
1,3-Dichloropropane	ND	2.0		µg/L	2	5/28/2004
2,2-Dichloropropane	ND	2.0		µg/L	2	5/28/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-8
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 5:41:00 PM
Lab ID:	0405228-08A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	2.0		µg/L	2	5/28/2004
Hexachlorobutadiene	ND	2.0		µg/L	2	5/28/2004
2-Hexanone	ND	20		µg/L	2	5/28/2004
Isopropylbenzene	ND	2.0		µg/L	2	5/28/2004
4-Isopropyltoluene	ND	2.0		µg/L	2	5/28/2004
4-Methyl-2-pentanone	ND	20		µg/L	2	5/28/2004
Methylene Chloride	ND	6.0		µg/L	2	5/28/2004
n-Butylbenzene	ND	2.0		µg/L	2	5/28/2004
n-Propylbenzene	ND	2.0		µg/L	2	5/28/2004
sec-Butylbenzene	ND	2.0		µg/L	2	5/28/2004
Styrene	ND	2.0		µg/L	2	5/28/2004
tert-Butylbenzene	ND	2.0		µg/L	2	5/28/2004
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	5/28/2004
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	2	5/28/2004
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	5/28/2004
trans-1,2-DCE	ND	2.0		µg/L	2	5/28/2004
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	5/28/2004
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	5/28/2004
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	5/28/2004
1,1,1-Trichloroethane	ND	2.0		µg/L	2	5/28/2004
1,1,2-Trichloroethane	ND	2.0		µg/L	2	5/28/2004
Trichloroethene (TCE)	58	2.0		µg/L	2	5/28/2004
Trichlorofluoromethane	ND	2.0		µg/L	2	5/28/2004
1,2,3-Trichloropropane	ND	4.0		µg/L	2	5/28/2004
Vinyl chloride	ND	2.0		µg/L	2	5/28/2004
Xylenes, Total	ND	2.0		µg/L	2	5/28/2004
Surr: 1,2-Dichloroethane-d4	104	70.6-124		%REC	2	5/28/2004
Surr: 4-Bromofluorobenzene	105	76.4-130		%REC	2	5/28/2004
Surr: Dibromofluoromethane	98.9	67.2-131		%REC	2	5/28/2004
Surr: Toluene-d8	112	82.1-123		%REC	2	5/28/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-5
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 7:05:00 PM
Lab ID:	0405228-09A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	22	5.0		µg/L	5	5/28/2004
Toluene	7.5	5.0		µg/L	5	5/28/2004
Ethylbenzene	5.1	5.0		µg/L	5	5/28/2004
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	5/28/2004
1,2,4-Trimethylbenzene	8.4	5.0		µg/L	5	5/28/2004
1,3,5-Trimethylbenzene	6.3	5.0		µg/L	5	5/28/2004
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	5/28/2004
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	5/28/2004
Naphthalene	ND	10		µg/L	5	5/28/2004
1-Methylnaphthalene	ND	20		µg/L	5	5/28/2004
2-Methylnaphthalene	ND	20		µg/L	5	5/28/2004
Acetone	ND	50		µg/L	5	5/28/2004
Bromobenzene	ND	5.0		µg/L	5	5/28/2004
Bromochloromethane	ND	5.0		µg/L	5	5/28/2004
Bromodichloromethane	ND	5.0		µg/L	5	5/28/2004
Bromoform	ND	5.0		µg/L	5	5/28/2004
Bromomethane	ND	10		µg/L	5	5/28/2004
2-Butanone	ND	50		µg/L	5	5/28/2004
Carbon disulfide	ND	50		µg/L	5	5/28/2004
Carbon Tetrachloride	ND	5.0		µg/L	5	5/28/2004
Chlorobenzene	ND	5.0		µg/L	5	5/28/2004
Chloroethane	ND	10		µg/L	5	5/28/2004
Chloroform	ND	5.0		µg/L	5	5/28/2004
Chloromethane	ND	5.0		µg/L	5	5/28/2004
2-Chlorotoluene	ND	5.0		µg/L	5	5/28/2004
4-Chlorotoluene	ND	5.0		µg/L	5	5/28/2004
cis-1,2-DCE	120	5.0		µg/L	5	5/28/2004
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	5/28/2004
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	5/28/2004
Dibromochloromethane	ND	5.0		µg/L	5	5/28/2004
Dibromomethane	ND	10		µg/L	5	5/28/2004
1,2-Dichlorobenzene	ND	5.0		µg/L	5	5/28/2004
1,3-Dichlorobenzene	ND	5.0		µg/L	5	5/28/2004
1,4-Dichlorobenzene	ND	5.0		µg/L	5	5/28/2004
Dichlorodifluoromethane	ND	5.0		µg/L	5	5/28/2004
1,1-Dichloroethane	150	5.0		µg/L	5	5/28/2004
1,1-Dichloroethene	ND	5.0		µg/L	5	5/28/2004
1,2-Dichloropropane	ND	5.0		µg/L	5	5/28/2004
1,3-Dichloropropane	ND	5.0		µg/L	5	5/28/2004
2,2-Dichloropropane	ND	5.0		µg/L	5	5/28/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-5
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 7:05:00 PM
Lab ID:	0405228-09A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	5.0		µg/L	5	5/28/2004
Hexachlorobutadiene	ND	5.0		µg/L	5	5/28/2004
2-Hexanone	ND	50		µg/L	5	5/28/2004
Isopropylbenzene	ND	5.0		µg/L	5	5/28/2004
4-Isopropyltoluene	ND	5.0		µg/L	5	5/28/2004
4-Methyl-2-pentanone	ND	50		µg/L	5	5/28/2004
Methylene Chloride	ND	15		µg/L	5	5/28/2004
n-Butylbenzene	ND	5.0		µg/L	5	5/28/2004
n-Propylbenzene	ND	5.0		µg/L	5	5/28/2004
sec-Butylbenzene	ND	5.0		µg/L	5	5/28/2004
Styrene	ND	5.0		µg/L	5	5/28/2004
tert-Butylbenzene	ND	5.0		µg/L	5	5/28/2004
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	5/28/2004
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	5	5/28/2004
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	5/28/2004
trans-1,2-DCE	ND	5.0		µg/L	5	5/28/2004
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	5/28/2004
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	5/28/2004
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	5/28/2004
1,1,1-Trichloroethane	ND	5.0		µg/L	5	5/28/2004
1,1,2-Trichloroethane	ND	5.0		µg/L	5	5/28/2004
Trichloroethene (TCE)	130	5.0		µg/L	5	5/28/2004
Trichlorofluoromethane	ND	5.0		µg/L	5	5/28/2004
1,2,3-Trichloropropane	ND	10		µg/L	5	5/28/2004
Vinyl chloride	ND	5.0		µg/L	5	5/28/2004
Xylenes, Total	13	5.0		µg/L	5	5/28/2004
Surr: 1,2-Dichloroethane-d4	106	70.6-124		%REC	5	5/28/2004
Surr: 4-Bromofluorobenzene	101	76.4-130		%REC	5	5/28/2004
Surr: Dibromofluoromethane	106	67.2-131		%REC	5	5/28/2004
Surr: Toluene-d8	111	82.1-123		%REC	5	5/28/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	SVE-1A
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 6:00:00 PM
Lab ID:	0405228-10A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	90	10		µg/L	10	5/28/2004
Toluene	47	10		µg/L	10	5/28/2004
Ethylbenzene	25	10		µg/L	10	5/28/2004
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	5/28/2004
1,2,4-Trimethylbenzene	54	10		µg/L	10	5/28/2004
1,3,5-Trimethylbenzene	36	10		µg/L	10	5/28/2004
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	5/28/2004
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	5/28/2004
Naphthalene	23	20		µg/L	10	5/28/2004
1-Methylnaphthalene	ND	40		µg/L	10	5/28/2004
2-Methylnaphthalene	ND	40		µg/L	10	5/28/2004
Acetone	ND	100		µg/L	10	5/28/2004
Bromobenzene	ND	10		µg/L	10	5/28/2004
Bromochloromethane	ND	10		µg/L	10	5/28/2004
Bromodichloromethane	ND	10		µg/L	10	5/28/2004
Bromoform	ND	10		µg/L	10	5/28/2004
Bromomethane	ND	20		µg/L	10	5/28/2004
2-Butanone	ND	100		µg/L	10	5/28/2004
Carbon disulfide	ND	100		µg/L	10	5/28/2004
Carbon Tetrachloride	ND	10		µg/L	10	5/28/2004
Chlorobenzene	ND	10		µg/L	10	5/28/2004
Chloroethane	ND	20		µg/L	10	5/28/2004
Chloroform	ND	10		µg/L	10	5/28/2004
Chloromethane	ND	10		µg/L	10	5/28/2004
2-Chlorotoluene	ND	10		µg/L	10	5/28/2004
4-Chlorotoluene	ND	10		µg/L	10	5/28/2004
cis-1,2-DCE	120	10		µg/L	10	5/28/2004
cis-1,3-Dichloropropene	ND	10		µg/L	10	5/28/2004
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	5/28/2004
Dibromochloromethane	ND	10		µg/L	10	5/28/2004
Dibromomethane	ND	20		µg/L	10	5/28/2004
1,2-Dichlorobenzene	ND	10		µg/L	10	5/28/2004
1,3-Dichlorobenzene	ND	10		µg/L	10	5/28/2004
1,4-Dichlorobenzene	ND	10		µg/L	10	5/28/2004
Dichlorodifluoromethane	ND	10		µg/L	10	5/28/2004
1,1-Dichloroethane	380	10		µg/L	10	5/28/2004
1,1-Dichloroethene	10	10		µg/L	10	5/28/2004
1,2-Dichloropropane	ND	10		µg/L	10	5/28/2004
1,3-Dichloropropane	ND	10		µg/L	10	5/28/2004
2,2-Dichloropropane	ND	10		µg/L	10	5/28/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	SVE-1A
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 6:00:00 PM
Lab ID:	0405228-10A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	10		µg/L	10	5/28/2004
Hexachlorobutadiene	ND	10		µg/L	10	5/28/2004
2-Hexanone	ND	100		µg/L	10	5/28/2004
Isopropylbenzene	ND	10		µg/L	10	5/28/2004
4-Isopropyltoluene	ND	10		µg/L	10	5/28/2004
4-Methyl-2-pentanone	420	100		µg/L	10	5/28/2004
Methylene Chloride	ND	30		µg/L	10	5/28/2004
n-Butylbenzene	ND	10		µg/L	10	5/28/2004
n-Propylbenzene	ND	10		µg/L	10	5/28/2004
sec-Butylbenzene	ND	10		µg/L	10	5/28/2004
Styrene	ND	10		µg/L	10	5/28/2004
tert-Butylbenzene	ND	10		µg/L	10	5/28/2004
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	5/28/2004
1,1,2,2-Tetrachloroethane	ND	10		µg/L	10	5/28/2004
Tetrachloroethene (PCE)	ND	10		µg/L	10	5/28/2004
trans-1,2-DCE	ND	10		µg/L	10	5/28/2004
trans-1,3-Dichloropropene	ND	10		µg/L	10	5/28/2004
1,2,3-Trichlorobenzene	ND	10		µg/L	10	5/28/2004
1,2,4-Trichlorobenzene	ND	10		µg/L	10	5/28/2004
1,1,1-Trichloroethane	40	10		µg/L	10	5/28/2004
1,1,2-Trichloroethane	ND	10		µg/L	10	5/28/2004
Trichloroethene (TCE)	80	10		µg/L	10	5/28/2004
Trichlorofluoromethane	ND	10		µg/L	10	5/28/2004
1,2,3-Trichloropropane	ND	20		µg/L	10	5/28/2004
Vinyl chloride	ND	10		µg/L	10	5/28/2004
Xylenes, Total	95	10		µg/L	10	5/28/2004
Surr: 1,2-Dichloroethane-d4	106	70.6-124		%REC	10	5/28/2004
Surr: 4-Bromofluorobenzene	101	76.4-130		%REC	10	5/28/2004
Surr: Dibromofluoromethane	99.7	67.2-131		%REC	10	5/28/2004
Surr: Toluene-d8	110	82.1-123		%REC	10	5/28/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-1
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 7:24:00 PM
Lab ID:	0405228-11A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	25	5.0		µg/L	5	5/28/2004
Toluene	63	5.0		µg/L	5	5/28/2004
Ethylbenzene	14	5.0		µg/L	5	5/28/2004
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	5/28/2004
1,2,4-Trimethylbenzene	50	5.0		µg/L	5	5/28/2004
1,3,5-Trimethylbenzene	22	5.0		µg/L	5	5/28/2004
1,2-Dichloroethane (EDC)	7.1	5.0		µg/L	5	5/28/2004
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	5/28/2004
Naphthalene	21	10		µg/L	5	5/28/2004
1-Methylnaphthalene	ND	20		µg/L	5	5/28/2004
2-Methylnaphthalene	ND	20		µg/L	5	5/28/2004
Acetone	63	50		µg/L	5	5/28/2004
Bromobenzene	ND	5.0		µg/L	5	5/28/2004
Bromochloromethane	ND	5.0		µg/L	5	5/28/2004
Bromodichloromethane	ND	5.0		µg/L	5	5/28/2004
Bromoform	ND	5.0		µg/L	5	5/28/2004
Bromomethane	ND	10		µg/L	5	5/28/2004
2-Butanone	ND	50		µg/L	5	5/28/2004
Carbon disulfide	ND	50		µg/L	5	5/28/2004
Carbon Tetrachloride	ND	5.0		µg/L	5	5/28/2004
Chlorobenzene	ND	5.0		µg/L	5	5/28/2004
Chloroethane	ND	10		µg/L	5	5/28/2004
Chloroform	ND	5.0		µg/L	5	5/28/2004
Chloromethane	ND	5.0		µg/L	5	5/28/2004
2-Chlorotoluene	ND	5.0		µg/L	5	5/28/2004
4-Chlorotoluene	ND	5.0		µg/L	5	5/28/2004
cis-1,2-DCE	8.5	5.0		µg/L	5	5/28/2004
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	5/28/2004
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	5/28/2004
Dibromochloromethane	ND	5.0		µg/L	5	5/28/2004
Dibromomethane	ND	10		µg/L	5	5/28/2004
1,2-Dichlorobenzene	ND	5.0		µg/L	5	5/28/2004
1,3-Dichlorobenzene	ND	5.0		µg/L	5	5/28/2004
1,4-Dichlorobenzene	ND	5.0		µg/L	5	5/28/2004
Dichlorodifluoromethane	ND	5.0		µg/L	5	5/28/2004
1,1-Dichloroethane	640	20		µg/L	20	6/1/2004
1,1-Dichloroethene	21	5.0		µg/L	5	5/28/2004
1,2-Dichloropropane	ND	5.0		µg/L	5	5/28/2004
1,3-Dichloropropane	ND	5.0		µg/L	5	5/28/2004
2,2-Dichloropropane	ND	5.0		µg/L	5	5/28/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	MW-1
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	5/25/2004 7:24:00 PM
Lab ID:	0405228-11A	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	5.0		µg/L	5	5/28/2004
Hexachlorobutadiene	ND	5.0		µg/L	5	5/28/2004
2-Hexanone	ND	50		µg/L	5	5/28/2004
Isopropylbenzene	ND	5.0		µg/L	5	5/28/2004
4-Isopropyltoluene	ND	5.0		µg/L	5	5/28/2004
4-Methyl-2-pentanone	2200	200		µg/L	20	6/1/2004
Methylene Chloride	190	15		µg/L	5	5/28/2004
n-Butylbenzene	ND	5.0		µg/L	5	5/28/2004
n-Propylbenzene	ND	5.0		µg/L	5	5/28/2004
sec-Butylbenzene	ND	5.0		µg/L	5	5/28/2004
Styrene	ND	5.0		µg/L	5	5/28/2004
tert-Butylbenzene	ND	5.0		µg/L	5	5/28/2004
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	5/28/2004
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	5	5/28/2004
Tetrachloroethene (PCE)	32	5.0		µg/L	5	5/28/2004
trans-1,2-DCE	ND	5.0		µg/L	5	5/28/2004
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	5/28/2004
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	5/28/2004
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	5/28/2004
1,1,1-Trichloroethane	170	5.0		µg/L	5	5/28/2004
1,1,2-Trichloroethane	ND	5.0		µg/L	5	5/28/2004
Trichloroethene (TCE)	38	5.0		µg/L	5	5/28/2004
Trichlorofluoromethane	ND	5.0		µg/L	5	5/28/2004
1,2,3-Trichloropropane	ND	10		µg/L	5	5/28/2004
Vinyl chloride	ND	5.0		µg/L	5	5/28/2004
Xylenes, Total	120	5.0		µg/L	5	5/28/2004
Surr: 1,2-Dichloroethane-d4	108	70.6-124		%REC	5	5/28/2004
Surr: 4-Bromofluorobenzene	103	76.4-130		%REC	5	5/28/2004
Surr: Dibromofluoromethane	104	67.2-131		%REC	5	5/28/2004
Surr: Toluene-d8	104	82.1-123		%REC	5	5/28/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	TRIP BLANK
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	
Lab ID:	0405228-12A	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	ND	1.0		µg/L	1	5/28/2004
Toluene	ND	1.0		µg/L	1	5/28/2004
Ethylbenzene	ND	1.0		µg/L	1	5/28/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/28/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/28/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/28/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/28/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/28/2004
Naphthalene	ND	2.0		µg/L	1	5/28/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	5/28/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	5/28/2004
Acetone	ND	10		µg/L	1	5/28/2004
Bromobenzene	ND	1.0		µg/L	1	5/28/2004
Bromochloromethane	ND	1.0		µg/L	1	5/28/2004
Bromodichloromethane	ND	1.0		µg/L	1	5/28/2004
Bromoform	ND	1.0		µg/L	1	5/28/2004
Bromomethane	ND	2.0		µg/L	1	5/28/2004
2-Butanone	ND	10		µg/L	1	5/28/2004
Carbon disulfide	ND	10		µg/L	1	5/28/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	5/28/2004
Chlorobenzene	ND	1.0		µg/L	1	5/28/2004
Chloroethane	ND	2.0		µg/L	1	5/28/2004
Chloroform	ND	1.0		µg/L	1	5/28/2004
Chloromethane	ND	1.0		µg/L	1	5/28/2004
2-Chlorotoluene	ND	1.0		µg/L	1	5/28/2004
4-Chlorotoluene	ND	1.0		µg/L	1	5/28/2004
cis-1,2-DCE	ND	1.0		µg/L	1	5/28/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/28/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/28/2004
Dibromochloromethane	ND	1.0		µg/L	1	5/28/2004
Dibromomethane	ND	2.0		µg/L	1	5/28/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/28/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/28/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/28/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/28/2004
1,1-Dichloroethane	ND	1.0		µg/L	1	5/28/2004
1,1-Dichloroethene	ND	1.0		µg/L	1	5/28/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	5/28/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	5/28/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	5/28/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT:	Cypress Engineering	**Client Sample ID:**	TRIP BLANK
Lab Order:	0405228	**Tag Number:**	
Project:	TWP WT-1 Engine Rm Pit Area	**Collection Date:**	
Lab ID:	0405228-12A	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloropropene	ND	1.0		µg/L	1	5/28/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	5/28/2004
2-Hexanone	ND	10		µg/L	1	5/28/2004
Isopropylbenzene	ND	1.0		µg/L	1	5/28/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	5/28/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	5/28/2004
Methylene Chloride	ND	3.0		µg/L	1	5/28/2004
n-Butylbenzene	ND	1.0		µg/L	1	5/28/2004
n-Propylbenzene	ND	1.0		µg/L	1	5/28/2004
sec-Butylbenzene	ND	1.0		µg/L	1	5/28/2004
Styrene	ND	1.0		µg/L	1	5/28/2004
tert-Butylbenzene	ND	1.0		µg/L	1	5/28/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/28/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	5/28/2004
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/28/2004
trans-1,2-DCE	ND	1.0		µg/L	1	5/28/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/28/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/28/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/28/2004
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/28/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/28/2004
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/28/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	5/28/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/28/2004
Vinyl chloride	ND	1.0		µg/L	1	5/28/2004
Xylenes, Total	ND	1.0		µg/L	1	5/28/2004
Surr: 1,2-Dichloroethane-d4	107	70.6-124		%REC	1	5/28/2004
Surr: 4-Bromofluorobenzene	102	76.4-130		%REC	1	5/28/2004
Surr: Dibromofluoromethane	99.4	67.2-131		%REC	1	5/28/2004
Surr: Toluene-d8	111	82.1-123		%REC	1	5/28/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation 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

Date: *02-Jun-04*

CLIENT: Cypress Engineering
Work Order: 0405228
Project: TWP WT-1 Engine Rm Pit Area

QC SUMMARY REPORT
Method Blank

Sample ID 5ml rb | Batch ID: R12029 | Test Code: SW8260B | Units: µg/L | Analysis Date 5/27/2004 | Prep Date
Client ID: | Run ID: VAL_040527A | SeqNo: 276388

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1.0									
Toluene	ND	1.0									
Ethylbenzene	ND	1.0									
Methyl tert-butyl ether (MTBE)	ND	1.0									
1,2,4-Trimethylbenzene	ND	1.0									
1,3,5-Trimethylbenzene	ND	1.0									
1,2-Dichloroethane (EDC)	ND	1.0									
1,2-Dibromoethane (EDB)	ND	1.0									
Naphthalene	ND	2.0									
1-Methylnaphthalene	ND	4.0									
2-Methylnaphthalene	ND	4.0									
Acetone	ND	10									
Bromobenzene	ND	1.0									
Bromochloromethane	ND	1.0									
Bromodichloromethane	ND	1.0									
Bromoform	ND	1.0									
Bromomethane	ND	2.0									
2-Butanone	ND	10									
Carbon disulfide	ND	10									
Carbon Tetrachloride	ND	1.0									
Chlorobenzene	ND	1.0									
Chloroethane	ND	2.0									
Chloroform	ND	1.0									
Chloromethane	ND	1.0									
2-Chlorotoluene	ND	1.0									
4-Chlorotoluene	ND	1.0									
cis-1,2-DCE	ND	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit | S - Spike Recovery outside accepted recovery limits | B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits

CLIENT: Cypress Engineering
Work Order: 0405228
Project: TWP WT-1 Engine Rm Pit Area

QC SUMMARY REPORT
Method Blank

cis-1,3-Dichloropropene	ND	1.0
1,2-Dibromo-3-chloropropane	ND	2.0
Dibromochloromethane	ND	1.0
Dibromomethane	ND	2.0
1,2-Dichlorobenzene	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0
Dichlorodifluoromethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloropropane	ND	1.0
1,3-Dichloropropane	ND	1.0
2,2-Dichloropropane	ND	1.0
1,1-Dichloropropene	ND	1.0
Hexachlorobutadiene	ND	1.0
2-Hexanone	ND	10
Isopropylbenzene	ND	1.0
4-Isopropyltoluene	ND	1.0
4-Methyl-2-pentanone	ND	10
Methylene Chloride	ND	3.0
n-Butylbenzene	ND	1.0
n-Propylbenzene	ND	1.0
sec-Butylbenzene	ND	1.0
Styrene	ND	1.0
tert-Butylbenzene	ND	1.0
1,1,1,2-Tetrachloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Tetrachloroethene (PCE)	ND	1.0
trans-1,2-DCE	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
1,2,3-Trichlorobenzene	ND	1.0
1,2,4-Trichlorobenzene	ND	1.0
1,1,1-Trichloroethane	ND	1.0

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: Cypress Engineering
Work Order: 0405228
Project: TWP WT-1 Engine Rm Pit Area

QC SUMMARY REPORT
Method Blank

1,1,2-Trichloroethane	ND	1.0						
Trichloroethene (TCE)	ND	1.0						
Trichlorofluoromethane	ND	1.0						
1,2,3-Trichloropropane	ND	2.0						
Vinyl chloride	ND	1.0						
Xylenes, Total	ND	1.0						
Surr: 1,2-Dichloroethane-d4	10.38	0	10	0	104	68.4	127	0
Surr: 4-Bromofluorobenzene	10.22	0	10	0	102	70.4	126	0
Surr: Dibromofluoromethane	10.26	0	10	0	103	70.2	126	0
Surr: Toluene-d8	9.606	0	10	0	96.1	73.5	129	0

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Date: *02-Jun-04*

CLIENT: Cypress Engineering
Work Order: 0405228
Project: TWP WT-1 Engine Rm Pit Area

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID **100ng lcs** Batch ID: **R12029** Test Code: **SW8260B** Units: **µg/L** Analysis Date **5/27/2004** Prep Date

Client ID: Run ID: **VAL_040527A** SeqNo: **276390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.9	1.0	20	0	105	75.3	128	0			
Toluene	19.97	1.0	20	0	99.8	87.7	122	0			
Chlorobenzene	20.65	1.0	20	0	103	85.6	136	0			
1,1-Dichloroethene	20.18	1.0	20	0	101	70.7	122	0			
Trichloroethene (TCE)	20.38	1.0	20	0	102	76.9	130	0			

Sample ID **100ng ccv** Batch ID: **R12029** Test Code: **SW8260B** Units: **µg/L** Analysis Date **5/27/2004** Prep Date

Client ID: Run ID: **VAL_040527A** SeqNo: **276391**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.73	1.0	20	0	98.6	75.3	128	20.9	5.79	11	
Toluene	20.12	1.0	20	0	101	87.7	122	19.97	0.748	12.2	
Chlorobenzene	19.85	1.0	20	0	99.3	85.6	136	20.65	3.94	12	
1,1-Dichloroethene	20.21	1.0	20	0	101	70.7	122	20.18	0.149	19.3	
Trichloroethene (TCE)	20.29	1.0	20	0	101	76.9	130	20.38	0.423	15.5	

Sample ID **100ng lcs** Batch ID: **R12035** Test Code: **SW8260B** Units: **µg/L** Analysis Date **5/28/2004** Prep Date

Client ID: Run ID: **THOR_040528A** SeqNo: **276698**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	22.11	1.0	20	0	111	75.3	128	0			
Toluene	19.27	1.0	20	0	96.4	87.7	122	0			
Chlorobenzene	20.91	1.0	20	0	105	85.6	136	0			
1,1-Dichloroethene	21.82	1.0	20	0	109	70.7	122	0			
Trichloroethene (TCE)	20.98	1.0	20	0	105	76.9	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blank

CLIENT: Cypress Engineering
Work Order: 0405228
Project: TWP WT-1 Engine Rm Pit Area

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID 100ng lcs | Batch ID: R12045 | Test Code: SW8260B | Units: µg/L | Analysis Date 6/1/2004 | Prep Date
Client ID: | Run ID: THOR_040601A | SeqNo: 276985

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	23.12	1.0	20	0	116	75.3	128	0			
Toluene	19.68	1.0	20	0	98.4	87.7	122	0			
Chlorobenzene	20.54	1.0	20	0	103	85.6	136	0			
1,1-Dichloroethene	22.44	1.0	20	0	112	70.7	122	0			
Trichloroethene (TCE)	21.48	1.0	20	0	107	76.9	130	0			

Sample ID 100ng ccv | Batch ID: R12045 | Test Code: SW8260B | Units: µg/L | Analysis Date 6/1/2004 | Prep Date
Client ID: | Run ID: THOR_040601A | SeqNo: 276996

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	22.35	1.0	20	0	112	75.3	128	23.12	3.39	11	
Toluene	20.91	1.0	20	0	105	87.7	122	19.68	6.04	12.2	
Chlorobenzene	20.94	1.0	20	0	105	85.6	136	20.54	1.94	12	
1,1-Dichloroethene	23.39	1.0	20	0	117	70.7	122	22.44	4.15	19.3	
Trichloroethene (TCE)	20.85	1.0	20	0	104	76.9	130	21.48	2.96	15.5	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Sample Receipt Checklist

Client Name CYP | Date and Time Received:

Work Order Number 0405228 | Received by AMG

Checklist completed by A Gonzales (Signature) 05/26/04 (Date)

Matrix | Carrier name Greyhound

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

Container/Temp Blank temperature? 2° *4° C ± 2 Acceptable* If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

Accreditation Applied: NELAC ☐ USACE ☐ Other: _____

Client: Cypress Engineering
ATTN: George Robinson, PE
Address: 7171 Highway 6 North
Suite 102
Houston, Texas 77095
Phone #: 281-797-3420
Fax #: 281-859-1881

Project Name: TWP WT-1 Engine Room Pit Area
Project #: SEMI-ANNUAL MONITOR WELL Sampling
Project Manager: George Robinson, PE
Sampler: CM Barnhill, PG
Sample Temperature: 2.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative $HgCl_2$	Preservative HNO_3	Preservative	HEAL No.
05/25/04	12:38	H_2O	MW-04	3 x 40mL VOA's	X			1
05/25/04	13:18	H_2O	MW-16	" "	X			2
05/25/04	14:06	H_2O	MW-15	" " "	X			3
05/25/04	15:00	H_2O	MW-17	" " "	X			4
05/25/04	15:01	H_2O	MW-14	" " "	X			5
05/25/04	15:55	H_2O	MW-6	" " "	X			6
05/25/04	16:30	H_2O	MW-7	" " "	X			7
05/25/04	17:41	H_2O	MW-8	" " "	X			8
05/25/04	19:05	H_2O	MW-5	" " "	X			9
05/25/04	18:00	H_2O	SVE-1A	" " "	X			10
05/25/04	19:24	H_2O	MW-1	" " "	X			11
		H_2O	TRIP Blank	2 x 40mL VOA's	X			12

Analysis	05-25-04
BTEX + MTBE + TMB's (8021)	
BTEX + MTBE + TPH (Gasoline Only)	
TPH Method 8015B (Gas/Diesel)	
TPH (Method 418.1)	
EDB (Method 504.1)	
EDC (Method 8021)	
8310 (PNA or PAH)	
RCRA 8 Metals	
Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	
8081 Pesticides / PCB's (8082)	
8260B (VOA) - VOC's 8260	X
8270 (Semi-VOA)	
1,2 dichloroethane	X
3 isomers-dichloro benzene	X
Acetone, Methyl, ethyl	X
Ketone, 4-methyl, 2 pentanone	X
Air Bubbles or Headspace (Y or N)	N

Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)
05/26/04	0630		05/26/04 1702
Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)

Remarks: Any Questions? Call Sandy Sharpe 281-797-3421

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

November 23, 2004

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 Engine Room Pit Area Order No.: 0411160

Dear George Robinson:

Hall Environmental Analysis Laboratory received 12 samples on 11/12/2004 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

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

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

Hall Environmental Analysis Laboratory

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Project: TWP WT-1 Engine Room Pit Area
Lab Order: 0411160

CASE NARRATIVE

Analytical Comments for METHOD 300_W, SAMPLE LCS: IN12-04066

Hall Environmental Analysis Laboratory

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-4
Lab Order: 0411160
Collection Date: 11/9/2004 11:50:00 AM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-01
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MAP
Chloride	270	1.0		mg/L	10	11/17/2004 9:05:13 PM
Sulfate	580	5.0		mg/L	10	11/17/2004 9:05:13 PM
Nitrate (As N)+Nitrite (As N)	6.7	0.50		mg/L	5	11/16/2004 10:15:20 PM
EPA METHOD 8260B: VOLATILES						Analyst: KTM
Benzene	ND	1.0		µg/L	1	11/16/2004
Toluene	ND	1.0		µg/L	1	11/16/2004
Ethylbenzene	ND	1.0		µg/L	1	11/16/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/16/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/16/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/16/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/16/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/16/2004
Naphthalene	ND	2.0		µg/L	1	11/16/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	11/16/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	11/16/2004
Acetone	ND	10		µg/L	1	11/16/2004
Bromobenzene	ND	1.0		µg/L	1	11/16/2004
Bromochloromethane	ND	1.0		µg/L	1	11/16/2004
Bromodichloromethane	ND	1.0		µg/L	1	11/16/2004
Bromoform	ND	1.0		µg/L	1	11/16/2004
Bromomethane	ND	2.0		µg/L	1	11/16/2004
2-Butanone	ND	10		µg/L	1	11/16/2004
Carbon disulfide	ND	10		µg/L	1	11/16/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	11/16/2004
Chlorobenzene	5.6	1.0		µg/L	1	11/16/2004
Chloroethane	ND	2.0		µg/L	1	11/16/2004
Chloroform	ND	1.0		µg/L	1	11/16/2004
Chloromethane	ND	1.0		µg/L	1	11/16/2004
2-Chlorotoluene	ND	1.0		µg/L	1	11/16/2004
4-Chlorotoluene	ND	1.0		µg/L	1	11/16/2004
cis-1,2-DCE	ND	1.0		µg/L	1	11/16/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/16/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/16/2004
Dibromochloromethane	ND	1.0		µg/L	1	11/16/2004
Dibromomethane	ND	2.0		µg/L	1	11/16/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/16/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/16/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/16/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/16/2004
1,1-Dichloroethane	ND	1.0		µg/L	1	11/16/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-4
Lab Order: 0411160
Collection Date: 11/9/2004 11:50:00 AM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-01
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethene	ND	1.0		µg/L	1	11/16/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	11/16/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	11/16/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	11/16/2004
1,1-Dichloropropene	ND	1.0		µg/L	1	11/16/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	11/16/2004
2-Hexanone	ND	10		µg/L	1	11/16/2004
Isopropylbenzene	ND	1.0		µg/L	1	11/16/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	11/16/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	11/16/2004
Methylene Chloride	ND	3.0		µg/L	1	11/16/2004
n-Butylbenzene	ND	1.0		µg/L	1	11/16/2004
n-Propylbenzene	ND	1.0		µg/L	1	11/16/2004
sec-Butylbenzene	1.1	1.0		µg/L	1	11/16/2004
Styrene	ND	1.0		µg/L	1	11/16/2004
tert-Butylbenzene	ND	1.0		µg/L	1	11/16/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/16/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	11/16/2004
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/16/2004
trans-1,2-DCE	ND	1.0		µg/L	1	11/16/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/16/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/16/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/16/2004
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/16/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/16/2004
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/16/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	11/16/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/16/2004
Vinyl chloride	ND	1.0		µg/L	1	11/16/2004
Xylenes, Total	ND	1.0		µg/L	1	11/16/2004
Surr: 1,2-Dichloroethane-d4	98.5	70.6-124		%REC	1	11/16/2004
Surr: 4-Bromofluorobenzene	99.9	76.4-130		%REC	1	11/16/2004
Surr: Dibromofluoromethane	91.1	67.2-131		%REC	1	11/16/2004
Surr: Toluene-d8	109	82.1-123		%REC	1	11/16/2004
EPA 6010C: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	11/15/2004 4:09:25 PM
Barium	0.022	0.020		mg/L	1	11/15/2004 4:09:25 PM
Iron	ND	0.020		mg/L	1	11/15/2004 4:09:25 PM
Manganese	0.18	0.0020		mg/L	1	11/15/2004 4:09:25 PM
EPA METHOD 160.1: TDS						Analyst: **MAP**
Total Dissolved Solids	2000	50		mg/L	1	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-16
Lab Order: 0411160
Collection Date: 11/9/2004 12:35:00 PM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-02
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MAP**
Chloride	680	2.0		mg/L	20	11/17/2004 9:22:01 PM
Sulfate	960	10		mg/L	20	11/17/2004 9:22:01 PM
Nitrate (As N)+Nitrite (As N)	2.0	0.50		mg/L	5	11/16/2004 11:22:25 PM
EPA METHOD 8260B: VOLATILES						Analyst: **KTM**
Benzene	ND	1.0		µg/L	1	11/16/2004
Toluene	ND	1.0		µg/L	1	11/16/2004
Ethylbenzene	ND	1.0		µg/L	1	11/16/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/16/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/16/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/16/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/16/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/16/2004
Naphthalene	ND	2.0		µg/L	1	11/16/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	11/16/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	11/16/2004
Acetone	ND	10		µg/L	1	11/16/2004
Bromobenzene	ND	1.0		µg/L	1	11/16/2004
Bromochloromethane	ND	1.0		µg/L	1	11/16/2004
Bromodichloromethane	ND	1.0		µg/L	1	11/16/2004
Bromoform	ND	1.0		µg/L	1	11/16/2004
Bromomethane	ND	2.0		µg/L	1	11/16/2004
2-Butanone	ND	10		µg/L	1	11/16/2004
Carbon disulfide	ND	10		µg/L	1	11/16/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	11/16/2004
Chlorobenzene	ND	1.0		µg/L	1	11/16/2004
Chloroethane	ND	2.0		µg/L	1	11/16/2004
Chloroform	ND	1.0		µg/L	1	11/16/2004
Chloromethane	ND	1.0		µg/L	1	11/16/2004
2-Chlorotoluene	ND	1.0		µg/L	1	11/16/2004
4-Chlorotoluene	ND	1.0		µg/L	1	11/16/2004
cis-1,2-DCE	ND	1.0		µg/L	1	11/16/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/16/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/16/2004
Dibromochloromethane	ND	1.0		µg/L	1	11/16/2004
Dibromomethane	ND	2.0		µg/L	1	11/16/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/16/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/16/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/16/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/16/2004
1,1-Dichloroethane	1.3	1.0		µg/L	1	11/16/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-16
Lab Order: 0411160
Collection Date: 11/9/2004 12:35:00 PM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-02
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethene	1.0	1.0		µg/L	1	11/16/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	11/16/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	11/16/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	11/16/2004
1,1-Dichloropropene	ND	1.0		µg/L	1	11/16/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	11/16/2004
2-Hexanone	ND	10		µg/L	1	11/16/2004
Isopropylbenzene	ND	1.0		µg/L	1	11/16/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	11/16/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	11/16/2004
Methylene Chloride	ND	3.0		µg/L	1	11/16/2004
n-Butylbenzene	ND	1.0		µg/L	1	11/16/2004
n-Propylbenzene	ND	1.0		µg/L	1	11/16/2004
sec-Butylbenzene	ND	1.0		µg/L	1	11/16/2004
Styrene	ND	1.0		µg/L	1	11/16/2004
tert-Butylbenzene	ND	1.0		µg/L	1	11/16/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/16/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	11/16/2004
Tetrachloroethene (PCE)	8.3	1.0		µg/L	1	11/16/2004
trans-1,2-DCE	ND	1.0		µg/L	1	11/16/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/16/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/16/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/16/2004
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/16/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/16/2004
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/16/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	11/16/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/16/2004
Vinyl chloride	ND	1.0		µg/L	1	11/16/2004
Xylenes, Total	ND	1.0		µg/L	1	11/16/2004
Surr: 1,2-Dichloroethane-d4	98.8	70.6-124		%REC	1	11/16/2004
Surr: 4-Bromofluorobenzene	95.2	76.4-130		%REC	1	11/16/2004
Surr: Dibromofluoromethane	92.1	67.2-131		%REC	1	11/16/2004
Surr: Toluene-d8	104	82.1-123		%REC	1	11/16/2004
EPA 6010C: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	11/15/2004 2:53:29 PM
Barium	0.021	0.020		mg/L	1	11/15/2004 2:53:29 PM
Iron	ND	0.020		mg/L	1	11/15/2004 2:53:29 PM
Manganese	0.31	0.0020		mg/L	1	11/15/2004 2:53:29 PM
EPA METHOD 160.1: TDS						Analyst: **MAP**
Total Dissolved Solids	3000	50		mg/L	1	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-15
Lab Order: 0411160
Collection Date: 11/9/2004 1:15:00 PM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-03
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MAP**
Chloride	280	1.0		mg/L	10	11/17/2004 9:38:49 PM
Sulfate	630	5.0		mg/L	10	11/17/2004 9:38:49 PM
Nitrate (As N)+Nitrite (As N)	8.7	0.50		mg/L	5	11/16/2004 11:39:14 PM
EPA METHOD 8260B: VOLATILES						Analyst: **KTM**
Benzene	ND	1.0		µg/L	1	11/16/2004
Toluene	ND	1.0		µg/L	1	11/16/2004
Ethylbenzene	ND	1.0		µg/L	1	11/16/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/16/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/16/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/16/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/16/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/16/2004
Naphthalene	ND	2.0		µg/L	1	11/16/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	11/16/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	11/16/2004
Acetone	ND	10		µg/L	1	11/16/2004
Bromobenzene	ND	1.0		µg/L	1	11/16/2004
Bromochloromethane	ND	1.0		µg/L	1	11/16/2004
Bromodichloromethane	ND	1.0		µg/L	1	11/16/2004
Bromoform	ND	1.0		µg/L	1	11/16/2004
Bromomethane	ND	2.0		µg/L	1	11/16/2004
2-Butanone	ND	10		µg/L	1	11/16/2004
Carbon disulfide	ND	10		µg/L	1	11/16/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	11/16/2004
Chlorobenzene	ND	1.0		µg/L	1	11/16/2004
Chloroethane	ND	2.0		µg/L	1	11/16/2004
Chloroform	ND	1.0		µg/L	1	11/16/2004
Chloromethane	ND	1.0		µg/L	1	11/16/2004
2-Chlorotoluene	ND	1.0		µg/L	1	11/16/2004
4-Chlorotoluene	ND	1.0		µg/L	1	11/16/2004
cis-1,2-DCE	ND	1.0		µg/L	1	11/16/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/16/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/16/2004
Dibromochloromethane	ND	1.0		µg/L	1	11/16/2004
Dibromomethane	ND	2.0		µg/L	1	11/16/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/16/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/16/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/16/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/16/2004
1,1-Dichloroethane	2.5	1.0		µg/L	1	11/16/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-15
Lab Order: 0411160
Collection Date: 11/9/2004 1:15:00 PM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-03
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethene	1.9	1.0		µg/L	1	11/16/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	11/16/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	11/16/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	11/16/2004
1,1-Dichloropropene	ND	1.0		µg/L	1	11/16/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	11/16/2004
2-Hexanone	ND	10		µg/L	1	11/16/2004
Isopropylbenzene	ND	1.0		µg/L	1	11/16/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	11/16/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	11/16/2004
Methylene Chloride	ND	3.0		µg/L	1	11/16/2004
n-Butylbenzene	ND	1.0		µg/L	1	11/16/2004
n-Propylbenzene	ND	1.0		µg/L	1	11/16/2004
sec-Butylbenzene	ND	1.0		µg/L	1	11/16/2004
Styrene	ND	1.0		µg/L	1	11/16/2004
tert-Butylbenzene	ND	1.0		µg/L	1	11/16/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/16/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	11/16/2004
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/16/2004
trans-1,2-DCE	ND	1.0		µg/L	1	11/16/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/16/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/16/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/16/2004
1,1,1-Trichloroethane	2.7	1.0		µg/L	1	11/16/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/16/2004
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/16/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	11/16/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/16/2004
Vinyl chloride	ND	1.0		µg/L	1	11/16/2004
Xylenes, Total	ND	1.0		µg/L	1	11/16/2004
Surr: 1,2-Dichloroethane-d4	98.7	70.6-124		%REC	1	11/16/2004
Surr: 4-Bromofluorobenzene	92.3	76.4-130		%REC	1	11/16/2004
Surr: Dibromofluoromethane	91.3	67.2-131		%REC	1	11/16/2004
Surr: Toluene-d8	102	82.1-123		%REC	1	11/16/2004
EPA 6010C: TOTAL RECOVERABLE METALS						Analyst: NMO
Arsenic	ND	0.020		mg/L	1	11/15/2004 2:57:03 PM
Barium	0.024	0.020		mg/L	1	11/15/2004 2:57:03 PM
Iron	ND	0.020		mg/L	1	11/15/2004 2:57:03 PM
Manganese	0.0030	0.0020		mg/L	1	11/15/2004 2:57:03 PM
EPA METHOD 160.1: TDS						Analyst: MAP
Total Dissolved Solids	1900	50		mg/L	1	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-1
Lab Order: 0411160
Collection Date: 11/9/2004 3:15:00 PM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-04
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MAP
Chloride	180	1.0		mg/L	10	11/17/2004 9:55:38 PM
Sulfate	0.80	0.50		mg/L	1	11/19/2004 4:42:35 PM
Nitrate (As N)+Nitrite (As N)	ND	0.50		mg/L	5	11/16/2004 11:56:03 PM
EPA METHOD 8260B: VOLATILES						Analyst: KTM
Benzene	23	10		µg/L	10	11/17/2004
Toluene	53	10		µg/L	10	11/17/2004
Ethylbenzene	16	10		µg/L	10	11/17/2004
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	11/17/2004
1,2,4-Trimethylbenzene	62	10		µg/L	10	11/17/2004
1,3,5-Trimethylbenzene	22	10		µg/L	10	11/17/2004
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	11/17/2004
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	11/17/2004
Naphthalene	23	20		µg/L	10	11/17/2004
1-Methylnaphthalene	ND	40		µg/L	10	11/17/2004
2-Methylnaphthalene	ND	40		µg/L	10	11/17/2004
Acetone	ND	100		µg/L	10	11/17/2004
Bromobenzene	ND	10		µg/L	10	11/17/2004
Bromochloromethane	ND	10		µg/L	10	11/17/2004
Bromodichloromethane	ND	10		µg/L	10	11/17/2004
Bromoform	ND	10		µg/L	10	11/17/2004
Bromomethane	ND	20		µg/L	10	11/17/2004
2-Butanone	ND	100		µg/L	10	11/17/2004
Carbon disulfide	ND	100		µg/L	10	11/17/2004
Carbon Tetrachloride	ND	10		µg/L	10	11/17/2004
Chlorobenzene	ND	10		µg/L	10	11/17/2004
Chloroethane	ND	20		µg/L	10	11/17/2004
Chloroform	ND	10		µg/L	10	11/17/2004
Chloromethane	ND	10		µg/L	10	11/17/2004
2-Chlorotoluene	ND	10		µg/L	10	11/17/2004
4-Chlorotoluene	ND	10		µg/L	10	11/17/2004
cis-1,2-DCE	ND	10		µg/L	10	11/17/2004
cis-1,3-Dichloropropene	ND	10		µg/L	10	11/17/2004
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	11/17/2004
Dibromochloromethane	ND	10		µg/L	10	11/17/2004
Dibromomethane	ND	20		µg/L	10	11/17/2004
1,2-Dichlorobenzene	ND	10		µg/L	10	11/17/2004
1,3-Dichlorobenzene	ND	10		µg/L	10	11/17/2004
1,4-Dichlorobenzene	ND	10		µg/L	10	11/17/2004
Dichlorodifluoromethane	ND	10		µg/L	10	11/17/2004
1,1-Dichloroethane	410	10		µg/L	10	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-1
Lab Order: 0411160
Collection Date: 11/9/2004 3:15:00 PM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-04
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethene	ND	10		µg/L	10	11/17/2004
1,2-Dichloropropane	ND	10		µg/L	10	11/17/2004
1,3-Dichloropropane	ND	10		µg/L	10	11/17/2004
2,2-Dichloropropane	ND	10		µg/L	10	11/17/2004
1,1-Dichloropropene	ND	10		µg/L	10	11/17/2004
Hexachlorobutadiene	ND	10		µg/L	10	11/17/2004
2-Hexanone	ND	100		µg/L	10	11/17/2004
Isopropylbenzene	ND	10		µg/L	10	11/17/2004
4-Isopropyltoluene	ND	10		µg/L	10	11/17/2004
4-Methyl-2-pentanone	2800	100		µg/L	10	11/17/2004
Methylene Chloride	ND	30		µg/L	10	11/17/2004
n-Butylbenzene	ND	10		µg/L	10	11/17/2004
n-Propylbenzene	ND	10		µg/L	10	11/17/2004
sec-Butylbenzene	ND	10		µg/L	10	11/17/2004
Styrene	ND	10		µg/L	10	11/17/2004
tert-Butylbenzene	ND	10		µg/L	10	11/17/2004
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	11/17/2004
1,1,2,2-Tetrachloroethane	ND	10		µg/L	10	11/17/2004
Tetrachloroethene (PCE)	11	10		µg/L	10	11/17/2004
trans-1,2-DCE	ND	10		µg/L	10	11/17/2004
trans-1,3-Dichloropropene	ND	10		µg/L	10	11/17/2004
1,2,3-Trichlorobenzene	ND	10		µg/L	10	11/17/2004
1,2,4-Trichlorobenzene	ND	10		µg/L	10	11/17/2004
1,1,1-Trichloroethane	39	10		µg/L	10	11/17/2004
1,1,2-Trichloroethane	ND	10		µg/L	10	11/17/2004
Trichloroethene (TCE)	42	10		µg/L	10	11/17/2004
Trichlorofluoromethane	ND	10		µg/L	10	11/17/2004
1,2,3-Trichloropropane	ND	20		µg/L	10	11/17/2004
Vinyl chloride	ND	10		µg/L	10	11/17/2004
Xylenes, Total	160	10		µg/L	10	11/17/2004
Surr: 1,2-Dichloroethane-d4	97.9	70.6-124		%REC	10	11/17/2004
Surr: 4-Bromofluorobenzene	101	76.4-130		%REC	10	11/17/2004
Surr: Dibromofluoromethane	90.8	67.2-131		%REC	10	11/17/2004
Surr: Toluene-d8	107	82.1-123		%REC	10	11/17/2004
EPA 6010C: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	0.15	0.020		mg/L	1	11/15/2004 3:00:37 PM
Barium	25	2.0		mg/L	100	11/15/2004 4:23:54 PM
Iron	8.7	0.020		mg/L	1	11/15/2004 3:00:37 PM
Manganese	0.014	0.0020		mg/L	1	11/15/2004 3:00:37 PM
EPA METHOD 160.1: TDS						Analyst: **MAP**
Total Dissolved Solids	1900	50		mg/L	1	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-6
Lab Order: 0411160
Collection Date: 11/9/2004 2:50:00 PM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-05
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MAP
Chloride	680	2.0		mg/L	20	11/17/2004 10:12:26 PM
Sulfate	540	10		mg/L	20	11/17/2004 10:12:26 PM
Nitrate (As N)+Nitrite (As N)	ND	0.50		mg/L	5	11/17/2004 12:12:47 AM
EPA METHOD 8260B: VOLATILES						Analyst: KTM
Benzene	ND	1.0		µg/L	1	11/17/2004
Toluene	ND	1.0		µg/L	1	11/17/2004
Ethylbenzene	ND	1.0		µg/L	1	11/17/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/17/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/17/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/17/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/17/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/17/2004
Naphthalene	ND	2.0		µg/L	1	11/17/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	11/17/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	11/17/2004
Acetone	ND	10		µg/L	1	11/17/2004
Bromobenzene	ND	1.0		µg/L	1	11/17/2004
Bromochloromethane	ND	1.0		µg/L	1	11/17/2004
Bromodichloromethane	ND	1.0		µg/L	1	11/17/2004
Bromoform	ND	1.0		µg/L	1	11/17/2004
Bromomethane	ND	2.0		µg/L	1	11/17/2004
2-Butanone	ND	10		µg/L	1	11/17/2004
Carbon disulfide	ND	10		µg/L	1	11/17/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	11/17/2004
Chlorobenzene	ND	1.0		µg/L	1	11/17/2004
Chloroethane	ND	2.0		µg/L	1	11/17/2004
Chloroform	ND	1.0		µg/L	1	11/17/2004
Chloromethane	ND	1.0		µg/L	1	11/17/2004
2-Chlorotoluene	ND	1.0		µg/L	1	11/17/2004
4-Chlorotoluene	ND	1.0		µg/L	1	11/17/2004
cis-1,2-DCE	4.6	1.0		µg/L	1	11/17/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/17/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/17/2004
Dibromochloromethane	ND	1.0		µg/L	1	11/17/2004
Dibromomethane	ND	2.0		µg/L	1	11/17/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/17/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/17/2004
1,1-Dichloroethane	5.5	1.0		µg/L	1	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-6
Lab Order: 0411160
Collection Date: 11/9/2004 2:50:00 PM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-05
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethene	ND	1.0		µg/L	1	11/17/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	11/17/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	11/17/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	11/17/2004
1,1-Dichloropropene	ND	1.0		µg/L	1	11/17/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	11/17/2004
2-Hexanone	ND	10		µg/L	1	11/17/2004
Isopropylbenzene	ND	1.0		µg/L	1	11/17/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	11/17/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	11/17/2004
Methylene Chloride	ND	3.0		µg/L	1	11/17/2004
n-Butylbenzene	ND	1.0		µg/L	1	11/17/2004
n-Propylbenzene	ND	1.0		µg/L	1	11/17/2004
sec-Butylbenzene	ND	1.0		µg/L	1	11/17/2004
Styrene	ND	1.0		µg/L	1	11/17/2004
tert-Butylbenzene	ND	1.0		µg/L	1	11/17/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/17/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	11/17/2004
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/17/2004
trans-1,2-DCE	ND	1.0		µg/L	1	11/17/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/17/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/17/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/17/2004
Trichloroethene (TCE)	10	1.0		µg/L	1	11/17/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	11/17/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/17/2004
Vinyl chloride	ND	1.0		µg/L	1	11/17/2004
Xylenes, Total	ND	1.0		µg/L	1	11/17/2004
Surr: 1,2-Dichloroethane-d4	99.7	70.6-124		%REC	1	11/17/2004
Surr: 4-Bromofluorobenzene	96.8	76.4-130		%REC	1	11/17/2004
Surr: Dibromofluoromethane	91.0	67.2-131		%REC	1	11/17/2004
Surr: Toluene-d8	106	82.1-123		%REC	1	11/17/2004
EPA 6010C: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	11/15/2004 3:03:54 PM
Barium	0.088	0.020		mg/L	1	11/15/2004 3:03:54 PM
Iron	0.74	0.020		mg/L	1	11/15/2004 3:03:54 PM
Manganese	0.83	0.0020		mg/L	1	11/15/2004 3:03:54 PM
EPA METHOD 160.1: TDS						Analyst: **MAP**
Total Dissolved Solids	2600	50		mg/L	1	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-8
Lab Order: 0411160
Collection Date: 11/9/2004 5:05:00 PM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-06
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MAP**
Chloride	430	2.0		mg/L	20	11/17/2004 10:29:15 PM
Sulfate	160	10		mg/L	20	11/17/2004 10:29:15 PM
Nitrate (As N)+Nitrite (As N)	ND	0.50		mg/L	5	11/17/2004 12:29:30 AM
EPA METHOD 8260B: VOLATILES						Analyst: **KTM**
Benzene	7.5	5.0		µg/L	5	11/17/2004
Toluene	ND	5.0		µg/L	5	11/17/2004
Ethylbenzene	ND	5.0		µg/L	5	11/17/2004
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	11/17/2004
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	11/17/2004
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	11/17/2004
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	11/17/2004
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/17/2004
Naphthalene	ND	10		µg/L	5	11/17/2004
1-Methylnaphthalene	ND	20		µg/L	5	11/17/2004
2-Methylnaphthalene	ND	20		µg/L	5	11/17/2004
Acetone	ND	50		µg/L	5	11/17/2004
Bromobenzene	ND	5.0		µg/L	5	11/17/2004
Bromochloromethane	ND	5.0		µg/L	5	11/17/2004
Bromodichloromethane	ND	5.0		µg/L	5	11/17/2004
Bromoform	ND	5.0		µg/L	5	11/17/2004
Bromomethane	ND	10		µg/L	5	11/17/2004
2-Butanone	ND	50		µg/L	5	11/17/2004
Carbon disulfide	ND	50		µg/L	5	11/17/2004
Carbon Tetrachloride	ND	5.0		µg/L	5	11/17/2004
Chlorobenzene	ND	5.0		µg/L	5	11/17/2004
Chloroethane	ND	10		µg/L	5	11/17/2004
Chloroform	ND	5.0		µg/L	5	11/17/2004
Chloromethane	ND	5.0		µg/L	5	11/17/2004
2-Chlorotoluene	ND	5.0		µg/L	5	11/17/2004
4-Chlorotoluene	ND	5.0		µg/L	5	11/17/2004
cis-1,2-DCE	59	5.0		µg/L	5	11/17/2004
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/17/2004
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/17/2004
Dibromochloromethane	ND	5.0		µg/L	5	11/17/2004
Dibromomethane	ND	10		µg/L	5	11/17/2004
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/17/2004
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/17/2004
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/17/2004
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/17/2004
1,1-Dichloroethane	92	5.0		µg/L	5	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Lab Order: 0411160
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-06

Client Sample ID: MW-8
Collection Date: 11/9/2004 5:05:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethene	ND	5.0		µg/L	5	11/17/2004
1,2-Dichloropropane	ND	5.0		µg/L	5	11/17/2004
1,3-Dichloropropane	ND	5.0		µg/L	5	11/17/2004
2,2-Dichloropropane	ND	5.0		µg/L	5	11/17/2004
1,1-Dichloropropene	ND	5.0		µg/L	5	11/17/2004
Hexachlorobutadiene	ND	5.0		µg/L	5	11/17/2004
2-Hexanone	ND	50		µg/L	5	11/17/2004
Isopropylbenzene	ND	5.0		µg/L	5	11/17/2004
4-Isopropyltoluene	ND	5.0		µg/L	5	11/17/2004
4-Methyl-2-pentanone	ND	50		µg/L	5	11/17/2004
Methylene Chloride	ND	15		µg/L	5	11/17/2004
n-Butylbenzene	ND	5.0		µg/L	5	11/17/2004
n-Propylbenzene	ND	5.0		µg/L	5	11/17/2004
sec-Butylbenzene	ND	5.0		µg/L	5	11/17/2004
Styrene	ND	5.0		µg/L	5	11/17/2004
tert-Butylbenzene	ND	5.0		µg/L	5	11/17/2004
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/17/2004
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	5	11/17/2004
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/17/2004
trans-1,2-DCE	ND	5.0		µg/L	5	11/17/2004
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/17/2004
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/17/2004
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/17/2004
1,1,1-Trichloroethane	ND	5.0		µg/L	5	11/17/2004
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/17/2004
Trichloroethene (TCE)	54	5.0		µg/L	5	11/17/2004
Trichlorofluoromethane	ND	5.0		µg/L	5	11/17/2004
1,2,3-Trichloropropane	ND	10		µg/L	5	11/17/2004
Vinyl chloride	ND	5.0		µg/L	5	11/17/2004
Xylenes, Total	ND	5.0		µg/L	5	11/17/2004
Surr: 1,2-Dichloroethane-d4	99.6	70.6-124		%REC	5	11/17/2004
Surr: 4-Bromofluorobenzene	95.4	76.4-130		%REC	5	11/17/2004
Surr: Dibromofluoromethane	91.5	67.2-131		%REC	5	11/17/2004
Surr: Toluene-d8	105	82.1-123		%REC	5	11/17/2004
EPA 6010C: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	11/15/2004 3:14:42 PM
Barium	0.069	0.020		mg/L	1	11/15/2004 3:14:42 PM
Iron	0.15	0.020		mg/L	1	11/15/2004 3:14:42 PM
Manganese	0.97	0.0020		mg/L	1	11/15/2004 3:14:42 PM
EPA METHOD 160.1: TDS						Analyst: **MAP**
Total Dissolved Solids	1800	50		mg/L	1	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-5
Lab Order: 0411160
Collection Date: 11/10/2004 11:00:00 AM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-07
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MAP
Chloride	210	1.0		mg/L	10	11/18/2004 12:10:07 AM
Sulfate	1.6	0.50		mg/L	1	11/17/2004 10:46:03 PM
Nitrate (As N)+Nitrite (As N)	ND	0.50		mg/L	5	11/17/2004 12:46:19 AM
EPA METHOD 8260B: VOLATILES						Analyst: KTM
Benzene	19	5.0		µg/L	5	11/17/2004
Toluene	8.3	5.0		µg/L	5	11/17/2004
Ethylbenzene	ND	5.0		µg/L	5	11/17/2004
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	11/17/2004
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	11/17/2004
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	11/17/2004
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	11/17/2004
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/17/2004
Naphthalene	ND	10		µg/L	5	11/17/2004
1-Methylnaphthalene	ND	20		µg/L	5	11/17/2004
2-Methylnaphthalene	ND	20		µg/L	5	11/17/2004
Acetone	ND	50		µg/L	5	11/17/2004
Bromobenzene	ND	5.0		µg/L	5	11/17/2004
Bromochloromethane	ND	5.0		µg/L	5	11/17/2004
Bromodichloromethane	ND	5.0		µg/L	5	11/17/2004
Bromoform	ND	5.0		µg/L	5	11/17/2004
Bromomethane	ND	10		µg/L	5	11/17/2004
2-Butanone	ND	50		µg/L	5	11/17/2004
Carbon disulfide	ND	50		µg/L	5	11/17/2004
Carbon Tetrachloride	ND	5.0		µg/L	5	11/17/2004
Chlorobenzene	ND	5.0		µg/L	5	11/17/2004
Chloroethane	12	10		µg/L	5	11/17/2004
Chloroform	ND	5.0		µg/L	5	11/17/2004
Chloromethane	ND	5.0		µg/L	5	11/17/2004
2-Chlorotoluene	ND	5.0		µg/L	5	11/17/2004
4-Chlorotoluene	ND	5.0		µg/L	5	11/17/2004
cis-1,2-DCE	150	5.0		µg/L	5	11/17/2004
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/17/2004
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/17/2004
Dibromochloromethane	ND	5.0		µg/L	5	11/17/2004
Dibromomethane	ND	10		µg/L	5	11/17/2004
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/17/2004
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/17/2004
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/17/2004
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/17/2004
1,1-Dichloroethane	160	5.0		µg/L	5	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-5
Lab Order: 0411160
Collection Date: 11/10/2004 11:00:00 AM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-07
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethene	ND	5.0		µg/L	5	11/17/2004
1,2-Dichloropropane	ND	5.0		µg/L	5	11/17/2004
1,3-Dichloropropane	ND	5.0		µg/L	5	11/17/2004
2,2-Dichloropropane	ND	5.0		µg/L	5	11/17/2004
1,1-Dichloropropene	ND	5.0		µg/L	5	11/17/2004
Hexachlorobutadiene	ND	5.0		µg/L	5	11/17/2004
2-Hexanone	ND	50		µg/L	5	11/17/2004
Isopropylbenzene	ND	5.0		µg/L	5	11/17/2004
4-Isopropyltoluene	ND	5.0		µg/L	5	11/17/2004
4-Methyl-2-pentanone	ND	50		µg/L	5	11/17/2004
Methylene Chloride	ND	15		µg/L	5	11/17/2004
n-Butylbenzene	ND	5.0		µg/L	5	11/17/2004
n-Propylbenzene	ND	5.0		µg/L	5	11/17/2004
sec-Butylbenzene	ND	5.0		µg/L	5	11/17/2004
Styrene	ND	5.0		µg/L	5	11/17/2004
tert-Butylbenzene	ND	5.0		µg/L	5	11/17/2004
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/17/2004
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	5	11/17/2004
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/17/2004
trans-1,2-DCE	ND	5.0		µg/L	5	11/17/2004
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/17/2004
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/17/2004
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/17/2004
1,1,1-Trichloroethane	ND	5.0		µg/L	5	11/17/2004
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/17/2004
Trichloroethene (TCE)	130	5.0		µg/L	5	11/17/2004
Trichlorofluoromethane	ND	5.0		µg/L	5	11/17/2004
1,2,3-Trichloropropane	ND	10		µg/L	5	11/17/2004
Vinyl chloride	ND	5.0		µg/L	5	11/17/2004
Xylenes, Total	ND	5.0		µg/L	5	11/17/2004
Surr: 1,2-Dichloroethane-d4	96.6	70.6-124		%REC	5	11/17/2004
Surr: 4-Bromofluorobenzene	93.6	76.4-130		%REC	5	11/17/2004
Surr: Dibromofluoromethane	89.9	67.2-131		%REC	5	11/17/2004
Surr: Toluene-d8	102	82.1-123		%REC	5	11/17/2004
EPA 6010C: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	11/15/2004 3:18:16 PM
Barium	13	2.0		mg/L	100	11/15/2004 4:26:23 PM
Iron	4.9	0.020		mg/L	1	11/15/2004 3:18:16 PM
Manganese	0.049	0.0020		mg/L	1	11/15/2004 3:18:16 PM
EPA METHOD 160.1: TDS						Analyst: **MAP**
Total Dissolved Solids	1500	50		mg/L	1	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-17
Lab Order: 0411160
Collection Date: 11/10/2004 10:25:00 AM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-08
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MAP**
Chloride	570	2.5		mg/L	25	11/19/2004 4:59:22 PM
Sulfate	680	13		mg/L	25	11/19/2004 4:59:22 PM
Nitrate (As N)+Nitrite (As N)	8.5	0.50		mg/L	5	11/17/2004 2:10:19 AM
EPA METHOD 8260B: VOLATILES						Analyst: **KTM**
Benzene	ND	1.0		µg/L	1	11/17/2004
Toluene	ND	1.0		µg/L	1	11/17/2004
Ethylbenzene	ND	1.0		µg/L	1	11/17/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/17/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/17/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/17/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/17/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/17/2004
Naphthalene	ND	2.0		µg/L	1	11/17/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	11/17/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	11/17/2004
Acetone	ND	10		µg/L	1	11/17/2004
Bromobenzene	ND	1.0		µg/L	1	11/17/2004
Bromochloromethane	ND	1.0		µg/L	1	11/17/2004
Bromodichloromethane	ND	1.0		µg/L	1	11/17/2004
Bromoform	ND	1.0		µg/L	1	11/17/2004
Bromomethane	ND	2.0		µg/L	1	11/17/2004
2-Butanone	ND	10		µg/L	1	11/17/2004
Carbon disulfide	ND	10		µg/L	1	11/17/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	11/17/2004
Chlorobenzene	ND	1.0		µg/L	1	11/17/2004
Chloroethane	ND	2.0		µg/L	1	11/17/2004
Chloroform	1.6	1.0		µg/L	1	11/17/2004
Chloromethane	ND	1.0		µg/L	1	11/17/2004
2-Chlorotoluene	ND	1.0		µg/L	1	11/17/2004
4-Chlorotoluene	ND	1.0		µg/L	1	11/17/2004
cis-1,2-DCE	ND	1.0		µg/L	1	11/17/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/17/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/17/2004
Dibromochloromethane	ND	1.0		µg/L	1	11/17/2004
Dibromomethane	ND	2.0		µg/L	1	11/17/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/17/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/17/2004
1,1-Dichloroethane	1.9	1.0		µg/L	1	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-17
Lab Order: 0411160
Collection Date: 11/10/2004 10:25:00 AM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-08
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethene	2.6	1.0		µg/L	1	11/17/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	11/17/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	11/17/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	11/17/2004
1,1-Dichloropropene	ND	1.0		µg/L	1	11/17/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	11/17/2004
2-Hexanone	ND	10		µg/L	1	11/17/2004
Isopropylbenzene	ND	1.0		µg/L	1	11/17/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	11/17/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	11/17/2004
Methylene Chloride	ND	3.0		µg/L	1	11/17/2004
n-Butylbenzene	ND	1.0		µg/L	1	11/17/2004
n-Propylbenzene	ND	1.0		µg/L	1	11/17/2004
sec-Butylbenzene	ND	1.0		µg/L	1	11/17/2004
Styrene	ND	1.0		µg/L	1	11/17/2004
tert-Butylbenzene	ND	1.0		µg/L	1	11/17/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/17/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	11/17/2004
Tetrachloroethene (PCE)	1.7	1.0		µg/L	1	11/17/2004
trans-1,2-DCE	ND	1.0		µg/L	1	11/17/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/17/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/17/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/17/2004
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/17/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	11/17/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/17/2004
Vinyl chloride	ND	1.0		µg/L	1	11/17/2004
Xylenes, Total	ND	1.0		µg/L	1	11/17/2004
Surr: 1,2-Dichloroethane-d4	98.5	70.6-124		%REC	1	11/17/2004
Surr: 4-Bromofluorobenzene	95.7	76.4-130		%REC	1	11/17/2004
Surr: Dibromofluoromethane	91.2	67.2-131		%REC	1	11/17/2004
Surr: Toluene-d8	107	82.1-123		%REC	1	11/17/2004
EPA METHOD 6010C: DISSOLVED METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	11/16/2004 2:27:03 PM
Barium	0.056	0.0020		mg/L	1	11/16/2004 2:27:03 PM
Iron	0.021	0.020		mg/L	1	11/16/2004 2:27:03 PM
Manganese	0.019	0.0020		mg/L	1	11/16/2004 2:27:03 PM
EPA METHOD 160.1: TDS						Analyst: **MAP**
Total Dissolved Solids	2500	500		mg/L	10	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Lab Order: 0411160
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-09

Client Sample ID: MW-14
Collection Date: 11/10/2004 10:15:00 AM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MAP
Chloride	560	2.5		mg/L	25	11/19/2004 5:16:11 PM
Sulfate	590	13		mg/L	25	11/19/2004 5:16:11 PM
Nitrate (As N)+Nitrite (As N)	0.95	0.50		mg/L	5	11/17/2004 2:27:02 AM
EPA METHOD 8260B: VOLATILES						Analyst: KTM
Benzene	ND	1.0		µg/L	1	11/17/2004
Toluene	ND	1.0		µg/L	1	11/17/2004
Ethylbenzene	ND	1.0		µg/L	1	11/17/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/17/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/17/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/17/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/17/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/17/2004
Naphthalene	ND	2.0		µg/L	1	11/17/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	11/17/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	11/17/2004
Acetone	ND	10		µg/L	1	11/17/2004
Bromobenzene	ND	1.0		µg/L	1	11/17/2004
Bromochloromethane	ND	1.0		µg/L	1	11/17/2004
Bromodichloromethane	ND	1.0		µg/L	1	11/17/2004
Bromoform	ND	1.0		µg/L	1	11/17/2004
Bromomethane	ND	2.0		µg/L	1	11/17/2004
2-Butanone	ND	10		µg/L	1	11/17/2004
Carbon disulfide	ND	10		µg/L	1	11/17/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	11/17/2004
Chlorobenzene	ND	1.0		µg/L	1	11/17/2004
Chloroethane	ND	2.0		µg/L	1	11/17/2004
Chloroform	ND	1.0		µg/L	1	11/17/2004
Chloromethane	ND	1.0		µg/L	1	11/17/2004
2-Chlorotoluene	ND	1.0		µg/L	1	11/17/2004
4-Chlorotoluene	ND	1.0		µg/L	1	11/17/2004
cis-1,2-DCE	5.0	1.0		µg/L	1	11/17/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/17/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/17/2004
Dibromochloromethane	ND	1.0		µg/L	1	11/17/2004
Dibromomethane	ND	2.0		µg/L	1	11/17/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/17/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/17/2004
1,1-Dichloroethane	24	1.0		µg/L	1	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-14
Lab Order: 0411160
Collection Date: 11/10/2004 10:15:00 AM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-09
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethene	ND	1.0		µg/L	1	11/17/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	11/17/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	11/17/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	11/17/2004
1,1-Dichloropropene	ND	1.0		µg/L	1	11/17/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	11/17/2004
2-Hexanone	ND	10		µg/L	1	11/17/2004
Isopropylbenzene	ND	1.0		µg/L	1	11/17/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	11/17/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	11/17/2004
Methylene Chloride	ND	3.0		µg/L	1	11/17/2004
n-Butylbenzene	ND	1.0		µg/L	1	11/17/2004
n-Propylbenzene	ND	1.0		µg/L	1	11/17/2004
sec-Butylbenzene	ND	1.0		µg/L	1	11/17/2004
Styrene	ND	1.0		µg/L	1	11/17/2004
tert-Butylbenzene	ND	1.0		µg/L	1	11/17/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/17/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	11/17/2004
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/17/2004
trans-1,2-DCE	ND	1.0		µg/L	1	11/17/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/17/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/17/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/17/2004
Trichloroethene (TCE)	10	1.0		µg/L	1	11/17/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	11/17/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/17/2004
Vinyl chloride	ND	1.0		µg/L	1	11/17/2004
Xylenes, Total	ND	1.0		µg/L	1	11/17/2004
Surr: 1,2-Dichloroethane-d4	99.3	70.6-124		%REC	1	11/17/2004
Surr: 4-Bromofluorobenzene	92.3	76.4-130		%REC	1	11/17/2004
Surr: Dibromofluoromethane	93.8	67.2-131		%REC	1	11/17/2004
Surr: Toluene-d8	103	82.1-123		%REC	1	11/17/2004
EPA 6010C: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	11/15/2004 3:21:33 PM
Barium	0.025	0.020		mg/L	1	11/15/2004 3:21:33 PM
Iron	ND	0.020		mg/L	1	11/15/2004 3:21:33 PM
Manganese	0.44	0.0020		mg/L	1	11/15/2004 3:21:33 PM
EPA METHOD 160.1: TDS						Analyst: **MAP**
Total Dissolved Solids	2300	50		mg/L	1	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Lab Order: 0411160
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-10

Client Sample ID: SVE-1A
Collection Date: 11/10/2004 10:55:00 AM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MAP**
Chloride	260	1.0		mg/L	10	11/18/2004 1:00:33 AM
Sulfate	0.59	0.50		mg/L	1	11/16/2004 9:08:09 PM
Nitrate (As N)+Nitrite (As N)	ND	0.50		mg/L	5	11/17/2004 2:43:46 AM
EPA METHOD 8260B: VOLATILES						Analyst: **KTM**
Benzene	91	5.0		µg/L	5	11/17/2004
Toluene	99	5.0		µg/L	5	11/17/2004
Ethylbenzene	32	5.0		µg/L	5	11/17/2004
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	11/17/2004
1,2,4-Trimethylbenzene	94	5.0		µg/L	5	11/17/2004
1,3,5-Trimethylbenzene	44	5.0		µg/L	5	11/17/2004
1,2-Dichloroethane (EDC)	6.3	5.0		µg/L	5	11/17/2004
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/17/2004
Naphthalene	26	10		µg/L	5	11/17/2004
1-Methylnaphthalene	ND	20		µg/L	5	11/17/2004
2-Methylnaphthalene	21	20		µg/L	5	11/17/2004
Acetone	ND	50		µg/L	5	11/17/2004
Bromobenzene	ND	5.0		µg/L	5	11/17/2004
Bromochloromethane	ND	5.0		µg/L	5	11/17/2004
Bromodichloromethane	ND	5.0		µg/L	5	11/17/2004
Bromoform	ND	5.0		µg/L	5	11/17/2004
Bromomethane	ND	10		µg/L	5	11/17/2004
2-Butanone	ND	50		µg/L	5	11/17/2004
Carbon disulfide	ND	50		µg/L	5	11/17/2004
Carbon Tetrachloride	ND	5.0		µg/L	5	11/17/2004
Chlorobenzene	ND	5.0		µg/L	5	11/17/2004
Chloroethane	18	10		µg/L	5	11/17/2004
Chloroform	ND	5.0		µg/L	5	11/17/2004
Chloromethane	ND	5.0		µg/L	5	11/17/2004
2-Chlorotoluene	ND	5.0		µg/L	5	11/17/2004
4-Chlorotoluene	ND	5.0		µg/L	5	11/17/2004
cis-1,2-DCE	310	5.0		µg/L	5	11/17/2004
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/17/2004
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/17/2004
Dibromochloromethane	ND	5.0		µg/L	5	11/17/2004
Dibromomethane	ND	10		µg/L	5	11/17/2004
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/17/2004
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/17/2004
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/17/2004
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/17/2004
1,1-Dichloroethane	680	10		µg/L	10	11/17/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: SVE-1A
Lab Order: 0411160
Collection Date: 11/10/2004 10:55:00 AM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-10
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethene	19	5.0		µg/L	5	11/17/2004
1,2-Dichloropropane	ND	5.0		µg/L	5	11/17/2004
1,3-Dichloropropane	ND	5.0		µg/L	5	11/17/2004
2,2-Dichloropropane	ND	5.0		µg/L	5	11/17/2004
1,1-Dichloropropene	ND	5.0		µg/L	5	11/17/2004
Hexachlorobutadiene	ND	5.0		µg/L	5	11/17/2004
2-Hexanone	ND	50		µg/L	5	11/17/2004
Isopropylbenzene	7.7	5.0		µg/L	5	11/17/2004
4-Isopropyltoluene	ND	5.0		µg/L	5	11/17/2004
4-Methyl-2-pentanone	1500	50		µg/L	5	11/17/2004
Methylene Chloride	ND	15		µg/L	5	11/17/2004
n-Butylbenzene	ND	5.0		µg/L	5	11/17/2004
n-Propylbenzene	8.1	5.0		µg/L	5	11/17/2004
sec-Butylbenzene	ND	5.0		µg/L	5	11/17/2004
Styrene	ND	5.0		µg/L	5	11/17/2004
tert-Butylbenzene	ND	5.0		µg/L	5	11/17/2004
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/17/2004
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	5	11/17/2004
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/17/2004
trans-1,2-DCE	ND	5.0		µg/L	5	11/17/2004
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/17/2004
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/17/2004
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/17/2004
1,1,1-Trichloroethane	41	5.0		µg/L	5	11/17/2004
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/17/2004
Trichloroethene (TCE)	140	5.0		µg/L	5	11/17/2004
Trichlorofluoromethane	ND	5.0		µg/L	5	11/17/2004
1,2,3-Trichloropropane	ND	10		µg/L	5	11/17/2004
Vinyl chloride	ND	5.0		µg/L	5	11/17/2004
Xylenes, Total	190	5.0		µg/L	5	11/17/2004
Surr: 1,2-Dichloroethane-d4	98.2	70.6-124		%REC	5	11/17/2004
Surr: 4-Bromofluorobenzene	101	76.4-130		%REC	5	11/17/2004
Surr: Dibromofluoromethane	90.8	67.2-131		%REC	5	11/17/2004
Surr: Toluene-d8	104	82.1-123		%REC	5	11/17/2004
EPA 6010C: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	0.12	0.020		mg/L	1	11/15/2004 3:25:06 PM
Barium	23	2.0		mg/L	100	11/15/2004 4:36:39 PM
Iron	6.8	0.020		mg/L	1	11/15/2004 3:25:06 PM
Manganese	0.015	0.0020		mg/L	1	11/15/2004 3:25:06 PM
EPA METHOD 160.1: TDS						Analyst: **MAP**
Total Dissolved Solids	1700	50		mg/L	1	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-7
Lab Order: 0411160
Collection Date: 11/10/2004 9:45:00 AM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-11
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MAP
Chloride	340	2.0		mg/L	20	11/18/2004 1:17:22 AM
Sulfate	610	10		mg/L	20	11/18/2004 1:17:22 AM
Nitrate (As N)+Nitrite (As N)	6.1	0.50		mg/L	5	11/17/2004 3:00:29 AM
EPA METHOD 8260B: VOLATILES						Analyst: KTM
Benzene	ND	1.0		µg/L	1	11/17/2004
Toluene	ND	1.0		µg/L	1	11/17/2004
Ethylbenzene	ND	1.0		µg/L	1	11/17/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/17/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/17/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/17/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/17/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/17/2004
Naphthalene	ND	2.0		µg/L	1	11/17/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	11/17/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	11/17/2004
Acetone	ND	10		µg/L	1	11/17/2004
Bromobenzene	ND	1.0		µg/L	1	11/17/2004
Bromochloromethane	ND	1.0		µg/L	1	11/17/2004
Bromodichloromethane	ND	1.0		µg/L	1	11/17/2004
Bromoform	ND	1.0		µg/L	1	11/17/2004
Bromomethane	ND	2.0		µg/L	1	11/17/2004
2-Butanone	ND	10		µg/L	1	11/17/2004
Carbon disulfide	ND	10		µg/L	1	11/17/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	11/17/2004
Chlorobenzene	ND	1.0		µg/L	1	11/17/2004
Chloroethane	ND	2.0		µg/L	1	11/17/2004
Chloroform	ND	1.0		µg/L	1	11/17/2004
Chloromethane	ND	1.0		µg/L	1	11/17/2004
2-Chlorotoluene	ND	1.0		µg/L	1	11/17/2004
4-Chlorotoluene	ND	1.0		µg/L	1	11/17/2004
cis-1,2-DCE	31	1.0		µg/L	1	11/17/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/17/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/17/2004
Dibromochloromethane	ND	1.0		µg/L	1	11/17/2004
Dibromomethane	ND	2.0		µg/L	1	11/17/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/17/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/17/2004
1,1-Dichloroethane	28	1.0		µg/L	1	11/17/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: MW-7
Lab Order: 0411160
Collection Date: 11/10/2004 9:45:00 AM
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-11
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethene	ND	1.0		µg/L	1	11/17/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	11/17/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	11/17/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	11/17/2004
1,1-Dichloropropene	ND	1.0		µg/L	1	11/17/2004
Hexachlorobutadiene	ND	1.0		µg/L	1	11/17/2004
2-Hexanone	ND	10		µg/L	1	11/17/2004
Isopropylbenzene	ND	1.0		µg/L	1	11/17/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	11/17/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	11/17/2004
Methylene Chloride	ND	3.0		µg/L	1	11/17/2004
n-Butylbenzene	ND	1.0		µg/L	1	11/17/2004
n-Propylbenzene	ND	1.0		µg/L	1	11/17/2004
sec-Butylbenzene	ND	1.0		µg/L	1	11/17/2004
Styrene	ND	1.0		µg/L	1	11/17/2004
tert-Butylbenzene	ND	1.0		µg/L	1	11/17/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/17/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	11/17/2004
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/17/2004
trans-1,2-DCE	ND	1.0		µg/L	1	11/17/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/17/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/17/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/17/2004
Trichloroethene (TCE)	12	1.0		µg/L	1	11/17/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	11/17/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/17/2004
Vinyl chloride	ND	1.0		µg/L	1	11/17/2004
Xylenes, Total	ND	1.0		µg/L	1	11/17/2004
Surr: 1,2-Dichloroethane-d4	98.1	70.6-124		%REC	1	11/17/2004
Surr: 4-Bromofluorobenzene	96.3	76.4-130		%REC	1	11/17/2004
Surr: Dibromofluoromethane	91.6	67.2-131		%REC	1	11/17/2004
Surr: Toluene-d8	106	82.1-123		%REC	1	11/17/2004
EPA 6010C: TOTAL RECOVERABLE METALS						Analyst: NMO
Arsenic	ND	0.020		mg/L	1	11/15/2004 3:28:24 PM
Barium	0.023	0.020		mg/L	1	11/15/2004 3:28:24 PM
Iron	0.12	0.020		mg/L	1	11/15/2004 3:28:24 PM
Manganese	0.078	0.0020		mg/L	1	11/15/2004 3:28:24 PM
EPA METHOD 160.1: TDS						Analyst: MAP
Total Dissolved Solids	2000	50		mg/L	1	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: TRIP BLANK
Lab Order: 0411160
Collection Date:
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-12
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: KTM
Benzene	ND	1.0		µg/L	1	11/17/2004
Toluene	ND	1.0		µg/L	1	11/17/2004
Ethylbenzene	ND	1.0		µg/L	1	11/17/2004
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/17/2004
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/17/2004
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/17/2004
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/17/2004
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/17/2004
Naphthalene	ND	2.0		µg/L	1	11/17/2004
1-Methylnaphthalene	ND	4.0		µg/L	1	11/17/2004
2-Methylnaphthalene	ND	4.0		µg/L	1	11/17/2004
Acetone	ND	10		µg/L	1	11/17/2004
Bromobenzene	ND	1.0		µg/L	1	11/17/2004
Bromochloromethane	ND	1.0		µg/L	1	11/17/2004
Bromodichloromethane	ND	1.0		µg/L	1	11/17/2004
Bromoform	ND	1.0		µg/L	1	11/17/2004
Bromomethane	ND	2.0		µg/L	1	11/17/2004
2-Butanone	ND	10		µg/L	1	11/17/2004
Carbon disulfide	ND	10		µg/L	1	11/17/2004
Carbon Tetrachloride	ND	1.0		µg/L	1	11/17/2004
Chlorobenzene	ND	1.0		µg/L	1	11/17/2004
Chloroethane	ND	2.0		µg/L	1	11/17/2004
Chloroform	ND	1.0		µg/L	1	11/17/2004
Chloromethane	ND	1.0		µg/L	1	11/17/2004
2-Chlorotoluene	ND	1.0		µg/L	1	11/17/2004
4-Chlorotoluene	ND	1.0		µg/L	1	11/17/2004
cis-1,2-DCE	ND	1.0		µg/L	1	11/17/2004
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/17/2004
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/17/2004
Dibromochloromethane	ND	1.0		µg/L	1	11/17/2004
Dibromomethane	ND	2.0		µg/L	1	11/17/2004
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/17/2004
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/17/2004
1,1-Dichloroethane	ND	1.0		µg/L	1	11/17/2004
1,1-Dichloroethene	ND	1.0		µg/L	1	11/17/2004
1,2-Dichloropropane	ND	1.0		µg/L	1	11/17/2004
1,3-Dichloropropane	ND	1.0		µg/L	1	11/17/2004
2,2-Dichloropropane	ND	1.0		µg/L	1	11/17/2004
1,1-Dichloropropene	ND	1.0		µg/L	1	11/17/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Client Sample ID: TRIP BLANK
Lab Order: 0411160
Collection Date:
Project: TWP WT-1 Engine Room Pit Area
Lab ID: 0411160-12
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Hexachlorobutadiene	ND	1.0		µg/L	1	11/17/2004
2-Hexanone	ND	10		µg/L	1	11/17/2004
Isopropylbenzene	ND	1.0		µg/L	1	11/17/2004
4-Isopropyltoluene	ND	1.0		µg/L	1	11/17/2004
4-Methyl-2-pentanone	ND	10		µg/L	1	11/17/2004
Methylene Chloride	ND	3.0		µg/L	1	11/17/2004
n-Butylbenzene	ND	1.0		µg/L	1	11/17/2004
n-Propylbenzene	ND	1.0		µg/L	1	11/17/2004
sec-Butylbenzene	ND	1.0		µg/L	1	11/17/2004
Styrene	ND	1.0		µg/L	1	11/17/2004
tert-Butylbenzene	ND	1.0		µg/L	1	11/17/2004
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/17/2004
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	11/17/2004
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/17/2004
trans-1,2-DCE	ND	1.0		µg/L	1	11/17/2004
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/17/2004
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/17/2004
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/17/2004
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/17/2004
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/17/2004
Trichlorofluoromethane	ND	1.0		µg/L	1	11/17/2004
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/17/2004
Vinyl chloride	ND	1.0		µg/L	1	11/17/2004
Xylenes, Total	ND	1.0		µg/L	1	11/17/2004
Surr: 1,2-Dichloroethane-d4	98.8	70.6-124		%REC	1	11/17/2004
Surr: 4-Bromofluorobenzene	94.7	76.4-130		%REC	1	11/17/2004
Surr: Dibromofluoromethane	91.1	67.2-131		%REC	1	11/17/2004
Surr: Toluene-d8	107	82.1-123		%REC	1	11/17/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Work Order: 0411160
Project: TWP WT-1 Engine Room Pit Area

QC SUMMARY REPORT
Method Blank

Sample ID MBLK	Batch ID: R13812	Test Code: E300	Units: mg/L	Analysis Date 11/16/2004 10:47:17 A	Prep Date
Client ID:		Run ID: LC_041116A		SeqNo: 321179	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	0.1									
Sulfate	ND	0.5									
Nitrate (As N)+Nitrite (As N)	ND	0.1									

Sample ID MBLK	Batch ID: R13812	Test Code: E300	Units: mg/L	Analysis Date 11/16/2004 6:03:50 PM	Prep Date
Client ID:		Run ID: LC_041116A		SeqNo: 321205	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	0.1									
Sulfate	ND	0.5									
Nitrate (As N)+Nitrite (As N)	ND	0.1									

Sample ID MBLK	Batch ID: R13812	Test Code: E300	Units: mg/L	Analysis Date 11/17/2004 1:36:41 AM	Prep Date
Client ID:		Run ID: LC_041116A		SeqNo: 321232	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	0.1									
Sulfate	ND	0.5									
Nitrate (As N)+Nitrite (As N)	ND	0.1									

Sample ID MBLK	Batch ID: R13826	Test Code: E300	Units: mg/L	Analysis Date 11/17/2004 4:53:03 PM	Prep Date
Client ID:		Run ID: LC_041117A		SeqNo: 321475	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	0.1									
Sulfate	ND	0.5									
Nitrate (As N)+Nitrite (As N)	ND	0.1									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Cypress Engineering
Work Order: 0411160
Project: TWP WT-1 Engine Room Pit Area

QC SUMMARY REPORT
Method Blank

Sample ID **MBLK** Batch ID: **R13826** Test Code: **E300** Units: **mg/L** Analysis Date **11/17/2004 11:36:30 P** Prep Date
Client ID: Run ID: **LC_041117A** SeqNo: **321499**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	0.1									
Sulfate	ND	0.5									
Nitrate (As N)+Nitrite (As N)	ND	0.1									

Sample ID **MBLK** Batch ID: **R13836** Test Code: **E300** Units: **mg/L** Analysis Date **11/18/2004 2:45:18 PM** Prep Date
Client ID: Run ID: **LC_041118A** SeqNo: **321735**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	0.1									
Sulfate	ND	0.5									
Nitrate (As N)+Nitrite (As N)	ND	0.1									

Sample ID **MBLK** Batch ID: **R13836** Test Code: **E300** Units: **mg/L** Analysis Date **11/18/2004 9:28:34 PM** Prep Date
Client ID: Run ID: **LC_041118A** SeqNo: **321759**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	0.1									
Sulfate	ND	0.5									
Nitrate (As N)+Nitrite (As N)	ND	0.1									

Sample ID **MBLK** Batch ID: **R13849** Test Code: **E300** Units: **mg/L** Analysis Date **11/19/2004 2:11:18 PM** Prep Date
Client ID: Run ID: **LC_041119A** SeqNo: **321990**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	0.1									
Sulfate	ND	0.5									
Nitrate (As N)+Nitrite (As N)	ND	0.1									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Cypress Engineering
Work Order: 0411160
Project: TWP WT-1 Engine Room Pit Area

QC SUMMARY REPORT
Method Blank

Sample ID **MB** Batch ID: **R13803** Test Code: **SW6010A** Units: **mg/L** Analysis Date **11/16/2004 11:26:44 A** Prep Date
Client ID: Run ID: **ICP_041116B** SeqNo: **320758**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.02									
Barium	ND	0.002									
Iron	ND	0.02									
Manganese	0.000152	0.002									J

Sample ID **MB** Batch ID: **R13803** Test Code: **SW6010A** Units: **mg/L** Analysis Date **11/16/2004 1:53:57 PM** Prep Date
Client ID: Run ID: **ICP_041116B** SeqNo: **320799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.02									
Barium	0.0002371	0.002									J
Iron	ND	0.02									
Manganese	0.0001535	0.002									J

Sample ID **MB-6873** Batch ID: **6873** Test Code: **SW6010A** Units: **mg/L** Analysis Date **11/15/2004 2:37:35 PM** Prep Date **11/13/2004**
Client ID: Run ID: **ICP_041115C** SeqNo: **320565**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.02									
Barium	ND	0.02									
Iron	ND	0.05									
Manganese	ND	0.002									

Sample ID **MB-6879** Batch ID: **6879** Test Code: **E160.1** Units: **mg/L** Analysis Date **11/17/2004** Prep Date **11/15/2004**
Client ID: Run ID: **WC_041117C** SeqNo: **321357**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Cypress Engineering
Work Order: 0411160
Project: TWP WT-1 Engine Room Pit Area

QC SUMMARY REPORT
Method Blank

Sample ID 5mL rb | Batch ID: R13809 | Test Code: SW8260B | Units: µg/L | Analysis Date 11/16/2004 | Prep Date
Client ID: | Run ID: NEPTUNE_041116A | SeqNo: 321065

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1									
Toluene	ND	1									
Ethylbenzene	ND	1									
Methyl tert-butyl ether (MTBE)	ND	1									
1,2,4-Trimethylbenzene	ND	1									
1,3,5-Trimethylbenzene	ND	1									
1,2-Dichloroethane (EDC)	ND	1									
1,2-Dibromoethane (EDB)	ND	1									
Naphthalene	ND	2									
1-Methylnaphthalene	ND	4									
2-Methylnaphthalene	ND	4									
Acetone	ND	10									
Bromobenzene	ND	1									
Bromochloromethane	ND	1									
Bromodichloromethane	ND	1									
Bromoform	ND	1									
Bromomethane	ND	2									
2-Butanone	ND	10									
Carbon disulfide	ND	10									
Carbon Tetrachloride	ND	1									
Chlorobenzene	ND	1									
Chloroethane	ND	2									
Chloroform	ND	1									
Chloromethane	ND	1									
2-Chlorotoluene	ND	1									
4-Chlorotoluene	ND	1									
cis-1,2-DCE	ND	1									

Qualifiers: ND - Not Detected at the Reporting Limit | S - Spike Recovery outside accepted recovery limits | B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits

CLIENT: Cypress Engineering
Work Order: 0411160
Project: TWP WT-1 Engine Room Pit Area

QC SUMMARY REPORT
Method Blank

cis-1,3-Dichloropropene	ND	1
1,2-Dibromo-3-chloropropane	ND	2
Dibromochloromethane	ND	1
Dibromomethane	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Dichlorodifluoromethane	ND	1
1,1-Dichloroethane	ND	1
1,1-Dichloroethene	ND	1
1,2-Dichloropropane	ND	1
1,3-Dichloropropane	ND	1
2,2-Dichloropropane	ND	1
1,1-Dichloropropene	ND	1
Hexachlorobutadiene	ND	1
2-Hexanone	ND	10
Isopropylbenzene	ND	1
4-Isopropyltoluene	ND	1
4-Methyl-2-pentanone	ND	10
Methylene Chloride	ND	3
n-Butylbenzene	ND	1
n-Propylbenzene	ND	1
sec-Butylbenzene	ND	1
Styrene	ND	1
tert-Butylbenzene	ND	1
1,1,1,2-Tetrachloroethane	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Tetrachloroethene (PCE)	ND	1
trans-1,2-DCE	ND	1
trans-1,3-Dichloropropene	ND	1
1,2,3-Trichlorobenzene	ND	1
1,2,4-Trichlorobenzene	ND	1
1,1,1-Trichloroethane	ND	1

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Cypress Engineering
Work Order: 0411160
Project: TWP WT-1 Engine Room Pit Area

QC SUMMARY REPORT
Method Blank

1,1,2-Trichloroethane	ND	1						
Trichloroethene (TCE)	ND	1						
Trichlorofluoromethane	ND	1						
1,2,3-Trichloropropane	ND	2						
Vinyl chloride	ND	1						
Xylenes, Total	ND	1						
Surr: 1,2-Dichloroethane-d4	9.75	0	10	0	97.5	68.4	127	0
Surr: 4-Bromofluorobenzene	9.55	0	10	0	95.5	70.4	126	0
Surr: Dibromofluoromethane	9.04	0	10	0	90.4	70.2	126	0
Surr: Toluene-d8	10.35	0	10	0	103	73.5	129	0

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Work Order: 0411160
Project: TWP WT-1 Engine Room Pit Area

QC SUMMARY REPORT

Sample Duplicate

Sample ID 0411160-01B DUP	Batch ID: R13812	Test Code: E300	Units: mg/L	Analysis Date 11/16/2004 10:32:09 P	Prep Date
Client ID: MW-4		Run ID: LC_041116A		SeqNo: 321221	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (As N)+Nitrite (As N)	6.652	0.5	0	0	0	0	0	6.686	0.514	20	

Sample ID 0411160-01C DUP	Batch ID: 6873	Test Code: SW6010A	Units: mg/L	Analysis Date 11/15/2004 4:12:57 PM	Prep Date 11/13/2004
Client ID: MW-4		Run ID: ICP_041115C		SeqNo: 320592	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.02	0	0	0	0	0	0	0	30	
Barium	0.02238	0.02	0	0	0	0	0	0.02206	1.42	30	
Iron	ND	0.05	0	0	0	0	0	0	0	30	
Manganese	0.1823	0.002	0	0	0	0	0	0.1844	1.16	30	

Sample ID 0411160-11B dup	Batch ID: 6879	Test Code: E160.1	Units: mg/L	Analysis Date 11/17/2004	Prep Date 11/15/2004
Client ID: MW-7		Run ID: WC_041117C		SeqNo: 321370	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	2003	50	0	0	0	0	0	1959	2.22	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

1

CLIENT: Cypress Engineering
Work Order: 0411160
Project: TWP WT-1 Engine Room Pit Area

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID 0411160-01B MS	Batch ID: R13812	Test Code: E300	Units: mg/L	Analysis Date 11/16/2004 10:48:52 P	Prep Date
Client ID: MW-4		Run ID: LC_041116A		SeqNo: 321222	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (As N)+Nitrite (As N)	9.737	0.5	3.5	6.953	79.6	80	120	0			S

Sample ID 0411160-01B MSD	Batch ID: R13812	Test Code: E300	Units: mg/L	Analysis Date 11/16/2004 11:05:36 P	Prep Date
Client ID: MW-4		Run ID: LC_041116A		SeqNo: 321223	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (As N)+Nitrite (As N)	9.828	0.5	3.5	6.953	82.1	80	120	10.44	6.06	20	

Sample ID 0411160-01a ms	Batch ID: R13809	Test Code: SW8260B	Units: µg/L	Analysis Date 11/16/2004	Prep Date
Client ID: MW-4		Run ID: NEPTUNE_041116A		SeqNo: 321067	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.46	1	20	0	97.3	75.3	128	0			
Toluene	19.82	1	20	0.474	96.7	77.8	122	0			
Chlorobenzene	24.67	1	20	5.584	95.4	76.2	130	0			
1,1-Dichloroethene	18.01	1	20	0.77	86.2	70.2	119	0			
Trichloroethene (TCE)	18.56	1	20	0	92.8	76.9	130	0			
Surr: 1,2-Dichloroethane-d4	9.932	0	10	0	99.3	68.4	127	0			
Surr: 4-Bromofluorobenzene	9.964	0	10	0	99.6	70.4	126	0			
Surr: Dibromofluoromethane	9.206	0	10	0	92.1	70.2	126	0			
Surr: Toluene-d8	10.5	0	10	0	105	73.5	129	0			

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: Cypress Engineering
Work Order: 0411160
Project: TWP WT-1 Engine Room Pit Area

QC SUMMARY REPORT
Sample Matrix Spike Duplicate

Sample ID **0411160-01a msd** Batch ID: **R13809** Test Code: **SW8260B** Units: **µg/L** Analysis Date **11/16/2004** Prep Date
Client ID: **MW-4** Run ID: **NEPTUNE_041116A** SeqNo: **321068**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.18	1	20	0	95.9	75.3	128	19.46	1.46	15	
Toluene	19.55	1	20	0.474	95.4	77.8	122	19.82	1.35	15	
Chlorobenzene	24.86	1	20	5.584	96.4	76.2	130	24.67	0.743	15	
1,1-Dichloroethene	18.1	1	20	0.77	86.7	70.2	119	18.01	0.521	17.8	
Trichloroethene (TCE)	18.83	1	20	0	94.2	76.9	130	18.56	1.44	19.8	
Surr: 1,2-Dichloroethane-d4	9.894	0	10	0	98.9	68.4	127	9.932	0.383	0	
Surr: 4-Bromofluorobenzene	9.884	0	10	0	98.8	70.4	126	9.964	0.806	0	
Surr: Dibromofluoromethane	9.274	0	10	0	92.7	70.2	126	9.206	0.736	0	
Surr: Toluene-d8	10.56	0	10	0	106	73.5	129	10.5	0.551	0	

Sample ID **0411160-01C MS** Batch ID: **6873** Test Code: **SW6010A** Units: **mg/L** Analysis Date **11/15/2004 4:16:31 PM** Prep Date **11/13/2004**
Client ID: **MW-4** Run ID: **ICP_041115C** SeqNo: **320593**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5373	0.02	0.5	0	107	75	125	0			
Barium	0.4982	0.02	0.5	0.02206	95.2	75	125	0			
Iron	0.4935	0.05	0.5	0	98.7	75	125	0			
Manganese	0.6594	0.002	0.5	0.1844	95.0	75	125	0			

Sample ID **0411160-01C MSD** Batch ID: **6873** Test Code: **SW6010A** Units: **mg/L** Analysis Date **11/15/2004 4:20:11 PM** Prep Date **11/13/2004**
Client ID: **MW-4** Run ID: **ICP_041115C** SeqNo: **320594**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5385	0.02	0.5	0	108	75	125	0.5373	0.225	20	
Barium	0.4938	0.02	0.5	0.02206	94.4	75	125	0.4982	0.878	20	
Iron	0.4957	0.05	0.5	0	99.1	75	125	0.4935	0.445	20	
Manganese	0.6578	0.002	0.5	0.1844	94.7	75	125	0.6594	0.243	20	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: Cypress Engineering
Work Order: 0411160
Project: TWP WT-1 Engine Room Pit Area

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID **0411160-11B ms** Batch ID: **6879** Test Code: **E160.1** Units: *mg/L* Analysis Date **11/17/2004** Prep Date **11/15/2004**
Client ID: **MW-7** Run ID: **WC_041117C** SeqNo: **321371**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	3004	50	1000	1959	105	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Date: *23-Nov-04*

CLIENT: Cypress Engineering
Work Order: 0411160
Project: TWP WT-1 Engine Room Pit Area

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID LCS	Batch ID: R13812	Test Code: E300	Units: mg/L	Analysis Date 11/16/2004 11:04:00 A	Prep Date
Client ID:		Run ID: LC_041116A		SeqNo: 321180	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	4.558	0.1	5	0	91.2	90	110	0			
Sulfate	9.243	0.5	10	0	92.4	90	110	0			
Nitrate (As N)+Nitrite (As N)	3.272	0.1	3.5	0	93.5	90	110	0			

Sample ID LCS	Batch ID: R13812	Test Code: E300	Units: mg/L	Analysis Date 11/16/2004 6:20:33 PM	Prep Date
Client ID:		Run ID: LC_041116A		SeqNo: 321206	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	4.606	0.1	5	0	92.1	90	110	0			
Sulfate	9.545	0.5	10	0	95.5	90	110	0			
Nitrate (As N)+Nitrite (As N)	3.272	0.1	3.5	0	93.5	90	110	0			

Sample ID LCS	Batch ID: R13812	Test Code: E300	Units: mg/L	Analysis Date 11/17/2004 1:53:30 AM	Prep Date
Client ID:		Run ID: LC_041116A		SeqNo: 321233	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	4.693	0.1	5	0	93.9	90	110	0			
Sulfate	9.381	0.5	10	0	93.8	90	110	0			
Nitrate (As N)+Nitrite (As N)	3.233	0.1	3.5	0	92.4	90	110	0			

Sample ID LCS	Batch ID: R13826	Test Code: E300	Units: mg/L	Analysis Date 11/17/2004 11:53:18 P	Prep Date
Client ID:		Run ID: LC_041117A		SeqNo: 321500	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	4.587	0.1	5	0	91.7	90	110	0			
Sulfate	9.28	0.5	10	0	92.8	90	110	0			
Nitrate (As N)+Nitrite (As N)	3.206	0.1	3.5	0	91.6	90	110	0			

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blank

CLIENT: Cypress Engineering
Work Order: 0411160
Project: TWP WT-1 Engine Room Pit Area

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID LCS	Batch ID: R13826	Test Code: E300	Units: mg/L	Analysis Date 11/18/2004 9:24:51 AM	Prep Date
Client ID:		Run ID: LC_041117A		SeqNo: 321515	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	4.751	0.1	5	0	95.0	90	110	0			
Sulfate	9.807	0.5	10	0	98.1	90	110	0			
Nitrate (As N)+Nitrite (As N)	3.358	0.1	3.5	0	95.9	90	110	0			

Sample ID LCS	Batch ID: R13836	Test Code: E300	Units: mg/L	Analysis Date 11/18/2004 3:02:03 PM	Prep Date
Client ID:		Run ID: LC_041118A		SeqNo: 321736	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	4.58	0.1	5	0	91.6	90	110	0			
Sulfate	9.233	0.5	10	0	92.3	90	110	0			
Nitrate (As N)+Nitrite (As N)	3.204	0.1	3.5	0	91.5	90	110	0			

Sample ID LCS	Batch ID: R13836	Test Code: E300	Units: mg/L	Analysis Date 11/18/2004 9:45:23 PM	Prep Date
Client ID:		Run ID: LC_041118A		SeqNo: 321760	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	4.586	0.1	5	0	91.7	90	110	0			
Sulfate	9.55	0.5	10	0	95.5	90	110	0			
Nitrate (As N)+Nitrite (As N)	3.269	0.1	3.5	0	93.4	90	110	0			

Sample ID LCS	Batch ID: R13849	Test Code: E300	Units: mg/L	Analysis Date 11/19/2004 2:28:06 PM	Prep Date
Client ID:		Run ID: LC_041119A		SeqNo: 321991	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	4.93	0.1	5	0	98.6	90	110	0			
Sulfate	10.05	0.5	10	0	100	90	110	0			
Nitrate (As N)+Nitrite (As N)	3.5	0.1	3.5	0	100	90	110	0			

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: Cypress Engineering
Work Order: 0411160
Project: TWP WT-1 Engine Room Pit Area

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID **100ng lcs** Batch ID: **R13809** Test Code: **SW8260B** Units: **µg/L** Analysis Date **11/16/2004** Prep Date
Client ID: Run ID: **NEPTUNE_041116A** SeqNo: **321066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.82	1	20	0	99.1	75.3	128	0			
Toluene	19.52	1	20	0	97.6	77.8	122	0			
Chlorobenzene	19.85	1	20	0	99.2	76.2	130	0			
1,1-Dichloroethene	17.56	1	20	0	87.8	70.2	119	0			
Trichloroethene (TCE)	19.39	1	20	0	96.9	76.9	130	0			

Sample ID **100ng lcs** Batch ID: **R13821** Test Code: **SW8260B** Units: **µg/L** Analysis Date **11/17/2004** Prep Date
Client ID: Run ID: **NEPTUNE_041117A** SeqNo: **321373**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.44	1	20	0	97.2	75.3	128	0			
Toluene	19.7	1	20	0	98.5	77.8	122	0			
Chlorobenzene	20.29	1	20	0	101	76.2	130	0			
1,1-Dichloroethene	16.65	1	20	0	83.3	70.2	119	0			
Trichloroethene (TCE)	19.12	1	20	0	95.6	76.9	130	0			

Sample ID **LCS** Batch ID: **R13803** Test Code: **SW6010A** Units: **mg/L** Analysis Date **11/16/2004 11:29:28 A** Prep Date
Client ID: Run ID: **ICP_041116B** SeqNo: **320759**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4772	0.02	0.5	0	95.4	80	120	0			
Barium	0.4847	0.002	0.5	0	96.9	80	120	0			
Iron	0.5126	0.02	0.5	0	103	80	120	0			
Manganese	0.4904	0.002	0.5	0.000152	98.1	80	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blank

CLIENT: Cypress Engineering
Work Order: 0411160
Project: TWP WT-1 Engine Room Pit Area

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID **LCSD** Batch ID: **R13803** Test Code: **SW6010A** Units: **mg/L** Analysis Date **11/16/2004 11:32:04 A** Prep Date
Client ID: Run ID: **ICP_041116B** SeqNo: **320760**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5243	0.02	0.5	0	105	80	120	0.4772	9.40	20	
Barium	0.504	0.002	0.5	0	101	80	120	0.4847	3.90	20	
Iron	0.531	0.02	0.5	0	106	80	120	0.5126	3.52	20	
Manganese	0.5115	0.002	0.5	0.000152	102	80	120	0.4904	4.21	20	

Sample ID **LCS** Batch ID: **R13803** Test Code: **SW6010A** Units: **mg/L** Analysis Date **11/16/2004 1:56:37 PM** Prep Date
Client ID: Run ID: **ICP_041116B** SeqNo: **320800**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5574	0.02	0.5	0	111	80	120	0			
Barium	0.5225	0.002	0.5	0.0002371	104	80	120	0			
Iron	0.5447	0.02	0.5	0	109	80	120	0			
Manganese	0.5319	0.002	0.5	0.0001535	106	80	120	0			

Sample ID **LCSD** Batch ID: **R13803** Test Code: **SW6010A** Units: **mg/L** Analysis Date **11/16/2004 1:58:36 PM** Prep Date
Client ID: Run ID: **ICP_041116B** SeqNo: **320801**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5632	0.02	0.5	0	113	80	120	0.5574	1.03	20	
Barium	0.5413	0.002	0.5	0.0002371	108	80	120	0.5225	3.55	20	
Iron	0.5766	0.02	0.5	0	115	80	120	0.5447	5.68	20	
Manganese	0.5499	0.002	0.5	0.0001535	110	80	120	0.5319	3.33	20	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: Cypress Engineering
Work Order: 0411160
Project: TWP WT-1 Engine Room Pit Area

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID LCS-6873	Batch ID: 6873	Test Code: SW6010A	Units: mg/L	Analysis Date 11/15/2004 2:40:20 PM	Prep Date 11/13/2004
Client ID:		Run ID: ICP_041115C		SeqNo: 320566	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.489	0.02	0.5	0	97.8	80	120	0			
Barium	0.4844	0.02	0.5	0	96.9	80	120	0			
Iron	0.5083	0.05	0.5	0	102	80	120	0			
Manganese	0.491	0.002	0.5	0	98.2	80	120	0			

Sample ID LCSD-6873	Batch ID: 6873	Test Code: SW6010A	Units: mg/L	Analysis Date 11/15/2004 2:42:58 PM	Prep Date 11/13/2004
Client ID:		Run ID: ICP_041115C		SeqNo: 320567	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4857	0.02	0.5	0	97.1	80	120	0.489	0.669	20	
Barium	0.483	0.02	0.5	0	96.6	80	120	0.4844	0.305	20	
Iron	0.4991	0.05	0.5	0	99.8	80	120	0.5083	1.83	20	
Manganese	0.4885	0.002	0.5	0	97.7	80	120	0.491	0.507	20	

Sample ID LCS-6879	Batch ID: 6879	Test Code: E160.1	Units: mg/L	Analysis Date 11/17/2004	Prep Date 11/15/2004
Client ID:		Run ID: WC_041117C		SeqNo: 321358	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	1047	50	1000	0	105	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Sample Receipt Checklist

Client Name CYP | Date and Time Received:

Work Order Number 0411160 | Received by GLS

Checklist completed by A. Gonzales 11/12/01
Signature | Date

Matrix: | Carrier name: Greyhound

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

Container/Temp Blank temperature? 2° *4° C ± 2 Acceptable* If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

HALL ENVIRONMENTAL
ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

QA / QC Package: Std ☐ Level 4 ☐

Other:

Client: Cypress Engineering Services

Address: 7121 Hwy 6, North Ste 102
Houston TX 77095

Phone #: 281.797.3420

Fax #: 281.~~859~~.1881

Project Name: Transwestern Pipeline Co. WT-1 ERP

Project #: TWP WT-1 ERP

Project Manager: George Robinson

Sampler: Sandy Shaff / Clay Brewhill

Sample Temperature: 2.0

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative HgCl₂	Preservative HNO₃	Preservative H₂SO₄	HEAL No. 0411160	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA) VOC'S	8270 (Semi-VOA)	Total Metals, As, Ba, Fe, Mn	NO_2/NO_3 As N 353.3	TDS, Cl, Sulfate	Dissolved Metals As, Ba, Fe, Mn	Air Bubbles or Headspace (Y or N)
11/9/04	1150	W	MW-4	3/40, 1/500ml, 1/500, 1/125	X	X	X	1											X		X	X	X		
	1235	W	MW-16	11				2											X		X	X	X		
	1315		MW-15					3											X		X	X	X		
	1515		MW-1					4											X		X	X	X		
	1450		MW-6					5											X		X	X	X		
	1705		MW-8					6											X		X	X	X		
11/10/04	1100		MW-5					7											X		X	X	X		
	1025		MW-17					8											X		~~X~~	X	X	X	
	1015		MW-14					9											X		X	X	X		
	1055		SVE-1A					10											X		X	X	X		
	0945		MW-7					11											X		X	X	X		
								12																	

Date: 11/11/04 Time: 1030 Relinquished By: (Signature) [signature]

Received By: (Signature) [signature] 11/12/04 @ 11:55

Date: Time: Relinquished By: (Signature)

Received By: (Signature)

Remarks: