

# C A M B R I A

MAR 05 2002

February 28, 2002

Susan Hugo  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

R014

Re: **Fourth Quarter 2001 Groundwater Monitoring Report**  
BP Oil Site No. 11132  
3201 35<sup>th</sup> Avenue  
Oakland, California  
Cambria Project No. 852-1762



Dear Ms. Hugo:

On behalf of BP Oil Company, Cambria Environmental Technology, Inc. has prepared this *Fourth Quarter 2001 Groundwater Monitoring Report* for the above referenced site. This report summarizes chemical data collected since 1990 including analytical results associated with samples recently collected on November 30 and December 6, 2001.

Water level and analytical results for this monitoring event are summarized in Figure 1 and on Table 1 on Appendix A. During this monitoring event, wells MW-1, MW-2 and MW-10 reported more than 1,000 micrograms per liter ( $\mu\text{g/L}$ ) benzene, with a maximum concentration of 7,270  $\mu\text{g/L}$  in well MW-2. Wells MW-1 and RW-1 reported more than 1,000  $\mu\text{g/L}$  methyl tert butyl ether (MTBE), with a maximum concentration of 8,260  $\mu\text{g/L}$  in well RW-1.

Benzene and MTBE concentrations and water levels trends in well MW-2 are shown in Figure 2. Analytical results below method reporting limits are plotted at one half the detection limit (open symbol).

Oakland, CA  
San Ramon, CA  
Sonoma, CA

**Cambria  
Environmental  
Technology, Inc.**

1144 65th Street  
Suite B  
Oakland, CA 94608  
Tel (510) 420-0700  
Fax (510) 420-9170

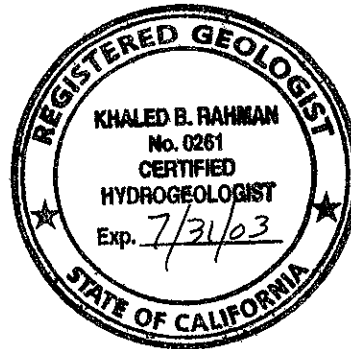
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We appreciate the opportunity to work with you on this project. If you have any questions or comments, please don't hesitate to call me at (510) 450-1985.

Sincerely,  
Cambria Environmental Technology, Inc.



Khaled Rahman, R.G., C.H.G.  
Associate Geologist



Attachments

Figure 1 – Groundwater Elevation Contour Map  
Figure 2 – Concentration and Water Level Trends – MW-2

Appendix A – Blaine Tech Services, Inc., 4<sup>th</sup> Quarter 2001 Monitoring at 11132

cc: Scott Hooton, BP Oil Company, Environmental Resources Management, 295 SW 41<sup>st</sup> Street, Building 13, Suite N, Renton, Washington 98055-4931 (1 original)  
Dave Camille, Tosco Marketing Company, 2000 Crow Canyon Place, Suite 400, San Ramon, California 95118-3686 (1 copy)  
Ade Fagorala, San Francisco Bay Regional Water Quality Control Board, 1515 Clay Street, Suite 1400, Oakland, California 94612 (1 copy)

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**FIGURES**

**EXPLANATION**

- MW-1 ● Monitoring well location
- RW-1 ☒ Groundwater recovery well location
- Groundwater flow direction. Approximate horizontal hydraulic gradient = 0.016
- XX.XX Groundwater elevation contour, in feet above mean sea level (msl), dashed where inferred

Well	Well designation
ELEV	Groundwater elevation (msl)
Benzene	Benzene and MTBE concentrations are in micrograms per liter (µg/L)
MTBE	

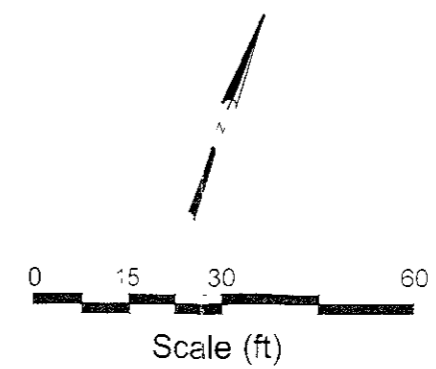
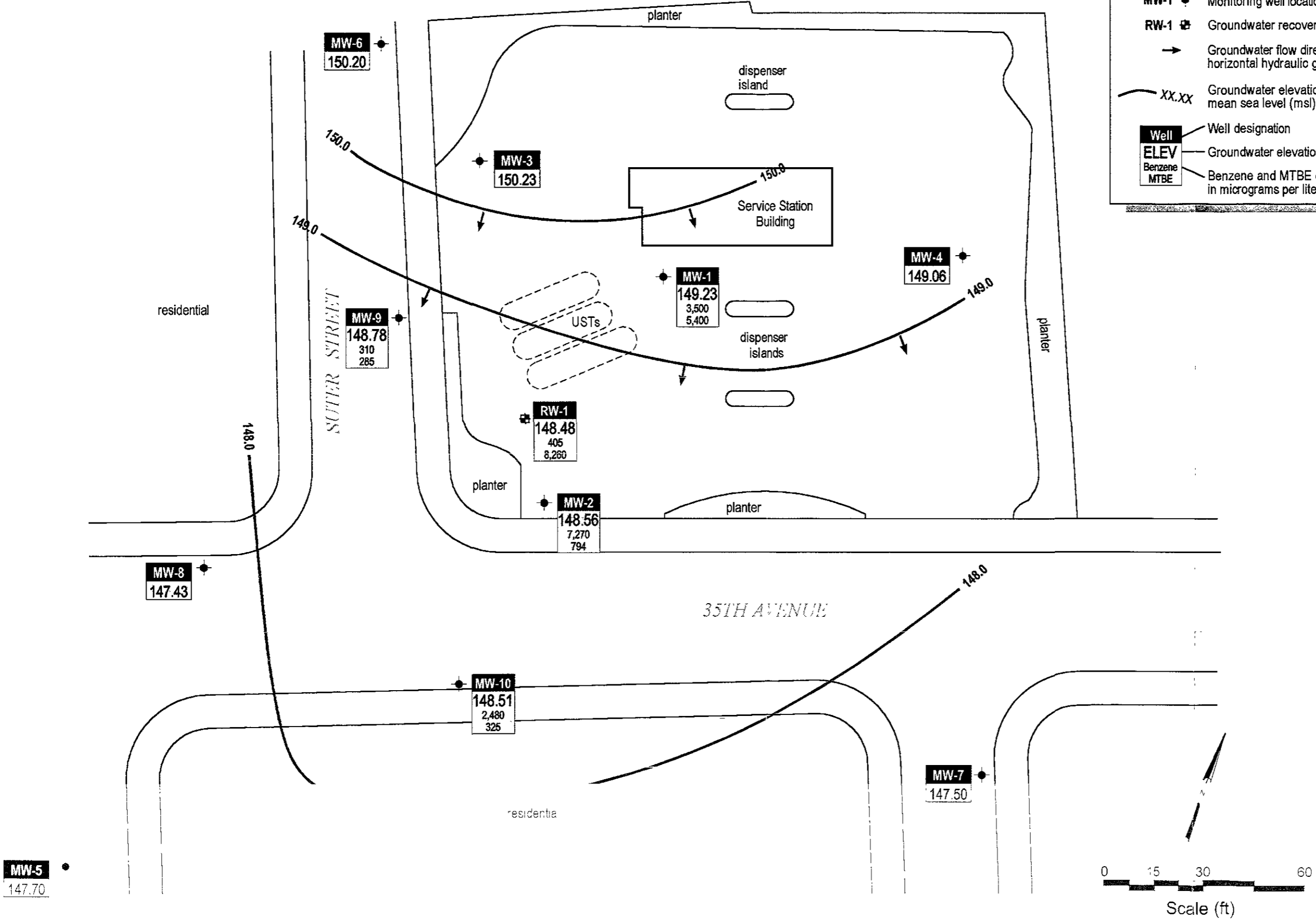
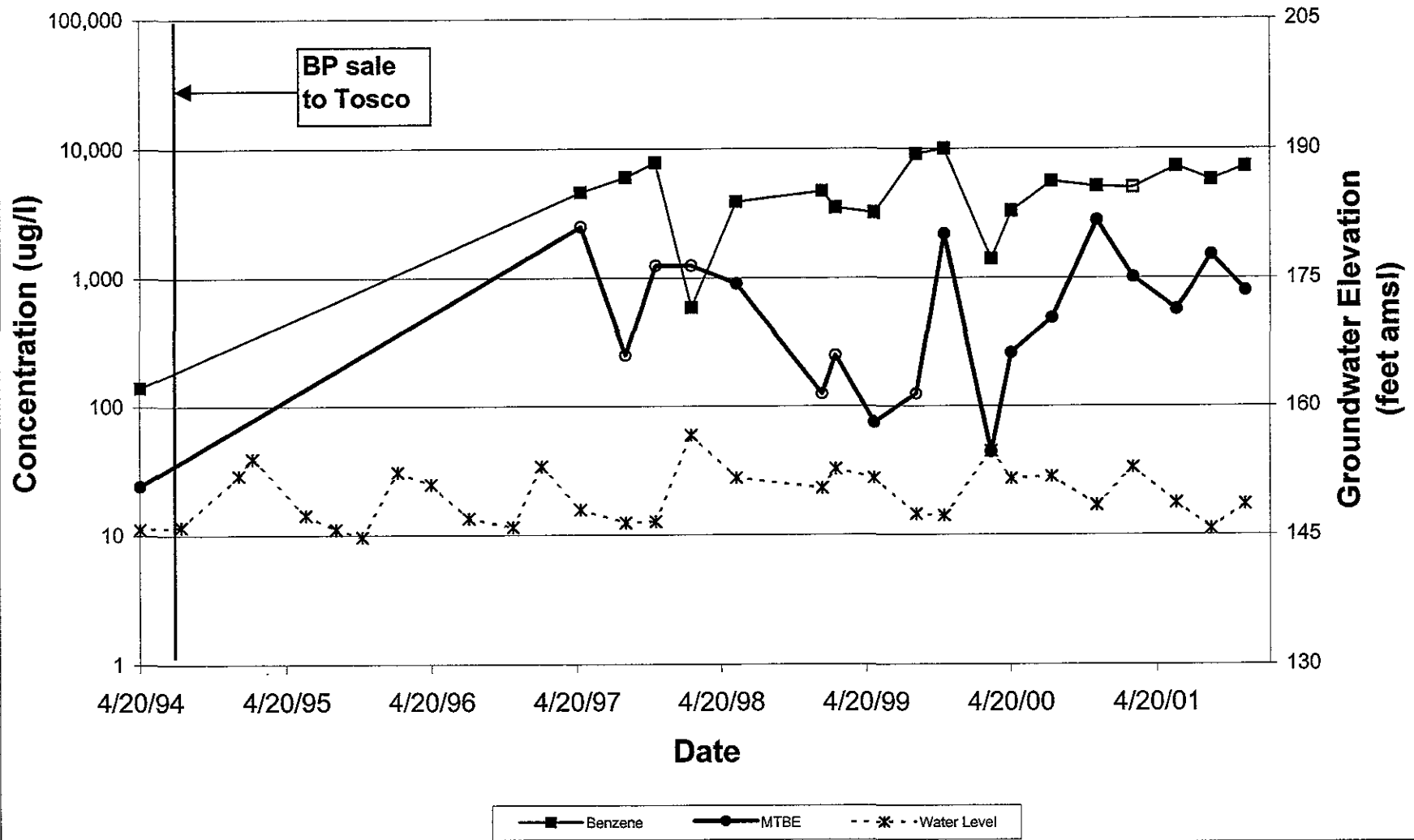


FIGURE  
**1**

11/03/01 11:13 AM 11/30/01 11:13 AM 11/30/01 11:13 AM

# Concentration and Water Level Trends Well MW-2



BP Oil Site 11132  
3201 35th Street  
Oakland, California

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## APPENDIX A

Blaine Tech Services, Inc.  
4<sup>th</sup> Quarter 2001 Monitoring



1680 ROGERS AVENUE  
SAN JOSE, CA 95112-1105  
(408) 573-7771 FAX  
(408) 573-0555 PHONE  
CONTRACTOR'S LICENSE #746684  
www.blainetech.com

December 31, 2001

Scott Hooton  
BP Oil Company  
295 SW 41st Street, Bldg. 13, Suite N  
Renton, WA 98055-4931

#### **4th Quarter 2001 Monitoring at 11132**

Fourth Quarter 2001 Groundwater Monitoring  
BP Service Station Number 11132  
3201 35th Avenue  
Oakland, CA

Monitoring Performed on November 30 and  
December 6, 2001

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#### **Groundwater Sampling Report 011130-SO-3**

This report covers the routine monitoring of groundwater wells at this BP facility. Blaine Tech Services, Inc.'s work at the site includes inspection, gauging, evacuation, purgewater containment, sample collection and sample handling in accordance with standard procedures that conform to Regional Water Quality Control Board requirements.

Routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, the appropriate calculated purge volume, elapsed evacuation time, total volume of water removed, and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater is, likewise, collected and transported to Seaport Petroleum Corporation for disposal.

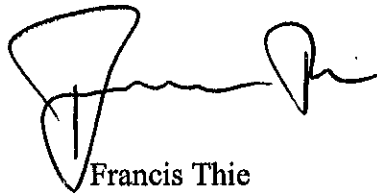
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**.

At a minimum, Blaine Tech Services, Inc. field personnel are certified upon completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

A handwritten signature in black ink, appearing to read 'Francis Thie', with a stylized flourish at the end.

Francis Thie  
Vice President

FPT/mb

Cc: Khaled B. Rahman  
Cambria Environmental Technology, Inc.  
6262 Hollis Street  
Emeryville, CA 94608

attachments: Cumulative Table of Well Data and Analytical Results  
Analytical Appendix  
Field Data Sheets



# **Table of Well Data and Analytical Results**

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-1	07/09/90	169.75	---	0.22	---	---	---	---	---	---	---	---	---
MW-1	12/21/90	169.75	---	0.58	---	---	---	---	---	---	---	---	---
MW-1	03/07/91	169.75	20.59	---	---	---	---	---	---	---	---	---	---
MW-1	06/27/91	169.75	---	0.18	---	---	---	---	---	---	---	---	---
MW-1	09/27/91	169.75	---	0.27	---	---	---	---	---	---	---	---	---
MW-1	12/18/91	169.75	---	0.28	---	---	---	---	---	---	---	---	---
MW-1	04/01/91	169.75	16.51	0.15	153.35	---	---	---	---	---	---	---	---
MW-1	07/03/92	169.75	22.30	0.27	147.65	---	---	---	---	---	---	---	---
MW-1	10/05/92	169.75	23.98	0.24	145.95	---	---	---	---	---	---	---	---
MW-1	01/13/93	169.75	17.03	0.24	152.90	---	---	---	---	---	---	---	---
MW-1	04/23/93	169.75	18.10	0.42	151.97	---	---	---	---	---	---	---	---
MW-1	07/12/93	169.75	22.02	0.49	148.10	---	---	---	---	---	---	---	---
MW-1	10/21/93	169.75	25.12	1.09	145.45	---	---	---	---	---	---	---	---
MW-1	01/21/94	169.75	23.02	0.76	147.30	---	---	---	---	---	---	---	---
MW-1	04/20/94	169.75	24.54	1.80	146.56	---	---	---	---	---	---	---	---
MW-1	08/01/94	169.75	24.11	0.35	145.90	---	---	---	---	---	---	---	---
MW-1	12/23/94	169.75	18.19	0.29	151.78	---	---	---	---	---	---	---	---
MW-1	01/26/95	169.75	16.25	1.10	154.33	---	---	---	---	---	---	---	---
MW-1	06/08/95	169.75	22.92	1.20	147.73	---	---	---	---	---	---	---	---
MW-1	08/22/95	169.75	24.45	0.85	145.94	---	---	---	---	---	---	---	---
MW-1	10/27/95	169.75	25.41	0.69	144.86	---	---	---	---	---	---	---	---
MW-1	01/25/96	169.75	18.20	1.40	152.60	---	---	---	---	---	---	---	---
MW-1	04/19/96	169.75	19.06	1.22	151.61	---	---	---	---	---	---	---	---
MW-1	07/23/96	169.75	22.98	0.89	147.44	---	---	---	---	---	---	---	---
MW-1	11/11/96	169.75	23.99	0.98	146.50	---	---	---	---	---	---	---	---
MW-1	01/21/97	169.75	16.80	0.90	153.63	---	---	---	---	---	---	---	---
MW-1	04/29/97	169.75	21.90	0.85	148.49	---	---	---	---	---	---	---	---
MW-1	04/30/97	169.75	---	---	---	100000	3600	8000	4000	21300	7700	5.2	SPL
QC-1 (c)	04/30/97	---	---	---	---	92000	3500	8100	4400	23800	6900	---	SPL
MW-1	08/21/97	169.75	23.40	0.87	147.00	140000	3000	8500	3900	22100	5700	5.3	SPL
QC-1 (c)	08/21/97	---	---	---	---	120000	3200	8100	3800	19600	5200	---	SPL
MW-1	11/05/97	169.75	23.70	0.54	146.46	68000	6200	4400	3300	14300	8000	4.7	SPL
QC-1 (c)	11/05/97	---	---	---	---	88000	7300	4800	3600	16900	8200	---	SPL
MW-1	02/03/98	169.75	13.63	0.32	156.36	---	---	---	---	---	---	---	---
MW-1	02/04/98	---	---	---	---	190000	2200	10000	5600	32000	ND<10000	5.3	SPL
QC-1 (c)	02/04/98	---	---	---	---	160000	2300	8400	5000	29400	ND<10000	---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-1	05/28/98	169.75	18.03	0.17	151.85	87000	980	3900	3600	19000	2900	3.8	SPL
MW-1	12/30/98	169.75	19.50	0.08	150.31	70000	530	3200	2900	16000	3600	—	SPL
MW-1	02/02/99	169.75	18.93	0.03	150.84	79000	480	3100	3500	21000	3500	—	SPL
MW-1	05/10/99	169.75	18.28	0.03	151.49	110000	160	1900	3700	24000	3000	—	SPL
MW-1	08/24/99	169.75	20.13	0.06	149.67	110000	850	1300	1900	19000	ND<50	—	SPL
MW-1	11/03/99	169.75	22.27	0.36	147.77	65000	6300	1100	3300	9500	8900	—	PACE
MW-1 (h)	03/01/00	169.75	14.79	0.23	155.14	—	—	—	—	—	—	—	—
MW-1	04/21/00	169.75	18.10	0.33	151.91	61000	330	780	2700	17000	1300	—	PACE
MW-1	07/31/00	169.75	21.60	0.53	148.57	1500000	340	2100	24000	120000	2700	—	PACE
MW-1	11/20/00	169.75	21.69	0.37	148.36	1700000	1800	2300	19000	93000	3900	—	PACE
MW-1	02/18/01	169.75	16.70	0.13	153.15	—	—	—	—	—	—	—	—
MW-1	02/26/01	169.75	14.38	0.15	155.49	100000	658	466	4210	15000	1890	—	PACE
MW-1	06/07/01	169.75	20.78	0.00	148.97	70000	705	440	3870	12200	2720	—	PACE
MW-1 (j)	09/05/01	169.75	23.36	0.35	146.67	—	—	—	—	—	—	—	—
MW-1 (k)	11/30/01	169.75	20.85	0.41	149.23	—	—	—	—	—	—	—	—
MW-1	12/06/01	169.75	18.72	0.27	151.25	39000	3500	237	2150	4500	5400	—	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-2	07/09/90	168.14	—	0.10	—	—	—	—	—	—	—	—	—
MW-2	12/21/90	168.14	—	0.48	—	—	—	—	—	—	—	—	—
MW-2	03/07/91	168.14	19.18	—	—	—	—	—	—	—	—	—	—
MW-2	06/27/91	168.14	—	0.19	—	—	—	—	—	—	—	—	—
MW-2	09/27/91	168.14	—	0.15	—	—	—	—	—	—	—	—	—
MW-2	12/18/91	168.14	—	0.36	—	—	—	—	—	—	—	—	—
MW-2	04/01/91	168.14	15.21	0.10	153.01	—	—	—	—	—	—	—	—
MW-2	07/03/92	168.14	20.93	0.03	147.23	—	—	—	—	—	—	—	—
MW-2	10/05/92	168.14	22.74	0.21	145.56	—	—	—	—	—	—	—	—
MW-2	01/13/93	168.14	15.55	0.02	152.61	—	—	—	—	—	—	—	—
MW-2	04/23/93	168.14	16.54	0.21	151.76	—	—	—	—	—	—	—	—
MW-2	07/12/93	168.14	20.46	0.06	147.73	—	—	—	—	—	—	—	—
MW-2	10/21/93	168.14	24.91	0.31	143.46	—	—	—	—	—	—	—	—
MW-2	01/21/94	168.14	21.20	—	146.94	—	—	—	—	—	—	—	—
MW-2	04/20/94	168.14	22.44	—	145.70	1800	140	370	54	290	24	(i)	1.7 PACE
MW-2	08/01/94	168.14	22.24	0.04	145.93	—	—	—	—	—	—	—	—
MW-2	12/23/94	168.14	16.25	0.03	151.91	—	—	—	—	—	—	—	—
MW-2	01/26/95	168.14	14.55	0.39	153.88	—	—	—	—	—	—	—	—
MW-2	06/08/95	168.14	21.18	0.43	147.28	—	—	—	—	—	—	—	—
MW-2	08/22/95	168.14	22.76	0.36	145.65	—	—	—	—	—	—	—	—
MW-2	10/27/95	168.14	23.61	0.30	144.76	—	—	—	—	—	—	—	—
MW-2	01/25/96	168.14	15.95	0.15	152.30	—	—	—	—	—	—	—	—
MW-2	04/19/96	168.14	17.33	0.07	150.86	—	—	—	—	—	—	—	—
MW-2	07/23/96	168.14	21.25	0.05	146.93	—	—	—	—	—	—	—	—
MW-2	11/11/96	168.14	22.27	0.01	145.88	—	—	—	—	—	—	—	—
MW-2	01/21/97	168.14	15.19	0.01	152.96	—	—	—	—	—	—	—	—
MW-2	04/29/97	168.14	20.22	0.01	147.93	—	—	—	—	—	—	—	—
MW-2	04/30/97	168.14	—	—	—	130000	4600	15000	6000	37000	ND<5000	5.0	SPL
MW-2	08/21/97	168.14	21.74	0.01	146.41	110000	6000	16000	4700	28000	ND<500	4.6	SPL
MW-2	11/05/97	168.14	21.61	0.01	146.54	120000	7800	18000	4900	28100	ND<2500	4.6	SPL
MW-2	02/03/98	168.14	11.51	—	156.63	75000	590	1500	1800	12800	ND<2500	4.5	SPL
MW-2	05/28/98	168.14	16.51	—	151.63	79000	3900	3100	3100	18000	900	4.3	SPL
MW-2	12/30/98	168.14	17.70	—	150.44	95000	4700	3500	3700	21000	ND<250	—	SPL
MW-2	02/02/99	168.14	15.46	—	152.68	170000	3500	1500	5200	34000	ND<500	—	SPL
MW-2	05/10/99	168.14	16.52	—	151.62	84000	3200	3200	3700	20000	75	—	SPL
MW-2	08/24/99	168.14	20.73	—	147.41	130000	9100	9200	4700	27000	ND<250	—	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-2	11/03/99	168.14	20.93	---	147.21	120000	10000	21000	4700	30200	2200	---	PACE
MW-2	03/01/00	168.14	13.37	---	154.77	39000	1400	1500	1700	8100	44	---	PACE
MW-2	04/21/00	168.14	16.59	---	151.55	68000	3300	2500	3100	20000	260	---	PACE
MW-2	07/31/00	168.14	16.37	---	151.77	99000	5600	1400	4300	22000	490	---	PACE
MW-2	11/20/00	168.14	19.71	---	148.43	37000	5100	1500	1300	4800	2800	---	PACE
MW-2	02/18/01	168.14	15.29	---	152.85	54000	5020	3880	2850	15400	1010	---	PACE
MW-2	06/07/01	168.14	19.43	---	148.71	110000	7240	4380	4160	22100	567	---	PACE
MW-2	09/05/01	168.14	22.44	---	145.70	69000	5750	5790	2770	14200	1510	---	PACE
MW-2	11/30/01	168.14	19.58	---	148.56	120000	7270	6540	4590	23000	794	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-3	07/09/90	167.17	—	—	—	140	5.3	4.6	2.0	3.8	—	—	—
MW-3	12/21/90	167.17	—	—	—	0.19	100	6.0	0.9	27	—	—	—
MW-3	03/07/91	167.17	17.40	—	149.77	0.4	69	22	6.1	57	—	—	—
MW-3	06/27/91	167.17	—	—	—	380	28	26	13	46	—	—	—
MW-3	09/27/91	167.17	—	—	—	0.07	7.9	ND	0.4	1.1	—	—	—
MW-3	12/18/91	167.17	—	—	—	0.26	34	24	0.8	28	—	—	—
MW-3	04/01/91	167.17	13.69	—	153.48	ND	ND	ND	ND	ND	—	—	—
MW-3	07/03/92	167.17	19.59	—	147.58	71	9.4	0.9	5.0	13	—	—	ANA
MW-3	10/05/92	167.17	21.22	—	145.95	67	5.1	1.1	6.1	8.1	—	—	ANA
QC-1 (c)	10/05/92	—	—	—	—	ND<50	2.2	ND<0.5	1.5	2.8	—	—	ANA
MW-3	01/13/93	167.17	13.63	—	153.54	830	50	34	42	89	—	(i)	PACE
MW-3	04/23/93	167.17	15.02	—	152.15	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	(i)	PACE
QC-1 (c)	04/23/93	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	(i)	PACE
MW-3	07/12/93	167.17	19.16	—	148.01	250	12	4.2	12	16	ND<5.0	(i)	PACE
MW-3	10/21/93	167.17	21.81	—	145.36	52	4.4	1.4	4.7	3.3	ND<5.0	(i)	PACE
QC-1 (c)	10/21/93	—	—	—	—	65	7.4	1.0	6.9	4.2	—	—	PACE
MW-3	01/21/94	167.17	19.94	—	147.23	57	3.0	3.4	3.6	9.0	ND<5.0	(i)	PACE
MW-3	04/20/94	167.17	20.24	—	146.93	600	26	23	33	88	28.7	(i)	1.8 PACE
MW-3	08/01/94	167.17	20.74	—	146.43	99	6.2	1.1	4.5	5.2	ND<5.0	(i)	1.4 PACE
QC-1 (c)	08/01/94	—	—	—	—	120	7.7	1.6	5.9	6.7	5.43	(i)	— PACE
MW-3	12/23/94	167.17	14.70	—	152.47	ND<50	ND<0.5	0.78	ND<0.5	ND<0.5	9.8	(i)	1.7 PACE
QC-1 (c)	12/23/94	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-3	01/26/95	167.17	12.89	—	154.28	190	16	0.5	35	24	—	6.6	ATI
MW-3	06/08/95	167.17	19.95	—	147.22	330	21	4.0	34	32	—	7.0	ATI
MW-3	08/22/95	167.17	21.41	—	145.76	150	14	ND<0.50	ND<0.50	1.6	ND<5.0	(d)	6.6 ATI
MW-3	10/27/95	167.17	22.43	—	144.74	—	—	—	—	—	—	—	—
MW-3	10/30/95	167.17	—	—	—	51	2.4	ND<0.50	ND<0.50	ND<1.0	ND<5.0	6.9	ATI
MW-3	01/25/96	167.17	14.03	—	153.14	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	5.1	—	CEI
MW-3	04/19/96	167.17	15.26	—	151.91	460	55	4	33	63	ND<10	9.4	SPL
MW-3	07/23/96	167.17	19.19	—	147.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10	9.2	SPL
MW-3	11/11/96	167.17	20.24	—	146.93	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	8.4	SPL
MW-3	01/21/97	167.17	13.09	—	154.08	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.4	SPL
MW-3	04/29/97	167.17	18.14	—	149.03	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.3	SPL
MW-3	08/21/97	167.17	19.64	—	147.53	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.9	SPL
MW-3	11/05/97	167.17	19.95	—	147.22	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	4.5	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-3	02/03/98	167.17	10.57	—	156.60	ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	4.7	SPL
MW-3	05/28/98	167.17	14.65	—	152.52	330	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	4.2	SPL
MW-3	12/30/98	167.17	16.63	—	150.54	—	—	—	—	—	—	—	—
MW-3	02/02/99	167.17	13.12	—	154.05	<250	<5.0	<5.0	<5.0	<5.0	<5.0	—	SPL
MW-3	05/10/99	167.17	14.21	—	152.96	—	—	—	—	—	—	—	—
MW-3	08/24/99	167.17	14.36	—	152.81	—	—	—	—	—	—	—	—
MW-3	11/03/99	167.17	19.21	—	147.96	—	—	—	—	—	—	—	—
MW-3	03/01/00	167.17	15.17	—	152.00	ND<50	ND<0.5	0.57	ND<0.5	0.62	ND<0.5	—	PACE
MW-3	04/21/00	167.17	14.88	—	152.29	—	—	—	—	—	—	—	—
MW-3	07/31/00	167.17	15.29	—	151.88	—	—	—	—	—	—	—	—
MW-3	11/20/00	167.17	17.31	—	149.86	—	—	—	—	—	—	—	—
MW-3	02/18/01	167.17	12.85	—	154.32	160	1.95	1.31	10.2	9.09	1.0	—	PACE
MW-3	06/07/01	167.17	18.00	—	149.17	—	—	—	—	—	—	—	—
MW-3	09/05/01	167.17	20.32	—	146.85	—	—	—	—	—	—	—	—
MW-3	11/30/01	167.17	16.94	—	150.23	—	—	—	—	—	—	—	—

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-4	07/09/90	170.36	---	---	---	ND	ND	ND	ND	ND	---	---	---
MW-4	12/21/90	170.36	---	---	---	ND	ND	ND	ND	0.8	---	---	---
MW-4	03/07/91	170.36	20.72	---	149.64	ND	2.2	3.8	1.5	2.8	---	---	---
MW-4	06/27/91	170.36	---	---	---	ND	6.3	1.8	0.4	1.0	---	---	---
MW-4	09/27/91	170.36	---	---	---	ND	ND	ND	ND	ND	---	---	---
MW-4	12/18/91	170.36	---	---	---	ND	ND	ND	ND	ND	---	---	---
MW-4	04/01/91	170.36	17.49	---	152.87	ND	ND	ND	ND	ND	---	---	---
MW-4	07/03/92	170.36	22.16	---	148.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
MW-4	10/05/92	170.36	23.38	---	146.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
MW-4	01/13/93	170.36	17.58	---	152.78	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	PACE
MW-4	04/23/93	170.36	15.72	---	154.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	PACE
MW-4	07/12/93	170.36	21.74	---	148.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	PACE
MW-4	10/21/93	170.36	23.84	---	146.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	PACE
MW-4	01/21/94	170.36	22.42	---	147.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	PACE
MW-4	04/20/94	170.36	22.66	---	147.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	PACE
MW-4	08/01/94	170.36	23.01	---	147.35	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	PACE
MW-4	12/23/94	170.36	17.03	---	153.33	---	---	---	---	---	---	---	---
MW-4	01/26/95	170.36	17.42	---	152.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---	7.5	ATI
MW-4	06/08/95	170.36	21.55	---	148.81	---	---	---	---	---	---	---	---
MW-4	08/22/95	170.36	23.47	---	146.89	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	(d)	ATI
MW-4	10/27/95	170.36	24.50	---	145.86	---	---	---	---	---	---	---	---
MW-4	01/25/96	170.36	18.74	---	151.62	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	58	---	CEI
MW-4	04/19/96	170.36	18.63	---	151.73	---	---	---	---	---	---	---	---
MW-4	07/23/96	170.36	22.56	---	147.80	---	---	---	---	---	---	---	---
MW-4	11/11/96	170.36	23.63	---	146.73	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	34	8.2	SPL
MW-4	01/21/97	170.36	16.59	---	153.77	---	---	---	---	---	---	---	---
MW-4	04/29/97	170.36	21.43	---	148.93	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.7	SPL
MW-4	08/21/97	170.36	22.91	---	147.45	---	---	---	---	---	---	---	---
MW-4	11/05/97	170.36	22.34	---	148.02	60	ND<0.5	ND<1.0	ND<1.0	ND<1.0	76	4.9	SPL
MW-4	02/03/98	170.36	12.26	---	158.10	---	---	---	---	---	---	---	SPL
MW-4	05/28/98	170.36	18.50	---	151.86	70	ND<0.5	ND<1.0	ND<1.0	ND<1.0	160	4.2	SPL
MW-4	12/30/98	170.36	19.69	---	150.67	---	---	---	---	---	---	---	---
MW-4	02/02/99	170.36	18.26	---	152.10	70	ND<1.0	ND<1.0	ND<1.0	ND<1.0	130	---	SPL
MW-4	05/10/99	170.36	17.86	---	152.50	---	---	---	---	---	---	---	---
MW-4	08/24/99	170.36	17.93	---	152.43	---	---	---	---	---	---	---	---
MW-4	11/03/99	170.36	22.78	---	147.58	---	---	---	---	---	---	---	---



TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-4	03/01/00	170.36	18.04	---	152.32	ND<50	ND<0.5	0.67	ND<0.5	0.7	110	---	PACE
MW-4	04/21/00	170.36	17.36	---	153.00	---	---	---	---	---	---	---	---
MW-4	07/31/00	170.36	17.83	---	152.53	---	---	---	---	---	---	---	---
MW-4	11/20/00	170.36	18.91	---	151.45	---	---	---	---	---	---	---	---
MW-4	02/18/01	170.36	17.72	---	152.64	88	ND<0.5	ND<0.5	ND<0.5	ND<0.5	97.3	---	PACE
MW-4	06/07/01	170.36	20.23	---	150.13	---	---	---	---	---	---	---	---
MW-4	09/05/01	170.36	22.76	---	147.60	---	---	---	---	---	---	---	---
MW-4	11/30/01	170.36	21.30	---	149.06	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-5	07/09/90	165.14	---	---	---	280	200	210	46	290	---	---	---
MW-5	12/21/90	165.14	---	---	---	0.69	300	34	8.4	39	---	---	---
MW-5	03/07/91	165.14	16.60	---	148.54	ND	17	0.9	0.7	1.6	---	---	---
MW-5	06/27/91	165.14	---	---	---	330	120	10	12	8	---	---	---
MW-5	09/27/91	165.14	---	---	---	0.73	230	16	20	22	---	---	---
MW-5	12/18/91	165.14	---	---	---	ND	ND	ND	ND	ND	---	---	---
MW-5	04/01/91	165.14	11.99	---	153.15	800	250	54	11	60	---	---	---
MW-5	07/03/92	165.14	18.65	---	146.49	150	36	ND<0.5	ND<0.5	1.1	---	---	ANA
MW-5	10/05/92	165.14	20.32	---	144.82	270	79	4	1.7	2.9	---	---	ANA
MW-5	01/13/93	165.14	13.03	---	152.11	180	59	6.0	1.8	7.6	---	(i)	PACE
MW-5	04/23/93	165.14	13.51	---	151.63	8700	440	96	35	136	---	(i)	PACE
MW-5	07/12/93	165.14	18.06	---	147.08	250	57	2.9	2.1	6.0	ND<5.0	(i)	PACE
MW-5	10/21/93	165.14	20.41	---	144.73	210	82	1.5	ND<0.5	1.4	---	(i)	PACE
MW-5	01/21/94	165.14	18.86	---	146.28	110	36	1.2	ND<0.5	0.7	ND<5.0	(i)	PACE
MW-5	04/20/94	165.14	17.30	---	147.84	690	230	4.5	1.6	11	21.2	(i)	PACE
MW-5	08/01/94	165.14	17.53	---	147.61	170	44	1.6	0.9	2.7	ND<5.0	(i)	PACE
MW-5	12/23/94	165.14	11.63	---	153.51	630	180	1.9	0.66	1.9	7.81	(i)	PACE
MW-5	01/26/95	165.14	11.25	---	153.89	160	68	ND<0.5	ND<0.5	22	---	5.9	ATI
MW-5	06/08/95	165.14	16.80	---	148.34	2000	630	58	61	180	---	6.5	ATI
QC-1 (c)	06/08/95	---	---	---	---	1700	560	51	55	170	---	---	ATI
MW-5	08/22/95	165.14	19.02	---	146.12	3700	1100	18	27	59	ND<130	(d)	ATI
MW-5	10/27/95	165.14	20.94	---	144.20	---	---	---	---	---	---	---	---
MW-5	10/30/95	165.14	---	---	---	6500	2200	55	180	270	ND<250	7.5	ATI
MW-5	01/25/96	165.14	13.30	---	151.84	590	37	0.70	ND<0.50	ND<1.0	ND<5.0	---	CEI
QC-1 (c)	01/25/96	---	---	---	---	540	37	0.66	ND<0.50	ND<1.0	ND<5.0	---	CEI
MW-5	04/19/96	165.14	13.63	---	151.51	1500	470	38	49	210	ND<50	8.1	SPL
MW-5	07/23/96	165.14	17.61	---	147.53	140	4.6	ND<0.5	ND<0.5	ND<0.5	ND<10	8.0	SPL
MW-5	11/11/96	165.14	18.70	---	146.44	140	40	ND<1.0	ND<1.0	ND<1.0	ND<10	7.9	SPL
MW-5	01/21/97	165.14	11.63	---	153.51	730	300	ND<5.0	7.8	26	ND<50	5.0	SPL
MW-5	04/29/97	165.14	16.74	---	148.40	340	530	ND<5.0	ND<5.0	ND<5.0	ND<50	4.8	SPL
MW-5	08/21/97	165.14	18.26	---	146.88	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.9	SPL
MW-5	11/05/97	165.14	18.84	---	146.30	120	13	ND<1.0	ND<1.0	ND<1.0	ND<10	4.4	SPL
MW-5	02/03/98	165.14	9.49	---	155.65	ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	4.3	SPL
MW-5	05/28/98	165.14	13.57	---	151.57	4900	1500	34	180	311	ND<10	4.1	SPL
MW-5	12/30/98	165.14	14.65	---	150.49	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-5	02/02/99	165.14	12.56	—	152.58	100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	9.1	—	SPL
MW-5	05/10/99	165.14	13.36	—	151.78	—	—	—	—	—	—	—	—
MW-5	08/24/99	165.14	13.50	—	151.64	—	—	—	—	—	—	—	—
MW-5	11/03/99	165.14	18.48	—	146.66	—	—	—	—	—	—	—	—
MW-5	03/01/00	165.14	9.59	—	155.55	ND<50	ND<0.5	0.58	ND<0.5	0.54	2.9	—	PAGE
MW-5	04/21/00	165.14	13.52	—	151.62	—	—	—	—	—	—	—	—
MW-5	07/31/00	165.14	14.04	—	151.10	—	—	—	—	—	—	—	—
MW-5	11/20/00	165.14	15.89	—	149.25	—	—	—	—	—	—	—	—
MW-5	02/18/01	165.14	11.88	—	153.26	560	161	2.38	6.11	13	5.67	—	PAGE
MW-5	06/07/01	165.14	15.30	—	149.84	—	—	—	—	—	—	—	—
MW-5	09/05/01	165.14	19.32	—	145.82	—	—	—	—	—	—	—	—
MW-5	11/30/01	165.14	17.44	—	147.70	—	—	—	—	—	—	—	—

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-6	07/09/90	165.40	---	---	---	ND	ND	ND	ND	ND	---	---	---
MW-6	12/21/90	165.40	---	---	---	0.17	2.6	7.0	4.9	26	---	---	---
MW-6 (e)	03/07/91	165.40	---	---	---	---	---	---	---	---	---	---	---
MW-6 (e)	06/27/91	165.40	---	---	---	---	---	---	---	---	---	---	---
MW-6 (e)	09/27/91	165.40	---	---	---	---	---	---	---	---	---	---	---
MW-6	12/18/91	165.40	---	---	---	ND	1.3	22	ND	2.7	---	---	---
MW-6	04/01/91	165.40	11.79	---	153.61	ND	ND	ND	ND	ND	---	---	---
MW-6	07/03/92	165.40	17.77	---	147.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
MW-6	10/05/92	165.40	19.46	---	145.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
MW-6	01/13/93	165.40	11.34	---	154.06	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	PACE
MW-6	04/23/93	165.40	12.92	---	152.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	PACE
MW-6	07/12/93	165.40	17.36	---	148.04	ND<50	ND<0.5	ND<0.5	ND<0.5	0.7	ND<5.0	(i)	PACE
MW-6	10/21/93	165.40	19.98	---	145.42	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	PACE
MW-6	01/21/94	165.40	18.10	---	147.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	PACE
MW-6	04/20/94	165.40	18.68	---	146.72	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	17.4	(i)	PACE
MW-6	08/01/94	165.40	18.90	---	146.50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8.66	(i)	PACE
MW-6	12/23/94	165.40	12.94	---	152.46	---	---	---	---	---	---	---	---
MW-6	01/26/95	165.40	10.46	---	154.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---	7.3	ATI
MW-6	06/08/95	165.40	16.84	---	148.56	---	---	---	---	---	---	---	---
MW-6	08/22/95	165.40	19.48	---	145.92	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	(d)	ATI
MW-6	10/27/95	165.40	20.39	---	145.01	---	---	---	---	---	---	---	---
MW-6	01/25/96	165.40	12.24	---	153.16	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	9.9	---	CEI
MW-6	04/19/96	165.40	13.90	---	151.50	---	---	---	---	---	---	---	---
MW-6	07/23/96	165.40	17.83	---	147.57	---	---	---	---	---	---	---	---
MW-6	11/11/96	165.40	18.90	---	146.50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	7.7	SPL
MW-6	01/21/97	165.40	11.97	---	153.43	---	---	---	---	---	---	---	---
MW-6	04/29/97	165.40	17.04	---	148.36	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.5	SPL
MW-6	08/21/97	165.40	18.58	---	146.82	---	---	---	---	---	---	---	---
MW-6	11/05/97	165.40	19.17	---	146.23	70	ND<0.5	ND<1.0	ND<1.0	ND<1.0	85	4.3	SPL
MW-6	02/03/98	165.40	9.87	---	155.53	---	---	---	---	---	---	---	---
MW-6	05/28/98	165.40	13.38	---	152.02	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	3.7	SPL
MW-6	12/30/98	165.40	14.45	---	150.95	---	---	---	---	---	---	---	---
MW-6	02/02/99	165.40	18.29	---	147.11	---	---	---	---	---	---	---	---
MW-6	05/10/99	165.40	17.49	---	147.91	---	---	---	---	---	---	---	---
MW-6	08/24/99	165.40	17.61	---	147.79	---	---	---	---	---	---	---	---
MW-6	11/03/99	165.40	16.26	---	149.14	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-6	03/01/00	165.40	17.43	---	147.97	---	---	---	---	---	---	---	---
MW-6	04/21/00	165.40	13.32	---	152.08	---	---	---	---	---	---	---	---
MW-6	07/31/00	165.40	13.46	---	151.94	---	---	---	---	---	---	---	---
MW-6	11/20/00	165.40	14.78	---	150.62	---	---	---	---	---	---	---	---
MW-6	02/18/01	165.40	11.33	---	154.07	---	---	---	---	---	---	---	---
MW-6	06/07/01	165.40	16.36	---	149.04	---	---	---	---	---	---	---	---
MW-6	09/05/01	165.40	18.61	---	146.79	---	---	---	---	---	---	---	---
MW-6	11/30/01	165.40	15.20	---	150.20	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-7	07/09/90	167.61	--	--	--	ND	ND	ND	ND	ND	--	--	--
MW-7	12/21/90	167.61	--	--	--	ND	ND	ND	ND	ND	--	--	--
MW-7	03/07/91	167.61	19.04	--	148.57	ND	ND	0.4	0.3	2.4	--	--	--
MW-7	06/27/91	167.61	--	--	--	70	17	4	0.8	2.2	--	--	--
MW-7	09/27/91	167.61	--	--	--	ND	0.4	ND	ND	0.4	--	--	--
MW-7	12/18/91	167.61	--	--	--	ND	0.7	2.9	0.8	3.3	--	--	--
MW-7	04/01/91	167.61	15.18	--	152.43	ND	ND	ND	ND	ND	--	--	--
MW-7	07/03/92	167.61	20.28	--	147.33	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	ANA
MW-7	10/05/92	167.61	21.56	--	146.05	ND<50	ND<0.5	ND<0.5	ND<0.5	1.5	--	--	ANA
MW-7	01/13/93	167.61	15.41	--	152.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	(i)	PACE
MW-7	04/23/93	167.61	15.84	--	151.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	(i)	PACE
MW-7	07/12/93	167.61	19.84	--	147.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	PACE
MW-7	10/21/93	167.61	21.61	--	146.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	(i)	PACE
MW-7	01/21/94	167.61	20.49	--	147.12	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	PACE
QC-1 (c)	01/21/94	--	--	--	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	PACE
MW-7	04/20/94	167.61	20.54	--	147.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	1.5 PACE
MW-7	08/01/94	167.61	20.99	--	146.62	ND<50	0.7	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(i)	1.9 PACE
MW-7	12/23/94	167.61	15.00	--	152.61	--	--	--	--	--	--	--	--
MW-7	01/26/95	167.61	14.69	--	152.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	7.0	ATI
MW-7	06/08/95	167.61	19.87	--	147.74	--	--	--	--	--	--	--	--
MW-7	08/22/95	167.61	21.49	--	146.12	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	(d)	6.4 ATI
MW-7	10/27/95	167.61	22.53	--	145.08	--	--	--	--	--	--	--	--
MW-7	01/25/96	167.61	17.21	--	150.40	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	--	CEI
MW-7	04/19/96	167.61	17.09	--	150.52	--	--	--	--	--	--	--	--
MW-7	07/23/96	167.61	21.02	--	146.59	--	--	--	--	--	--	--	--
MW-7	11/11/96	167.61	22.03	--	145.58	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	7.8	SPL
MW-7	01/21/97	167.61	15.06	--	152.55	--	--	--	--	--	--	--	--
MW-7	04/29/97	167.61	20.11	--	147.50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.4	SPL
MW-7	08/21/97	167.61	21.59	--	146.02	--	--	--	--	--	--	--	--
MW-7	11/05/97	167.61	20.05	--	147.56	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.4	SPL
MW-7	02/03/98	167.61	9.97	--	157.64	--	--	--	--	--	--	--	SPL
MW-7	05/28/98	167.61	13.52	--	154.09	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.3	SPL
MW-7	12/30/98	167.61	18.33	--	149.28	--	--	--	--	--	--	--	--
MW-7	02/02/99	167.61	12.33	--	149.28	--	--	--	--	--	--	--	--
MW-7	05/10/99	167.61	13.52	--	154.09	--	--	--	--	--	--	--	--
MW-7	08/24/99	167.61	14.01	--	153.60	--	--	--	--	--	--	--	--

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-7	11/03/99	167.61	19.91	---	147.70	---	---	---	---	---	---	---	---
MW-7	03/01/00	167.61	19.89	---	147.72	---	---	---	---	---	---	---	---
MW-7	04/21/00	167.61	17.94	---	149.67	---	---	---	---	---	---	---	---
MW-7	07/31/00	167.61	17.33	---	150.28	---	---	---	---	---	---	---	---
MW-7	11/20/00	167.61	18.41	---	149.20	---	---	---	---	---	---	---	---
MW-7	02/18/01	167.61	15.13	---	152.48	---	---	---	---	---	---	---	---
MW-7	06/07/01	167.61	18.75	---	148.86	---	---	---	---	---	---	---	---
MW-7	09/05/01	167.61	20.48	---	147.13	---	---	---	---	---	---	---	---
MW-7	11/30/01	167.61	20.11	---	147.50	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-8	03/07/91	165.74	16.72	—	149.02	2.7	780	450	64	310	—	—	—
MW-8	06/27/91	165.74	—	—	—	12000	3400	1100	240	750	—	—	—
MW-8	09/27/91	165.74	—	—	—	41	5700	5200	1100	4300	—	—	—
MW-8	12/18/91	165.74	—	—	—	3.2	990	150	120	250	—	—	—
MW-8	04/01/91	165.74	12.54	—	153.20	15000	3600	2600	410	1900	—	—	—
MW-8	07/03/92	165.74	18.78	—	146.96	72000	19000	32000	3000	15000	—	—	ANA
MW-8	10/05/92	165.74	20.48	0.01	145.27	—	—	—	—	—	—	—	—
MW-8	01/13/93	165.74	12.87	0.01	152.88	—	—	—	—	—	—	—	—
MW-8	04/23/93	165.74	13.90	SHEEN	151.84	—	—	—	—	—	—	—	—
MW-8	07/12/93	165.74	18.30	SHEEN	147.44	—	—	—	—	—	—	—	—
MW-8	10/21/93	165.74	21.91	0.95	144.54	—	—	—	—	—	—	—	—
MW-8	01/21/94	165.74	19.12	0.03	146.64	—	—	—	—	—	—	—	—
MW-8	04/20/94	165.74	19.28	0.03	146.48	26000	1700	4100	960	4000	632	(i) 1.1	PACE
MW-8	08/01/94	165.74	—	—	—	—	—	—	—	—	—	—	—
MW-8	12/23/94	165.74	13.81	0.03	151.95	—	—	—	—	—	—	—	—
MW-8	01/26/95	165.74	—	—	—	—	—	—	—	—	—	—	—
MW-8	06/08/95	165.74	17.82	0.29	148.14	—	—	—	—	—	—	—	—
MW-8	08/22/95	165.74	19.41	0.20	146.48	—	—	—	—	—	—	—	—
MW-8	10/27/95	165.74	20.47	0.14	145.38	—	—	—	—	—	—	—	—
MW-8	01/25/96	165.74	13.35	0.22	152.56	—	—	—	—	—	—	—	—
MW-8	04/19/96	165.74	14.40	0.20	151.49	—	—	—	—	—	—	—	—
MW-8	07/23/96	165.74	18.35	0.14	147.50	—	—	—	—	—	—	—	—
MW-8	11/11/96	165.74	19.41	0.02	146.35	—	—	—	—	—	—	—	—
MW-8	01/21/97	165.74	12.29	0.01	153.46	—	—	—	—	—	—	—	—
MW-8 (e)	04/29/97	165.74	—	—	—	—	—	—	—	—	—	—	—
MW-8	08/21/97	165.74	19.61	—	146.13	240000	1100	9300	4100	31100	ND<1000	5.2	SPL
MW-8	11/05/97	165.74	19.45	0.10	146.37	57000	790	2700	2300	15200	ND<1000	5.0	SPL
MW-8	02/03/98	165.74	9.33	0.03	156.43	—	—	—	—	—	—	—	—
MW-8	02/04/98	—	—	—	—	94000	570	1500	2100	15200	ND<2500	5.5	SPL
MW-8 (e)	05/28/98	165.74	—	—	—	—	—	—	—	—	—	—	—
MW-8	12/30/98	165.74	15.48	0.05	150.30	120000	460	2300	2200	15000	150	—	SPL
MW-8	02/02/99	165.74	18.29	—	147.45	82000	450	2200	3700	26000	ND<500	—	SPL
MW-8	05/10/99	165.74	15.62	—	150.12	28000	740	1800	1100	5800	ND<25	—	SPL
MW-8	08/24/99	165.74	18.41	—	147.33	75000	530	1400	3300	21000	150	—	SPL
MW-8	11/03/99	165.74	18.71	—	147.03	70000	600	1300	3600	20500	750	—	PACE



TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-8	03/01/00	165.74	19.37	—	146.37	27000	1600	1200	2600	6600	120	—	PACE
MW-8 (e)	04/21/00	165.74	—	—	—	—	—	—	—	—	—	—	—
MW-8 (e)	07/31/00	165.74	—	—	—	—	—	—	—	—	—	—	—
MW-8	11/20/00	165.74	17.42	—	148.32	1300000	1400	1700	20000	16000	5700	—	PACE
MW-8 (e)	02/18/01	165.74	—	—	—	—	—	—	—	—	—	—	—
MW-8 (e)	06/07/01	165.74	—	—	—	—	—	—	—	—	—	—	—
MW-8 (j)	09/05/01	165.74	21.45	0.04	144.32	—	—	—	—	—	—	—	—
MW-8 (h)	11/30/01	165.74	18.31	—	147.43	—	—	—	—	—	—	—	—
MW-8 (e)	12/06/01	165.74	—	—	—	—	—	—	—	—	—	—	—

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-9	03/07/91	166.20	16.79	—	149.41	7.1	220	4	2.4	2400	—	—	—
MW-9	06/27/91	166.20	—	—	—	3600	520	400	85	310	—	—	—
MW-9	09/27/91	166.20	—	—	—	3.2	720	150	50	180	—	—	—
MW-9	12/18/91	166.20	—	—	—	ND	2.5	1.1	0.3	5.8	—	—	—
MW-9	04/01/91	166.20	12.89	—	153.31	12000	2000	2600	360	1600	—	—	—
MW-9	07/03/92	166.20	18.89	—	147.31	5700	17000	840	230	800	—	—	ANA
MW-9	10/05/92	166.20	20.52	—	145.68	1400	440	17	14	100	—	—	ANA
MW-9	01/13/93	166.20	12.92	—	153.28	11000	1200	1700	340	1400	—	(i)	PACE
QC-1 (c)	01/13/93	—	—	—	—	11000	1200	1600	330	1300	—	(i)	PACE
MW-9	04/23/93	166.20	14.08	—	152.12	24000	2800	4500	730	3400	—	(i)	PACE
MW-9	07/12/93	166.20	18.44	—	147.76	13000	1400	1100	360	1400	20.8	(i)	PACE
QC-1 (c)	07/12/93	—	—	—	—	10000	1200	900	310	1200	—	—	PACE
MW-9	10/21/93	166.20	21.81	0.89	145.06	—	—	—	—	—	—	—	—
MW-9	01/21/94	166.20	19.28	—	146.92	—	—	—	—	—	—	—	—
MW-9	04/20/94	166.20	19.72	—	146.48	43000	2800	6800	1300	7900	768	(i)	PACE
QC-1 (c)	04/20/94	—	—	—	—	45000	2700	6800	1200	8200	740	(d)	PACE
MW-9	08/01/94	166.20	20.18	0.05	146.06	—	—	—	—	—	—	—	—
MW-9	12/23/94	166.20	14.22	0.02	152.00	—	—	—	—	—	—	—	—
MW-9	01/26/95	166.20	11.85	0.13	154.45	—	—	—	—	—	—	—	—
MW-9	06/08/95	166.20	18.33	0.80	148.47	—	—	—	—	—	—	—	—
MW-9	08/22/95	166.20	19.95	0.01	146.26	—	—	—	—	—	—	—	—
MW-9	10/27/95	166.20	20.88	0.01	145.33	—	—	—	—	—	—	—	—
MW-9	01/25/96	166.20	13.84	0.07	152.41	—	—	—	—	—	—	—	—
MW-9 (e)	04/19/96	166.20	—	—	—	—	—	—	—	—	—	—	—
MW-9	07/23/96	166.20	18.84	0.03	147.38	—	—	—	—	—	—	—	—
MW-9	11/11/96	166.20	19.91	0.01	146.30	—	—	—	—	—	—	—	—
MW-9	01/21/97	166.20	12.93	0.01	153.28	—	—	—	—	—	—	—	—
MW-9	04/29/97	166.20	18.03	SHEEN	148.17	—	—	—	—	—	—	—	—
MW-9	04/30/97	166.20	—	—	—	78000	1900	3600	3100	20600	ND<5000	5.5	SPL
MW-9	08/21/97	166.20	19.56	0.01	146.65	110000	2100	3400	2300	18800	ND<500	5.1	SPL
MW-9	11/05/97	166.20	20.59	0.01	145.62	59000	1400	1700	2200	17000	ND<500	4.5	SPL
MW-9	02/03/98	166.20	10.56	—	155.64	55000	490	1200	1400	10200	ND<1000	4.9	SPL
MW-9	05/28/98	166.20	14.21	0.01	152.00	41000	250	1200	1500	11400	ND<250	3.8	SPL
QC-1 (c)	05/28/98	—	—	—	—	53000	290	830	1400	10500	ND<500	—	SPL
MW-9	12/30/98	166.20	15.61	—	150.59	83000	860	1300	2400	21000	180	—	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-9	02/02/99	166.20	12.33	—	153.87	75000	530	960	1900	17000	ND<50	—	SPL
MW-9	05/10/99	166.20	15.67	—	150.53	22000	600	1500	1100	4400	72	—	SPL
MW-9	08/24/99	166.20	19.10	—	147.10	85000	850	1300	1700	20000	ND<250	—	SPL
MW-9	11/03/99	166.20	19.58	—	146.62	72000	700	780	1900	19000	ND<5.0	—	PACE
MW-9	03/01/00	166.20	13.19	—	153.01	34000	78	490	1100	8200	63	—	PACE
MW-9	04/21/00	166.20	14.29	—	151.91	55000	260	920	1500	16000	ND<5.0	—	PACE
MW-9	07/31/00	166.20	15.01	—	151.19	1200000	1500	6300	15000	120000	1600	—	PACE
MW-9	11/20/00	166.20	18.23	—	147.97	320000	3500	19000	5000	40000	3900	—	PACE
MW-9	02/18/01	166.20	13.14	—	153.06	32000	290	417	1180	10400	121	—	PACE
MW-9	06/07/01	166.20	17.41	—	148.79	96000	421	704	2330	17300	223	—	PACE
MW-9	09/05/01	166.20	20.56	—	145.64	39000	445	323	1240	8940	310	—	PACE
MW-9	11/30/01	166.20	17.42	—	148.78	60000	310	586	1890	14200	285	—	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-10	03/07/91	167.01	18.09	—	148.92	1.6	120	190	32	230	—	—	—
MW-10	06/27/91	167.01	—	—	—	12000	7300	500	150	300	—	—	—
MW-10	09/27/91	167.01	—	—	—	57	12000	7200	1400	4600	—	—	—
MW-10	12/18/91	167.01	—	—	—	5.3	2500	120	36	79	—	—	—
MW-10	04/01/91	167.01	13.92	—	153.09	ND	ND	ND	ND	ND	—	—	—
MW-10	07/03/92	167.01	19.92	—	147.09	8600	5100	1300	180	690	—	—	ANA
MW-10	10/05/92	167.01	21.92	0.19	145.23	—	—	—	—	—	—	—	—
MW-10	01/13/93	167.01	14.43	0.03	152.60	—	—	—	—	—	—	—	—
MW-10	04/23/93	167.01	15.26	0.06	151.80	—	—	—	—	—	—	—	—
MW-10	07/12/93	167.01	19.78	0.45	147.57	—	—	—	—	—	—	—	—
MW-10	10/21/93	167.01	22.90	0.69	144.63	—	—	—	—	—	—	—	—
MW-10	01/21/94	167.01	20.25	0.06	146.81	—	—	—	—	—	—	—	—
MW-10	04/20/94	167.01	20.74	—	146.27	100000	12000	24000	2400	14000	1577	(d)(i) 1.0	PACE
MW-10	08/01/94	167.01	22.00	0.28	145.22	—	—	—	—	—	—	—	—
MW-10	12/23/94	167.01	16.08	0.25	151.12	—	—	—	—	—	—	—	—
MW-10	01/26/95	167.01	13.68	0.80	153.93	—	—	—	—	—	—	—	—
MW-10	06/08/95	167.01	19.08	0.75	148.49	—	—	—	—	—	—	—	—
MW-10	08/22/95	167.01	20.73	0.70	146.81	—	—	—	—	—	—	—	—
MW-10	10/27/95	167.01	21.69	0.63	145.79	—	—	—	—	—	—	—	—
MW-10	01/25/96	167.01	15.05	0.81	152.57	—	—	—	—	—	—	—	—
MW-10	04/19/96	167.01	16.26	0.58	151.19	—	—	—	—	—	—	—	—
MW-10	07/23/96	167.01	20.18	0.62	147.30	—	—	—	—	—	—	—	—
MW-10	11/11/96	167.01	21.20	0.20	145.96	—	—	—	—	—	—	—	—
MW-10	01/21/97	167.01	13.66	0.14	153.46	—	—	—	—	—	—	—	—
MW-10	04/29/97	167.01	18.71	0.21	148.46	—	—	—	—	—	—	—	—
MW-10	04/30/97	167.01	—	—	—	170000	9700	38000	4700	30500	ND<5000	5.6	SPL
MW-10	08/21/97	167.01	20.19	0.14	146.93	170000	9500	35000	4300	27100	ND<5000	5.3	SPL
MW-10	11/05/97	167.01	20.52	0.02	146.51	80000	3800	12000	2700	15700	ND<500	4.4	SPL
MW-10	02/03/98	167.01	10.62	0.01	156.40	—	—	—	—	—	—	—	—
MW-10	02/04/98	—	—	—	—	72000	500	1300	1700	12000	ND<1000	5.1	SPL
MW-10	05/28/98	167.01	15.46	—	151.55	220000	3200	24000	5200	43000	ND<1000	4.8	SPL
MW-10	12/30/98	167.01	16.65	—	150.36	110000	3500	14000	5800	50000	ND<50	—	SPL
MW-10	02/02/99	167.01	14.58	—	152.43	74000	1000	2800	1000	26000	860	—	SPL
MW-10	05/10/99	167.01	15.72	—	151.29	81000	2800	2800	3000	17000	220	—	SPL
MW-10	08/24/99	167.01	19.85	—	147.16	54000	3500	3800	1500	9100	ND<250	—	SPL
MW-10	11/03/99	167.01	20.00	—	147.01	30000	3000	3500	1200	5000	31	—	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-10	03/01/00	167.01	14.62	--	152.39	62000	320	1200	1100	26000	4400	--	PACE
MW-10	04/21/00	167.01	15.46	--	151.55	88000	2700	7400	3700	35000	2400	--	PACE
MW-10 (e)	07/31/00	167.01	--	--	--	--	--	--	--	--	--	--	--
MW-10	11/20/00	167.01	18.74	--	148.27	78000	3800	5500	2800	13000	450	--	PACE
MW-10	02/18/01	167.01	14.10	--	152.91	39000	1050	1160	1550	14700	4180	--	PACE
MW-10	06/07/01	167.01	18.78	--	148.23	76000	2460	2840	3330	20700	635	--	PACE
MW-10	09/05/01	167.01	21.40	0.01	145.62	25000	2510	2070	1090	4540	189	--	PACE
MW-10	11/30/01	167.01	18.50	--	148.51	100000	2480	5720	3890	22800	325	--	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB	
RW-1	07/09/90	168.01	—	1.21	—	—	—	—	—	—	—	—	—	
RW-1	12/21/90	168.01	—	0.01	—	—	—	—	—	—	—	—	—	
RW-1	03/07/91	168.01	17.62	SHEEN	150.39	—	—	—	—	—	—	—	—	
RW-1	06/27/91	168.01	—	0.04	—	—	—	—	—	—	—	—	—	
RW-1	09/27/91	168.01	—	0.02	—	—	—	—	—	—	—	—	—	
RW-1	12/18/91	168.01	—	0.02	—	—	—	—	—	—	—	—	—	
RW-1	04/01/91	168.01	14.40	0.11	153.69	—	—	—	—	—	—	—	—	
RW-1	07/03/92	168.01	20.66	SHEEN	147.35	—	—	—	—	—	—	—	—	
RW-1	10/05/92	168.01	23.34	0.08	144.73	—	—	—	—	—	—	—	—	
RW-1	01/13/93	168.01	16.59	0.05	151.46	—	—	—	—	—	—	—	—	
RW-1	04/23/93	168.01	16.17	0.18	151.98	—	—	—	—	—	—	—	—	
RW-1	07/12/93	168.01	20.18	0.06	147.88	—	—	—	—	—	—	—	—	
RW-1	10/21/93	168.01	25.70	0.56	142.73	—	—	—	—	—	—	—	—	
RW-1	01/21/94	168.01	21.24	0.40	147.07	—	—	—	—	—	—	—	—	
RW-1	04/20/94	168.01	32.20	—	135.81	—	—	—	—	—	—	—	—	
RW-1	08/01/94	168.01	21.70	—	146.31	29000	580	950	300	7800	1200	(d)	1.1	PACE
RW-1	12/23/94	168.01	16.02	—	151.99	1300	25	8.6	1.4	69	616	(i)	1.8	PACE
RW-1	01/26/95	168.01	13.78	—	154.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	—	—	—	ATI
QC-1 (c)	01/26/95	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	—	—	—	ATI
RW-1	06/08/95	168.01	20.05	—	147.96	1300	130	ND<1.0	ND<1.0	36	—	—	—	ATI
RW-1	08/22/95	168.01	21.74	—	146.27	3300	230	13	4.9	280	ND<25	(d)	6.6	ATI
QC-1 (c)	08/22/95	—	—	—	—	2800	210	9.3	4.3	250	ND<25	(d)	—	ATI
RW-1	10/27/95	168.01	32.00	—	136.01	—	—	—	—	—	—	—	—	—
RW-1	10/30/95	168.01	—	—	—	230	1.4	ND<1.0	ND<1.0	ND<2.0	650	6.9	—	ATI
QC-1 (c)	10/30/95	—	—	—	—	240	1.6	ND<1.0	ND<1.0	ND<2.0	630	—	—	ATI
RW-1	01/25/96	168.01	15.41	—	152.60	15000	3400	930	330	2500	5300	—	—	CEI
RW-1	04/19/96	168.01	16.83	—	151.18	35000	5500	3300	1700	9400	14000	7.6	—	SPL
QC-1 (c)	04/19/96	—	—	—	—	33000	5600	3200	1700	8800	15000	—	—	SPL
RW-1	07/23/96	168.01	20.76	—	147.25	46000	3600	2300	900	5100	36000	7.4	—	SPL
QC-1 (c)	07/23/96	—	—	—	—	47000	3700	2500	930	5300	35000	—	—	SPL
RW-1	11/11/96	168.01	21.73	—	146.28	34000	3000	1200	880	4600	22000	8.3	—	SPL
QC-1 (c)	11/11/96	—	—	—	—	31000	2900	1000	860	4600	22000	—	—	SPL
RW-1	01/21/97	168.01	14.20	—	153.81	260	40	16	2.7	34	1500	6.1	—	SPL
QC-1 (c)	01/21/97	—	—	—	—	270	42	17	2.7	36	1500	—	—	SPL
RW-1	04/29/97	168.01	19.15	—	148.86	32000	3100	590	1300	6000	46000	5.3	—	SPL
RW-1	08/21/97	168.01	20.67	—	147.34	7600	730	58	370	1780	9500	4.7	—	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
RW-1	11/05/97	168.01	21.01	---	147.00	39000	2300	86	1300	3840	56000	4.5	SPL
RW-1	02/03/98	168.01	10.68	---	157.33	3400	31	11	29	161	3200	5.1	SPL
RW-1	05/28/98	168.01	15.55	---	152.46	2000	90	15	60	305	2700	4.3	SPL
RW-1	12/30/98	168.01	17.35	---	150.66	---	---	---	---	---	---	---	---
RW-1	02/02/99	168.01	14.58	---	153.43	82000	2300	120	2000	3200	51000/78000 (g)	---	SPL
RW-1	05/10/99	168.01	16.00	---	152.01	15000	620	88	340	660	61000	---	SPL
RW-1	08/24/99	168.01	20.00	---	148.01	52000	1400	170	2200	2900	37000	---	SPL
RW-1	11/03/99	168.01	20.39	---	147.62	17000	2500	86	1500	970	54000	---	PACE
RW-1	03/01/00	168.01	12.97	---	155.04	17000	580	78	790	1100	13000	---	PACE
RW-1	04/21/00	168.01	16.02	---	151.99	31000	2100	100	1400	1100	39000	---	PACE
RW-1	07/31/00	168.01	21.89	---	146.12	47000	1300	170	2700	2300	30000	---	PACE
RW-1 (h)	11/20/00	168.01	19.15	---	148.86	---	---	---	---	---	---	---	---
RW-1	02/18/01	168.01	15.35	---	152.66	14000	589	89	600	712	13000	---	PACE
RW-1	06/07/01	168.01	19.09	---	148.92	28000	1140	68.2	504	530	19100	---	PACE
RW-1 (i)	09/05/01	168.01	22.06	0.02	145.97	---	---	---	---	---	---	---	PACE
RW-1	11/30/01	168.01	19.53	---	148.48	20000	405	39.4	545	740	8260	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
QC-2 (f)	10/05/92	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
QC-2 (f)	01/13/93	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	PACE
QC-2 (f)	04/23/93	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	PACE
QC-2 (f)	07/12/93	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2 (f)	10/21/93	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2 (f)	01/21/94	---	---	---	---	ND<50	ND<0.5	2.1	ND<0.5	2.1	---	---	PACE
QC-2 (f)	04/20/94	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2 (f)	04/20/94	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2 (f)	12/23/94	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ATI
QC-2 (f)	01/26/95	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	ATI
QC-2 (f)	06/08/95	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	ATI
QC-2 (f)	08/22/95	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	(d)	ATI
QC-2 (f)	10/30/95	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	ATI
QC-2 (f)	01/25/96	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	CEI
QC-2 (f)	04/19/96	---	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	SPL



TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITERING

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
DO	Dissolved oxygen
ug/L	Micrograms per liter
ppm	Parts per million
—	Not analyzed/available/applicable/measurable
ND	Not detected above reported detection limit
PACE	Pace, Inc.
ANA	Anametrix, Inc.
ATI	Analytical Technologies, Inc.
CEI	Ceimic Corporation
SPL	Southern Petroleum Laboratories

NOTES:

- (a) Casing elevations surveyed to the nearest 0.01 foot relative to mean sea level.
- (b) Groundwater elevations adjusted assuming a specific gravity of 0.75 for free product.
- (c) Blind duplicate.
- (d) A copy of the documentation for this data is included in Alisto report 10-024-10-001.
- (e) Well inaccessible.
- (f) Travel blank.
- (g) EPA Methods 8020/8260 used.
- (h) Unable to sample.
- (i) A copy of the documentation for this data can be found in Blaine Tech Services report 010607-M-3. MTBE data for the January 13, 1993 and April 23, 1993 sampling events has been destroyed. No chromatograms could be located for MTBE data from wells MW-5, MW-6, and MW-7, sampled on October 21, 1993.
- (j) Well not sampled due to presence of SPH.
- (k) Could not purge and sample; Waste drum full.



**Pace Analytical Services, Inc.**  
900 Gemini Avenue  
Houston, TX 77058  
Phone: 281.488.1810  
Fax: 281.488.4661

December 06, 2001

Ms. Cindy Magyar  
Blaine Tech Services, Inc.  
1680 Rogers Ave.  
San Jose, CA 95112

RE: Lab Project Number: 8524715  
Client Project ID: BP Site 11132

Dear Ms. Magyar:

Enclosed are the analytical results for sample(s) received by the laboratory on December 4, 2001. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Paula Kirtley  
pkirtley@pacelabs.com  
Project Manager

Enclosures

## **REPORT OF LABORATORY ANALYSIS**

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Blaine Tech Services, Inc.  
1680 Rogers Ave.  
San Jose, CA 95112

Lab Project Number: 8524715  
Client Project ID: BP Site 11132

Attn: Ms. Cindy Magyar  
Phone:

Lab Sample No: 851722208      Project Sample Number: 8524715-001      Date Collected: 11/30/01 15:43  
Client Sample ID: MW-2 (11132)      Matrix: Water      Date Received: 12/04/01 09:10

Parameters	Results	Units	Report Limit	Dilution	Analyzed	CAS No.	Ftnote	Reg Lim
<b>GC Volatiles</b>								
GAS by Mod 8015, Water      Prep/Method: EPA 8015 Modified / EPA 8015 Modified								
Gasoline Range Organics	120000	ug/l	25000	500	12/04/01 23:21	LJAS		
1,4-Difluorobenzene (S)	97	%		1.0	12/04/01 23:21	LJAS		
4-Bromofluorobenzene (S)	93	%		1.0	12/04/01 23:21	LJAS 460-00-4		
SW8021 Aromatics, Water      Prep/Method: See analytical meth / EPA 8021								
Benzene	7270	ug/l	250.	500	12/04/01 23:21	LJAS 71-43-2		
Ethylbenzene	4590	ug/l	250.	500	12/04/01 23:21	LJAS 100-41-4		
Toluene	6540	ug/l	250.	500	12/04/01 23:21	LJAS 108-88-3		
Xylene (Total)	23000	ug/l	750.	500	12/04/01 23:21	LJAS 1330-20-7		
Methyl-tert-butyl ether	794.	ug/l	250.	500	12/04/01 23:21	LJAS 1634-04-4		
1,4-Difluorobenzene (S)	100	%		1.0	12/04/01 23:21	LJAS		
4-Bromofluorobenzene (S)	96	%		1.0	12/04/01 23:21	LJAS 460-00-4		

## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 8524715  
Client Project ID: BP Site 11132

Lab Sample No: 851722210      Project Sample Number: 8524715-002      Date Collected: 11/30/01 15:21  
Client Sample ID: MW-9 (11132)      Matrix: Water      Date Received: 12/04/01 09:10

Parameters	Results	Units	Report Limit	Dilution	Analyzed	CAS No.	Ftnote	Reg Limit
<b>GC Volatiles</b>								
GAS by Mod 8015; Water      Prep/Method: EPA 8015 Modified / EPA 8015 Modified								
Gasoline Range Organics	60000	ug/l	2500	50.0	12/05/01 13:54	LJAS		
1,4-Difluorobenzene (S)	106	%		1.0	12/05/01 13:54	LJAS		
4-Bromofluorobenzene (S)	106	%		1.0	12/05/01 13:54	LJAS	460-00-4	
SW8021 Aromatics, Water      Prep/Method: See analytical meth / EPA 8021								
Benzene	310.	ug/l	25.0	50.0	12/05/01 13:54	LJAS	71-43-2	
Ethylbenzene	1890	ug/l	25.0	50.0	12/05/01 13:54	LJAS	100-41-4	
Toluene	586.	ug/l	25.0	50.0	12/05/01 13:54	LJAS	108-88-3	
Xylene (Total)	14200	ug/l	75.0	50.0	12/05/01 13:54	LJAS	1330-20-7	
Methyl-tert-butyl ether	285.	ug/l	25.0	50.0	12/05/01 13:54	LJAS	1634-04-4	
1,4-Difluorobenzene (S)	103	%		1.0	12/05/01 13:54	LJAS		
4-Bromofluorobenzene (S)	100	%		1.0	12/05/01 13:54	LJAS	460-00-4	

## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 8524715  
Client Project ID: BP Site 11132

Lab Sample No: 851722211      Project Sample Number: 8524715-003      Date Collected: 11/30/01 13:11  
Client Sample ID: MW-10 (11132)      Matrix: Water      Date Received: 12/04/01 09:10

Parameters	Results	Units	Report Limit	Dilution	Analyzed	CAS No.	Ftnote	Reg Limit
<b>GC Volatiles</b>								
GAS by Mod 8015; Water      Prep/Method: EPA 8015 Modified / EPA 8015 Modified								
Gasoline Range Organics	100000	ug/l	5000	100	12/05/01 14:14	LJAS		
1,4-Difluorobenzene (S)	102	%		1.0	12/05/01 14:14	LJAS		
4-Bromofluorobenzene (S)	100	%		1.0	12/05/01 14:14	LJAS	460-00-4	
SW8021 Aromatics, Water      Prep/Method: See analytical meth / EPA 8021								
Benzene	2480	ug/l	50.0	100	12/05/01 14:14	LJAS	71-43-2	
Ethylbenzene	3890	ug/l	50.0	100	12/05/01 14:14	LJAS	100-41-4	
Toluene	5720	ug/l	50.0	100	12/05/01 14:14	LJAS	108-88-3	
Xylene (Total)	22800	ug/l	150.	100	12/05/01 14:14	LJAS	1330-20-7	
Methyl-tert-butyl ether	325.	ug/l	50.0	100	12/05/01 14:14	LJAS	1634-04-4	
1,4-Difluorobenzene (S)	101	%		1.0	12/05/01 14:14	LJAS		
4-Bromofluorobenzene (S)	99	%		1.0	12/05/01 14:14	LJAS	460-00-4	

## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 8524715  
Client Project ID: BP Site 11132

Lab Sample No: 851722212      Project Sample Number: 8524715-004      Date Collected: 11/30/01 14:44  
Client Sample ID: RW-1 (11132)      Matrix: Water      Date Received: 12/04/01 09:10

Parameters	Results	Units	Report Limit	Dilution	Analyzed	CAS No.	Ftnote	Reg Limit
<b>GC Volatiles</b>								
GAS by Mod 8015, Water      Prep/Method: EPA 8015 Modified / EPA 8015 Modified								
Gasoline Range Organics	20000	ug/l	2500	50.0	12/04/01 23:01	LJAS		
1,4-Difluorobenzene (S)	106	%		1.0	12/04/01 23:01	LJAS		
4-Bromofluorobenzene (S)	93	%		1.0	12/04/01 23:01	LJAS 460-00-4		
SW8021 Aromatics, Water      Prep/Method: See analytical meth / EPA 8021								
Benzene	405.	ug/l	25.0	50.0	12/04/01 23:01	LJAS 71-43-2		
Ethylbenzene	545.	ug/l	25.0	50.0	12/04/01 23:01	LJAS 100-41-4		
Toluene	39.4	ug/l	25.0	50.0	12/04/01 23:01	LJAS 108-88-3		
Xylene (Total)	740.	ug/l	75.0	50.0	12/04/01 23:01	LJAS 1330-20-7		
Methyl-tert-butyl ether	8260	ug/l	25.0	50.0	12/04/01 23:01	LJAS 1634-04-4		
1,4-Difluorobenzene (S)	104	%		1.0	12/04/01 23:01	LJAS		
4-Bromofluorobenzene (S)	96	%		1.0	12/04/01 23:01	LJAS 460-00-4		

## REPORT OF LABORATORY ANALYSIS

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**Pace Analytical Services, Inc.**

900 Gemini Avenue  
Houston, TX 77058

Phone: 281.488.1810

Fax: 281.488.4661

Lab Project Number: 8524715

Client Project ID: BP Site 11132

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**PARAMETER FOOTNOTES**

ND Not Detected

NC Not Calculable

(S) Surrogate

Date: 12/06/01

Page: 5

**REPORT OF LABORATORY ANALYSIS**

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**QUALITY CONTROL DATA**

Lab Project Number: 8524715  
Client Project ID: BP Site 11132

QC Batch: 61062      Analysis Method: EPA 8021  
QC Batch Method: See analytical meth      Analysis Description: SW8021 Aromatics, Water  
Associated Lab Samples:      851722208      851722210      851722211      851722212

METHOD BLANK: 851722314  
Associated Lab Samples:      851722208      851722210      851722211      851722212

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Benzene	ug/l	ND	0.500	
Ethylbenzene	ug/l	ND	0.500	
Toluene	ug/l	ND	0.500	
Xylene (Total)	ug/l	ND	1.50	
Methyl-tert-butyl ether	ug/l	ND	0.500	
1,4-Difluorobenzene (S)	%	98		
4-Bromofluorobenzene (S)	%	95		

LABORATORY CONTROL SAMPLE: 851722315

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Benzene	ug/l	50	42.15	84	
Ethylbenzene	ug/l	50	48.06	96	
Toluene	ug/l	50	46.67	93	
Xylene (Total)	ug/l	100	97.34	97	
Methyl-tert-butyl ether	ug/l	50	42.31	85	
1,4-Difluorobenzene (S)				103	
4-Bromofluorobenzene (S)				96	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851722316 851722317

Parameter	Units	851722213	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Benzene	ug/l	0	50.00	40.78	40.10	82	80	2	
Ethylbenzene	ug/l	0	50.00	44.95	44.34	90	89	1	
Toluene	ug/l	0	50.00	44.16	43.41	88	87	2	
Xylene (Total)	ug/l	0	100.00	90.70	89.50	91	90	1	

**REPORT OF LABORATORY ANALYSIS**

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Lab Project Number: 8524715  
Client Project ID: BP Site 11132

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851722316 851722317

<u>Parameter</u>	<u>Units</u>	<u>851722213</u> <u>Result</u>	<u>Spike</u> <u>Conc.</u>	<u>MS</u> <u>Result</u>	<u>MSD</u> <u>Result</u>	<u>MS</u> <u>% Rec</u>	<u>MSD</u> <u>% Rec</u>	<u>RPD</u>	<u>Footnotes</u>
Methyl-tert-butyl ether	ug/l	448.1	50.00	525.1	521.8	154	147	1	
1,4-Difluorobenzene (S)						101	101		
4-Bromofluorobenzene (S)						96	97		

Comments : Due to high analyte concentration the matrix spike and/or matrix spike duplicate do not provide reliable % Recovery and RPD values. Sample results for this QC batch were accepted based on LCS/LCSD % Recovery and/or RPD values.

**REPORT OF LABORATORY ANALYSIS**

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QUALITY CONTROL DATA

Lab Project Number: 8524715  
Client Project ID: BP Site 11132

QC Batch: 61063	Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 8015 Modified	Analysis Description: GAS by Mod 8015, Water
Associated Lab Samples: 851722208	851722210 851722211 851722212

METHOD BLANK: 851722318  
Associated Lab Samples: 851722208 851722210 851722211 851722212

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Gasoline Range Organics	ug/l	ND	50.	
1,4-Difluorobenzene (S)	%	98		
4-Bromofluorobenzene (S)	%	92		

LABORATORY CONTROL SAMPLE: 851722319

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Gasoline Range Organics	ug/l	1000	1006	101	
1,4-Difluorobenzene (S)				102	
4-Bromofluorobenzene (S)				100	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851722320 851722321

Parameter	Units	851722214 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Gasoline Range Organics	ug/l	4284	10000	11220	12290	69	80	9	
1,4-Difluorobenzene (S)						100	98		
4-Bromofluorobenzene (S)						99	100		

Comments : Due to high analyte concentration the matrix spike and/or matrix spike duplicate do not provide reliable % Recovery and RPD values. Sample results for this QC batch were accepted based on LCS/LCSD % Recovery and/or RPD values.

## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 8524715

Client Project ID: BP Site 11132

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**QUALITY CONTROL DATA PARAMETER FOOTNOTES**

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D) Laboratory Control Sample (Duplicate)

MS(D) Matrix Spike (Duplicate)

DUP Sample Duplicate

ND Not Detected

NC Not Calculable

RPD Relative Percent Difference

(S) Surrogate

**REPORT OF LABORATORY ANALYSIS**

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# CHAIN OF CUSTODY

CONSULTANT'S NAME Blaine Tech Services, Inc.		CONSULTANT'S ADDRESS 1680 Rogers Ave., San Jose CA 95112			
BP SITE NUMBER 11132	BP SITE / FACILITY ADDRESS 3201 85th Avenue, Oakland			CONSULTANT PROJECT NUMBER <u>011130-20-3</u>	
CONSULTANT PROJECT MANAGER Scott Boor		PHONE NUMBER (408) 573-0555 x 223	FAX NUMBER (408) 573-7771		CONSULTANT CONTRACT NUMBER <b>J588474</b>
BP CONTACT Scott Hooton	BP ADDRESS 295 SW 41st Street, Suite N, Renton WA		PHONE NUMBER (425) 251-0689	FAX NO. (425) 251-0736	
LAB CONTACT Pace - Paula Kirtley	LABORATORY ADDRESS 900 Gemini Ave., Houston, TX 77058		PHONE NUMBER (281) 488-1810	FAX NO. (281) 488-4661	
BP CONTACT REQUESTING RUSH TAT (Print BP Contact Name)		RUSH REQUESTED OF (Print Consultant Contact Name)		DATE/TIME	SHIPMENT DATE

TAT:  24 HOURS    48 HOURS    72 HOURS    Standard 7 or 14 Days

ANALYSIS REQUIRED

AIRBILL NUMBER

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS		PRESERVATIVE	TPH-G + BTEX / MTBE (8015M)	TPH-D (8015M)	FUEL OXYGENATES (8260)	1,2 DCA + EDB (8010)									COMMENTS	
				NO.	TYPE (VOL)	LAB SAMPLE #														
MW-2	11/20/01	1543	W	3	WAX	HCL	X													851722 208
MW-9	↓	1521	↓	↓	↓	↓	X													10
MW-10	↓	1311	↓	↓	↓	↓	X													11
RW-1	↓	1444	↓	↓	↓	↓	X													12

SAMPLED BY (Please Print Name) <u>Shawn O'Bryan</u>			SAMPLED BY (Signature) <u>[Signature]</u>				ADDITIONAL COMMENTS				
RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY / AFFILIATION (Print Name / Signature)	(Print)	DATE	TIME					
<u>Shawn O'Bryan / Airborne</u>	<u>12/3/01</u>	<u>1315</u>	<u>AIRBORNE EXPRESS</u>		<u>12/3/01</u>	<u>1315</u>					
	<u>12/4/01</u>	<u>0910</u>	<u>Tracy moody / Pace</u>		<u>12/4/01</u>	<u>0910</u>					

December 18, 2001

Ms. Cindy Magyar  
Blaine Tech Services, Inc.  
1680 Rogers Ave.  
San Jose, CA 95112

RE: Lab Project Number: 8524936  
Client Project ID: BP Site 11132

Dear Ms. Magyar:

Enclosed are the analytical results for sample(s) received by the laboratory on December 12, 2001. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,



Paula Kirtley  
pkirtley@pacelabs.com  
Project Manager

Enclosures

## **REPORT OF LABORATORY ANALYSIS**

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**Pace Analytical Services, Inc.**  
 900 Gemini Avenue  
 Houston, TX 77058  
 Phone: 281.488.1810  
 Fax: 281.488.4661

Blaine Tech Services, Inc.  
 1680 Rogers Ave.  
 San Jose, CA 95112

Lab Project Number: 8524936  
 Client Project ID: BP Site 11132

Attn: Ms. Cindy Magyar  
 Phone:

Lab Sample No: 851723688      Project Sample Number: 8524936-001      Date Collected: 12/06/01 16:16  
 Client Sample ID: MW-1 (11132)      Matrix: Water      Date Received: 12/12/01 09:10

Parameters	Results	Units	Report Limit	Dilution	Analyzed	CAS No.	Ftnote	Reg Limi
<b>GC Volatiles</b>								
GAS by Mod 8015, Water      Prep/Method: EPA 8015 Modified / EPA 8015 Modified								
Gasoline Range Organics	39000	ug/l	1200	25.0	12/13/01 22:53	WRIC		
1,4-Difluorobenzene (S)	97	%		1.0	12/13/01 22:53	WRIC		
4-Bromofluorobenzene (S)	93	%		1.0	12/13/01 22:53	WRIC	460-00-4	
SW8021 Aromatics, Water      Prep/Method: See analytical meth / EPA 8021								
Benzene	3500	ug/l	12.5	25.0	12/13/01 22:53	WRIC	71-43-2	
Ethylbenzene	2150	ug/l	12.5	25.0	12/13/01 22:53	WRIC	100-41-4	
Toluene	237	ug/l	12.5	25.0	12/13/01 22:53	WRIC	108-88-3	
Xylene (Total)	4500	ug/l	25.0	25.0	12/13/01 22:53	WRIC	1330-20-7	
Methyl-tert-butyl ether	5400	ug/l	12.5	25.0	12/13/01 22:53	WRIC	1634-04-4	
1,4-Difluorobenzene (S)	100	%		1.0	12/13/01 22:53	WRIC		
4-Bromofluorobenzene (S)	99	%		1.0	12/13/01 22:53	WRIC	460-00-4	

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Lab Project Number: 8524936

Client Project ID: BP Site 11132

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**PARAMETER FOOTNOTES**

ND Not Detected  
NC Not Calculable  
(S) Surrogate

**REPORT OF LABORATORY ANALYSIS**

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QUALITY CONTROL DATA

Lab Project Number: 8524936  
Client Project ID: BP Site 11132

QC Batch: 63029  
QC Batch Method: See analytical meth  
Associated Lab Samples: 851723688  
Analysis Method: EPA 8021  
Analysis Description: SW8021 Aromatics, Water

METHOD BLANK: 851730144  
Associated Lab Samples: 851723688

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Benzene	ug/l	ND	0.500	
Ethylbenzene	ug/l	ND	0.500	
Toluene	ug/l	ND	0.500	
Xylene (Total)	ug/l	ND	1.00	
Methyl-tert-butyl ether	ug/l	ND	0.500	
1,4-Difluorobenzene (S)	%	97		
4-Bromofluorobenzene (S)	%	99		

LABORATORY CONTROL SAMPLE: 851730145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Benzene	ug/l	50	51.12	102	
Ethylbenzene	ug/l	50	49.73	100	
Toluene	ug/l	50	49.25	98	
Xylene (Total)	ug/l	100	98.70	99	
Methyl-tert-butyl ether	ug/l	50	53.20	106	
1,4-Difluorobenzene (S)				98	
4-Bromofluorobenzene (S)				101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851730146 851730147

Parameter	Units	851723656 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Benzene	ug/l	0.5315	50.00	49.53	52.75	98	104	6	
Ethylbenzene	ug/l	0	50.00	48.29	51.85	97	104	7	
Toluene	ug/l	0	50.00	47.43	50.98	95	102	7	
Xylene (Total)	ug/l	0	100.00	95.75	102.9	96	103	7	

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Lab Project Number: 8524936

Client Project ID: BP Site 11132

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851730146 851730147

Parameter	Units	851723656 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Methyl-tert-butyl ether	ug/l	0	50.00	49.91	52.76	100	106	6	
1,4-Difluorobenzene (S)						98	98		
4-Bromofluorobenzene (S)						100	100		

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Lab Project Number: 8524936  
Client Project ID: BP Site 11132

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### QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D) Laboratory Control Sample (Duplicate)  
MS(D) Matrix Spike (Duplicate)  
DUP Sample Duplicate  
ND Not Detected  
NC Not Calculable  
RPD Relative Percent Difference  
(S) Surrogate

## REPORT OF LABORATORY ANALYSIS

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# CHAIN OF CUSTODY

CONSULTANT'S NAME: Blaine Tech Services, Inc.  
 CONSULTANT'S ADDRESS: 1680 Rogers Ave., San Jose CA 95112

BP SITE NUMBER: 11132  
 BP SITE / FACILITY ADDRESS: 3201 35th Avenue, Oakland  
 CONSULTANT PROJECT NUMBER: 011206-50-2

CONSULTANT PROJECT MANAGER: ~~Scott Boor~~ Cindy Maggard  
 PHONE NUMBER: (408) 573-0555 x 223  
 FAX NUMBER: (408) 573-7771  
 CONSULTANT CONTRACT NUMBER: J588474

BP CONTACT: Scott Hooton  
 BP ADDRESS: 295 SW 41st Street, Suite N, Renton WA  
 PHONE NUMBER: (425) 251-0689  
 FAX NO.: (425) 251-0736

LAB CONTACT: Pace - Paula Kirtley  
 LABORATORY ADDRESS: 900 Gemini Ave., Houston, TX 77058  
 PHONE NUMBER: (281) 488-1810  
 FAX NO.: (281) 488-4661

BP CONTACT REQUESTING RUSH TAT (Print BP Contact Name):  
 RUSH REQUESTED OF (Print Consultant Contact Name):  
 DATE/TIME: SHIPMENT DATE: SHIPMENT METHOD:

TAT:  24 HOURS  48 HOURS  72 HOURS  Standard 7 or 14 Days  
 ANALYSIS REQUIRED: AIRBILL NUMBER:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS		PRESERVATIVE	TPH-G + BTEX / MTBE (8015M)	TPH-D (8015M)	FUEL OXYGENATES (8020)	1,2-DCA + EDB (8010)									COMMENTS	
				NO.	TYPE (VOL)	LAB SAMPLE #														
MW-1	12/6/01	1616	w	3	UOA	HCL	X													85172.3688

SAMPLED BY (Please Print Name): ~~Shawn O'Bryan~~ Shawn O'Bryan  
 SAMPLED BY (Signature): Shawn O'Bryan

RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY / AFFILIATION (Print Name / Signature)	DATE	TIME
AIRBORNE	12/11/01	1320	AIRBORNE EXPRESS	12/11/01	1320
			Janet Me 4:40	12/12/01	0910

ADDITIONAL COMMENTS:

## WELL GAUGING DATA

Project # 011206-80-2 Date 12/6/01 Client BP

Site 11132 3201 35<sup>th</sup> Ave

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2		18.45	.27		18.72	114.26	TOC	
MW-8	2	well inaccessible				—	—	TOC	

## BP WELL MONITORING DATA SHEET

Project #: 011206-50-2	Station # 11132
Sampler: O'Bryan	Date: 12/6/01
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8
Total Well Depth: 44.26	Depth to Water: 18.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: Bailer  
 Disposable Bailer  
 Middleburg  
 Electric Submersible  
 Extraction Pump  
 Other: \_\_\_\_\_

Sampling Method: Bailer  
 Disposable Bailer  
 Extraction Port  
 Other: \_\_\_\_\_

4.0	X		=	12.0	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
					Bailed ~ 16 gallons of SPH + H <sub>2</sub> O.
					No parameters taken due to SPH levels that could damage equipment.

Did well dewater? Yes  No  Gallons actually evacuated: 16 per bail, 19 total

Sampling Time: 1616 Sampling Date: 12/6/01

Sample I.D. (Blind): Laboratory: Pace Other: \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## BP WELL MONITORING DATA SHEET

Project #: <u>011206-80-2</u>	Station # <u>11132</u>
Sampler: <u>Q Bryan</u>	Date: <u>12/6/87</u>
Well I.D.: <u>MW-8</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>NA</u>	Depth to Water: <u>NA</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method:	Sampling Method:
<input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Middleburg <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	<input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____

_____	X	_____	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
					<i>Well Packed Over. Unable to sample</i>

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: _____	
Sampling Time: _____	Sampling Date: _____	
Sample I.D. (Blind): _____	Laboratory: Pace Other _____	
Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____		
D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

# WELL GAUGING DATA

Project # D1130-50-3

Date 11/30/01

Client BP

Site 11132

3201 38th Ave, Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
MW-1	2		20.44	.41		20.25	44.20	TOC
* MW-2	2					19.58	31.45	↓
MW-3	2					16.94	34.22	
MW-4	2					21.30	38.98	
MW-5	2					17.44	30.43	
MW-6	2					15.20	34.35	
MW-7	2					20.11	34.30	
* MW-8	2	Well Inaccessible				18.31	—	
* MW-9	2	Parked Over?				18.50	—	
* MW-10	2					17.42	29.25	
RW-1	6					18.50	33.84	
						19.53	38.37	
* Skimmer taken out for gauging								



## BP WELL MONITORING DATA SHEET

Project #: <u>01130-S0-3</u>	Station # <u>1132</u>
Sampler: <u>O' Bryan</u>	Date: <u>11/30/01</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>2</u> 3 4 6 8 <u>    </u>
Total Well Depth: <u>44.26</u>	Depth to Water: <u>20.85</u>
Depth to Free Product: <u>20.44</u>	Thickness of Free Product (feet): <u>.41</u>
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: Bailer      Sampling Method: Bailer

Disposable Bailer       ~~Disposable Bailer~~  
 ~~Middleburg~~       Extraction Port  
 Electric Submersible      Other: \_\_\_\_\_  
 Extraction Pump  
 Other: \_\_\_\_\_

_____	X	_____	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
					<u>Bailed x 1000 ml of FP w/ x 2.5 gallons of H<sub>2</sub>O.</u>
					<u>No samples taken.</u>

Did well dewater? Yes  No       Gallons actually evacuated: \_\_\_\_\_

Sampling Time: \_\_\_\_\_      Sampling Date: 11/30/01

Sample I.D. (Blind): \_\_\_\_\_      Laboratory: Pace Other: \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## BP WELL MONITORING DATA SHEET

Project #: <u>011130-SD-3</u>	Station # <u>11132</u>
Sampler: <u>O' Bryan</u>	Date: <u>11/30/01</u>
Well I.D.: <u>MW-2</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>31.45</u>	Depth to Water: <u>19.58</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u>	Sampling Method: <u>Bailer</u>
<u>Disposable Bailer</u>	<u>Disposable Bailer</u>
<del>Middleburg</del>	Extraction Port
<u>Electric Submersible</u>	Other: _____
Extraction Pump	
Other: _____	

<u>1.9</u>	x	<u>3</u>	=	<u>5.7</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1535	64.8	6.4	1605	2	Grey
1537	65.9	6.4	1762	4	clearing
1539	66.8	6.4	1687	6	clear

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>6</u>		
Sampling Time: <u>1543</u>	Sampling Date: <u>11/30/01</u>		
Sample I.D. (Blind): <u>MW-2</u>	Laboratory: <u>Pace</u> Other _____		
Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MTBE</u> TPH-D Other:			
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

### BP WELL MONITORING DATA SHEET

Project #: <u>01130-20-3</u>	Station # <u>1132</u>
Sampler: <u>O' Bryan</u>	Date: <u>11/30/01</u>
Well I.D.: <u>MW-8</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method:	Sampling Method:
<input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> <u>Middleburg</u> <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	<input type="checkbox"/> Bailer <input checked="" type="checkbox"/> <u>Disposable Bailer</u> <input type="checkbox"/> Extraction Port Other: _____

_____	X	_____	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
		<u>Well inaccessible</u>			

Did well dewater? Yes <input type="checkbox"/> No <input type="checkbox"/>	Gallons actually evacuated: _____	
Sampling Time: _____	Sampling Date: <u>11/30/01</u>	
Sample I.D. (Blind): _____	Laboratory: <u>Pace</u> Other: _____	
Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MTBE</u> TPH-D Other: _____		
D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

## BP WELL MONITORING DATA SHEET

Project #: <u>01130-S0-3</u>	Station # <u>1132</u>
Sampler: <u>O' Bryan</u>	Date: <u>11/30/01</u>
Well I.D.: <u>MW-9</u>	Well Diameter: <u>(2)</u> 3 4 6 8 ____
Total Well Depth: <u>29.25</u>	Depth to Water: <u>17.42</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u>	Sampling Method: <u>Bailer</u>
<u>Disposable Bailer</u>	<u>Disposable Bailer</u>
<del>Middleburg</del>	Extraction Port
<u>Electric Submersible</u>	Other: _____
Extraction Pump	
Other: _____	

<u>1.9</u>	X	<u>3</u>	=	<u>5.7</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>1513</u>	<u>66.9</u>	<u>6.6</u>	<u>1020</u>	<u>2</u>	<u>Grey</u>
<u>1515</u>	<u>67.2</u>	<u>6.6</u>	<u>940</u>	<u>4</u>	<u>↓</u>
<u>1517</u>	<u>67.6</u>	<u>6.6</u>	<u>955</u>	<u>6</u>	<u>↓</u>

Did well dewater? Yes  No  Gallons actually evacuated: 6

Sampling Time: 1521 Sampling Date: 11/30/01

Sample I.D. (Blind): MW-9 Laboratory: Pace Other: \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## BP WELL MONITORING DATA SHEET

Project #: <u>011130-SD-3</u>	Station # <u>11152</u>
Sampler: <u>O' Bryan</u>	Date: <u>11/30/01</u>
Well I.D.: <u>MW-10</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>33.84</u>	Depth to Water: <u>18.50</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI <sup>5</sup> HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: Bailer      Sampling Method: Bailer

Disposable Bailer       Disposable Bailer  
 Middletown       Extraction Port  
 Electric Submersible      Other: \_\_\_\_\_  
 Extraction Pump

Other: \_\_\_\_\_

<u>2.5</u>	x	<u>3</u>	=	<u>7.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1303	64.2	6.7	1574	2.5	Gray
1305	65.0	6.6	1253	5	Clearing
1307	65.3	6.6	1221	7.5	
* Some product found in sampling bailer. No detection on Interphase probe.					

Did well dewater? Yes  No       Gallons actually evacuated: 7.5

Sampling Time: 1311      Sampling Date: 11/30/01

Sample I.D. (Blind): MW-10      Laboratory: Pace      Other: \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D      Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## BP WELL MONITORING DATA SHEET

Project #: <u>011130-S0-3</u>	Station # <u>11132</u>
Sampler: <u>O' Bryan</u>	Date: <u>11/30/01</u>
Well I.D.: <u>RW-1</u>	Well Diameter: <del>3</del> 4 <u>6</u> 8
Total Well Depth: <u>38.37</u>	Depth to Water: <u>19.53</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u> Disposable Bailer <del>Middleburg</del> Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> <del>Disposable Bailer</del> Extraction Port Other: _____
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<u>27.7</u>	X	<u>3</u>	=	<u>83.1</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1435	65.0	7.2	850	27.5	Somewhat clear, Black Flakes, slight sheen
1439	68.6	6.6	481	55	Black, Heavy Sheen
* No more room for purge water (unfit for truck tank) See field notes					

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>53 (ca)</u>
Sampling Time: <u>1444</u>	Sampling Date: <u>11/30/01</u>
Sample I.D. (Blind):	Laboratory: <u>Pace</u> Other: _____

Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MTBE</u> TPH-D Other:
D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L
O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV