



Scott T. Hooton
Portfolio Manager

BP Exploration & Oil Inc.
295 SW 41st Street
Bldg. 13, Ste. "N"
Renton, Washington 98055

Phone: (425) 251-0689
Fax: 425-251-0736
Internet: hootonst@bp.com

A BP Amoco Group Company

October 30, 2000

Alameda County Health Care Services Agency
Attention Ms. Susan Hugo
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502-6577

RE: Former BP Oil Site No. 11126
1700 Powell Street (at Christie)
Emeryville, CA

RO #66

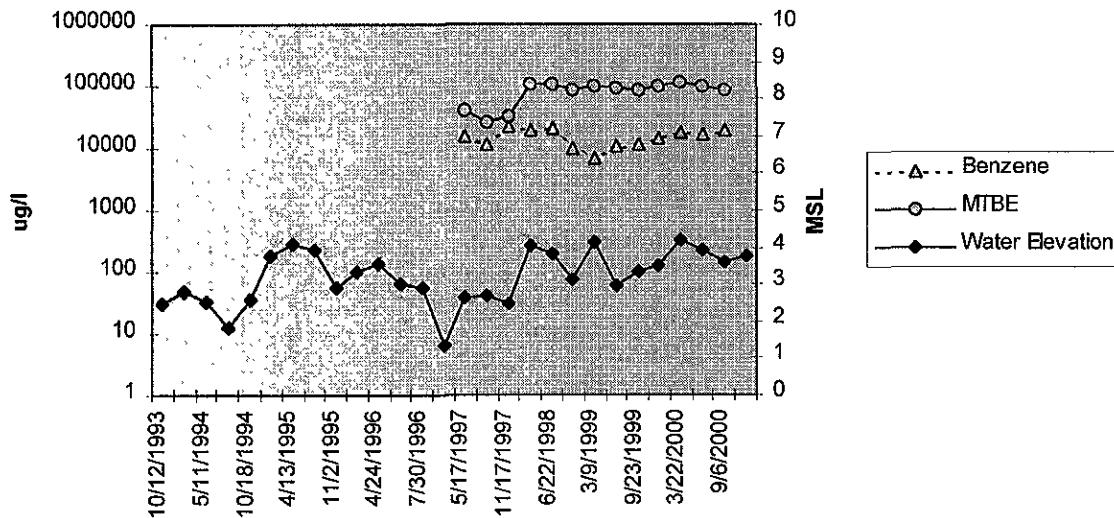
NOV 2 2 4:56 PM
ENVIRONMENTAL PROTECTION

Dear Ms. Hugo:

Enclosed find the 10 October 2000 *Third Quarter 2000 Groundwater Monitoring* report prepared on behalf of BP by Blaine Tech Services. The report summarizes chemical data obtained since 1992, including results associated with samples obtained on 6 September 2000.

The enclosed report shows that the liquid petroleum hydrocarbon previously documented in well MW-9 has not been found in measurable accumulations since 1996. On 6 September 2000, MTBE and other aromatic hydrocarbons were detected in samples obtained from wells MW-1, MW-2 and MW-9, with the highest concentrations associated with well MW-9. Water elevation, benzene, and MTBE data for MW-9 shown below.

MW-9 Benzene, MTBE & Water Elevation



Please give me a call at (425) 251-0689 if you have any comments or questions regarding this matter.

Sincerely,



Scott Hooton

attachment

cc: site file
D. Camille - Tosco (w/attachment)

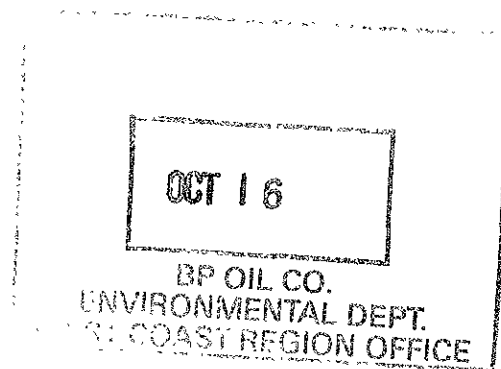
BLAINE
TECH SERVICES, INC.



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

October 10, 2000

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



3rd Quarter 2000 Monitoring at 11126

Third Quarter 2000 Groundwater Monitoring
BP Service Station Number 11126
1700 Powell St.
Emeryville, CA

Monitoring Performed on September 6 and 15, 2000

Groundwater Sampling Report 000906-R-2

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.

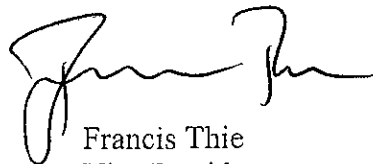
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The **Professional Engineering Appendix** contains a **Groundwater Elevation Map** and a **Dissolved Petroleum Hydrocarbon Concentration Map**.

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,

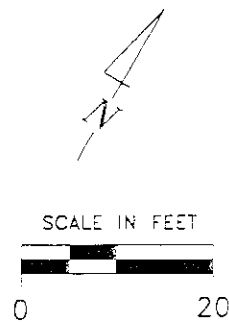
A handwritten signature in black ink, appearing to read "Francis Thie". The signature is fluid and cursive, with a large initial "F" and "T".

Francis Thie
Vice President

FPT/cm

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

Professional Engineering Appendix



MW-6
2.50

FORMER
USED OIL UST

USED OIL UST

SERVICE
STATION
BUILDING

PLANTER

MW-8
3.98

MW-3
2.67

MW-2
3.82

MW-9
3.74

UNDERGROUND
FUEL TANKS

MW-1
2.03

MW-4
-0.08

DISPENSER
ISLANDS

MW-7
1.82

PLANTER

CHRISTIE AVENUE

POWELL STREET

MW-5
NA

- EXPLANATION**
- MONITORING WELL
 - 3.98 GROUNDWATER ELEVATION (FT, MSL)
 - 3 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
 - NA DATA NOT AVAILABLE
 - APPROXIMATE GROUNDWATER FLOW DIRECTION;
APPROXIMATE GRADIENT = 0.08

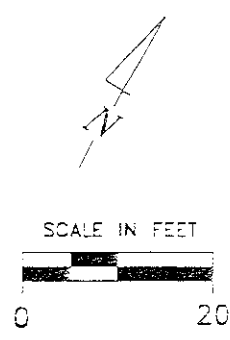


Ref. 11126am
Basemap from Alisto Engineering Group

PREPARED BY
RRM
engineering contracting firm

GROUNDWATER ELEVATION CONTOUR MAP,
SEPTEMBER 15, 2000
BP Oil Service Station No. 11126
1700 Powell Street
Emeryville, California

FIGURE:
1
PROJECT:
DAC04



MW-6
NA

FORMER
USED OIL UST

USED OIL UST

SERVICE
STATION
BUILDING

MW-2	
B	1200
T	5.5
E	12
X	170
TPHg	3700
MTBE	12000

MW-8
NA

MW-3
NA

MW-2

UNDERGROUND
FUEL TANKS

MW-9

MW-1

MW-4
NA

MW-9	
B	19000
T	280
E	2400
X	6400
TPHg	100000
MTBE	84000

MW-7
NA

PLANTER

CHRISTIE AVENUE

POWELL STREET

MW-5
NA

MW-1	
B	1000
T	13
E	57
X	90
TPHg	5600
MTBE	19000

- EXPLANATION**
- MONITORING WELL
 - TPHg TOTAL PETROLEUM HYDROCARBON CALCULATED AS GASOLINE IN PARTS PER BILLION (ppb)
 - B BENZENE, ppb
 - T TOLUENE, ppb
 - E ETHYLBENZENE, ppb
 - X XYLENE, ppb
 - MTBE METHYL-TERT-BUTYL-ETHER, ppb
 - NA DATA NOT AVAILABLE

Ref. 11126am
Basemap from Alisto Engineering Group

PREPARED BY

RRM
engineering contracting firm

HYDROCARBON CONCENTRATION MAP,
SEPTEMBER 6, 2000

BP Oil Service Station No. 11126
1700 Powell Street
Emeryville, California

FIGURE:
2

PROJECT:
DAC04

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)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-1	11/04/92	7.76	4.96	--	2.80	5300	--	1100	480	ND<0.5	1500	--	--	--	--	PACE
MW-1	10/12/93	7.76	5.26	--	2.50	3600	--	970	71	100	550	--	--	--	--	PACE
MW-1	02/15/94	7.76	4.98	--	2.78	17000	--	4200	510	360	1600	--	--	--	3.9	PACE
MW-1	05/11/94	7.76	4.55	--	3.21	5500	--	2900	37	56	64	--	--	--	8.0	PACE
MW-1	08/01/94	7.76	5.51	--	2.25	15000	--	3600	740	510	2800	9700	(d)	--	2.9	PACE
QC-1 (e)	08/01/94	--	--	--	--	16000	--	3600	750	510	2800	9800	(d)	--	--	PACE
MW-1	10/18/94	7.76	5.11	--	2.65	16000	--	1800	61	160	890	--	--	--	2.9	PACE
QC-1 (e)	10/18/94	--	--	--	--	16000	--	1900	64	170	950	--	--	--	--	PACE
MW-1	01/13/95	7.76	3.05	--	4.71	220	--	7	ND<0.5	1	23	--	--	--	6.6	ATI
QC-1 (e)	01/13/95	--	--	--	--	590	--	88	0.7	ND<0.5	55	--	--	--	--	ATI
MW-1	04/13/95	7.76	3.84	--	3.92	9300	--	4000	300	200	950	--	--	--	7.7	ATI
MW-1	07/11/95	7.76	3.60	--	4.16	15000	--	2200	84	ND<25	2500	--	--	--	8.8	ATI
MW-1	11/02/95	7.76	4.58	--	3.18	19000	--	920	ND<100	ND<100	430	52000	--	--	7.3	ATI
MW-1	02/05/96	7.76	4.43	--	3.33	4600	--	1400	330	54	247	8700	--	--	3.2	SPL
MW-1	04/24/96	7.76	4.00	--	3.76	2000	--	510	33	61	228	4500	--	--	7.5	SPL
MW-1	07/15/96	7.76	4.30	--	3.46	--	--	--	--	--	--	--	--	--	--	--
MW-1	07/16/96	7.76	--	--	--	12000	--	2800	170	390	1630	64000	--	--	7.9	SPL
QC-1 (e)	07/16/96	--	--	--	--	12000	--	2800	160	390	1610	63000	--	--	--	SPL
MW-1	07/30/96	7.76	4.64	--	3.12	--	--	--	--	--	--	--	--	--	--	--
MW-1	08/12/96	7.76	--	--	--	11000	--	2500	160	ND<10	1740	440000	--	--	7.0	SPL
MW-1	11/04/96	7.76	5.98	--	1.78	--	--	--	--	--	--	--	--	--	--	--
MW-1	11/05/96	7.76	--	--	--	53000	--	1300	43	100	349	42000/19000	(f)	--	6.6	SPL
MW-1	05/17/97	7.76	4.65	--	3.11	52000	--	1958	55	305	1216	140198	--	--	5.7	SPL
MW-1	08/11/97	7.76	4.90	--	2.86	25000	--	540	6.7	ND<5.0	57	360000	--	--	7.9	SPL
MW-1	11/17/97	7.76	6.12	--	1.64	93000	--	1200	31	180	40	400000	--	--	7.6	SPL
MW-1	01/29/98	7.76	4.90	--	2.86	4800	--	320	24	52	19.9	ND<50	--	--	6.6	SPL
MW-1	06/22/98	7.76	4.62	--	3.14	63000	--	180	ND<5.0	15	69	57000	--	--	6.0	--
MW-1	12/30/98	7.76	5.41	--	2.35	22000	--	2500	24	120	400	15000/13000	(f)	--	--	SPL
MW-1	03/09/99	7.76	3.40	--	4.36	16000	--	2000	84	290	510	13000	--	--	--	SPL
MW-1	06/23/99	7.76	4.60	--	3.16	9600	--	4500	21	160	260	24000	--	--	--	SPL
MW-1	09/23/99	7.76	4.21	--	3.55	3800	--	1600	32	150	240	7100	--	--	--	SPL
MW-1	12/28/99	7.76	4.10	--	3.66	3400	--	ND<2200	17	53	130	5500	--	--	--	PACE
MW-1	03/22/00	7.76	5.51	--	2.25	6400	--	1100	45	190	330	4900	--	--	--	PACE
MW-1	05/26/00	7.76	4.79	--	2.97	110000	--	700	44	140	250	320000	--	--	--	PACE
MW-1	09/06/00	7.76	5.19	--	2.57	5600	--	1000	13	57	90	19000	--	--	--	PACE
MW-1	09/15/00	7.76	5.73	--	2.03	--	--	--	--	--	--	--	--	--	--	--

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)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-2	11/04/92	8.56	5.88	--	2.68	12000	--	3900	1300	ND<0.5	2300	--	--	--	--	PACE
QC-1 (e)	11/04/92	--	--	--	--	12000	--	3200	980	ND<0.5	1900	--	--	--	--	PACE
MW-2	10/12/93	8.56	6.29	--	2.27	4500	--	3400	180	230	940	--	--	--	--	PACE
MW-2	02/15/94	8.56	5.56	--	3.00	2000	--	430	270	28	390	--	--	--	4.0	PACE
QC-1 (e)	02/15/94	--	--	--	--	1800	--	290	160	14	250	--	--	--	--	PACE
MW-2	05/11/94	8.56	5.17	--	3.39	14000	--	3900	1200	440	1900	--	--	--	8.9	PACE
QC-1 (e)	05/11/94	--	--	--	--	15000	--	5600	1500	470	2000	740	(d)	--	--	PACE
MW-2	08/01/94	8.56	5.43	--	3.13	8200	--	3000	420	230	680	--	--	--	2.6	PACE
MW-2	10/18/94	8.56	5.71	--	2.85	9000	--	2000	140	150	420	--	--	--	7.2	PACE
MW-2	01/13/95	8.56	4.67	--	3.89	7900	--	2200	42	ND<5	770	--	--	--	6.8	ATI
MW-2	04/13/95	8.56	4.37	--	4.19	33000	--	8000	2500	1100	6600	--	--	--	7.5	ATI
QC-1 (e)	04/13/95	--	--	--	--	25000	--	6500	1500	110	5300	--	--	--	--	ATI
MW-2	07/11/95	8.56	4.51	--	4.05	19000	--	3300	99	7.5	4600	--	--	--	7.8	ATI
QC-1 (e)	07/11/95	--	--	--	--	28000	--	6800	1000	900	4900	--	--	--	--	ATI
MW-2	11/02/95	8.56	5.55	--	3.01	20000	--	3800	1200	570	2700	15000	--	--	7.3	ATI
QC-1 (e)	11/02/95	--	--	--	--	22000	--	4000	1200	600	2700	19000	--	--	--	ATI
MW-2	02/05/96	8.56	5.10	--	3.46	1200	--	320	220	26	187	99	--	--	2.2	SPL
QC-1 (e)	02/05/96	--	--	--	--	910	--	290	180	19	137	93	--	--	--	SPL
MW-2	04/24/96	8.56	4.95	--	3.61	ND<500	--	70	22	ND<10	61	ND<50	--	--	7.0	SPL
QC-1 (e)	04/24/96	--	--	--	--	ND<500	--	100	30	ND<10	71	ND<100	--	--	--	SPL
MW-2	07/15/96	8.56	5.40	--	3.16	--	--	--	--	--	--	--	--	--	--	--
MW-2	07/16/96	8.56	--	--	--	12000	--	3300	1400	250	2610	1400	--	--	7.8	SPL
MW-2	07/30/96	8.56	5.44	--	3.12	--	--	--	--	--	--	--	--	--	--	--
MW-2	11/04/96	8.56	7.06	--	1.50	--	--	--	--	--	--	--	--	--	--	--
MW-2	11/05/96	8.56	--	--	--	7200	--	1400	230	38	2110	1100	--	--	7.4	SPL
QC-1 (e)	11/05/96	--	--	--	--	9200	--	1300	170	ND<25	2240	1100	--	--	--	SPL
MW-2	05/17/97	8.56	5.77	--	2.79	570	--	42	ND<5.0	5.0	60	210	--	--	6.9	SPL
MW-2	08/11/97	8.56	5.71	--	2.85	6300	--	1800	130	86	397	2400	--	--	8.5	SPL
MW-2	11/17/97	8.56	6.91	--	1.65	2400	--	220	30	33	259	130	--	--	7.9	SPL
MW-2	01/29/98	8.56	4.61	--	3.95	ND<50	--	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	--	--	6.2	SPL
MW-2	06/22/98	8.56	4.80	--	3.76	4200	--	640	150	120	650	560	--	--	5.4	SPL
MW-2	12/30/98	8.56	5.21	--	3.35	--	--	--	--	--	--	--	--	--	--	--
MW-2	06/23/99	8.56	5.30	--	3.26	--	--	--	--	--	--	--	--	--	--	--
MW-2	09/23/99	8.56	4.75	--	3.81	3800	--	760	19	210	960	910	--	--	--	SPL
MW-2	12/28/99	8.56	4.51	--	4.05	--	--	--	--	--	--	--	--	--	--	--
MW-2	03/22/00	8.56	4.21	--	4.35	2500	--	780	17	44	270	2800	--	--	--	PACE
MW-2	05/26/00	8.56	4.66	--	3.90	--	--	--	--	--	--	--	--	--	--	--
MW-2	09/06/00	8.56	4.71	--	3.85	3700	--	1200	5.5	12	170	12000	--	--	--	PACE
MW-2	09/15/00	8.56	4.74	--	3.82	--	--	--	--	--	--	--	--	--	--	--

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)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-3	11/04/92	8.25	6.38	---	1.87	200	690	1.6	ND<0.5	ND<0.5	1.1	---	ND<5000	ND	---	PACE
MW-3	10/12/93	8.25	5.84	---	2.41	270	2100	5.0	0.7	ND<0.5	2.6	---	ND<5000	ND	---	PACE
QC-1 (e)	10/12/93	---	---	---	---	150	---	5.6	0.6	ND<0.5	1.6	---	---	---	---	PACE
MW-3	02/15/94	8.25	6.60	---	1.65	140	2.3	5.7	ND<0.5	ND<0.5	ND<0.5	---	90	ND	3.9	PACE
MW-3	05/11/94	8.25	5.86	---	2.39	190	2500	2.7	1.9	ND<0.5	1.9	51	(d) ND<5000	ND	9.2	PACE
MW-3	08/01/94	8.25	6.13	---	2.12	120	1300	1.3	ND<0.5	0.5	1.1	---	ND<5000	ND	2.9	PACE
MW-3	10/18/94	8.25	6.39	---	1.86	100	2200	2.3	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	3.6	PACE
MW-3	01/13/95	8.25	5.47	---	2.78	ND<50	970	0.8	ND<0.5	ND<0.5	ND<1	---	---	ND	7.7	ATI
MW-3	04/13/95	8.25	5.17	---	3.08	530	ND<500	8.7	1.9	ND<0.5	3.9	---	2100	ND	8.4	ATI
MW-3	07/11/95	8.25	5.37	---	2.88	78	2100	0.57	ND<0.50	ND<0.50	ND<1.0	---	1900	ND	8.3	ATI
MW-3	11/02/95	8.25	6.29	---	1.96	250	2000	0.73	ND<0.50	ND<0.50	1.8	270	1400	ND	8.3	ATI
MW-3	02/05/96	8.25	5.80	---	2.45	ND<50	1600	ND<0.5	ND<1	ND<1	2.7	11	9000	ND	3.5	SPL
MW-3	04/24/96	8.25	5.69	---	2.56	ND<50	2800	ND<5	ND<10	ND<10	ND<10	150	6000	ND	8.6	SPL
MW-3	07/15/96	8.25	6.18	---	2.07	ND<250	3700	ND<2.5	ND<5	ND<5	ND<5	ND<50	1000	ND	7.7	SPL
MW-3	07/30/96	8.25	6.04	---	2.21	---	---	---	---	---	---	---	---	---	---	---
MW-3	11/04/96	8.25	7.84	---	0.41	---	---	---	---	---	---	---	---	---	---	---
MW-3	11/05/96	8.25	---	---	---	90	890	ND<0.5	ND<1.0	ND<1.0	ND<1.0	30	2000	ND	6.8	SPL
MW-3	05/17/97	8.25	6.49	---	1.76	ND<50	2100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	52	700	ND	6.3	SPL
MW-3	08/11/97	8.25	6.15	---	2.10	490	1900	ND<2.5	ND<5.0	ND<5.0	ND<5.0	170	ND<5000	ND	7.4	SPL
MW-3	11/17/97	8.25	7.15	---	1.10	120	2500	ND<0.5	ND<1.0	ND<1.0	ND<1.0	46	ND<5000	ND	7.0	SPL
MW-3	01/29/98	8.25	5.10	---	3.15	270	1700	0.53	ND<1.0	ND<1.0	ND<1.0	330	2000	ND	6.4	SPL
MW-3	06/22/98	8.25	5.50	---	2.75	200	2200	ND<0.5	ND<1.0	ND<1.0	ND<1.0	130	ND<5	ND	5.5	SPL
MW-3	12/30/98	8.25	6.68	---	1.57	---	---	---	---	---	---	---	---	---	---	---
MW-3	03/09/99	8.25	5.53	---	2.72	60	840	ND<1.0	ND<1.0	ND<1.0	ND<1.0	19	7600	---	---	SPL
MW-3	06/23/99	8.25	6.60	---	1.65	---	---	---	---	---	---	---	---	---	---	---
MW-3	09/23/99	8.25	6.17	---	2.08	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/28/99	8.25	6.00	---	2.25	---	---	---	---	---	---	---	---	---	---	---
MW-3	03/22/00	8.25	4.77	---	3.48	690	ND<58	4.2	3.1	0.81	2.7	2900	13000	---	---	PACE
MW-3	05/26/00	8.25	5.28	---	2.97	---	---	---	---	---	---	---	---	---	---	---
MW-3	09/15/00	8.25	5.58	---	2.67	---	---	---	---	---	---	---	---	---	---	---

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)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-4	11/04/92	8.12	6.66	---	1.46	340	---	4.5	ND<0.5	4.3	ND<0.5	---	---	---	---	PACE
MW-4	10/12/93	8.12	6.87	---	1.25	160	---	5.8	1.4	0.8	2.7	---	---	---	---	PACE
MW-4	02/15/94	8.12	6.61	---	1.51	110	---	4.4	0.7	ND<0.5	2.5	120	(d)	---	4.3	PACE
MW-4	05/11/94	8.12	5.89	---	2.23	120	---	0.5	0.8	ND<0.5	ND<0.5	140	(d)	---	9.3	PACE
MW-4	08/01/94	8.12	6.87	---	1.25	140	---	0.7	2.0	5.2	15	---	---	---	3.3	PACE
MW-4	10/18/94	8.12	6.62	---	1.50	140	---	3.5	ND<0.5	0.5	ND<0.5	---	---	---	3.0	PACE
MW-4	01/13/95	8.12	7.27	---	0.85	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	7.9	ATI
MW-4	04/13/95	8.12	6.51	---	1.61	73	---	1.2	ND<0.5	ND<0.5	ND<1	---	---	---	9.9	ATI
MW-4	07/11/95	8.12	6.21	---	1.91	82	---	0.57	ND<0.50	ND<0.50	ND<1.0	---	---	---	7.2	ATI
MW-4	11/02/95	8.12	6.78	---	1.34	71	---	1.4	0.96	0.99	2.8	140	---	---	8.6	ATI
MW-4	02/05/96	8.12	6.41	---	1.71	ND<50	---	ND<5	ND<10	ND<10	ND<10	200	---	---	4.4	SPL
MW-4	04/24/96	8.12	6.18	---	1.94	ND<250	---	ND<2.5	ND<5	ND<5	ND<5	510	---	---	8.3	SPL
MW-4	07/15/96	8.12	6.63	---	1.49	ND<50	---	5.7	ND<1	ND<1	ND<1	550	---	---	7.4	SPL
MW-4	07/30/96	8.12	6.34	---	1.78	---	---	---	---	---	---	---	---	---	---	---
MW-4	11/04/96	8.12	8.27	---	-0.15	---	---	---	---	---	---	---	---	---	---	---
MW-4	11/05/96	8.12	---	---	---	460	---	ND<2.5	11	ND<5.0	ND<5.0	620/610	(f)	---	7.3	SPL
MW-4	05/17/97	8.12	7.00	---	1.12	---	---	---	---	---	---	---	---	---	---	---
MW-4	08/11/97	8.12	6.81	---	1.31	---	---	---	---	---	---	---	---	---	---	---
MW-4	11/17/97	8.12	9.19	---	-1.07	840	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	880	---	---	7.3	SPL
MW-4	01/29/98	8.12	7.94	---	0.18	---	---	---	---	---	---	---	---	---	---	---
MW-4	06/22/98	8.12	7.49	---	0.63	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/30/98	8.12	8.21	---	-0.09	---	---	---	---	---	---	---	---	---	---	---
MW-4	03/09/99	8.12	7.70	---	0.42	1200	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2000	---	---	---	SPL
MW-4	06/23/99	8.12	8.81	---	-0.69	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/23/99	8.12	8.32	---	-0.20	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/28/99	8.12	8.21	---	-0.09	---	---	---	---	---	---	---	---	---	---	---
MW-4	03/22/00	8.12	6.74	---	1.38	910	---	ND<0.5	ND<0.5	0.54	1.7	3800	---	---	---	PACE
MW-4	05/26/00	8.12	5.13	---	2.99	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/15/00	8.12	8.20	---	-0.08	---	---	---	---	---	---	---	---	---	---	---

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)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-5	10/12/93	7.69	6.01	---	1.68	---	---	---	---	---	---	---	---	---	---	---
MW-5	10/13/93	7.69	---	---	---	2300	---	160	10	ND<0.5	26	---	---	---	---	PACE
MW-5	02/15/94	7.69	5.74	---	1.95	5100	---	710	16	33	35	100	(d)	---	4.0	PACE
MW-5	05/11/94	7.69	5.28	---	2.41	11000	---	1100	39	110	57	160	(d)	---	8.0	PACE
MW-5	08/01/94	7.69	5.84	---	1.85	9000	---	730	35	61	41	200	(d)	---	2.6	PACE
MW-5	10/18/94	7.69	6.01	---	1.68	7800	---	330	30	27	27	---	---	---	5.6	PACE
MW-5	01/13/95	7.69	4.74	---	2.95	ND<500	---	290	6	ND<5	18	---	---	---	6.8	ATI
MW-5	04/13/95	7.69	5.50	---	2.19	9100	---	400	15	52	27	---	---	---	7.4	ATI
MW-5	07/11/95	7.69	5.75	---	1.94	7300	---	390	13	28	23	---	---	---	7.2	ATI
MW-5	11/03/95	7.69	6.65	---	1.04	7200	---	270	15	38	23	200	---	---	8.4	ATI
MW-5	02/05/96	7.69	4.83	---	2.86	4600	---	370	15	53	28	ND<50	---	---	1.9	SPL
MW-5	04/24/96	7.69	6.09	---	1.60	3000	---	180	ND<10	32	14	ND<100	---	---	8.1	SPL
MW-5	07/15/96	7.69	6.57	---	1.12	---	---	---	---	---	---	---	---	---	---	---
MW-5	07/16/96	7.69	---	---	---	ND<50	---	190	ND<10	31	16	ND<100	---	---	8.3	SPL
MW-5	07/30/96	7.69	5.61	---	2.08	---	---	---	---	---	---	---	---	---	---	---
MW-5	08/12/96	7.69	---	---	---	2000	---	150	12	25	18.2	ND<50	---	---	7.6	SPL
MW-5	11/04/96	7.69	8.25	---	-0.56	---	---	---	---	---	---	---	---	---	---	---
MW-5	11/05/96	7.69	---	---	---	5200	---	42	5.5	13	ND<5.0	1700	---	---	7.4	SPL
MW-5	05/17/97	7.69	6.95	---	0.74	80	---	0.56	ND<1.0	ND<1.0	ND<1.0	46	---	---	6.7	SPL
MW-5	08/11/97	7.69	6.72	---	0.97	2700	---	20	12	6.7	9.7	1900	---	---	8.5	SPL
MW-5	11/17/97	7.69	9.49	---	-1.80	8400	---	25	12	8.7	5.4	13000	---	---	7.9	SPL
MW-5	01/29/98	7.69	7.88	---	-0.19	110000	---	2500	110	180	589	180000	---	---	6.8	SPL
MW-5	06/22/98	7.69	7.40	---	0.29	4400	---	47	10	29	20.5	47	---	---	6.6	SPL
MW-5	12/30/98	7.69	6.13	---	1.56	6000	---	18	9.1	22	16	63/44	(f)	---	---	SPL
MW-5	03/09/99	7.69	4.79	---	2.90	4600	---	8.8	5.5	12	11	24	---	---	---	SPL
MW-5	06/23/99	7.69	5.95	---	1.74	3400	---	1500	8.9	54	87	7500	---	---	---	SPL
MW-5	09/23/99	7.69	5.43	---	2.26	2600	---	510	14	140	650	580	---	---	---	SPL
MW-5	12/28/99	7.69	5.30	---	2.39	3500	---	900	18	57	140	4800	---	---	---	PACE
MW-5 (h)	03/22/00	7.69	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5 (h)	05/26/00	7.69	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5 (h)	09/06/00	7.69	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5 (h)	09/15/00	7.69	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-6	10/12/93	8.52	6.59	---	1.93	63	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
MW-6	02/15/94	8.52	6.31	---	2.21	68	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	38	(d)	---	3.1	PACE
MW-6	05/11/94	8.52	6.15	---	2.37	68	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	48	(d)	---	8.7	PACE
MW-6	08/01/94	8.52	6.46	---	2.06	91	---	ND<0.5	ND<0.5	ND<0.5	0.6	---	---	---	2.4	PACE
MW-6	10/18/94	8.52	6.72	---	1.80	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	6.0	PACE
MW-6	01/13/95	8.52	5.95	---	2.57	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	7.0	ATI
MW-6	04/13/95	8.52	5.44	---	3.08	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	8.5	ATI
MW-6	07/11/95	8.52	5.68	---	2.84	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	8.4	ATI
MW-6	11/02/95	8.52	6.57	---	1.95	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	35	---	---	8.3	ATI
MW-6	02/05/96	8.52	6.27	---	2.25	ND<50	---	ND<5	ND<10	ND<10	ND<10	ND<100	---	---	2.2	SPL
MW-6	04/24/96	8.52	5.95	---	2.57	ND<250	---	ND<2.5	ND<5	ND<5	ND<5	62	---	---	8.0	SPL
MW-6	07/15/96	8.52	6.39	---	2.13	ND<250	---	ND<2.5	ND<5	ND<5	ND<5	ND<50	---	---	8.0	SPL
MW-6	07/30/96	8.52	6.44	---	2.08	---	---	---	---	---	---	---	---	---	---	---
MW-6	11/04/96	8.52	8.05	---	0.47	---	---	---	---	---	---	---	---	---	---	---
MW-6	11/05/96	8.52	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.3	SPL
MW-6	05/17/97	8.52	6.75	---	1.77	---	---	---	---	---	---	---	---	---	---	---
MW-6	08/11/97	8.52	6.48	---	2.04	---	---	---	---	---	---	---	---	---	---	---
MW-6	11/17/97	8.52	9.27	---	-0.75	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.7	SPL
MW-6	01/29/98	8.52	7.98	---	0.54	---	---	---	---	---	---	---	---	---	---	---
MW-6	06/22/98	8.52	7.68	---	0.84	---	---	---	---	---	---	---	---	---	---	---
MW-6	12/30/98	8.52	6.98	---	1.54	---	---	---	---	---	---	---	---	---	---	---
MW-6	03/09/99	8.52	5.90	---	2.62	---	---	---	---	---	---	---	---	---	---	---
MW-6	06/23/99	8.52	6.93	---	1.59	---	---	---	---	---	---	---	---	---	---	---
MW-6	09/23/99	8.52	6.45	---	2.07	---	---	---	---	---	---	---	---	---	---	---
MW-6	12/28/99	8.52	6.33	---	2.19	---	---	---	---	---	---	---	---	---	---	---
MW-6	03/22/00	8.52	5.15	---	3.37	---	---	---	---	---	---	---	---	---	---	---
MW-6	05/26/00	8.52	5.72	---	2.80	---	---	---	---	---	---	---	---	---	---	---
MW-6	09/15/00	8.52	6.02	---	2.50	---	---	---	---	---	---	---	---	---	---	---

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)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-7	10/12/93	7.61	6.14	---	1.47	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.7	---	---	---	---	PACE
MW-7	02/15/94	7.61	5.88	---	1.73	78	---	ND<0.5	ND<0.5	ND<0.5	0.6	---	---	---	4.0	PACE
MW-7	05/11/94	7.61	5.76	---	1.85	70	---	ND<0.5	ND<0.5	ND<0.5	0.9	---	---	---	9.1	PACE
MW-7	08/01/94	7.61	5.97	---	1.64	77	---	ND<0.5	ND<0.5	ND<0.5	0.5	---	---	---	2.5	PACE
MW-7	10/18/94	7.61	6.24	---	1.37	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	6.3	PACE
MW-7	01/13/95	7.61	5.39	---	2.22	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	8.2	ATI
MW-7	04/13/95	7.61	5.17	---	2.44	63	---	ND<0.5	ND<0.5	ND<0.5	1.4	---	---	---	8.4	ATI
MW-7	07/11/95	7.61	5.25	---	2.36	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	7.9	ATI
MW-7	11/02/95	7.61	6.19	---	1.42	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	55	---	---	8.0	ATI
MW-7	02/05/96	7.61	5.69	---	1.92	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	40	---	---	1.9	SPL
MW-7	04/24/96	7.61	5.59	---	2.02	ND<250	---	ND<2.5	ND<5	ND<5	ND<5	53	---	---	8.2	SPL
MW-7	07/15/96	7.61	6.07	---	1.54	ND<250	---	ND<2.5	ND<5	ND<5	ND<5	ND<50	---	---	7.8	SPL
MW-7	07/30/96	7.61	6.04	---	1.57	---	---	---	---	---	---	---	---	---	---	---
MW-7	11/04/96	7.61	7.76	---	-0.15	---	---	---	---	---	---	---	---	---	---	---
MW-7	11/05/96	7.61	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.8	SPL
MW-7	05/17/97	7.61	6.42	---	1.19	---	---	---	---	---	---	---	---	---	---	---
MW-7	08/11/97	7.61	6.06	---	1.55	---	---	---	---	---	---	---	---	---	---	---
MW-7	11/17/97	7.61	9.07	---	-1.46	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.1	SPL
MW-7	01/29/98	7.61	7.44	---	0.17	---	---	---	---	---	---	---	---	---	---	---
MW-7	06/22/98	7.61	7.39	---	0.22	---	---	---	---	---	---	---	---	---	---	---
MW-7	12/30/98	7.61	5.51	---	2.10	---	---	---	---	---	---	---	---	---	---	---
MW-7	03/09/99	7.61	5.57	---	2.04	---	---	---	---	---	---	---	---	---	---	---
MW-7	06/23/99	7.61	6.69	---	0.92	---	---	---	---	---	---	---	---	---	---	---
MW-7	09/23/99	7.61	6.23	---	1.38	---	---	---	---	---	---	---	---	---	---	---
MW-7	12/28/99	7.61	6.08	---	1.53	---	---	---	---	---	---	---	---	---	---	---
MW-7	03/22/00	7.61	4.88	---	2.73	---	---	---	---	---	---	---	---	---	---	---
MW-7	05/26/00	7.61	5.42	---	2.19	---	---	---	---	---	---	---	---	---	---	---
MW-7	09/15/00	7.61	5.79	---	1.82	---	---	---	---	---	---	---	---	---	---	---

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)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-8	10/12/93	8.60	5.86	---	2.74	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
MW-8	02/15/94	8.60	5.50	---	3.10	380	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	3.3	PACE
MW-8	05/11/94	8.60	5.09	---	3.51	330	---	ND<0.5	1.2	ND<0.5	1.9	---	---	---	8.5	PACE
MW-8	08/01/94	8.60	5.20	---	3.40	260	---	ND<0.5	1.2	2.9	5.8	---	---	---	2.3	PACE
MW-8	10/18/94	8.60	5.70	---	2.90	82	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	6.4	PACE
MW-8	01/13/95	8.60	4.96	---	3.64	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	6.9	ATI
MW-8	04/13/95	8.60	5.40	---	3.20	270	---	ND<0.5	ND<0.5	ND<0.5	4.4	---	---	---	8.4	ATI
MW-8	07/11/95	8.60	6.01	---	2.59	320	---	ND<0.50	ND<0.50	ND<0.50	3.5	---	---	---	8.0	ATI
MW-8	11/02/95	8.60	6.81	---	1.79	100	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	---	8.7	ATI
MW-8	02/05/96	8.60	6.12	---	2.48	ND<50	---	ND<5	ND<10	ND<10	ND<10	ND<100	---	---	1.5	SPL
MW-8	04/24/96	8.60	6.23	---	2.37	ND<50	---	ND<5	ND<10	ND<10	ND<10	ND<100	---	---	8.7	SPL
MW-8	07/15/96	8.60	6.70	---	1.90	ND<250	---	ND<2.5	ND<5	ND<5	ND<5	ND<50	---	---	8.4	SPL
MW-8	07/30/96	8.60	6.64	---	1.96	---	---	---	---	---	---	---	---	---	---	---
MW-8	11/04/96	8.60	8.36	---	0.24	---	---	---	---	---	---	---	---	---	---	---
MW-8	11/05/96	8.60	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.2	SPL
MW-8	05/17/97	8.60	7.03	---	1.57	---	---	---	---	---	---	---	---	---	---	---
MW-8	08/11/97	8.60	6.05	---	2.55	---	---	---	---	---	---	---	---	---	---	---
MW-8	11/17/97	8.60	9.14	---	-0.54	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.7	SPL
MW-8	01/29/98	8.60	7.90	---	0.70	---	---	---	---	---	---	---	---	---	---	---
MW-8	06/22/98	8.60	7.72	---	0.88	---	---	---	---	---	---	---	---	---	---	---
MW-8 (h)	12/30/98	8.60	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8 (h)	03/09/99	8.60	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	06/23/99	8.60	4.70	---	3.90	---	---	---	---	---	---	---	---	---	---	---
MW-8	09/23/99	8.60	4.22	---	4.38	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/28/99	8.60	4.12	---	4.48	---	---	---	---	---	---	---	---	---	---	---
MW-8	03/22/00	8.60	4.71	---	3.89	---	---	---	---	---	---	---	---	---	---	---
MW-8	05/26/00	8.60	4.98	---	3.62	---	---	---	---	---	---	---	---	---	---	---
MW-8	09/15/00	8.60	4.62	---	3.98	---	---	---	---	---	---	---	---	---	---	---

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)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-9	10/12/93	8.08	5.66	0.08	2.48	---	---	---	---	---	---	---	---	---	---	---
MW-9	02/15/94	8.08	5.32	0.05	2.80	---	---	---	---	---	---	---	---	---	---	---
MW-9	05/11/94	8.08	5.57	---	2.51	---	---	---	---	---	---	---	---	---	---	---
MW-9	08/01/94	8.08	6.25	---	1.83	---	---	---	---	---	---	---	---	---	---	---
MW-9	10/18/94	8.08	5.59	0.13	2.59	---	---	---	---	---	---	---	---	---	---	---
MW-9	01/13/95	8.08	4.42	0.14	3.77	---	---	---	---	---	---	---	---	---	---	---
MW-9	04/13/95	8.08	4.06	0.11	4.10	---	---	---	---	---	---	---	---	---	---	---
MW-9	07/11/95	8.08	4.21	0.08	3.93	---	---	---	---	---	---	---	---	---	---	---
MW-9	11/02/95	8.08	5.22	0.05	2.90	---	---	---	---	---	---	---	---	---	---	---
MW-9	02/05/96	8.08	4.76	0.01	3.33	---	---	---	---	---	---	---	---	---	---	---
MW-9	04/24/96	8.08	4.62	0.09	3.53	---	---	---	---	---	---	---	---	---	---	---
MW-9	07/15/96	8.08	5.11	0.04	3.00	---	---	---	---	---	---	---	---	---	---	---
MW-9	07/30/96	8.08	5.15	---	2.93	---	---	---	---	---	---	---	---	---	---	---
MW-9	11/04/96	8.08	6.75	0.01	1.34	---	---	---	---	---	---	---	---	---	---	---
MW-9	05/17/97	8.08	5.42	---	2.66	97000	---	16000	7700	2300	18400	40000	---	---	7.0	SPL
QC-1 (e)	05/17/97	---	---	---	---	97000	---	16000	8200	2300	17300	39000	---	---	---	SPL
MW-9	08/11/97	8.08	5.37	---	2.71	71000	---	12000	340	2100	4300	26000	---	---	9.1	SPL
QC-1 (e)	08/11/97	---	---	---	---	100000	---	14000	360	3200	5790	27000	---	---	---	SPL
MW-9	11/17/97	8.08	5.62	Sheen	2.46	100000	---	22000	4800	3100	17900	32000	---	---	8.3	SPL
QC-1 (e)	11/17/97	---	---	---	---	100000	---	24000	5300	3500	19300	35000	---	---	---	SPL
MW-9	01/29/98	8.08	4.07	Sheen	4.01	250000	---	20000	21000	3100	18500	110000	---	---	6.6	SPL
QC-1 (e)	01/29/98	---	---	---	---	250000	---	20000	20000	3100	18400	110000	---	---	---	SPL
MW-9	06/22/98	8.08	4.28	---	3.80	280000	---	21000	18000	3800	21200	110000	---	---	5.8	SPL
QC-1 (e)	06/22/98	---	---	---	---	290000	---	20000	17000	3800	21200	110000	---	---	---	SPL
MW-9	12/30/98	8.08	4.95	---	3.13	150000	---	10000	3800	2000	9600	86000/89000 (f)	---	---	---	SPL
MW-9	03/09/99	8.08	3.95	---	4.13	82000	---	6800	570	1400	4700	100000	---	---	---	SPL
MW-9	06/23/99	8.08	5.12	---	2.96	41000	---	11000	820	2300	5200	92000	---	---	---	SPL
MW-9	09/23/99	8.08	4.74	---	3.34	57000	---	12000	5400	1900	9500	89000	---	---	---	SPL
MW-9	12/28/99	8.08	4.58	---	3.50	46000	---	15000	490	2500	3500	100000	---	---	---	PACE
MW-9	03/22/00	8.08	3.90	---	4.18	86000	---	18000	1800	2300	6800	120000	---	---	---	PACE
MW-9	05/26/00	8.08	4.15	---	3.93	82000	---	17000	680	1800	3800	100000	---	---	---	PACE
MW-9	09/06/00	8.08	4.47	---	3.61	100000	---	19000	280	2400	6400	84000	---	---	---	PACE
MW-9	09/15/00	8.08	4.34	---	3.74	---	---	---	---	---	---	---	---	---	---	---

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)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
QC-2 (g)	11/05/92	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	10/12/93	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	02/15/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	05/11/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	08/01/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	10/18/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	01/13/95	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	---	ATI
QC-2 (g)	04/13/95	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	---	ATI
QC-2 (g)	07/11/95	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	ATI
QC-2 (g)	11/02/95	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	---	---	ATI
QC-2 (g)	02/05/96	---	---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	SPL
QC-2 (g)	04/24/96	---	---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	SPL
QC-2 (g)	07/16/96	---	---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

ABBREVIATIONS:

TPH-G Total petroleum hydrocarbons as gasoline
TPH-D Total petroleum hydrocarbons as diesel
B Benzene
T Toluene
E Ethylbenzene
X Total xylenes
MTBE Methyl tert butyl ether
TOG Total oil and grease
HVOC Halogenated volatile organic compounds
DO Dissolved oxygen
ug/l Micrograms per liter
ppm Parts per million
ND Not detected above reported detection limit
--- Not analyzed/applicable/measurable
PACE Pace, Inc.
ATI Analytical Technologies, Inc.
SPL Southern Petroleum Laboratories

NOTES:

- (a) Top of casing elevations surveyed relative to an established benchmark with an elevation of 8.11 feet above mean sea level.
- (b) Groundwater elevations adjusted assuming a specific gravity of 0.75 for free product.
- (c) Detection limits vary; see laboratory report.
- (d) A copy of the documentation for this data is included in Appendix C of Alisto report 10-061-07-004.
- (e) Blind duplicate.
- (f) EPA Methods 8020/8260 used
- (g) Travel blank.
- (h) Inaccessible

Analytical Appendix



Pace Analytical Services, Inc.
3970 Gilman Street
Long Beach, CA 90815
Phone 562.498.9515
Fax: 562.597.0786

September 13, 2000

Mr. MORGAN HARGRAVE
BLAINE TECH SERVICES, INC.
1680 ROGERS AVE.
SAN JOSE, CA 95112

RE: Pace Project Number: 6044696
Client Project ID: BP 11126

Dear Mr. HARGRAVE:

Enclosed are the analytical results for sample(s) received by the laboratory on September 9, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lily Bayati
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
 3970 Gilman Street
 Long Beach, CA 90815
 Phone: 562.498.9515
 Fax: 562.597.0786

DATE: 09/13/00
 PAGE: 1

BLAINE TECH SERVICES, INC.
 1680 ROGERS AVE.
 SAN JOSE, CA 95112

Pace Project Number: 6044696
 Client Project ID: BP 11126

Attn: Mr. MORGAN HARGRAVE
 Phone: (408)573-0555 x218

Solid results are reported on a wet weight basis

Pace Sample No: 603807546 Date Collected: 09/06/00 Matrix: Water
 Client Sample ID: A Date Received: 09/09/00

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
------------	---------	-------	-----	----------	---------	------	-----------

Long Beach Laboratory

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
GAS BTEX by 8015, Water							
Gasoline	3700	ug/l	50	09/12/00	VN		
Benzene	1200	ug/l	75	09/12/00	VN	71-43-2	
Toluene	5.5	ug/l	0.5	09/12/00	VN	108-88-3	
Ethylbenzene	12	ug/l	0.5	09/12/00	VN	100-41-4	
Methyl-tert-butyl Ether	12000	ug/l	75	09/12/00	VN	1634-04-4	
Xylene (Total)	170	ug/l	0.5	09/12/00	VN	1330-20-7	
a,a,a-Trifluorotoluene (S)	125	%		09/12/00	VN	2164-17-2	

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Pace Analytical Services, Inc.
 3970 Gilman Street
 Long Beach, CA 90815
 Phone: 562.498.9515
 Fax: 562.597.0786

DATE: 09/13/00
 PAGE: 2

Pace Project Number: 6044696
 Client Project ID: BP 11126

Pace Sample No: 603807553 Date Collected: 09/06/00 Matrix: Water
 Client Sample ID: B Date Received: 09/09/00

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
------------	---------	-------	-----	----------	---------	------	-----------

Long Beach Laboratory

GAS BTEX by 8015, Water	Method: EPA 8015/8020 Modif			Prep Method: EPA 8015/8020 Modif			
Gasoline	100000	ug/l	7500	09/12/00	VN		
Benzene	19000	ug/l	75	09/12/00	VN	71-43-2	
Toluene	280	ug/l	75	09/12/00	VN	108-88-3	
Ethylbenzene	2400	ug/l	75	09/12/00	VN	100-41-4	
Methyl-tert-butyl Ether	84000	ug/l	750	09/12/00	VN	1634-04-4	
Xylene (Total)	6400	ug/l	75	09/12/00	VN	1330-20-7	
a.a.a-Trifluorotoluene (S)	104	%		09/12/00	VN	2164-17-2	

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 Long Beach, CA 90815
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 Fax: 562.597.0786

DATE: 09/13/00
 PAGE: 3

Pace Project Number: 6044696
 Client Project ID: BP 11126

Pace Sample No: 603807579 Date Collected: 09/06/00 Matrix: Water
 Client Sample ID: C Date Received: 09/09/00

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
------------	---------	-------	-----	----------	---------	------	-----------

Long Beach Laboratory

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
GAS BTEX by 8015, Water Method: EPA 8015/8020 Modif Prep Method: EPA 8015/8020 Modif							
Gasoline	5600	ug/l	50	09/12/00	VN		
Benzene	1000	ug/l	75	09/12/00	VN	71-43-2	
Toluene	13	ug/l	0.5	09/12/00	VN	108-88-3	
Ethylbenzene	57	ug/l	0.5	09/12/00	VN	100-41-4	
Methyl-tert-butyl Ether	19000	ug/l	75	09/12/00	VN	1634-04-4	
Xylene (Total)	90	ug/l	0.5	09/12/00	VN	1330-20-7	
a.a.a-Trifluorotoluene (S)	128	%		09/12/00	VN	2164-17-2	

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Pace Analytical Services, Inc.

3970 Gilman Street
Long Beach, CA 90815

Phone: 562.498.9515
Fax: 562.597.0786

DATE: 09/13/00

PAGE: 4

Pace Project Number: 6044696
Client Project ID: BP 11126

PARAMETER FOOTNOTES

ND Not Detected
NC Not Calculable
PRL Pace Reporting Limit
(S) Surrogate

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
 3970 Gilman Street
 Long Beach, CA 90815
 Phone: 562.498.9515
 Fax: 562.597.0786

QUALITY CONTROL DATA

DATE: 09/13/00
 PAGE: 5

BLAINE TECH SERVICES, INC.
 1680 ROGERS AVE.
 SAN JOSE, CA 95112

Pace Project Number: 6044696
 Client Project ID: BP 11126

Attn: Mr. MORGAN HARGRAVE
 Phone: (408)573-0555 x218

QC Batch ID: 90379 QC Batch Method: EPA 8015/8020 Modif
 Analysis Method: EPA 8015/8020 Modif Analysis Description: GAS BTEX by 8015, Water
 Associated Pace Samples: 603807546 603807553 603807579

METHOD B.ANK: 603808445
 Associated Pace Samples:

Parameter	Units	603807546	603807553	603807579	Footnotes
			Method Blank Result	PRL	
Gasoline	ug/l		ND	12	
Benzene	ug/l		ND	0.05	
Toluene	ug/l		ND	0.05	
Ethylbenzene	ug/l		ND	0.05	
Methyl-tert-butyl Ether	ug/l		ND	0.05	
Xylene (Total)	ug/l		ND	0.05	
a,a,a-Trifluorotoluene (S)	%		107		

LABORATORY CONTROL SAMPLE & LCSD: 603808452 603808460

Parameter	Units	603808452		603808460		Spike		Footnotes
		Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Dup % Rec	RPD	
Gasoline	ug/l	40	43.20	108	43.30	108	0	
Benzene	ug/l	6.667	6.470	97.1	6.560	98.4	1	
Toluene	ug/l	6.667	6.550	98.3	6.710	101	3	
Ethylbenzene	ug/l	6.667	6.610	99.2	6.680	100	1	
Methyl-tert-butyl Ether	ug/l	6.667	7.264	109	6.950	104	5	
Xylene (Total)	ug/l	20	20.02	100	20.25	101	1	
a,a,a-Trifluorotoluene (S)				107		108		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.

3970 Gilman Street
Long Beach, CA 90815

Phone: 562.498.9515

Fax: 562.597.0786

DATE: 09/13/00

PAGE: 6

Pace Project Number: 6044696

Client Project ID: BP 11126

QUALITY CONTROL DATA PARAMETER FOOTNOTES

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

ND Not Detected
NC Not Calculable
PRL Pace Reporting Limit
RPD Relative Percent Difference
(S) Surrogate

REPORT OF LABORATORY ANALYSIS

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CHAIN OF CUSTODY

17031A 6044696

Page 1 of 1

CONSULTANT'S NAME Blaine Tech Services, Inc.		CONSULTANT'S ADDRESS 1680 Rogers Ave., San Jose CA 95112	
BP SITE NUMBER 11126	BP SITE / FACILITY ADDRESS 1700 Powell St., Emeryville		CONSULTANT PROJECT NUMBER 11126/000906-R2
CONSULTANT PROJECT MANAGER Morgan Hargrave		PHONE NUMBER (408) 573-0555 x 218	FAX NUMBER (408) 573-7771
CONSULTANT CONTRACT NUMBER J264134			
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 - Lily Bayati	LABORATORY ADDRESS 3970 Gilman Street, Long Beach, CA	PHONE NUMBER (562) 498-9515	FAX NO. (562) 597-0786
BP CONTACT REQUESTING RUSH TAT (Print BP Contact Name)	RUSH REQUESTED OF (Print Consultant Contact Name)	DATE/TIME	SHIPMENT DATE
			SHIPMENT METHOD

1A1: <input type="checkbox"/> 24 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 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) (8020)	TPH-D (8015M)	FUEL OXYGENATES (8260)	1,2 DCA + EDB (8010)											COMMENTS			
				NO.	TYPE (VOL)	LAB SAMPLE #																		
MW 11126 A	9/6/00	1614	W	3	Vol		X																	
B	↓	1511	W	3	"		X																	
C	↓	1550	W	3	"		✓																	

SAMPLED BY (Please Print Name) Jared			SAMPLED BY (Signature) <i>Jared Pace</i>				ADDITIONAL COMMENTS 4:0°C	
RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY / AFFILIATION (Print Name / Signature)	DATE	TIME			
<i>Jared</i>	9/7/00	14:00	<i>Jared</i>	9/9/00	12:00			

Field Data Sheets

WELL GAUGING DATA

Project # 050915N-2 Date 9/15/00 Client BP 11126

Site 1700 Powell St., Emeryville

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						5.73	11.27	
MW-2						4.74	10.54	
MW-3						5.58	11.86	
MW-4						8.20	10.94	
MW-5		Well Pumped Over						
MW-6						6.02	13.45	
MW-7						5.79	13.71	
MW-8						4.62	13.77	
MW-9						4.34	13.72	

WELL GAUGING DATA

Project # C00906-22 Date 9/6/00 Client BP

Site 1706 Powell st Emeryville

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
4 MW-1	2	odor	C			5.19	11.43	TOC
1 MW-2	2		A			4.71	10.35	TOC
2 MW-5			well inaccessible			Paved over		
3 MW-5	4	odor	B			4.47	13.97	TOC

BP WELL MONITORING DATA SHEET

Project #: <u>000906 R 2</u>	Station # <u>11126</u>
Sampler: <u>Jord</u>	Date: <u>9/6/00</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>11.43</u>	Depth to Water: <u>5.19</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd):

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

Purge Method: Bailer
 Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump

Other: _____

Sampling Method: Bailer
 Disposable Bailer
 Extraction Port
 Other: _____

<u>1.3</u>	x	<u>3</u>	=	<u>2.99</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>1606</u>	<u>73.3</u>	<u>6.9</u>	<u>2725</u>	<u>1</u>	<u>odor / grey</u>
<u>1609</u>	<u>72.9</u>	<u>6.9</u>	<u>2756</u>	<u>2</u>	
<u>1612</u>	<u>72.7</u>	<u>6.9</u>	<u>2750</u>	<u>3</u>	

Did well dewater? Yes No

Gallons actually evacuated: 3

Sampling Time: 1614 Sampling Date: 9/6/00

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>000906 R 2</u>	Station # <u>11126</u>
Sampler: <u>Jared</u>	Date: <u>9/6/00</u>
Well I.D.: <u>MW-5</u>	Well Diameter: 2 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 ² * 0.163

Purge Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Middleburg <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
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$$\text{_____} \times \text{_____} = \text{_____} \text{ Gals.}$$

1 Case Volume (Gals.) Specified Volumes Calculated Volume

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

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Time: _____ Sampling Date: 9/6/00

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>000906 R 2</u>	Station # <u>11126</u>
Sampler: <u>Jared</u>	Date: <u>9/6/00</u>
Well I.D.: <u>MW-9</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>15.97</u>	Depth to Water: <u>4.47</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd):

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

Purge Method:

Bailer
 Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump
 Other: _____

Sampling Method:

Bailer
 Disposable Bailer
 Extraction Port
 Other: _____

<u>6.18</u>	x	<u>3</u>	=	<u>18.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>1546</u>	<u>78.6</u>	<u>6.9</u>	<u>2300</u>	<u>7</u>	<u>clear / odor</u>
<u>1547</u>	<u>78.1</u>	<u>6.9</u>	<u>2540</u>	<u>14</u>	
<u>1548</u>	<u>78.0</u>	<u>7.0</u>	<u>2550</u>	<u>21</u>	

Did well dewater? Yes No

Gallons actually evacuated: 21

Sampling Time: 1550 Sampling Date: 9/6/00

Sample I.D. (Blind): B 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