bp

Drop in MTBE conc.

Scott T. Hooton
Portfolio Manager

BP Oil Company
Midwest Environmental Services
295 SW 41st Street
Bldg. 13, Suite N
Renton, WA 98055

Switchboard: 425/251-0667
Central Fax: 425/251-0736

October 12, 2001

Ms. Eva Chu
Alameda County Water District
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502-6577

OCT 19 2001

Re: Former BP Oil Site No. 11104
1716 Webster Street (at Buena Vista)
Alameda, CA

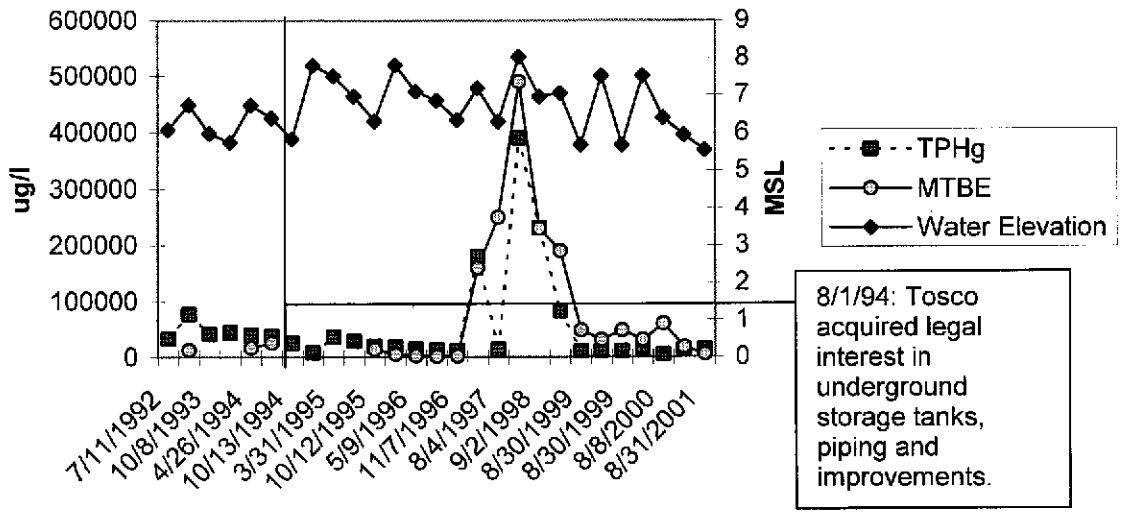
Direct: 425/251-0689
Cell: 206/335-0689
hootonst@bp.com
www.bp.com

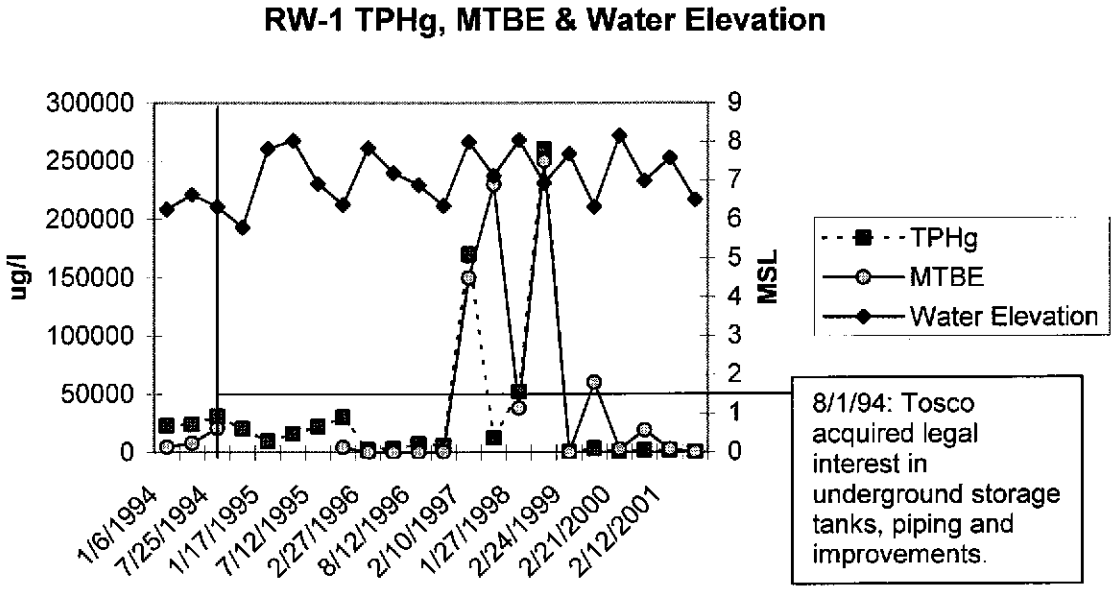
Dear Ms. Chu:

Enclosed find the 17 September 2001 Third Quarter 2001 Groundwater Monitoring report prepared by Blaine Tech Services on behalf of BP. The report summarizes monitoring data obtained since 1992, including results associated with samples recently obtained on 13 August 2001.

The report shows that aromatic petroleum hydrocarbons were detected in samples obtained from one of the monitoring wells this quarter. The highest benzene concentration (161 µg/l) was detected in a sample obtained from well MW-1, located adjacent to the underground storage tanks. MTBE was also detected in samples obtained from wells MW-1 (5,590 µg/l) and RW-1 (314 µg/l). TPHg and MTBE concentration data is depicted on the graphs shown below.

MW-1 TPHg, MTBE & Water Elevation





Please call (425) 251-0689 if you have any comments or questions.

Sincerely,

Scott Hooton

Attachment

cc: site file
David Camille – Tosco (w/attachment)

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
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www.blainetech.com

September 17, 2001

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

3rd Quarter 2001 Monitoring at 11104

Third Quarter 2001 Groundwater Monitoring
BP Service Station Number 11104
1716 Webster Street
Alameda, CA

Monitoring Performed on August 13, 2001

Groundwater Sampling Report **010813-N-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,

Francis Thie
Vice President

FPT/mb

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

Professional Engineering Appendix

N

SCALE (FT.)

0 40

B-5
5.14

B-10
DRY

B-11
6.33

B-12
5.52

B-7
5.61

B-13
5.62

B-1
5.77

A-1
5.69

B-9
NA

B-8
NA

B-6
6.05

MW-4
NA

DISPENSER ISLANDS

CHEVRON SERVICE STATION BUILDING

PARKING LOT

APARTMENT BUILDING

UNDERGROUND FUEL TANKS

LIQUOR STORE

6.0

6.5

BUENA VISTA AVENUE

RW-1
6.50

MW-5
NA

KENTUCKY FRIED CHICKEN

BUILDING

MW-1
5.54

UNDERGROUND FUEL TANKS

WEBSTER STREET

DISPENSER ISLANDS

MW-2
NA

BP OIL SERVICE STATION BUILDING

HOUSE

HOUSE

MW-3
NA

UNDERGROUND USED OIL TANK

EXPLANATION

- BP OIL GROUNDWATER MONITORING WELL
- GROUNDWATER RECOVERY WELL
- CHEVRON GROUNDWATER MONITORING WELL
- 5.54 GROUNDWATER ELEVATION (FT, MSL)
- 6.0 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- NA DATA NOT AVAILABLE
- APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.006

REGISTERED GEOLOGIST
STEVEN E. KRCIK
No 4978
9-02
STATE OF CALIFORNIA

Ref. 11104bm1.dwg
Basemap from Alisto Engineering Group

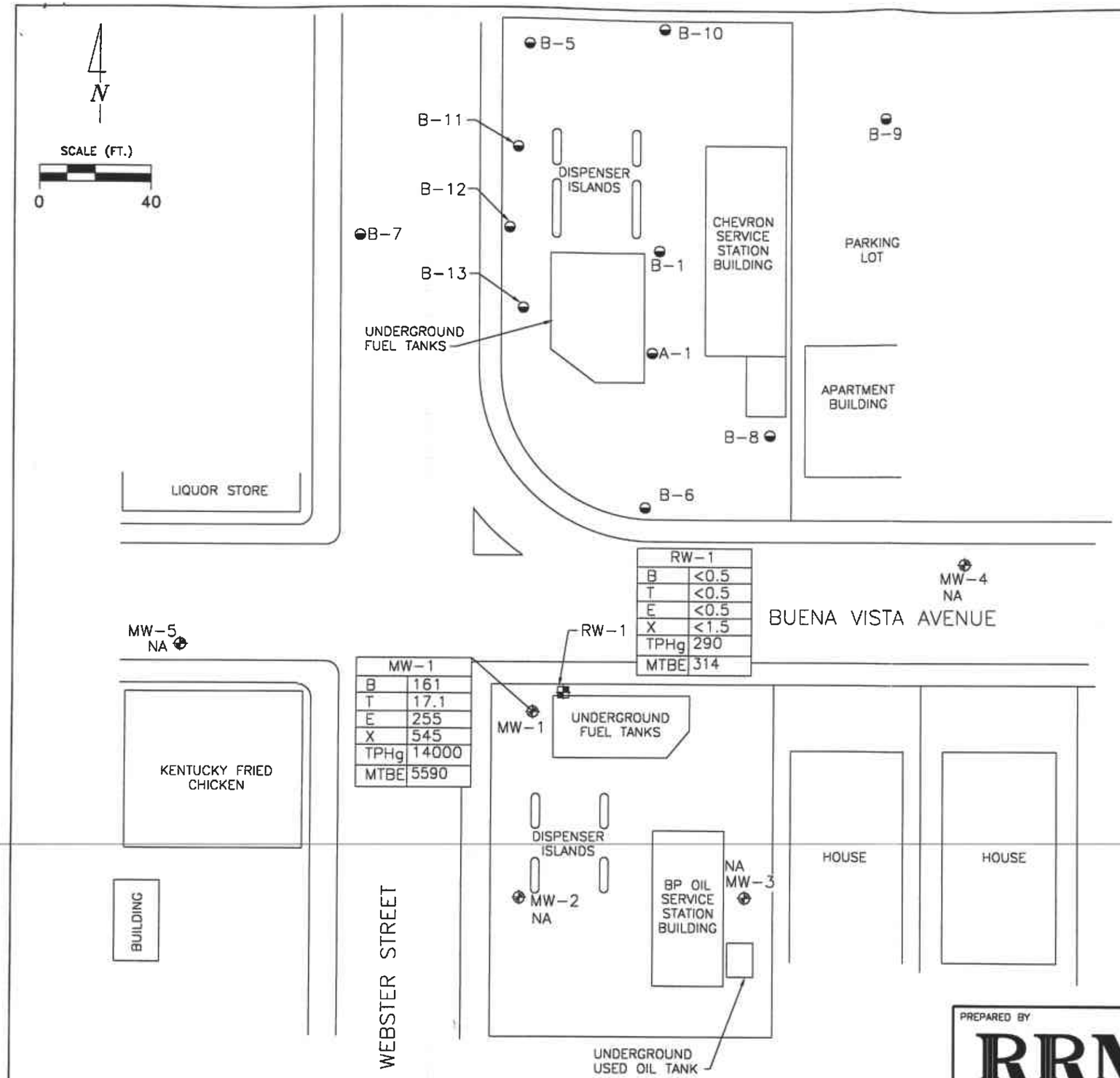
PREPARED BY
RRM
engineering contracting firm

GROUNDWATER ELEVATION CONTOUR MAP, AUGUST 13, 2001

BP Oil Service Station No. 11104
1716 Webster Street
Alameda, California

FIGURE: 1

PROJECT: DAC04



EXPLANATION

- BP OIL GROUNDWATER MONITORING WELL
- GROUNDWATER RECOVERY WELL
- CHEVRON GROUNDWATER 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. 11104btex.dwg
Basemap from Alisto Engineering Group

PREPARED BY
RRM
engineering contracting firm

HYDROCARBON CONCENTRATION MAP, AUGUST 13, 2001

BP Oil Service Station No. 11104
1716 Webster Street
Alameda, 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)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TDS (mg/L)	DO (ppm)	LAB
MW-1		07/21/92	11.98	5.91	6.07	34000	7000	1700	2500	6900	—		—	—	—
MW-1		10/20/92	11.98	6.66	5.32	—	—	—	—	—	—		—	—	—
MW-1		03/05/93	11.98	4.56	7.42	—	—	—	—	—	—		—	—	—
MW-1		04/01/93	11.98	4.57	7.41	—	—	—	—	—	—		—	—	—
MW-1		07/09/93	11.98	5.25	6.73	77000	15000	1400	2100	7400	11919	(c)(k)	—	—	PACE
QC-1	(d)	07/09/93	—	—	—	79000	16000	1500	2200	7700	12952	(c)(k)	—	—	PACE
MW-1		10/08/93	11.98	6.01	5.97	42000	7100	270	2700	4700	—	(k)	—	—	PACE
MW-1		01/06/94	11.98	6.24	5.74	45000	12000	4300	3000	6700	—	(k)	—	—	PACE
MW-1		04/26/94	11.98	5.26	6.72	39000	6500	500	1800	1200	16663	(c)(k)	—	6.3	PACE
MW-1		07/25/94	11.98	5.60	6.38	38000	6300	240	1500	1100	26428	(c)(k)	—	1.7	PACE
MW-1		10/13/94	11.98	6.15	5.83	25000	6300	130	1300	830	—	(k)	—	2.3	PACE
QC-1	(d)	10/13/94	—	—	—	25000	7300	120	1200	740	—	(k)	—	—	PACE
MW-1		01/17/95	11.98	4.19	7.79	7800	3100	1100	460	850	—		—	7.9	ATI
QC-1	(d)	01/17/95	—	—	—	8400	3100	1200	470	1000	—		—	—	ATI
MW-1		03/31/95	11.98	4.48	7.50	37000	6700	6900	1200	4500	—		—	6.4	ATI
QC-1	(d)	03/31/95	—	—	—	40000	6900	7300	1300	5000	—		—	—	ATI
MW-1		05/01/95	11.98	4.39	7.59	—	—	—	—	—	—		—	—	—
MW-1		07/12/95	11.98	5.02	6.96	29000	7000	300	1500	3900	—		—	7.2	ATI
QC-1	(d)	07/12/95	—	—	—	29000	6600	380	1500	3900	—		—	—	ATI
MW-1		10/12/95	11.98	5.68	6.30	20000	3400	310	1100	3000	15000		—	6.3	ATI
QC-1	(d)	10/12/95	—	—	—	20000	3500	310	1100	3000	14000		—	—	ATI
MW-1		02/27/96	11.98	4.18	7.80	18000	4400	2900	860	2380	5500		472	7.9	SPL
MW-1		05/08/96	11.98	4.89	7.09	—	—	—	—	—	—		—	—	—
MW-1		05/09/96	11.98	—	—	14000	2300	1900	540	3340	2700		—	6.1	SPL
MW-1		08/09/96	11.98	5.13	6.85	—	—	—	—	—	—		—	—	—
MW-1		08/12/96	11.98	—	—	13000	2800	190	1300	3040	1800		—	7.1	SPL
MW-1		11/07/96	11.98	5.65	6.33	12000	2100	35	ND<25	ND<25	2100		—	7.2	SPL
MW-1		02/10/97	11.98	4.80	7.18	180000	1900	ND<500	ND<500	ND<500	160000		—	6.8	SPL
QC-1	(d)	02/10/97	—	—	—	180000	2100	ND<500	ND<500	ND<500	160000		—	—	SPL
MW-1		08/04/97	11.98	5.69	6.29	14000	2700	ND<50	1200	1220	250000		—	7.2	SPL
QC-1	(d)	08/04/97	—	—	—	ND<25000	2600	ND<50	1200	1100	260000		—	—	SPL
MW-1		01/27/98	11.98	3.96	8.02	390000	4400	4300	1600	2890	490000		—	6.4	SPL
MW-1		09/02/98	11.98	5.03	6.95	230000	3900	ND<50	1900	1000	230000		—	6.3	SPL
MW-1		02/24/99	11.98	4.94	7.04	82000	3000	520	2600	3200	190000/200000	(h)	—	—	SPL
MW-1		08/30/99	11.98	6.31	5.67	11000	2100	ND<25	1800	580	48000		—	—	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TDS (mg/L)	DO (ppm)	LAB
MW-1	02/21/00	11.98	4.47	7.51	12000 (i)	1200	250	930	1800	31000	---	---	PACE
MW-1	08/08/00	11.98	5.59	6.39	4500	160	2.8	76	88	60000	---	---	PACE
MW-1	02/12/01	11.98	6.04	5.94	14000	363	ND<12.5	108	293	18000	---	---	PACE
MW-1	08/13/01	11.98	6.44	5.54	14000	161	17.1	255	545	5590	---	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TDS (mg/L)	DO (ppm)	LAB
MW-2	07/21/92	12.98	6.44	6.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---
MW-2	10/20/92	12.98	7.39	5.59	---	---	---	---	---	---		---	---	---
MW-2	03/05/93	12.98	4.91	8.07	---	---	---	---	---	---		---	---	---
MW-2	04/01/93	12.98	4.92	8.06	---	---	---	---	---	---		---	---	---
MW-2	07/09/93	12.98	5.60	7.38	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	---	PACE
MW-2	10/08/93	12.98	6.50	6.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	---	PACE
QC-1 (d)	10/08/93	12.98	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	---	PACE
MW-2	01/06/94	12.98	6.25	6.73	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	---	PACE
MW-2	04/26/94	12.98	5.73	7.25	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	---	PACE
MW-2	07/25/94	12.98	6.07	6.91	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k)	---	7.5	PACE
MW-2	10/13/94	12.98	6.80	6.18	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11.59	(k)	---	2.4	PACE
MW-2	01/17/95	12.98	5.10	7.88	---	---	---	---	---	---	(k)	---	2.4	PACE
MW-2	03/31/95	12.98	4.69	8.29	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	---
MW-2	05/01/95	12.98	5.23	7.75	---	---	---	---	---	---		---	7.3	ATI
MW-2	07/12/95	12.98	5.40	7.58	---	---	---	---	---	---		---	---	---
MW-2	10/12/95	12.98	6.06	6.92	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	---
MW-2	02/27/96	12.98	4.66	8.32	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	6.9	ATI
MW-2	05/08/96	12.98	5.28	7.70	---	---	---	---	---	---		412	8.7	SPL
MW-2	08/09/96	12.98	5.59	7.39	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---
MW-2	11/07/96	12.98	6.11	6.87	---	---	---	---	---	---		---	7.8	SPL
MW-2	02/10/97	12.98	5.26	7.72	---	---	---	---	---	---		---	---	---
MW-2	08/04/97	12.98	6.14	6.84	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---
MW-2	01/27/98	12.98	4.42	8.56	---	---	---	---	---	---		---	6.5	SPL
MW-2	09/02/98	12.98	5.47	7.51	100	0.56	3.6	ND<1.0	3.0	110		---	---	---
MW-2	02/24/99	12.98	5.12	7.86	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	8.2		---	6.9	SPL
MW-2	08/30/99	12.98	6.60	6.38	---	---	---	---	---	---		---	---	SPL
MW-2	02/21/00	12.98	4.64	8.34	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.72		---	---	---
MW-2	02/12/01	12.98	5.13	7.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5		---	---	PACE
														PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TDS (mg/L)	DO (ppm)	LAB
MW-3 (e)	07/21/92	13.38	7.07	6.31	ND<50	0.95	ND<0.5	ND<0.5	ND<0.5	---		---	---	---
MW-3	10/20/92	13.38	8.06	5.32	---	---	---	---	---	---		---	---	---
MW-3	03/05/93	13.38	5.16	8.22	---	---	---	---	---	---		---	---	---
MW-3	04/01/93	13.38	5.25	8.13	---	---	---	---	---	---		---	---	---
MW-3	07/09/93	13.38	5.80	7.58	ND<50	0.6	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	---	PACE
MW-3	10/08/93	13.38	7.17	6.21	ND<50	0.6	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	---	PACE
MW-3	01/06/94	13.38	6.94	6.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	---	PACE
MW-3	04/26/94	13.38	6.18	7.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k)	---	3.1	PACE
MW-3	07/25/94	13.38	6.67	6.71	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k)	---	2.2	PACE
MW-3	10/13/94	13.38	7.43	5.95	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	2.1	PACE
MW-3	01/17/95	13.38	5.07	8.31	---	---	---	---	---	---		---	---	---
MW-3	03/31/95	13.38	4.03	9.35	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	6.6	ATI
MW-3	05/01/95	13.38	4.94	8.44	---	---	---	---	---	---		---	---	---
MW-3	07/12/95	13.38	5.80	7.58	---	---	---	---	---	---		---	---	---
MW-3	10/12/95	13.38	6.64	6.74	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	6.4	ATI
MW-3	02/27/96	13.38	4.75	8.63	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		316	8.5	SPL
MW-3	05/08/96	13.38	5.86	7.52	---	---	---	---	---	---		---	---	---
MW-3	08/09/96	13.38	5.70	7.68	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	7.9	SPL
MW-3	11/07/96	13.38	6.21	7.17	---	---	---	---	---	---		---	---	---
MW-3	02/10/97	13.38	5.14	8.24	---	---	---	---	---	---		---	---	---
MW-3	08/04/97	13.38	6.01	7.37	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	6.6	SPL
MW-3	01/27/98	13.38	4.30	9.08	---	---	---	---	---	---		---	---	---
MW-3	09/02/98	13.38	5.80	7.58	ND<50	ND<0.5	2.2	ND<1.0	ND<1.0	ND<10		---	6.6	SPL
MW-3	02/24/99	13.38	4.34	9.04	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0		---	---	SPL
MW-3	08/30/99	13.38	6.59	6.79	---	---	---	---	---	---		---	---	---
MW-3	02/21/00	13.38	4.56	8.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5		---	---	PACE
MW-3 (j)	02/12/01	13.38	4.98	8.40	---	---	---	---	---	---		---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TDS (mg/L)	DO (ppm)	LAB
MW-4	03/05/93	11.80	4.81	6.99	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---
MW-4	04/01/93	11.80	4.80	7.00	---	---	---	---	---	---		---	---	---
MW-4	07/09/93	11.80	5.54	6.26	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	---	PACE
MW-4	10/08/93	11.80	6.28	5.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	---	PACE
MW-4	01/06/94	11.80	5.82	5.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k)	---	---	PACE
MW-4	04/26/94	11.80	5.50	6.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k)	---	7.4	PACE
MW-4	07/25/94	11.80	5.83	5.97	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k)	---	7.2	PACE
MW-4	10/13/94	11.80	6.26	5.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	6.7	PACE
MW-4	01/17/95	11.80	4.19	7.61	---	---	---	---	---	---		---	---	---
MW-4	03/31/95	11.80	3.96	7.84	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	7.1	ATI
MW-4	05/01/95	11.80	4.49	7.31	---	---	---	---	---	---		---	---	---
MW-4	07/12/95	11.80	5.16	6.64	---	---	---	---	---	---		---	---	---
MW-4	10/12/95	11.80	5.80	6.00	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	6.9	ATI
MW-4	02/27/96	11.80	4.22	7.58	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		256	8.9	SPL
MW-4	05/08/96	11.80	5.00	6.80	---	---	---	---	---	---		---	---	---
MW-4	08/09/96	11.80	5.13	6.67	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	8.5	SPL
MW-4	11/07/96	11.80	5.65	6.15	---	---	---	---	---	---		---	---	---
MW-4	02/10/97	11.80	4.81	6.99	---	---	---	---	---	---		---	---	---
MW-4	08/04/97	11.80	5.72	6.08	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	6.4	SPL
MW-4	01/27/98	11.80	4.06	7.74	---	---	---	---	---	---		---	---	---
MW-4	09/02/98	11.80	4.89	6.91	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	5.8	SPL
MW-4	02/24/99	11.80	3.89	7.91	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0		---	---	SPL
MW-4	08/30/99	11.80	5.62	6.18	---	---	---	---	---	---		---	---	---
MW-4	02/21/00	11.80	4.00	7.80	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.66		---	---	PACE
MW-4	02/12/01	11.80	4.93	6.87	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.982		---	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TDS (mg/L)	DO (ppm)	LAB
MW-5		04/01/93	11.62	4.77	6.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---
MW-5		07/09/93	11.62	5.40	6.22	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	---	PACE
MW-5		10/08/93	11.62	5.87	5.75	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	---	PACE
MW-5		01/06/94	11.62	5.75	5.87	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k)	---	---	PACE
MW-5		04/26/94	11.62	5.49	6.13	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k)	---	7.1	PACE
MW-5		07/25/94	11.62	5.69	5.93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k)	---	6.6	PACE
MW-5		10/13/94	11.62	6.03	5.59	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	3.0	PACE
MW-5		01/17/95	11.62	4.74	6.88	---	---	---	---	---	---		---	---	---
MW-5		03/31/95	11.62	4.58	7.04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	7.1	ATI
MW-5		05/01/95	11.62	4.79	6.83	---	---	---	---	---	---		---	---	---
MW-5		07/12/95	11.62	5.32	6.30	---	---	---	---	---	---		---	---	---
MW-5		10/12/95	11.62	5.70	5.92	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	6.7	ATI
MW-5	(f)	02/27/96	11.62	---	---	---	---	---	---	---	---		---	---	---
MW-5		05/08/96	11.62	4.91	6.71	---	---	---	---	---	---		---	---	---
MW-5		08/09/96	11.62	5.01	6.61	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	7.7	SPL
MW-5		11/07/96	11.62	5.54	6.08	---	---	---	---	---	---		---	---	---
MW-5		02/10/97	11.62	4.66	6.96	---	---	---	---	---	---		---	---	---
MW-5		08/04/97	11.62	5.51	6.11	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	6.9	SPL
MW-5		01/27/98	11.62	4.01	7.61	---	---	---	---	---	---		---	---	---
MW-5		09/02/98	11.62	5.17	6.45	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	6.4	SPL
MW-5		02/24/99	11.62	4.52	7.10	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0		---	---	SPL
MW-5		08/30/99	11.62	6.02	5.60	---	---	---	---	---	---		---	---	---
MW-5		02/21/00	11.62	4.62	7.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5		---	---	PACE
MW-5		02/12/01	11.62	4.80	6.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5		---	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)		B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TDS (mg/L)	DO (ppm)	LAB
RW-1		01/06/94	11.84	5.59	6.25	23000		3800	210	840	2100	4663	(c)(k)	---	---	PACE
QC-1	(d)	01/06/94	---	---	---	24000		3700	210	830	2000	4562	(c)(k)	---	---	PACE
RW-1		04/26/94	11.84	5.21	6.63	24000		3500	120	800	1700	8145	(c)(k)	---	6.4	PACE
QC-1	(d)	04/26/94	---	---	---	22000		3300	110	700	1700	6909	(c)(k)	---	---	PACE
RW-1		07/25/94	11.84	5.52	6.32	31000		4800	290	1100	1700	ND<5.0	(c)(k)	---	5.5	PACE
QC-1	(d)	07/25/94	---	---	---	28000		4400	240	960	1400	20608	(c)(k)	---	---	PACE
RW-1		10/13/94	11.84	6.05	5.79	20000		4200	46	990	440	---	(k)	---	6.8	PACE
RW-1		01/17/95	11.84	4.02	7.82	9600		1500	65	300	2700	---		---	7.7	ATI
RW-1		03/31/95	11.84	3.81	8.03	16000		1500	780	370	2000	---		---	7.8	ATI
RW-1		05/01/95	11.84	4.21	7.63	---		---	---	---	---	---		---	---	---
RW-1		07/12/95	11.84	4.93	6.91	22000		3700	150	950	2800	---		---	7.2	ATI
RW-1		10/12/95	11.84	5.46	6.38	30000		1600	1500	1700	8500	4300		---	7.0	ATI
RW-1		02/27/96	11.84	4.00	7.84	1800		30	24	41	440	52		194	7.7	SPL
QC-1	(d)	02/27/96	---	---	---	1600		30	23	38	420	50		---	---	SPL
RW-1		05/08/96	11.84	4.65	7.19	---		---	---	---	---	---		---	---	---
RW-1		05/09/96	11.84	---	---	3200		19	19	97	800	ND<50		---	7.1	SPL
QC-1	(d)	05/09/96	---	---	---	2900		15	15	78	700	ND<50		---	---	SPL
RW-1		08/09/96	11.84	4.96	6.88	---		---	---	---	---	---		---	---	---
RW-1		08/12/96	11.84	---	---	6900		210	270	390	1920	ND<100		---	7.9	SPL
QC-1	(d)	08/12/96	---	---	---	8200		270	330	450	2330	ND<100		---	---	SPL
RW-1		11/07/96	11.84	5.50	6.34	6100		320	45	ND<10	ND<10	430		---	6.9	SPL
QC-1	(d)	11/07/96	---	---	---	6800		360	45	ND<10	ND<10	500		---	---	SPL
RW-1		02/10/97	11.84	3.85	7.99	170000		ND<120	ND<250	ND<250	ND<250	150000		---	6.7	SPL
RW-1		08/04/97	11.84	4.72	7.12	ND<25000		580	450	630	3700	230000		---	6.9	SPL
RW-1		01/27/98	11.84	3.80	8.04	52000		380	330	490	2970	38000		---	6.1	SPL
QC-1	(d)	01/27/98	---	---	---	51000		380	300	480	2980	36000		---	---	SPL
RW-1		09/02/98	11.84	4.91	6.93	260000		2500	56	1400	3070	250000		---	6.6	SPL
QC-1	(d)	09/02/98	---	---	---	280000		2400	ND<50	1400	3170	270000		---	---	SPL
RW-1		02/24/99	11.84	4.16	7.68	120		ND<1.0	ND<1.0	1.5	13	130/140	(h)	---	---	SPL
RW-1		08/30/99	11.84	5.52	6.32	3100		320	ND<25	120	28	60000		---	---	SPL
RW-1		02/21/00	11.84	3.68	8.16	340	(i)	8.6	1.8	11	66	2500		---	---	PACE
RW-1		08/08/00	11.84	4.85	6.99	1600		3.2	ND<0.5	0.82	1.2	19000		---	---	PACE
RW-1		02/12/01	11.84	4.26	7.58	1500		1.33	ND<0.5	ND<0.5	5.69	2420		---	---	PACE
RW-1		08/13/01	11.84	5.34	6.50	290		ND<0.5	ND<0.5	ND<0.5	ND<1.5	314		---	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TDS (mg/L)	DO (ppm)	LAB
QC-2	(g)	07/09/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	---	PACE
QC-2	(g)	10/08/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	---	PACE
QC-2	(g)	01/06/94	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k)	---	---	PACE
QC-2	(g)	04/26/94	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k)	---	---	PACE
QC-2	(g)	07/25/94	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k)	---	---	PACE
QC-2	(g)	10/13/94	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k)	---	---	PACE
QC-2	(g)	01/17/95	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---	---	ATI
QC-2	(g)	03/31/95	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	ATI
QC-2	(g)	07/12/95	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	ATI
QC-2	(g)	10/12/95	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	ATI
QC-2	(g)	02/27/96	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	SPL
QC-2	(g)	05/09/96	---	---	---	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
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
TDS	Total dissolved solids
DO	Dissolved oxygen
ug/L	Micrograms per liter
mg/L	Milligrams per liter
ppm	Parts per million
---	Not applicable/available/analyzed/measured
ND	Not detected above reported detection limit
PACE	Pace Analytical Services, Inc.
ATI	Analytical Technologies, Inc.
SPL	Southern Petroleum Laboratories

NOTES:

(a) Top of casing elevations surveyed in reference to USGS benchmark (14.108 feet above mean sea level) at northwest corner of Webster Street and Pacific Avenue.

(b) Groundwater elevations in feet above mean sea level.

(c) A copy of the documentation for this data is included in Appendix C of Alisto report 10-155-07-001.

(d) Blind duplicate.

(e) Sample also analyzed for cadmium, nickel, chromium, lead, and zinc. None were detected above the reported detection limit.

(f) Well inaccessible.

(g) Travel blank.

(h) MTBE by EPA Methods 8020/8260.

(i) Gasoline does not include MTBE.

(j) Unable to sample.

(k) A copy of the documentation for this data can be found in Baline Tech Services report 010813-N-2. No chromatograms could be located for MTBE data from wells MW-2, MW-3, MW-4, MW-5, and QC-2, sampled on July 9, 1993; all wells sampled on October 8, 1993; wells MW-1, MW-2, and MW-3, sampled on January 6, 1994; and all wells sampled on October 13, 1994.

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)
A-1	05/01/95	11.56	5.80	0.60	6.21
A-1	05/08/96	11.56	5.49	0.28	6.28
A-1	08/23/96	11.56	6.43	0.22	5.30
A-1	02/10/97	11.56	4.45	0.17	7.24
A-1	08/05/97	11.56	5.96	0.10	5.68
A-1	02/04/98	11.56	3.20	0.04	8.39
A-1	02/24/99	11.56	4.41	0.60	7.60
A-1	08/30/99	11.56	6.04	—	5.52
A-1	02/21/00	11.56	4.23	0.08	7.39
A-1	08/08/00	11.56	5.53	0.13	6.13
A-1	02/12/01	11.56	4.71	—	6.85
A-1	08/13/01	11.56	5.89	0.03	5.69
B-1	02/15/95	12.12	5.37	—	6.75
B-1	05/01/95	12.12	5.12	—	7.00
B-1	05/08/96	12.12	4.80	—	7.32
B-1	08/23/96	12.12	5.54	—	6.58
B-1	02/10/97	12.12	4.59	—	7.53
B-1	08/05/97	12.12	6.44	—	5.68
B-1	02/04/98	12.12	3.01	—	9.11
B-1	02/24/99	12.12	4.29	—	7.83
B-1	08/30/99	12.12	6.21	—	5.91
B-1	02/21/00	12.12	4.59	—	7.53
B-1	08/08/00	12.12	5.9	—	6.22
B-1	02/12/01	12.12	5.41	—	6.71
B-1	08/13/01	12.12	6.35	—	5.77
B-5	02/15/95	10.18	4.15	—	6.03
B-5	05/01/95	10.18	4.43	—	5.75
B-5	05/08/96	10.18	4.40	—	5.78
B-5	08/23/96	10.18	4.99	—	5.19
B-5	02/10/97	10.18	3.63	—	6.55
B-5	08/05/97	10.18	4.89	—	5.29
B-5	02/04/98	10.18	2.53	—	7.65
B-5	02/24/99	10.18	3.39	—	6.79
B-5	08/30/99	10.18	5.16	—	5.02
B-5	02/21/00	10.18	3.51	—	6.67
B-5	08/08/00	10.18	4.63	—	5.55
B-5	02/12/01	10.18	4.05	—	6.13
B-5	08/13/01	10.18	5.04	—	5.14
B-6	02/15/95	11.97	4.70	—	7.27
B-6	05/01/95	11.97	5.03	—	6.94
B-6	05/08/96	11.97	5.23	—	6.74
B-6	08/23/96	11.97	6.05	—	5.92
B-6	02/10/97	11.97	4.37	—	7.60
B-6	08/05/97	11.97	5.75	—	6.22
B-6	02/04/98	11.97	2.71	—	9.26
B-6	02/24/99	11.97	4.18	—	7.79
B-6	08/30/99	11.97	5.91	—	6.06
B-6	02/21/00	11.97	4.46	—	7.51
B-6	08/08/00	11.97	5.42	—	6.55
B-6	02/12/01	11.97	5.32	—	6.65
B-6	08/13/01	11.97	5.92	—	6.05

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)
B-7	02/15/95	10.54	4.22	---	6.32
B-7	05/01/95	10.54	4.50	---	6.04
B-7	08/23/96	10.54	---	---	---
B-7	02/10/97	10.54	---	---	---
B-7	08/05/97	10.54	---	---	---
B-7	02/04/98	10.54	---	---	---
B-7	02/24/99	10.54	3.30	---	7.24
B-7	08/30/99	10.54	5.29	---	5.25
B-7	02/21/00	10.54	4.00	---	6.54
B-7	08/08/00	10.54	4.49	---	6.05
B-7	02/12/01	10.54	4.37	---	6.17
B-7	08/13/01	10.54	4.93	---	5.61
B-8	02/15/95	11.99	4.72	---	7.27
B-8	05/01/95	11.99	5.00	---	6.99
B-8	08/23/96	11.99	---	---	---
B-8	02/10/97	11.99	---	---	---
B-8	08/05/97	11.99	---	---	---
B-8	02/04/98	11.99	---	---	---
B-8	02/24/99	11.99	4.23	---	7.76
B-9	02/15/95	10.70	3.61	---	7.09
B-9	05/01/95	10.70	4.29	---	6.41
B-9	08/23/96	10.70	---	---	---
B-9	02/10/97	10.70	---	---	---
B-9	08/05/97	10.70	---	---	---
B-9	02/04/98	10.70	---	---	---
B-10	05/08/96	11.42	5.55	---	5.87
B-10	08/23/96	11.42	6.19	---	5.23
B-10	02/10/97	11.42	4.58	---	6.84
B-10	08/05/97	11.42	6.30	---	5.12
B-10	02/04/98	11.42	2.89	---	8.53
B-10	02/24/99	11.42	4.23	---	7.19
B-10	08/30/99	11.42	6.36	---	5.06
B-10	02/21/00	11.42	4.35	---	7.07
B-10	08/08/00	11.42	Dry	---	Dry
B-10	02/12/01	11.42	5.33	---	6.09
B-10	08/13/01	11.42	Dry	---	Dry
B-11	05/08/96	11.98	5.00	---	6.98
B-11	08/23/96	11.98	5.61	---	6.37
B-11	02/10/97	11.98	4.07	---	7.91
B-11	08/05/97	11.98	5.60	---	6.38
B-11	02/04/98	11.98	2.59	---	9.39
B-11	02/24/99	11.98	4.19	---	7.79
B-11	08/30/99	11.98	5.80	---	6.18
B-11	02/21/00	11.98	4.21	---	7.77
B-11	08/08/00	11.98	5.19	---	6.79
B-11	02/12/01	11.98	4.74	---	7.24
B-11	08/13/01	11.98	5.65	---	6.33

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)
B-12	05/08/96	11.16	5.08	---	6.08
B-12	08/23/96	11.16	5.65	---	5.51
B-12	02/10/97	11.16	4.11	---	7.05
B-12	08/05/97	11.16	5.61	---	5.55
B-12	02/04/98	11.16	2.63	---	8.53
B-12	02/24/99	11.16	4.00	---	7.16
B-12	08/30/99	11.16	5.84	---	5.32
B-12	02/21/00	11.16	4.31	---	6.85
B-12	08/08/00	11.16	5.15	---	6.01
B-12	02/12/01	11.16	4.89	---	6.27
B-12	08/13/01	11.16	5.64	---	5.52
B-13	05/08/96	11.17	4.97	---	6.20
B-13	08/23/96	11.17	5.63	---	5.54
B-13	02/10/97	11.17	4.12	---	7.05
B-13	08/05/97	11.17	5.65	---	5.52
B-13	02/04/98	11.17	2.69	---	8.48
B-13	02/24/99	11.17	4.03	---	7.14
B-13	08/30/99	11.17	5.74	---	5.43
B-13	02/21/00	11.17	4.24	---	6.93
B-13	08/08/00	11.17	4.99	---	6.18
B-13	02/12/01	11.17	4.76	---	6.41
B-13	08/13/01	11.17	5.55	---	5.62

NOTES:

(a) Top of casing elevations surveyed relative to 1929 NGVD. Measured in feet above mean sea level.

(b) Groundwater elevations assuming a specific gravity of 0.75 for separate-phase product.

--- Not measured.

Analytical Appendix

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

August 16, 2001

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

RE: Lab Project Number: 8522819
Client Project ID: BP Site#11104

Dear Ms. Magyar:

Enclosed are the analytical results for sample(s) received by the laboratory on August 15, 2001. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Paula Kirtley
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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www.pacelabs.com

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Fax: 281.488.4661

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

Lab Project Number: 8522819
Client Project ID: BP Site#11104

Attn: Ms. Cindy Magyar
Phone:

Lab Sample No: 851706829 Project Sample Number: 8522819-001 Date Collected: 08/13/01 11:13
Client Sample ID: A (11104) Matrix: Water Date Received: 08/15/01 11:02

Parameters	Results	Units	Report Limit	Dilution	Analyzed		CAS No.	Ftnote	Reg Lim
GC Volatiles									
GAS by Mod 8015, Water	Prep/Method: EPA 8015 Modified / EPA 8015 Modified								
Gasoline Range Organics	14000	ug/l	500	10.0	08/15/01 20:21	LJAS			
1,4-Difluorobenzene (S)	109	%		1.0	08/15/01 20:21	LJAS			
4-Bromofluorobenzene (S)	95	%		1.0	08/15/01 20:21	LJAS	460-00-4		
SW8021 Aromatics, Water	Prep/Method: See analytical meth / EPA 8021								
Benzene	161.	ug/l	5.00	10.0	08/15/01 20:21	LJAS	71-43-2		
Ethylbenzene	255.	ug/l	5.00	10.0	08/15/01 20:21	LJAS	100-41-4		
Toluene	17.1	ug/l	5.00	10.0	08/15/01 20:21	LJAS	108-88-3		
Xylene (Total)	545.	ug/l	15.0	10.0	08/15/01 20:21	LJAS	1330-20-7		
Methyl-tert-butyl ether	5590	ug/l	25.0	50.0	08/15/01 20:21	LJAS	1634-04-4		
1,4-Difluorobenzene (S)	105	%		1.0	08/15/01 20:21	LJAS			
4-Bromofluorobenzene (S)	95	%		1.0	08/15/01 20:21	LJAS	460-00-4		

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Houston, TX 77058
Phone: 281.488.1810
Fax: 281.488.4661

Lab Project Number: 8522819
Client Project ID: BP Site#11104

Lab Sample No: 851706830 Project Sample Number: 8522819-002 Date Collected: 08/13/01 10:27
Client Sample ID: B (11104) Matrix: Water Date Received: 08/15/01 11:02

Parameters	Results	Units	Report Limit	Dilution	Analyzed		CAS No.	Ftnote	Reg Lim
GC Volatiles									
GAS by Mod 8015, Water	Prep/Method: EPA 8015 Modified / EPA 8015 Modified								
Gasoline Range Organics	290	ug/l	50.	1.0	08/15/01 19:41	LJAS			
1,4-Difluorobenzene (S)	91	%		1.0	08/15/01 19:41	LJAS			
4-Bromofluorobenzene (S)	95	%		1.0	08/15/01 19:41	LJAS	460-00-4		
SW8021 Aromatics, Water	Prep/Method: See analytical meth / EPA 8021								
Benzene	ND	ug/l	0.500	1.0	08/15/01 19:41	LJAS	71-43-2		
Ethylbenzene	ND	ug/l	0.500	1.0	08/15/01 19:41	LJAS	100-41-4		
Toluene	ND	ug/l	0.500	1.0	08/15/01 19:41	LJAS	108-88-3		
Xylene (Total)	ND	ug/l	1.50	1.0	08/15/01 19:41	LJAS	1330-20-7		
Methyl-tert-butyl ether	314.	ug/l	0.500	1.0	08/15/01 19:41	LJAS	1634-04-4		
1,4-Difluorobenzene (S)	97	%		1.0	08/15/01 19:41	LJAS			
4-Bromofluorobenzene (S)	97	%		1.0	08/15/01 19:41	LJAS	460-00-4		

REPORT OF LABORATORY ANALYSIS

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Houston, TX 77058
Phone: 281.488.1810
Fax: 281.488.4661

Lab Project Number: 8522819
Client Project ID: BP Site#11104

PARAMETER FOOTNOTES

ND Not Detected
NC Not Calculable
(S) Surrogate

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 8522819
Client Project ID: BP Site#11104

QC Batch: 56787 Analysis Method: EPA 8021
QC Batch Method: See analytical meth Analysis Description: SW8021 Aromatics, Water
Associated Lab Samples: 851706829 851706830

METHOD BLANK: 851706857
Associated Lab Samples: 851706829 851706830

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	1.50	
Methyl-tert-butyl ether	ug/l	ND	0.500	
1,4-Difluorobenzene (S)	%	97		
4-Bromofluorobenzene (S)	%	97		

LABORATORY CONTROL SAMPLE & LCSD: 851706858 851706859

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	RPD	Footnotes
Benzene	ug/l	50	49.40	49.74	99	100	1	
Ethylbenzene	ug/l	50	54.94	55.34	110	111	1	
Toluene	ug/l	50	54.55	54.77	109	110	0	
Xylene (Total)	ug/l	100	108.6	109.2	109	109	1	
Methyl-tert-butyl ether	ug/l	50	52.04	53.90	104	108	4	
1,4-Difluorobenzene (S)					98	98		
4-Bromofluorobenzene (S)					97	98		

REPORT OF LABORATORY ANALYSIS

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Fax: 281.488.4661

QUALITY CONTROL DATA

Lab Project Number: 8522819
Client Project ID: BP Site#11104

QC Batch: 56788 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 8015 Modified Analysis Description: GAS by Mod 8015, Water
Associated Lab Samples: 851706829 851706830

METHOD BLANK: 851706860
Associated Lab Samples: 851706829 851706830

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Gasoline Range Organics	ug/l	ND	50.	
1,4-Difluorobenzene (S)	%	91		
4-Bromofluorobenzene (S)	%	95		

LABORATORY CONTROL SAMPLE & LCSD: 851706861 851706862

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	RPD	Footnotes
Gasoline Range Organics	ug/l	1000	1002	857.7	100	86	16	
1,4-Difluorobenzene (S)					114	113		
4-Bromofluorobenzene (S)					96	94		

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900 Gemini Avenue
Houston, TX 77058
Phone: 281.488.1810
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Lab Project Number: 8522819
Client Project ID: BP Site#11104

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

BP

CHAIN OF CUSTODY

Page 1 of 1

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

BP SITE NUMBER	BP SITE / FACILITY ADDRESS	CONSULTANT PROJECT NUMBER
11104	1716 Webster St., Alameda	010813-N2

CONSULTANT PROJECT MANAGER	PHONE NUMBER	FAX NUMBER	CONSULTANT CONTRACT NUMBER
Scott Boor	(408) 573-0555 x 223	(408) 573-7771	J587890
BP CONTACT	**BP ADDRESS**	**PHONE NUMBER**	**FAX NO.**
Scott Hooton	295 SW 41st Street, Suite N, Renton WA	(425) 251-0689	(425) 251-0736
LAB CONTACT	**LABORATORY ADDRESS**	**PHONE NUMBER**	**FAX NO.**
Pace - Paula Kirtley	900 Gemini Ave., Houston, TX 77058	(281) 488-1810	(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 NO.	CONTAINERS TYPE (VOL)	PRESERVATIVE LAB SAMPLE #	TPH-G + BTEX / MTBE (8015M) (8020)	TPH-D (8015M)	FUEL OXYGENATES (8260)	1,2 DCA + EDB (8010)						COMMENTS
A	8/13/01	1113	W	3	40mL	HCl	X									857706829
B	↓	1024	W	3	↓	↓	X									30

SAMPLED BY (Please Print Name): Michael Minokata

SAMPLED BY (Signature):

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY / AFFILIATION (Print Name / Signature)	DATE	TIME
Michael Minokata /	8/14/01	1410	AIRBORNE EXPRESS	8/14/01	1410
			Jana McKinney	8/15/01	1102

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Scott Hooton
BP Oil
295 SW 41st St.
Renton, WA 98055

28-Nov-00

EPA 8020 Chromatogram Revlew

Site - 11104

Pace Sample #	Matrix / Units	Sample ID	Date Sampled	Date Run	Inst.	MTBE	
70 0110653	Water / ug/L	MW-1	7/9/93	7/19/93	70-Q-2	11919	**
70 0110661	Water / ug/L	MW-2	7/9/93	7/17/93	*	*	
70 0110670	Water / ug/L	MW-3	7/9/93	7/17/93	*	*	
70 0110688	Water / ug/L	MW-4	7/9/93	7/17/93	*	*	
70 0110696	Water / ug/L	MW-5	7/9/93	7/17/93	*	*	
70 0110700	Water / ug/L	QC-1	7/9/93	7/19/93	70-Q-2	12952	**
70 0110718	Water / ug/L	QC-2	7/9/93	7/17/93	*	*	
70 0169798	Water / ug/L	MW-1	10/8/93	10/15/93	*	*	
70 0169801	Water / ug/L	MW-2	10/8/93	10/15/93	*	*	
70 0169810	Water / ug/L	MW-3	10/8/93	10/15/93	*	*	
70 0169828	Water / ug/L	MW-4	10/8/93	10/15/93	*	*	
70 0169836	Water / ug/L	MW-5	10/8/93	10/15/93	*	*	
70 0169844	Water / ug/L	QC-1	10/8/93	10/15/93	*	*	
70 0169852	Water / ug/L	QC-2	10/8/93	10/15/93	*	*	
70 0225914	Water / ug/L	MW-1	1/6/94	1/11/94	*	*	
70 0225922	Water / ug/L	MW-2	1/6/94	1/11/94	*	*	
70 0225930	Water / ug/L	MW-3	1/6/94	1/11/94	*	*	
70 0225949	Water / ug/L	MW-4	1/6/94	1/12/94	70-Q-8	<5.0	
70 0225957	Water / ug/L	MW-5	1/6/94	1/12/94	70-Q-8	<5.0	
70 0225965	Water / ug/L	QC-1	1/6/94	1/12/94	70-Q-8	4562	
70 0225973	Water / ug/L	QC-2	1/6/94	1/12/94	70-Q-8	<5.0	
70 0225981	Water / ug/L	RW-1	1/6/94	1/12/94	70-Q-8	4663	
70 0312361	Water / ug/L	MW-1	4/26/94	5/2/94	70-Q-1	16663	**
70 0312370	Water / ug/L	MW-2	4/26/94	5/2/94	70-Q-1	<5.0	
70 0312388	Water / ug/L	MW-3	4/26/94	5/2/94	70-Q-1	<5.0	
70 0312396	Water / ug/L	MW-4	4/26/94	5/2/94	70-Q-1	<5.0	
70 0312400	Water / ug/L	MW-5	4/26/94	5/2/94	70-Q-1	<5.0	
70 0312418	Water / ug/L	RW-1	4/26/94	5/3/94	70-Q-1	8145	
70 0312426	Water / ug/L	QC-1	4/26/94	5/3/94	70-Q-1	6909	**
70 0312434	Water / ug/L	QC-2	4/26/94	5/3/94	70-Q-1	<5.0	
70 0361974	Water / ug/L	S-1 MW5	7/25/94	7/25/94	70-Q-8	<5.0	
70 0361982	Water / ug/L	S-2 MW4	7/25/94	8/1/94	70-Q-8	<5.0	
70 0361990	Water / ug/L	S-3 MW3	7/25/94	8/1/94	70-Q-8	<5.0	
70 0362008	Water / ug/L	S-4 MW2	7/25/94	8/1/94	70-Q-8	11.59	
70 0362016	Water / ug/L	S-5 MW1	7/25/94	8/1/94	70-Q-8	26428	
70 0362024	Water / ug/L	S-6 RW1	7/25/94	8/1/94	70-Q-8	<5.0	
70 0362032	Water / ug/L	S-7 QC	7/25/94	8/1/94	70-Q-8	20608	

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Pace Sample #	Matrix / Units	Sample ID	Date Sampled	Date Run	Inst.	MTBE
70 0362040	Water / ug/L	S-8 DUP	7/25/94	8/1/94	70-Q-8	<5.0
70 0423570	Water / ug/L	S-1 MW6	10/13/94	10/18/94	*	*
70 0423589	Water / ug/L	S-2 MW4	10/13/94	10/18/94	*	*
70 0423597	Water / ug/L	S-3 MW3	10/13/94	10/18/94	*	*
70 0423600	Water / ug/L	S-4 MW2	10/13/94	10/18/94	*	*
70 0423619	Water / ug/L	S-5 DUP1	10/13/94	10/20/94	*	*
70 0423627	Water / ug/L	S-6 MW1	10/13/94	10/18/94	*	*
70 0423635	Water / ug/L	S-7 DUP	10/13/94	10/20/94	*	*
70 0423643	Water / ug/L	S-8 DUP	10/13/94	10/18/94	*	*

* No chromatograms could be located for these samples.

** The MTBE result is above the calibration range.

For all samples above, the MTBE results were quantitated against an actual MTBE standard. However, the results should still be considered estimated because the instrument may not have been calibrated for MTBE at the time of analysis and the identification of MTBE was not confirmed.

SEQUOIA ANALYTICAL

Peggy Penner
Laboratory Director

Field
Data
Sheets

BP WELL MONITORING DATA SHEET

Project #: 010813-N2	Station # 11104
Sampler: Mike N	Date: 8/13/01
Well I.D.: MW-1 (4)	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 15.82	Depth to Water: 6.44
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^2 * 0.163

Purge Method: Bailer; (Disposable Bailer); Middleburg; Electric Submersible; Extraction Pump; Other: ___

Sampling Method: ~~Bailer~~; (Disposable Bailer); Extraction Port; Other: ___

1.5 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 4.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1103	70.0	7.0	656	1.5	Sheen, Odor
1106	70.1	6.9	696	3.0	
~~1108~~ 1108	69.7	6.9	707	4.5	

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Time: 1113 Sampling Date: 8/13/01

Sample I.D. (Blind): A 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 #: 010813-N1	Station # 1104
Sampler: Mike N	Date: 8/13/01
Well I.D.: RW-1 - (B)	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: 22.35	Depth to Water: 5.34
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^2 * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg / ~~Electric Submersible~~ / Extraction Pump / Other: ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ___

25.0	X	3	=	75.0 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1013	67.7	7.0	768	25.0	Brown, cloudy, odor
1016	69.1	6.8	693	50.0	
1019	70.0	6.8	687	75.0	

Did well dewater? Yes (No)		Gallons actually evacuated: 75.0	
Sampling Time: 1024		Sampling Date: 8/13/01	
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