bp

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

August 23, 2001

Mr. Don Hwang
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502-6577

SEP 18 2001

Re: Former BP Oil Site No. 11117
7210 Bancroft Avenue
Oakland, CA

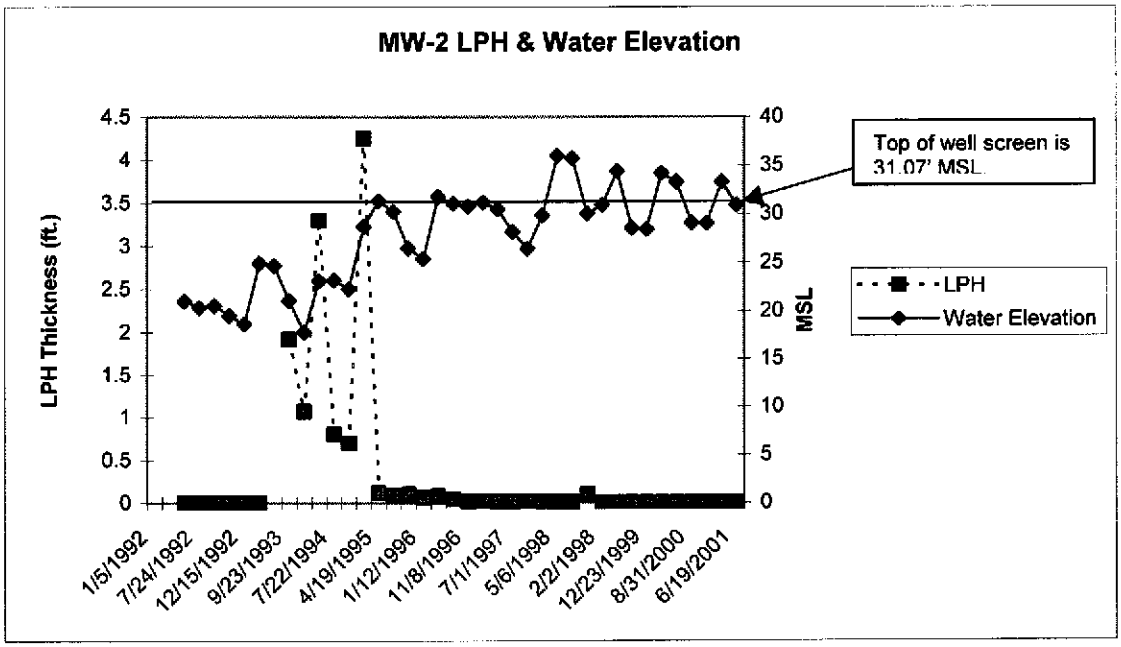
Direct: 425/251-0689
Cell: 206/919-5029
hootonst@bp.com
www.bp.com

Dear Mr. Hwang:

This letter transmits the *First Quarter 2001 Groundwater Monitoring* report dated 25 April 2001 prepared by Blaine Tech Services on behalf of BP. This letter also responds to concerns raised in a 25 July 2001 letter from the Alameda County Health Care Services regarding the rising MTBE concentrations documented in some of the monitoring wells over the past couple of years, and how those rising concentrations have prompted requirements for additional assessment and a Corrective Action Plan.

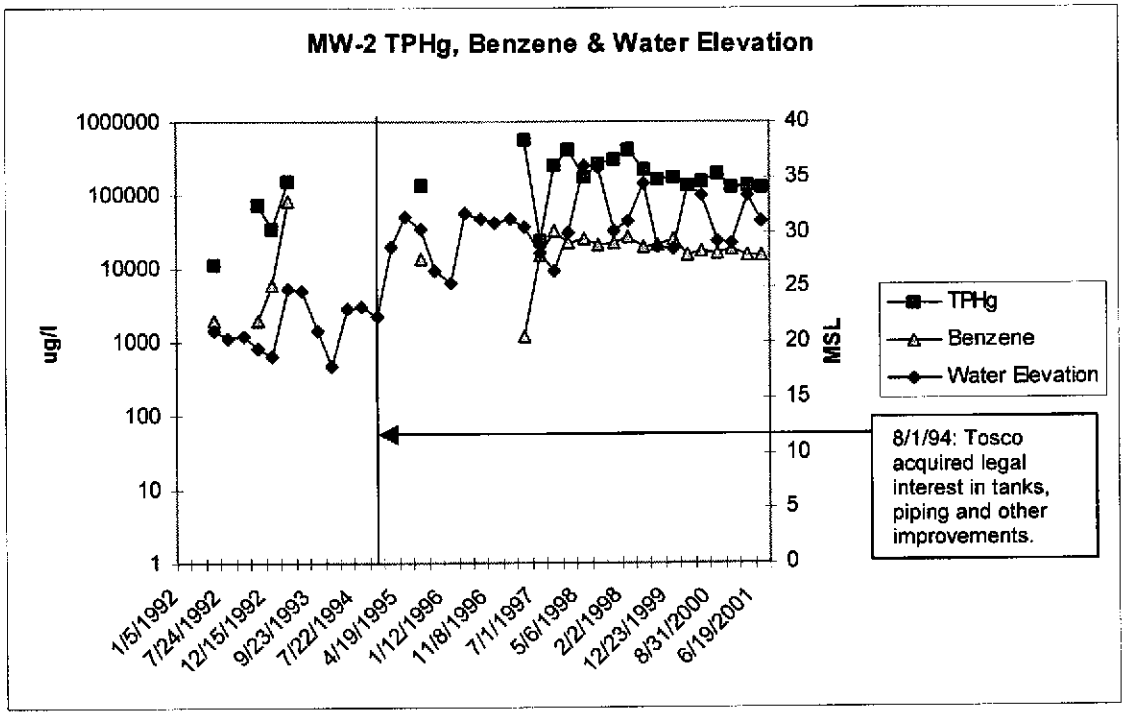
A petroleum release was documented during 1991 when a site assessment was performed in support of the property owner's plans to refinance an adjacent shopping center property, which also includes the BP site. After BP performed several iterations of groundwater monitoring and site assessment, the business and related improvements were sold to the current operator (Tosco Corporation) in 1994. Tosco replaced the UST system at this site during 1998. Enclosed find a copy of a report documenting sample results associated with the replacement of the UST system prepared by Environmental Resolutions on behalf of Tosco.

The enclosed groundwater monitoring and sampling reports includes laboratory data for samples collected on 19 June 2001. These results show that accumulations of liquid petroleum hydrocarbon have not been measured in monitoring well MW-2 since 1998. Apparent product thickness and water elevation data are shown below.



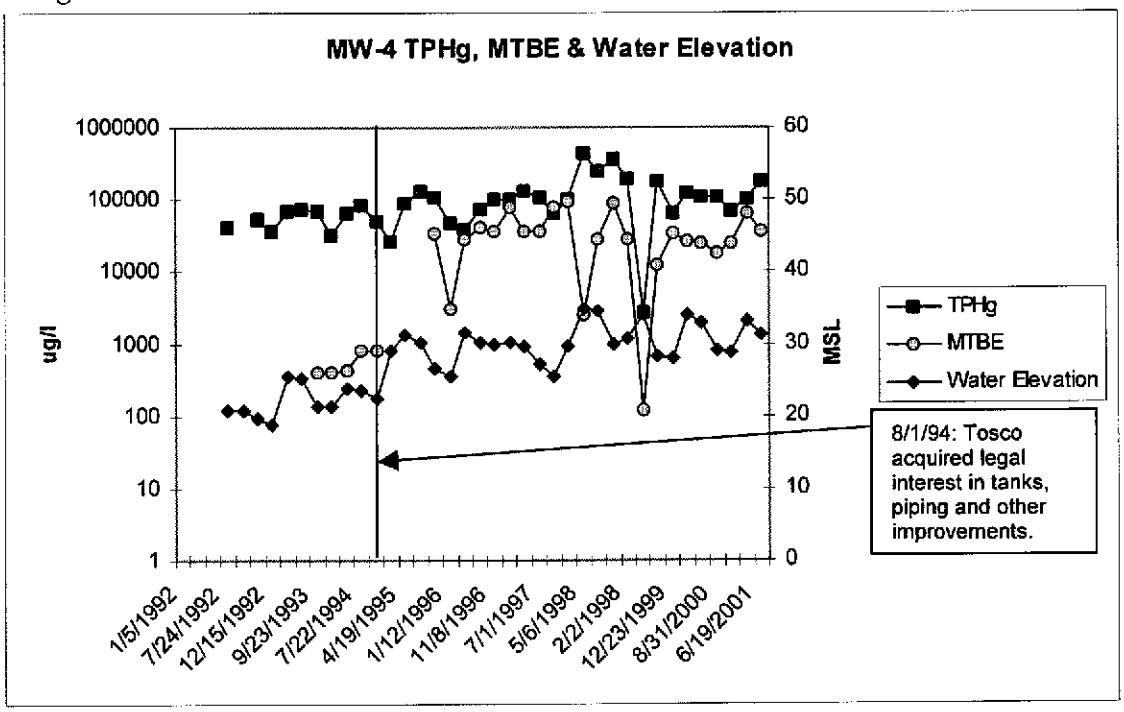
It is noted that the depth to water measurements occasionally show water elevations above the well screen. However, there appear to be a sufficient number of measurements obtained when the well screen is not submerged to conclude that liquid petroleum hydrocarbon in well MW-2 has been abated to the extent practicable.

Consistent with prior sampling events, the highest concentration of benzene detected in samples obtained on 19 June 2001 is associated with well MW-2 (15,100 µg/l). Benzene and water elevation data are shown below.



The graph shows generally declining concentrations of TPHg and Benzene in MW-2 samples since at least 1997. These declining concentrations are consistent with the abatement of liquid petroleum hydrocarbon and the natural attenuation of remnant dissolved gasoline constituents.

Also consistent with prior sampling events, the highest concentration of MTBE detected in samples obtained on 19 June 2001 is associated with well MW-4 (36,100 µg/l). MTBE, TPHg and water elevation data are shown below.



The graph shows that substantially higher concentrations of MTBE were detected during 1996. Rising MTBE concentrations have also been documented in wells MW-1, MW-2, MW-3, MW-6, MW-7 and MW-10. Rising concentrations of MTBE detected in the groundwater are believed to be a consequence of the composition of gasoline dispensed during Tosco's operations.

This change in conditions is understood to be the primary reason for the requirements for additional assessment described in the Alameda County Health Care Services Agency letter. If this is not the case, please let me knowas this issue is relevant to BP's discussions with Tosco. Since the requirements for additional assessment stem from increasing concentrations documented during Tosco's operations, BP plans to take this matter up with Tosco so that an appropriate allocation of future response costs can be negotiated.

Based on the rising concentrations of MTBE detected in groundwater since 1996, BP proposes to modify the sampling frequency for the existing monitoring wells as summarized on the following table.

Monitoring Well	Current Frequency	Proposed Frequency
MW-1	Biannual	Quarterly
MW-2	Quarterly	Quarterly
MW-3	Annual	Biannual
MW-4	Quarterly	Quarterly
MW-6	Biannual	Quarterly
MW-7	Biannual	Quarterly
MW-8	Annual	Annual
MW-9 (Now in Service)	Annual	Biannual
MW-10	Biannual	Quarterly

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

Sincerely,

Scott Hooton

Attachments

cc: site file
D. Camille - Tosco (w/Blaine report)
Khaled Rahman - Cambria (w/ Blaine report)

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

RECEIVED
AUG - 6
→ BP OIL COMPANY ←
MIDWEST ENVIRONMENTAL SERVICES

August 2, 2001

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

SEP 18 2001

2nd Quarter 2001 Monitoring at 11117

Second Quarter 2001 Groundwater Monitoring
BP Service Station Number 11117
7210 Bancroft Avenue
Oakland, CA

Monitoring Performed on June 19, 2001

Groundwater Sampling Report **010619-C-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.

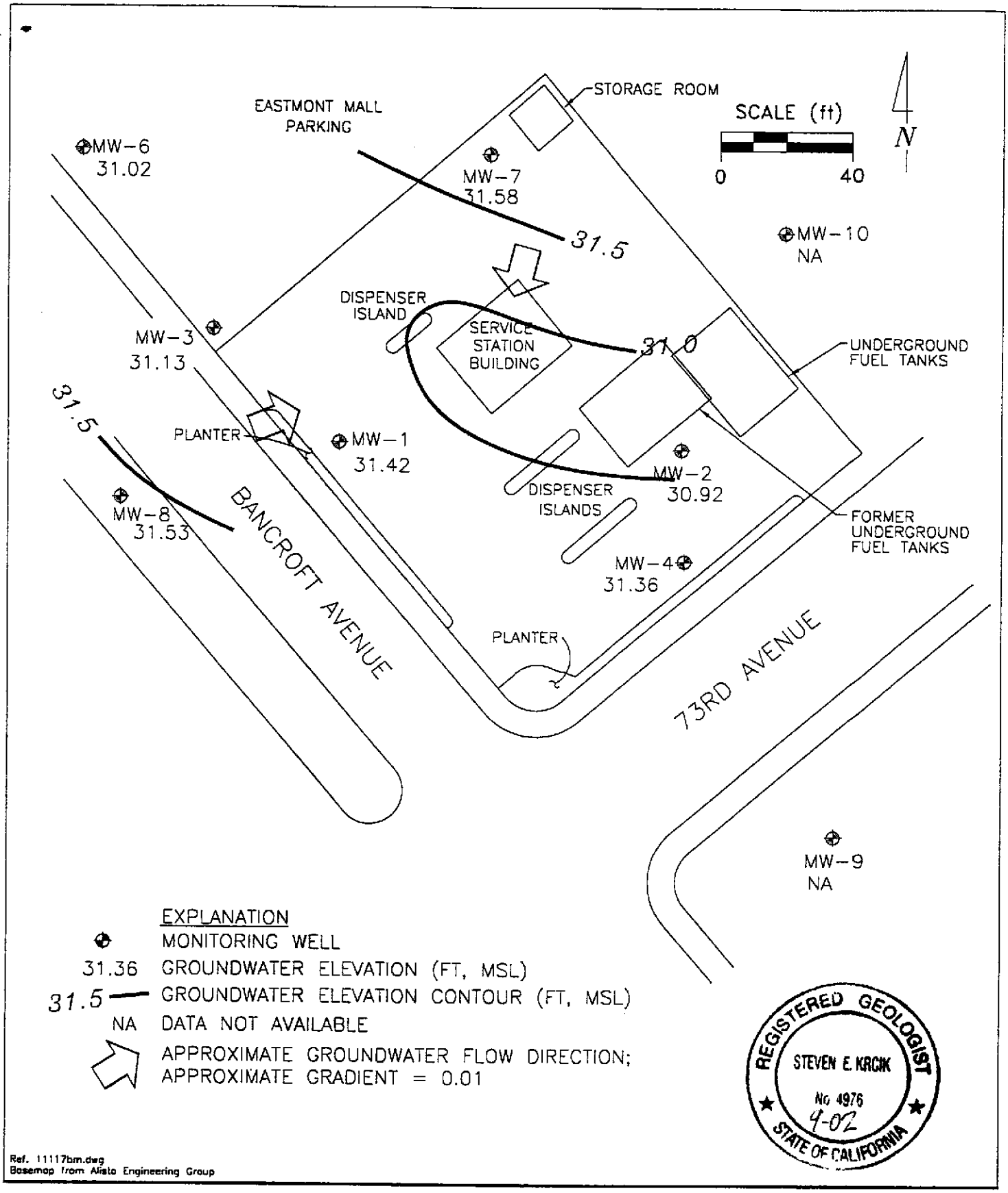
Yours truly,

Francis Thie
Vice President

FPT/ks

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

Professional Engineering Appendix



Ref. 11117bm.dwg
Basemap from Alisto Engineering Group

PREPARED BY

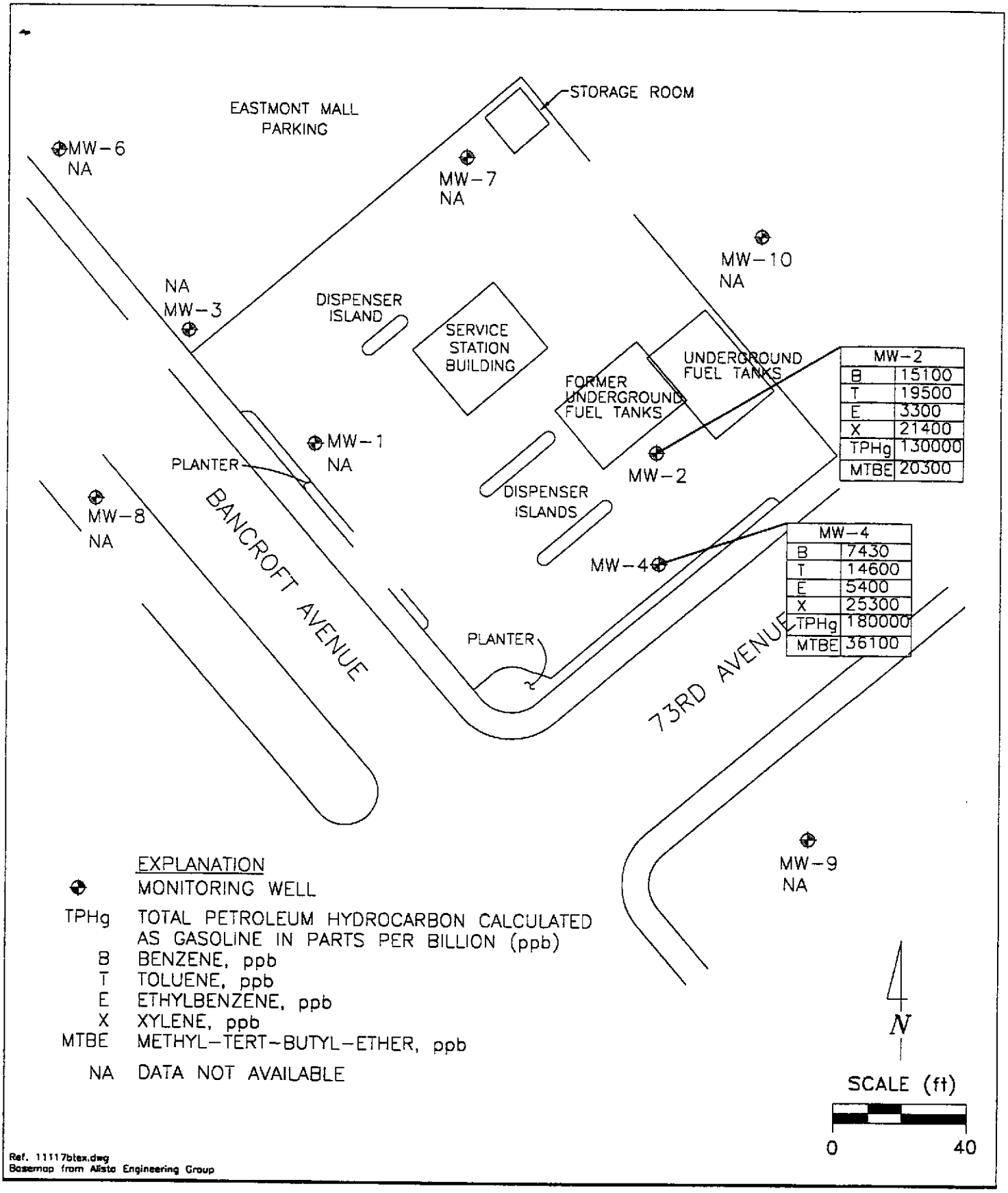
RRM
engineering contracting firm

BP Oil Service Station No. 11117
7210 Bancroft Avenue
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP, JUNE 19, 2001

FIGURE: 1

PROJECT: DAC04



PREPARED BY

RRM engineering contracting firm

BP Oil Service Station No. 11117
7210 Bancroft Avenue
Oakland, California

HYDROCARBON CONCENTRATION MAP, JUNE 19, 2001

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)		Organic Lead (ug/L)	DO (ppm)	LAB
MW-1	01/05/92	49.80	33.16	---	16.64	57000	50000	2400	1000	1100	3100	---		ND	---	---
MW-1	01/10/92	49.80	33.16	---	16.64	---	---	---	---	---	---	---		---	---	---
MW-1	06/05/92	49.80	29.01	---	20.79	31000	---	2800	2100	800	2300	---		---	---	---
MW-1	07/24/92	49.80	29.45	---	20.35	---	---	---	---	---	---	---		---	---	---
MW-1	07/27/92	49.80	29.45	---	20.35	---	---	---	---	---	---	---		---	---	---
MW-1	09/15/92	49.80	30.53	---	19.27	40000	1200 (c)	3400	3000	1300	3400	---		---	---	---
QC-1 (d)	09/15/92	---	---	---	---	36000	---	3800	3400	1400	3800	---		---	---	AN/
MW-1	12/15/92	49.80	31.26	---	18.54	27000	1100 (c)	1700	580	700	1900	---		---	---	AN/
QC-1 (d)	12/15/92	---	---	---	---	22000	---	1500	440	510	1300	---		---	---	AN/
MW-1	03/15/93	49.80	24.80	---	25.00	17000	580	1700	1200	590	1800	---	(l)	---	---	AN/
QC-1 (d)	03/15/93	---	---	---	---	15000	---	1100	860	440	1400	---	(l)	---	---	PAC
MW-1	06/07/93	49.80	25.01	---	24.79	750	100	0.8	0.8	ND<0.5	ND<0.5	---	(l)	---	---	PAC
QC-1 (d)	06/07/93	---	---	---	---	720	---	0.7	0.7	ND<0.5	ND<0.5	---	(l)	---	---	PAC
MW-1	09/23/93	49.80	28.70	---	21.10	40000	770	4000	500	920	3000	6619	(e)(l)	---	---	PAC
MW-1	12/27/93	49.80	28.66	---	21.14	27000	---	2000	400	940	2600	13558	(e)(l)	---	---	PAC
QC-1 (d)	12/27/93	---	---	---	---	21000	---	1700	380	830	2400	9219	(e)(l)	---	---	PAC
MW-1	04/05/94	49.80	26.37	---	23.43	27000	---	3400	930	950	2900	8595	(e)(l)	---	---	PAC
QC-1 (d)	04/05/94	---	---	---	---	29000	---	3700	1000	1000	3100	9672	(e)(l)	---	1.3	PAC
MW-1	07/22/94	49.80	26.54	---	23.26	1700	---	220	2.3	2.0	3.4	262	(e)(l)	---	2.0	PAC
MW-1	10/13/94	49.80	27.46	---	22.34	1200	---	250	21	ND<0.5	3.2	321	(e)(l)	---	2.6	PAC
MW-1	01/25/95	49.80	20.96	---	28.84	1000	---	420	8	13	4	---		---	---	ATI
MW-1	04/19/95	49.80	19.59	---	30.21	5200	---	420	51	230	340	---		---	6.0	ATI
MW-1	07/05/95	49.80	19.61	---	30.19	320	---	4.2	ND<0.50	ND<0.50	ND<1.0	---		---	4.6	ATI
MW-1	10/05/95	49.80	24.40	---	25.40	5800	---	1000	40	31	180	7800		---	2.3	ATI
MW-1	01/12/96	49.80	25.44	---	24.36	370	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	3.7	ATI
MW-1	04/22/96	49.80	18.02	---	31.78	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	3.9	SPL
MW-1	07/02/96	49.80	19.72	---	30.08	---	---	---	---	---	---	---		---	---	---
MW-1	07/03/96	49.80	---	---	---	ND<250	---	ND<2.5	ND<5	ND<5	ND<5	ND<50		---	3.6	SPL
MW-1	11/08/96	49.80	19.98	---	29.82	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.3	SPL
MW-1	01/03/97	49.80	19.49	---	30.31	ND<50	---	ND<0.5	14	ND<1.0	ND<1.0	ND<10		---	4.6	SPL
MW-1	04/28/97	49.80	20.20	---	29.60	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	3.9	SPL
MW-1	07/01/97	49.80	22.53	---	27.27	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	3.9	SPL
MW-1	10/02/97	49.80	24.27	---	25.53	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.6	SPL
MW-1	01/09/98	49.80	21.07	---	28.73	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.2	SPL
MW-1	05/06/98	49.80	14.94	---	34.86	60	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	3.8	SPL
MW-1	07/21/98	49.80	15.11	---	34.69	70	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	3.8	SPL
MW-1	12/30/98	49.80	19.95	---	29.85	---	---	---	---	---	---	---		---	---	---

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)	Organic Lead (ug/L)	DO (ppm)	LAB
MW-1	02/02/99	49.80	19.12	---	30.68	420	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	390	---	---	SPL
MW-1	05/10/99	49.80	15.51	---	34.29	---	---	---	---	---	---	---	---	---	---
MW-1	09/23/99	49.80	21.65	---	28.15	440	---	49	ND<1.0	ND<1.0	ND<1.0	910	---	---	SPL
MW-1	12/23/99	49.80	22.32	---	27.48	---	---	---	---	---	---	---	---	---	---
MW-1	03/27/00	49.80	15.72	---	34.08	2500	---	230	3.0	83	36	4400	---	---	PACI
MW-1	05/22/00	49.80	16.92	---	32.88	---	---	---	---	---	---	---	---	---	---
MW-1	08/31/00	49.80	20.12	---	29.68	1700	---	18	5.5	7.9	5.0	510	---	---	PACI
MW-1	12/11/00	49.80	20.72	---	29.08	---	---	---	---	---	---	---	---	---	---
MW-1	03/20/01	49.80	15.91	---	33.89	880	---	38.2	ND<0.5	24.1	ND<1.5	391	---	---	PACI
MW-1	06/19/01	49.80	18.38	---	31.42	---	---	---	---	---	---	---	---	---	---

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)	Organic Lead (ug/L)	DO (ppm)	LAB
MW-2	01/05/92	51.07	DRY	---	DRY	---	---	---	---	---	---	---	---	---	---
MW-2	01/10/92	51.07	DRY	---	DRY	---	---	---	---	---	---	---	---	---	---
MW-2	06/05/92	51.07	30.05	---	21.02	11000	---	2000	180	490	1900	---	---	---	---
MW-2	07/24/92	51.07	30.72	---	20.35	---	---	---	---	---	---	---	---	---	---
MW-2	07/27/92	51.07	30.52	---	20.55	---	---	---	---	---	---	---	---	---	---
MW-2	09/15/92	51.07	31.56	---	19.51	75000	3200 (c)	2000	6500	2300	13000	---	---	---	AN/
MW-2	12/15/92	51.07	32.40	---	18.67	34000	1600 (c)	6200	8900	2000	7900	---	---	---	AN/
MW-2	03/15/93	51.07	26.14	---	24.93	150000	8400	12000	18000	3200	22000	82000 (e)	---	---	PAC
MW-2 (f)	06/07/93	51.07	26.38	SHEEN	24.69	---	---	---	---	---	---	---	---	---	---
MW-2 (f)	09/23/93	51.07	31.43	1.92	21.08	---	---	---	---	---	---	---	---	---	---
MW-2 (f)	12/27/93	51.07	34.07	1.07	17.80	---	---	---	---	---	---	---	---	---	---
MW-2 (f)	04/05/94	51.07	30.44	3.30	23.11	---	---	---	---	---	---	---	---	---	---
MW-2 (f)	07/22/94	51.07	28.51	0.80	23.16	---	---	---	---	---	---	---	---	---	---
MW-2 (f)	10/13/94	51.07	29.33	0.70	22.27	---	---	---	---	---	---	---	---	---	---
MW-2 (f)	01/25/95	51.07	25.55	4.25	28.71	---	---	---	---	---	---	---	---	---	---
MW-2 (f)	04/19/95	51.07	19.78	0.12	31.38	---	---	---	---	---	---	---	---	---	---
MW-2	07/05/95	51.07	20.88	0.09	30.26	140000	---	14000	30000	3500	26000	---	---	---	ATI
MW-2 (f)	10/05/95	51.07	24.68	0.10	26.47	---	---	---	---	---	---	---	---	---	---
MW-2 (f)	01/12/96	51.07	25.72	0.06	25.40	---	---	---	---	---	---	---	---	---	---
MW-2 (f)	04/22/96	51.07	19.33	0.08	31.80	---	---	---	---	---	---	---	---	---	---
MW-2 (f)	07/02/96	51.07	20.01	0.04	31.09	---	---	---	---	---	---	---	---	---	---
MW-2 (f)	11/08/96	51.07	20.28	0.01	30.80	---	---	---	---	---	---	---	---	---	---
MW-2 (f)	01/03/97	51.07	19.87	0.02	31.22	---	---	---	---	---	---	---	---	---	---
MW-2	04/28/97	51.07	20.59	0.01	30.49	560000	---	1200	1300	290	2310	6100	---	3.9	SPL
MW-2	07/01/97	51.07	22.90	0.01	28.18	24000	---	15000	16000	4900	24400	63000	---	3.7	SPL
QC-1 (d)	07/01/97	---	---	---	---	150000	---	14000	13000	1800	14200	57000	---	---	SPL
MW-2	10/02/97	51.07	24.65	0.02	26.44	---	---	---	---	---	---	---	---	---	---
MW-2	10/03/97	51.07	---	---	---	250000	---	32000	39000	6000	42000	160000	---	4.5	SPL
MW-2	01/09/98	51.07	21.22	0.01	29.86	420000	---	23000	29000	5800	43000	75000	---	4.0	SPL
QC-1 (d)	01/09/98	---	---	---	---	300000	---	20000	25000	5200	37000	84000	---	---	SPL
MW-2	05/06/98	51.07	15.10	0.01	35.98	180000	---	25000	26000	3400	22900	35000	---	3.7	SPL
MW-2	07/21/98	51.07	15.31	0.01	35.77	270000	---	21000	20000	2700	18800	34000	---	3.8	SPL
MW-2	12/30/98	51.07	21.10	0.10	30.05	300000	---	22000	24000	4200	26000	89000/95000 (j)	---	---	SPL
MW-2	02/02/98	51.07	20.11	---	30.96	410000	---	27000	43000	6700	50000	20000	---	---	SPL
MW-2	05/10/99	51.07	16.68	---	34.39	220000	---	20000	20000	2800	20000	100000	---	---	SPL
MW-2	09/23/99	51.07	22.50	---	28.57	160000	---	21000	24000	2900	20000	44000	---	---	SPL
MW-2 (k)	12/23/99	51.07	22.64	---	28.43	170000	---	25000	41000	3100	24000	40000	---	---	PACI

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)	Organic Lead (ug/L)	DO (ppm)	LAI
MW-2	03/27/00	51.07	16.88	---	34.19	140000	---	15000	25000	3400	21000	19000	---	---	PAC
MW-2	05/22/00	51.07	17.75	---	33.32	150000	---	18000	31000	3500	22000	26000	---	---	PAC
MW-2	08/31/00	51.07	21.97	---	29.10	200000	---	16000	26000	2500	16000	38000	---	---	PAC
MW-2	12/11/00	51.07	22.05	---	29.02	130000	---	18600	30000	3250	20600	21700	---	---	PAC
MW-2	03/20/01	51.07	17.75	---	33.32	140000	---	15900	24800	3700	22100	12900	---	---	PAC
MW-2	06/19/01	51.07	20.15	---	30.92	130000	---	15100	19500	3300	21400	20300	---	---	PAC

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)		Organic Lead (ug/L)	DO (ppm)	LAB
MW-3	01/05/92	49.95	33.69	---	16.26	7400	4000	790	23	210	40	---		ND	---	---
MW-3	01/10/92	49.95	33.74	---	16.21	---	---	---	---	---	---	---		---	---	---
MW-3	06/05/92	49.95	29.65	---	20.30	2000	---	130	5.3	93	20	---		---	---	---
MW-3	07/24/92	49.95	30.14	---	19.81	---	---	---	---	---	---	---		---	---	---
MW-3	07/27/92	49.95	30.14	---	19.81	---	---	---	---	---	---	---		---	---	---
MW-3	09/15/92	49.95	31.07	---	18.88	450	ND<50	55	3.1	34	7.1	---		---	---	ANA
MW-3	12/15/92	49.95	31.93	---	18.02	12000	710 (c)	940	ND<50	310	120	---		---	---	ANA
MW-3	03/15/93	49.95	25.71	---	24.24	ND<50	60	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(l)	---	---	PACI
MW-3	06/07/93	49.95	25.80	---	24.15	150	ND<50	3.6	ND<0.5	0.9	1.3	---	(l)	---	---	PACI
MW-3	09/23/93	49.95	29.18	---	20.77	---	---	---	---	---	---	---		---	---	---
MW-3	09/24/93	49.95	---	---	---	160	ND<50	8.4	ND<0.5	3.7	1.3	15.3	(l)	---	---	PACI
MW-3	12/27/93	49.95	29.25	---	20.70	9400	---	1100	48	530	120	2871	(e)(l)	---	---	PACI
MW-3	04/05/94	49.95	26.84	---	23.11	7000	---	860	19	330	52	10414	(l)	---	2.0	PACI
MW-3	07/22/94	49.95	26.90	---	23.11	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	2.1	PACI
MW-3	10/13/94	49.95	27.83	---	22.12	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	2.6	PACI
MW-3	01/25/95	49.95	21.65	---	28.30	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---	---	ATI
MW-3	04/19/95	49.95	19.33	---	30.62	2400	---	170	8.0	130	27	---		---	5.0	ATI
MW-3	07/05/95	49.95	20.27	---	29.68	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	4.4	ATI
MW-3	10/05/95	49.95	23.73	---	26.22	2300	---	210	3.1	10	5.1	2400		---	4.2	ATI
MW-3	01/12/96	49.95	24.84	---	25.11	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	4.1	ATI
MW-3	04/22/96	49.95	18.60	---	31.35	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	4.4	SPL
MW-3	07/02/96	49.95	18.88	---	31.07	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	4.2	SPL
MW-3	11/08/96	49.95	19.14	---	30.81	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.4	SPL
MW-3	01/03/97	49.95	18.72	---	31.23	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.6	SPL
MW-3	04/28/97	49.95	19.38	---	30.57	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.2	SPL
MW-3	07/01/97	49.95	21.65	---	28.30	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	3.8	SPL
MW-3	10/02/97	49.95	23.45	---	26.50	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.5	SPL
MW-3	01/09/98	49.95	20.10	---	29.85	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.1	SPL
MW-3	05/06/98	49.95	15.57	---	34.38	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	3.8	SPL
MW-3	07/21/98	49.95	15.88	---	34.07	51	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	3.8	SPL
QC-1 (d)	07/21/98	---	---	---	---	60	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	SPL
MW-3	12/30/98	49.95	20.30	---	29.65	---	---	---	---	---	---	---		---	---	SPL
MW-3	02/02/99	49.95	19.75	---	30.20	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	SPL
MW-3	05/10/99	49.95	16.17	---	33.78	---	---	---	---	---	---	---		---	---	---
MW-3	09/23/99	49.95	22.05	---	27.90	---	---	---	---	---	---	---		---	---	---
MW-3	12/23/99	49.95	22.55	---	27.40	---	---	---	---	---	---	---		---	---	---

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)	Organic Lead (ug/L)	DO (ppm)	LAI
MW-3	03/27/00	49.95	16.40	---	33.55	350	---	22	ND<0.5	ND<0.5	ND<0.5	580	---	---	PAC
MW-3	05/22/00	49.95	9.49*	---	40.46	---	---	---	---	---	---	---	---	---	---
MW-3	08/31/00	49.95	13.02*	---	36.93	---	---	---	---	---	---	---	---	---	---
MW-3	12/11/00	49.95	13.30*	---	36.65	---	---	---	---	---	---	---	---	---	---
MW-3	03/20/01	49.95	16.49	---	33.46	1000	---	66.4	0.597	6.96	ND<1.5	398	---	---	PAC
MW-3	06/19/01	49.95	18.82	---	31.13	---	---	---	---	---	---	---	---	---	---

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)		Organic Lead (ug/L)	DO (ppm)	LAB
MW-4	07/24/92	50.76	30.02	---	20.74	42000	---	3200	3600	1400	4100	---		---	---	---
MW-4	07/27/92	50.76	30.02	---	20.74	---	---	---	---	---	---	---		---	---	---
MW-4	09/15/92	50.76	31.14	---	19.62	55000	1700 (c)	7600	13000	2800	9500	---		---	---	ANA
MW-4	12/15/92	50.76	31.98	---	18.78	36000	2200 (c)	3700	4700	1200	4000	---		---	---	ANA
MW-4	03/15/93	50.76	25.34	---	25.42	69000	1200	7600	15000	2500	11000	---	(l)	---	---	PAC
MW-4	06/07/93	50.76	25.67	---	25.09	73000	2500	10000	19000	3400	14000	---	(l)	---	---	PAC
MW-4	09/23/93	50.76	29.37	---	21.39	---	---	---	---	---	---	---		---	---	---
MW-4	09/24/93	50.76	---	---	---	68000	5700	11000	2100	8600	990	390	(l)	---	---	PAC
QC-1 (d)	09/24/93	---	---	---	---	59000	---	5300	10000	2200	8400	309	(l)	---	---	PAC
MW-4	12/27/93	50.76	29.40	---	21.36	32000	---	2500	4400	1300	4400	387	(l)	---	---	PAC
MW-4	04/05/94	50.76	27.09	---	23.67	64000	---	6500	14000	1900	9600	413	(l)	---	1.4	PAC
MW-4	07/22/94	50.76	27.33	---	23.43	85000	---	10000	20000	3200	13000	796	(l)	---	0.8	PAC
QC-1 (d)	07/22/94	---	---	---	---	85000	---	11000	21000	3300	14000	435	(l)	---	---	PAC
MW-4	10/13/94	50.76	28.25	---	22.51	51000	---	7100	13000	2100	8900	506	(e)(l)	---	2.9	PAC
QC-1 (d)	10/13/94	---	---	---	---	51000	---	7400	13000	2100	9100	773	(l)	---	---	PAC
MW-4	01/25/95	50.76	21.85	---	28.91	26000	---	3600	9600	1200	6400	---		---	---	ATI
QC-1 (d)	01/25/95	---	---	---	---	28000	---	4200	12000	1500	7800	---		---	---	ATI
MW-4	04/19/95	50.76	19.44	---	31.32	89000	---	12000	24000	3500	18000	---		---	5.1	ATI
QC-1 (d)	04/19/95	---	---	---	---	100000	---	12000	26000	3800	21000	---		---	---	ATI
MW-4	07/05/95	50.76	20.52	---	30.24	130000	---	13000	29000	3300	25000	---		---	4.3	ATI
MW-4	10/05/95	50.76	24.23	---	26.53	110000	---	10000	23000	3600	17000	34000		---	2.1	ATI
MW-4	01/12/96	50.76	25.34	---	25.42	46000	---	3500	8300	1100	8000	3000		---	3.3	ATI
QC-1 (d)	01/12/96	---	---	---	---	40000	---	3500	9000	1200	8700	4300		---	---	ATI
MW-4	04/22/96	50.76	19.13	---	31.63	40000	---	5100	9600	980	11800	29000		---	3.2	SPL
QC-1 (d)	04/22/96	---	---	---	---	61000	---	8300	16000	1600	15200	36000		---	---	SPL
MW-4	07/02/96	50.76	20.67	---	30.09	74000	---	9800	21000	2100	16600	41000		---	3.4	SPL
QC-1 (d)	07/02/96	---	---	---	---	78000	---	9800	21000	1900	15300	42000		---	---	SPL
MW-4	11/08/96	50.76	20.95	---	29.81	100000	---	7900	16000	2500	13700	37000		---	3.7	SPL
QC-1 (d)	11/08/96	---	---	---	---	110000	---	9100	20000	3000	15400	39000		---	---	SPL
MW-4	01/03/97	50.76	20.54	---	30.22	99000	---	17000	30000	4300	22700	79000		---	4.2	SPL
QC-1 (d)	01/03/97	---	---	---	---	66000	---	12000	19000	2900	15000	69000		---	---	SPL
MW-4	04/28/97	50.76	21.28	---	29.48	130000	---	12000	28000	3800	21000	37000		---	3.9	SPL
QC-1 (d)	04/28/97	---	---	---	---	110000	---	11000	26000	3200	18200	34000		---	---	SPL
MW-4	07/01/97	50.76	23.61	---	27.15	110000	---	16000	25000	4900	24400	37000		---	3.6	SPL
MW-4	10/02/97	50.76	25.39	---	25.37	---	---	---	---	---	---	---		---	---	---
MW-4	10/03/97	50.76	---	---	---	66000	---	8200	8600	2700	13400	80000		---	4.4	SPL
QC-1 (d)	10/03/97	---	---	---	---	71000	---	8600	8700	2900	13500	84000		---	---	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)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Organic Lead (ug/L)	DO (ppm)	LAB
MW-4	01/09/98	50.76	21.25	---	29.51	100000	---	9700	3200	1500	4700	92000	---	3.8	SPL
MW-4	05/06/98	50.76	15.96	---	34.80	430000	---	6900	31000	11000	56000	ND<5000	---	3.9	SPL
QC-1 (d)	05/06/98	---	---	---	---	440000	---	8000	39000	14000	70000	ND<5000	---	---	SPL
MW-4	07/21/98	50.76	16.1	---	34.66	250000	---	11000	26000	5500	26900	29000	---	3.7	SPL
QC-1 (d)	07/21/98	---	---	---	---	210000	---	11000	27000	5600	26800	29000	---	---	SPL
MW-4	12/30/98	50.76	20.91	---	29.85	370000	---	11000	22000	8500	40000	90000/92000 (j)	---	---	SPL
MW-4	02/02/99	50.76	20.13	---	30.63	190000	---	4100	19000	4800	32000	28000	---	---	SPL
MW-4	05/10/99	50.76	16.63	---	34.13	2700	---	23	7.1	8.1	25	120	---	---	SPL
MW-4	09/23/99	50.76	22.48	---	28.28	180000	---	11000	29000	7000	38000	12000	---	---	SPL
MW-4 (k)	12/23/99	50.76	22.94	---	27.82	66000	---	6300	5200	2200	7800	35000	---	---	PACH
MW-4	03/27/00	50.76	16.84	---	33.92	120000	---	8700	12000	3800	16000	27000	---	---	PACH
MW-4	05/22/00	50.76	17.85	---	32.91	110000	---	7600	16000	4400	20000	25000	---	---	PACH
MW-4	08/31/00	50.76	21.71	---	29.05	110000	---	8800	7600	3400	14000	18000	---	---	PACH
MW-4	12/11/00	50.76	22.05	---	28.71	70000	---	4580	3480	2550	9220	24400	---	---	PACH
MW-4	03/20/01	50.76	17.68	---	33.08	100000	---	7100	4530	2540	9370	63100	---	---	PACH
MW-4	06/19/01	50.76	19.40	---	31.36	180000	---	7430	14600	5400	25300	36100	---	---	PACH

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)		Organic Lead (ug/L)	DO (ppm)	LAB
MW-6	07/24/92	50.32	30.63	---	19.69	ND	---	1.6	ND	ND	ND	---		---	---	---
MW-6	07/27/92	50.32	30.63	---	19.69	---	---	---	---	---	---	---		---	---	---
MW-6	09/15/92	50.32	31.52	---	18.80	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	ANA
MW-6	12/15/92	50.32	32.42	---	17.90	58	ND<50	1.3	ND<0.5	ND<0.5	ND<0.5	---		---	---	ANA
MW-6	03/15/93	50.32	26.29	---	24.03	ND<50	ND<50	ND<0.5	0.6	ND<0.5	0.7	---	(l)	---	---	PAC
MW-6	06/07/93	50.32	26.33	---	23.99	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	1.5	---	(l)	---	---	PAC
MW-6	09/23/93	50.32	29.64	---	20.68	---	---	---	---	---	---	---		---	---	---
MW-6	09/24/93	50.32	---	---	---	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	28.5	(l)	---	---	PAC
MW-6	12/27/93	50.32	29.75	---	20.57	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	55.4	(e)(l)	---	---	PAC
MW-6	04/05/94	50.32	27.26	---	23.06	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	295	(e)(l)	---	1.7	PAC
MW-6	07/22/94	50.32	27.34	---	22.98	350	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	419	(e)(l)	---	4.5	PAC
MW-6 (g)	10/13/94	50.32	---	---	---	---	---	---	---	---	---	---		---	---	---
MW-6	01/25/95	50.32	22.16	---	28.16	240	---	6	ND<0.5	ND<0.5	ND<1	---		---	---	ATI
MW-6 (g)	04/19/95	50.32	---	---	---	---	---	---	---	---	---	---		---	---	---
MW-6	07/05/95	50.32	20.80	---	29.52	180	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	4.9	ATI
MW-6	10/05/95	50.32	24.20	---	26.12	860	---	ND<5.0	ND<5.0	ND<5.0	ND<10	3600		---	2.8	ATI
MW-6	01/12/96	50.32	25.30	---	25.02	860	---	ND<5.0	ND<5.0	ND<5.0	ND<10	2800		---	4.2	ATI
MW-6	04/22/96	50.32	19.13	---	31.19	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	470		---	4.3	SPL
MW-6	07/02/96	50.32	20.66	---	29.66	100	---	ND<0.5	ND<1	ND<1	ND<1	1100		---	4.2	SPL
MW-6	11/08/96	50.32	20.98	---	29.34	1100	---	ND<5	ND<10	ND<10	ND<10	1500		---	4.3	SPL
MW-6	01/03/97	50.32	20.53	---	29.79	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	450		---	4.5	SPL
MW-6	04/28/97	50.32	21.25	---	29.07	1400	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	3500		---	4.4	SPL
MW-6	07/01/97	50.32	23.40	---	26.92	6100	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	9100		---	3.9	SPL
MW-6	10/02/97	50.32	25.16	---	25.16	---	---	---	---	---	---	---		---	---	---
MW-6	10/03/97	50.32	---	---	---	330	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	2600		---	4.4	SPL
MW-6	01/09/98	50.32	21.13	---	29.19	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.3	SPL
MW-6	05/06/98	50.32	16.11	---	34.21	410	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	500		---	3.6	SPL
MW-6	07/21/98	50.32	16.33	---	33.99	4300	---	ND<5	ND<10	ND<10	ND<10	3800		---	4.0	SPL
MW-6	12/30/98	50.32	20.89	---	29.43	---	---	---	---	---	---	---		---	---	---
MW-6	02/02/99	50.32	20.20	---	30.12	---	---	---	---	---	---	---		---	---	---
MW-6	05/10/99	50.32	16.75	---	33.57	---	---	---	---	---	---	---		---	---	---
MW-6	09/23/99	50.32	22.55	---	27.77	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1600		---	---	SPL
MW-6	12/23/99	50.32	23.00	---	27.32	---	---	---	---	---	---	---		---	---	---
MW-6	03/27/00	50.32	16.89	---	33.43	1700	---	4.4	0.54	ND<0.5	1.0	14000		---	---	PAC
MW-6	05/22/00	50.32	18.02	---	32.30	---	---	---	---	---	---	---		---	---	---
MW-6	08/31/00	50.32	21.62	---	28.70	1200	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3900		---	---	PAC
MW-6	12/11/00	50.32	21.81	---	28.51	---	---	---	---	---	---	---		---	---	---

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)	Organic Lead (ug/L)	DO (ppm)	LAB
MW-6	03/20/01	50.32	16.97	---	33.35	3300	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	3760	---	---	PAC
MW-6	06/19/01	50.32	19.30	---	31.02	---	---	---	---	---	---	---	---	---	---

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)	Organic Lead (ug/L)	DO (ppm)	LAB
MW-7	01/25/95	51.40	21.67	---	29.73	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	7.0	ATI
MW-7	04/19/95	51.40	25.27	---	26.13	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	5.0	ATI
MW-7	07/05/95	51.40	24.63	---	26.77	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	4.2	ATI
MW-7	10/05/95	51.40	28.21	---	23.19	83	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	77	---	4.5	ATI
MW-7	01/12/96	51.40	29.29	---	22.11	63	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	120	---	4.8	ATI
MW-7	04/22/96	51.40	23.11	---	28.29	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	13	---	4.8	SPL
MW-7	07/02/96	51.40	23.56	---	27.84	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	4.8	SPL
MW-7	11/08/96	51.40	20.06	---	31.34	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	5.1	SPL
MW-7	01/03/97	51.40	23.42	---	27.98	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.7	SPL
MW-7	04/28/97	51.40	24.12	---	27.28	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.9	SPL
MW-7	07/01/97	51.40	26.40	---	25.00	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.2	SPL
MW-7	10/02/97	51.40	28.14	---	23.26	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.7	SPL
MW-7	01/09/98	51.40	24.02	---	27.38	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.1	SPL
MW-7	05/06/98	51.40	21.00	---	30.40	1900	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	1800	---	3.5	SPL
MW-7	07/21/98	51.40	21.17	---	30.23	50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.7	SPL
MW-7	12/30/98	51.40	22.13	---	29.27	---	---	---	---	---	---	---	---	---	---
MW-7	02/02/99	51.40	22.08	---	29.32	---	---	---	---	---	---	---	---	---	---
MW-7	05/10/99	51.40	18.58	---	32.82	---	---	---	---	---	---	---	---	---	---
MW-7	09/23/99	51.40	24.29	---	27.11	70	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	4700	---	---	SPL
MW-7	12/23/99	51.40	24.53	---	26.87	---	---	---	---	---	---	---	---	---	---
MW-7	03/27/00	51.40	18.58	---	32.82	910	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2600	---	---	PAC
MW-7	05/22/00	51.40	19.49	---	31.91	---	---	---	---	---	---	---	---	---	---
MW-7	08/31/00	51.40	22.53	---	28.87	440	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	900	---	---	PAC
MW-7	12/11/00	51.40	22.75	---	28.65	---	---	---	---	---	---	---	---	---	---
MW-7	03/20/01	51.40	18.79	---	32.61	1100	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	1210	---	---	PAC
MW-7	06/19/01	51.40	19.82	---	31.58	---	---	---	---	---	---	---	---	---	---

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)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	Organic Lead (ug/L)	DO (ppm)	LAB
MW-8	01/25/95	50.88	31.59	---	19.29	54	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	7.1	ATI
MW-8	04/19/95	50.88	19.18	---	31.70	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	5.1	ATI
MW-8	07/05/95	50.88	19.03	---	31.85	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	4.5	ATI
MW-8	10/05/95	50.88	24.40	---	26.48	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	4.1	ATI
MW-8	01/12/96	50.88	25.51	---	25.37	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	4.6	ATI
MW-8	04/22/96	50.88	18.00	---	32.88	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	4.8	SPL
MW-8	07/02/96	50.88	19.83	---	31.05	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	4.5	SPL
MW-8	11/08/96	50.88	20.09	---	30.79	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.7	SPL
MW-8	01/03/97	50.88	19.72	---	31.16	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.4	SPL
MW-8	04/28/97	50.88	20.44	---	30.44	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.1	SPL
MW-8	07/01/97	50.88	22.72	---	28.16	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.8	SPL
MW-8	10/02/97	50.88	24.51	---	26.37	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.2	SPL
MW-8	01/09/98	50.88	21.17	---	29.71	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.5	SPL
MW-8	05/06/98	50.88	18.34	---	32.54	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.6	SPL
MW-8	07/21/98	50.88	18.55	---	32.33	90	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.3	SPL
MW-8	12/30/98	50.88	20.40	---	30.48	---	---	---	---	---	---	---	---	---	---
MW-8	02/02/99	50.88	19.28	---	31.60	---	---	---	---	---	---	---	---	---	---
MW-8	05/10/99	50.88	15.62	---	35.26	---	---	---	---	---	---	---	---	---	---
MW-8	09/23/99	50.88	21.74	---	29.14	---	---	---	---	---	---	---	---	---	---
MW-8	12/23/99	50.88	22.83	---	28.05	---	---	---	---	---	---	---	---	---	---
MW-8	03/27/00	50.88	16.25	---	34.63	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PAC
MW-8	05/22/00	50.88	17.06	---	33.82	---	---	---	---	---	---	---	---	---	---
MW-8	08/31/00	50.88	21.72	---	29.16	---	---	---	---	---	---	---	---	---	---
MW-8	12/11/00	50.88	22.03	---	28.85	---	---	---	---	---	---	---	---	---	---
MW-8	03/20/01	50.88	16.23	---	34.65	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	0.991	---	---	PAC
MW-8	06/19/01	50.88	19.35	---	31.53	---	---	---	---	---	---	---	---	---	---

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)	Organic Lead (ug/L)	DO (ppm)	LAF
MW-9	01/25/95	51.05	22.32	---	28.73	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	7.4	ATI
MW-9	04/19/95	51.05	19.86	---	31.19	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	5.2	ATI
MW-9	07/05/95	51.05	20.78	---	30.27	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	4.4	ATI
MW-9	10/05/95	51.05	24.33	---	26.72	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	2.3	ATI
QC-1 (d)	10/05/95	---	---	---	---	52	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	160	---	---	ATI
MW-9	01/12/96	51.05	25.44	---	25.61	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	3.2	ATI
MW-9	04/22/96	51.05	18.01	---	33.04	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	11	---	3.5	SPL
MW-9	07/02/96	51.05	19.70	---	31.35	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	3.3	SPL
MW-9	11/08/96	51.05	19.96	---	31.09	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.7	SPL
MW-9	01/03/97	51.05	19.52	---	31.53	ND<250	---	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	---	4.4	SPL
MW-9	04/28/97	51.05	20.22	---	30.83	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.0	SPL
MW-9	07/01/97	51.05	22.59	---	28.46	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.9	SPL
MW-9	10/02/97	51.05	24.33	---	26.72	---	---	---	---	---	---	---	---	---	---
MW-9	10/03/97	51.05	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.4	SPL
MW-9	01/09/98	51.05	21.11	---	29.94	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.9	SPL
MW-9	05/06/98	51.05	18.26	---	32.79	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.0	SPL
MW-9	07/21/98	51.05	18.46	---	32.59	70	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.7	SPL
MW-9 (g)	12/30/98	51.05	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9 (g)	02/02/99	51.05	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9 (g)	05/10/99	51.05	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9 (g)	09/23/99	51.05	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9 (g)	12/23/99	51.05	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9 (g)	03/27/00	51.05	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9 (g)	05/22/00	51.05	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9 (g)	08/31/00	51.05	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9 (g)	12/11/00	51.05	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9 (g)	03/20/01	51.05	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9 (g)	06/19/01	51.05	---	---	---	---	---	---	---	---	---	---	---	---	---

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)		Organic Lead (ug/L)	DO (ppm)	LAI
MW-10	01/09/98	---	(h)	20.97	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.3	SPI
MW-10	05/06/98	---	(h)	18.07	---	---	800	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	980		---	3.9	SPI
MW-10	07/21/98	---	(h)	18.28	---	---	80	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.0	SPI
MW-10	12/30/98	---	(h)	22.22	---	---	---	---	---	---	---	---	---		---	---	---
MW-10	02/02/99	---	(h)	21.83	---	---	940	---	ND<10	ND<10	ND<10	ND<10	690		---	---	SPI
MW-10	05/10/99	---	(h)	17.99	---	---	---	---	---	---	---	---	---		---	---	---
MW-10	09/23/99	---	(h)	22.61	---	---	ND<50	---	ND<1.0	ND<1.0	ND<1.0	1.4	1000		---	---	SPI
MW-10	12/23/99	---	(h)	23.75	---	---	---	---	---	---	---	---	---		---	---	---
MW-10	03/27/00	---	(h)	18.83	---	---	1900	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	28000		---	---	PAC
MW-10	05/22/00	---	(h)	19.47	---	---	---	---	---	---	---	---	---		---	---	---
MW-10	08/31/00	---	(h)	22.64	---	---	1700	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	13000		---	---	PAC
MW-10	12/11/00	---	(h)	22.84	---	---	---	---	---	---	---	---	---		---	---	---
MW-10	03/20/01	---	(h)	19.57	---	---	16000	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	11900		---	---	PAC
MW-10	06/19/01	---	(h)	20.63	---	---	---	---	---	---	---	---	---		---	---	---
QC-2 (i)	09/15/92	---		---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	AN
QC-2 (i)	12/15/92	---		---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	AN
QC-2 (i)	03/15/93	---		---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	PAC
QC-2 (i)	06/07/93	---		---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(l)	---	---	PAC
QC-2 (i)	09/24/93	---		---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	---	PAC
QC-2 (i)	12/27/93	---		---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	---	PAC
QC-2 (i)	04/05/94	---		---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	---	PAC
QC-2 (i)	07/22/94	---		---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	---	PAC
QC-2 (i)	10/13/94	---		---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	---	PAC
QC-2 (i)	01/25/95	---		---	---	---	ND<50	---	ND<0.5	2	0.6	1	---		---	---	ATI
QC-2 (i)	04/19/95	---		---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	ATI
QC-2 (i)	07/05/95	---		---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	ATI
QC-2 (i)	10/05/95	---		---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	ATI
QC-2 (i)	01/12/96	---		---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	ATI
QC-2 (i)	04/22/96	---		---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	SPI
QC-2 (i)	07/02/96	---		---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	SPI

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
DO	Dissolved oxygen
ug/L	Micrograms per liter
ppm	Parts per million
ND	Not detected above reported detection limit
---	Not analyzed/applicable/measurable
ANA	Anametrix, Inc.
PACE	Pace, Inc.
ATI	Analytical Technologies, Inc.
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) Concentrations reported as diesel from MW-1, MW-2 and MW-4 are primarily due to the presence of a lighter petroleum product, possibly gasoline or kerosene.

(d) Blind duplicate.

(e) A copy of the documentation for this data is included in Appendix C of Alisto report 10-018-05-004.

(f) Well not sampled due to presence of free product.

(g) Well inaccessible.

(h) Top of casing not surveyed.

(i) Travel blank.

(j) EPA method by 8020\8260.

(k) Samples ran outside of EPA recommended hold time.

(l) A copy of the documentation for this data can be found in Blaine Tech Services report 010619-C-2. The MTBE data for the March 15, 1993 and June 7, 1993 events have been destroyed.

* Depth to water and resulting groundwater elevation is anamolous and not used in groundwater contouring.

Analytical Appendix

Pace Analytical™
www.pacelabs.com

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

June 25, 2001

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

RE: Lab Project Number: 8521968
Client Project ID: BP Site#11117

Dear Ms. Magyar:

Enclosed are the analytical results for sample(s) received by the laboratory on June 21, 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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

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: 8521968
Client Project ID: BP Site#11117

Attn: Ms. Cindy Magyar
Phone:

Lab Sample No: 851698551 Project Sample Number: 8521968-001 Date Collected: 06/19/01 15:48
Client Sample ID: A (11117) Matrix: Water Date Received: 06/21/01 09:00

Parameters	Results	Units	PRL	Dilution	Analyzed	Analyst	CAS#	Ftnote	Limit
GC Volatiles									
GAS by Mod 8015, Water		Method: EPA 8015 Modified			Prep Method: EPA 8015 Modified				
Gasoline Range Organics	180000	ug/l	12000	250	06/22/01 20:13	WRIC			
1,4-Difluorobenzene (S)	95	%		1.0	06/22/01 20:13	WRIC			
4-Bromofluorobenzene (S)	86	%		1.0	06/22/01 20:13	WRIC	460-00-4		
SW8021 Aromatics, Water		Method: EPA 8021			Prep Method: See analytical meth				
Benzene	7430	ug/l	125.	250	06/22/01 20:13	WRIC	71-43-2		
Ethylbenzene	5400	ug/l	125.	250	06/22/01 20:13	WRIC	100-41-4		
Toluene	14600	ug/l	125.	250	06/22/01 20:13	WRIC	108-88-3		
Xylene (Total)	25300	ug/l	375.	250	06/22/01 20:13	WRIC	1330-20-7		
Methyl-tert-butyl ether	36100	ug/l	125.	250	06/22/01 20:13	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	100	%		1.0	06/22/01 20:13	WRIC			
4-Bromofluorobenzene (S)	101	%		1.0	06/22/01 20:13	WRIC	460-00-4		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

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

Lab Project Number: 8521968
Client Project ID: BP Site#11117

Lab Sample No: 851698552 Project Sample Number: 8521968-002 Date Collected: 06/19/01 16:10
Client Sample ID: B (11117) Matrix: Water Date Received: 06/21/01 09:00

Parameters	Results	Units	PRL	Dilution	Analyzed	Analyst	CAS#	Ftnote	Limit
GC Volatiles									
GAS by Mod 8015, Water		Method: EPA 8015 Modified			Prep Method: EPA 8015 Modified				
Gasoline Range Organics	130000	ug/l	5000	100	06/22/01 19:53	WRIC			
1,4-Difluorobenzene (S)	103	%		1.0	06/22/01 19:53	WRIC			
4-Bromofluorobenzene (S)	85	%		1.0	06/22/01 19:53	WRIC	460-00-4		
SW8021 Aromatics, Water		Method: EPA 8021			Prep Method: See analytical meth				
Benzene	15100	ug/l	50.0	100	06/22/01 19:53	WRIC	71-43-2		
Ethylbenzene	3300	ug/l	50.0	100	06/22/01 19:53	WRIC	100-41-4		
Toluene	19500	ug/l	50.0	100	06/22/01 19:53	WRIC	108-88-3		
Xylene (Total)	21400	ug/l	150.	100	06/22/01 19:53	WRIC	1330-20-7		
Methyl-tert-butyl ether	20300	ug/l	50.0	100	06/22/01 19:53	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	114	%		1.0	06/22/01 19:53	WRIC			
4-Bromofluorobenzene (S)	100	%		1.0	06/22/01 19:53	WRIC	460-00-4		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

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

Lab Project Number: 8521968
Client Project ID: BP Site#11117

PARAMETER FOOTNOTES

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

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

QUALITY CONTROL DATA

Lab Project Number: 8521968
Client Project ID: BP Site#11117

QC Batch: 54498 QC Batch Method: See analytical meth
Analysis Method: EPA 8021 Analysis Description: SW8021 Aromatics, Water
Associated Lab Samples: 851698551 851698552

METHOD BLANK: 851698810
Associated Lab Samples:
851698551 851698552

Parameter	Units	Method Blank Result	PRL	Footnotes
Benzene	ug/l	ND	0.5	
Ethylbenzene	ug/l	ND	0.5	
Toluene	ug/l	ND	0.5	
Xylene (Total)	ug/l	ND	1.5	
Methyl-tert-butyl ether	ug/l	ND	0.5	
1,4-Difluorobenzene (S)	%	97		
4-Bromofluorobenzene (S)	%	96		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851698812 851698813

Parameter	Units	851698779	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Benzene	ug/l	0	50.00	44.88	90	48.11	96	7	
Ethylbenzene	ug/l	0.1047	50.00	47.05	94	52.51	105	11	
Toluene	ug/l	0.1383	50.00	46.47	93	51.51	103	10	
Xylene (Total)	ug/l	0.2301	100.00	89.85	90	107.4	107	18	
Methyl-tert-butyl ether	ug/l	8.386	50.00	58.39	100	47.21	78	21	
1,4-Difluorobenzene (S)					99		100		
4-Bromofluorobenzene (S)					100		98		

LABORATORY CONTROL SAMPLE: 851698811

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Benzene	ug/l	50	46.35	93	
Ethylbenzene	ug/l	50	50.80	102	
Toluene	ug/l	50	49.78	100	
Xylene (Total)	ug/l	100	103.9	104	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

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

QUALITY CONTROL DATA

Lab Project Number: 8521968
Client Project ID: BP Site#11117

LABORATORY CONTROL SAMPLE: 851698811

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Methyl-tert-butyl ether	ug/l	50	44.82	90	
1,4-Difluorobenzene (S)				100	
4-Bromofluorobenzene (S)				98	

Date: 06/25/01

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

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

QUALITY CONTROL DATA

Lab Project Number: 8521968
Client Project ID: BP Site#11117

QC Batch: 54499
QC Batch Method: EPA 8015 Modified
Analysis Method: EPA 8015 Modified
Analysis Description: GAS by Mod 8015, Water
Associated Lab Samples: 851698551 851698552

METHOD BLANK: 851698814
Associated Lab Samples: 851698551 851698552

Parameter	Units	Method Blank Result	PRL	Footnotes
Gasoline Range Organics	ug/l	ND	50	
1,4-Difluorobenzene (S)	%	93		
4-Bromofluorobenzene (S)	%	79		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851698816 851698817

Parameter	Units	604396251	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Gasoline Range Organics	ug/l	4.732	1000.00	1007	100	902.0	90	11	
1,4-Difluorobenzene (S)					97		98		
4-Bromofluorobenzene (S)					90		88		

LABORATORY CONTROL SAMPLE: 851698815

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Gasoline Range Organics	ug/l	1000	988.4	99	
1,4-Difluorobenzene (S)				99	
4-Bromofluorobenzene (S)				88	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical™
www.pacelabs.com

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

Lab Project Number: 8521968
Client Project ID: BP Site#11117

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

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: 11117	BP SITE / FACILITY ADDRESS: 7210 Bancroft, Oakland		CONSULTANT PROJECT NUMBER: 010619-C-2
CONSULTANT PROJECT MANAGER: Scott Boor	PHONE NUMBER: (408) 573-0555 x 223	FAX NUMBER: (408) 573-7771	CONSULTANT CONTRACT NUMBER: J588705
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 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 -	6/19/01	1548	W	3	40mL	[redacted] H	X									891685551
B -	6/19/01	1610	W	3	40mL	[redacted] H	X									52

SAMPLED BY (Please Print Name): Hank Castro

SAMPLED BY (Signature): fr: Hank Castro

ADDITIONAL COMMENTS: 0.4°C

RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY / AFFILIATION (Print Name / Signature)	DATE	TIME
Ken Shih	6/20/01	1445	AIRBORNE EXPRESS	6/20/01	1445
			C&R Pathfinder Inc	6/21/01	0900

Field
Data
Sheets

MTBE Data Request

BP Project No: **11117** *7210 Bancroft Avenue, Oakland, CA*

sample date	sample source	field ID#	Lab ID #	analysis date
06/07/93	mw1	mw1	700088615	06/18/93
06/07/93	mw3	mw3	700088593	06/16/93
06/07/93	mw4	mw4	700088607	06/17/93
06/07/93	mw6	mw6	700088585	06/16/93
07/22/94	mw1	s3		
07/22/94	mw3	s2		
07/22/94	mw4	s1		
07/22/94	mw4	s4		
07/22/94	mw6	s5		
10/18/94	mw1	s3		
10/18/94	mw3	s1		
10/18/94	mw4	s4		
10/18/94	mw4	s5		

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

27-Mar-01

EPA 8020 Chromatogram Review

Site - 11117

Pace Sample #	Matrix / Units	Sample ID	Date Sampled	Date Run	Inst.	MTBE	
70 0162130	Water / ug/L	MW-1	9/24/93	10/2/93	70-Q-5	6619	
70 0162149	Water / ug/L	MW-3	9/24/93	10/2/93	70-Q-5	16.3	
70 0162157	Water / ug/L	MW-4	9/24/93	10/2/93	70-Q-5	390	
70 0162165	Water / ug/L	MW-6	9/24/93	10/2/93	70-Q-5	28.5	
70 0162173	Water / ug/L	QC-1	9/24/93	10/2/93	70-Q-5	309	
70 0162181	Water / ug/L	QC-2	9/24/93	10/2/93	70-Q-5	<5.	
70 0222214	Water / ug/L	MW-1	12/27/93	12/30/93	70-Q-8	13558	*
70 0222222	Water / ug/L	MW-3	12/27/93	1/4/94	70-Q-8	2671	*
70 0222230	Water / ug/L	MW-4	12/27/93	1/4/94	70-Q-8	387	
70 0222249	Water / ug/L	MW-6	12/27/93	12/31/93	70-Q-8	55.4	
70 0222257	Water / ug/L	QC-1	12/27/93	1/3/93	70-Q-1Lease	9219	*
70 0222265	Water / ug/L	QC-2	12/27/93	1/3/93	70-Q-1Lease	<5.0	
70 0300584	Water / ug/L	MW-1	4/5/94	4/13/94	70-Q-1Lease	8595	*
70 0300592	Water / ug/L	MW-3	4/5/94	4/14/94	70-Q-1Lease	10414	*
70 0300606	Water / ug/L	MW-4	4/5/94	4/14/94	70-Q-1Lease	413	
70 0300614	Water / ug/L	MW-6	4/5/94	4/13/94	70-Q-1Lease	295	
70 0300622	Water / ug/L	QC-1	4/5/94	4/13/94	70-Q-1Lease	9672	*
70 0300630	Water / ug/L	QC-2	4/5/47	4/13/94	70-Q-1Lease	<5.0	
70 0359422	Water / ug/L	MW-4 S-1	7/22/94	7/26/94	70-Q-1	798	*
70 0359430	Water / ug/L	MW-3 S-2	7/22/94	7/26/94	70-Q-1	<5.0	
70 0359449	Water / ug/L	MW-1 S-3	7/22/94	7/27/94	70-Q-1	262	
70 0359457	Water / ug/L	MW-4 S-4	7/22/94	7/27/94	70-Q-1	435	
70 0359465	Water / ug/L	MW-6 S-5	7/22/94	7/27/94	70-Q-1	419	
70 0359473	Water / ug/L	QC-2? S-6	7/22/94	7/26/94	70-Q-1	<5.0	
70 0424070	Water / ug/L	MW-3 S-1	10/13/94	10/19/94	70-Q-8	<5.0	
70 0424089	Water / ug/L	MW-1 S-3	10/13/94	10/19/94	70-Q-8	321	
70 0424097	Water / ug/L	MW-4 S-4	10/13/94	10/19/94	70-Q-8	506	
70 0424100	Water / ug/L	MW-4 S-5	10/13/94	10/20/94	70-Q-8	773	
70 0424437	Water / ug/L	QC-2 S-6	10/13/94	10/19/94	70-Q-8	<5.0	

The data for the following sampling events has been destroyed.

March 16, 1993
June 7, 1993

*The results for these samples were above the calibration range.

For all samples above, the MTBE results were quantitated against an actual MTBE standard. However, the results should still be

Sequoia Analytical

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

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

WELL GAUGING DATA

Project # 010619-C2 Date 6-19-01 Client BP

Site 7210 Bancroft

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					18.38	36.45		
S MW-2	2	B				20.15	39.40		S
MW-3	2					18.82	40.67		
S MW-4	2	A				19.40	39.51		S
MW-6	2					19.30	38.48		
MW-7	2					19.82	44.73		
MW-8	2					19.35	39.38		
MW-9	2	Cant find (Buried)					[redacted]		
MW-10	2					20.63	35.70		

BP WELL MONITORING DATA SHEET

Project #: 010619-C2	Station # BP 11117
Sampler: Hank	Date: 6-19-01
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 29.40	Depth to Water: 20.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

1620

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
- X Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Other: _____

3.0	X	3	=	9	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1600	72.6	6.8	685	3	
1603	72.1	6.7	704	6	
1607	72.2	6.7	699	9	

Did well dewater? Yes (No)		Gallons actually evacuated: 9	
Sampling Time: 1610		Sampling Date: 6-19-01	
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

BP WELL MONITORING DATA SHEET

Project #: 010619-C2	Station # BP 11117
Sampler: Hank	Date: 6-19-01
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 39.51	Depth to Water: 19.40
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
- X Middleburg
- Electric Submersible
- Extraction Pump
- Other: ___

Sampling Method:
- Bailer
- ~~X~~ Disposable Bailer
- Extraction Port
- Other: ___

3.2	X	3	=	9.6 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1537	74.1	6.6	1080	3.2	Odor
1540	73.8	6.7	1107	6.4	↓
1543	73.9	6.7	1090	9.6	↓

Did well dewater? Yes (No)		Gallons actually evacuated: 9.6	
Sampling Time: 1548		Sampling Date: 6-19-01	
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