S. T. Hooton
Team Leader
Environmental Remediation Management

BP Exploration & Oil Inc.
295 SW 41st Street, Bldg., 13, STE N
Renton, WA 98055-4931
Phone: 425-251-0689
Fax: 425-251-0736

BP OIL

July 12, 1999

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

RE: BP Oil Site No. 11132
3201 35th Street (at I-580)
Oakland, CA

Dear Ms. Hugo:

Enclosed please find a report titled Groundwater Monitoring and Sampling Report, dated 2 July 1999.

The report shows that aromatic petroleum constituents were detected in groundwater samples collected from six of the wells sampled this quarter (10 May 1999). The highest benzene concentration (3,200 ug/l) was reported in a sample obtained from well MW-2, located south of the underground storage tanks.

Plans for the coming quarter include product removal and groundwater monitoring.

Please give me a call if you have any questions, comments or concerns regarding this matter. I can be reached at (425) 251-0689.

Sincerely,

Scott Hooton

attachment

cc: Ade Fagorala- CRWQCB-SFBR
D. Camille - Tosco (w/attachment)

99 JUL 15 PM 3:51
ENVIRONMENTAL PROTECTION

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

July 2, 1999

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

2nd Quarter 1999 Monitoring at 11132

Second Quarter 1999 Groundwater Monitoring
BP Service Station Number 11132
3201 35th Street
Oakland, CA

Monitoring Performed on May 10, 1999

Groundwater Sampling Report **990510-P-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/ld

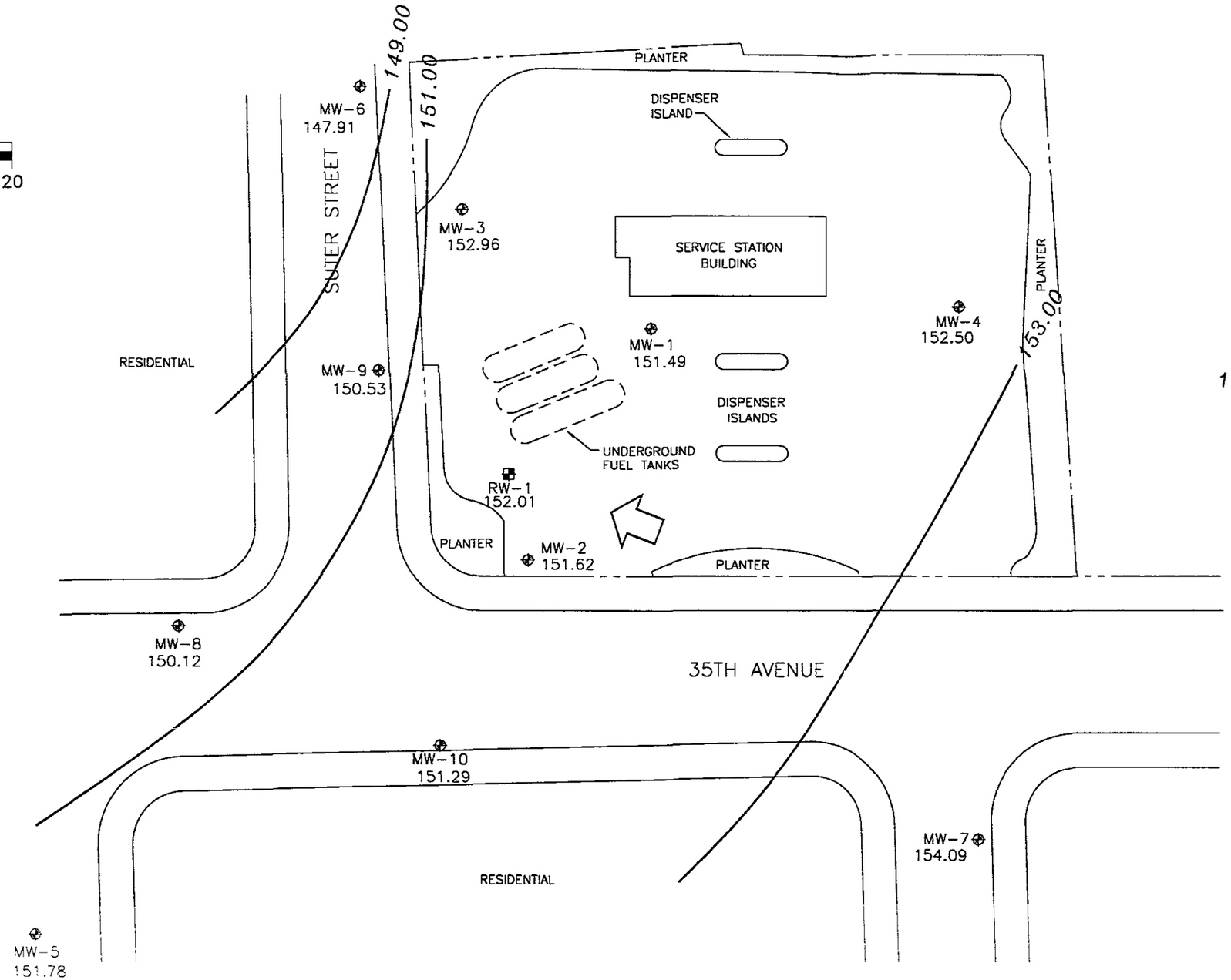
attachments: Professional Engineering Appendix
Cumulative Table of Well Data and Analytical Results
Analytical Appendix
Field Data Sheets

Professional Engineering Appendix

N

SCALE (FT.)

0 20



EXPLANATION

- GROUNDWATER MONITORING WELL
- GROUNDWATER RECOVERY WELL
- 152.50 GROUNDWATER ELEVATION (FT, MSL)
- 153.00 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.04

REGISTERED GEOLOGIST
STEVEN E KRCIK
No 4976
09/00
STATE OF CALIFORNIA

Ref: 11132bm.dwg
Basemap from Alisto Engineering Group

PREPARED BY
RRM
engineering contracting firm

GROUNDWATER ELEVATION CONTOUR MAP, MAY 10, 1999

BP Oil Service Station No 11132
3201 35th Street
Oakland, California

FIGURE: 1
PROJECT: DAC04

N

SCALE (FT.)

0 20

MW-6
NA

SUTER STREET

PLANTER

MW-1	
B	160
T	1900
E	3700
X	24000
TPHg	110000
MTBE	3000

DISPENSER ISLAND

MW-3
NA

SERVICE STATION BUILDING

MW-1

MW-4
NA

PLANTER

RESIDENTIAL

MW-9

MW-9	
B	600
T	1500
E	1100
X	4400
TPHg	22000
MTBE	72

DISPENSER ISLANDS

UNDERGROUND FUEL TANKS

RW-1

RW-1	
B	620
T	88
E	340
X	660
TPHg	15000
MTBE	61000

PLANTER

MW-2

PLANTER

MW-8	
B	740
T	1800
E	1100
X	5800
TPHg	28000
MTBE	<25

MW-8

MW-2	
B	3200
T	3200
E	3700
X	20000
TPHg	84000
MTBE	75

35TH AVENUE

MW-10

MW-10	
B	2800
T	2800
E	3000
X	17000
TPHg	81000
MTBE	220

RESIDENTIAL

MW-7
NA

MW-5
NA

EXPLANATION

- ⊕ GROUNDWATER MONITORING WELL
- ⊞ GROUNDWATER RECOVERY 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
MTBE*	MTBE BY 8260
NA	DATA NOT AVAILABLE

Ref: 11132btex.dwg
Basemap from Alisto Engineering Group

PREPARED BY
RRM
engineering contracting firm

HYDROCARBON CONCENTRATION MAP,
MAY 10, 1999

BP Oil Service Station No. 11132
3201 35th Street
Oakland, California

FIGURE:
2

PROJECT:
DAC04

Table of
Well Data and
Analytical Results

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITERING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-1	07/09/90	169.75	---	0.22	---	---	---	---	---	---	---	---	---
MW-1	12/21/90	169.75	---	0.58	---	---	---	---	---	---	---	---	---
MW-1	03/07/91	169.75	20.59	---	---	---	---	---	---	---	---	---	---
MW-1	06/27/91	169.75	---	0.18	---	---	---	---	---	---	---	---	---
MW-1	09/27/91	169.75	---	0.27	---	---	---	---	---	---	---	---	---
MW-1	12/18/91	169.75	---	0.28	---	---	---	---	---	---	---	---	---
MW-1	04/01/91	169.75	16.51	0.15	153.35	---	---	---	---	---	---	---	---
MW-1	07/03/92	169.75	22.30	0.27	147.65	---	---	---	---	---	---	---	---
MW-1	10/05/92	169.75	23.98	0.24	145.95	---	---	---	---	---	---	---	---
MW-1	01/13/93	169.75	17.03	0.24	152.90	---	---	---	---	---	---	---	---
MW-1	04/23/93	169.75	18.10	0.42	151.97	---	---	---	---	---	---	---	---
MW-1	07/12/93	169.75	22.02	0.49	148.10	---	---	---	---	---	---	---	---
MW-1	10/21/93	169.75	25.12	1.09	145.45	---	---	---	---	---	---	---	---
MW-1	01/21/94	169.75	23.02	0.76	147.30	---	---	---	---	---	---	---	---
MW-1	04/20/94	169.75	24.54	1.8	146.56	---	---	---	---	---	---	---	---
MW-1	08/01/94	169.75	24.11	0.35	145.90	---	---	---	---	---	---	---	---
MW-1	12/23/94	169.75	18.19	0.29	151.78	---	---	---	---	---	---	---	---
MW-1	01/26/95	169.75	16.25	1.1	154.33	---	---	---	---	---	---	---	---
MW-1	06/08/95	169.75	22.92	1.2	147.73	---	---	---	---	---	---	---	---
MW-1	08/22/95	169.75	24.45	0.85	145.94	---	---	---	---	---	---	---	---
MW-1	10/27/95	169.75	25.41	0.69	144.86	---	---	---	---	---	---	---	---
MW-1	01/25/96	169.75	18.20	1.4	152.60	---	---	---	---	---	---	---	---
MW-1	04/19/96	169.75	19.06	1.22	151.61	---	---	---	---	---	---	---	---
MW-1	07/23/96	169.75	22.98	0.89	147.44	---	---	---	---	---	---	---	---
MW-1	11/11/96	169.75	23.99	0.98	146.50	---	---	---	---	---	---	---	---
MW-1	01/21/97	169.75	16.80	0.9	153.63	---	---	---	---	---	---	---	---
MW-1	04/29/97	169.75	21.90	0.85	148.49	---	---	---	---	---	---	---	---
MW-1	04/30/97	169.75	---	---	---	100000	3600	8000	4000	21300	7700	5.2	SPL
QC-1 (c)	04/30/97	---	---	---	---	92000	3500	8100	4400	23800	6900	---	SPL
MW-1	08/21/97	169.75	23.40	0.87	147.00	140000	3000	8500	3900	22100	5700	5.3	SPL
QC-1 (c)	08/21/97	---	---	---	---	120000	3200	8100	3800	19600	5200	---	SPL
MW-1	11/05/97	169.75	23.70	0.54	146.46	68000	6200	4400	3300	14300	8000	4.7	SPL
QC-1 (c)	11/05/97	---	---	---	---	88000	7300	4800	3600	16900	8200	---	SPL
MW-1	02/03/98	169.75	13.63	0.32	156.36	---	---	---	---	---	---	---	---
MW-1	02/04/98	---	---	---	---	190000	2200	10000	5600	32000	ND<10000	5.3	SPL
QC-1 (c)	02/04/98	---	---	---	---	160000	2300	8400	5000	29400	ND<10000	---	SPL
MW-1	05/28/98	169.75	18.03	0.17	151.85	87000	980	3900	3600	19000	2900	3.8	SPL
MW-1	12/30/98	169.75	19.50	0.08	150.31	70000	530	3200	2900	16000	3600	---	SPL
MW-1	02/02/99	169.75	18.93	0.03	150.84	79000	480	3100	3500	21000	3500	---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITERING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-1	05/10/99	169.75	18.28	0.03	151.49	110000	160	1900	3700	24000	3000	---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITERING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-2	07/09/90	168.14	—	0.1	—	—	—	—	—	—	—	—	—
MW-2	12/21/90	168.14	—	0.48	—	—	—	—	—	—	—	—	—
MW-2	03/07/91	168.14	19.18	—	—	—	—	—	—	—	—	—	—
MW-2	06/27/91	168.14	—	0.19	—	—	—	—	—	—	—	—	—
MW-2	09/27/91	168.14	—	0.15	—	—	—	—	—	—	—	—	—
MW-2	12/18/91	168.14	—	0.36	—	—	—	—	—	—	—	—	—
MW-2	04/01/91	168.14	15.21	0.1	153.01	—	—	—	—	—	—	—	—
MW-2	07/03/92	168.14	20.93	0.03	147.23	—	—	—	—	—	—	—	—
MW-2	10/05/92	168.14	22.74	0.21	145.56	—	—	—	—	—	—	—	—
MW-2	01/13/93	168.14	15.55	0.02	152.61	—	—	—	—	—	—	—	—
MW-2	04/23/93	168.14	16.54	0.21	151.76	—	—	—	—	—	—	—	—
MW-2	07/12/93	168.14	20.46	0.06	147.73	—	—	—	—	—	—	—	—
MW-2	10/21/93	168.14	24.91	0.31	143.46	—	—	—	—	—	—	—	—
MW-2	01/21/94	168.14	21.20	—	146.94	—	—	—	—	—	—	—	—
MW-2	04/20/94	168.14	22.44	—	145.70	1800	140	370	54	290	1.7	1.7	PACE
MW-2	08/01/94	168.14	22.24	0.04	145.93	—	—	—	—	—	—	—	—
MW-2	12/23/94	168.14	16.25	0.03	151.91	—	—	—	—	—	—	—	—
MW-2	01/26/95	168.14	14.55	0.39	153.88	—	—	—	—	—	—	—	—
MW-2	06/08/95	168.14	21.18	0.43	147.28	—	—	—	—	—	—	—	—
MW-2	08/22/95	168.14	22.76	0.36	145.65	—	—	—	—	—	—	—	—
MW-2	10/27/95	168.14	23.61	0.3	144.76	—	—	—	—	—	—	—	—
MW-2	01/25/96	168.14	15.95	0.15	152.30	—	—	—	—	—	—	—	—
MW-2	04/19/96	168.14	17.33	0.07	150.86	—	—	—	—	—	—	—	—
MW-2	07/23/96	168.14	21.25	0.05	146.93	—	—	—	—	—	—	—	—
MW-2	11/11/96	168.14	22.27	0.01	145.88	—	—	—	—	—	—	—	—
MW-2	01/21/97	168.14	15.19	0.01	152.96	—	—	—	—	—	—	—	—
MW-2	04/29/97	168.14	20.22	0.01	147.93	—	—	—	—	—	—	—	—
MW-2	04/30/97	168.14	—	—	—	130000	4600	15000	6000	37000	ND<5000	5.0	SPL
MW-2	08/21/97	168.14	21.74	0.01	146.41	110000	6000	16000	4700	28000	ND<500	4.6	SPL
MW-2	11/05/97	168.14	21.61	0.01	146.54	120000	7800	18000	4900	28100	ND<2500	4.6	SPL
MW-2	02/03/98	168.14	11.51	—	156.63	75000	590	1500	1800	12800	ND<2500	4.5	SPL
MW-2	05/28/98	168.14	16.51	—	151.63	79000	3900	3100	3100	18000	900	4.3	SPL
MW-2	12/30/98	168.14	17.70	—	150.44	95000	4700	3500	3700	21000	ND<250	—	SPL
MW-2	02/02/99	168.14	15.46	—	152.68	170000	3500	1500	5200	34000	ND<500	—	SPL
MW-2	05/10/99	168.14	16.52	—	151.62	84000	3200	3200	3700	20000	75	—	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITERING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-3	07/09/90	167.17	---	---	---	140	5.3	4.6	2.0	3.8	---	---	---
MW-3	12/21/90	167.17	---	---	---	0.19	100	6.0	0.9	27	---	---	---
MW-3	03/07/91	167.17	17.40	---	149.77	0.4	69	22	6.1	57	---	---	---
MW-3	06/27/91	167.17	---	---	---	380	28	26	13	46	---	---	---
MW-3	09/27/91	167.17	---	---	---	0.07	7.9	ND	0.4	1.1	---	---	---
MW-3	12/18/91	167.17	---	---	---	0.26	34	24	0.8	28	---	---	---
MW-3	04/01/91	167.17	13.69	---	153.48	ND	ND	ND	ND	ND	---	---	---
MW-3	07/03/92	167.17	19.59	---	147.58	71	9.4	0.9	5.0	13	---	---	ANA
MW-3	10/05/92	167.17	21.22	---	145.95	67	5.1	1.1	6.1	8.1	---	---	ANA
QC-1 (c)	10/05/92	---	---	---	---	ND<50	2.2	ND<0.5	1.5	2.8	---	---	ANA
MW-3	01/13/93	167.17	13.63	---	153.54	830	50	34	42	89	---	---	PACE
MW-3	04/23/93	167.17	15.02	---	152.15	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-1 (c)	04/23/93	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-3	07/12/93	167.17	19.16	---	148.01	250	12	4.2	12	16	---	---	PACE
MW-3	10/21/93	167.17	21.81	---	145.36	52	4.4	1.4	4.7	3.3	---	---	PACE
QC-1 (c)	10/21/93	---	---	---	---	65	7.4	1.0	6.9	4.2	---	---	PACE
MW-3	01/21/94	167.17	19.94	---	147.23	57	3.0	3.4	3.6	9.0	---	---	PACE
MW-3	04/20/94	167.17	20.24	---	146.93	600	26	23	33	88	---	1.8	PACE
MW-3	08/01/94	167.17	20.74	---	146.43	99	6.2	1.1	4.5	5.2	---	1.4	PACE
QC-1 (c)	08/01/94	---	---	---	---	120	7.7	1.6	5.9	6.7	---	---	PACE
MW-3	12/23/94	167.17	14.70	---	152.47	ND<50	ND<0.5	0.78	ND<0.5	ND<0.5	---	1.7	PACE
QC-1 (c)	12/23/94	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-3	01/26/95	167.17	12.89	---	154.28	190	16	0.5	35	24	---	6.6	ATI
MW-3	06/08/95	167.17	19.95	---	147.22	330	21	4.0	34	32	---	7.0	ATI
MW-3	08/22/95	167.17	21.41	---	145.76	150	14	ND<0.50	ND<0.50	1.6	ND<5.0 (d)	6.6	ATI
MW-3	10/27/95	167.17	22.43	---	144.74	---	---	---	---	---	---	---	---
MW-3	10/30/95	167.17	---	---	---	51	2.4	ND<0.50	ND<0.50	ND<1.0	ND<5.0	6.9	ATI
MW-3	01/25/96	167.17	14.03	---	153.14	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	5.1	---	CEI
MW-3	04/19/96	167.17	15.26	---	151.91	460	55	4	33	63	ND<10	9.4	SPL
MW-3	07/23/96	167.17	19.19	---	147.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10	9.2	SPL
MW-3	11/11/96	167.17	20.24	---	146.93	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	8.4	SPL
MW-3	01/21/97	167.17	13.09	---	154.08	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.4	SPL
MW-3	04/29/97	167.17	18.14	---	149.03	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.3	SPL
MW-3	08/21/97	167.17	19.64	---	147.53	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.9	SPL
MW-3	11/05/97	167.17	19.95	---	147.22	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	4.5	SPL
MW-3	02/03/98	167.17	10.57	---	156.60	ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	4.7	SPL
MW-3	05/28/98	167.17	14.65	---	152.52	330	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	4.2	SPL
MW-3	12/30/98	167.17	16.63	---	150.54	---	---	---	---	---	---	---	---
MW-3	02/02/99	167.17	13.12	---	154.05	<250	<5.0	<5.0	<5.0	<5.0	<5.0	---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITERING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-3	05/10/99	167.17	14.21	---	152.96	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITERING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		DO (ppm)	LAB
MW-4	07/09/90	170.36	—	—	—	ND	ND	ND	ND	ND	—		—	—
MW-4	12/21/90	170.36	—	—	—	ND	ND	ND	ND	0.8	—		—	—
MW-4	03/07/91	170.36	20.72	—	149.64	ND	2.2	3.8	1.5	2.8	—		—	—
MW-4	06/27/91	170.36	—	—	—	ND	6.3	1.8	0.4	1.0	—		—	—
MW-4	09/27/91	170.36	—	—	—	ND	ND	ND	ND	ND	—		—	—
MW-4	12/18/91	170.36	—	—	—	ND	ND	ND	ND	ND	—		—	—
MW-4	04/01/91	170.36	17.49	—	152.87	ND	ND	ND	ND	ND	—		—	—
MW-4	07/03/92	170.36	22.16	—	148.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		—	ANA
MW-4	10/05/92	170.36	23.38	—	146.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		—	ANA
MW-4	01/13/93	170.36	17.58	—	152.78	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		—	PACE
MW-4	04/23/93	170.36	15.72	—	154.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		—	PACE
MW-4	07/12/93	170.36	21.74	—	148.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		—	PACE
MW-4	10/21/93	170.36	23.84	—	146.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		—	PACE
MW-4	01/21/94	170.36	22.42	—	147.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		—	PACE
MW-4	04/20/94	170.36	22.66	—	147.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		2.2	PACE
MW-4	08/01/94	170.36	23.01	—	147.35	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		1.9	PACE
MW-4	12/23/94	170.36	17.03	—	153.33	—	—	—	—	—	—		—	—
MW-4	01/26/95	170.36	17.42	—	152.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	—		7.5	ATI
MW-4	06/08/95	170.36	21.55	—	148.81	—	—	—	—	—	—		—	—
MW-4	08/22/95	170.36	23.47	—	146.89	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	(d)	6.4	ATI
MW-4	10/27/95	170.36	24.50	—	145.86	—	—	—	—	—	—		—	—
MW-4	01/25/96	170.36	18.74	—	151.62	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	58		—	CEI
MW-4	04/19/96	170.36	18.63	—	151.73	—	—	—	—	—	—		—	—
MW-4	07/23/96	170.36	22.56	—	147.80	—	—	—	—	—	—		—	—
MW-4	11/11/96	170.36	23.63	—	146.73	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	34		8.2	SPL
MW-4	01/21/97	170.36	16.59	—	153.77	—	—	—	—	—	—		—	—
MW-4	04/29/97	170.36	21.43	—	148.93	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.7	SPL
MW-4	08/21/97	170.36	22.91	—	147.45	—	—	—	—	—	—		—	—
MW-4	11/05/97	170.36	22.34	—	148.02	60	ND<0.5	ND<1.0	ND<1.0	ND<1.0	76		4.9	SPL
MW-4	02/03/98	170.36	12.26	—	158.10	—	—	—	—	—	—		—	SPL
MW-4	05/28/98	170.36	18.50	—	151.86	70	ND<0.5	ND<1.0	ND<1.0	ND<1.0	160		4.2	SPL
MW-4	12/30/98	170.36	19.69	—	150.67	—	—	—	—	—	—		—	—
MW-4	02/02/99	170.36	18.26	—	152.10	70	<1.0	<1.0	<1.0	<1.0	130		—	SPL
MW-4	05/10/99	170.36	17.86	—	152.50	—	—	—	—	—	—		—	—

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITERING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-5	07/09/90	165.14	—	—	—	280	200	210	46	290	—	—	—
MW-5	12/21/90	165.14	—	—	—	0.69	300	34	8.4	39	—	—	—
MW-5	03/07/91	165.14	16.60	—	148.54	ND	17	0.9	0.7	1.6	—	—	—
MW-5	06/27/91	165.14	—	—	—	330	120	10	12	8	—	—	—
MW-5	09/27/91	165.14	—	—	—	0.73	230	16	20	22	—	—	—
MW-5	12/18/91	165.14	—	—	—	ND	ND	ND	ND	ND	—	—	—
MW-5	04/01/91	165.14	11.99	—	153.15	800	250	54	11	60	—	—	—
MW-5	07/03/92	165.14	18.65	—	146.49	150	36	ND<0.5	ND<0.5	1.1	—	—	ANA
MW-5	10/05/92	165.14	20.32	—	144.82	270	79	4	1.7	2.9	—	—	ANA
MW-5	01/13/93	165.14	13.03	—	152.11	180	59	6.0	1.8	7.6	—	—	PACE
MW-5	04/23/93	165.14	13.51	—	151.63	8700	440	96	35	136	—	—	PACE
MW-5	07/12/93	165.14	18.06	—	147.08	250	57	2.9	2.1	6.0	—	—	PACE
MW-5	10/21/93	165.14	20.41	—	144.73	210	82	1.5	ND<0.5	1.4	—	—	PACE
MW-5	01/21/94	165.14	18.86	—	146.28	110	36	1.2	ND<0.5	0.7	—	—	PACE
MW-5	04/20/94	165.14	17.30	—	147.84	690	230	4.5	1.6	11	—	1.3	PACE
MW-5	08/01/94	165.14	17.53	—	147.61	170	44	1.6	0.9	2.7	—	0.9	PACE
MW-5	12/23/94	165.14	11.63	—	153.51	630	180	1.9	0.66	1.9	—	1.4	PACE
MW-5	01/26/95	165.14	11.25	—	153.89	160	68	ND<0.5	ND<0.5	22	—	5.9	ATI
MW-5	06/08/95	165.14	16.80	—	148.34	2000	630	58	61	180	—	6.5	ATI
QC-1 (c)	06/08/95	—	—	—	—	1700	560	51	55	170	—	—	ATI
MW-5	08/22/95	165.14	19.02	—	146.12	3700	1100	18	27	59	ND<130 (d)	7.3	ATI
MW-5	10/27/95	165.14	20.94	—	144.20	—	—	—	—	—	—	—	—
MW-5	10/30/95	165.14	—	—	—	6500	2200	55	180	270	ND<250	7.5	ATI
MW-5	01/25/96	165.14	13.30	—	151.84	590	37	0.70	ND<0.50	ND<1.0	ND<5.0	—	CEI
QC-1 (c)	01/25/96	—	—	—	—	540	37	0.66	ND<0.50	ND<1.0	ND<5.0	—	CEI
MW-5	04/19/96	165.14	13.63	—	151.51	1500	470	38	49	210	ND<50	8.1	SPL
MW-5	07/23/96	165.14	17.61	—	147.53	140	4.6	ND<0.5	ND<0.5	ND<0.5	ND<10	8.0	SPL
MW-5	11/11/96	165.14	18.70	—	146.44	140	40	ND<1.0	ND<1.0	ND<1.0	ND<10	7.9	SPL
MW-5	01/21/97	165.14	11.63	—	153.51	730	300	ND<5.0	7.8	26	ND<50	5.0	SPL
MW-5	04/29/97	165.14	16.74	—	148.40	340	530	ND<5.0	ND<5.0	ND<5.0	ND<50	4.8	SPL
MW-5	08/21/97	165.14	18.26	—	146.88	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.9	SPL
MW-5	11/05/97	165.14	18.84	—	146.30	120	13	ND<1.0	ND<1.0	ND<1.0	ND<10	4.4	SPL
MW-5	02/03/98	165.14	9.49	—	155.65	ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	4.3	SPL
MW-5	05/28/98	165.14	13.57	—	151.57	4900	1500	34	180	311	ND<10	4.1	SPL
MW-5	12/30/98	165.14	14.65	—	150.49	—	—	—	—	—	—	—	—
MW-5	02/02/99	165.14	12.56	—	152.58	100	<1.0	<1.0	<1.0	<1.0	9.1	—	SPL
MW-5	05/10/99	165.14	13.36	—	151.78	—	—	—	—	—	—	—	—

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITERING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-6	07/09/90	165.40	—	—	—	ND	ND	ND	ND	ND	—	—	—
MW-6	12/21/90	165.40	—	—	—	0.17	2.6	7.0	4.9	26	—	—	—
MW-6 (e)	03/07/91	165.40	—	—	—	—	—	—	—	—	—	—	—
MW-6 (e)	06/27/91	165.40	—	—	—	—	—	—	—	—	—	—	—
MW-6 (e)	09/27/91	165.40	—	—	—	—	—	—	—	—	—	—	—
MW-6	12/18/91	165.40	—	—	—	ND	1.3	22	ND	2.7	—	—	—
MW-6	04/01/91	165.40	11.79	—	153.61	ND	ND	ND	ND	ND	—	—	—
MW-6	07/03/92	165.40	17.77	—	147.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	ANA
MW-6	10/05/92	165.40	19.46	—	145.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	ANA
MW-6	01/13/93	165.40	11.34	—	154.06	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-6	04/23/93	165.40	12.92	—	152.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-6	07/12/93	165.40	17.36	—	148.04	ND<50	ND<0.5	ND<0.5	ND<0.5	0.7	—	—	PACE
MW-6	10/21/93	165.40	19.98	—	145.42	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-6	01/21/94	165.40	18.10	—	147.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-6	04/20/94	165.40	18.68	—	146.72	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	2.0	PACE
MW-6	08/01/94	165.40	18.90	—	146.50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	1.5	PACE
MW-6	12/23/94	165.40	12.94	—	152.46	—	—	—	—	—	—	—	—
MW-6	01/26/95	165.40	10.46	—	154.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	—	7.3	ATI
MW-6	06/08/95	165.40	16.84	—	148.56	—	—	—	—	—	—	—	—
MW-6	08/22/95	165.40	19.48	—	145.92	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0 (d)	6.7	ATI
MW-6	10/27/95	165.40	20.39	—	145.01	—	—	—	—	—	—	—	—
MW-6	01/25/96	165.40	12.24	—	153.16	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	9.9	—	CEI
MW-6	04/19/96	165.40	13.90	—	151.50	—	—	—	—	—	—	—	—
MW-6	07/23/96	165.40	17.83	—	147.57	—	—	—	—	—	—	—	—
MW-6	11/11/96	165.40	18.90	—	146.50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	7.7	SPL
MW-6	01/21/97	165.40	11.97	—	153.43	—	—	—	—	—	—	—	—
MW-6	04/29/97	165.40	17.04	—	148.36	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.5	SPL
MW-6	08/21/97	165.40	18.58	—	146.82	—	—	—	—	—	—	—	—
MW-6	11/05/97	165.40	19.17	—	146.23	70	ND<0.5	ND<1.0	ND<1.0	ND<1.0	85	4.3	SPL
MW-6	02/03/98	165.40	9.87	—	155.53	—	—	—	—	—	—	—	—
MW-6	05/28/98	165.40	13.38	—	152.02	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	3.7	SPL
MW-6	12/30/98	165.40	14.45	—	150.95	—	—	—	—	—	—	—	—
MW-6	02/02/99	165.40	18.29	—	147.11	—	—	—	—	—	—	—	—
MW-6	05/10/99	165.40	17.49	—	147.91	—	—	—	—	—	—	—	—

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITERING

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

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITERING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-8	03/07/91	165.74	16.72	—	149.02	2.7	780	450	64	310	—	—	—
MW-8	06/27/91	165.74	—	—	—	12000	3400	1100	240	750	—	—	—
MW-8	09/27/91	165.74	—	—	—	41	5700	5200	1100	4300	—	—	—
MW-8	12/18/91	165.74	—	—	—	3.2	990	150	120	250	—	—	—
MW-8	04/01/91	165.74	12.54	—	153.20	15000	3600	2600	410	1900	—	—	—
MW-8	07/03/92	165.74	18.78	—	146.96	72000	19000	32000	3000	15000	—	—	ANA
MW-8	10/05/92	165.74	20.48	0.01	145.27	—	—	—	—	—	—	—	—
MW-8	01/13/93	165.74	12.87	0.01	152.88	—	—	—	—	—	—	—	—
MW-8	04/23/93	165.74	13.90	SHEEN	151.84	—	—	—	—	—	—	—	—
MW-8	07/12/93	165.74	18.30	SHEEN	147.44	—	—	—	—	—	—	—	—
MW-8	10/21/93	165.74	21.91	0.95	144.54	—	—	—	—	—	—	—	—
MW-8	01/21/94	165.74	19.12	0.03	146.64	—	—	—	—	—	—	—	—
MW-8	04/20/94	165.74	19.28	0.03	146.48	26000	1700	4100	960	4000	—	1.1	PACE
MW-8	08/01/94	165.74	—	—	—	—	—	—	—	—	—	—	—
MW-8	12/23/94	165.74	13.81	0.03	151.95	—	—	—	—	—	—	—	—
MW-8	01/26/95	165.74	—	—	—	—	—	—	—	—	—	—	—
MW-8	06/08/95	165.74	17.82	0.29	148.14	—	—	—	—	—	—	—	—
MW-8	08/22/95	165.74	19.41	0.2	146.48	—	—	—	—	—	—	—	—
MW-8	10/27/95	165.74	20.47	0.14	145.38	—	—	—	—	—	—	—	—
MW-8	01/25/96	165.74	13.35	0.22	152.56	—	—	—	—	—	—	—	—
MW-8	04/19/96	165.74	14.40	0.2	151.49	—	—	—	—	—	—	—	—
MW-8	07/23/96	165.74	18.35	0.14	147.50	—	—	—	—	—	—	—	—
MW-8	11/11/96	165.74	19.41	0.02	146.35	—	—	—	—	—	—	—	—
MW-8	01/21/97	165.74	12.29	0.01	153.46	—	—	—	—	—	—	—	—
MW-8 (e)	04/29/97	165.74	—	—	—	—	—	—	—	—	—	—	—
MW-8	08/21/97	165.74	19.61	—	146.13	240000	1100	9300	4100	31100	ND<1000	5.2	SPL
MW-8	11/05/97	165.74	19.45	0.1	146.37	57000	790	2700	2300	15200	ND<1000	5.0	SPL
MW-8	02/03/98	165.74	9.33	0.03	156.43	—	—	—	—	—	—	—	—
MW-8	02/04/98	—	—	—	—	94000	570	1500	2100	15200	ND<2500	5.5	SPL
MW-8 (e)	05/28/98	165.74	—	—	—	—	—	—	—	—	—	—	—
MW-8	12/30/98	165.74	15.48	0.05	150.30	120000	460	2300	2200	15000	150	—	SPL
MW-8	02/02/99	165.74	18.29	--	147.45	82000	450	2200	3700	26000	ND<500	—	SPL
MW-8	05/10/99	165.74	15.62	–	150.12	28000	740	1800	1100	5800	ND<25	—	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITERING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-9	03/07/91	166.20	16.79	—	149.41	7.1	220	4	2.4	2400	—	—	—
MW-9	06/27/91	166.20	—	—	—	3600	520	400	85	310	—	—	—
MW-9	09/27/91	166.20	—	—	—	3.2	720	150	50	180	—	—	—
MW-9	12/18/91	166.20	—	—	—	ND	2.5	1.1	0.3	5.8	—	—	—
MW-9	04/01/91	166.20	12.89	—	153.31	12000	2000	2600	360	1600	—	—	—
MW-9	07/03/92	166.20	18.89	—	147.31	5700	17000	840	230	800	—	—	ANA
MW-9	10/05/92	166.20	20.52	—	145.68	1400	440	17	14	100	—	—	ANA
MW-9	01/13/93	166.20	12.92	—	153.28	11000	1200	1700	340	1400	—	—	PACE
QC-1 (c)	01/13/93	—	—	—		11000	1200	1600	330	1300	—	—	PACE
MW-9	04/23/93	166.20	14.08	—	152.12	24000	2800	4500	730	3400	—	—	PACE
MW-9	07/12/93	166.20	18.44	—	147.76	13000	1400	1100	360	1400	—	—	PACE
QC-1 (c)	07/12/93	—	—	—	—	10000	1200	900	310	1200	—	—	PACE
MW-9	10/21/93	166.20	21.81	0.89	145.06	—	—	—	—	—	—	—	—
MW-9	01/21/94	166.20	19.28	—	146.92	—	—	—	—	—	—	—	—
MW-9	04/20/94	166.20	19.72	—	146.48	43000	2800	6800	1300	7900	—	1.7	PACE
QC-1 (c)	04/20/94	—	—	—	—	45000	2700	6800	1200	8200	740 (d)	—	PACE
MW-9	08/01/94	166.20	20.18	0.05	146.06	—	—	—	—	—	—	—	—
MW-9	12/23/94	166.20	14.22	0.02	152.00	—	—	—	—	—	—	—	—
MW-9	01/26/95	166.20	11.85	0.13	154.45	—	—	—	—	—	—	—	—
MW-9	06/08/95	166.20	18.33	0.8	148.47	—	—	—	—	—	—	—	—
MW-9	08/22/95	166.20	19.95	0.01	146.26	—	—	—	—	—	—	—	—
MW-9	10/27/95	166.20	20.88	0.01	145.33	—	—	—	—	—	—	—	—
MW-9	01/25/96	166.20	13.84	0.07	152.41	—	—	—	—	—	—	—	—
MW-9 (e)	04/19/96	166.20	—	—	—	—	—	—	—	—	—	—	—
MW-9	07/23/96	166.20	18.84	0.03	147.38	—	—	—	—	—	—	—	—
MW-9	11/11/96	166.20	19.91	0.01	146.30	—	—	—	—	—	—	—	—
MW-9	01/21/97	166.20	12.93	0.01	153.28	—	—	—	—	—	—	—	—
MW-9	04/29/97	166.20	18.03	SHEEN	148.17	—	—	—	—	—	—	—	—
MW-9	04/30/97	166.20	—	—	—	78000	1900	3600	3100	20600	ND<5000	5.5	SPL
MW-9	08/21/97	166.20	19.56	0.01	146.65	110000	2100	3400	2300	18800	ND<500	5.1	SPL
MW-9	11/05/97	166.20	20.59	0.01	145.62	59000	1400	1700	2200	17000	ND<500	4.5	SPL
MW-9	02/03/98	166.20	10.56	—	155.64	55000	490	1200	1400	10200	ND<1000	4.9	SPL
MW-9	05/28/98	166.20	14.21	0.01	152.00	41000	250	1200	1500	11400	ND<250	3.8	SPL
QC-1 (c)	05/28/98	—	—	—	—	53000	290	830	1400	10500	ND<500	—	SPL
MW-9	12/30/98	166.20	15.61	—	150.59	83000	860	1300	2400	21000	180	—	SPL
MW-9	02/02/99	166.20	12.33	—	153.87	75000	530	960	1900	17000	ND<50	—	SPL
MW-9	05/10/99	166.20	15.67	—	150.53	22000	600	1500	1100	4400	72	—	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITERING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		DO (ppm)	LAB
MW-10	03/07/91	167.01	18.09	—	148.92	1.6	120	190	32	230	—		—	—
MW-10	06/27/91	167.01	—	—	—	12000	7300	500	150	300	—		—	—
MW-10	09/27/91	167.01	—	—	—	57	12000	7200	1400	4600	—		—	—
MW-10	12/18/91	167.01	—	—	—	5.3	2500	120	36	79	—		—	—
MW-10	04/01/91	167.01	13.92	—	153.09	ND	ND	ND	ND	ND	—		—	—
MW-10	07/03/92	167.01	19.92	—	147.09	8600	5100	1300	180	690	—		—	ANA
MW-10	10/05/92	167.01	21.92	0.19	145.23	—	—	—	—	—	—		—	—
MW-10	01/13/93	167.01	14.43	0.03	152.60	—	—	—	—	—	—		—	—
MW-10	04/23/93	167.01	15.26	0.06	151.80	—	—	—	—	—	—		—	—
MW-10	07/12/93	167.01	19.78	0.45	147.57	—	—	—	—	—	—		—	—
MW-10	10/21/93	167.01	22.90	0.69	144.63	—	—	—	—	—	—		—	—
MW-10	01/21/94	167.01	20.25	0.06	146.81	—	—	—	—	—	—		—	—
MW-10	04/20/94	167.01	20.74	—	146.27	100000	12000	24000	2400	14000	1600	(d)	1.0	PACE
MW-10	08/01/94	167.01	22.00	0.28	145.22	—	—	—	—	—	—		—	—
MW-10	12/23/94	167.01	16.08	0.25	151.12	—	—	—	—	—	—		—	—
MW-10	01/26/95	167.01	13.68	0.8	153.93	—	—	—	—	—	—		—	—
MW-10	06/08/95	167.01	19.08	0.75	148.49	—	—	—	—	—	—		—	—
MW-10	08/22/95	167.01	20.73	0.7	146.81	—	—	—	—	—	—		—	—
MW-10	10/27/95	167.01	21.69	0.63	145.79	—	—	—	—	—	—		—	—
MW-10	01/25/96	167.01	15.05	0.81	152.57	—	—	—	—	—	—		—	—
MW-10	04/19/96	167.01	16.26	0.58	151.19	—	—	—	—	—	—		—	—
MW-10	07/23/96	167.01	20.18	0.62	147.30	—	—	—	—	—	—		—	—
MW-10	11/11/96	167.01	21.20	0.2	145.96	—	—	—	—	—	—		—	—
MW-10	01/21/97	167.01	13.66	0.14	153.46	—	—	—	—	—	—		—	—
MW-10	04/29/97	167.01	18.71	0.21	148.46	—	—	—	—	—	—		—	—
MW-10	04/30/97	167.01	—	—	—	170000	9700	38000	4700	30500	ND<5000		5.6	SPL
MW-10	08/21/97	167.01	20.19	0.14	146.93	170000	9500	35000	4300	27100	ND<5000		5.3	SPL
MW-10	11/05/97	167.01	20.52	0.02	146.51	80000	3800	12000	2700	15700	ND<500		4.4	SPL
MW-10	02/03/98	167.01	10.62	0.01	156.40	—	—	—	—	—	—		—	—
MW-10	02/04/98	—	—	—	—	72000	500	1300	1700	12000	ND<1000		5.1	SPL
MW-10	05/28/98	167.01	15.46	—	151.55	220000	3200	24000	5200	43000	ND<1000		4.8	SPL
MW-10	12/30/98	167.01	16.65	—	150.36	110000	3500	14000	5800	50000	ND<50		—	SPL
MW-10	02/02/99	167.01	14.58	—	152.43	74000	1000	2800	1000	26000	860		—	SPL
MW-10	05/10/99	167.01	15.72	—	151.29	81000	2800	2800	3000	17000	220		—	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITERING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		DO (ppm)	LAB
RW-1	07/09/90	168.01	---	1.21	---	---	---	---	---	---	---		---	---
RW-1	12/21/90	168.01	---	0.01	---	---	---	---	---	---	---		---	---
RW-1	03/07/91	168.01	17.62	SHEEN	150.39	---	---	---	---	---	---		---	---
RW-1	06/27/91	168.01	---	0.04	---	---	---	---	---	---	---		---	---
RW-1	09/27/91	168.01	---	0.02	---	---	---	---	---	---	---		---	---
RW-1	12/18/91	168.01	---	0.02	---	---	---	---	---	---	---		---	---
RW-1	04/01/91	168.01	14.40	0.11	153.69	---	---	---	---	---	---		---	---
RW-1	07/03/92	168.01	20.66	SHEEN	147.35	---	---	---	---	---	---		---	---
RW-1	10/05/92	168.01	23.34	0.08	144.73	---	---	---	---	---	---		---	---
RW-1	01/13/93	168.01	16.59	0.05	151.46	---	---	---	---	---	---		---	---
RW-1	04/23/93	168.01	16.17	0.18	151.98	---	---	---	---	---	---		---	---
RW-1	07/12/93	168.01	20.18	0.06	147.88	---	---	---	---	---	---		---	---
RW-1	10/21/93	168.01	25.70	0.56	142.73	---	---	---	---	---	---		---	---
RW-1	01/21/94	168.01	21.24	0.4	147.07	---	---	---	---	---	---		---	---
RW-1	04/20/94	168.01	32.20	---	135.81	---	---	---	---	---	---		---	---
RW-1	08/01/94	168.01	21.70	---	146.31	29000	580	950	300	7800	1200	(d)	1.1	PACE
RW-1	12/23/94	168.01	16.02	---	151.99	1300	25	8.6	1.4	69	---		1.8	PACE
RW-1	01/26/95	168.01	13.78	---	154.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---	ATI
QC-1 (c)	01/26/95	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---	ATI
RW-1	06/08/95	168.01	20.05	---	147.96	1300	130	ND<1.0	ND<1.0	36	---		---	ATI
RW-1	08/22/95	168.01	21.74	---	146.27	3300	230	13	4.9	280	ND<25	(d)	6.6	ATI
QC-1 (c)	08/22/95	---	---	---	---	2800	210	9.3	4.3	250	ND<25	(d)	---	ATI
RW-1	10/27/95	168.01	32.00	---	136.01	---	---	---	---	---	---		---	---
RW-1	10/30/95	168.01	---	---	---	230	1.4	ND<1.0	ND<1.0	ND<2.0	650		6.9	ATI
QC-1 (c)	10/30/95	---	---	---	---	240	1.6	ND<1.0	ND<1.0	ND<2.0	630		---	ATI
RW-1	01/25/96	168.01	15.41	---	152.60	15000	3400	930	330	2500	5300		---	CEI
RW-1	04/19/96	168.01	16.83	---	151.18	35000	5500	3300	1700	9400	14000		7.6	SPL
QC-1 (c)	04/19/96	---	---	---	---	33000	5600	3200	1700	8800	15000		---	SPL
RW-1	07/23/96	168.01	20.76	---	147.25	46000	3600	2300	900	5100	36000		7.4	SPL
QC-1 (c)	07/23/96	---	---	---	---	47000	3700	2500	930	5300	35000		---	SPL
RW-1	11/11/96	168.01	21.73	---	146.28	34000	3000	1200	880	4600	22000		8.3	SPL
QC-1 (c)	11/11/96	---	---	---	---	31000	2900	1000	860	4600	22000		---	SPL
RW-1	01/21/97	168.01	14.20	---	153.81	260	40	16	2.7	34	1500		6.1	SPL
QC-1 (c)	01/21/97	---	---	---	---	270	42	17	2.7	36	1500		---	SPL
RW-1	04/29/97	168.01	19.15	---	148.86	32000	3100	590	1300	6000	46000		5.3	SPL
RW-1	08/21/97	168.01	20.67	---	147.34	7600	730	58	370	1780	9500		4.7	SPL
RW-1	11/05/97	168.01	21.01	---	147.00	39000	2300	86	1300	3840	56000		4.5	SPL
RW-1	02/03/98	168.01	10.68	---	157.33	3400	31	11	29	161	3200		5.1	SPL
RW-1	05/28/98	168.01	15.55	---	152.46	2000	90	15	60	305	2700		4.3	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITERING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
RW-1	12/30/98	168.01	17.35	—	150.66	—	—	—	—	—	—	—	—
RW-1	02/02/99	168.01	14.58	—	153.43	82000	2300	120	2000	3200	51000/78000 (g)	—	SPL
RW-1	05/10/99	168.01	16.00	—	152.01	15000	620	88	340	660	61000	—	SPL
QC-2 (f)	10/05/92	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	ANA
QC-2 (f)	01/13/93	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (f)	04/23/93	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (f)	07/12/93	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (f)	10/21/93	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (f)	01/21/94	—	—	—	—	ND<50	ND<0.5	2.1	ND<0.5	2.1	—	—	PACE
QC-2 (f)	04/20/94	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (f)	04/20/94	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (f)	12/23/94	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	ATI
QC-2 (f)	01/26/95	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	—	—	ATI
QC-2 (f)	06/08/95	—	—	—	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	—	ATI
QC-2 (f)	08/22/95	—	—	—	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0 (d)	—	ATI
QC-2 (f)	10/30/95	—	—	—	—	*ND<50*	*ND<0.50*	*ND<0.50*	*ND<0.50*	*ND<1.0*	*ND<5.0*	—	ATI
QC-2 (f)	01/25/96	—	—	—	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	—	CEI
QC-2 (f)	04/19/96	—	—	—	—	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	—	SPL

ABBREVIATIONS:

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

NOTES:

(a) Casing elevations surveyed to the nearest 0.01 foot relative to mean sea level.

(b) Groundwater elevations adjusted assuming a specific gravity of 0.75 for free product.

(c) Blind duplicate.

(d) A copy of the documentation for this data is included in Appendix C of Alisto report 10-024-10-001.

(e) Well inaccessible.

(f) Travel blank.

(g) EPA Methods 8020/8260 used.

Analytical Appendix

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

May 21, 1999

Mr. Scott Hooton
BP OIL COMPANY
295 SW 41 Street Bldg. 13, Ste N
Renton, WA 98055

The following report contains analytical results for the sample(s) received at Southern Petroleum Laboratories (SPL) on May 12, 1999. The sample(s) was assigned to Certificate of Analysis No. (s) 9905445 and analyzed for all parameters as listed on the chain of custody.

Any data flags or quality control exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

If you have any questions or comments pertaining to this data report, please do not hesitate to contact me. Please reference the above Certificate of Analysis No. during any inquiries.

Again, SPL is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Southern Petroleum Laboratories

Sonia West
Senior Project Manager

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Southern Petroleum Laboratories, Inc.

Certificate of Analysis Number: 99-05-445

Approved for Release by:

Sonia West
Sonia West, Senior Project Manager

5-21-99
Date

Joel Grice
Laboratory Director

Idelis Williams
Corporate Quality Assurance Director

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9905445-01

BP Oil Company
295 SW 41 Street Bldg.13,SteN
Renton, WA 98055
ATTN: Scott Hooton

P.O.# N/A, COC#118682
DATE: 05/20/99

PROJECT: #11132, 3201 35th Street
SITE: Oakland, CA
SAMPLED BY: Blaine Tech Services
SAMPLE ID: A

PROJECT NO: 990510-P2
MATRIX: WATER
DATE SAMPLED: 05/10/99 11:30:00
DATE RECEIVED: 05/12/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	61000	200 P	ug/L
BENZENE	620	5.0 P	ug/L
TOLUENE	88	5.0 P	ug/L
ETHYLBENZENE	340	5.0 P	ug/L
TOTAL XYLENE	660	5.0 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	1708		ug/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	98		
4-Bromofluorobenzene	105		
Method 8020A ***			
Analyzed by: DR			
Date: 05/19/99			
Gasoline Range Organics	15	0.250 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	107		
4-Bromofluorobenzene	100		
California LUFT Manual for Gasoline			
Analyzed by: LJ			
Date: 05/15/99 15:23:00			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.
SPL California License # 1903

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9905445-02

BP Oil Company
295 SW 41 Street Bldg.13,SteN
Renton, WA 98055
ATTN: Scott Hooton

P.O.# N/A, COC#118682
DATE: 05/20/99

PROJECT: #11132, 3201 35th Street
SITE: Oakland, CA
SAMPLED BY: Blaine Tech Services
SAMPLE ID: B

PROJECT NO: 990510-P2
MATRIX: WATER
DATE SAMPLED: 05/10/99 11:55:00
DATE RECEIVED: 05/12/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	220	50 P	ug/L
BENZENE	2800	50 P	ug/L
TOLUENE	2800	50 P	ug/L
ETHYLBENZENE	3000	50 P	ug/L
TOTAL XYLENE	17000	50 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	25600		ug/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	100		
4-Bromofluorobenzene	107		
Method 8020A ***			
Analyzed by: DR			
Date: 05/19/99			
Gasoline Range Organics	81	2.50 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	93		
4-Bromofluorobenzene	107		
California LUFT Manual for Gasoline			
Analyzed by: DR			
Date: 05/18/99 20:33:00			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.
SPL California License # 1903

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9905445-03

BP Oil Company
295 SW 41 Street Bldg.13,SteN
Renton, WA 98055
ATTN: Scott Hooton

P.O.# N/A, COC#118682
DATE: 05/20/99

PROJECT: #11132, 3201 35th Street
SITE: Oakland, CA
SAMPLED BY: Blaine Tech Services
SAMPLE ID: C

PROJECT NO: 990510-P2
MATRIX: WATER
DATE SAMPLED: 05/10/99 12:23:00
DATE RECEIVED: 05/12/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	72	25 P	ug/L
BENZENE	600	25 P	ug/L
TOLUENE	1500	25 P	ug/L
ETHYLBENZENE	1100	25 P	ug/L
TOTAL XYLENE	4400	25 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	7600		ug/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	96		
4-Bromofluorobenzene	101		
Method 8020A ***			
Analyzed by: LJ			
Date: 05/15/99			
Gasoline Range Organics	22	1.25 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	88		
4-Bromofluorobenzene	103		
California LUFT Manual for Gasoline			
Analyzed by: LJ			
Date: 05/15/99 16:16:00			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.
SPL California License # 1903

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9905445-04

BP Oil Company
295 SW 41 Street Bldg.13,SteN
Renton, WA 98055
ATTN: Scott Hooton

P.O.# N/A, COC#118682
DATE: 05/20/99

PROJECT: #11132, 3201 35th Street
SITE: Oakland, CA
SAMPLED BY: Blaine Tech Services
SAMPLE ID: D

PROJECT NO: 990510-P2
MATRIX: WATER
DATE SAMPLED: 05/10/99 12:47:00
DATE RECEIVED: 05/12/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	ND	25 P	ug/L
BENZENE	740	25 P	ug/L
TOLUENE	1800	25 P	ug/L
ETHYLBENZENE	1100	25 P	ug/L
TOTAL XYLENE	5800	25 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	9440		ug/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	100		
4-Bromofluorobenzene	107		
Method 8020A ***			
Analyzed by: DR			
Date: 05/18/99			
Gasoline Range Organics	28	1.25 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	88		
4-Bromofluorobenzene	111		
California LUFT Manual for Gasoline			
Analyzed by: DR			
Date: 05/18/99 22:19:00			

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.
SPL California License # 1903

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9905445-05

BP Oil Company
295 SW 41 Street Bldg.13,SteN
Renton, WA 98055
ATTN: Scott Hooton

P.O.# N/A, COC#118682
DATE: 05/20/99

PROJECT: #11132, 3201 35th Street
SITE: Oakland, CA
SAMPLED BY: Blaine Tech Services
SAMPLE ID: E

PROJECT NO: 990510-P2
MATRIX: WATER
DATE SAMPLED: 05/10/99 13:25:00
DATE RECEIVED: 05/12/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	3000	100 P	ug/L
BENZENE	160	100 P	ug/L
TOLUENE	1900	100 P	ug/L
ETHYLBENZENE	3700	100 P	ug/L
TOTAL XYLENE	24000	100 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	29760		ug/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	107		
4-Bromofluorobenzene	107		
Method 8020A ***			
Analyzed by: DR			
Date: 05/18/99			
Gasoline Range Organics	110	5.0 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	97		
4-Bromofluorobenzene	110		
California LUFT Manual for Gasoline			
Analyzed by: DR			
Date: 05/18/99 22:45:00			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.
SPL California License # 1903

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9905445-06

BP Oil Company
295 SW 41 Street Bldg.13,SteN
Renton, WA 98055
ATTN: Scott Hooton

P.O.# N/A, COC#118682
DATE: 05/20/99

PROJECT: #11132, 3201 35th Street
SITE: Oakland, CA
SAMPLED BY: Blaine Tech Services
SAMPLE ID: F

PROJECT NO: 990510-P2
MATRIX: WATER
DATE SAMPLED: 05/10/99 13:48:00
DATE RECEIVED: 05/12/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	75	50 P	ug/L
BENZENE	3200	50 P	ug/L
TOLUENE	3200	50 P	ug/L
ETHYLBENZENE	3700	50 P	ug/L
TOTAL XYLENE	20000	50 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	30100		ug/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	100		
4-Bromofluorobenzene	107		
Method 8020A ***			
Analyzed by: DR			
Date: 05/18/99			
Gasoline Range Organics	84	2.50 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	93		
4-Bromofluorobenzene	107		
California LUFT Manual for Gasoline			
Analyzed by: DR			
Date: 05/18/99 23:12:00			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.
SPL California License # 1903

QUALITY CONTROL

DOCUMENTATION

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020

Matrix: Aqueous
Units: ug/L

Batch Id: VARE990519031200

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	54	108	61 - 119
Toluene	ND	50	55	110	65 - 125
EthylBenzene	ND	50	56	112	70 - 118
O Xylene	ND	50	57	114	72 - 117
M & P Xylene	ND	100	110	110	72 - 116

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
BENZENE	ND	20	18	90.0	20	100	10.5	21	32 - 164
TOLUENE	ND	20	19	95.0	20	100	5.13	20	38 - 159
ETHYLBENZENE	ND	20	19	95.0	20	100	5.13	19	52 - 142
O XYLENE	ND	20	20	100	21	105	4.88	18	53 - 143
M & P XYLENE	ND	40	39	97.5	40	100	2.53	17	53 - 144

Analyst: DR
Sequence Date: 05/19/99
SPL ID of sample spiked: 9905601-03A
Sample File ID: E_E3082.TX0
Method Blank File ID:
Blank Spike File ID: E_E3074.TX0
Matrix Spike File ID: E_E3077.TX0
Matrix Spike Duplicate File ID: E_E3078.TX0

* = Values outside QC Range due to Matrix Interference (except RPD)
« = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (1st Q '97)
(***) = Source: SPL-Houston Historical Data (1st Q '97)

SAMPLES IN BATCH(SPL ID):

9905601-05A 9905601-01A 9905616-01A 9905616-02A
9905616-05A 9905445-01A 9905445-02A 9905605-01A
9905616-01A 9905616-02A 9905616-04A 9905616-05A
9905601-03A 9905601-02A 9905601-04A

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020

Matrix: Aqueous
Units: ug/L

Batch Id: VARE990514191700

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
MTBE	ND	50	39	78.0	72 - 128
Benzene	ND	50	42	84.0	61 - 119
Toluene	ND	50	43	86.0	65 - 125
EthylBenzene	ND	50	42	84.0	70 - 118
O Xylene	ND	50	42	84.0	72 - 117
M & P Xylene	ND	100	85	85.0	72 - 116

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
MTBE	1.1	20	22	104	22	104	0	20	39 - 150
BENZENE	ND	20	19	95.0	20	100	5.13	21	32 - 164
TOLUENE	ND	20	20	100	20	100	0	20	38 - 159
ETHYLBENZENE	ND	20	20	100	21	105	4.88	19	52 - 142
O XYLENE	ND	20	21	105	22	110	4.65	18	53 - 143
M & P XYLENE	ND	40	41	102	44	110	7.55	17	53 - 144

Analyst: LJ
Sequence Date: 05/14/99
SPL ID of sample spiked: 9905438-01A
Sample File ID: E_E2192.TX0
Method Blank File ID:
Blank Spike File ID: E_E2180.TX0
Matrix Spike File ID: E_E2182.TX0
Matrix Spike Duplicate File ID: E_E2183.TX0

* = Values outside QC Range due to Matrix Interference (except RPD)
« = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5>)| / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (1st Q '97)
(***) = Source: SPL-Houston Historical Data (1st Q '97)

SAMPLES IN BATCH(SPL ID): 9905438-05A 9905438-06A 9905438-07A 9905438-08A 9905438-09A 9905445-01A 9905445-03A 9905438-01A 9905438-02A 9905438-03A 9905438-04A

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020

Matrix: Aqueous
Units: ug/L

Batch Id: VARE990518092900

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
MTBE	ND	50	53	106	72 - 128
Benzene	ND	50	52	104	61 - 119
Toluene	ND	50	54	108	65 - 125
EthylBenzene	ND	50	54	108	70 - 118
O Xylene	ND	50	54	108	72 - 117
M & P Xylene	ND	100	110	110	72 - 116

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
MTBE	9.3	20	30	104	33	118	12.6	20	39 - 150
BENZENE	ND	20	18	90.0	21	105	15.4	21	32 - 164
TOLUENE	ND	20	19	95.0	23	115	19.0	20	38 - 159
ETHYLBENZENE	ND	20	19	95.0	22	110	14.6	19	52 - 142
O XYLENE	ND	20	19	95.0	23	115	19.0 *	18	53 - 143
M & P XYLENE	ND	40	38	95.0	46	115	19.0 *	17	53 - 144

Analyst: DR
Sequence Date: 05/18/99
SPL ID of sample spiked: 9905605-02A
Sample File ID: E_E3051.TX0
Method Blank File ID:
Blank Spike File ID: E_E3040.TX0
Matrix Spike File ID: E_E3044.TX0
Matrix Spike Duplicate File ID: E_E3045.TX0

* = Values outside QC Range due to Matrix Interference (except RPD)
« = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (1st Q '97)
(***) = Source: SPL-Houston Historical Data (1st Q '97)

SAMPLES IN BATCH(SPL ID):

9905434-10A 9905445-04A 9905445-05A 9905445-06A
9905605-01A 9905605-04A 9905615-02A 9905615-03A
9905616-03A 9905616-04A 9905605-02A 9905605-03A
9905434-07A 9905434-09A

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL BATCH QUALITY CONTROL REPORT **
California LUFT Manual for Gasoline

Matrix: Aqueous
Units: mg/L

Batch Id: VARE990514194300

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Gasoline Range Organics	ND	1.0	0.90	90.0	64 - 131

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
GASOLINE RANGE ORGANICS	ND	0.90	0.77	85.6	0.77	85.6	0	36	36 - 160

Analyst: LJ
Sequence Date: 05/14/99
SPL ID of sample spiked: 9905438-02A
Sample File ID: EE21193.TX0
Method Blank File ID:
Blank Spike File ID: EEE2181.TX0
Matrix Spike File ID: EEE2184.TX0
Matrix Spike Duplicate File ID: EEE2185.TX0

* = Values outside QC Range due to Matrix Interference (except RPD)
« = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical data (1st Q '97)
(***) = Source: SPL-Houston Historical Data (1st Q '97)

SAMPLES IN BATCH(SPL ID): 9905438-04A 9905438-05A 9905438-06A 9905438-07A 9905438-08A 9905438-09A 9905438-01A 9905438-02A 9905438-03A

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL BATCH QUALITY CONTROL REPORT **

California LUFT Manual for Gasoline

Matrix: Aqueous

Batch Id: VARE990518095600

Units: mg/L

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Gasoline Range Organics	ND	1.0	0.85	85.0	64 - 131

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
GASOLINE RANGE ORGANICS	0.21	0.90	1.1	98.9	0.93	80.0	21.1	36	36 - 160

Analyst: DR

Sequence Date: 05/18/99

SPL ID of sample spiked: 9905605-03A

Sample File ID: EEE3052.TX0

Method Blank File ID:

Blank Spike File ID: EEE3041.TX0

Matrix Spike File ID: EEE3046.TX0

Matrix Spike Duplicate File ID: EEE3047.TX0

* = Values outside QC Range due to Matrix Interference (except RPD)

« = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = [(<1> - <2>) / <3>] x 100

LCS % Recovery = (<1> / <3>) x 100

Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100

(**) = Source: SPL-Houston Historical data (1st Q '97)

(***) = Source: SPL-Houston Historical Data (1st Q '97)

SAMPLES IN BATCH(SPL ID):

9905445-04A 9905445-05A 9905445-06A 9905605-01A
9905615-02A 9905615-03A 9905616-03A 9905616-04A
9905605-02A 9905605-03A 9905434-10A 9905445-02A

CHAIN OF CUSTODY

AND

SAMPLE RECEIPT CHECKLIST

4405445

CHAIN OF CUSTODY

No. 118682

Page 1 of 1

CONSULTANT'S NAME: Blain Tech Services, Inc.	CONSULTANT'S ADDRESS: 1680 Rogers Ave., San Jose, CA 95112
BP SITE NUMBER: 11132	BP SITE / FACILITY ADDRESS: 3201 35th Street, Oakland
	CONSULTANT PROJECT NUMBER: 990510-P2
CONSULTANT PROJECT MANGER: Doug Sanders	PHONE NUMBER: (408)573-0555 X218
	FAX NUMBER: (408)573-7771
	CONSULTANT CONTRACT NUMBER:
BP CONTACT: Scott Hooton	BP ADDRESS: 295 SW 41st St., Renton, WA
	PHONE NUMBER: (425)251-0689
	FAX NO.: (425)251-0736
LAB CONTACT: SPL - Sonia West	LABORATORY ADDRESS: P.O. Box 20807, Houston, TX
	PHONE NUMBER: (800)969-6775
	FAX NO.: (713)660-8975
BP CONTACT REQUESTING RUSH TAT (Print BP Contact Name)	RUSH REQUESTED OF (Print Consultant Contact Name) / DATE/TIME
SHIPMENT DATE	SHIPMENT METHOD
	AIRBILL NUMBER: 804039490658

TAT: ☐ 24 Hours ☐ 48 Hours ☐ 72 Hours ☐ Standard 7 or 14 Days

ANALYSIS REQUIRED

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL.)	PRESERVATIVE LAB SAMPLE #	TPH/P	BTEX	MTBE	COMMENTS
A	5/10	11:30	W	3	Voa		X	X	X	
B	"	11:55	"	"	"		"	"	"	
C	"	12:23	"	"	"		"	"	"	
D	"	12:47	"	"	"		"	"	"	
E	"	13:25	"	"	"		"	"	"	
F	X	13:48	X	X	X		X	X	X	

SAMPLED BY (Please Print Name): Par / Sanna

SAMPLED BY (Signature):

ADDITIONAL COMMENTS: 2°C

RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY / AFFILIATION (Print Name / Signature)	DATE	TIME
Par / Sanna /	5/11/99	4:24			
			Mackrum / SPL	5/12/99	1000

CLV-16722-A (2/97)
PKG/50

DISTRIBUTION: WHITE - ORIGINAL (WITH DATA) YELLOW - BP PINK - LAB BLUE - CONSULTANT FIELD STAFF

SPL Houston Environmental Laboratory

Sample Login Checklist

Date: 5/12/99	Time: 1000

SPL Sample ID: 9905445

			Yes	No
1	Chain-of-Custody (COC) form is present.		✓	
2	COC is properly completed.		✓	
3	If no, Non-Conformance Worksheet has been completed.			
4	Custody seals are present on the shipping container.		✓	
5	If yes, custody seals are intact.		✓	
6	All samples are tagged or labeled.		✓	
7	If no, Non-Conformance Worksheet has been completed.			
8	Sample containers arrived intact		✓	
9	Temperature of samples upon arrival:		2° C	
10	Method of sample delivery to SPL:	SPL Delivery		
		Client Delivery		
		FedEx Delivery (airbill #)	804039490658	
		Other:		
11	Method of sample disposal:	SPL Disposal	✓	
		HOLD		
		Return to Client		

Name: Mockrum	Date: 5/12/99

Field
Data
Sheets

WELL GAUGING DATA

Project # 990510-P2 Date 5-10-99 Client BP

Site 3201 35th St. Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2	odor/sheen	18.25	.03	15mL	18.28	44.28		
MW-2	2					16.52	34.38		
MW-3	2					14.21	34.42		
MW-4	2					17.86	39.45		
MW-5	2					13.36	29.98		
MW-6	2					17.49	39.26		
MW-7	2					13.52	29.28		
MW-8	2	odor				15.62	34.00		
MW-9	2					15.67	38.40		
MW-10	2					15.72	34.02		
RW-1	6					16.00	38.38		

BP WELL MONITORING DATA SHEET

Project #: 990510-P2	Job # 11132
Sampler: PA-1	Date: 5-10-99
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 44.28	Depth to Water: 18.28
Depth to Free Product: 18.25	Thickness of Free Product (feet): .03
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

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

Sampling Method: Bailer / Disposable Bailer ✓ / Extraction Port / Other: ___

4.1 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 12.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
13:06	70.0	7.2	1346		4	
13:12	70.2	7.1	1221		8	
13:18	70.0	7.1	1112		12	
1 Bailed	5pH	15mL				

Did well dewater? Yes (No)		Gallons actually evacuated: 12	
Sampling Time: 13:25		Sampling Date: 5-10-99	
Sample I.D.: E		Laboratory: (SPL)	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 #: 490510-P2	Job # 11132
Sampler: PA-1	Date: 5-10-99
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 34.38	Depth to Water: 16.52
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
(2")	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

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

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

2.8	X	3	=	8.5 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
13:36	71.6	7.4	1426		3	
13:40	70.8	7.4	1279		6	
13:43	70.4	7.3	1252		9	

Did well dewater? Yes (No)		Gallons actually evacuated: 9	
Sampling Time: 13:48		Sampling Date: 5-10-99	
Sample I.D.: F		Laboratory: (SPL)	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 #: 990510-P2	Job # 11132
Sampler: Paul	Date: 5-10-99
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 34.00	Depth to Water: 15.62
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
(2")	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

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

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

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:36	71.2	7.5	1275		3	
12:39	70.6	7.4	1235		6	
12:43	70.0	7.4	1176		9	

Did well dewater? Yes (No)		Gallons actually evacuated: 9	
Sampling Time: 12:47		Sampling Date: 5-10-99	
Sample I.D.: D		Laboratory: (SPL)	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 #: 990510-P2	Job # 11132
Sampler: Paul	Date: 5-10-99
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 38.40	Depth to Water: 15.67
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
(2")	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg ✓ / Electric Submersible / Extraction Pump / Other: ____

Sampling Method: Bailer / Disposable Bailer ✓ / Extraction Port / Other: ____

3.6	X	3	=	10.9 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:10	70.8	7.4	1234		4	
12:14	70.6	7.2	1179		8	
12:18	70.2	7.2	1108		11	

Did well dewater? Yes (No)		Gallons actually evacuated: 11	
Sampling Time: 12:23		Sampling Date: 5-10-99	
Sample I.D.: C		Laboratory: (SPL)	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 #: 990510-P2	Job # 11132
Sampler: Paul	Date: 5-10-99
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 34.02	Depth to Water: 15.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer ✓ / Middleburg / Electric Submersible / Extraction Pump / Other: ____

Sampling Method: Bailer / Disposable Bailer ✓ / Extraction Port / Other: ____

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
11:42	71.6	7.0	1039		3	
11:46	71.2	6.9	988.		6	
11:50	70.8	6.9	954.		9	

Did well dewater? Yes (No)		Gallons actually evacuated: 9	
Sampling Time: 11:55		Sampling Date: 5-10-99	
Sample I.D.: B		Laboratory: (SPL)	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 #: 990510-A2	Job # 11132
Sampler: PAul	Date: 5-10-99
Well I.D.: RW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: 38.38	Depth to Water: 16.00
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
2"	0.16	5"	1.02
3"	0.37	(6")	1.47
4"	0 65	Other	radius^2 * 0.163

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

Sampling Method: Bailer / Disposable Bailer ✓ / Extraction Port / Other: ___

32.8 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 98.6 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
11:15	70.2	6.9	879.		33	
11:20	70.8	7.0	876.		66	
11:25	71.2	7.0	794.		99	

Did well dewater? Yes (No) Gallons actually evacuated: 100

Sampling Time: 11:30 Sampling Date: 5-10-99

Sample I.D.: A Laboratory: (SPL) 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