

S. T. Hooton
Team Leader
Environmental Remediation Management



BP OIL

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

October 18, 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 the *Second Quarter 1999 Groundwater Monitoring* report prepared by Blaine Tech Services on behalf of BP.

The report shows that aromatic petroleum constituents were detected in groundwater samples collected from six of the wells sampled this quarter (24 August 1999). The highest benzene concentration (9,100 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,

A handwritten signature in black ink, appearing to read 'Scott Hooton'.
Scott Hooton

attachment

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

99 OCT 22 PM 4:53
ENVIRONMENTAL
PROTECTION

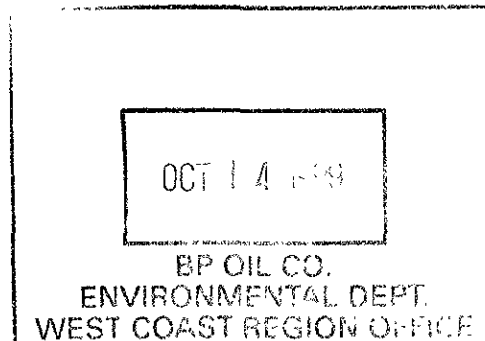
BLAINE
TECH SERVICES INC



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

October 7, 1999

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



3rd Quarter 1999 Monitoring at 11132

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

Monitoring Performed on August 24, 1999

Groundwater Sampling Report 990824-R-1

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

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

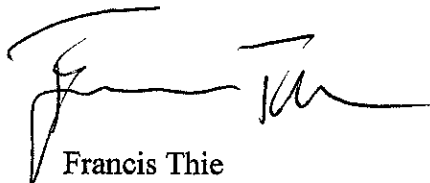
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The **Professional Engineering Appendix**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

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

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

Please call if you have any questions.

Yours truly,

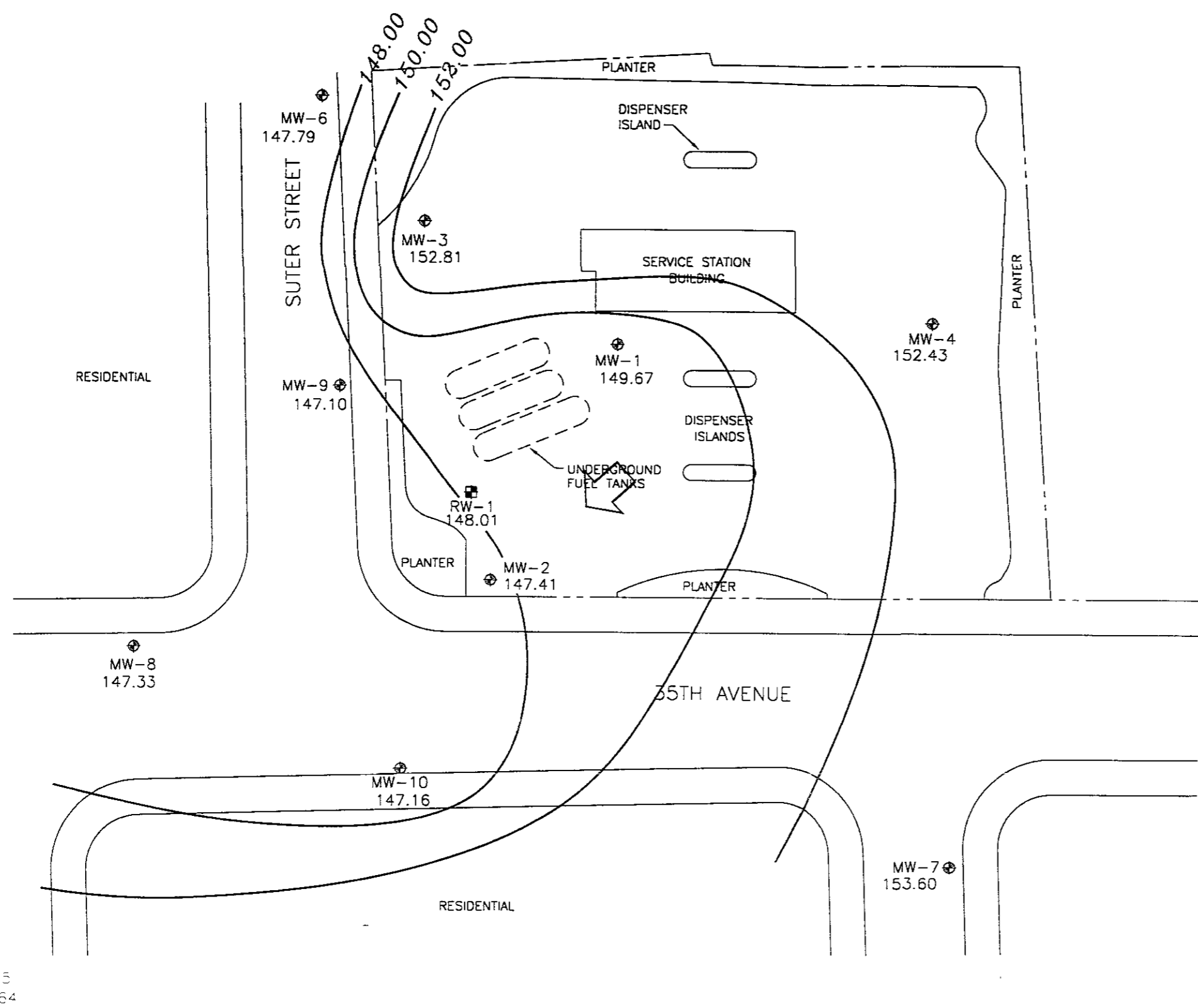
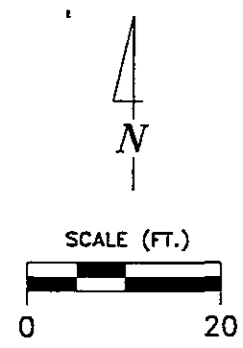
A handwritten signature in black ink, appearing to read 'Francis Thie', written over a horizontal line.

Francis Thie
Vice President

FPT/cm

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


Professional Engineering Appendix

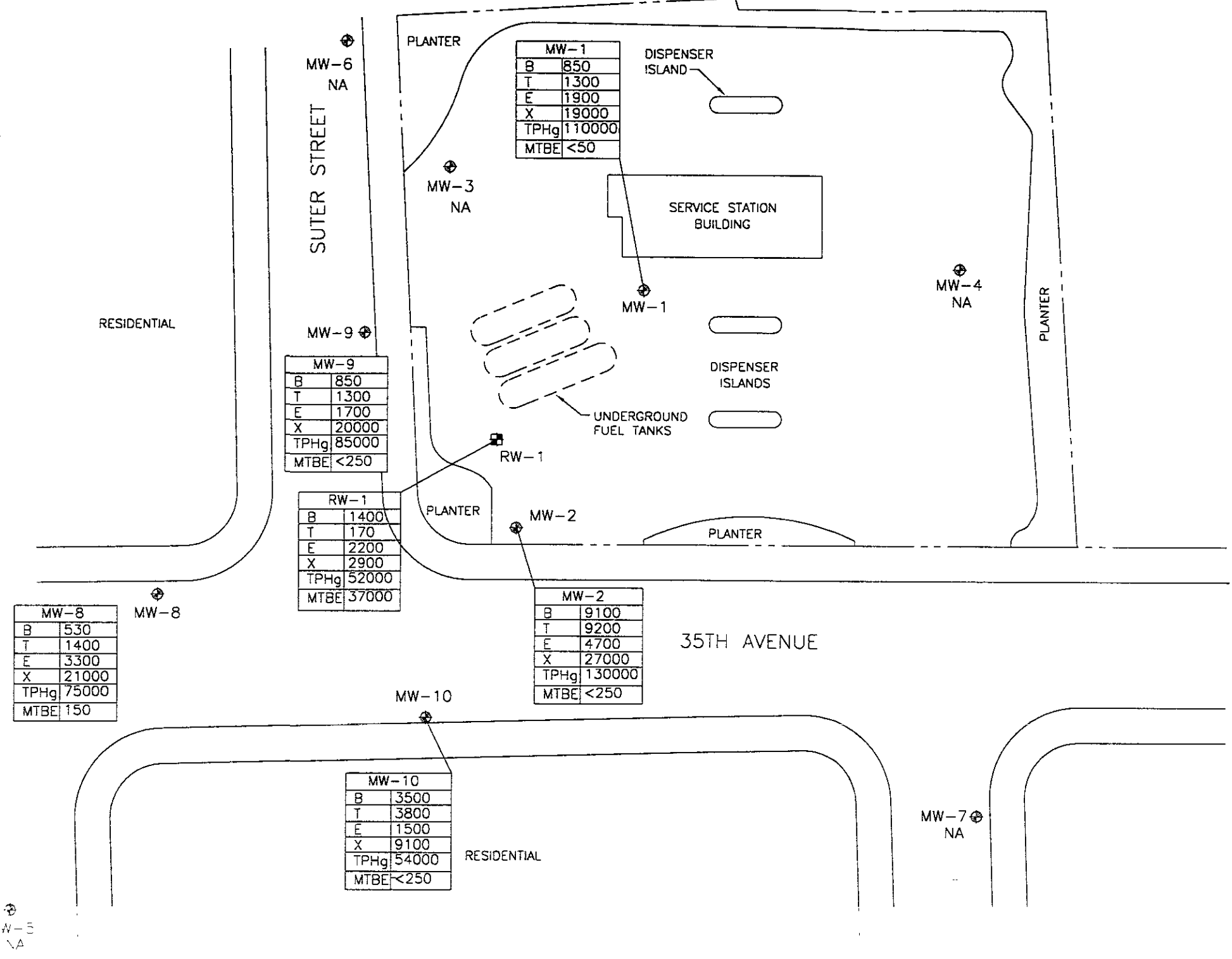
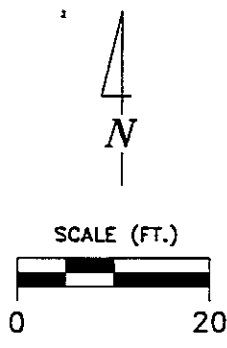


- EXPLANATION**
- ⊕ GROUNDWATER MONITORING WELL
 - ⊞ GROUNDWATER RECOVERY WELL
 - 152.43 GROUNDWATER ELEVATION (FT. MSL)
 - 148.00 — GROUNDWATER ELEVATION CONTOUR (FT. MSL)
 - APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.04



Ref: 11320000
Base map from Vista Engineering Group

PREPARED BY  engineering contracting firm	GROUNDWATER ELEVATION CONTOUR MAP, AUGUST 24 1999	FIGURE: 1 PROJECT: CAC04
	BP Oil Service Station No 11132 3201 35th Avenue Oakland, California	



MW-1	
B	850
T	1300
E	1900
X	19000
TPHg	110000
MTBE	<50

MW-9	
B	850
T	1300
E	1700
X	20000
TPHg	85000
MTBE	<250

RW-1	
B	1400
T	170
E	2200
X	2900
TPHg	52000
MTBE	37000

MW-2	
B	9100
T	9200
E	4700
X	27000
TPHg	130000
MTBE	<250

MW-10	
B	3500
T	3800
E	1500
X	9100
TPHg	54000
MTBE	<250

MW-8	
B	530
T	1400
E	3300
X	21000
TPHg	75000
MTBE	150

- 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
 - NA DATA NOT AVAILABLE

Ref: 132bte.dwg
Base map from Aliso Engineering Group

PREPARED BY



engineering contracting firm

HYDROCARBON CONCENTRATION MAP
AUGUST 24, 1999

BP Oil Service Station No 11132
3001 35th Avenue
Oakland, California

FIGURE:
2

PROJECT:
DACC4

Table of Well Data and Analytical Results

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-1	07/09/90	169.75	---	0.22	---	---	---	---	---	---	---	---	---
MW-1	12/21/90	169.75	---	0.58	---	---	---	---	---	---	---	---	---
MW-1	03/07/91	169.75	20.59	---	---	---	---	---	---	---	---	---	---
MW-1	06/27/91	169.75	---	0.18	---	---	---	---	---	---	---	---	---
MW-1	09/27/91	169.75	---	0.27	---	---	---	---	---	---	---	---	---
MW-1	12/18/91	169.75	---	0.28	---	---	---	---	---	---	---	---	---
MW-1	04/01/91	169.75	16.51	0.15	153.35	---	---	---	---	---	---	---	---
MW-1	07/03/92	169.75	22.30	0.27	147.65	---	---	---	---	---	---	---	---
MW-1	10/05/92	169.75	23.98	0.24	145.95	---	---	---	---	---	---	---	---
MW-1	01/13/93	169.75	17.03	0.24	152.90	---	---	---	---	---	---	---	---
MW-1	04/23/93	169.75	18.10	0.42	151.97	---	---	---	---	---	---	---	---
MW-1	07/12/93	169.75	22.02	0.49	148.10	---	---	---	---	---	---	---	---
MW-1	10/21/93	169.75	25.12	1.09	145.45	---	---	---	---	---	---	---	---
MW-1	01/21/94	169.75	23.02	0.76	147.30	---	---	---	---	---	---	---	---
MW-1	04/20/94	169.75	24.54	1.8	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 MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-1	05/10/99	169.75	18.28	0.03	151.49	110000	160	1900	3700	24000	3000	---	SPL
MW-1	08/24/99	169.75	20.13	0.06	149.67	110000	850	1300	1900	19000	ND<50	---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-2	07/09/90	168.14	---	0.1	---	---	---	---	---	---	---	---	---
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
MW-2	08/24/99	168.14	20.73	---	147.41	130000	9100	9200	4700	27000	ND<250	---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

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

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-3	05/10/99	167.17	14.21	---	152.96	---	---	---	---	---	---	---	---
MW-3	08/24/99	167.17	14.36	---	152.81	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-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	---	---	---	---	---	---	---	---
MW-4	08/24/99	170.36	17.93	---	152.43	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-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	---	---	---	---	---	---	---	---
MW-5	08/24/99	165.14	13.50	---	151.64	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-6	07/09/90	165.40	---	---	---	ND	ND	ND	ND	ND	---	---	---
MW-6	12/21/90	165.40	---	---	---	0.17	2.6	7.0	4.9	26	---	---	---
MW-6 (e)	03/07/91	165.40	---	---	---	---	---	---	---	---	---	---	---
MW-6 (e)	06/27/91	165.40	---	---	---	---	---	---	---	---	---	---	---
MW-6 (e)	09/27/91	165.40	---	---	---	---	---	---	---	---	---	---	---
MW-6	12/18/91	165.40	---	---	---	ND	1.3	22	ND	2.7	---	---	---
MW-6	04/01/91	165.40	11.79	---	153.61	ND	ND	ND	ND	ND	---	---	---
MW-6	07/03/92	165.40	17.77	---	147.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
MW-6	10/05/92	165.40	19.46	---	145.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
MW-6	01/13/93	165.40	11.34	---	154.06	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	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	---	---	---	---	---	---	---	---
MW-6	08/24/99	165.40	17.61	---	147.79	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-7	07/09/90	167.61	---	---	---	ND	ND	ND	ND	ND	---	---	---
MW-7	12/21/90	167.61	---	---	---	ND	ND	ND	ND	ND	---	---	---
MW-7	03/07/91	167.61	19.04	---	148.57	ND	ND	0.4	0.3	2.4	---	---	---
MW-7	06/27/91	167.61	---	---	---	70	17	4	0.8	2.2	---	---	---
MW-7	09/27/91	167.61	---	---	---	ND	0.4	ND	ND	0.4	---	---	---
MW-7	12/18/91	167.61	---	---	---	ND	0.7	2.9	0.8	3.3	---	---	---
MW-7	04/01/91	167.61	15.18	---	152.43	ND	ND	ND	ND	ND	---	---	---
MW-7	07/03/92	167.61	20.28	---	147.33	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
MW-7	10/05/92	167.61	21.56	---	146.05	ND<50	ND<0.5	ND<0.5	ND<0.5	1.5	---	---	ANA
MW-7	01/13/93	167.61	15.41	---	152.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	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	---	---	---	---	---	---	---	---
MW-7	08/24/99	167.61	14.01	---	153.60	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-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
MW-8	08/24/99	165.74	18.41	---	147.33	75000	530	1400	3300	21000	150	---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-9	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
MW-9	08/24/99	166.20	19.10	---	147.10	85000	850	1300	1700	20000	ND<250	---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-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
MW-10	08/24/99	167.01	19.85	---	147.16	54000	3500	3800	1500	9100	ND<250	---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

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

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
RW-1	12/30/98	168.01	17.35	---	150.66	---	---	---	---	---	---	---	---
RW-1	02/02/99	168.01	14.58	---	153.43	82000	2300	120	2000	3200	51000/78000 (g)	---	SPL
RW-1	05/10/99	168.01	16.00	---	152.01	15000	620	88	340	660	61000	---	SPL
RW-1	08/24/99	168.01	20.00	---	148.01	52000	1400	170	2200	2900	37000	---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
QC-2	(f) 10/05/92	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
QC-2	(f) 01/13/93	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	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 Anamatrix, 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.

TABLE 2 - PRODUCT REMOVAL STATUS

WELL ID	DATE OF MONITORING	PRODUCT THICKNESS (Feet)	PRODUCT REMOVED CUMULATIVE (Gallons)
MW-1	07/09/90	0.22	0.22
MW-1	12/21/90	0.58	0.80
MW-1	03/07/91	0	0.80
MW-1	06/27/91	0.18	0.98
MW-1	09/27/91	0.27	1.25
MW-1	12/18/91	0.28	1.53
MW-1	04/01/91	0.15	1.40
MW-1	07/03/92	0.27	1.67
MW-1	10/05/92	0.24	1.91
MW-1	01/13/93	0.24	2.15
MW-1	04/23/93	0.42	2.57
MW-1	07/12/93	0.49	3.06
MW-1	10/21/93	1.09	4.15
MW-1	01/21/94	0.76	3.82
MW-1	04/20/94	1.80	5.62
MW-1	08/01/94	0.35	5.97
MW-1	12/23/95	0.29	6.26
MW-1	01/26/99	1.10	7.36
MW-1	06/08/95	1.20	8.56
MW-1	08/22/95	0.85	9.41
MW-1	10/27/95	0.69	10.10
MW-1	01/25/96	1.40	11.50
MW-1	04/19/96	1.22	12.72
MW-1	07/23/96	0.89	13.61
MW-1	11/11/96	0.98	14.59
MW-1	01/21/97	0.90	14.51
MW-1	04/29/97	0.85	15.36
MW-1	04/30/97	---	15.36
MW-1	08/21/97	0.87	16.23
MW-1	11/05/97	0.54	16.77
MW-1	02/03/98	0.32	17.09
MW-1	02/04/98	---	17.09
MW-1	05/28/98	0.17	17.26
MW-1	12/30/98	0.08	17.34
MW-1	02/02/99	0.03	17.37
MW-1	05/10/99	0.03	17.40
MW-1	08/24/99	0.06	17.46

Analytical Appendix



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

September 1, 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 August 26, 1999. The sample(s) was assigned to Certificate of Analysis No. (s) 9908916 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: 99-08-916

Approved for Release by:

Sonia West

Sonia West, Senior Project Manager

9-1-99

Date

Joel Grice
Laboratory Director

Ted Yen
Corporate Quality Assurance Director

The attached analytical data package may not be reproduced except in full without the express written approval of this laboratory.
The results relate only to the samples tested.
Results reported on a Wet Weight Basis unless otherwise noted.



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

Certificate of Analysis No. H9-9908916-01

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

P.O.#
 N/A, COC#118682
 DATE: 08/31/99

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

PROJECT NO:
 MATRIX: WATER
 DATE SAMPLED: 08/24/99 11:16:00
 DATE RECEIVED: 08/26/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	37000	100 P	ug/L
BENZENE	1400	25 P	ug/L
TOLUENE	170	25 P	ug/L
ETHYLBENZENE	2200	25 P	ug/L
TOTAL XYLENE	2900	25 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	6670		ug/L

' Surrogate	% Recovery
1,4-Difluorobenzene	87
4-Bromofluorobenzene	93

Method 8020A ***
 Analyzed by: WLR
 Date: 08/30/99

Gasoline Range Organics	52	1.25 P	mg/L
-------------------------	----	--------	------

Surrogate	% Recovery
1,4-Difluorobenzene	112
4-Bromofluorobenzene	84

California LUFT Manual for Gasoline
 Analyzed by: WLR
 Date: 08/27/99 21:22:00

(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. H9-9908916-02

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

P.O.#
 N/A, COC#118682
 DATE: 08/31/99

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

PROJECT NO:
 MATRIX: WATER
 DATE SAMPLED: 08/24/99 11:44:00
 DATE RECEIVED: 08/26/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	ND	250 P	ug/L
BENZENE	850	250 P	ug/L
TOLUENE	1300	250 P	ug/L
ETHYLBENZENE	1700	250 P	ug/L
TOTAL XYLENE	20000	250 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	23850		ug/L

Surrogate

% Recovery

1,4-Difluorobenzene

91

4-Bromofluorobenzene

88

Method 8020A ***

Analyzed by: WLR

Date: 08/27/99

Gasoline Range Organics

85

12.5 P

mg/L

Surrogate

% Recovery

1,4-Difluorobenzene

100

4-Bromofluorobenzene

88

California LUFT Manual for Gasoline

Analyzed by: WLR

Date: 08/27/99 21:46:00

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

Certificate of Analysis No. H9-9908916-03

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

P.O.#
 N/A, COC#118682
 DATE: 08/31/99

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

PROJECT NO:
 MATRIX: WATER
 DATE SAMPLED: 08/24/99 12:16:00
 DATE RECEIVED: 08/26/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	150	25 P	ug/L
BENZENE	530	25 P	ug/L
TOLUENE	1400	25 P	ug/L
ETHYLBENZENE	3300	25 P	ug/L
TOTAL XYLENE	21000	25 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	26230		ug/L

Surrogate	% Recovery
1,4-Difluorobenzene	101
4-Bromofluorobenzene	97

Method 8020A ***
 Analyzed by: WLR
 Date: 08/30/99

Gasoline Range Organics	75	25.0 P	mg/L
-------------------------	----	--------	------

Surrogate	% Recovery
1,4-Difluorobenzene	93
4-Bromofluorobenzene	80

California LUFT Manual for Gasoline
 Analyzed by: WLR
 Date: 08/27/99 22:10:00

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

Certificate of Analysis No. H9-9908916-04

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

P.O.#
 N/A, COC#118682
 DATE: 08/31/99

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

PROJECT NO:
 MATRIX: WATER
 DATE SAMPLED: 08/24/99 12:45:00
 DATE RECEIVED: 08/26/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	ND	250 P	ug/L
BENZENE	3500	250 P	ug/L
TOLUENE	3800	250 P	ug/L
ETHYLBENZENE	1500	250 P	ug/L
TOTAL XYLENE	9100	250 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	17900		ug/L

Surrogate

% Recovery

1,4-Difluorobenzene

89

4-Bromofluorobenzene

92

Method 8020A ***

Analyzed by: WLR

Date: 08/27/99

Gasoline Range Organics

54

12.5 P

mg/L

Surrogate

% Recovery

1,4-Difluorobenzene

99

4-Bromofluorobenzene

100

California LUFT Manual for Gasoline

Analyzed by: WLR

Date: 08/27/99 22:34:00

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

Certificate of Analysis No. H9-9908916-05

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

P.O.#
 N/A, COC#118682
 DATE: 08/31/99

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

PROJECT NO:
 MATRIX: WATER
 DATE SAMPLED: 08/24/99 13:12:00
 DATE RECEIVED: 08/26/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	ND	250 P	ug/L
BENZENE	9100	250 P	ug/L
TOLUENE	9200	250 P	ug/L
ETHYLBENZENE	4700	250 P	ug/L
TOTAL XYLENE	27000	250 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	50000		ug/L
Surrogate			
1,4-Difluorobenzene	89		
4-Bromofluorobenzene	91		
Method 8020A ***			
Analyzed by: WLR			
Date: 08/27/99			
Gasoline Range Organics	130	12.5 P	mg/L
Surrogate			
1,4-Difluorobenzene	101		
4-Bromofluorobenzene	91		
California LUFT Manual for Gasoline			
Analyzed by: WLR			
Date: 08/27/99 22:58:00			

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

Certificate of Analysis No. H9-9908916-06

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

P.O.#
 N/A, COC#118682
 DATE: 08/31/99

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

PROJECT NO:
 MATRIX: WATER
 DATE SAMPLED: 08/24/99 13:40:00
 DATE RECEIVED: 08/26/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	ND	50 P	ug/L
BENZENE	850	50 P	ug/L
TOLUENE	1300	50 P	ug/L
ETHYLBENZENE	1900	50 P	ug/L
TOTAL XYLENE	19000	50 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	23050		ug/L

Surrogate	% Recovery
1,4-Difluorobenzene	93
4-Bromofluorobenzene	100

Method 8020A ***
 Analyzed by: WLR
 Date: 08/31/99

Gasoline Range Organics	110	25 P	mg/L
-------------------------	-----	------	------

Surrogate	% Recovery
1,4-Difluorobenzene	93
4-Bromofluorobenzene	93

California LUFT Manual for Gasoline
 Analyzed by: WLR
 Date: 08/30/99 22:29:00

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

QUALITY CONTROL

DOCUMENTATION



** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020

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

Matrix: Aqueous
Units: ug/L

Batch ID: HP_N990827085200

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery %	
MTBE	ND	50	46	92.0	72 - 128
Benzene	ND	50	53	106	61 - 119
Toluene	ND	50	53	106	65 - 125
EthylBenzene	ND	50	51	102	70 - 118
O Xylene	ND	50	50	100	72 - 117
M & P Xylene	ND	100	110	110	72 - 116

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
			MTBE	ND	20	21		105	20
BENZENE	ND	20	20	100	20	100	0	21	32 - 164
TOLUENE	ND	20	20	100	20	100	0	20	38 - 159
ETHYLBENZENE	ND	20	19	95.0	19	95.0	0	19	52 - 142
O XYLENE	ND	20	19	95.0	18	90.0	5.41	18	53 - 143
M & P XYLENE	ND	40	41	102	41	102	0	17	53 - 144

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

Analyst: WLR

< = Data outside Method Specification limits.

Sequence Date: 08/27/99

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

SPL ID of sample spiked: 9908949-08A

ND = Not Detected/Below Detection Limit

Sample File ID: N_H4207.TX0

% Recovery = $[(<1> - <2>) / <3>] \times 100$

Method Blank File ID:

LCS % Recovery = $(<1> / <3>) \times 100$

Blank Spike File ID: N_H4186.TX0

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

Matrix Spike File ID: N_H4202.TX0

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

Matrix Spike Duplicate File ID: N_H4203.TX0

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

SAMPLES IN BATCH(SPL ID):

9908915-03A 9908916-01A 9908916-02A 9908916-04A
9908916-05A 9908825-14A 9908912-01A 9908912-02A
9908916-01A 9908915-01A 9908915-02A



** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020

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

Matrix: Aqueous
Units: ug/L

Batch Id: HP_N990830084100

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery %	
MTBE	ND	50	44	88.0	72 - 128
Benzene	ND	50	52	104	61 - 119
Toluene	ND	50	53	106	65 - 125
EthylBenzene	ND	50	51	102	70 - 118
O Xylene	ND	50	51	102	72 - 117
M & P Xylene	ND	100	100	100	72 - 116

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits (***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
			MTBE	ND	20	21		105	20
BENZENE	12	20	31	95.0	30	90.0	5.41	21	32 - 164
TOLUENE	ND	20	23	115	20	100	14.0	20	38 - 159
ETHYLBENZENE	ND	20	21	105	21	105	0	19	52 - 142
O XYLENE	ND	20	21	105	20	100	4.88	18	53 - 143
M & P XYLENE	ND	40	43	108	42	105	2.82	17	53 - 144

* = 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)

Analyst: WLR

Sequence Date: 08/30/99

SPL ID of sample spiked: 9908995-01A

Sample File ID: N_H5026.TX0

Method Blank File ID:

Blank Spike File ID: N_H5003.TX0

Matrix Spike File ID: N_H5021.TX0

Matrix Spike Duplicate File ID: N_H5022.TX0

SAMPLES IN BATCH(SPL ID):

9908A25-02A 9908A25-01A 9908917-04A 9908992-01A
 9908995-03A 9908993-01A 9908917-05A 9908917-03A
 9908917-04A 9908916-06A 9908995-02A 9908994-02A
 9908994-01A 9908995-01A 9908916-03A



Matrix: Aqueous
Units: mg/L

Batch Id: HP_N990827155200

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery %	
Gasoline Range Organics	ND	1.0	0.91	91.0	64 - 131

MATRIX SPIKES

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
			GASOLINE RANGE ORGANICS	0.076	0.90	0.98		100	1.1

Analyst: WLR

Sequence Date: 08/27/99

SPL ID of sample spiked: 9908949-04A

Sample File ID: NNH4208.TX0

Method Blank File ID:

Blank Spike File ID: NNH4200.TX0

Matrix Spike File ID: NNH4204.TX0

Matrix Spike Duplicate File ID: NNH4205.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 = $[(<1> - <2>) / <3>] \times 100$

LCS % Recovery = $(<1> / <3>) \times 100$

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

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

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

SAMPLES IN BATCH(SPL ID):

9908916-01A 9908916-02A 9908916-03A 9908916-04A
9908916-05A 9908915-01A 9908915-02A 9908915-03A



** SPL BATCH QUALITY CONTROL REPORT **

California LUFT Manual for Gasoline

HOUSTON LABORATORY

8880 INTERCHANGE DRIVE

HOUSTON, TEXAS 77054

PHONE (713) 660-0901

Matrix: Aqueous

Batch Id: HP_N990830151300

Units: mg/L

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery %	
Gasoline Range Organics	ND	1.0	0.82	82.0	64 - 131

MATRIX SPIKES

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
			GASOLINE RANGE ORGANICS	0.11	0.90	0.95		93.3	0.99

* = 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)

Analyst: WLR

Sequence Date: 08/30/99

SPL ID of sample spiked: 9908969-03A

Sample File ID: NNH5027.TX0

Method Blank File ID:

Blank Spike File ID: NNH5019.TX0

Matrix Spike File ID: NNH5023.TX0

Matrix Spike Duplicate File ID: NNH5024.TX0

SAMPLES IN BATCH(SPL ID):

9908917-03A 9908917-04A 9908917-05A 9908992-01A
 9908993-01A 9908994-02A 9908995-02A 9908995-03A
 9908916-06A 9908995-01A 9908994-01A

CHAIN OF CUSTODY
AND
SAMPLE RECEIPT CHECKLIST



9908916

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 990824 R1
CONSULTANT PROJECT MANGER Doug Sanders		PHONE NUMBER (408) 573-0555 X218	FAX NUMBER (408) 573-7771
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

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

ANALYSIS REQUIRED

AIRBILL NUMBER **806949045527**

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX SOL/WATER	CONTAINERS		PRESERVATIVE	TH-G	STAX	MTBE										COMMENTS
				NO.	TYPE (VOL)	LAB SAMPLE #													
✓ A	8/24	10:46	W	3			X	X	X										
✓ B		11:44					X	X	X										
✓ C		12:16					X	X	X										
✓ D		12:45					X	X	X										
✓ E		13:12					X	X	X										
✓ F		13:40					X	X	X										

SAMPLED BY (Please Print Name) Jim Rosa			SAMPLED BY (Signature) <i>Jim Rosa</i>			ADDITIONAL COMMENTS 3°C		
RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY / AFFILIATION (Print Name / Signature)	DATE	TIME			
<i>Jim Rosa</i>	8/24/99	15:25						
			<i>Paul C...</i>	8/26/99	1000			

SPL Houston Environmental Laboratory

Sample Login Checklist

Date: 8/26/99	Time: 1000
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SPL Sample ID:

9908916

		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:	3° C	
10	Method of sample delivery to SPL:	SPL Delivery	
		Client Delivery	
		FedEx Delivery (airbill #) 80694904527	
		Other:	
11	Method of sample disposal:	SPL Disposal ✓	
		HOLD	
		Return to Client	

Name:	Date: 8/26/99
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Field Data Sheets

WELL MONITORING DATA SHEET

Project #: 990824R-1	Client: 11132
Sampler: Sim	Start Date: 8-24-99
Well I.D.: MW-1	Well Diameter: ② 3 4 6 8
Total Well Depth: 44.28	Depth to Water: 20.13
Before: _____ After: _____	Before: _____ After: _____
Depth to Free Product: 20.07	Thickness of Free Product (feet): 0.06
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Purge Method: **Bailer**
Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump
 Other: _____

Sampling Method: **Bailer**
Disposable Bailer
 Extracnon Port
 Other: _____

3.8 (Gals.) X 3 = 11.4 Gals.
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.165

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
13:20	71.8	7.2	1412	/	4	Empty Skimmer
13:27	71.9	7.2	1381		8	Bailed FP
13:34	70.9	7.2	1329		11.5	30 ml.

Did well dewater? Yes No Gallons actually evacuated: **11.5**

Sampling Time: **13:40** Sampling Date: **8-24-99**

Sample I.D.: **F** Laboratory: **SPL**

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

Equipment Blank I.D.: _____ @ _____ Duplicate I.D.: _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

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

ORP (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

WELL MONITORING DATA SHEET

Project #: <u>99082412-1</u>	Client: <u>11/32</u>
Sampler: <u>Sim</u>	Start Date: <u>8-24-99</u>
Well I.D.: <u>MW-2</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>34.40</u>	Depth to Water: <u>20.73</u>
Before: _____ After: _____	Before: _____ After: _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: <u>PVC</u> Grade _____	D.O. Meter (if req'd): YSI _____ HACH _____

Purge Method: Bailer
Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump
 Other: _____

Sampling Method: Bailer
Disposable Bailer
 Extraction Port
 Other: _____

2.1 (Gals.) X 3 = 6.3 Gals.
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:58	72.3	7.5	1391	/	2.5	Cloudy
13:03	72.1	7.3	1342		4.5	Mild odor
13:08	71.6	7.2	1298		6.5	Empty
						Skimmer & FP

Did well dewater? Yes No Gallons actually evacuated: 6.5

Sampling Time: 13:12 Sampling Date: 8-24-99

Sample I.D.: E Laboratory: SPL

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

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

ORP (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

WELL MONITORING DATA SHEET

Project #: <u>990824R-1</u>	Client: <u>11132</u>
Sampler: <u>Sim</u>	Start Date: <u>8-24-99</u>
Well I.D.: <u>MW-8</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>34.00</u>	Depth to Water: <u>18.41</u>
Before: _____ After: _____	Before: _____ After: _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method: Bailer
Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump
 Other: _____

Sampling Method: Bailer
Disposable Bailer
 Extraction Port
 Other: _____

<u>2.4</u>	(Gals.) X	<u>3</u>	=	<u>7.2</u>	Gals.
1 Case Volume		Specified Volumes		Calculated Volume	

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.165

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>12:02</u>	<u>72.4</u>	<u>7.6</u>	<u>1310</u>	/	<u>2.5</u>	<u>odor</u>
<u>12:07</u>	<u>72.1</u>	<u>7.4</u>	<u>1283</u>		<u>5</u>	<u>dark</u>
<u>12:12</u>	<u>71.8</u>	<u>7.4</u>	<u>1215</u>		<u>7.5</u>	<u>/</u>

Did well dewater? Yes No Gallons actually evacuated: 7.5

Sampling Time: 12:16 Sampling Date: 8-24-99

Sample I.D.: C Laboratory: SPL

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

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

ORP (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

WELL MONITORING DATA SHEET

Project #: 990824R-1	Client: 11132
Sampler: Sim	Start Date: 8-24-99
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8
Total Well Depth: 38.38	Depth to Water: 19.10
Before: After:	Before: After:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method: Bailer Sampling Method: Bailer

Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump

Disposable Bailer
 Extraction Port
 Other: _____

Other: _____

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

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
11:29	72.3	7.2	1256	/	3	Empty
11:33	71.9	7.1	1206		6	Skimmer
11:37	71.8	7.1	1187		9	Φ FP
						Mild odor cloudy

Did well dewater? Yes No Gallons actually evacuated: 9

Sampling Time: 11:44 Sampling Date: 8-24-99

Sample I.D.: B Laboratory: SPL

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

Equipment Blank I.D.: @ Duplicate I.D.:

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
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CRP (if req'd):	Pre-purge:	mV	Post-purge:	mV
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WELL MONITORING DATA SHEET

Project #: 990824R-1	Client: 11/32
Sampler: Sim	Start Date: 8-24-99
Well I.D.: MW-10	Well Diameter: ② 3 4 6 8 _____
Total Well Depth: 34.02	Depth to Water: 19.85
Before: _____ After: _____	Before: _____ After: _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Purge Method: **Bailer**
Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump

Sampling Method: **Bailer**
Disposable Bailer
 Extraction Port
 Other: _____

Other: _____

2.2	(Gals.) X	3	=	6.6	Gals.
1 Case Volume		Specified Volumes		Calculated Volume	

Well Diameter	Multplier	Well Diameter	Multplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.165

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:30	71.8	7.1	1120	/	2.5	Emptied
12:35	71.7	6.9	1038		4.5	Skimmer
12:40	71.0	7.0	1042		6.5	Q FP

Did well dewater? Yes No Gallons actually evacuated: **6.5**

Sampling Time: **12:45** Sampling Date: **8-24-99**

Sample I.D.: **0** Laboratory: **SPL**

Analyzed for: **TPH-G BTEX MTBE** TPH-D Other: _____

Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

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

ORP (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

