

BP Amoco



Scott T. Hooton
Portfolio Manager

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

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

A BP Amoco Group Company

September 15, 2000

Alameda County Health Care Services Agency
Attention Mr. Amir K. Gholami - REHS
1131 Harbor Bay Parkway, STE 250
Alameda, CA 94502-6677

RE: Former BP Oil Site No. 11107
18501 Hesperian Boulevard
San Lorenzo, CA

780

MRSP. v. v. v. v. v.
11/16/2000
AG

Dear Mr. Gholami:

This transmits the *Third Quarter 2000 Groundwater Monitoring* report prepared on behalf of BP by Blaine Tech Services. The report summarizes chemical data obtained since 1992, including results associated with samples obtained on 24 July 2000.

The enclosed report shows that aromatic petroleum hydrocarbons and TPHg was not detected in samples obtained on 24 July 2000. The highest MTBE concentrations are associated with samples obtained from well MW-5 (630 ug/l).

Please contact me at (425) 251-0689 if you have questions.

Sincerely,

Scott Hooton

attachment

cc: site file
David Camille - Tosco (w/attachment)
Khaled Rahman - Cambria (w/attachment)

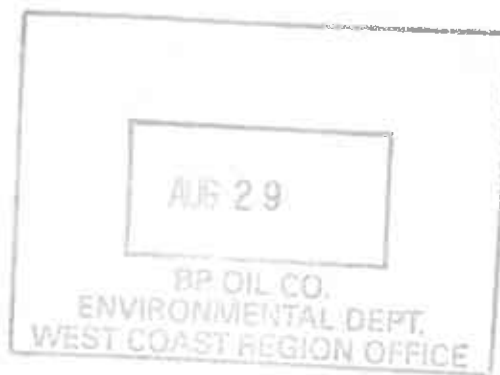
11107-



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

August 25, 2000

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



3rd Quarter 2000 Monitoring at 11107

Third Quarter 2000 Groundwater Monitoring
 BP Service Station Number 11107
 18501 Hesperian Boulevard
 San Lorenzo, CA

Monitoring Performed on July 24, 2000

Groundwater Sampling Report 000724-I-3

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.

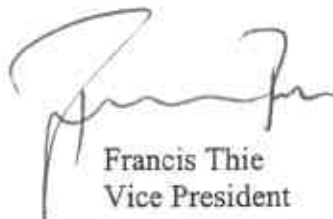
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The **Professional Engineering Appendix** 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

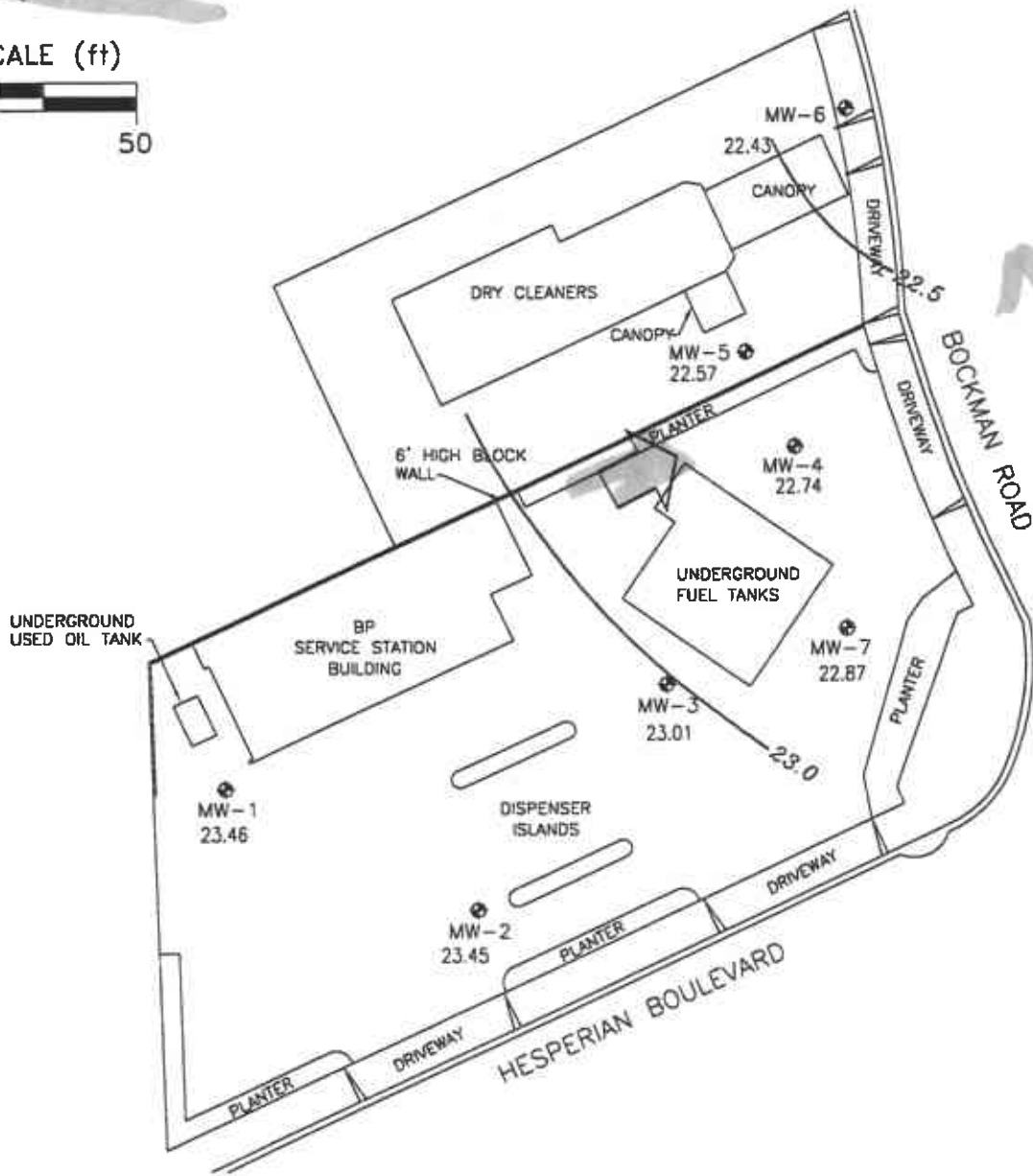
FPT/cm

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

Professional Engineering Appendix



SCALE (ft)



EXPLANATION

- ⊕ GROUNDWATER MONITORING WELL
- 23.45 GROUNDWATER ELEVATION (FT, MSL)
- 22.5 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- ➔ APPROXIMATE GROUNDWATER FLOW DIRECTION;
APPROXIMATE GRADIENT = 0.004



Ref. 111107bm.dwg
Basemap from Alisto Engineering Group

PREPARED BY

BP Service Station No. 1107
 18501 Hesperian Boulevard
 San Lorenzo, California

GROUNDWATER ELEVATION CONTOUR MAP,
JULY 24, 2000

FIGURE:
1

PROJECT:
 DAC04



SCALE (ft)

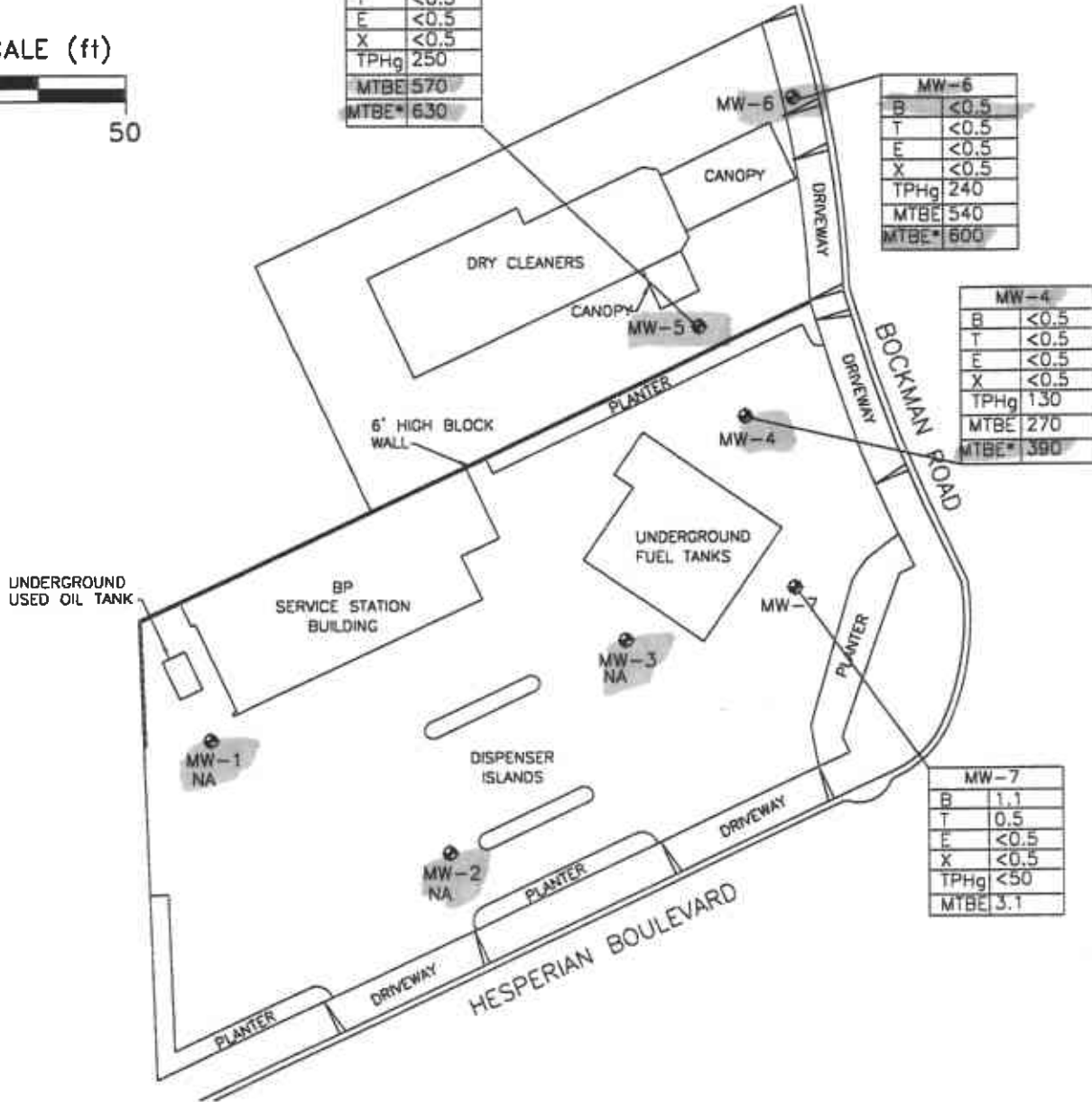


MW-5	
B	<0.5
T	<0.5
E	<0.5
X	<0.5
TPHg	250
MTBE	570
MTBE*	630

MW-6	
B	<0.5
T	<0.5
E	<0.5
X	<0.5
TPHg	240
MTBE	540
MTBE*	600

MW-4	
B	<0.5
T	<0.5
E	<0.5
X	<0.5
TPHg	130
MTBE	270
MTBE*	390

MW-7	
B	1.1
T	0.5
E	<0.5
X	<0.5
TPHg	<50
MTBE	3.1



EXPLANATION

- ⊕ GROUNDWATER MONITORING WELL
- TPHg TOTAL PETROLEUM HYDROCARBON CALCULATED AS GASOLINE IN PARTS PER BILLION (ppb)
- B BENZENE, ppb
- T TOLUENE, ppb
- E ETHYLBENZENE, ppb
- X XYLENE, ppb
- MTBE METHYL-TERT-BUTYL-ETHER, ppb
- MTBE* MTBE BY 8260
- NA DATA NOT AVAILABLE

Ref. 111107blax.dwg
Basemap from Alisto Engineering Group

PREPARED BY



BP Service Station No. 11107
18501 Hesperian Boulevard
San Lorenzo, California

HYDROCARBON CONCENTRATION MAP,
JULY 24, 2000

FIGURE:
2
PROJECT:
DAC04

Table of Well Data and Analytical Results

Table 1 - Summary of Results of Groundwater Sampling

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (b) (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	1,1,1-TCA (ug/l)	PCE (ug/l)	DO (ppm)	LAB
MW-1	11/04/92	41.07	20.78	20.29	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	2.8	ND	---	PACE
QC-1	(c) 11/04/92	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	PACE
MW-1	02/24/94	41.07	20.70	20.37	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	1.5	0.9	---	PACE
MW-1	05/12/94	41.07	18.12	22.95	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	1.0	ND<0.5	7	PACE
MW-1	09/09/94	41.07	21.74	19.33	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND<0.5	ND<0.5	2.3	PACE
MW-1	11/03/94	41.07	20.01	21.06	ND<50	50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND<0.5	ND<0.5	4.3	PACE
MW-1	03/01/95	41.07	17.44	23.63	ND<50	ND<500	ND<50	ND<0.50	ND<0.50	ND<1.0	---	420	0.54	0.3	2.3	ATI
MW-1	06/06/95	41.07	17.55	23.52	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	09/01/95	41.07	18.19	22.88	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	60	---	---	8.8	ATI
MW-1	11/29/95	41.07	18.84	22.23	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/23/96	41.07	16.97	24.10	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	---	9.6	SPL
MW-1	09/05/96	41.07	17.74	23.33	110	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	---	3.6	SPL
MW-1	03/11/97	41.07	17.62	23.45	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	---	5.2	SPL
MW-1	12/08/97	41.07	16.30	24.77	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	---	---	---
MW-1	07/08/98	41.07	16.66	24.41	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/07/98	41.07	17.80	23.27	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	01/19/99	41.07	17.18	23.89	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	04/23/99	41.07	17.40	23.67	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	07/20/99	41.07	17.76	23.31	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	02/29/00	41.07	17.17	23.90	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	04/14/00	41.07	17.22	23.85	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	07/24/00	41.07	17.61	23.46	---	---	---	---	---	---	---	---	---	---	---	---

Table 1 - Summary of Results of Groundwater Sampling

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (b) (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	1,1,1-TCA (ug/l)	PCE (ug/l)	DO (ppm)	LAB
MW-2	11/04/92	40.56	20.16	20.40	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	PACE
MW-2	02/24/94	40.56	20.12	20.44	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	PACE
MW-2	05/12/94	40.56	17.49	23.07	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	7.4	PACE
MW-2	09/09/94	40.56	21.12	19.44	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	2.1	PACE
MW-2	11/03/94	40.56	19.36	21.20	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	4.2	PACE
MW-2	03/01/95	40.56	16.83	23.73	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	2.2	ATI
MW-2	06/06/95	40.56	16.96	23.60	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	09/01/95	40.56	17.54	23.02	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	---	---	7.9	ATI
MW-2	11/29/95	40.56	18.19	22.37	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	03/23/96	40.56	16.35	24.21	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	8.5	SPL
MW-2	09/05/96	40.56	17.55	23.01	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	---	3.2	SPL
MW-2	03/11/97	40.56	16.95	23.61	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	---	2.9	SPL
MW-2	12/08/97	40.56	16.01	24.55	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	---	3.0	SPL
MW-2	07/08/98	40.56	16.41	24.15	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	12/07/98	40.56	17.15	23.41	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	01/19/99	40.56	17.15	23.41	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	04/23/99	40.56	16.89	23.67	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	07/20/99	40.56	17.25	23.31	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	12/30/99	40.56	17.44	23.12	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	02/29/00	40.56	16.13	24.43	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	04/14/00	40.56	16.88	23.68	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	07/24/00	40.56	17.11	23.45	---	---	---	---	---	---	---	---	---	---	---	---

Table 1 - Summary of Results of Groundwater Sampling

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (b) (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	1,1,1-TCA (ug/l)	PCE (ug/l)	DO (ppm)	LAB
MW-3	11/04/92	40.45	20.23	20.22	760	---	3.7	15	1.9	57	---	---	---	---	---	PACE
MW-3	02/24/94	40.45	20.24	20.21	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	PACE
MW-3	05/12/94	40.45	17.61	22.84	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	7.3	PACE
MW-3	09/09/94	40.45	21.22	19.23	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	2	PACE
MW-3	11/03/94	40.45	19.48	20.97	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	3.6	PACE
MW-3	03/01/95	40.45	17.08	23.37	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	1.9	ATI
MW-3	06/06/95	40.45	17.21	23.24	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	09/01/95	40.45	17.69	22.76	200	---	2.7	33	7.2	43	ND<5.0	---	---	---	7.8	ATI
MW-3	09/01/95	40.45	18.29	22.16	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	03/23/96	40.45	16.59	23.86	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	7.3	SPL
MW-3	09/05/96	40.45	17.71	22.74	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	---	3.2	SPL
MW-3	03/11/97	40.45	17.17	23.28	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	---	1.5	SPL
MW-3	12/08/97	40.45	16.12	24.33	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	---	1.9	SPL
MW-3	07/08/98	40.45	16.40	24.05	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/07/98	40.45	17.32	23.13	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	01/19/99	40.45	17.30	23.15	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	04/23/99	40.45	17.07	23.38	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	07/20/99	40.45	17.47	22.98	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/30/99	40.45	17.60	22.85	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	02/29/00	40.45	16.43	24.02	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	04/14/00	40.45	17.09	23.36	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	07/24/00	40.45	17.44	23.01	---	---	---	---	---	---	---	---	---	---	---	---

Table 1 - Summary of Results of Groundwater Sampling

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	1,1,1-TCA (ug/l)	PCE (ug/l)	DO (ppm)	LAB
MW-4	11/04/92	39.24	19.18	20.06	900	---	150	4.1	0.8	53	---	---	---	---	---	PACE
MW-4	02/24/94	39.24	19.22	20.02	240	---	110	3.8	1.8	11	1400 (d)	---	---	---	---	PACE
QC-1 (c)	02/24/94	---	---	---	310	---	95	5.3	2.2	17	1500 (d)	---	---	---	---	PACE
MW-4	05/12/94	39.24	16.62	22.62	ND<50	---	2.2	1.0	ND<0.5	ND<0.5	860 (d)	---	---	---	7.3	PACE
QC-1 (c)	05/12/94	---	---	---	430	---	2.6	1.3	ND<0.5	ND<0.5	780 (d)	---	---	---	---	PACE
MW-4	09/09/94	39.24	20.27	18.97	240	---	9.1	1.3	0.6	2.5	---	---	---	---	2.2	PACE
QC-1 (c)	09/09/94	---	---	---	57	---	1.7	ND<0.5	ND<0.5	0.5	---	---	---	---	---	PACE
MW-4	11/03/94	39.24	18.46	20.78	250	---	3.1	2.8	1.0	3.3	---	---	---	---	3.2	PACE
QC-1 (c)	11/03/94	---	---	---	110	---	2.4	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	PACE
MW-4	03/01/95	39.24	16.15	23.09	8900	---	1800	26	450	400	---	---	---	---	2.0	ATI
QC-1 (c)	03/01/95	---	---	---	7600	---	1700	25	410	370	---	---	---	---	---	ATI
MW-4	06/06/95	39.24	16.28	22.96	3100	---	(e) 530	25	170	85	---	---	---	---	---	ATI
QC-1 (c)	06/06/95	---	---	---	3000	---	530	27	170	92	---	---	---	---	---	ATI
MW-4 (f)	09/01/95	39.24	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	11/29/95	39.24	17.31	21.93	ND<50	---	1.8	ND<0.50	ND<0.50	ND<1.0	440	---	---	---	3.2	ATI
QC-1 (c)	11/29/95	---	---	---	ND<50	---	1.5	ND<0.50	ND<0.50	ND<1.0	490	---	---	---	---	ATI
MW-4	03/23/96	39.24	15.74	23.50	2700	---	480	ND<25	180	176	13000	---	---	---	7.8	SPL
MW-4	09/05/96	39.24	16.75	22.49	1100	---	ND<12	ND<25	ND<25	ND<25	3200	---	---	---	4.0	SPL
MW-4	03/11/97	39.24	16.10	23.14	2400	---	46	ND<10	66	106	3400	---	---	---	4.0	SPL
MW-4	12/08/97	39.24	15.96	23.28	590	---	11	ND<1.0	ND<1.0	ND<1.0	1200	---	---	---	4.4	SPL
QC-1 (c)	12/08/97	---	---	---	620	---	11	ND<1.0	ND<1.0	ND<1.0	1100	---	---	---	---	SPL
MW-4	07/08/98	39.24	16.28	22.96	1700	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	1200	---	---	---	3.9	SPL
QC-1 (c)	07/08/98	---	---	---	1600	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	1100	---	---	---	---	SPL
MW-4	12/07/98	39.24	16.47	22.77	530	---	ND<2.5	ND<5.0	ND<5.0	ND<5.0	680/910 (h)	---	---	---	---	SPL
MW-4	01/19/99	39.24	16.40	22.84	570	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	660	---	---	---	---	SPL
MW-4	04/23/99	39.24	16.17	23.07	ND<50	---	ND<1.0	ND<1.0	1.8	1.3	1100/810 (h)	---	---	---	---	SPL
MW-4	07/20/99	39.24	16.39	22.85	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	480	---	---	---	---	PACE
MW-4	12/30/99	39.24	16.56	22.68	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	410	---	---	---	---	PACE
MW-4	02/29/00	39.24	15.69	23.55	78 (i)	---	2.0	ND<0.5	0.77	2.8	1200	---	---	---	---	PACE
MW-4	04/14/00	39.24	16.21	23.03	300	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	800	---	---	---	---	PACE
MW-4	07/24/00	39.24	16.50	22.74	130	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	270	---	---	---	---	PACE

Table 1 - Summary of Results of Groundwater Sampling

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	1,1,1-TCA (ug/l)	PCE (ug/l)	DO (ppm)	LAB
MW-5	06/06/95	39.07	16.16	22.91	1100	---	(e) 42	ND<2.5	15	4.0	---	---	---	---	---	ATI
MW-5	09/01/95	39.07	16.63	22.44	1600	---	55	ND<2.5	15	8.0	1200	---	---	---	7.4	ATI
QC-1 (c)	09/01/95	---	---	---	1200	---	64	ND<2.5	14	3.1	---	---	---	---	---	ATI
MW-5	11/29/95	39.07	17.19	21.88	2300	---	140	4.0	36	11	1500	---	---	---	4.1	ATI
MW-5	03/23/96	39.07	15.54	23.53	90	---	2.8	ND<1	ND<1	ND<1	1500	---	---	---	7.5	SPL
MW-5	09/05/96	39.07	16.72	22.35	2300	---	5.1	ND<1.0	ND<1.0	ND<1.0	3300	---	---	---	3.2	SPL
QC-1 (c)	09/05/96	---	---	---	2000	---	4.9	ND<1.0	ND<1.0	ND<1.0	2900	---	---	---	---	SPL
MW-5	03/11/97	39.07	16.12	22.95	470	---	ND<5.0	ND<5.0	ND<5.0	ND<5.0	580	---	---	---	3.0	SPL
QC-1 (c)	03/11/97	---	---	---	460	---	ND<5.0	ND<5.0	ND<5.0	ND<5.0	540	---	---	---	---	SPL
MW-5	12/08/97	39.07	15.85	23.22	370	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	840	---	---	---	3.0	SPL
MW-5	07/08/98	39.07	16.11	22.96	430	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	330	---	---	---	2.5	SPL
MW-5	12/07/98	39.07	16.27	22.80	220	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	290/410 (h)	---	---	---	---	SPL
MW-5	01/19/99	39.07	16.31	22.76	490	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	490/440 (h)	---	---	---	---	SPL
MW-5	04/23/99	39.07	16.00	23.07	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	310/210 (h)	---	---	---	---	SPL
MW-5	07/20/99	39.07	16.36	22.71	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	470	---	---	---	---	SPL
MW-5	12/30/99	39.07	16.53	22.54	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	550	---	---	---	---	PACE
MW-5	02/29/00	39.07	15.45	23.62	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	280	---	---	---	---	PACE
MW-5	04/14/00	39.07	16.10	22.97	81	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	240	---	---	---	---	PACE
MW-5	07/24/00	39.07	16.50	22.57	250	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	570	---	---	---	---	PACE
MW-6	03/01/95	38.46	15.66	22.80	270	---	11	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	1.6	ATI
MW-6	06/06/95	38.46	15.82	22.64	220	---	(e) 2.3	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	---	ATI
MW-6	09/01/95	38.46	16.25	22.21	780	---	ND<2.5	ND<2.5	ND<2.5	ND<5.0	2800	---	---	---	7.5	ATI
MW-6	11/29/95	38.46	16.80	21.66	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1100	---	---	---	3.9	ATI
MW-6	03/23/96	38.46	15.27	23.19	50	---	ND<0.5	ND<1	ND<1	ND<1	910	---	---	---	8.0	SPL
MW-6	09/05/96	38.46	16.30	22.16	4400	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	7400	---	---	---	3.0	SPL
MW-6	03/11/97	38.46	15.75	22.71	1100	---	ND<5.0	ND<5.0	ND<5.0	ND<5.0	2000	---	---	---	3.1	SPL
MW-6	12/08/97	38.46	15.51	22.95	150	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	140	---	---	---	3.4	SPL
MW-6	07/08/98	38.46	15.78	22.68	370	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	250	---	---	---	3.6	SPL
MW-6	12/07/98	38.46	15.95	22.51	440	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	630/820 (h)	---	---	---	---	---
MW-6	01/19/99	38.46	15.97	22.49	950	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	950/810 (h)	---	---	---	---	SPL
MW-6	04/23/99	38.46	15.74	22.72	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	310/220 (h)	---	---	---	---	SPL
MW-6	07/20/99	38.46	16.12	22.34	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1300	---	---	---	---	SPL
MW-6	12/30/99	38.46	16.16	22.30	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	360	---	---	---	---	PACE
MW-6	02/29/00	38.46	15.08	23.38	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	340	---	---	---	---	PACE
MW-6	04/14/00	38.46	15.82	22.64	90	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	220	---	---	---	---	PACE
MW-6	07/24/00	38.46	16.03	22.43	240	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	540	---	---	---	---	PACE

Table 1 - Summary of Results of Groundwater Sampling

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	1,1,1-TCA (ug/l)	PCE (ug/l)	DO (ppm)	LAB
MW-7	03/01/95	39.50	16.21	23.29	1400	---	14	ND<1.0	14	27	---	---	---	---	1.8	ATI
MW-7	06/06/95	39.50	16.34	23.16	540	---	(e) 5.5	ND<0.50	15	1.1	---	---	---	---	---	ATI
MW-7	09/01/95	39.50	16.74	22.76	190	---	2.8	ND<0.50	5.0	ND<1.0	10	---	---	---	7.5	ATI
MW-7	11/29/95	39.50	17.33	22.17	230	---	31	ND<0.50	3.8	1.9	ND<5.0	---	---	---	4.6	ATI
MW-7	03/23/96	39.50	15.86	23.64	ND<50	---	5.0	ND<1	ND<1	ND<1	330	---	---	---	7.2	SPL
QC-1 (c)	03/23/96	---	---	---	60	---	7.6	ND<1	ND<1	ND<1	360	---	---	---	---	SPL
MW-7	09/05/96	39.50	16.80	22.70	200	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	430	---	---	---	3.1	SPL
MW-7	03/11/97	39.50	18.32	21.18	120	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	140	---	---	---	4.7	SPL
MW-7	12/08/97	39.50	16.02	23.48	240	---	0.8	ND<1.0	ND<1.0	ND<1.0	200	---	---	---	5.2	SPL
MW-7	07/08/98	39.50	16.32	23.18	270	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	170	---	---	---	4.8	SPL
MW-7	12/07/98	39.50	16.43	23.07	100	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	120	---	---	---	---	SPL
MW-7	01/19/99	39.50	16.41	23.09	80	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	80	---	---	---	---	SPL
MW-7	04/23/99	39.50	16.21	23.29	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20	---	---	---	---	SPL
MW-7	07/20/99	39.50	16.54	22.96	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	24	---	---	---	---	SPL
MW-7	12/30/99	39.50	16.65	22.85	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12	---	---	---	---	PACE
MW-7	02/29/00	39.50	15.71	23.79	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.0	---	---	---	---	PACE
MW-7	04/14/00	39.50	16.25	23.25	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.0	---	---	---	---	PACE
MW-7	07/24/00	39.50	16.63	22.87	ND<50	---	1.1	0.5	ND<0.5	ND<0.5	3.1	---	---	---	---	PACE
QC-2 (g)	11/04/92	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	PACE
QC-2 (g)	11/04/92	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	PACE
QC-2 (g)	03/01/95	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	---	---	---	---	---	PACE
QC-2 (g)	05/12/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	PACE
QC-2 (g)	09/09/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	PACE
QC-2 (g)	11/03/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	PACE
QC-2 (g)	06/06/95	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	---	ATI
QC-2 (g)	09/01/95	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	---	---	---	ATI
QC-2 (g)	11/29/95	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	---	---	---	ATI
QC-2 (g)	03/23/96	---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	---	SPL

Table 1 - Summary of Results of Groundwater Sampling

ADDITIONAL ANALYSES

WELL ID	DATE OF SAMPLING/ MONITORING	1,2-DCA by 8010 (ug/l)	EDB by 8010 (ug/l)	1,2-DCA by 8260 (ug/l)	EDB by 8260 (ug/l)	MTBE by 8260 (ug/l)	DIPE by 8260 (ug/l)	ETBE by 8260 (ug/l)	TBA by 8260 (ug/l)	TAME by 8260 (ug/l)
MW-4	07/20/99	ND<1.0	ND<1.0	ND<1.0	ND<1.0	590	ND<10	ND<5.0	ND<500	ND<5.0
MW-4	12/30/99	---	---	ND<5.0	ND<5.0	280	ND<5.0	ND<5.0	---	ND<5.0
MW-4	02/29/00	---	---	ND<20	ND<20	870	ND<20	ND<20	---	ND<20
MW-4	04/14/00	---	---	ND<10	ND<10	730	ND<10	ND<10	---	ND<10
MW-4	07/24/00	---	---	ND<1.0	ND<1.0	390	ND<5.0	ND<5.0	ND<50	ND<5.0
MW-5	07/20/99	---	---	---	---	490	ND<10	ND<10	ND<500	ND<10
MW-5	12/30/99	---	---	---	---	470	ND<10	ND<10	---	ND<10
MW-5	02/29/00	---	---	ND<5.0	ND<5.0	190	ND<5.0	ND<5.0	---	ND<5.0
MW-5	04/14/00	---	---	---	---	200	ND<5.0	ND<5.0	---	ND<5.0
MW-5	07/24/00	---	---	---	---	630	ND<5.0	ND<5.0	ND<50	ND<5.0
MW-6	07/20/99	---	---	---	---	1400	ND<10	ND<10	ND<500	ND<10
MW-6	12/30/99	---	---	---	---	300	ND<5.0	ND<5.0	---	ND<5.0
MW-6	02/29/00	---	---	ND<5.0	ND<5.0	240	ND<5.0	ND<5.0	---	ND<5.0
MW-6	04/14/00	---	---	---	---	200	ND<5.0	ND<5.0	---	ND<5.0
MW-6	07/24/00	---	---	---	---	600	ND<5.0	ND<5.0	62	ND<5.0

Table 1 - Summary of Results of Groundwater Sampling

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
TPH-D	Total petroleum hydrocarbons as diesel
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
TOG	Total oil and grease
1,1,1-TCA	1,1,1-Trichloroethane
PCE	Tetrachloroethene
1,2-DCA	1,2-Dichloroethane
EDB	1,2-Dibromoethane
DIPE	Di-isopropyl Ether
ETBE	tert-Butyl Ethyl Ether
TBA	t-Butyl Alcohol
TAME	tert-Amyl Methyl Ether
DO	Dissolved oxygen
ug/l	Micrograms per liter
ppm	Parts per million
ND	Not detected above reported detection limit
---	Not measured/analyzed/applicable
PACE	Pace, Inc.
ATI	Analytical Technologies, Inc.
SPL	Southern Petroleum Laboratories

NOTES:

- (a) Top of casing elevations surveyed relative to an established benchmark with an elevation of 39.95 feet above mean sea level.
- (b) Groundwater elevations in feet above mean sea level.
- (c) Blind duplicate.
- (d) A copy of the documentation for this data is included in Appendix C of Alisto report 10-060-07-001.
- (e) MTBE peak present. See documentation in Appendix C of Alisto report 10-060-07-001.
- (f) Well inaccessible.
- (g) Travel blank.
- (h) MTBE by 8020/8260
- (i) Gasoline does not include MTBE.

Analytical Appendix



Pace Analytical Services, Inc.

3970 Gilman Street
Long Beach, CA 90815

Phone: 562.498.9515

Fax: 562.597.0786

August 10, 2000

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

RE: Pace Project Number: 6043428
Client Project ID: BP 11107

Dear Mr. HARGRAVE:

Enclosed are the analytical results for sample(s) received by the laboratory on July 25, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lily Bayati
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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



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

DATE: 08/10/00
 PAGE: 1

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

Pace Project Number: 6043428
 Client Project ID: BP 11107

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

Solid results are reported on a wet weight basis

Pace Sample No:	603690702	Date Collected:	07/22/00	Matrix:	Water
Client Sample ID:	A	Date Received:	07/25/00		

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

Long Beach Laboratory

GAS BTEX by 8015, Water		Method: EPA 8015/8020 Modif			Prep Method: EPA 8015/8020 Modif		
Gasoline	ND	ug/l	50	08/09/00	WK		
Benzene	1.1	ug/l	0.5	08/09/00	WK	71-43-2	
Toluene	0.50	ug/l	0.5	08/09/00	WK	108-88-3	
Ethylbenzene	ND	ug/l	0.5	08/09/00	WK	100-41-4	
Methyl-tert-butyl Ether	3.1	ug/l	0.5	08/09/00	WK	1634-04-4	
Xylene (Total)	ND	ug/l	0.5	08/09/00	WK	1330-20-7	
a,a,a-Trifluorotoluene (S)	94	%		08/09/00	WK	2164-17-2	

REPORT OF LABORATORY ANALYSIS

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



Pace Analytical Services, Inc.

3970 Gilman Street
Long Beach, CA 90815

Phone: 562.498.9515

Fax: 562.597.0786

DATE: 08/10/00

PAGE: 2

Pace Project Number: 6043428

Client Project ID: BP 11107

Pace Sample No:	603690710	Date Collected:	07/22/00	Matrix:	Water
Client Sample ID:	B	Date Received:	07/25/00		

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

Long Beach Laboratory

GAS BTEX by 8015, Water		Method: EPA 8015/8020 Modif		Prep Method: EPA 8015/8020 Modif	
Gasoline	250	ug/l	50	08/09/00	WK
Benzene	ND	ug/l	0.5	08/09/00	WK 71-43-2
Toluene	ND	ug/l	0.5	08/09/00	WK 108-88-3
Ethylbenzene	ND	ug/l	0.5	08/09/00	WK 100-41-4
Methyl-tert-butyl Ether	570	ug/l	7.5	08/09/00	WK 1634-04-4
Xylene (Total)	ND	ug/l	0.5	08/09/00	WK 1330-20-7
a,a,a-Trifluorotoluene (S)	92	%		08/09/00	WK 2164-17-2

REPORT OF LABORATORY ANALYSIS

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



Pace Analytical Services, Inc.

3970 Gilman Street
Long Beach, CA 90815

Phone: 562.498.9515

Fax: 562.597.0786

DATE: 08/10/00

PAGE: 3

Pace Project Number: 6043428

Client Project ID: BP 11107

Pace Sample No: 603690744
Client Sample ID: C

Date Collected: 07/22/00
Date Received: 07/25/00

Matrix: Water

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

Long Beach Laboratory

GAS BTEX by 8015, Water	Method: EPA 8015/8020 Modif	Prep Method: EPA 8015/8020 Modif
Gasoline	240 ug/l 50	08/09/00 WK
Benzene	ND ug/l 0.5	08/09/00 WK 71-43-2
Toluene	ND ug/l 0.5	08/09/00 WK 108-88-3
Ethylbenzene	ND ug/l 0.5	08/09/00 WK 100-41-4
Methyl-tert-butyl Ether	540 ug/l 7.5	08/09/00 WK 1634-04-4
Xylene (Total)	ND ug/l 0.5	08/09/00 WK 1330-20-7
a,a,a-Trifluorotoluene (S)	88 %	08/09/00 WK 2164-17-2

REPORT OF LABORATORY ANALYSIS

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



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

DATE: 08/10/00
PAGE: 4

Pace Project Number: 6043428
Client Project ID: BP 11107

Pace Sample No: 603690751 Date Collected: 07/22/00 Matrix: Water
Client Sample ID: D Date Received: 07/25/00

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

Long Beach Laboratory

GAS BTEX by 8015, Water		Method: EPA 8015/8020 Modif		Prep Method: EPA 8015/8020 Modif			
Gasoline	130	ug/l	50	08/09/00	WK		
Benzene	ND	ug/l	0.5	08/09/00	WK	71-43-2	
Toluene	ND	ug/l	0.5	08/09/00	WK	108-88-3	
Ethylbenzene	ND	ug/l	0.5	08/09/00	WK	100-41-4	
Methyl-tert-butyl Ether	270	ug/l	7.5	08/09/00	WK	1634-04-4	
Xylene (Total)	ND	ug/l	0.5	08/09/00	WK	1330-20-7	
a,a,a-Trifluorotoluene (S)	99	%		08/09/00	WK	2164-17-2	

REPORT OF LABORATORY ANALYSIS

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



Pace Analytical Services, Inc.

3970 Gilman Street
Long Beach, CA 90815

Phone: 562.498.9515

Fax: 562.597.0786

DATE: 08/10/00

PAGE: 5

Pace Project Number: 6043428

Client Project ID: BP 11107

PARAMETER FOOTNOTES

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

REPORT OF LABORATORY ANALYSIS

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



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

QUALITY CONTROL DATA

DATE: 08/10/00
 PAGE: 6

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

Pace Project Number: 6043428
 Client Project ID: BP 11107

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

QC Batch ID: 88527 QC Batch Method: EPA 8015/8020 Modif
 Analysis Method: EPA 8015/8020 Modif Analysis Description: GAS BTEX by 8015, Water
 Associated Pace Samples: 603690702 603690710 603690744 603690751

METHOD BLANK: 603723776
 Associated Pace Samples:

Parameter	Units	603690702	603690710	603690744	603690751
		Method Blank			
		Result	PRL	Footnotes	
Gasoline	ug/l	ND	12		
Benzene	ug/l	ND	0.05		
Toluene	ug/l	ND	0.05		
Ethylbenzene	ug/l	ND	0.05		
Methyl-tert-butyl Ether	ug/l	ND	0.05		
Xylene (Total)	ug/l	ND	0.05		
a.a.a-Trifluorotoluene (S)	%	98			

LABORATORY CONTROL SAMPLE & LCSD: 603723784 603723792

Parameter	Units	Spike		LCSD		Spike		Footnotes
		Conc.	Result	% Rec	Result	% Rec	RPD	
Gasoline	ug/l	40	42.10	105	42.90	107	2	
Benzene	ug/l	6.667	6.210	93.2	6.310	94.7	2	
Toluene	ug/l	6.667	5.950	89.3	6.030	90.5	1	
Ethylbenzene	ug/l	6.667	5.990	89.9	6.040	90.6	1	
Methyl-tert-butyl Ether	ug/l	6.667	6.440	96.6	6.670	100	3	
Xylene (Total)	ug/l	20	17.90	89.5	18.00	90.0	1	
a.a.a-Trifluorotoluene (S)				99		102		

REPORT OF LABORATORY ANALYSIS

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



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

DATE: 08/10/00
PAGE: 7

Pace Project Number: 6043428
Client Project ID: BP 11107

QUALITY CONTROL DATA PARAMETER FOOTNOTES

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

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

REPORT OF LABORATORY ANALYSIS

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



Centrum Analytical Laboratories, Inc.

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

Client: Pace Analytical
3970 E. Gilman Street
Long Beach, CA 90815

Date Sampled: 07/24/00
Date Received: 07/27/00
Job Number: 16817

Project: BP - 11107

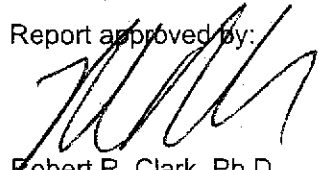
CASE NARRATIVE

The following information applies to samples which were received on 07/27/00 :

The samples were received at the laboratory chilled and sample containers were intact.

Unless otherwise noted below, the Quality Control acceptance criteria were met for all samples for every analysis requested.

Report approved by:



Robert R. Clark, Ph.D.
Laboratory Director

ELAP # 2419

DL : Detection Limit – The lowest level at which the compound can reliably be detected under normal laboratory conditions.
ND : Not Detected – The compound was analyzed for but was not found to be present at or above the detection limit.
NA : Not Analyzed -- Per client request, this analyte was not on the list of compounds to be analyzed for.

EPA 8260 - Volatile Organics with Oxygenates

Client: Pace Analytical
 Project: BP - 11107
 Job No.: 16817
 Matrix: Water
 Analyst: JMR

Date Sampled: 07/24/00
 Date Received: 07/27/00
 Date Analyzed: 07/31-08/02/00
 Batch Number: MS48260W2195

	Sample ID:	Blank	B	C
Compounds	DL	µg/L	µg/L	µg/L
tert-Amyl Methyl Ether (TAME)	5.0	ND	ND	ND
tert-Butanol (TBA)	50	ND	ND	62
Diisopropyl Ether (DIPE)	5.0	ND	ND	ND
Ethyl tert-Butyl Ether (EtBE)	5.0	ND	ND	ND
Methyl-tert-butyl ether (MtBE)	1.0	ND	630	600

Surrogates (% recovery) Limits: 80 - 130

	Sample ID:	Blank	B	C
Dibromofluoromethane		102	114	103
Toluene-d8		101	108	104
Bromofluorobenzene		100	107	101

EPA 8260 - Volatile Organics with Oxygenates

Client: Pace Analytical
 Project: BP - 11107
 Job No.: 16817
 Matrix: Water
 Analyst: JMR

Date Sampled: 07/24/00
 Date Received: 07/27/00
 Date Analyzed: 07/31-08/02/00
 Batch Number: MS48260W2195

Compounds	DL	µg/L
tert-Amyl Methyl Ether (TAME)	5.0	ND
tert-Butanol (TBA)	50	ND
Diisopropyl Ether (DIPE)	5.0	ND
Ethyl tert-Butyl Ether (EtBE)	5.0	ND
Methyl-tert-butyl ether (MtBE)	1.0	390
1,2-Dichloroethane	1.0	ND
Dibromomethane	1.0	ND

Surrogates (% recovery) Limits: 80 - 130

Sample ID:	D
Dibromofluoromethane	100
Toluene-d8	102
Bromofluorobenzene	99

QC Sample Report - EPA Method 8260

Matrix: Water
Batch #: MS48260W2195

Batch Accuracy Results

Sample ID: Laboratory Control Sample

Analyte	Spike Concentration µg/L	% Recovery LCS	Acceptance Limits % Recovery	Pass/Fail
1,1-Dichloroethene	20	98	59 - 172	Pass
Benzene	20	114	66 - 142	Pass
Trichloroethene	20	114	71 - 137	Pass
Toluene	20	111	59 - 139	Pass
Chlorobenzene	20	104	60 - 133	Pass

Analytical Notes:

Batch Precision Results

MS/MSD Sample ID: Laboratory Control Sample

Analyte	Spike Sample Recovery µg/L	Spike Duplicate Recovery µg/L	Relative Percent Difference (RPD)	Upper Control Limit RPD	Pass/Fail
1,1-Dichloroethene	19.67	21.31	8%	22%	Pass
Benzene	22.87	21.13	8%	21%	Pass
Trichloroethene	22.86	21.84	5%	24%	Pass
Toluene	22.32	21.00	6%	21%	Pass
Chlorobenzene	20.76	20.30	2%	21%	Pass

Analytical Notes:

MS: Matrix Spike Sample
MSD: Matrix Spike Duplicate

BP**CHAIN OF CUSTODY**

16793A

6 043428

Page 7 of 1

CONSULTANT'S NAME Blaine Tech Services, Inc.		CONSULTANT'S ADDRESS 1680 Rogers Ave., San Jose CA 95112	
BP SITE NUMBER 11107	BP SITE / FACILITY ADDRESS 18501 Hesperian, San Lorenzo		CONSULTANT PROJECT NUMBER
CONSULTANT PROJECT MANAGER Morgan Hargrave	PHONE NUMBER (408) 573-0555 x 218	FAX NUMBER (408) 573-7771	CONSULTANT CONTRACT NUMBER J264067
BP CONTACT Scott Hooton	BP ADDRESS 295 SW 41st Street, Suite N, Renton WA	PHONE NUMBER (425) 251-0689	FAX NO. (425) 251-0736
LAB CONTACT Pace - Lily Bayati	LABORATORY ADDRESS 3970 Gilman Street, Long Beach, CA	PHONE NUMBER (562) 498-9515	FAX NO. (562) 597-0786
BP CONTACT REQUESTING RUSH TAT (Print BP Contact Name)	RUSH REQUESTED OF (Print Consultant Contact Name)	DATE/TIME	SHIPMENT DATE

TAT: 24 HOURS 48 HOURS 72 HOURS Standard 7 or 14 Days
ANALYSIS REQUIRED
SHIPMENT METHOD
Airborne
AIRBILL NUMBER
5301 432651

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS		PRESERVATIVE	TPH-G + BTX / MTBE (8015M)	TPH-D (8015M)	FUEL OXYGENATES (8260)	1,2 DCA + EDB (8010)								COMMENTS	
				NO.	TYPE (VOL)	LAB SAMPLE #													
A	7-24	1150	L	3	40		X		X										
B	↓	1205	↓	6	ml		X		X										<i>Cancel 80</i>
C	↓	1224	↓	6	vol		X		X										<i>Cancel 80</i>
D	↓	1240	↓	9			X		X	X									

SAMPLER BY (Please Print Name) <i>Patrick Flaherty</i>			SAMPLER BY (Signature) <i>Patrick Flaherty</i>			ADDITIONAL COMMENTS <i>3.8'</i>		
RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY / AFFILIATION Name / Signature	(Print)	DATE	TIME		
<i>Patrick Flaherty Patrick</i>			<i>[Signature]</i>		<i>7/26</i>	<i>09:30</i>		

Field Data Sheets

WELL GAUGING DATA

Project # 000724-J3 Date 7-24-00 Client BP

Site 18501 Hesperian Blvd. San Lorenzo

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	C/O
nw-1						17.61	30.66	TOC	1
nw-2						17.11	24.70		2
nw-3						17.44	25.09		3
9 nw-4	2	D				16.50	25.11		7
9 nw-5	2	B				16.50	22.37		5
9 nw-6	2	C				16.03	21.87		6
nw-7	2	A				16.63	24.25		4

BP WELL MONITORING DATA SHEET

Project #: <u>000724-13</u>	Station # <u>11109</u>
Sampler: <u>PF.</u>	Date: <u>7-24-00</u>
Well I.D.: <u>nw-4</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>25.11</u>	Depth to Water: <u>16.50</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: <u>Bailer</u> <u>Disposable Bailer</u> Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> <u>Disposable Bailer</u> Extraction Port Other: _____
--	---

<u>1.3</u>	X	<u>3</u>	=	<u>3.9</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>1230</u>	<u>71.3</u>	<u>8.6</u>	<u>950</u>	<u>1.5</u>	
<u>1233</u>	<u>71.1</u>	<u>8.9</u>	<u>910</u>	<u>3.0</u>	
<u>1236</u>	<u>71.0</u>	<u>8.9</u>	<u>870</u>	<u>4.0</u>	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>4.0</u>
Sampling Time: <u>1240</u>	Sampling Date: <u>7-24-00</u>
Sample I.D. (Blind): <u>D</u>	Laboratory: <u>Pace</u> Other: _____
Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MIBB</u> <u>TPH-D</u> Other: <u>112 DCS, GMS by 6010 other organics by 8266</u>	
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 #: 000724-13	Station # 11105
Sampler: PF.	Date: 7-24-00
Well I.D.: nw-5	Well Diameter: ② 3 4 6 8 _____
Total Well Depth: 22.37	Depth to Water: 1650
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer
Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump

Sampling Method: Bailer
Disposable Bailer
 Extraction Port

Other: _____

.9	x	3	=	2.7	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1156	72.1	6.6	670	1.0	
1158	73.0	6.8	650	7.0	
1200	72.8	6.8	640	3.0	

Did well dewater? Yes No Gallons actually evacuated: 3.0

Sampling Time: 1205 Sampling Date: 7-24-00

Sample I.D. (Blind): B Laboratory: Pace Other: _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: ether oxygenates by 8760

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 #: 000724-J3	Station # 11109
Sampler: PF.	Date: 7-24-00
Well I.D.: mw-6	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: 21.87	Depth to Water: 16.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

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

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

Sampling Method: Bailer
Disposable Bailer
 Extraction Port
 Other: _____

.9	x	3	=	2.7	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1215	73.2	6.9	840	1	
1217	73.0	7.0	830	2	
1219	72.9	6.4	830	3	

Did well dewater? Yes No Gallons actually evacuated: 3.6

Sampling Time: 1224 Sampling Date: 7-24-00

Sample I.D. (Blind): C Laboratory: Pace Other: _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: other oxygenates by 8260

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 #: 000724-33	Station # 11109
Sampler: PF.	Date: 7-24-00
Well I.D.: nw-7	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: 24.25	Depth to Water: 16.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1142	71.5	6.8	840	1.25	
1144	71.1	6.7	840	2.5	
1146	70.8	6.7	830	3.75	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 3.75
Sampling Time: 1150	Sampling Date: 7-24-00
Sample I.D. (Blind): A	Laboratory: (Pace) Other _____
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other:	
D.O. (if req'd):	Pre-purge: mg/L
O.R.P. (if req'd):	Pre-purge: mV
	Post-purge: mg/L
	Post-purge: mV