bp

Scott T. Hooton
Portfolio Manager

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

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

November 7, 2001

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

NOV 15 2001

Re: Former BP Oil site No. 11105
3159 Castro Valley Boulevard
Castro Valley, CA

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

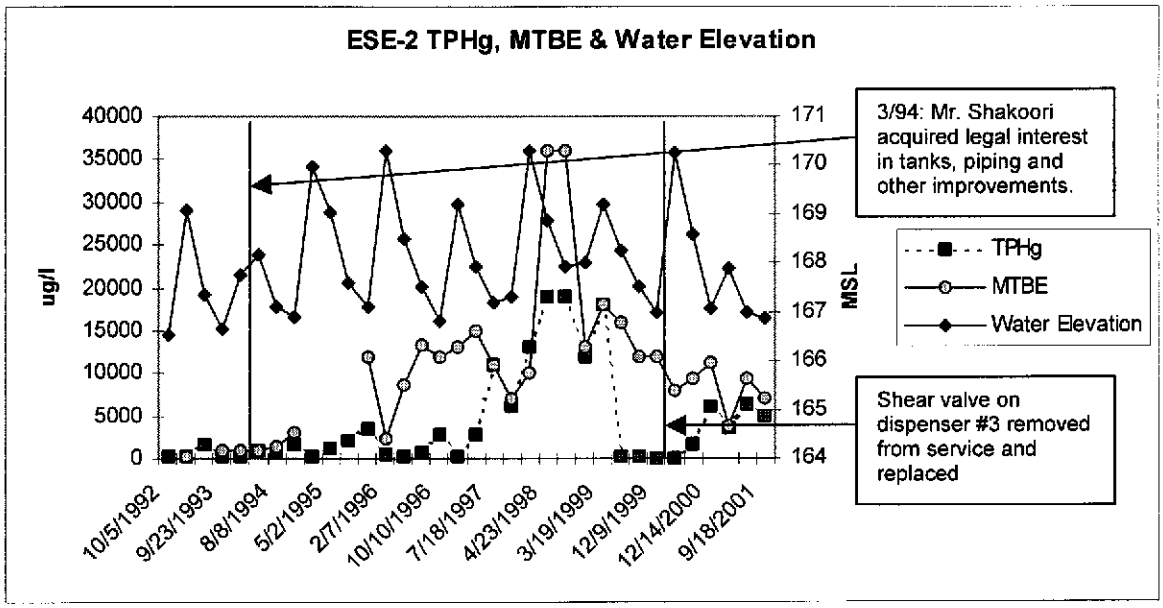
Dear Mr. Seery:

Enclosed find the 23 October 2001 *Third Quarter 2001 Groundwater Monitoring* report prepared by Blaine Tech Services on behalf of BP. The report summarizes monitoring data obtained since 1992, including the results for samples recently obtained on 18 September 2001.

It is noted that petroleum hydrocarbons were reported to be present in the soil and groundwater at this site at the time the property was sold during 1994. After the sale, concentrations of certain gasoline constituents began to increase. This development prompted BP to raise concerns that petroleum releases had occurred subsequent to BP's operation of the facility.

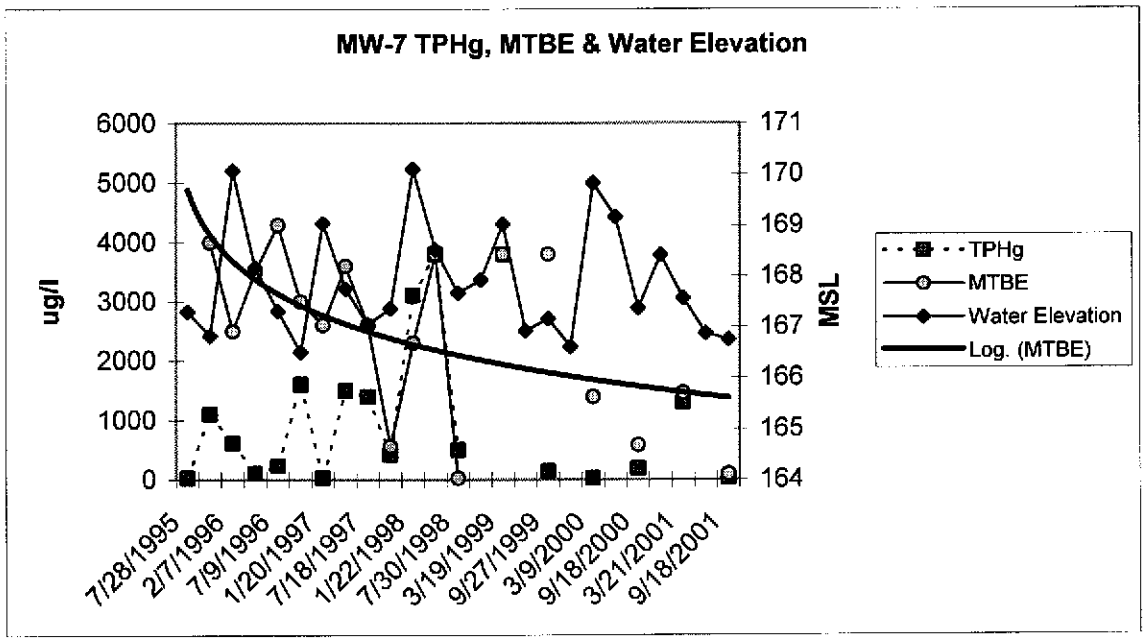
On 2 May 2000, a shear valve associated with Dispenser Number 3 was observed to be leaking during a piping test. The line was taken out of service until the shear valve was replaced. Alameda County Health Care Services Agency representatives reported the release and an Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report was filed

The results associated with groundwater samples collected on 18 September 2001 show that aromatic petroleum hydrocarbons were detected in two of the three wells; the highest benzene concentration is associated with well ESE-1 (57.1 µg/l). MTBE was detected in samples obtained from all of the wells, with the highest concentration associated with well ESE-2. Water elevation data, together with MTBE and TPHg concentration data for well ESE-2 is depicted below.



These data show declining concentrations of MTBE since the highest concentrations were detected during mid-1998.

Well MW-7 is located offsite and monitors groundwater downgradient of the underground storage tanks. Water elevation, TPHg and MTBE concentration data is shown below.



These data also show declining concentrations. Taken together, the concentration data for wells ESE-2 and MW-7 indicate that the source of rising MTBE concentrations detected in mid-1998 has been mitigated.

BP plans to continue groundwater monitoring at this time so that additional concentration data may be obtained to document expected reductions in MTBE concentrations in future.

We are also working with Mr. Shakoori to determine eligibility requirements for the underground storage tank cleanup fund.

Please contact me at (425) 251-0689 if you have any questions or concerns regarding this submittal.

Sincerely,

Scott Hooton

Attachment

cc: site file
A. Fagorala - RWQCB-SFBR
Mr. Azim Shakoori, Castro Valley Chevron, 3519 Castro Valley Boulevard, Castro Valley, CA 94546 (w/attachment)
Mr. Greg Cahill, 3551 "B" Castro Valley Boulevard, Castro Valley, CA 94546 (w/attachment)

BLAINE
TECH SERVICES, INC.

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SAN JOSE, CA 95112-1105
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CONTRACTOR'S LICENSE #746684
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October 23, 2001

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

3rd Quarter 2001 Monitoring at 11105

Third Quarter 2001 Groundwater Monitoring at
BP Service Station Number 11105
3519 Castro Valley Blvd.
Castro Valley, CA

Monitoring Performed on September 18, 2001

Groundwater Sampling Report **010918-T-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.

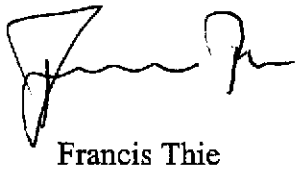
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater elevation calculations taken from the computer plotted gradient map, which is located in the **Professional Engineering Appendix**.

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

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

Please call if you have any questions.

Yours truly,



Francis Thie
Vice President

FPT/mb

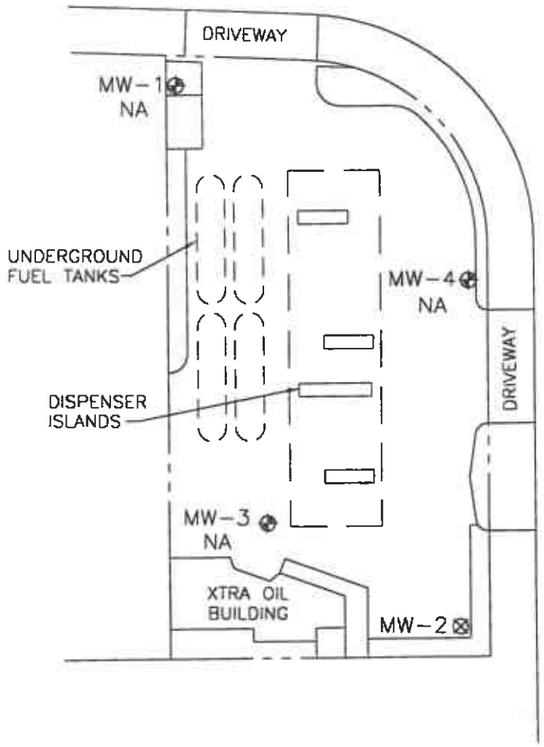
attachments: Professional Engineering Appendix
Cumulative Table of Well Data and Analytical Results
Analytical Appendix
Field Data Sheets

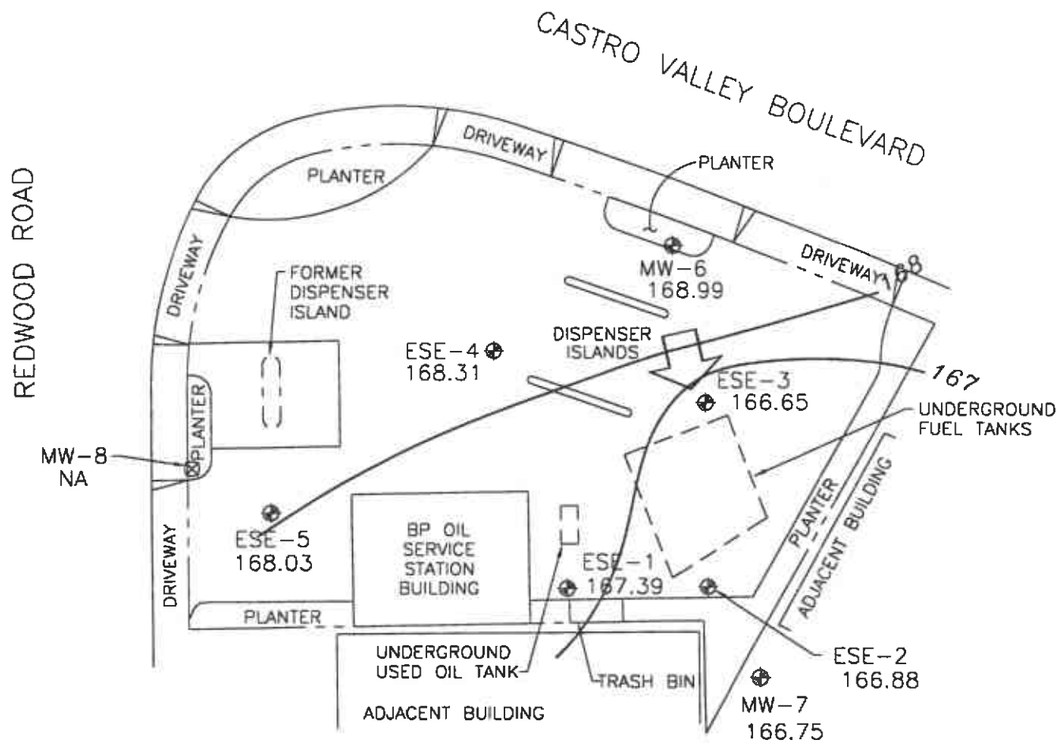
Professional Engineering Appendix

N

SCALE IN FEET

0 40





EXPLANATION

- ⊕ GROUNDWATER MONITORING WELL
- ⊠ DESTROYED WELL
- 166.87 GROUNDWATER ELEVATION (FT, MSL)
- 169 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- NA DATA NOT AVAILABLE
- ⇩ APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.01

Ref. 11105bm1.dwg
Basemap from Alisto Engineering Group

PREPARED BY
RRM
engineering contracting firm

GROUNDWATER ELEVATION CONTOUR MAP, SEPTEMBER 18, 2001

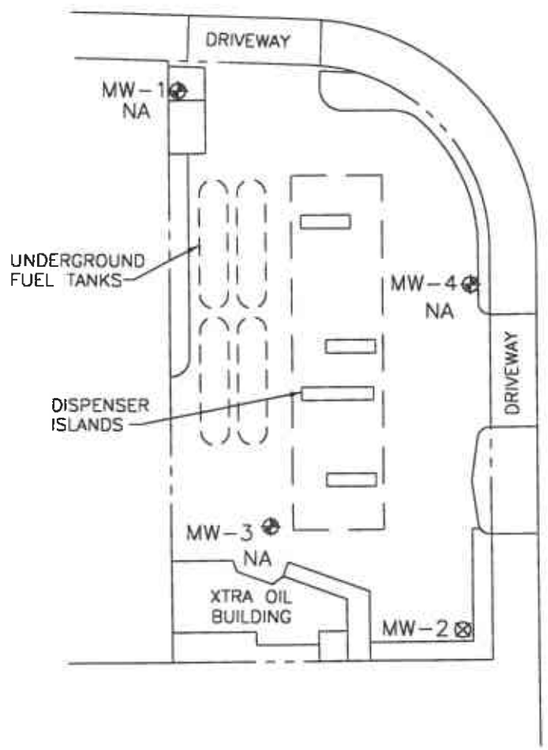
BP Oil Service Station No. 11105
3519 Castro Valley Boulevard
Castro Valley, California

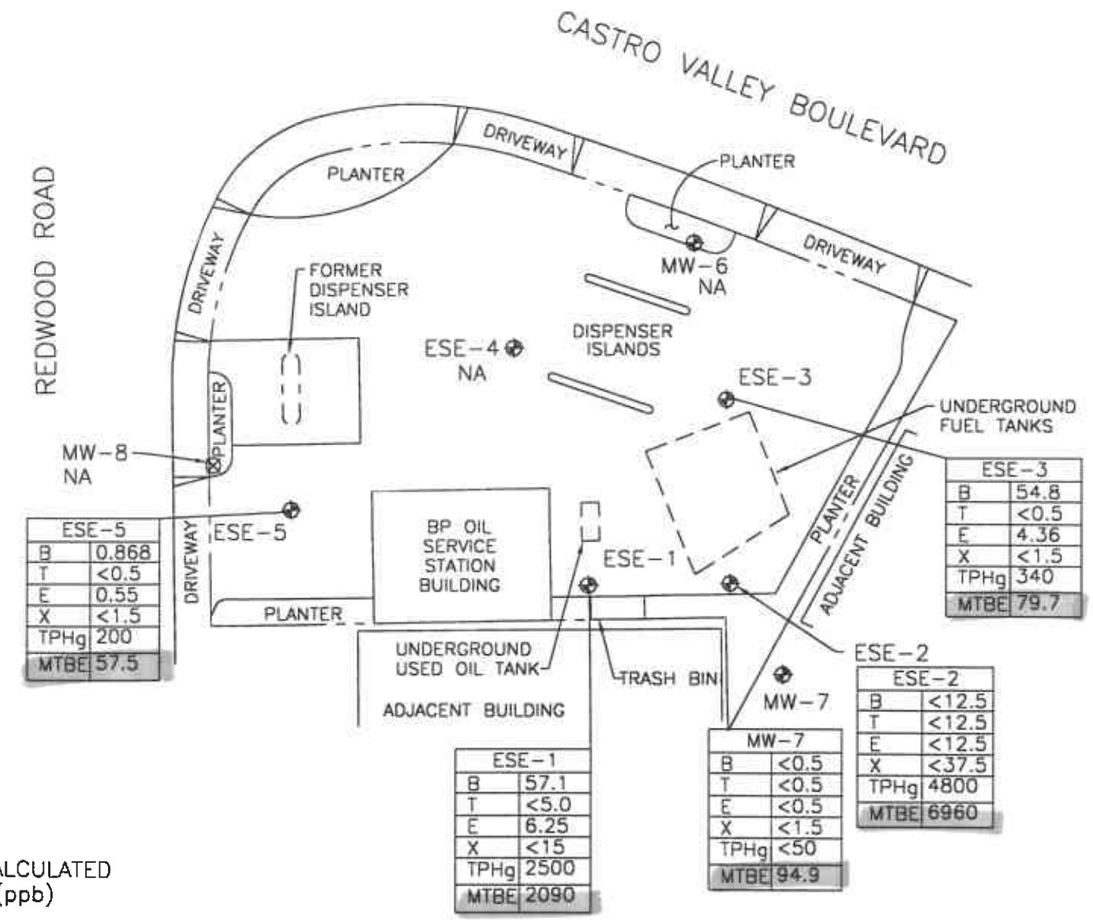
FIGURE: 1
PROJECT: DAC04

N

SCALE IN FEET

0 40





ESE-5	
B	0.868
T	<0.5
E	0.55
X	<1.5
TPHg	200
MTBE	57.5

ESE-3	
B	54.8
T	<0.5
E	4.36
X	<1.5
TPHg	340
MTBE	79.7

ESE-2	
B	<12.5
T	<12.5
E	<12.5
X	<37.5
TPHg	4800
MTBE	6960

MW-7	
B	<0.5
T	<0.5
E	<0.5
X	<1.5
TPHg	<50
MTBE	94.9

ESE-1	
B	57.1
T	<5.0
E	6.25
X	<15
TPHg	2500
MTBE	2090

EXPLANATION

- ⊕ GROUNDWATER MONITORING WELL
- ⊗ DESTROYED 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. 11105btex.cwg
Basemap from Alisto Engineering Group

PREPARED BY

RRM
engineering contracting firm

HYDROCARBON CONCENTRATION MAP, SEPTEMBER 18, 2001

BP Oil Service Station No. 11105
3519 Castro Valley Boulevard
Castro Valley, California

FIGURE: **2**

PROJECT: DAC04

Table of
Well Data and
Analytical Results

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
ESE-1 (c)	10/05/92	177.69	11.22	166.47	2100	370	150	17	110	---	(l)	---	PACE
ESE-1D (d)	10/05/92	---	---	---	2300	370	160	16	110	---	(l)	---	PACE
ESE-1	04/01/93	177.69	8.79	168.90	5900	1500	410	110	390	---	(l)	---	PACE
ESE-1	06/29/93	177.69	10.34	167.35	7600	2900	390	130	460	---	(l)	---	PACE
ESE-1	09/23/93	177.69	10.91	166.78	2000	490	40	20	56	600	(e)(l)	---	PACE
QC-1 (d)	09/23/93	---	---	---	1500	420	39	19	56	550	(e)(l)	---	PACE
ESE-1	12/10/93	177.69	9.93	167.76	1800	480	42	19	66	921	(e)(l)	3.2	PACE
QC-1 (d)	12/10/93	---	---	---	1500	380	38	17	55	770	(e)(l)	---	PACE
ESE-1	02/17/94	177.69	9.64	168.05	1900	380	48	24	80	585	(e)(l)	---	PACE
QC-1 (d)	02/17/94	---	---	---	2200	430	42	19	65	491	(e)(l)	---	PACE
ESE-1	08/08/94	177.69	11.72	165.97	2100	450	46	16	50	760	(e)	5.1	PACE
ESE-1	10/12/94	177.69	10.48	167.21	760	240	16	51	39	230	(e)	3.5	PACE
ESE-1	01/19/95	177.69	7.77	169.92	840	600	120	22	58	---		8.0	ATI
ESE-1	05/02/95	177.69	8.69	169.00	2000	640	67	24	98	---		8.5	ATI
ESE-1	07/28/95	177.69	10.12	167.57	190	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		7.9	ATI
ESE-1	11/17/95	177.69	10.57	167.12	200	3.4	ND<1.0	1	ND<2.0	600		7.7	ATI
ESE-1	02/07/96	177.69	7.41	170.28	750	370	23	21	64	680		2.5	SPL
ESE-1	04/23/96	177.69	9.12	168.57	310	100	ND<1	ND<1	ND<1	1500		6.3	SPL
ESE-1	07/09/96	177.69	10.12	167.57	730	230	74	13	63	750		2.9	SPL
ESE-1	10/10/96	177.69	10.80	166.89	420	26	1.6	7.3	12	430		7.4	SPL
ESE-1	01/20/97	177.69	8.52	169.17	660	290	4.2	13	36	450		5.9	SPL
ESE-1	04/25/97	177.69	9.77	167.92	410	ND<0.5	ND<1.0	ND<1.0	ND<1.0	580		5.3	SPL
ESE-1	07/18/97	177.69	10.55	167.14	420	ND<0.5	ND<1.0	ND<1.0	ND<1.0	370		5.0	SPL
ESE-1	10/27/97	177.69	10.36	167.33	300	56	ND<1.0	6.5	ND<1.0	220		4.8	SPL
ESE-1	01/22/98	177.69	7.52	170.17	4200	440	9	15	17.7	1300		4.2	SPL
ESE-1	04/23/98	177.69	8.80	168.89	15000	3400	190	910	900	4900		4.2	SPL
QC-1	04/23/98	---	---	---	15000	2800	140	730	730	4400		---	SPL
ESE-1	07/29/98	177.69	9.73	167.96	---	---	---	---	---	---		---	---
ESE-1	07/30/98	---	---	---	15000	ND<2.5	ND<5.0	ND<5.0	ND<5.0	15000		4.0	SPL
ESE-1	12/17/98	177.69	9.51	168.18	2400	73	1.0	2.8	4.6	2000/2500*		---	SPL
ESE-1	03/19/99	177.69	8.65	169.04	4700	58	ND<1.0	ND>1.0	ND<1.0	4700		---	SPL
ESE-1	06/23/99	177.69	10.51	167.18	600	170	ND<1.0	7.2	5.0	3900		---	SPL
ESE-1	09/27/99	177.69	10.32	167.37	920	200	ND<25	ND<25	ND<25	4900		---	SPL
ESE-1	12/09/99	177.69	10.24	167.45	460	130	1.2	5.2	1.5	5100		---	PACE
ESE-1	03/09/00	177.69	7.72	169.97	3000 (j)	1300	120	80	140	7300		---	PACE
ESE-1	06/08/00	177.69	9.40	168.29	2900	540	9.7	20	17	5200		---	PACE
ESE-1	09/18/00	177.69	10.05	167.64	890	3.4	ND<0.5	1.4	ND<0.5	2800		---	PACE
ESE-1	12/14/00	177.69	8.20	169.49	1600	11.1	ND<0.5	ND<0.5	ND<0.5	2730		---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
ESE-1	03/21/01	177.69	9.75	167.94	5700	2.28	ND<0.5	0.51	ND<1.5	6810	---	PACE
ESE-1	06/18/01	177.69	10.21	167.48	2000	152	0.669	3.62	2.34	1980	---	PACE
ESE-1	09/18/01	177.69	10.30	167.39	2500	57.1	ND<5.0	6.25	ND<15	2090	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
ESE-2	10/05/92	178.23	11.68	166.55	300	5.4	16	3.9	45	---	(l)	---	PACE
ESE-2	04/01/93	178.23	9.17	169.06	240	27	ND<0.5	17	2.6	123	(e)(l)	---	PACE
ESE-2	06/29/93	178.23	10.88	167.35	1700	260	24	110	23	---	(l)	---	PACE
QC-1 (d)	06/29/93	---	---	---	1300	240	17	110	25	---	(l)	---	PACE
ESE-2	09/23/93	178.23	11.56	166.67	240	3.1	0.5	0.6	2.5	643	(e)(l)	---	PACE
ESE-2	12/10/93	178.23	10.48	167.75	250	2.4	2.4	1.5	11	940	(e)(l)	2.6	PACE
ESE-2	02/17/94	178.23	10.06	168.17	900	ND<0.5	ND<0.5	ND<0.5	ND<0.5	930	(e)(l)	---	PACE
ESE-2	08/08/94	178.23	11.11	167.12	750	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1400	(e)	5.1	PACE
ESE-2	10/12/94	178.23	11.31	166.92	1700	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3000	(e)	3.6	PACE
ESE-2	01/19/95	178.23	8.25	169.98	300	2	0.9	0.7	1	---		8.1	ATI
ESE-2	05/02/95	178.23	9.21	169.02	1200	4	ND<2.5	ND<2.5	ND<5.0	---		8.4	ATI
ESE-2	07/28/95	178.23	10.64	167.59	2000	ND<2.5	ND<2.5	ND<2.5	ND<5.0	---		7.7	ATI
ESE-2	11/17/95	178.23	11.13	167.10	3600	ND<25	ND<25	ND<25	ND<50	12000		7.4	ATI
QC-1 (d)	11/17/95	---	---	---	3400	ND<25	ND<25	ND<25	ND<50	12000		---	ATI
ESE-2	02/07/96	178.23	7.94	170.29	450	ND<0.5	ND<1	ND<1	ND<1	2300		1.8	SPL
ESE-2	04/23/96	178.23	9.73	168.50	260	0.9	ND<1	ND<1	ND<1	8600		7.2	SPL
ESE-2	07/09/96	178.23	10.70	167.53	780	ND<2.5	ND<5	ND<5	ND<5	13393		3.0	SPL
ESE-2	10/10/96	178.23	11.39	166.84	2900	ND<0.5	ND<1.0	ND<1.0	ND<1.0	12000		7.0	SPL
ESE-2	01/20/97	178.23	9.04	169.19	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	13000		6.2	SPL
ESE-2	04/25/97	178.23	10.31	167.92	2700	ND<0.5	ND<1.0	ND<1.0	ND<1.0	15000		5.9	SPL
ESE-2	07/18/97	178.23	11.02	167.21	11000	ND<5	ND<10	ND<10	ND<10	11000		5.0	SPL
ESE-2	10/27/97	178.23	10.93	167.30	6100	ND<2.5	ND<5.0	ND<5.0	ND<5.0	7100		4.8	SPL
QC-1 (d)	10/27/97	---	---	---	6600	ND<2.5	ND<5.0	ND<5.0	ND<5.0	7400		---	SPL
ESE-2	01/22/98	178.23	7.93	170.30	13000	ND<0.5	ND<1.0	ND<1.0	ND<1.0	10000		4.6	SPL
QC-1 (d)	01/22/98	---	---	---	13000	ND<0.5	ND<1.0	ND<1.0	ND<1.0	10000		---	SPL
ESE-2	04/23/98	178.23	9.34	168.89	19000	ND<5	ND<10	ND<10	ND<10	36000		4.2	SPL
ESE-2	07/29/98	178.23	10.29	167.94	---	---	---	---	---	---		---	---
ESE-2	07/30/98	---	---	---	19000	ND<5	ND<10	ND<10	ND<10	36000		4.2	SPL
ESE-2	12/17/98	178.23	10.20	168.03	12000	ND<5.0	ND<5.0	ND<5.0	ND<5.0	13000/17000*		---	SPL
ESE-2	03/19/99	178.23	9.02	169.21	18000	160	ND<1.0	ND<1.0	ND<1.0	18000		---	SPL
ESE-2	06/23/99	178.23	9.99	168.24	280	ND<1.0	ND<1.0	ND<1.0	ND<1.0	16000		---	SPL
ESE-2	09/27/99	178.23	10.69	167.54	ND<500	ND<25	ND<25	ND<25	ND<25	12000		---	SPL
ESE-2	12/09/99	178.23	11.26	166.97	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.6	12000		---	PACE
ESE-2	03/09/00	178.23	7.95	170.28	ND<50	1.6	ND<0.5	ND<0.5	ND<0.5	7900		---	PACE
ESE-2	06/08/00	178.23	9.66	168.57	1600	ND<0.5	0.73	ND<0.5	2.2	9400		---	PACE
ESE-2 (k)	09/18/00	178.23	---	---	---	---	---	---	---	---		---	---
ESE-2	12/14/00	178.23	11.15	167.08	6000	0.75	ND<0.5	ND<0.5	ND<0.5	11200		---	PACE
ESE-2	03/21/01	178.23	10.35	167.88	6900	786	45.7	37.7	71.5	3790		---	PACE
ESE-2	06/18/01	178.23	11.24	166.99	6400	ND<2.5	ND<2.5	ND<2.5	ND<7.5	9320		---	PACE
ESE-2	09/18/01	178.23	11.35	166.88	4800	ND<12.5	ND<12.5	ND<12.5	ND<37.5	6960		---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
ESE-3	10/05/92	178.20	10.58	167.62	430	57	31	3.6	34	---	(l)	---	PACE
ESE-3	04/01/93	178.20	8.14	170.06	2400	460	220	74	210	---	(l)	---	PACE
ESE-3	06/29/93	178.20	9.72	168.48	280	56	14	15	13	---	(l)	---	PACE
ESE-3	09/23/93	178.20	10.46	167.74	72	13	3.5	1.7	4.1	---	(l)	---	PACE
ESE-3	12/10/93	178.20	9.30	168.90	270	71	32	6.1	33	---	(l)	2.7	PACE
ESE-3	02/17/94	178.20	8.97	169.23	520	140	10	20	33	5.74	(l)	---	PACE
ESE-3	08/08/94	178.20	10.02	168.18	ND<50	8.8	1.6	1.6	2.3	ND<5.0	(l)	6.2	PACE
ESE-3	10/12/94	178.20	10.32	167.88	470	190	6.4	15	18	ND<5.0	(l)	3.5	PACE
ESE-3	01/19/95	178.20	7.40	170.80	330	260	27	21	20	---		6.7	ATI
ESE-3	05/02/95	178.20	8.26	169.94	530	180	30	23	44	---		8.6	ATI
ESE-3	07/28/95	178.20	9.54	168.66	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		8.8	ATI
ESE-3	11/17/95	178.20	10.04	168.16	ND<50	1.7	ND<0.50	ND<0.50	ND<1.0	ND<5.0		7.3	ATI
ESE-3	02/07/96	178.20	7.08	171.12	ND<50	8.6	ND<1	ND<1	ND<1	ND<10		3.9	SPL
ESE-3	04/23/96	178.20	8.79	169.41	ND<50	7.6	ND<1	ND<1	ND<1	65		6.9	SPL
ESE-3	07/09/96	178.20	10.09	168.11	ND<50	12	2.6	2	3.9	26		3.4	SPL
ESE-3	10/10/96	178.20	10.48	167.72	---	---	---	---	---	---		---	---
ESE-3	10/11/96	178.20	---	---	260	140	ND<1.0	ND<1.0	2.6	ND<10		7.2	SPL
ESE-3	01/20/97	178.20	8.65	169.55	ND<50	1.5	1.7	ND<1.0	ND<1.0	14		5.7	SPL
ESE-3	04/25/97	178.20	10.02	168.18	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	14		5.4	SPL
ESE-3	07/18/97	178.20	10.66	167.54	10000	1400	1400	300	1280	ND<250		5.2	SPL
ESE-3	10/27/97	178.20	9.83	168.37	ND<250	ND<2.5	ND<5.0	ND<5.0	36	ND<50		5.0	SPL
ESE-3	01/22/98	178.20	7.06	171.14	130	ND<0.5	ND<1.0	ND<1.0	ND<1.0	120		4.3	SPL
ESE-3	04/23/98	178.20	8.44	169.76	4800	560	ND<10	15	ND<10	4000		3.9	SPL
ESE-3	07/29/98	178.20	9.27	168.93	---	---	---	---	---	---		---	---
ESE-3	07/30/98	---	---	---	1800	6.2	ND<5.0	ND<5.0	ND<5.0	1700		4.1	SPL
ESE-3	12/17/98	178.20	9.15	169.05	600	54	ND<1.0	2.1	4.9	340/480*		---	SPL
ESE-3	03/19/99	178.20	8.14	170.06	2000	260	4.4	13	28	870		---	SPL
ESE-3	06/23/99	178.20	9.44	168.76	290	91	ND<1.0	8.3	16	240		---	SPL
ESE-3	09/27/99	178.20	9.69	168.51	130	35	ND<1.0	2.7	3.8	100		---	SPL
ESE-3	12/09/99	178.20	10.99	167.21	380	84	1.7	8.7	6.3	160		---	PACE
ESE-3	03/09/00	178.20	7.12	171.08	950	190	4.6	39	62	350		---	PACE
ESE-3	06/08/00	178.20	10.92	167.28	300	37	ND<0.5	2.3	1.3	400		---	PACE
ESE-3	09/18/00	178.20	11.12	167.08	920	140	1.3	15	4.8	170		---	PACE
ESE-3	12/14/00	178.20	9.70	168.50	320	64	ND<0.5	6.24	1.76	201		---	PACE
ESE-3	03/21/01	178.20	10.07	168.13	680	80.5	0.546	21.1	18.2	398		---	PACE
ESE-3	06/18/01	178.20	11.42	166.78	380	47	ND<0.5	3.11	ND<1.5	242		---	PACE
ESE-3	09/18/01	178.20	11.55	166.65	340	54.8	ND<0.5	4.36	ND<1.5	79.7		---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
ESE-4	10/05/92	177.73	10.33	167.40	98	7.2	1.3	1.1	6.1	---	(l)	---	PACE
ESE-4	04/01/93	177.73	7.88	169.85	550	93	20	23	33	---	(l)	---	PACE
ESE-4	06/29/93	177.66 (f)	8.33	169.33	150	23	0.6	5.4	0.5	54	(e)(l)	---	PACE
ESE-4	09/23/93	177.66	10.05	167.61	110	14	1.7	3.2	4.6	---	(l)	---	PACE
ESE-4	12/10/93	177.66	8.95	168.71	110	21	7.2	4.2	10	28.75	(l)	2.8	PACE
ESE-4	02/17/94	177.66	8.65	169.01	210	26	1.2	4.7	11	113	(e)(l)	---	PACE
ESE-4	08/08/94	177.66	9.76	167.90	76	9.6	ND<0.5	2	ND<0.5	62	(e)	7.0	PACE
ESE-4	10/12/94	177.66	9.62	168.04	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	44	(e)	3.2	PACE
ESE-4	01/19/95	177.66	6.97	170.69	140	56	14	24	23	---		6.9	ATI
ESE-4	05/02/95	177.66	7.85	169.81	130	21	2.8	8.6	8.2	---		9.1	ATI
ESE-4	07/28/95	177.66	9.20	168.46	ND<50	ND<0.5	ND<0.50	ND<0.50	ND<1.0	---		8.1	ATI
ESE-4	11/17/95	177.66	9.68	167.98	ND<50	ND<0.5	0.6	ND<0.50	ND<1.0	18		5.7	ATI
ESE-4	02/07/96	177.66	6.59	171.07	100	2.6	ND<1	1.6	4.1	42		2.0	SPL
ESE-4	04/23/96	177.66	8.30	169.36	160	37	15	16	31	43		5.4	SPL
ESE-4	07/09/96	177.66	9.21	168.45	60	17	1.5	6.8	11.6	27		3.9	SPL
ESE-4	10/10/96	177.66	9.97	167.69	---	---	---	---	---	---		---	---
ESE-4	10/11/96	177.66	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	18		5.5	SPL
ESE-4	01/20/97	177.66	7.68	169.98	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	130		4.9	SPL
ESE-4	04/25/97	177.66	9.15	168.51	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50		4.3	SPL
ESE-4	07/18/97	177.66	9.71	167.95	ND<50	15	ND<10	ND<10	ND<10	ND<100		4.5	SPL
ESE-4	10/27/97	177.66	9.38	168.28	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50		4.9	SPL
ESE-4	01/22/97	177.66	6.59	171.07	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.3	SPL
ESE-4	04/23/98	177.66	7.90	169.76	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50		4.0	SPL
ESE-4	07/29/98	177.66	8.96	168.70	---	---	---	---	---	---		---	---
ESE-4	07/30/98	---	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.2	SPL
ESE-4	12/17/98	177.66	8.32	169.34	---	---	---	---	---	---		---	---
ESE-4	03/19/99	177.66	7.71	169.95	---	---	---	---	---	---		---	---
ESE-4	06/23/99	177.66	8.78	168.88	---	---	---	---	---	---		---	---
ESE-4	09/27/99	177.66	9.27	168.39	---	---	---	---	---	---		---	---
ESE-4	12/09/99	177.66	9.21	168.45	---	---	---	---	---	---		---	---
ESE-4	03/09/00	177.66	6.82	170.84	---	---	---	---	---	---		---	---
ESE-4	06/08/00	177.66	8.72	168.94	---	---	---	---	---	---		---	---
ESE-4	09/18/00	177.66	9.02	168.64	---	---	---	---	---	---		---	---
ESE-4	12/14/00	177.66	8.61	169.05	---	---	---	---	---	---		---	---
ESE-4	03/21/01	177.66	8.61	169.05	---	---	---	---	---	---		---	---
ESE-4	06/18/01	177.66	9.24	168.42	---	---	---	---	---	---		---	---
ESE-4	09/18/01	177.66	9.35	168.31	---	---	---	---	---	---		---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
ESE-5		10/05/92	176.08	9.22	166.86	1300	200	3.8	1.2	18	---	(l)	---	PACE
ESE-5		04/01/93	176.08	7.02	169.06	13000	2200	26	730	1000	---	(l)	---	PACE
QC-1	(d)	04/01/93	---	---	---	13000	2500	25	740	1100	---	(l)	---	PACE
ESE-5		06/29/93	176.08	10.21	165.87	7600	1500	9.3	170	100	---	(l)	---	PACE
ESE-5		09/23/93	176.08	10.64	165.44	560	19	1.2	0.9	1.8	---	(l)	---	PACE
ESE-5		12/10/93	176.08	9.42	166.66	1700	300	3	76	110	14.07	(l)	2.5	PACE
ESE-5		02/07/94	176.08	9.35	166.73	3500	640	7.8	90	130	45.13	(l)	---	PACE
ESE-5		08/08/94	176.08	8.76	167.32	2600	210	4.6	9.4	4.4	33	(e)	5.8	PACE
QC-1	(d)	08/08/94	---	---	---	2500	230	4.6	13	4.8	32	(e)	---	PACE
ESE-5		10/12/94	176.08	8.95	167.13	5600	560	9.5	75	21	79.2	(l)	3.6	PACE
QC-1	(d)	10/12/94	---	---	---	6000	550	10	78	22	77	(e)	---	PACE
ESE-5		01/19/95	176.08	5.40	170.68	1900	620	ND<5	95	15	---		7.6	ATI
QC-1	(d)	01/19/95	---	---	---	1600	620	ND<5	93	17	---		---	ATI
ESE-5		05/02/95	176.08	6.48	169.60	5700	1100	ND<10	180	58	---		8.2	ATI
QC-1	(d)	05/02/95	---	---	---	5300	1100	ND<10	180	58	---		---	ATI
ESE-5		07/28/95	176.08	7.97	168.11	520	15	ND<0.50	1.7	1.3	---		8.2	ATI
QC-1	(d)	07/28/95	---	---	---	460	7.2	ND<0.50	1.9	1.5	---		---	ATI
ESE-5		11/17/95	176.08	8.39	167.69	850	39	1.8	7.6	2.7	24		6.3	ATI
ESE-5		02/07/96	176.08	4.71	171.37	4100	670	6	190	140	ND<50		1.5	SPL
ESE-5		04/23/96	176.08	7.35	168.73	3000	570	ND<5	79	100	84		6.5	SPL
ESE-5		07/09/96	176.08	9.40	166.68	620	150	1.7	9.3	6.4	25		3.7	SPL
ESE-5		10/10/96	176.08	9.04	167.04	1100	29	ND<5.0	ND<5.0	ND<5.0	ND<50		6.3	SPL
QC-1	(d)	10/10/96	---	---	---	1100	31	ND<5.0	ND<5.0	ND<5.0	ND<50		---	SPL
ESE-5		01/20/97	176.08	5.82	170.26	2100	980	ND<25	280	80	ND<250		5.4	SPL
QC-1	(d)	01/20/97	---	---	---	2700	910	8.8	280	84	180		---	SPL
ESE-5		04/25/97	176.08	7.24	168.84	---	---	---	---	---	---		---	---
ESE-5		04/28/97	176.08	---	---	ND<250	7.9	ND<5.0	ND<5.0	ND<5.0	ND<50		4.9	SPL
ESE-5		07/18/97	176.08	7.86	168.22	1200	ND<5	ND<10	ND<10	ND<10	ND<100		5.0	SPL
QC-1	(d)	07/18/97	---	---	---	630	31	ND<5.0	ND<5.0	ND<5.0	130		---	SPL
ESE-5		10/27/97	176.08	7.91	168.17	ND<250	5.4	ND<5.0	ND<5.0	ND<5.0	ND<50		5.2	SPL
ESE-5		01/22/98	176.08	4.64	171.44	170	7.7	ND<1.0	ND<1.0	ND<1.0	130		4.6	SPL
ESE-5		04/23/98	176.08	6.31	169.77	720	79	ND<5.0	9.0	ND<5.0	180		4.6	SPL
ESE-5		07/29/98	176.08	7.43	168.65	---	---	---	---	---	---		---	---
ESE-5		07/30/98	---	---	---	840	9.8	ND<1.0	4.0	ND<1.0	710		4.3	SPL
ESE-5		12/17/98	176.08	7.05	169.03	---	---	---	---	---	---		---	---
ESE-5		03/19/99	176.08	5.00	171.08	ND<250	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0		---	SPL
ESE-5		06/23/99	176.08	7.77	168.31	---	---	---	---	---	---		---	SPL
ESE-5		09/27/99	176.08	8.11	167.97	450	10	ND<5.0	6.3	ND<5.0	220		---	SPL
ESE-5		12/09/99	176.08	7.66	168.42	---	---	---	---	---	---		---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
ESE-5	03/09/00	176.08	5.08	171.00	1700	170	2.5	45	6.4	140	---	PACE
ESE-5	06/08/00	176.08	7.36	168.72	---	---	---	---	---	---	---	---
ESE-5	09/18/00	176.08	7.71	168.37	130	0.65	ND<0.5	0.71	ND<0.5	51	---	PACE
ESE-5	12/14/00	176.08	2.36	173.72	---	---	---	---	---	---	---	---
ESE-5	03/21/01	176.08	7.42	168.66	1000	10.3	ND<2.5	11	ND<7.5	70.8	---	PACE
ESE-5	06/18/01	176.08	7.92	168.16	---	---	---	---	---	---	---	---
ESE-5	09/18/01	176.08	8.05	168.03	200	0.868	ND<0.5	0.55	ND<1.5	57.5	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-6	07/28/95	179.24	10.00	169.24	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	8.1	ATI
MW-6	11/17/95	179.24	10.44	168.80	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	6.8	ATI
MW-6	02/07/96	179.24	7.68	171.56	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	2.4	SPL
MW-6	04/23/96	179.24	9.33	169.91	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	6.6	SPL
MW-6	07/09/96	179.24	10.10	169.14	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	2.7	SPL
MW-6	10/10/96	179.24	11.00	168.24	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.9	SPL
MW-6	01/20/97	179.24	8.70	170.54	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.5	SPL
MW-6	04/25/97	179.24	10.16	169.08	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.1	SPL
MW-6	07/18/97	179.24	10.66	168.58	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.8	SPL
MW-6	10/27/97	179.24	10.25	168.99	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.8	SPL
MW-6	01/22/98	179.24	7.76	171.48	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.0	SPL
MW-6	04/23/98	179.24	9.10	170.14	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.2	SPL
MW-6	07/29/98	179.24	10.40	168.84	---	---	---	---	---	---	---	---
MW-6	07/30/98	---	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	3.8	SPL
MW-6	12/17/98	179.24	9.40	169.84	---	---	---	---	---	---	---	---
MW-6	03/19/99	179.24	9.10	170.14	---	---	---	---	---	---	---	---
MW-6	06/23/99	179.24	9.79	169.45	---	---	---	---	---	---	---	---
MW-6	09/27/99	179.24	10.10	169.14	---	---	---	---	---	---	---	---
MW-6	12/09/99	179.24	9.97	169.27	---	---	---	---	---	---	---	---
MW-6	03/09/00	179.24	8.56	170.68	---	---	---	---	---	---	---	---
MW-6	06/08/00	179.24	9.11	170.13	---	---	---	---	---	---	---	---
MW-6	09/18/00	179.24	9.77	169.47	---	---	---	---	---	---	---	---
MW-6	12/14/00	179.24	9.17	170.07	---	---	---	---	---	---	---	---
MW-6	03/21/01	179.24	9.82	169.42	---	---	---	---	---	---	---	---
MW-6	06/18/01	179.24	10.19	169.05	---	---	---	---	---	---	---	---
MW-6	09/18/01	179.24	10.25	168.99	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-7	07/28/95	176.55	9.25	167.30	ND<50	0.54 (g)	0.54	ND<0.50	ND<1.0	---	7.1	ATI
MW-7	11/17/95	176.55	9.73	166.82	1100	ND<10	ND<10	ND<10	ND<20	4000	6.3	ATI
MW-7	02/07/96	176.55	6.48	170.07	610	ND<0.5	ND<1	ND<1	ND<1	2500	4.1	SPL
QC-1 (d)	02/07/96	---	---	---	280	ND<0.5	ND<1	ND<1	ND<1	2600	---	SPL
MW-7	04/23/96	176.55	8.37	168.18	110	ND<0.5	ND<1	ND<1	ND<1	3500	6.4	SPL
QC-1 (d)	04/23/96	---	---	---	230	ND<0.5	ND<1	ND<1	ND<1	3500	---	SPL
MW-7	07/09/96	176.55	9.24	167.31	230	ND<0.5	ND<1	ND<1	ND<1	4296	3.1	SPL
QC-1 (d)	07/09/96	---	---	---	220	ND<0.5	ND<1	ND<1	ND<1	4400	---	SPL
MW-7	10/10/96	176.55	10.05	166.50	---	---	---	---	---	---	---	---
MW-7	10/11/96	176.55	---	---	1600	ND<0.5	ND<1.0	ND<1.0	ND<1.0	3000	6.9	SPL
MW-7	01/20/97	176.55	7.51	169.04	ND<50	0.63	1	ND<1.0	ND<1.0	2600	5.7	SPL
MW-7	04/25/97	176.55	8.79	167.76	---	---	---	---	---	---	---	---
MW-7	04/28/97	176.55	---	---	1500	ND<0.5	ND<1.0	ND<1.0	ND<1.0	3600	5.1	SPL
QC-1 (d)	04/28/97	---	---	---	7700	3500	ND<25	74	37	ND<250	---	SPL
MW-7	07/18/97	176.55	9.50	167.05	1400	ND<0.5	ND<1.0	ND<1.0	ND<1.0	2600	5.2	SPL
MW-7	10/27/97	176.55	9.19	167.36	420	ND<0.5	ND<1.0	ND<1.0	ND<1.0	560	4.9	SPL
MW-7	01/22/98	176.55	6.45	170.10	3100	ND<0.5	ND<1.0	ND<1.0	1.4	2300	4.2	SPL
MW-7	04/23/98	176.55	8.02	168.53	3800	ND<0.5	ND<1.0	ND<1.0	ND<1.0	3800	3.9	SPL
MW-7	07/29/98	176.55	8.88	167.67	---	---	---	---	---	---	---	---
MW-7	07/30/98	---	---	---	500	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	4.1	SPL
QC-1 (d)	07/30/98	---	---	---	4700	ND<12	ND<25	ND<25	ND<25	4700	---	SPL
MW-7	12/17/98	176.55	8.62	167.93	---	---	---	---	---	---	---	---
MW-7	03/19/99	176.55	7.52	169.03	3800	ND<1.0	ND<1.0	ND<1.0	ND<1.0	3800	---	SPL
MW-7	06/23/99	176.55	9.63	166.92	---	---	---	---	---	---	---	---
MW-7	09/27/99	176.55	9.39	167.16	140	ND<10	ND<10	ND<10	ND<10	3800	---	SPL
MW-7	12/09/99	176.55	9.94	166.61	---	---	---	---	---	---	---	---
MW-7	03/09/00	176.55	6.72	169.83	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1400	---	PACE
MW-7	06/08/00	176.55	7.38	169.17	---	---	---	---	---	---	---	---
MW-7	09/18/00	176.55	9.18	167.37	190	ND<0.5	ND<0.5	ND<0.5	ND<0.5	580	---	PACE
MW-7	12/14/00	176.55	8.13	168.42	---	---	---	---	---	---	---	---
MW-7	03/21/01	176.55	8.98	167.57	1300	ND<0.5	ND<0.5	ND<0.5	ND<1.5	1460	---	PACE
MW-7	06/18/01	176.55	9.68	166.87	---	---	---	---	---	---	---	---
MW-7	09/18/01	176.55	9.80	166.75	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	94.9	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
MW-8		07/28/95	176.34	7.80	168.54	1100	ND<2.5	ND<2.5	ND<2.5	ND<5.0	---		7.2	ATI
MW-8		11/17/95	176.34	8.29	168.05	8300	75	5.3	670	240	140		7.0	ATI
MW-8		02/07/96	176.34	4.99	171.35	2300	33	ND<10	190	216	ND<100		1.7	SPL
MW-8		04/23/96	176.34	6.09	170.25	2000	390	ND<20	150	26	ND<250		5.1	SPL
MW-8	(h)	07/09/96	---	---	---	---	---	---	---	---	---		---	---
QC-2	(i)	04/01/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(l)	---	PACE
QC-2	(i)	06/29/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(l)	---	PACE
QC-2	(i)	09/23/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(l)	---	PACE
QC-2	(i)	12/10/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	PACE
QC-2	(i)	02/17/94	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	PACE
QC-2	(i)	08/08/94	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	PACE
QC-2	(i)	10/12/94	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	PACE
QC-2	(i)	01/19/95	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---	ATI
QC-2	(i)	05/02/95	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	ATI
QC-2	(i)	07/28/95	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	ATI
QC-2	(i)	11/17/95	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	ATI
QC-2	(i)	02/07/96	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	SPL
QC-2	(i)	04/23/96	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	SPL
QC-2	(i)	07/09/96	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

ABBREVIATIONS:

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

NOTES:

(a) Top of casing elevations surveyed relative to mean sea level.

(b) Groundwater elevations in feet relative to mean sea level.

(c) Additional analysis of the sample collected from ESE-1 on 10/5/92 detected 96 ug/L total petroleum hydrocarbons as diesel and 1.8 ug/L 1,2-dichloroethane.

(d) Blind duplicate.

(e) A copy of the documentation for this data is included in Appendix C of Alisto report 10-138-09-004.

(f) Top of casing lowered by 0.07 foot after the monitoring event on 4/01/93.

(g) Sample result may be falsely elevated due to matrix interference.

(h) Well destroyed.

(i) Travel blank.

(j) Gasoline does not include MTBE.

(k) Well Inaccessible.

(l) A copy of the documentation for this data can be found in Blaine Tech Services report 010618-J-1. MTBE data for the September 28, 1992, September 29, 1992, October 5, 1992, and April 1, 1993 sampling events have been destroyed.
No chromatograms could be located for MTBE data from wells sampled on June 29, 1993; wells ESE-1, ESE-3, ESE-4, ESE-5, and the Trip Blank, sampled on September 23, 1993; and wells ESE-1, ESE-2, and ESE-3, sampled on December 10, 1993.

(*) MTBE by EPA 8020/8260.

Analytical Appendix

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September 28, 2001

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

RE: Lab Project Number: 8523383
Client Project ID: BP Site# 11105

Dear Ms. Magyar:

Enclosed are the analytical results for sample(s) received by the laboratory on September 20, 2001. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Paula Kirtley
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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

Lab Project Number: 8523383
Client Project ID: BP Site# 11105

Attn: Ms. Cindy Magyar
Phone:

Lab Sample No: 851711502 Project Sample Number: 8523383-001 Date Collected: 09/18/01 09:00
Client Sample ID: ESE-1 (11105) Matrix: Water Date Received: 09/20/01 08:45

Parameters	Results	Units	Report Limit	Dilution	Analyzed		CAS No.	Ftnote	Reg Lim
GC Volatiles									
GAS by Mod 8015, Water	Prep/Method: EPA 8015 Modified / EPA 8015 Modified								
Gasoline Range Organics	2500	ug/l	500	10.0	09/26/01 15:59	WRIC			
1,4-Difluorobenzene (S)	122	%		1.0	09/26/01 15:59	WRIC			
4-Bromofluorobenzene (S)	106	%		1.0	09/26/01 15:59	WRIC	460-00-4		
SW8021 Aromatics, Water	Prep/Method: See analytical meth / EPA 8021								
Benzene	57.1	ug/l	5.00	10.0	09/26/01 15:59	WRIC	71-43-2		
Ethylbenzene	6.25	ug/l	5.00	10.0	09/26/01 15:59	WRIC	100-41-4		
Toluene	ND	ug/l	5.00	10.0	09/26/01 15:59	WRIC	108-88-3		
Xylene (Total)	ND	ug/l	15.0	10.0	09/26/01 15:59	WRIC	1330-20-7		
Methyl-tert-butyl ether	2090	ug/l	5.00	10.0	09/26/01 15:59	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	107	%		1.0	09/26/01 15:59	WRIC			
4-Bromofluorobenzene (S)	97	%		1.0	09/26/01 15:59	WRIC	460-00-4		

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Lab Project Number: 8523383
Client Project ID: BP Site# 11105

Lab Sample No: 851711503 Project Sample Number: 8523383-002 Date Collected: 09/18/01 09:15
Client Sample ID: ESE-2 Matrix: Water Date Received: 09/20/01 08:45

Parameters	Results	Units	Report Limit	Dilution	Analyzed		CAS No.	Ftnote	Reg Lim
GC Volatiles									
GAS by Mod 8015, Water	Prep/Method: EPA 8015 Modified / EPA 8015 Modified								
Gasoline Range Organics	4800	ug/l	1200	25.0	09/27/01 13:02	WRIC			
1,4-Difluorobenzene (S)	128	%		1.0	09/27/01 13:02	WRIC			
4-Bromofluorobenzene (S)	106	%		1.0	09/27/01 13:02	WRIC	460-00-4		
SW8021 Aromatics, Water	Prep/Method: See analytical meth / EPA 8021								
Benzene	ND	ug/l	12.5	25.0	09/27/01 13:02	WRIC	71-43-2		
Ethylbenzene	ND	ug/l	12.5	25.0	09/27/01 13:02	WRIC	100-41-4		
Toluene	ND	ug/l	12.5	25.0	09/27/01 13:02	WRIC	108-88-3		
Xylene (Total)	ND	ug/l	37.5	25.0	09/27/01 13:02	WRIC	1330-20-7		
Methyl-tert-butyl ether	6960	ug/l	12.5	25.0	09/27/01 13:02	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	105	%		1.0	09/27/01 13:02	WRIC			
4-Bromofluorobenzene (S)	98	%		1.0	09/27/01 13:02	WRIC	460-00-4		

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Lab Project Number: 8523383
Client Project ID: BP Site# 11105

Lab Sample No: 851711504 Project Sample Number: 8523383-003 Date Collected: 09/18/01 08:10
Client Sample ID: ESE-3 Matrix: Water Date Received: 09/20/01 08:45

Parameters	Results	Units	Report Limit	Dilution	Analyzed	CAS No.	Ftnote	Reg Lim
GC Volatiles								
GAS by Mod 8015, Water	Prep/Method: EPA 8015 Modified / EPA 8015 Modified							
Gasoline Range Organics	340	ug/l	50.	1.0	09/27/01 11:44	WRIC		
1,4-Difluorobenzene (S)	121	%		1.0	09/27/01 11:44	WRIC		
4-Bromofluorobenzene (S)	120	%		1.0	09/27/01 11:44	WRIC 460-00-4		
SW8021 Aromatics, Water	Prep/Method: See analytical meth / EPA 8021							
Benzene	54.8	ug/l	0.500	1.0	09/27/01 11:44	WRIC 71-43-2		
Ethylbenzene	4.36	ug/l	0.500	1.0	09/27/01 11:44	WRIC 100-41-4		
Toluene	ND	ug/l	0.500	1.0	09/27/01 11:44	WRIC 108-88-3		
Xylene (Total)	ND	ug/l	1.50	1.0	09/27/01 11:44	WRIC 1330-20-7		
Methyl-tert-butyl ether	79.7	ug/l	0.500	1.0	09/27/01 11:44	WRIC 1634-04-4		
1,4-Difluorobenzene (S)	107	%		1.0	09/27/01 11:44	WRIC		
4-Bromofluorobenzene (S)	103	%		1.0	09/27/01 11:44	WRIC 460-00-4		

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Lab Project Number: 8523383
Client Project ID: BP Site# 11105

Lab Sample No: 851711505 Project Sample Number: 8523383-004 Date Collected: 09/18/01 08:25
Client Sample ID: ESE-5 Matrix: Water Date Received: 09/20/01 08:45

Parameters	Results	Units	Report Limit	Dilution	Analyzed		CAS No.	Ftnote	Reg Lim
GC Volatiles									
GAS by Mod 8015, Water	Prep/Method: EPA 8015 Modified / EPA 8015 Modified								
Gasoline Range Organics	200	ug/l	50.	1.0	09/27/01 12:42	WRIC			
1,4-Difluorobenzene (S)	122	%		1.0	09/27/01 12:42	WRIC			
4-Bromofluorobenzene (S)	119	%		1.0	09/27/01 12:42	WRIC	460-00-4		
SW8021 Aromatics, Water	Prep/Method: See analytical meth / EPA 8021								
Benzene	0.868	ug/l	0.500	1.0	09/27/01 12:42	WRIC	71-43-2		
Ethylbenzene	0.550	ug/l	0.500	1.0	09/27/01 12:42	WRIC	100-41-4		
Toluene	ND	ug/l	0.500	1.0	09/27/01 12:42	WRIC	108-88-3		
Xylene (Total)	ND	ug/l	1.50	1.0	09/27/01 12:42	WRIC	1330-20-7		
Methyl-tert-butyl ether	57.5	ug/l	0.500	1.0	09/27/01 12:42	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	101	%		1.0	09/27/01 12:42	WRIC			
4-Bromofluorobenzene (S)	101	%		1.0	09/27/01 12:42	WRIC	460-00-4		

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Lab Project Number: 8523383
Client Project ID: BP Site# 11105

Lab Sample No: 851711506 Project Sample Number: 8523383-005 Date Collected: 09/18/01 08:40
Client Sample ID: MW-7 Matrix: Water Date Received: 09/20/01 08:45

Parameters	Results	Units	Report Limit	Dilution	Analyzed	CAS No.	Ftnote	Reg Limi
GC Volatiles								
GAS by Mod 8015, Water	Prep/Method: EPA 8015 Modified / EPA 8015 Modified							
Gasoline Range Organics	ND	ug/l	50.	1.0	09/26/01 15:40	WRIC		
1,4-Difluorobenzene (S)	117	%		1.0	09/26/01 15:40	WRIC		
4-Bromofluorobenzene (S)	107	%		1.0	09/26/01 15:40	WRIC 460-00-4		
SW8021 Aromatics, Water	Prep/Method: See analytical meth / EPA 8021							
Benzene	ND	ug/l	0.500	1.0	09/26/01 15:40	WRIC 71-43-2		
Ethylbenzene	ND	ug/l	0.500	1.0	09/26/01 15:40	WRIC 100-41-4		
Toluene	ND	ug/l	0.500	1.0	09/26/01 15:40	WRIC 108-88-3		
Xylene (Total)	ND	ug/l	1.50	1.0	09/26/01 15:40	WRIC 1330-20-7		
Methyl-tert-butyl ether	94.9	ug/l	0.500	1.0	09/26/01 15:40	WRIC 1634-04-4		
1,4-Difluorobenzene (S)	99	%		1.0	09/26/01 15:40	WRIC		
4-Bromofluorobenzene (S)	99	%		1.0	09/26/01 15:40	WRIC 460-00-4		

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Lab Project Number: 8523383
Client Project ID: BP Site# 11105

PARAMETER FOOTNOTES

ND Not Detected
NC Not Calculable
(S) Surrogate

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QUALITY CONTROL DATA

Lab Project Number: 8523383
Client Project ID: BP Site# 11105

QC Batch: 58347 Analysis Method: EPA 8021
QC Batch Method: See analytical meth Analysis Description: SW8021 Aromatics, Water
Associated Lab Samples: 851711502 851711506

METHOD BLANK: 851712165
Associated Lab Samples: 851711502 851711506

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Benzene	ug/l	ND	0.500	
Ethylbenzene	ug/l	ND	0.500	
Toluene	ug/l	ND	0.500	
Xylene (Total)	ug/l	ND	1.50	
Methyl-tert-butyl ether	ug/l	ND	0.500	
1,4-Difluorobenzene (S)	%	99		
4-Bromofluorobenzene (S)	%	97		

LABORATORY CONTROL SAMPLE: 851712168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Benzene	ug/l	50	44.78	90	
Ethylbenzene	ug/l	50	52.36	105	
Toluene	ug/l	50	49.80	100	
Xylene (Total)	ug/l	100	106.7	107	
Methyl-tert-butyl ether	ug/l	50	44.77	90	
1,4-Difluorobenzene (S)				102	
4-Bromofluorobenzene (S)				98	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851712230 851712231

Parameter	Units	501257018 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Benzene	ug/l	0	50.00	53.32	51.92	107	104	3	
Ethylbenzene	ug/l	0	50.00	51.63	50.46	103	101	2	
Toluene	ug/l	0	50.00	52.24	50.93	104	102	3	
Xylene (Total)	ug/l	0	100.00	102.0	99.93	102	100	2	

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QUALITY CONTROL DATA

Lab Project Number: 8523383
Client Project ID: BP Site# 11105

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851712230 851712231

Parameter	Units	501257018 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Methyl-tert-butyl ether	ug/l	0	50.00	53.69	53.72	107	107	0	
1,4-Difluorobenzene (S)						102	102		
4-Bromofluorobenzene (S)						99	100		

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QUALITY CONTROL DATA

Lab Project Number: 8523383
Client Project ID: BP Site# 11105

QC Batch: 58351 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 8015 Modified Analysis Description: GAS by Mod 8015, Water
Associated Lab Samples: 851711502 851711506

METHOD BLANK: 851712176
Associated Lab Samples: 851711502 851711506

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Gasoline Range Organics	ug/l	ND	50.	
1,4-Difluorobenzene (S)	%	115		
4-Bromofluorobenzene (S)	%	107		

LABORATORY CONTROL SAMPLE: 851712177

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Gasoline Range Organics	ug/l	1000	1077	108	
1,4-Difluorobenzene (S)				123	
4-Bromofluorobenzene (S)				114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851712304 851712305

Parameter	Units	851711500 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Gasoline Range Organics	ug/l	277.9	1000.00	1340	1358	106	108	1	
1,4-Difluorobenzene (S)						128	129		
4-Bromofluorobenzene (S)						116	116		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 8523383
Client Project ID: BP Site# 11105

QC Batch: 58411 Analysis Method: EPA 8021
QC Batch Method: See analytical meth Analysis Description: SW8021 Aromatics, Water
Associated Lab Samples: 851711503 851711504 851711505

METHOD BLANK: 851712453
Associated Lab Samples: 851711503 851711504 851711505

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Benzene	ug/l	ND	0.500	
Ethylbenzene	ug/l	ND	0.500	
Toluene	ug/l	ND	0.500	
Xylene (Total)	ug/l	ND	1.50	
Methyl-tert-butyl ether	ug/l	ND	0.500	
1,4-Difluorobenzene (S)	%	99		
4-Bromofluorobenzene (S)	%	97		

LABORATORY CONTROL SAMPLE: 851712454

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Benzene	ug/l	50	50.51	101	
Ethylbenzene	ug/l	50	49.86	100	
Toluene	ug/l	50	50.35	101	
Xylene (Total)	ug/l	100	100.6	101	
Methyl-tert-butyl ether	ug/l	50	50.00	100	
1,4-Difluorobenzene (S)				102	
4-Bromofluorobenzene (S)				98	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851712455 851712456

Parameter	Units	851711736 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Benzene	ug/l	0	50.00	53.45	52.35	107	105	2	
Ethylbenzene	ug/l	0	50.00	50.23	48.16	100	96	4	
Toluene	ug/l	0	50.00	51.35	49.27	103	98	4	
Xylene (Total)	ug/l	0	100.00	93.47	87.01	94	87	7	

REPORT OF LABORATORY ANALYSIS

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical™
www.pacelabs.com

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

QUALITY CONTROL DATA

Lab Project Number: 8523383
Client Project ID: BP Site# 11105

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851712455 851712456

Parameter	Units	851711736 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Methyl-tert-butyl ether	ug/l	0	50.00	51.08	52.86	102	106	3	
1,4-Difluorobenzene (S)						102	102		
4-Bromofluorobenzene (S)						97	98		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 8523383
Client Project ID: BP Site# 11105

QC Batch: 58412 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 8015 Modified Analysis Description: GAS by Mod 8015, Water
Associated Lab Samples: 851711503 851711504 851711505

METHOD BLANK: 851712457
Associated Lab Samples: 851711503 851711504 851711505

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Gasoline Range Organics	ug/l	ND	50.	
1,4-Difluorobenzene (S)	%	118		
4-Bromofluorobenzene (S)	%	106		

LABORATORY CONTROL SAMPLE: 851712458

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Gasoline Range Organics	ug/l	1000	1017	102	
1,4-Difluorobenzene (S)				121	
4-Bromofluorobenzene (S)				113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851712459 851712460

Parameter	Units	851711504 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Gasoline Range Organics	ug/l	340.7	1000.00	1127	1088	79	75	4	
1,4-Difluorobenzene (S)						127	127		
4-Bromofluorobenzene (S)						123	124		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA PARAMETER FOOTNOTES

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

LCS(D)Laboratory Control Sample (Duplicate)
MS(D)Matrix Spike (Duplicate)
DUP Sample Duplicate
ND Not Detected
NC Not Calculable
RPD Relative Percent Difference
(S) Surrogate

BP

CHAIN OF CUSTODY

Page 1 of 1

CONSULTANT'S NAME	CONSULTANT'S ADDRESS		
Blaine Tech Services, Inc.	1680 Rogers Ave., San Jose CA 95112		
BP SITE NUMBER: 11105	BP SITE / FACILITY ADDRESS: 3519 Castro Valley Blvd., Castro Valley		CONSULTANT PROJECT NUMBER: 010918-TJ
CONSULTANT PROJECT MANAGER: Scott Boor	PHONE NUMBER: (408) 573-0555 x 223	FAX NUMBER: (408) 573-7771	CONSULTANT CONTRACT NUMBER: J587918
BP CONTACT: Scott Hooton	BP ADDRESS: 295 SW 41st Street, Suite N, Renton WA	PHONE NUMBER: (425) 251-0689	FAX NO.: (425) 251-0736
LAB CONTACT: Pace - Paula Kirtley	LABORATORY ADDRESS: 900 Gemini Ave., Houston, TX 77058	PHONE NUMBER: (281) 488-1810	FAX NO.: (281) 488-4661
BP CONTACT REQUESTING RUSH TAT (Print BP Contact Name)	RUSH REQUESTED OF (Print Consultant Contact Name)	DATE/TIME	SHIPMENT DATE / SHIPMENT METHOD

TAT: ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☑ Standard 7 or 14 Days

ANALYSIS REQUIRED

AIRBILL NUMBER

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL)	PRESERVATIVE LAB SAMPLE #	TPH-G + BTEX / MTBE (8015M) (8020)	TPH-D (8015M)	FUEL OXYGENATES (8260)	1,2 DCA + EDB (8010)						COMMENTS
ESE-1	9-18-01	0900	WATER	3	40ml		Y									85171502
ESE-2		0915		3			Y									85171503
ESE-3		0810		3			Y									504
ESE-5		0825		3			Y									505
MW-7		0840		3			Y									506

SAMPLED BY (Please Print Name): MikeTOll

SAMPLED BY (Signature):

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY / AFFILIATION (Print Name / Signature)	DATE	TIME
MikeTOll /	9/19/01	1403	AIRBORNE EXPRESS	9/19/01	1403
Airborne	9/20/01	0845	Tracy Moody / Pace	9/20/01	0845

Field
Data
Sheets

WELL GAUGING DATA

Project # 010918-T1 Date 9-18-01 Client 11105

Site 3519 Castro Valley Rd., Castro Valley,

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	
ESE-1	2					10.30	29.23		
ESE-2	2					11.35	27.04		
ESE-3	2					11.55	29.70		
ESE-4	2					9.35	22.55		
ESE-5	2					8.05	23.71		
MW-6	2					10.25	29.39		
MW-7	2					9.80	28.77		

BP WELL MONITORING DATA SHEET

Project #: 010918-T1	Station # 11105
Sampler: MT	Date: 9-18-01
Well I.D.: ESE-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 29.23	Depth to Water: 10.30
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: ___

3.0 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 9.0 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
0849	67.0	7.5	926	3	
0853	67.0	7.4	901	6	
0857	66.8	7.3	910	9	

Did well dewater? Yes (No) Gallons actually evacuated: 9

Sampling Time: 0910 Sampling Date: 9-18-01

Sample I.D. (B~~l~~d): ESE-1 Laboratory: (Pace) Other ___

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

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

BP WELL MONITORING DATA SHEET

Project #: 010918-T1	Station # 11105
Sampler: MT	Date: 9-18-01
Well I.D.: ESE-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 27.04	Depth to Water: 11.35
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: ___

2.5	X	3	=	7.5 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
0907	66.0	7.4	1100	2.5	
0910	65.5	7.3	1070	5	
0913	65.2	7.2	1053	7.5	

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Time: 0915 Sampling Date: 9-18-01

Sample I.D. (B~~l~~d): ESE-2 Laboratory: (Pace) Other ___

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

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

BP WELL MONITORING DATA SHEET

Project #: 010918-T1	Station # 11105
Sampler: MT	Date: 9-18-01
Well I.D.: ESE-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 29.70	Depth to Water: 11.55
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: ____

2.9	X	3	=	8.7 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
0755	68.0	7.5	1060	3	
0759	67.1	7.4	1024	6	
0803	67.2	7.4	1030	8.75	

Did well dewater? Yes (No) Gallons actually evacuated: 8.75

Sampling Time: 0810 Sampling Date: 9-18-01

Sample I.D. (B[X]d): ESE-3 Laboratory: (Pace) Other____

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

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

BP WELL MONITORING DATA SHEET

Project #: 010918-T1	Station # 11105
Sampler: MT	Date: 9-18-01
Well I.D.: ESE-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 23.71	Depth to Water: 8.05
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: _____

2.5	X	3	=	7.5 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
0815	67.9	7.4	1012	2.5	
0818	67.2	7.5	1020	5	
0821	67.3	7.4	1026	7.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 7.5	
Sampling Time: 0825		Sampling Date: 9-18-01	
Sample I.D. (B~~L~~d): ESE-5		Laboratory: (Pace)	Other _____
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D		Other:	
D.O. (if req'd):	Pre-purge: ____ mg/L	Post-purge: ____	mg/L
O.R.P. (if req'd):	Pre-purge: ____ mV	Post-purge: ____	mV

BP WELL MONITORING DATA SHEET

Project #: 010918-T1	Station # 11105
Sampler: MT	Date: 9-18-01
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 28.77	Depth to Water: 9.80
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: ____

3.0	X	3	=	9.0 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
0830	68.0	7.7	997	3	
0834	67.9	7.7	982	6	
0837	69.8	7.7	995	9	

Did well dewater? Yes (No) Gallons actually evacuated: 9

Sampling Time: 0840 Sampling Date: 9-18-01

Sample I.D. (B~~L~~d): MW-7 Laboratory: (Pace) Other ____

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

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