BP OIL

ENVIRONMENTAL PROTECTION
95 MAY -3 PM 1:17

BP Oil Company
Environmental Resources Management
Building 13, Suite N
295 SW 41st Street
Renton, Washington 98055-4931
(206) 251-0667

May 1, 1995

Ms Eva Chu
Alameda County Health Care Services Agency
1131 Harbour Bay Parkway, Room 250
Alameda, CA 94502-6577

90 days to receive drpt

RE: BP OIL FACILITY #11266
1541 Park Street
Alameda, CA

Dear Ms Chu:

Attached please find our **GROUNDWATER MONITORING AND SAMPLING REPORT DATED March 24, 1995** for the above referenced facility.

If you should have any questions regarding this site, I may be reached at (206) 251-0689.

Respectfully,

Scott T. Hooton
Environmental Resources Management
Group Leader

STH:mu msword\ERM11266

cc: Mr. Eddy So, CRWQCB, San Francisco Bay Region, 2101 Webster St. Suite 500, Oakland CA 94612

Mr. Brady Nagle, Alisto Engineering Group, 1575 Treat Blvd Ste 201, Walnut Creek, CA 94598

Mr. Larry Silva, TOSCO Northwest, 601 Union Street, Suite 2500, Seattle, WA 98101

Hydro Environmental Technologies Inc., 2363 Mariner Square Drive, Ste 243, Alameda CA 94501

Site File

GROUNDWATER MONITORING AND SAMPLING REPORT

BP Oil Company Service Station No. 11266
1541 Park Street
Alameda, California

Project No. 10-050-04-003

Prepared for:

BP Oil Company
Environmental Resources Management
295 S.W. 41st Street
Building 13, Suite N
Renton, Washington

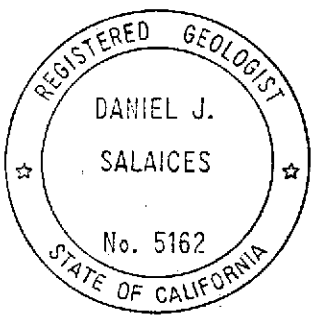
Prepared by:

Alisto Engineering Group
1777 Oakland Boulevard, Suite 200
Walnut Creek, California

March 24, 1995

William Howell
Project Manager

Daniel Salaices
Registered Geologist



GROUNDWATER MONITORING AND SAMPLING REPORT

BP Oil Company Service Station No. 11266
1541 Park Street
Alameda, California

Project No. 10-050-04-003

March 24, 1995

INTRODUCTION

This report presents the results and findings of the February 1, 1995 groundwater monitoring and sampling conducted by Alisto Engineering Group at BP Oil Company Service Station No. 11266, 1541 Park Street, Alameda, California. A site vicinity map is shown in Figure 1.

FIELD PROCEDURES

Field activities were performed in accordance with the procedures and guidelines of the Alameda County Health Care Services Agency and the California Regional Water Quality Control Board, San Francisco Bay Region.

Before purging and sampling, the groundwater level in each well was measured from a permanent mark on top of the casing to the nearest 0.01 foot using an electronic sounder. The depth to groundwater and top of casing elevation data were used to calculate the groundwater elevation in each well in reference to mean sea level. The survey data and groundwater elevation measurements collected to date are presented in Table 1.

Before sample collection, each well was purged of 3 casing volumes, while recording field readings of pH, temperature, electrical conductivity, and dissolved oxygen. Groundwater samples were collected for laboratory analysis by lowering a bottom-fill, disposable bailer to just below the water level in the well. The samples were transferred from the bailer into laboratory-supplied containers. The water sampling field survey forms are presented in Appendix A.

SAMPLING AND ANALYTICAL RESULTS

The results of monitoring and laboratory analysis of the groundwater samples for this and previous quarters are summarized in Table 1. The potentiometric groundwater elevations as interpreted from the results of this monitoring event are shown in Figure 2. The results of groundwater analysis are shown in Figure 3. The laboratory report and chain of custody record are presented in Appendix B.

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11266
1541 PARK STREET, ALAMEDA, CALIFORNIA

ALISTO PROJECT NO. 10-050

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)	DO (ppm)	LAB
MW-1	03/04/88	19.19	---	---	95000	2000	5900	1100	10000	---	---
MW-1	03/29/89	19.19	---	---	25000	930	2600	24	3100	---	---
MW-1	11/28/89	19.19	---	---	15000	280	880	340	1200	---	---
MW-1	02/13/91	19.19	---	---	25000	680	2700	1100	3200	---	---
MW-1	01/08/92	19.19	---	---	10000	260	1100	570	2000	---	---
MW-1	03/30/92	19.19	8.15	11.04	5800	290	570	500	1100	---	PACE
MW-1	07/02/92	19.19	9.38	9.81	2500	170	60	310	300	---	ANA
MW-1	07/22/92	19.19	9.62	9.57	---	---	---	---	---	---	---
MW-1	10/02/92	19.19	9.98	9.21	4000	86	190	270	350	---	ANA
QC-1 (c)	10/02/92	---	---	---	3600	89	180	270	340	---	ANA
MW-1	12/14/92	19.19	9.90	9.29	6800	75	540	200	670	---	ANA
QC-1 (c)	12/14/92	---	---	---	5900	68	480	190	600	---	ANA
MW-1	03/24/93	19.19	8.52	10.67	6400	150	310	370	710	---	PACE
MW-1	06/17/93	19.19	9.37	9.82	3800	110	160	310	480	---	PACE
MW-1	09/29/93	19.19	10.80	8.39	1100	22	16	54	110	---	PACE
MW-1	12/28/93	19.19	9.27	9.92	1800	26	110	77	300	---	PACE
MW-1	03/29/94	19.19	8.77	10.42	22000	990	560	970	2000	3.1	PACE
MW-1	07/07/94	19.19	9.18	10.01	18000	67	32	250	140	---	PACE
MW-1	10/18/94	19.19	9.85	9.34	270	1.9	0.6	ND<0.5	3.2	3.6	PACE
MW-1	02/01/95	19.19	7.04	12.15	~~5400~~	~~280~~	350	1100	980	6.5	ATI
MW-2	03/04/88	19.32	---	---	ND	ND	ND	ND	ND	---	---
MW-2	03/29/89	19.32	---	---	ND	1.1	0.78	ND	1.7	---	---
MW-2	11/28/89	19.32	---	---	170	ND	ND	ND	ND	---	---
MW-2	02/13/91	19.32	---	---	150	1.4	ND	ND	0.9	---	---
MW-2	01/08/92	19.32	---	---	ND	1.4	ND	ND	1.1	---	---
MW-2	03/30/92	19.32	9.03	10.29	91	0.7	ND	ND	ND	---	PACE
MW-2	07/02/92	19.32	9.96	9.36	150	3.1	0.6	0.6	1.1	---	ANA
MW-2	07/22/92	19.32	10.12	9.20	---	---	---	---	---	---	---
MW-2	10/02/92	19.32	10.42	8.90	56	ND<0.5	0.8	0.8	1.2	---	ANA
MW-2	12/14/92	19.32	10.77	8.55	210	1.5	ND<0.5	0.9	2.7	---	ANA
MW-2	03/24/93	19.32	9.33	9.99	94	0.8	ND<0.5	ND<0.5	0.9	---	PACE
QC-1 (c)	03/24/93	---	---	---	150	1.8	0.6	1.3	1.3	---	PACE
MW-2	06/17/93	19.32	9.91	9.41	ND<50	ND<0.5	ND<0.5	ND<0.5	0.7	---	PACE
MW-2	09/29/93	19.32	11.39	7.93	68	ND<0.5	0.9	0.7	1.9	---	PACE
MW-2	12/28/93	19.32	9.75	9.57	260	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
QC-1 (c)	12/28/93	---	---	---	240	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-2	03/29/94	19.32	9.39	9.93	150	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.9	PACE
QC-1 (c)	03/29/94	---	---	---	140	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-2	07/07/94	19.32	9.68	9.64	1100	0.6	1.7	0.6	3.2	---	PACE
MW-2	10/18/94	19.32	10.22	9.10	290	3.1	0.8	ND<0.5	5.1	3.3	PACE
MW-2	02/01/95	19.32	8.03	11.29	100	ND<0.5	ND<0.5	ND<0.5	ND<1	6.0	ATI

RW extract. off

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BP OIL COMPANY SERVICE STATION NO. 11266
1541 PARK STREET, ALAMEDA, CALIFORNIA

ALISTO PROJECT NO. 10-050

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)	DO (ppm)	LAB
MW-3	03/04/88	19.99	---	---	ND	ND	ND	ND	ND	---	---
MW-3	03/29/89	19.99	---	---	ND	ND	ND	ND	ND	---	---
MW-3	11/28/89	19.99	---	---	ND	ND	ND	ND	ND	---	---
MW-3	02/13/91	19.99	---	---	ND	ND	ND	ND	ND	---	---
MW-3	01/08/92	19.99	---	---	ND	ND	ND	ND	ND	---	---
MW-3	03/30/92	19.99	9.71	10.28	ND	ND	ND	ND	ND	---	PACE
MW-3	07/02/92	19.99	10.52	9.47	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ANA
MW-3	07/22/92	19.99	10.62	9.37	---	---	---	---	---	---	---
MW-3	10/02/92	19.99	10.86	9.13	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ANA
MW-3	12/14/92	19.99	10.53	9.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ANA
MW-3	03/24/93	19.99	9.06	10.93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-3	06/17/93	19.99	10.44	9.55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-3	09/29/93	19.99	11.06	8.93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-3	12/28/93	19.99	9.43	10.56	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-3	03/29/94	19.99	10.01	9.98	---	---	---	---	ND<0.5	---	---
MW-3	07/07/94	19.99	10.14	9.85	ND<50	ND<0.5	0.7	ND<0.5	ND<0.5	---	PACE
QC-1 (c)	07/07/94	---	---	---	ND<50	ND<0.5	0.7	ND<0.5	ND<0.5	---	PACE
MW-3	10/18/94	19.99	10.56	9.43	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.2	PACE
MW-3	02/01/95	19.99	8.98	11.01	ND<50	ND<0.5	1.0	0.5	1.9	5.9	ATI
MW-4	03/04/88	20.17	---	---	ND	ND	ND	ND	ND	---	---
MW-4	03/29/89	20.17	---	---	ND	ND	ND	ND	ND	---	---
MW-4	11/28/89	20.17	---	---	430	6.2	0.6	12	3.3	---	---
MW-4	02/13/91	20.17	---	---	ND	ND	ND	ND	ND	---	---
MW-4	01/08/92	20.17	---	---	ND	ND	ND	ND	ND	---	---
MW-4	03/30/92	20.17	8.73	11.44	ND	ND	ND	ND	ND	---	PACE
MW-4	07/02/92	20.17	10.04	10.13	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ANA
MW-4	07/22/92	20.17	10.26	9.91	---	---	---	---	---	---	---
MW-4	10/02/92	20.17	10.63	9.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ANA
MW-4	12/14/92	20.17	10.02	10.15	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ANA
MW-4	03/24/93	20.17	9.08	11.09	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-4	06/17/93	20.17	10.03	10.14	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-4	09/29/93	20.17	10.96	9.21	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-4	12/28/93	20.17	9.33	10.84	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-4	03/29/94	20.17	9.42	10.75	---	---	---	---	---	---	---
MW-4	07/07/94	20.17	9.82	10.35	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-4	10/18/94	20.17	10.36	9.81	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.1	PACE
MW-4	02/01/95	20.17	7.50	12.67	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	9.3	ATI

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BP OIL COMPANY SERVICE STATION NO. 11266
1541 PARK STREET, ALAMEDA, CALIFORNIA

ALISTO PROJECT NO. 10-050

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)	DO (ppm)	LAB
MW-5	03/04/88	19.41	---	---	ND	ND	ND	ND	ND	---	---
MW-5	03/29/89	19.41	---	---	ND	ND	ND	ND	ND	---	---
MW-5	11/28/89	19.41	---	---	ND	ND	ND	ND	ND	---	---
MW-5	02/13/91	19.41	---	---	ND	ND	ND	ND	ND	---	---
MW-5	01/08/92	19.41	---	---	ND	ND	ND	ND	ND	---	---
MW-5	03/30/92	19.41	7.85	11.56	ND	ND	ND	ND	ND	---	PACE
MW-5	07/02/92	19.41	9.27	10.14	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ANA
MW-5	07/22/92	19.41	9.55	9.86	---	---	---	---	---	---	---
MW-5	10/02/92	19.41	9.97	9.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ANA
MW-5	12/14/92	19.41	9.14	10.27	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ANA
MW-5	03/24/93	19.41	8.17	11.24	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-5	06/17/93	19.41	8.29	11.12	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
QC-1 (c)	06/17/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-5	09/29/93	19.41	10.31	9.10	ND<50	ND<0.5	ND<0.5	ND<0.5	0.6	---	PACE
MW-5	12/28/93	19.41	8.91	10.50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-5	03/29/94	19.41	8.50	10.91	---	---	---	---	---	---	---
MW-5	07/07/94	19.41	8.99	10.42	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-5	10/18/94	19.41	9.61	9.80	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.5	PACE
MW-5	02/01/95	19.41	6.55	12.86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	7.6	ATI
MW-6	03/04/88	19.40	---	---	ND	ND	ND	ND	ND	---	---
MW-6	03/29/89	19.40	---	---	ND	ND	ND	ND	ND	---	---
MW-6	11/28/89	19.40	---	---	ND	ND	ND	ND	ND	---	---
MW-6	02/13/91	19.40	---	---	ND	ND	ND	ND	ND	---	---
MW-6	01/08/92	19.40	---	---	ND	ND	ND	ND	ND	---	---
MW-6	03/30/92	19.40	8.86	10.54	ND	ND	ND	ND	ND	---	PACE
MW-6	07/02/92	19.40	9.94	9.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ANA
MW-6	07/22/92	19.40	10.10	9.30	---	---	---	---	---	---	---
MW-6	10/02/92	19.40	10.48	8.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ANA
MW-6	12/14/92	19.40	10.76	8.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ANA
MW-6	03/24/93	19.40	9.19	10.21	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-6	06/17/93	19.40	9.91	9.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-6	09/29/93	19.40	11.49	7.91	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-6	12/28/93	19.40	9.88	9.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-6	03/29/94	19.40	9.36	10.04	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.0	PACE
MW-6	07/07/94	19.40	9.75	9.65	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-6	10/18/94	19.40	10.30	9.10	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.3	PACE
MW-6	02/01/95	19.40	7.92	11.48	ND<50	ND<0.5	0.9	ND<0.5	1.1	5.4	ATI

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1541 PARK STREET, ALAMEDA, CALIFORNIA

ALISTO PROJECT NO. 10-050

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)	DO (ppm)	LAB
RW-1	07/22/92	---	9.66	—	13000	1000	3400	380	2800	---	ANA
RW-1	10/02/92	—	10.28	---	---	—	—	—	---	—	—
RW-1	12/14/92	---	23.28	—	---	---	—	—	---	---	—
RW-1	03/24/93	---	8.93	---	660	21	25	8.3	100	—	PACE
RW-1	06/17/93	---	9.66	—	850	13	1.0	15	100	---	PACE
RW-1	09/29/93	19.27	23.40	-4.13	1200	26	27	11	150	---	PACE
QC-1 (c)	09/29/93	---	—	—	1200	26	28	11	160	---	PACE
RW-1	12/28/93	19.27	9.76	9.51	3500	300	220	180	480	—	PACE
RW-1	03/29/94	19.27	8.93	10.34	12000	640	1700	450	2200	6.3	PACE
RW-1	07/07/94	19.27	9.45	9.82	7600	530	1100	380	1800	---	PACE
RW-1	10/18/94	19.27	10.11	9.16	5300	47	100	150	280	3.4	PACE
QC-1 (c)	10/18/94	---	---	---	430	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	PACE
RW-1	02/01/95	19.27	8.54	10.73	27000	2400	6100	1800	5300	4.5	ATI
QC-1 (c)	02/01/95	—	—	—	15000	1300	3300	970	2900	---	ATI
QC-2 (d)	10/02/92	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	ANA
QC-2 (d)	12/14/92	---	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ANA
QC-2 (d)	03/24/93	—	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	PACE
QC-2 (d)	06/17/93	---	---	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
QC-2 (d)	09/29/93	—	---	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
QC-2 (d)	12/28/93	—	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	PACE
QC-2 (d)	03/29/94	---	—	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	PACE
QC-2 (d)	07/07/94	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	PACE
QC-2 (d)	10/18/94	---	---	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
QC-2 (d)	02/01/95	---	---	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---	ATI

extract. sys. off

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
DO	Dissolved oxygen
ug/L	Micrograms per liter
ppm	Parts per million
—	Not measured/applicable/analyzed
ND	Not detected above reported detection limit
PACE	Pace, Inc.
ANA	Anametrix, Inc.
ATI	Analytical Technologies, Inc.

NOTES:

(a) Casing elevations surveyed to nearest 0.01 foot above mean sea level, with an assigned elevation of 22.82 feet (City datum).

(b) Groundwater elevations in feet above mean sea level.

(c) Blind duplicate.

(d) Travel blank.

SOURCE:
USGS MAP, OAKLAND EAST QUADRANGLE, CALIFORNIA. 7.5 MINUTE SERIES. 1959. PHOTOREVISED 1980.

FIGURE 1

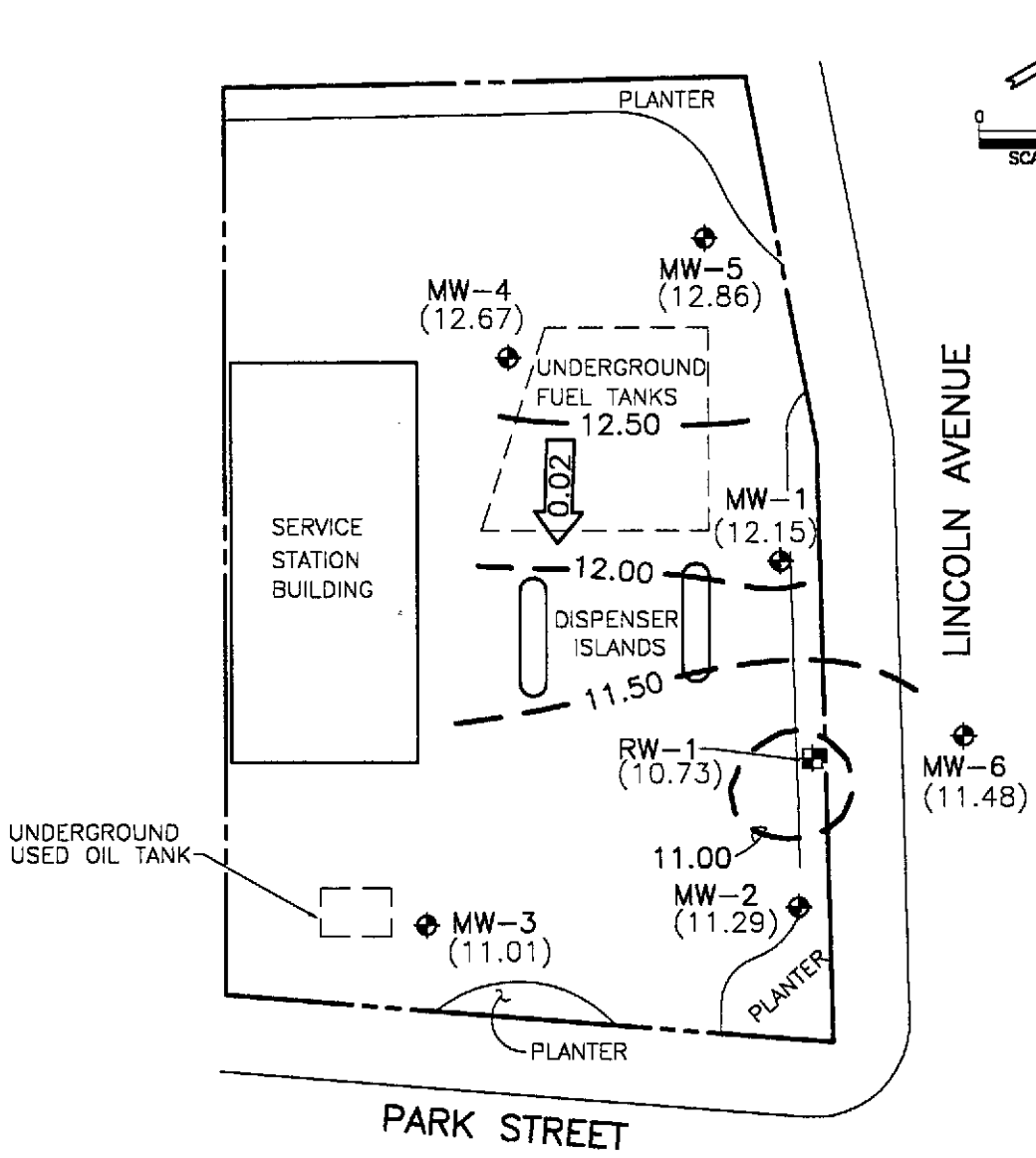
SITE VICINITY MAP

BP OIL SERVICE STATION NO. 11266
1541 PARK STREET
ALAMEDA, CALIFORNIA

PROJECT NO. 10-050

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

10050\---.DWG 8-4-93 KH 1=1



LEGEND

- ⊕ GROUNDWATER MONITORING WELL
- ⊕ GROUNDWATER RECOVERY WELL
- (10.73) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- 11.00 GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL (CONTOUR INTERVAL–0.50 FOOT)
- 0.02 CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT

FIGURE 2

POTENTIOMETRIC GROUNDWATER ELEVATION CONTOUR MAP

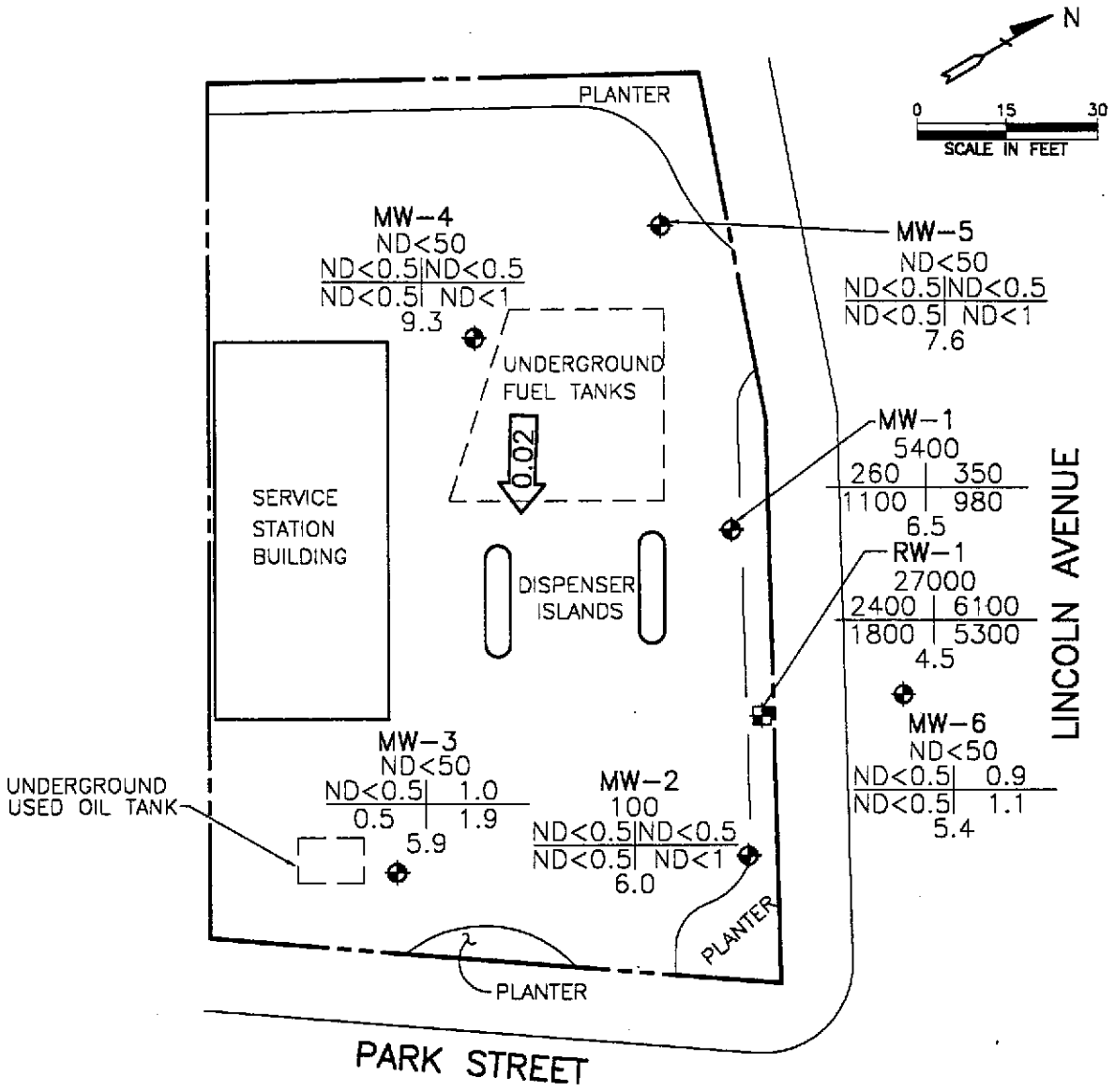
FEBRUARY 1, 1995

BP OIL SERVICE STATION NO. 11266
1541 PARK STREET
ALAMEDA, CALIFORNIA

PROJECT NO. 10–050

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

10050-M.DWG 3-13-95 RKW 1=30



LEGEND

⊕	GROUNDWATER MONITORING WELL
⊞	GROUNDWATER RECOVERY WELL
TPH-G / B | T / E | X / DO	CONCENTRATION OF CONSTITUENTS IN MICROGRAMS PER LITER, EXCEPT DISSOLVED OXYGEN, WHICH IS IN PARTS PER MILLION
TPH-G	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
DO	DISSOLVED OXYGEN
ND	NOT DETECTED ABOVE REPORTED DETECTION LIMIT
⟵ 0.02	CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT

FIGURE 3

CONCENTRATIONS OF PETROLEUM HYDROCARBONS IN GROUNDWATER

FEBRUARY 1, 1995

BP OIL SERVICE STATION NO. 11266
1541 PARK STREET
ALAMEDA, CALIFORNIA

PROJECT NO. 10-050

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

10050E-4.DWG 3-13-95 RKW 1=30

APPENDIX A

WATER SAMPLING FIELD SURVEY FORMS

ALISTO ENGINEERING GROUP

1777 OAKLAND BLVD, STE 200
WALNUT CREEK CA 94596 (510) 295-1650 FAX 295-1823

Field Report / Sampling Data Sheet

○ Groundwater Sampling

Date: 2/1/95 Project No. 10-050-04-003
Day: M T (W) Th F Facility No. 11266
Barometric pres. 760 Temp. 67°F Address 1541 Park St, Alameda, CA
SAMPLER:

Well ID	SAMPLE #	WATER / time	Well ID	SAMPLE #	WATER / time	Well ID	SAMPLE	WATER / time
MW4	S-1	7.50 / 11:52	MW1	S-6	7.04 / 12:05			
MW5	S-2	6.55 / 11:53	RW1	S-7 / S-8	8.54 / 12:08			
MW3	S-3	8.98 / 15:56	Trip blank	S-9	—			
MW2	S-4	8.03 / 11:57						
MW6	S-5	7.92 / 12:00						

FIELD INSTRUMENT CALIBRATION DATA

Ph METER _____ 4.00 _____ 7.00 ✓ 10.00 _____ TIME _____ TEMPERATURE COMPENSATED (Y) N
TURBIDI METER _____ 5.0 NTU STANDARD _____ OTHER _____
CONDUCTIVITY METER _____ 10,000 ✓ OTHER _____

Well ID	Depth to Water	Diam	Cap/Lock	Depth to prod.	Iridescence
MW4	7.50	2"	OK	None	Y (N)

Total Depth - Water Level = x Well Vol. Factor = x#vol. to Purge = PurgeVol.
19.59 - 7.50 = 12.09 x 0.16 = 1.93 x 3 = 5.80 gal
Purge Method: OSurface Pump ODisp.Tube OWinch ⊗Disp. Bailer(s) / OSys Port
Comments:

Gal.	Time	Temp °F	pH	E.C.	D.O.
2	12:51	77.5	6.59	630	8.7
3	12:56	74.3	6.36	570	6.5
5	1:00	72.8	6.09	540	9.3

○ EPA 601 ____
⊗ TPH-G/BTEX Hcl
○ TPH Diesel ____
○ TOG 5520 ____
Time/Sample 3:55 / S-1

Well ID	Depth to Water	Diam	Cap/Lock	Depth to prod.	Iridescence
MW5	6.55	2"	OK	None	Y (N)

Total Depth - Water Level = x Well Vol. Factor = x#vol. to Purge = PurgeVol.
19.92 - 6.55 = 13.37 x 0.16 = 2.13 x 3 = 6.4 gal
Purge Method: OSurface Pump ODisp.Tube OWinch ⊗Disp. Bailer(s) / OSys Port
Comments:

Gal.	Time	Temp °F	pH	E.C.	D.O.
2	1:12	72.8	6.05	998	9.0
4	1:14	71.3	5.89	1080	8.2
5	1:18	70.2	6.04	1040	7.6

○ EPA 601 ____
⊗ TPH-G/BTEX Hcl
○ TPH Diesel ____
○ TOG 5520 ____
Time/ Sample 4:00 / S-2

Well ID	Depth to Water	Diam	Cap/Lock	Depth to prod.	Iridescence
MW3	8.98	2"	OK	None	Y (N)

Total Depth - Water Level = x Well Vol. Factor = x#vol. to Purge = PurgeVol.
19.59 - 8.98 = 10.61 x 0.16 = 1.69 x 3 = 5.1 gal
Purge Method: OSurface Pump ODisp.Tube OWinch ⊗Disp. Bailer(s) / OSys Port
Comments:

Gal.	Time	Temp °F	pH	E.C.	D.O.
2	1:24	69.2	6.00	670	5.0
4	1:26	69.3	6.06	810	5.8
5	1:28	69.2	6.29	810	5.9

○ EPA 601 ____
⊗ TPH-G/BTEX Hcl
○ TPH Diesel ____
○ TOG 5520 ____
Time /Sample 4:10 / S-3

PAGE ____ of ____

ALISTO

ENGINEERING
GROUP
1777 OAKLAND BLVD, STE 200
WALNUT CREEK CA 94596 (510) 295-1650 FAX 295-1823

Field Report / Sampling Data Sheet

Ø Groundwater Sampling

Date: 2/1/95 Project No. 10-050-04-003
Day: Weds. Station No. 11266
Weather: Mostly Sunny Address 1541 Park St. Alameda CA
SAMPLER:

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp °F	pH	E.C.	D.O.	
MW2	8.03	2"	OK	None	None		1:56	70.4	6.42	740	52	O EPA 601 ___
Total Depth - Water Level =	x Well Vol. Factor =	x #vol. to Purge =	PurgeVol.				1:58	70.2	6.37	760	60	Ø TPH-G/BTEX HCl
21.88 - 8.03 = 13.85 x 0.16 = 2.21 x 3 = 6.7 gal							~~2:00~~					O TPH Diesel ___
Purge Method: OSurface Pump ODisp.Tube OWinch ØDisp. Bailer(s) OSye Port												O TOG 5520 ___
Comments: Well went dry before 3rd reading.												Time Sampled 4:30/5-4

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp °F	pH	E.C.	D.O.	
MW6	7.92	2"	OK	None	None	3	2:10	72.1	6.45	870	54	O EPA 601 ___
Total Depth - Water Level =	x Well Vol. Factor =	x #vol. to Purge =	PurgeVol.									Ø TPH-G/BTEX HCl
24.24 - 7.92 = 16.32 x 0.16 = 2.61 x 3 = 7.8 gal												O TPH Diesel ___
Purge Method: OSurface Pump ODisp.Tube OWinch ØDisp. Bailer(s) OSye Port												O TOG 5520 ___
Comments:												Time Sampled 4:38/5-5

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp °F	pH	E.C.	D.O.	
MW1	7.04	2"	OK	None	None	2	2:33	68.5	6.13	660	64	Ø EPA 601 ___
Total Depth - Water Level =	x Well Vol. Factor =	x #vol. to Purge =	PurgeVol.			4	2:35	67.1	6.15	700	62	Ø TPH-G/BTEX HCl
21.88 - 7.04 = 14.84 x 0.16 = 2.37 x 3 = 7.1 gal						6	2:37	66.7	6.10	700	65	O TPH Diesel ___
Purge Method: OSurface Pump ODisp.Tube OWinch ØDisp. Bailer(s) OSye Port												O TOG 5520 ___
Comments: Water Stinks of hydrocarbons.												Time Sampled 4:45/5-6

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp °F	pH	E.C.	D.O.	
RW1	8.54	6"	OK	None	None	10	2:54	66.8	6.35	520	67	Ø EPA 601 ___
Total Depth - Water Level =	x Well Vol. Factor =	x #vol. to Purge =	PurgeVol.			30	3:01	66.1	6.98	530	54	Ø TPH-G/BTEX HCl
29.54 - 8.54 = 21.00 x 1.47 = 30.87 x 3 = 92.6 gal						50	3:10	65.7	6.98	560	49	O TPH Diesel ___
Purge Method: OSurface Pump ODisp.Tube OWinch ØDisp. Bailer(s) OSye Port						70	3:22	65.1	6.98	590	48	O TOG 5520 ___
Comments: QC-1 sampled as S-8 from RW1.						90	3:38	66.4	6.88	615	45	Time Sampled 4:55/5-7 (3-8 (4:56)

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp °F	pH	E.C.	D.O.	
												O EPA 601 ___
Total Depth - Water Level =	x Well Vol. Factor =	x #vol. to Purge =	PurgeVol.									O TPH-G/BTEX ___
												O TPH Diesel ___
Purge Method: OSurface Pump ODisp.Tube OWinch ODisp. Bailer(s) OSye Port												O TOG 5520 ___
Comments:												Time Sampled

APPENDIX B

LABORATORY REPORT AND CHAIN OF CUSTODY RECORD

Analytical Technologies, Inc. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

SIGNATURE PAGE

Reviewed by: Melissa L Pope
ATI Project Manager

Client:	BP OIL COMPANY RENTON, WASHINGTON
Project Name:	BP SITE NUMBER 11266
Project Number:	10-050-04-003
Project Location:	1541 PARK ST., ALMEDA, CA
Accession Number:	502159
Project Manager:	BRADY NAGLE (ALISTO-CA), SCOTT HOOTEN (BPOIL-CA)
Sampled By:	MICHAEL J. KILLORAN

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

Analysis Report

Analysis: CA-LUFT BETX AND TPH C6-C10 RANGE

Accession:	502159
Client:	BP OIL COMPANY
Project Number:	10-050-04-003
Project Name:	BP SITE NUMBER 11266
Project Location:	1541 PARK ST., ALMEDA, CA
Department:	SEMI-VOLATILE FUELS

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 502159
Client: BP OIL COMPANY
Project Number: 10-050-04-003
Project Name: BP SITE NUMBER 11266
Project Location: 1541 PARK ST., ALMEDA, CA
Test: CA-LUFT BETX AND TPH C6-C10 RANGE
QC Level: N

Sample Number: 001 Client Sample Id: S-1
Analysis Method: 5030 / 8020 / 8015 / SW846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992
Extraction Method: N/A

Parameter:	Units:	Results:	Rpt Lmts:	Q:
BENZENE	UG/L	ND	0.5	
TOLUENE	UG/L	ND	0.5	
ETHYLBENZENE	UG/L	ND	0.5	
XYLENES (TOTAL)	UG/L	ND	1	
TOTAL PETROLEUM HYDROCARBON	MG/L	ND	0.050	
TRIFLUOROTOLUENE (PID)	%REC/SURR	83	63-135	
TRIFLUOROTOLUENE (FID)	%REC/SURR	77	63-135	
ANALYST	INITIALS	KS		

Comments:

Sample Number: 002 Client Sample Id: S-2
Analysis Method: 5030 / 8020 / 8015 / SW846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992
Extraction Method: N/A

Parameter:	Units:	Results:	Rpt Lmts:	Q:
BENZENE	UG/L	ND	0.5	
TOLUENE	UG/L	ND	0.5	
ETHYLBENZENE	UG/L	ND	0.5	
XYLENES (TOTAL)	UG/L	ND	1	
TOTAL PETROLEUM HYDROCARBON	MG/L	ND	0.050	
TRIFLUOROTOLUENE (PID)	%REC/SURR	83	63-135	
TRIFLUOROTOLUENE (FID)	%REC/SURR	76	63-135	
ANALYST	INITIALS	KS		

Comments:

Sample Number: 003 Client Sample Id: S-3
Analysis Method: 5030 / 8020 / 8015 / SW846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992
Extraction Method: N/A

Parameter:	Units:	Results:	Rpt Lmts:	Q:
BENZENE	UG/L	ND	0.5	
TOLUENE	UG/L	1.0	0.5	
ETHYLBENZENE	UG/L	0.5	0.5	
XYLENES (TOTAL)	UG/L	1.9	1	
TOTAL PETROLEUM HYDROCARBON	MG/L	ND	0.050	
TRIFLUOROTOLUENE (PID)	%REC/SURR	87	63-135	
TRIFLUOROTOLUENE (FID)	%REC/SURR	80	63-135	
ANALYST	INITIALS	KS		

Comments:

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 502159
Client: BP OIL COMPANY
Project Number: 10-050-04-003
Project Name: BP SITE NUMBER 11266
Project Location: 1541 PARK ST., ALMEDA, CA
Test: CA-LUFT BETX AND TPH C6-C10 RANGE
QC Level: N

Sample Number: 004 Client Sample Id: S-4
Analysis Method: 5030 / 8020 / 8015 / SW846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992
Extraction Method: N/A

Parameter:	Units:	Results:	Rpt Lmts:	Q:
BENZENE	UG/L	ND	0.5	
TOLUENE	UG/L	ND	0.5	
ETHYLBENZENE	UG/L	ND	0.5	
XYLENES (TOTAL)	UG/L	ND	1	
TOTAL PETROLEUM HYDROCARBON	MG/L	0.1	0.050	
TRIFLUOROTOLUENE (PID)	%REC/SURR	87	63-135	
TRIFLUOROTOLUENE (FID)	%REC/SURR	79	63-135	
ANALYST	INITIALS	KS		

Comments:

Sample Number: 005 Client Sample Id: S-5
Analysis Method: 5030 / 8020 / 8015 / SW846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992
Extraction Method: N/A

Parameter:	Units:	Results:	Rpt Lmts:	Q:
BENZENE	UG/L	ND	0.5	
TOLUENE	UG/L	0.9	0.5	
ETHYLBENZENE	UG/L	ND	0.5	
XYLENES (TOTAL)	UG/L	1.1	1	
TOTAL PETROLEUM HYDROCARBON	MG/L	ND	0.050	
TRIFLUOROTOLUENE (PID)	%REC/SURR	90	63-135	
TRIFLUOROTOLUENE (FID)	%REC/SURR	79	63-135	
ANALYST	INITIALS	KS		

Comments:

Sample Number: 006 Client Sample Id: S-6
Analysis Method: 5030 / 8020 / 8015 / SW846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992
Extraction Method: N/A

Parameter:	Units:	Results:	Rpt Lmts:	Q:
BENZENE	UG/L	260	5	
TOLUENE	UG/L	350	5	
ETHYLBENZENE	UG/L	1100	5	
XYLENES (TOTAL)	UG/L	980	10	
TOTAL PETROLEUM HYDROCARBON	MG/L	5.4	0.5	
TRIFLUOROTOLUENE (PID)	%REC/SURR	75	63-135	
TRIFLUOROTOLUENE (FID)	%REC/SURR	67	63-135	
ANALYST	INITIALS	KS		

Comments:

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 502159
Client: BP OIL COMPANY
Project Number: 10-050-04-003
Project Name: BP SITE NUMBER 11266
Project Location: 1541 PARK ST., ALMEDA, CA
Test: CA-LUFT BETX AND TPH C6-C10 RANGE
QC Level: N

Sample Number: 007 Client Sample Id: S-7
Analysis Method: 5030 / 8020 / 8015 / SW846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992
Extraction Method: N/A

Parameter:	Units:	Results:	Rpt Lmts:	Q:
BENZENE	UG/L	2400	5	
TOLUENE	UG/L	6100	5	
ETHYLBENZENE	UG/L	1800	5	
XYLENES (TOTAL)	UG/L	5300	10	
TOTAL PETROLEUM HYDROCARBON	MG/L	27	0.50	
TRIFLUOROTOLUENE (PID)	%REC/SURR	107	63-135	
TRIFLUOROTOLUENE (FID)	%REC/SURR	69	63-135	
ANALYST	INITIALS	KS		

Comments:

Sample Number: 008 Client Sample Id: S-8
Analysis Method: 5030 / 8020 / 8015 / SW846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992
Extraction Method: N/A

Parameter:	Units:	Results:	Rpt Lmts:	Q:
BENZENE	UG/L	1300	5	
TOLUENE	UG/L	3300	5	
ETHYLBENZENE	UG/L	970	5	
XYLENES (TOTAL)	UG/L	2900	10	
TOTAL PETROLEUM HYDROCARBON	MG/L	15	0.5	
TRIFLUOROTOLUENE (PID)	%REC/SURR	68	63-135	
TRIFLUOROTOLUENE (FID)	%REC/SURR	67	63-135	
ANALYST	INITIALS	KS		

Comments:

Sample Number: 009 Client Sample Id: S-9
Analysis Method: 5030 / 8020 / 8015 / SW846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992
Extraction Method: N/A

Parameter:	Units:	Results:	Rpt Lmts:	Q:
BENZENE	UG/L	ND	0.5	
TOLUENE	UG/L	ND	0.5	
ETHYLBENZENE	UG/L	ND	0.5	
XYLENES (TOTAL)	UG/L	ND	1	
TOTAL PETROLEUM HYDROCARBON	MG/L	ND	0.050	
TRIFLUOROTOLUENE (PID)	%REC/SURR	79	63-135	
TRIFLUOROTOLUENE (FID)	%REC/SURR	74	63-135	
ANALYST	INITIALS	KS		

Comments:

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 502159
Client: BP OIL COMPANY
Project Number: 10-050-04-003
Project Name: BP SITE NUMBER 11266
Project Location: 1541 PARK ST., ALMEDA, CA
Test: CA-LUFT BETX AND TPH C6-C10 RANGE
QC Level: N

Client Id:	Lab Id:	Matrix:	Date/Time Sampled:	Date Received:
S-1	001	WATER	01-FEB-95 1555	02-FEB-95
S-2	002	WATER	01-FEB-95 1600	02-FEB-95
S-3	003	WATER	01-FEB-95 1610	02-FEB-95
S-4	004	WATER	01-FEB-95 1630	02-FEB-95
S-5	005	WATER	01-FEB-95 1638	02-FEB-95
S-6	006	WATER	01-FEB-95 1645	02-FEB-95
S-7	007	WATER	01-FEB-95 1655	02-FEB-95
S-8	008	WATER	01-FEB-95 1656	02-FEB-95
S-9	009	WATER	01-FEB-95 1700	02-FEB-95

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 502159
Client: BP OIL COMPANY
Project Number: 10-050-04-003
Project Name: BP SITE NUMBER 11266
Project Location: 1541 PARK ST., ALMEDA, CA
Test: CA-LUFT BETX AND TPH C6-C10 RANGE
QC Level: N

Lab Id:	Batch Id:	Blank Id:	Dryweight %	Extraction Date:	Analysis Date:
001	GRW009	B	N/A	N/A	08-FEB-95
002	GRW009	B	N/A	N/A	08-FEB-95
003	GRW009	B	N/A	N/A	08-FEB-95
004	GRW009	B	N/A	N/A	08-FEB-95
005	GRW009	B	N/A	N/A	08-FEB-95
006	GRW009	B	N/A	N/A	09-FEB-95
007	GRW009	B	N/A	N/A	09-FEB-95
008	GRW009	B	N/A	N/A	09-FEB-95
009	GRW009	B	N/A	N/A	09-FEB-95

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"Method Report Summary"

Accession Number: 502159
Client: BP OIL COMPANY
Project Number: 10-050-04-003
Project Name: BP SITE NUMBER 11266
Project Location: 1541 PARK ST., ALMEDA, CA
Test: CA-LUFT BETX AND TPH C6-C10 RANGE

Client Sample Id:	Parameter:	Unit:	Result:
S-3	TOLUENE	UG/L	1.0
	ETHYLBENZENE	UG/L	0.5
	XYLENES (TOTAL)	UG/L	1.9
S-4	TOTAL PETROLEUM HYDROCARBON	MG/L	0.1
S-5	TOLUENE	UG/L	0.9
	XYLENES (TOTAL)	UG/L	1.1
S-6	BENZENE	UG/L	260
	TOLUENE	UG/L	350
	ETHYLBENZENE	UG/L	1100
	XYLENES (TOTAL)	UG/L	980
	TOTAL PETROLEUM HYDROCARBON	MG/L	5.4
S-7	BENZENE	UG/L	2400
	TOLUENE	UG/L	6100
	ETHYLBENZENE	UG/L	1800
	XYLENES (TOTAL)	UG/L	5300
	TOTAL PETROLEUM HYDROCARBON	MG/L	27
S-8	BENZENE	UG/L	1300
	TOLUENE	UG/L	3300
	ETHYLBENZENE	UG/L	970
	XYLENES (TOTAL)	UG/L	2900
	TOTAL PETROLEUM HYDROCARBON	MG/L	15

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

Common notation for Organic reporting

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
D = DILUTED OUT
UG = MICROGRAMS
UG/L = PARTS PER BILLION.
UG/KG = PARTS PER BILLION.
MG/M3 = MILLIGRAM PER CUBIC METER.
PPMV = PART PER MILLION BY VOLUME.
MG/KG = PARTS PER MILLION.
MG/L = PARTS PER MILLION.
< = LESS THAN DETECTION LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

ND = NOT DETECTED ABOVE REPORTING LIMIT.

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

ATI/GC/FID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME IONIZATION DETECTOR (FID).

ATI/GC/FIX
ATI GAS CHROMATOGRAPHIC METHOD FOR ANALYSIS OF FIXED GASES EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD) AND FLAME IONIZATION DETECTOR (FID).

ATI/GC/FPD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME PHOTOMETRIC DETECTOR (FPD) IN SULFUR-SPECIFIC MODE.

ATI/GC/PID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH PHOTOIONIZATION DETECTOR (PID).

ATI/GC/TCD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD).

LJT = LISA THOMASON
DGH = DARREL HALSELL
TLH = TARA HELTON
KW = KAREN WADSWORTH
MV = MONIQUE VERHEYDEN
SW = STEVE WILHITE
JMP = JACKIE PRICE
SJF = STEVE FILOROMO
PL = PAUL LESCHENSKY
RW = ROBERT WOLFE
BV = BEN VAUGHN
KS = KENDALL SMITH

5B2159

CHAIN OF CUSTODY

No. 055630 Page ____ of ____

CONSULTANT'S NAME: Alisto Engineering	ADDRESS: 1777 Oakland Blvd, Walnut Creek CA	CITY	STATE / ZIP CODE
BP SITE NUMBER: 11266	BP CORNER ADDRESS/CITY: 1541 Park St, Alameda CA		CONSULTANT PROJECT NUMBER: 10-050-04-003
CONSULTANT PROJECT MANAGER	PHONE NUMBER: (510) 295-1650	FAX NUMBER: (510) 295-1823	CONSULTANT CONTRACT NUMBER: G317931
BP CONTACT: Scott Hooton	BP ADDRESS: Renton, WA	PHONE NUMBER	FAX NO.
LAB CONTACT: Diana Spence	LABORATORY ADDRESS	PHONE NUMBER	FAX NO.
SAMPLED BY (Please Print Name): Michael J. Killoran	SAMPLED BY (Signature): Michael J. Killoran	SHIPMENT DATE	SHIPMENT METHOD

TAT: ☐ 24 Hours ☐ 48 Hours ☐ 1 Week ☒ Standard 2 Weeks

ANALYSIS REQUIRED

AIRBILL NUMBER

SAMPLE DESCRIPTION	COLLECTION DATE / TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL.)	PRESERVATIVE LAB SAMPLE #	TPH G & BTEX	COMMENTS
S-1 2/1/95	3:55	Water	2	VOA		✓	
S-2	4:00					✓	
S-3	4:10					✓	
S-4	4:30					✓	
S-5	4:38					✓	
S-6	4:45					✓	
S-7	4:55					✓	
S-8	4:56					✓	
S-9	5:00					✓	

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Michael J. Killoran	2/1/95	6:00P	David R. Barr SD	2/2/95	0857

ADDITIONAL COMMENTS: Cooler Temp 3°C

CLV-16722

Distribution: White - Original (with Data); Yellow - BP; Pink - Lab; Blue - Consultant Field Staff