BP OIL

BP Oil Company
Environmental Resources Management
Building 13, Suite N
295 SW 41st Street
Renton, Washington 98055-4931
(206) 251-0667
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July 15, 1996

3878

Ms. Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway Room 250
Oakland CA 94621

RE: BP OIL FACILITY #11132
3201 - 35th Street
Oakland, CA

Dear Ms Hugo:

Attached please find our **GROUNDWATER MONITORING AND SAMPLING REPORT DATED March 22, 1996** for the above referenced facility. Plans for the following quarter include additional groundwater monitoring and product removal.

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

Respectfully,

Scott T. Hooton
Environmental Resources Management
Corrective Action Manager

STH:sb msword\ERM11132

cc: Mr. Eddy So, California Regional Water Quality Control Board, San Francisco Bay Region, 2101 Webster St. Suite 500, Oakland CA 94612

Mr. Brady Nagle, Alisto Engineering Group, 1777 Oakland Blvd., Suite 200, Walnut Creek, CA 94596

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

Site File

GROUNDWATER MONITORING AND SAMPLING REPORT

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

Project No. 10-024-08-003

Prepared for:

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

Prepared by:

Alisto Engineering Group
1575 Treat Boulevard, Suite 201
Walnut Creek, California

March 22, 1996

Ken Simas
Project Manager

Al Sevilla, P.E.
Principal

GROUNDWATER MONITORING AND SAMPLING REPORT

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

Project No. 10-024-08-003

March 22, 1996

INTRODUCTION

This report presents the results and findings of the January 25, 1996 groundwater monitoring and sampling conducted by Alisto Engineering Group at BP Oil Company Service Station No. 11132, 3201 35th Street, Oakland, California. A site vicinity map is shown on 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 relative 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 on Figure 2. The results of groundwater analysis are shown on Figure 3. The laboratory report and chain of custody record are presented in Appendix B.

FREE PRODUCT MONITORING AND RECOVERY

Product recovery canisters have been installed in Monitoring Wells MW-1, MW-2, MW-8, MW-9, and MW-10 to recover liquid-phase product. Product thicknesses measured during this and previous monitoring events are presented in Table 1. The volume of free product recovered from the wells is presented in Table 2.

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11132
3201 35TH STREET, OAKLAND, CALIFORNIA

ALISTO PROJECT NO. 10-024

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-1	07/09/90	169.75	—	0.22	—	—	—	—	—	—	—	—	—
MW-1	12/21/90	169.75	—	0.58	—	—	—	—	—	—	—	—	—
MW-1	03/07/91	169.75	20.59	—	—	—	—	—	—	—	—	—	—
MW-1	06/27/91	169.75	—	0.18	—	—	—	—	—	—	—	—	—
MW-1	09/27/91	169.75	—	0.27	—	—	—	—	—	—	—	—	—
MW-1	12/18/91	169.75	—	0.28	—	—	—	—	—	—	—	—	—
MW-1	04/01/91	169.75	16.51	0.15	153.35	—	—	—	—	—	—	—	—
MW-1	07/03/92	169.75	22.30	0.27	147.65	—	—	—	—	—	—	—	—
MW-1	10/05/92	169.75	23.98	0.24	145.95	—	—	—	—	—	—	—	—
MW-1	01/13/93	169.75	17.03	0.24	152.90	—	—	—	—	—	—	—	—
MW-1	04/23/93	169.75	18.10	0.42	151.97	—	—	—	—	—	—	—	—
MW-1	07/12/93	169.75	22.02	0.49	148.10	—	—	—	—	—	—	—	—
MW-1	10/21/93	169.75	25.12	1.09	145.45	—	—	—	—	—	—	—	—
MW-1	01/21/94	169.75	23.02	0.76	147.30	—	—	—	—	—	—	—	—
MW-1	04/20/94	169.75	24.54	1.80	146.56	—	—	—	—	—	—	—	—
MW-1	08/01/94	169.75	24.11	0.35	145.90	—	—	—	—	—	—	—	—
MW-1	12/23/94	169.75	18.19	0.29	151.78	—	—	—	—	—	—	—	—
MW-1	01/26/95	169.75	16.25	1.10	154.33	—	—	—	—	—	—	—	—
MW-1	06/08/95	169.75	22.92	1.20	147.73	—	—	—	—	—	—	—	—
MW-1	08/22/95	169.75	24.45	0.85	145.94	—	—	—	—	—	—	—	—
MW-1	10/27/95	169.75	25.41	0.69	144.86	—	—	—	—	—	—	—	—
MW-1	01/25/96	169.75	18.20	1.40	152.60	—	—	—	—	—	—	—	—
MW-2	07/09/90	168.14	—	0.10	—	—	—	—	—	—	—	—	—
MW-2	12/21/90	168.14	—	0.48	—	—	—	—	—	—	—	—	—
MW-2	03/07/91	168.14	19.18	—	—	—	—	—	—	—	—	—	—
MW-2	06/27/91	168.14	—	0.19	—	—	—	—	—	—	—	—	—
MW-2	09/27/91	168.14	—	0.15	—	—	—	—	—	—	—	—	—
MW-2	12/18/91	168.14	—	0.36	—	—	—	—	—	—	—	—	—
MW-2	04/01/91	168.14	15.21	0.10	153.01	—	—	—	—	—	—	—	—
MW-2	07/03/92	168.14	20.93	0.03	147.23	—	—	—	—	—	—	—	—
MW-2	10/05/92	168.14	22.74	0.21	145.56	—	—	—	—	—	—	—	—
MW-2	01/13/93	168.14	15.55	0.02	152.61	—	—	—	—	—	—	—	—
MW-2	04/23/93	168.14	16.54	0.21	151.76	—	—	—	—	—	—	—	—
MW-2	07/12/93	168.14	20.46	0.06	147.73	—	—	—	—	—	—	—	—
MW-2	10/21/93	168.14	24.91	0.31	143.46	—	—	—	—	—	—	—	—
MW-2	01/21/94	168.14	21.20	—	146.94	—	—	—	—	—	—	—	—
MW-2	04/20/94	168.14	22.44	—	145.70	1800	140	370	54	290	1.7	1.7	PACE
MW-2	08/01/94	168.14	22.24	0.04	145.93	—	—	—	—	—	—	—	—
MW-2	12/23/94	168.14	16.25	0.03	151.91	—	—	—	—	—	—	—	—
MW-2	01/26/95	168.14	14.55	0.39	153.88	—	—	—	—	—	—	—	—
MW-2	06/08/95	168.14	21.18	0.43	147.28	—	—	—	—	—	—	—	—
MW-2	08/22/95	168.14	22.76	0.36	145.65	—	—	—	—	—	—	—	—
MW-2	10/27/95	168.14	23.61	0.30	144.76	—	—	—	—	—	—	—	—
MW-2	01/25/96	168.14	15.95	0.15	152.30	—	—	—	—	—	—	—	—

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11132
3201 35TH STREET, OAKLAND, CALIFORNIA

ALISTO PROJECT NO. 10-024

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-3	07/09/90	167.17	—	—	—	140	5.3	4.6	2.0	3.8	—	—	—
MW-3	12/21/90	167.17	—	—	—	0.19	100	6.0	0.9	27	—	—	—
MW-3	03/07/91	167.17	17.40	—	149.77	0.4	69	22	6.1	57	—	—	—
MW-3	06/27/91	167.17	—	—	—	380	28	26	13	46	—	—	—
MW-3	09/27/91	167.17	—	—	—	0.07	7.9	ND	0.4	1.1	—	—	—
MW-3	12/18/91	167.17	—	—	—	0.26	34	24	0.8	28	—	—	—
MW-3	04/01/91	167.17	13.69	—	153.48	ND	ND	ND	ND	ND	—	—	—
MW-3	07/03/92	167.17	19.59	—	147.58	71	9.4	0.9	5 0	13	—	—	ANA
MW-3	10/05/92	167.17	21.22	—	145.95	67	5.1	1.1	6.1	8.1	—	—	ANA
QC-1 (c)	10/05/92	—	—	—	—	ND<50	2.2	ND<0.5	1.5	2.8	—	—	ANA
MW-3	01/13/93	167.17	13.63	—	153.54	830	50	34	42	89	—	—	PACE
MW-3	04/23/93	167.17	15.02	—	152.15	ND<50	ND<0.5	ND<0.5	ND<0 5	ND<0.5	—	—	PACE
QC-1 (c)	04/23/93	—	—	—	—	ND<50	ND<0.5	ND<0 5	ND<0.5	ND<0.5	—	—	PACE
MW-3	07/12/93	167.17	19.16	—	148.01	250	12	4.2	12	16	—	—	PACE
MW-3	10/21/93	167.17	21.81	—	145.36	52	4.4	1.4	4.7	3 3	—	—	PACE
QC-1 (c)	10/21/93	—	—	—	—	65	7.4	1.0	6.9	4.2	—	—	PACE
MW-3	01/21/94	167.17	19.94	—	147.23	57	3.0	3.4	3.6	9.0	—	—	PACE
MW-3	04/20/94	167.17	20.24	—	146.93	600	26	23	33	88	—	1 8	PACE
MW-3	08/01/94	167.17	20.74	—	146 43	99	6.2	1.1	4.5	5.2	—	1.4	PACE
QC-1 (c)	08/01/94	—	—	—	—	120	7.7	1.6	5.9	6.7	—	—	PACE
MW-3	12/23/94	167.17	14.70	—	152.47	ND<50	ND<0.5	0 78	ND<0.5	ND<0.5	—	1.7	PACE
QC-1 (c)	12/23/94	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-3	01/26/95	167.17	12.89	—	154.28	190	16	0.5	35	24	—	6.6	ATI
MW-3	06/08/95	167.17	19.95	—	147.22	330	21	4.0	34	32	—	7.0	ATI
MW-3	08/22/95	167.17	21.41	—	145.76	150	14	ND<0.50	ND<0.50	1.6	—	6.6	ATI
MW-3	10/27/95	167.17	22.43	—	144.74	—	—	—	—	—	—	—	—
MW-3	10/30/95	—	—	—	—	51	2 4	ND<0.50	ND<0.50	ND<1.0	ND<5.0	6.9	ATI
MW-3	01/25/96	167.17	14.03	—	153.14	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	5.1	—	CEI
MW-4	07/09/90	170.36	—	—	—	ND	ND	ND	ND	ND	—	—	—
MW-4	12/21/90	170.36	—	—	—	ND	ND	ND	ND	0.8	—	—	—
MW-4	03/07/91	170.36	20.72	—	149 64	ND	2.2	3 8	1.5	2 8	—	—	—
MW-4	06/27/91	170.36	—	—	—	ND	6.3	1 8	0.4	1.0	—	—	—
MW-4	09/27/91	170.36	—	—	—	ND	ND	ND	ND	ND	—	—	—
MW-4	12/18/91	170 36	—	—	—	ND	ND	ND	ND	ND	—	—	—
MW-4	04/01/91	170.36	17.49	—	152.87	ND	ND	ND	ND	ND	—	—	—
MW-4	07/03/92	170.36	22.16	—	148.20	ND<50	ND<0.5	ND<0.5	ND<0 5	ND<0.5	—	—	ANA
MW-4	10/05/92	170.36	23.38	—	146.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	ANA
MW-4	01/13/93	170.36	17.58	—	152.78	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-4	04/23/93	170.36	15.72	—	154.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-4	07/12/93	170.36	21.74	—	148.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-4	10/21/93	170.36	23.84	—	146.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-4	01/21/94	170.36	22.42	—	147.94	ND<50	ND<0 5	ND<0.5	ND<0 5	ND<0.5	—	—	PACE
MW-4	04/20/94	170.36	22.66	—	147.70	ND<50	ND<0 5	ND<0.5	ND<0.5	ND<0.5	—	2.2	PACE
MW-4	08/01/94	170.36	23.01	—	147.35	ND<50	ND<0 5	ND<0.5	ND<0.5	ND<0 5	—	1.9	PACE
MW-4	12/23/94	170.36	17.03	—	153.33	—	—	—	—	—	—	—	—
MW-4	01/26/95	170.36	17.42	—	152.94	ND<50	ND<0 5	ND<0.5	ND<0.5	ND<1	—	7.5	ATI
MW-4	06/08/95	170.36	21.55	—	148.81	—	—	—	—	—	—	—	—
MW-4	08/22/95	170.36	23.47	—	146.89	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	6.4	ATI
MW-4	10/27/95	170.36	24.50	—	145.86	—	—	—	—	—	—	—	—
MW-4	01/25/96	170.36	18.74	—	151.62	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	58	—	CEI

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BP OIL COMPANY SERVICE STATION NO. 11132
3201 35TH STREET, OAKLAND, CALIFORNIA

ALISTO PROJECT NO. 10-024

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-5	07/09/90	165.14	—	—	—	280	200	210	46	290	—	—	—
MW-5	12/21/90	165.14	—	—	—	0.69	300	34	8 4	39	—	—	—
MW-5	03/07/91	165.14	16.60	—	148.54	ND	17	0.9	0.7	1.6	—	—	—
MW-5	06/27/91	165.14	—	—	—	330	120	10	12	8	—	—	—
MW-5	09/27/91	165.14	—	—	—	0.73	230	16	20	22	—	—	—
MW-5	12/18/91	165.14	—	—	—	ND	ND	ND	ND	ND	—	—	—
MW-5	04/01/91	165.14	11.99	—	153.15	800	250	54	11	60	—	—	—
MW-5	07/03/92	165.14	18.65	—	146 49	150	36	ND<0.5	ND<0.5	1.1	—	—	ANA
MW-5	10/05/92	165.14	20.32	—	144 82	270	79	4	1.7	2.9	—	—	ANA
MW-5	01/13/93	165.14	13.03	—	152.11	180	59	6 0	1.8	7.6	—	—	PACE
MW-5	04/23/93	165.14	13.51	—	151.63	8700	440	96	35	136	—	—	PACE
MW-5	07/12/93	165.14	18.06	—	147.08	250	57	2.9	2.1	6.0	—	—	PACE
MW-5	10/21/93	165.14	20.41	—	144.73	210	82	1.5	ND<0 5	1 4	—	—	PACE
MW-5	01/21/94	165.14	18.86	—	146.28	110	36	1.2	ND<0.5	0.7	—	—	PACE
MW-5	04/20/94	165.14	17.30	—	147.84	690	230	4.5	1.6	11	—	1.3	PACE
MW-5	08/01/94	165.14	17.53	—	147.61	170	44	1.6	0.9	2.7	—	0.9	PACE
MW-5	12/23/94	165.14	11.63	—	153 51	630	180	1.9	0.66	1.9	—	1.4	PACE
MW-5	01/26/95	165.14	11.25	—	153.89	160	68	ND<0.5	ND<0.5	22	—	5.9	ATI
MW-5	06/08/95	165.14	16 80	—	148 34	2000	630	58	61	180	—	6.5	ATI
QC-1 (c)	06/08/95	—	—	—	—	1700	560	51	55	170	—	—	ATI
MW-5	08/22/95	165.14	19.02	—	146.12	3700	1100	18	27	59	—	7 3	ATI
MW-5	10/27/95	165.14	20.94	—	144.20	—	—	—	—	—	—	—	—
MW-5	10/30/95	—	—	—	—	6500	2200	55	180	270	ND<250	7.5	ATI
MW-5	01/25/96	165.14	13.30	—	151.84	590	37	0.70	ND<0 50	ND<1.0	ND<5.0	—	CEI
QC-1 (c)	01/25/96	—	—	—	—	540	37	0.66	ND<0 50	ND<1.0	ND<5.0	—	CEI
MW-6	07/09/90	165.40	—	—	—	ND	ND	ND	ND	ND	—	—	—
MW-6	12/21/90	165.40	—	—	—	0.17	2.6	7.0	4.9	26	—	—	—
MW-6 (d)	03/07/91	165.40	—	—	—	—	—	—	—	—	—	—	—
MW-6 (d)	06/27/91	165.40	—	—	—	—	—	—	—	—	—	—	—
MW-6 (d)	09/27/91	165.40	—	—	—	—	—	—	—	—	—	—	—
MW-6	12/18/91	165.40	—	—	—	ND	1.3	22	ND	2.7	—	—	—
MW-6	04/01/91	165.40	11.79	—	153.61	ND	ND	ND	ND	ND	—	—	—
MW-6	07/03/92	165.40	17.77	—	147.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	ANA
MW-6	10/05/92	165.40	19.46	—	145 94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	ANA
MW-6	01/13/93	165.40	11.34	—	154.06	ND<50	ND<0 5	ND<0 5	ND<0.5	ND<0.5	—	—	PACE
MW-6	04/23/93	165.40	12.92	—	152.48	ND<50	ND<0.5	ND<0.5	ND<0 5	ND<0.5	—	—	PACE
MW-6	07/12/93	165 40	17.36	—	148.04	ND<50	ND<0.5	ND<0.5	ND<0.5	0 7	—	—	PACE
MW-6	10/21/93	165.40	19.98	—	145.42	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-6	01/21/94	165.40	18.10	—	147.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-6	04/20/94	165.40	18.68	—	146.72	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	2.0	PACE
MW-6	08/01/94	165.40	18.90	—	146 50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	1 5	PACE
MW-6	12/23/94	165.40	12.94	—	152 46	—	—	—	—	—	—	—	—
MW-6	01/26/95	165.40	10.46	—	154.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	—	7.3	ATI
MW-6	06/08/95	165 40	16.84	—	148.56	—	—	—	—	—	—	—	—
MW-6	08/22/95	165.40	19.48	—	145.92	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	6.7	ATI
MW-6	10/27/95	165.40	20.39	—	145.01	—	—	—	—	—	—	—	—
MW-6	01/25/96	165.40	12.24	—	153.16	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	9 9	—	CEI

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11132
3201 35TH STREET, OAKLAND, CALIFORNIA

ALISTO PROJECT NO. 10-024

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-7	07/09/90	167.61	—	—	—	ND	ND	ND	ND	ND	—	—	—
MW-7	12/21/90	167.61	—	—	—	ND	ND	ND	ND	ND	—	—	—
MW-7	03/07/91	167.61	19.04	—	148.57	ND	ND	0.4	0.3	2.4	—	—	—
MW-7	06/27/91	167.61	—	—	—	70	17	4	0.8	2.2	—	—	—
MW-7	09/27/91	167.61	—	—	—	ND	0.4	ND	ND	0.4	—	—	—
MW-7	12/18/91	167.61	—	—	—	ND	0.7	2.9	0.8	3.3	—	—	—
MW-7	04/01/91	167.61	15.18	—	152.43	ND	ND	ND	ND	ND	—	—	—
MW-7	07/03/92	167.61	20.28	—	147.33	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0 5	—	—	ANA
MW-7	10/05/92	167.61	21.56	—	146.05	ND<50	ND<0.5	ND<0.5	ND<0.5	1.5	—	—	ANA
MW-7	01/13/93	167.61	15.41	—	152.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-7	04/23/93	167.61	15.84	—	151.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-7	07/12/93	167.61	19.84	—	147.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-7	10/21/93	167.61	21.61	—	146.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-7	01/21/94	167.61	20.49	—	147.12	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-1 (c)	01/21/94	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-7	04/20/94	167.61	20.54	—	147.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	1.5	PACE
MW-7	08/01/94	167.61	20.99	—	146.62	ND<50	0.7	ND<0.5	ND<0.5	ND<0.5	—	1.9	PACE
MW-7	12/23/94	167.61	15.00	—	152.61	—	—	—	—	—	—	—	—
MW-7	01/26/95	167.61	14.69	—	152.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	—	7.0	ATI
MW-7	06/08/95	167 61	19.87	—	147.74	—	—	—	—	—	—	—	—
MW-7	08/22/95	167.61	21.49	—	146 12	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	6.4	ATI
MW-7	10/27/95	167.61	22.53	—	145.08	—	—	—	—	—	—	—	—
MW-7	01/25/96	167.61	17.21	—	150.40	ND<50	ND<0.50	ND<0.50	ND<0 50	ND<1.0	ND<5.0	—	CEI
MW-8	03/07/91	165.74	16.72	—	149.02	2.7	780	450	64	310	—	—	—
MW-8	06/27/91	165.74	—	—	—	12000	3400	1100	240	750	—	—	—
MW-8	09/27/91	165.74	—	—	—	41	5700	5200	1100	4300	—	—	—
MW-8	12/18/91	165.74	—	—	—	3.2	990	150	120	250	—	—	—
MW-8	04/01/91	165.74	12.54	—	153.20	15000	3600	2600	410	1900	—	—	—
MW-8	07/03/92	165.74	18.78	—	146 96	72000	19000	32000	3000	15000	—	—	ANA
MW-8	10/05/92	165.74	20.48	0.01	145.27	—	—	—	—	—	—	—	—
MW-8	01/13/93	165.74	12.87	0.01	152 88	—	—	—	—	—	—	—	—
MW-8	04/23/93	165.74	13.90	SHEEN	151.84	—	—	—	—	—	—	—	—
MW-8	07/12/93	165.74	18.30	SHEEN	147.44	—	—	—	—	—	—	—	—
MW-8	10/21/93	165.74	21.91	0.95	144.54	—	—	—	—	—	—	—	—
MW-8	01/21/94	165.74	19.12	0.03	146.64	—	—	—	—	—	—	—	—
MW-8	04/20/94	165.74	19.28	0 03	146.48	26000	1700	4100	960	4000	—	1.1	PACE
MW-8	08/01/94	165.74	—	—	—	—	—	—	—	—	—	—	—
MW-8	12/23/94	165.74	13.81	0.03	151.95	—	—	—	—	—	—	—	—
MW-8	01/26/95	165.74	—	—	—	—	—	—	—	—	—	—	—
MW-8	06/08/95	165.74	17.82	0.29	148.14	—	—	—	—	—	—	—	—
MW-8	08/22/95	165.74	19 41	0.20	146.48	—	—	—	—	—	—	—	—
MW-8	10/27/95	165 74	20.47	0.14	145.38	—	—	—	—	—	—	—	—
MW-8	01/25/96	165.74	13.35	0 22	152.56	—	—	—	—	—	—	—	—

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11132
3201 35TH STREET, OAKLAND, CALIFORNIA

ALISTO PROJECT NO. 10-024

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-9	03/07/91	166.20	16.79	---	149.41	7.1	220	4	2.4	2400	---	---	---
MW-9	06/27/91	166.20	---	---	---	3600	520	400	85	310	---	---	---
MW-9	09/27/91	166.20	---	---	---	3.2	720	150	50	180	---	---	---
MW-9	12/18/91	166.20	---	---	---	ND	2.5	1.1	0.3	5.8	---	---	---
MW-9	04/01/91	166.20	12.89	---	153.31	12000	2000	2600	360	1600	---	---	---
MW-9	07/03/92	166.20	18.89	---	147.31	5700	17000	840	230	800	---	---	ANA
MW-9	10/05/92	166.20	20.52	---	145.68	1400	440	17	14	100	---	---	ANA
MW-9	01/13/93	166.20	12.92	---	153.28	11000	1200	1700	340	1400	---	---	PACE
QC-1 (c)	01/13/93	---	---	---	0.00	11000	1200	1600	330	1300	---	---	PACE
MW-9	04/23/93	166.20	14.08	---	152.12	24000	2800	4500	730	3400	---	---	PACE
MW-9	07/12/93	166.20	18.44	---	147.76	13000	1400	1100	360	1400	---	---	PACE
QC-1 (c)	07/12/93	---	---	---	---	10000	1200	900	310	1200	---	---	PACE
MW-9	10/21/93	166.20	21.81	0.89	145.06	---	---	---	---	---	---	---	---
MW-9	01/21/94	166.20	19.28	---	146.92	---	---	---	---	---	---	---	---
MW-9	04/20/94	166.20	19.72	---	146.48	43000	2800	6800	1300	7900	---	1.7	PACE
QC-1 (c)	04/20/94	---	---	---	---	45000	2700	6800	1200	8200	---	---	PACE
MW-9	08/01/94	166.20	20.18	0.05	146.06	---	---	---	---	---	---	---	---
MW-9	12/23/94	166.20	14.22	0.02	152.00	---	---	---	---	---	---	---	---
MW-9	01/26/95	166.20	11.85	0.13	154.45	---	---	---	---	---	---	---	---
MW-9	06/08/95	166.20	18.33	0.80	148.47	---	---	---	---	---	---	---	---
MW-9	08/22/95	166.20	19.95	0.01	146.26	---	---	---	---	---	---	---	---
MW-9	10/27/95	166.20	20.88	0.01	145.33	---	---	---	---	---	---	---	---
MW-9	01/25/96	166.20	13.84	0.07	152.41	---	---	---	---	---	---	---	---
MW-10	03/07/91	167.01	18.09	---	148.92	1.6	120	190	32	230	---	---	---
MW-10	06/27/91	167.01	---	---	---	12000	7300	500	150	300	---	---	---
MW-10	09/27/91	167.01	---	---	---	57	12000	7200	1400	4600	---	---	---
MW-10	12/18/91	167.01	---	---	---	5.3	2500	120	36	79	---	---	---
MW-10	04/01/91	167.01	13.92	---	153.09	ND	ND	ND	ND	ND	---	---	---
MW-10	07/03/92	167.01	19.92	---	147.09	8600	5100	1300	180	690	---	---	ANA
MW-10	10/05/92	167.01	21.92	0.19	145.23	---	---	---	---	---	---	---	---
MW-10	01/13/93	167.01	14.43	0.03	152.60	---	---	---	---	---	---	---	---
MW-10	04/23/93	167.01	15.26	0.06	151.80	---	---	---	---	---	---	---	---
MW-10	07/12/93	167.01	19.78	0.45	147.57	---	---	---	---	---	---	---	---
MW-10	10/21/93	167.01	22.90	0.69	144.63	---	---	---	---	---	---	---	---
MW-10	01/21/94	167.01	20.25	0.06	146.81	---	---	---	---	---	---	---	---
MW-10	04/20/94	167.01	20.74	---	146.27	100000	12000	24000	2400	14000	---	1.0	PACE
MW-10	08/01/94	167.01	22.00	0.28	145.22	---	---	---	---	---	---	---	---
MW-10	12/23/94	167.01	16.08	0.25	151.12	---	---	---	---	---	---	---	---
MW-10	01/26/95	167.01	13.68	0.80	153.93	---	---	---	---	---	---	---	---
MW-10	06/08/95	167.01	19.08	0.75	148.49	---	---	---	---	---	---	---	---
MW-10	08/22/95	167.01	20.73	0.70	146.81	---	---	---	---	---	---	---	---
MW-10	10/27/95	167.01	21.69	0.63	145.79	---	---	---	---	---	---	---	---
MW-10	01/25/96	167.01	15.05	0.81	152.57	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11132
3201 35TH STREET, OAKLAND, CALIFORNIA

ALISTO PROJECT NO. 10-024

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
RW-1	07/09/90	168.01	—	1.21	—	—	—	—	—	—	—	—	—
RW-1	12/21/90	168.01	—	0.01	—	—	—	—	—	—	—	—	—
RW-1	03/07/91	168.01	17.62	SHEEN	150.39	—	—	—	—	—	—	—	—
RW-1	06/27/91	168.01	—	0.04	—	—	—	—	—	—	—	—	—
RW-1	09/27/91	168.01	—	0.02	—	—	—	—	—	—	—	—	—
RW-1	12/18/91	168.01	—	0.02	—	—	—	—	—	—	—	—	—
RW-1	04/01/91	168.01	14.40	0.11	153.69	—	—	—	—	—	—	—	—
RW-1	07/03/92	168.01	20.66	SHEEN	147.35	—	—	—	—	—	—	—	—
RW-1	10/05/92	168.01	23.34	0.08	144.73	—	—	—	—	—	—	—	—
RW-1	01/13/93	168.01	16.59	0.05	151.46	—	—	—	—	—	—	—	—
RW-1	04/23/93	168.01	16.17	0.18	151.98	—	—	—	—	—	—	—	—
RW-1	07/12/93	168.01	20.18	0.06	147.88	—	—	—	—	—	—	—	—
RW-1	10/21/93	168.01	25.70	0.56	142.73	—	—	—	—	—	—	—	—
RW-1	01/21/94	168.01	21.24	0.40	147.07	—	—	—	—	—	—	—	—
RW-1	04/20/94	168.01	32.20	—	135.81	—	—	—	—	—	—	—	—
RW-1	08/01/94	168.01	21.70	—	146.31	29000	580	950	300	7800	—	1.1	PACE
RW-1	12/23/94	168.01	16.02	—	151.99	1300	25	8.6	1.4	69	—	1.8	PACE
RW-1	01/26/95	168.01	13.78	—	154.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	—	—	ATI
QC-1 (c)	01/26/95	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	—	—	ATI
RW-1	06/08/95	168.01	20.05	—	147.96	1300	130	ND<1.0	ND<1.0	36	—	—	ATI
RW-1	08/22/95	168.01	21.74	—	146.27	3300	230	13	4.9	280	—	6.6	ATI
QC-1 (c)	08/22/95	—	—	—	—	2800	210	9.3	4.3	250	—	—	ATI
RW-1	10/27/95	168.01	32.00	—	136.01	—	—	—	—	—	—	—	—
RW-1	10/30/95	—	—	—	—	230	1.4	ND<1.0	ND<1.0	ND<2.0	650	6.9	ATI
QC-1 (c)	10/30/95	—	—	—	—	240	1.6	ND<1.0	ND<1.0	ND<2.0	630	—	ATI
RW-1	01/25/96	168.01	15.41	—	152.60	15000	3400	930	330	2500	5300	—	CEI
QC-2 (e)	10/05/92	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	ANA
QC-2 (e)	01/13/93	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (e)	04/23/93	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (e)	07/12/93	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (e)	10/21/93	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (e)	01/21/94	—	—	—	—	ND<50	ND<0.5	2.1	ND<0.5	2.1	—	—	PACE
QC-2 (e)	04/20/94	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (e)	04/20/94	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (e)	12/23/94	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	ATI
QC-2 (e)	01/26/95	—	—	—	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	—	—	ATI
QC-2 (e)	06/08/95	—	—	—	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	—	ATI
QC-2 (e)	08/22/95	—	—	—	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	—	ATI
QC-2 (e)	10/30/95	—	—	—	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	—	ATI
QC-2 (e)	01/25/96	—	—	—	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	—	CEI

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11132
3201 35TH STREET, OAKLAND, CALIFORNIA

ALISTO PROJECT NO. 10-024

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

ABBREVIATIONS:

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

NOTES:

(a)	Casing elevations surveyed to the nearest 0.01 foot relative to mean sea level.
(b)	Groundwater elevations adjusted assuming a specific gravity of 0 75 for free product.
(c)	Blind duplicate.
(d)	Inaccessible due to car parked over well.
(e)	Travel blank.

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TABLE 2 - PRODUCT REMOVAL STATUS
BP OIL COMPANY SERVICE STATION NO. 11132
3201 35TH STREET, OAKLAND, CALIFORNIA

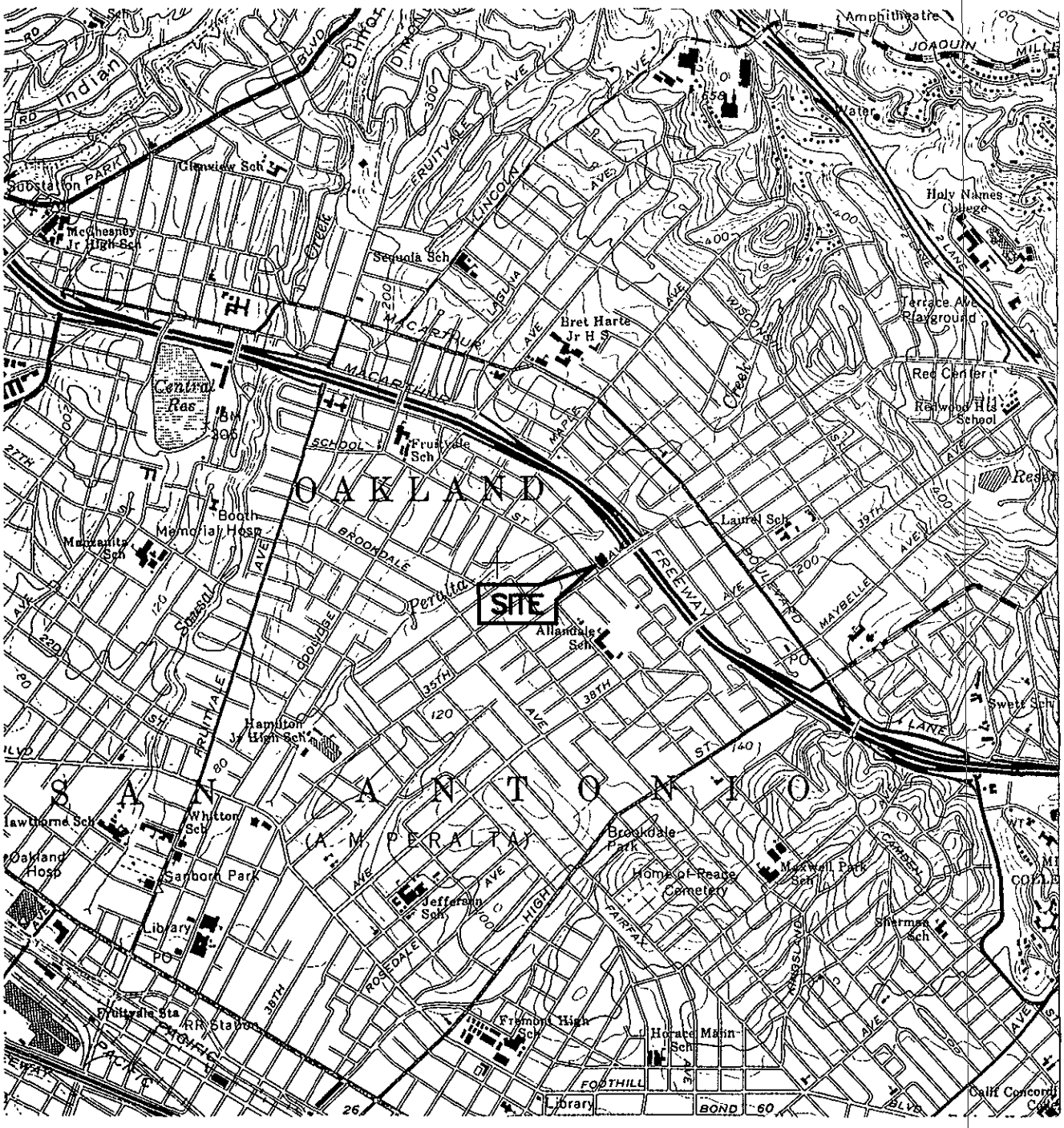
ALISTO PROJECT NO. 10-024

WELL ID	DATE	PRODUCT REMOVED (Gallons)	PRODUCT REMOVED CUMULATIVE (Gallons)
MW-1	01/26/95	3.00	3.00
	06/08/95	0.60	3.60
	06/28/95	0.10	3.70
	08/22/95	0.15	3.85
	10/30/95	0.11	3.96
	01/25/96	1.00	4.96
MW-2	09/29/93	0.10	0.10
	10/05/93	0.10	0.20
	10/14/93	0.10	0.30
	10/20/93	0.25	0.55
	11/02/93	0.10	0.65
	12/07/93	0.05	0.70
	12/17/93	<0.01	0.70
	12/23/93	0.30	1.00
	01/12/94	0.05	1.05
	02/02/94	0.01	1.06
	02/11/94	0.01	1.07
	03/18/94	<0.01	1.07
	10/26/94	0.76	1.83
	11/12/94	0.08	1.91
	12/12/94	0.03	1.94
	01/26/95	0.19	2.13
	06/08/95	Sheen	2.13
	06/28/95	0.05	2.18
	08/22/95	0.10	2.28
	10/30/95	0.05	2.33
	01/25/96	Sheen	2.33
MW-8	11/02/93	0.25	0.25
	11/10/93	0.10	0.35
	11/16/93	0.10	0.45
	11/23/93	0.10	0.55
	11/30/93	0.10	0.65
	12/17/93	<0.01	0.65
	12/23/93	<0.01	0.65
	01/12/94	0.01	0.66
	02/02/94	0.05	0.71
	02/11/94	0.08	0.79
	02/18/94	<0.01	0.79
	03/18/94	0.01	0.80
	04/27/94	<0.01	0.80
	05/27/94	<0.01	0.80
	10/26/94	0.10	0.90
	11/12/94	0.02	0.92
	12/12/94	0.01	0.93
	06/08/95	Sheen	0.93
	08/22/95	0.05	0.98
	10/30/95	0.02	1.00
	01/25/96	0.05	1.05

TABLE 2 - PRODUCT REMOVAL STATUS
BP OIL COMPANY SERVICE STATION NO. 11132
3201 35TH STREET, OAKLAND, CALIFORNIA

ALISTO PROJECT NO. 10-024

WELL ID	DATE	PRODUCT REMOVED (Gallons)	PRODUCT REMOVED CUMULATIVE (Gallons)
MW-9	11/02/93	0.10	0.10
	11/10/93	0.10	0.20
	11/16/93	0.10	0.30
	12/23/93	<0.01	0.30
	01/12/94	0.01	0.31
	01/20/93	0.05	0.36
	02/02/94	0.05	0.41
	02/11/94	0.01	0.42
	02/18/94	<0.01	0.42
	03/18/94	0.10	0.52
	10/26/94	0.15	0.67
	11/12/94	<0.01	0.67
	12/12/94	<0.01	0.67
	01/26/95	0.10	0.77
	06/28/95	<0.01	0.77
	08/22/95	<0.01	0.77
	10/30/95	<0.01	0.77
	01/25/96	<0.01	0.77
MW-10	09/07/93	0.10	0.10
	09/14/93	0.10	0.20
	09/29/93	0.10	0.30
	10/05/93	1.60	1.90
	10/14/93	2.10	4.00
	10/20/93	1.00	5.00
	10/27/93	1.00	6.00
	11/02/93	0.30	6.30
	11/10/93	0.20	6.50
	11/16/93	0.10	6.60
	11/23/93	0.10	6.70
	11/30/93	0.30	7.00
	12/07/93	0.20	7.20
	12/17/93	0.30	7.50
	12/23/93	<0.01	7.50
	01/04/94	0.01	7.51
	01/12/94	0.01	7.52
	01/20/94	0.20	7.72
	02/02/94	0.01	7.73
	02/11/94	0.01	7.74
	02/18/94	0.20	7.94
	05/27/94	<0.01	7.94
	10/26/94	0.60	8.54
	11/12/94	0.43	8.97
	12/12/94	0.26	9.23
	01/26/95	0.13	9.36
	06/28/95	0.10	9.46
	08/22/95	0.15	9.61
	10/30/95	0.10	9.71
	01/25/96	0.25	9.96



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

N

0 1000' 2000'

FIGURE 1

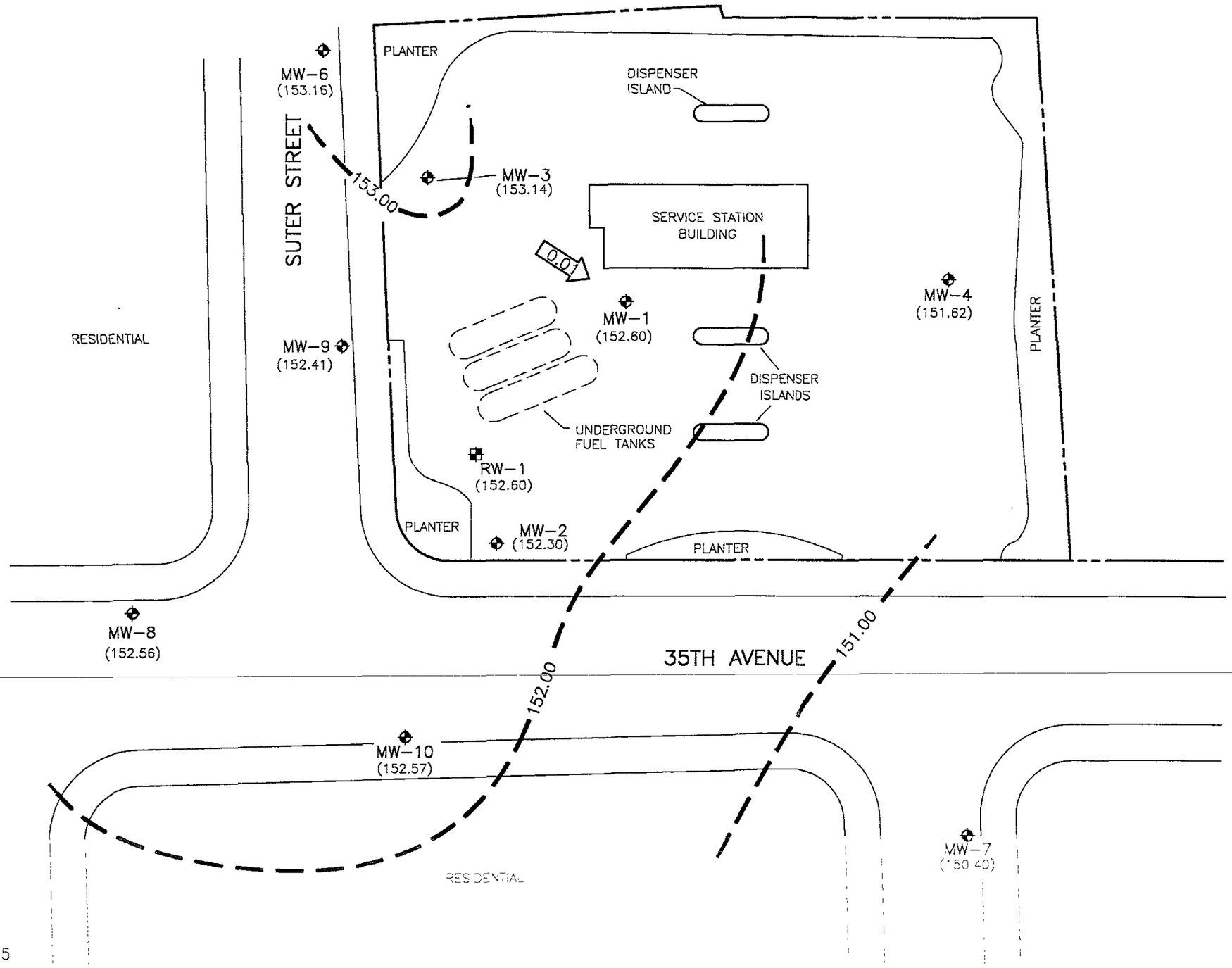
SITE VICINITY MAP

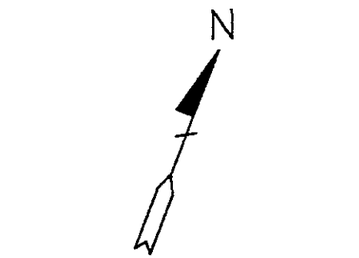
BP OIL SERVICE STATION NO. 11132
3201 35TH STREET
OAKLAND, CALIFORNIA

PROJECT NO. 10-024

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

10024B---DWG 2-28-94 RXW 1-1





LEGEND

- GROUNDWATER MONITORING WELL
- GROUNDWATER RECOVERY WELL
- (150.40) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- 151.00 GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL (CONTOUR INTERVAL–1.00 FOOT)
- 0.01 CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT

FIGURE 2

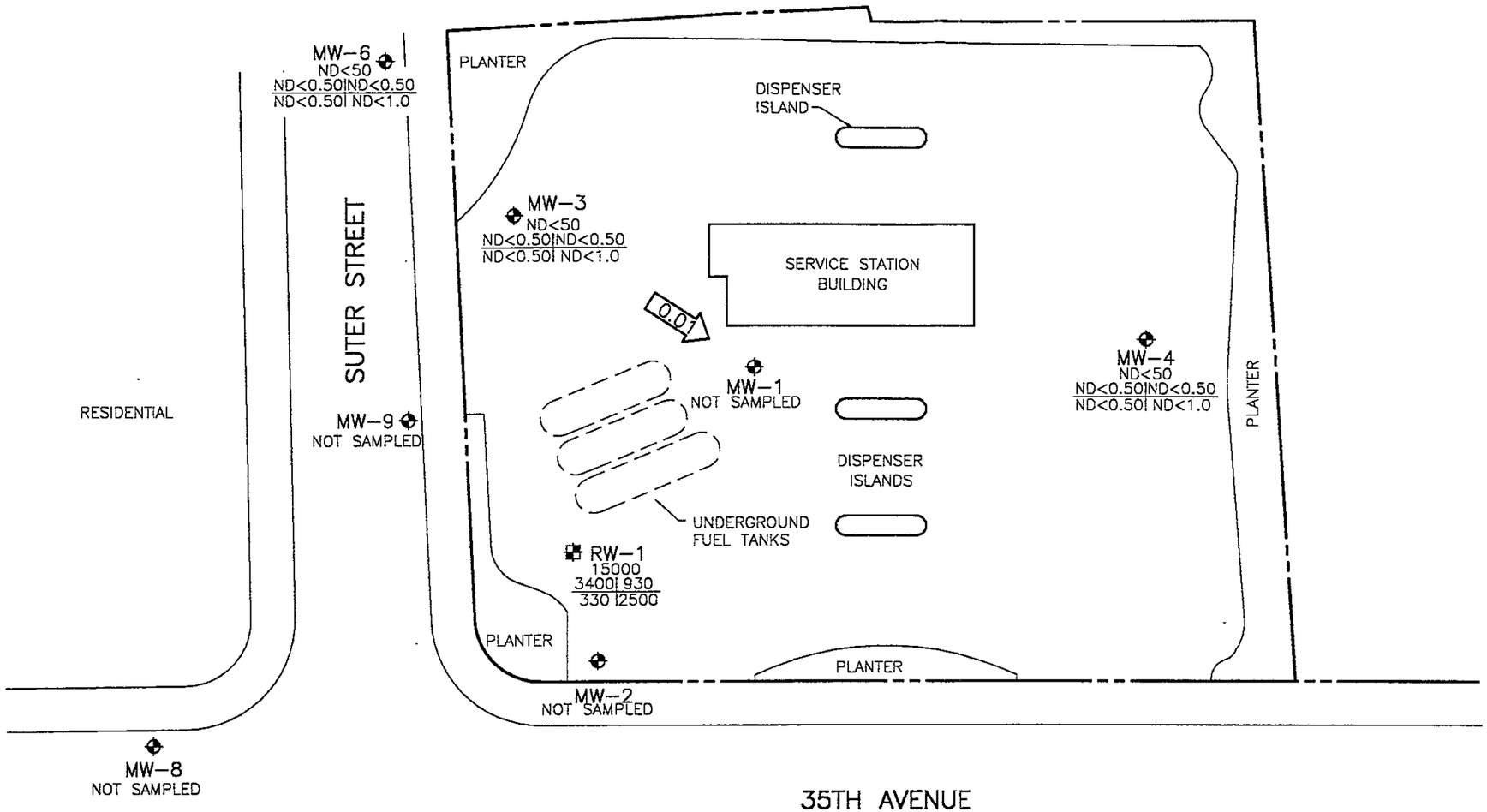
POTENTIOMETRIC GROUNDWATER ELEVATION CONTOUR MAP

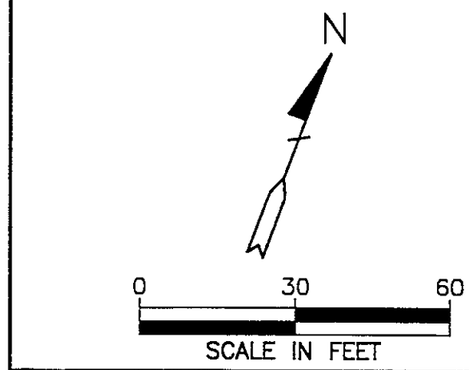
JANUARY 25, 1996

BP OIL SERVICE STATION NO. 11132
3201 35TH STREET
OAKLAND, CALIFORNIA

PROJECT NO. 10–024

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA





LEGEND

◆	GROUNDWATER MONITORING WELL
◆	GROUNDWATER RECOVERY WELL
TPH-G / B | T / E | X	CONCENTRATION OF CONSTITUENTS IN MICROGRAMS PER LITER
TPH-G	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
ND	NOT DETECTED ABOVE REPORTED DETECTION LIMIT
0.01	CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT

FIGURE 3

CONCENTRATIONS OF PETROLEUM HYDROCARBONS IN GROUNDWATER

JANUARY 25, 1996

BP OIL SERVICE STATION NO. 11132
3201 35TH STREET
OAKLAND, CALIFORNIA

PROJECT NO. 10-024

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

APPENDIX A

WATER SAMPLING FIELD SURVEY FORMS

ALISTO

Field Report / Sampling Data Sheet

ENGINEERING
GROUP
1575 TREAT BOULEVARD, SUITE 201

Project No. 10-024-08-003 Date: 1/25/96
Address 3201 35th Street Day: M T W (TH) F
Contract No. G602109 City: Oakland
Station No. BP 11132 Sampler: DC

DEPTH TO GROUNDWATER SUMMARY

WELL ID	SAMPLE ID	WELL DIAM	TOTAL DEPTH	DEPTH TO WATER	PRODUCT THICKNESS	TIME SAMPLED	COMMENTS:
MW-1	not	2"	Nm	18.20	1.40'	1315	PPRS had .10 gall water w/sheen; bailed 3 gall ≅ 1 gall was product
MW-2	not	↓	↓	15.95	0.15'	1304	PPRS had < 0.01 gall of product, no water, bailed 1/4 gall only a sheen present
MW-3	5-4	2"	34.58	14.03	ϕ	1221	
MW-4	SEMI 5-1	2"	38.74	18.74		1201	
MW-5	5-6	2"	30.88	13.30		1237	
MW-6	SEMI 5-2	2"	34.56	12.24		1207	
MW-7	SEMI 5-3	2"	34.49	17.21	↓	1215	
MW-8	not	2"	Nm	13.35	0.22	1309	bailed 1/2 gall of H2O ≅ 0.05 gall was product
MW-9	not	↓	↓	13.84	0.07	1240	PPRS had .10 gall of H2O w/sheen; bailed 1/4 < 0.01 gall was product
MW-10	not	↓	↓	15.05	0.81	1312	PPRS had .10 gall of product; bailed 2 gall of H2O ≅ 1/4 gall was product
RW-1	5-5	4"	38.41	15.41	ϕ	1230	

FIELD INSTRUMENT CALIBRATION DATA

pH METER Jim 4.00 ✓ 7.00 ✓ 10.00 ✓ TEMPERATURE COMPENSATED (Y) N TIME 1315

D.O. METER _____ ZERO d.O. SOLUTION _____ BAROMETRIC PRESSURE _____ TEMP _____ WEATHER Sunny, Cool

CONDUCTIVITY METER Jim 10,000 ✓ TURBIDITY METER _____ 5.0 NTU _____ OTHER _____

Well ID	Depth to Water	Diam	Cap/Lock	Product Dept	Iridescence	Gal.	Time	Temp *F	pH	E.C.	D.O.
MW-4	18.74	2"	OL	ϕ	Y (N)	3	1322	66.2	8.00	852 MS	
						6	1327	66.2	7.98	522 MS	
						9.75	1331	66.3	7.97	529 MS	

Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge PurgeVol.
38.74 - 18.74 = 20.00 x .16 = 3.2 x 3 = 9.60

Purge Method: (X) Surface Pump ODisp.Tube OWinch ODisp. Bailer(s)___ OSys Port

Comments:

O EPA 601_____
(X) TPH-G/BTEX Jim
O TPH Diesel____
O TOG 5520 ___
TIME/SAMPLE ID
1336 /S-1

Well ID	Depth to Water	Diam	Cap/Lock	Product Dept	Iridescence	Gal.	Time	Temp *F	pH	E.C.	D.O.
MW-6	12.24	2"	OL	ϕ	Y (N)	4	1342	64.0	7.84	485 MS	
						8	1349	65.2	7.92	479 MS	
						11	1354	65.7	7.97	482 MS	

Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge PurgeVol.
34.56 - 12.24 = 22.32 x .16 = 3.57 x 3 = 10.72

Purge Method: (X) Surface Pump ODisp.Tube OWinch ODisp. Bailer(s)___ OSys Port

Comments:

O EPA 601_____
(X) TPH-G/BTEX Jim
O TPH Diesel____
O TOG 5520 ___
TIME/SAMPLE ID
1400 /S-2

ALISTO

Field Report / Sampling Data Sheet

ENGINEERING
GROUP
1575 TREAT BOULEVARD, SUITE 201
WALNUT CREEK CA 94598 (510) 295-1650 FAX 295-1823

Project No. 10-024-08-003
Address 3201 35th Street
Contract No. G602109
Station No. BP 11132
Sampler:
Date: 1/25/96
Day: M T W TH F
City: Oakland

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Iridescence
MW-7	17.21	2"	OK	Φ	Y (N)

Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge PurgeVol.
34.49 - 17.21 = 17.28 x .16 = 2.76 x 3 = 8.29

Purge Method: (X) Surface Pump ODisp.Tube OWinch ODisp. Bailer(s)___ OSys Port

Comments: bailed out box; cap wasn't tight enough because water in box was bubbling

Gal.	Time	Temp °F	pH	E.C.	D.O.
3	1410	65.2	7.71	471 ms	
6	1417	64.9	7.65	469 ms	
8.5	1424	64.3	7.59	467 ms	

O EPA 601___ (X) TPH-G/BTEX ___ O TPH Diesel___ O TOG 5520 ___

TIME/SAMPLE ID: 1430 / S-3

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Iridescence
MW-3	14.03	2"	OK	Φ	Y (N)

Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge PurgeVol.
34.58 - 14.03 = 20.55 x .16 = 3.29 x 3 = 9.86

Purge Method: (X) Surface Pump ODisp.Tube OWinch ODisp. Bailer(s)___ OSys Port

Comments:

Gal.	Time	Temp °F	pH	E.C.	D.O.
4	1434	60.3	8.04	527 ms	
8	1437	64.1	7.64	433 ms	
10	1443	64.1	7.61	428 ms	

O EPA 601___ (X) TPH-G/BTEX ___ O TPH Diesel___ O TOG 5520 ___

TIME/SAMPLE ID: 1450 / S-4

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Iridescence
RW-1	15.41	4"	OK	Φ	Y (N)

Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge PurgeVol.
38.41 - 15.41 = 23 x .65 = 14.95 x 3 = 44.85

Purge Method: (X) Surface Pump ODisp.Tube OWinch ODisp. Bailer(s)___ OSys Port

Comments: well not pumping; System not operating

Gal.	Time	Temp °F	pH	E.C.	D.O.
15	1459	68.0	7.83	921 ms	
30	1506	66.2	7.61	910 ms	
45	1512	65.7	7.54	902 ms	

O EPA 601___ (X) TPH-G/BTEX ___ O TPH Diesel___ O TOG 5520 ___

TIME/SAMPLE ID: 1515 / S-5

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Iridescence
MW-5	13.30	2"	OK	Φ	Y (N)

Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge PurgeVol.
30.88 - 13.30 = 17.58 x .16 = 2.81 x 3 = 8.44

Purge Method: OSurface Pump ODisp.Tube OWinch ODisp. Bailer(s)___ OSys Port

Comments: QC-1 from this well (S-7)

Gal.	Time	Temp °F	pH	E.C.	D.O.
3	1526	61.2	7.62	925 ms	
6	1529	64.3	7.41	1.04 ms	
8.5	1533	64.4	7.37	1.04 ms	

O EPA 601___ (X) TPH-G/BTEX ___ O TPH Diesel___ O TOG 5520 ___

TIME/SAMPLE ID: 1535 / S-6

* DO meter is still in the repair shop; telephoned repairman 1/23/96 & he said he was waiting for the probes, that he ordered to come in; no DO readings *

APPENDIX B

LABORATORY REPORT AND CHAIN OF CUSTODY RECORD

CEIMIC
CORPORATION
(Formerly Analytical Technologies, Inc. - San Diego)

ATI I.D.: 601246

February 09, 1996

ALISTO ENGINEERING
1575 TREAT BOULEVARD, SUITE 201
WALNUT CREEK, CA 94598

Project Name: BP SITE #11132/3201 35TH ST, OAKLAND CA
Project # : G602109/10-024-08-003

Attention: BILL HOWELL

Analytical Technologies, Inc. has received the following sample(s):

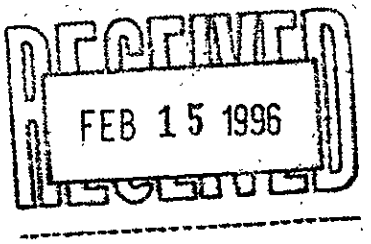
Date Received	Quantity	Matrix
January 27, 1996	8	WATER

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in the enclosed analytical schedule. The symbol for "less than" indicates a value below the reportable detection limit. If any flags appear next to the analytical data in this report, please see the attached list of flag definitions.

The results of these analyses and the quality control data are enclosed. Please note that the Sample Condition Upon Receipt Checklist is included at the end of this report.

BHARAT VANDRA
PROJECT MANAGER

MIGUEL MUZZIO
LABORATORY MANAGER



5550 Morehouse Drive, San Diego, CA. 92121 ● Telephone: (619) 458-9141 ● FAX: (619) 558-2389

SAMPLE CROSS REFERENCE

Client : ALISTO ENGINEERING
Project # : G602109/10-024-08-003
Project Name: BP SITE #11132/3201 35TH ST, OAKLAND CA

Report Date: February 09, 1996
ATI I.D. : 601246

ATI #	Client Description	Matrix	Date Collected
	S-1 1336	WATER	25-JAN-96
2	S-2 1400	WATER	25-JAN-96
3	S-3 1430	WATER	25-JAN-96
4	S-4 1450	WATER	25-JAN-96
5	S-5 1515	WATER	25-JAN-96
6	S-6 1535	WATER	25-JAN-96
	S-7	WATER	25-JAN-96
	S-8	WATER	25-JAN-96

---TOTALS---

Matrix	# Samples
WATER	8

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

Client : ALISTO ENGINEERING
Project # : G602109/10-024-08-003 ATI I.D.: 601246
Project Name: BP SITE #11132/3201 35TH ST, OAKLAND CA

Analysis	Technique/Description
MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)	GC/FLAME ION./PHOTO IONIZATION DETECTOR

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING ATI I.D. : 601246
Project # : G602109/10-024-08-003
Project Name: BP SITE #11132/3201 35TH ST, OAKLAND CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	S-1 1336	WATER	25-JAN-96	N/A	06-FEB-96	1.00
2	S-2 1400	WATER	25-JAN-96	N/A	06-FEB-96	1.00
3	S-3 1430	WATER	25-JAN-96	N/A	06-FEB-96	1.00

Parameter	Units	1	2	3
METHYL T-BUTYL ETHER	UG/L	58	9.9	<5.0
BENZENE	UG/L	<0.50	<0.50	<0.50
TOLUENE	UG/L	<0.50	<0.50	<0.50
ETHYLBENZENE	UG/L	<0.50	<0.50	<0.50
XYLENES (TOTAL)	UG/L	<1.0	<1.0	<1.0
FUEL HYDROCARBONS	UG/L	<50	<50	<50
HYDROCARBON RANGE		C6-C12	C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE
SURROGATES				
TRIFLUOROTOLUENE	%	100	98	95

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING ATI I.D. : 601246
Project # : G602109/10-024-08-003
Project Name: BP SITE #11132/3201 35TH ST, OAKLAND CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	S-4 1450	WATER	25-JAN-96	N/A	06-FEB-96	1.00
5	S-5 1515	WATER	25-JAN-96	N/A	07-FEB-96	50.00
6	S-6 1535	WATER	25-JAN-96	N/A	07-FEB-96	1.00

Parameter	Units	4	5	6
METHYL T-BUTYL ETHER	UG/L	5.1	5300	<5.0
BENZENE	UG/L	<0.50	3400	37@E
TOLUENE	UG/L	<0.50	930	0.70
ETHYLBENZENE	UG/L	<0.50	330	<0.50
XYLENES (TOTAL)	UG/L	<1.0	2500	<1.0
FUEL HYDROCARBONS	UG/L	<50	15000	590
HYDROCARBON RANGE		C6-C12	C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE
SURROGATES				
TRIFLUOROTOLUENE	%	99	103	220*H

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING ATI I.D. : 601246
Project # : G602109/10-024-08-003
Project Name: BP SITE #11132/3201 35TH ST, OAKLAND CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
7	S-7	WATER	25-JAN-96	N/A	07-FEB-96	1.00
8	S-8	WATER	25-JAN-96	N/A	06-FEB-96	1.00

Parameter	Units	7	8
METHYL T-BUTYL ETHER	UG/L	<5.0	<5.0
BENZENE	UG/L	37@E	<0.50
TOLUENE	UG/L	0.66	<0.50
ETHYLBENZENE	UG/L	<0.50	<0.50
XYLENES (TOTAL)	UG/L	<1.0	<1.0
FUEL HYDROCARBONS	UG/L	540	<50
HYDROCARBON RANGE		C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE
SURROGATES			
TRIFLUOROTOLUENE	%	210*H	98

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 38015
Client : ALISTO ENGINEERING
Project # : G602109/10-024-08-003
Project Name: BP SITE #11132/3201 35TH ST, OAKLAND CA

ATI I.D. : 601246
Date Extracted: N/A
Date Analyzed : 07-FEB-96
Dil. Factor : 1.00

Parameters	Units	Results
METHYL T-BUTYL ETHER	UG/L	<5.0
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
FUEL HYDROCARBONS	UG/L	<50
HYDROCARBON RANGE		C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE
SURROGATES		
TRIFLUOROTOLUENE	%	100

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 38019
Client : ALISTO ENGINEERING
Project # : G602109/10-024-08-003
Project Name: BP SITE #11132/3201 35TH ST, OAKLAND CA

ATI I.D. : 601246
Date Extracted: N/A
Date Analyzed : 06-FEB-96
Dil. Factor : 1.00

Parameters	Units	Results
METHYL T-BUTYL ETHER	UG/L	<5.0
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
FUEL HYDROCARBONS	UG/L	<50
HYDROCARBON RANGE		C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE
SURROGATES		
TRIFLUOROTOLUENE	%	97

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
MSMSD # : 81645
Client : ALISTO ENGINEERING

Project # : G602109/10-024-08-003
Project Name: BP SITE #11132/3201 35TH ST, OAKLAND CA

ATI I.D. : 601246
Date Extracted: N/A
Date Analyzed : 06-FEB-96
Sample Matrix : WATER
REF I.D. : 601246-01

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
BENZENE	UG/L	<0.50	5.0	4.5	90	4.7	94	4
TOLUENE	UG/L	<0.50	5.0	4.6	92	4.8	96	4

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Result

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank Spike #: 61318
Client : ALISTO ENGINEERING
Project # : G602109/10-024-08-003
Project Name : BP SITE #11132/3201 35TH ST, OAKLAND CA

ATI I.D. : 601246
Date Extracted: N/A
Date Analyzed : 07-FEB-96
Sample Matrix : WATER

arameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	4.5	5.0	90
TOLUENE	UG/L	<0.50	4.6	5.0	92

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank Spike #: 61331
Client : ALISTO ENGINEERING
Project # : G602109/10-024-08-003
Project Name : BP SITE #11132/3201 35TH ST, OAKLAND CA

ATI I.D. : 601246
Date Extracted: N/A
Date Analyzed : 06-FEB-96
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	4.2	5.0	84
TOLUENE	UG/L	<0.50	4.3	5.0	86

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

CEIMIC CORPORATION
SAN DIEGO
FLAGS

ORGANICS

FLAG	MESSAGE DESCRIPTION
A	A TIC IS A SUSPECTED ALDOL-CONDENSATION PRODUCT
B	ANALYTE FOUND IN THE ASSOCIATED REAGENT BLANK
C	PESTICIDE, WHERE THE IDENTIFICATION WAS CONFIRMED BY GC/MS
CO	THESE COMPOUNDS CO-ELUTE AND ARE QUANTITATED AS ONE PEAK
D	COMPOUND IDENTIFIED IN AN ANALYSIS AT SECONDARY DILUTION
E	ANALYTE AMOUNT EXCEEDS THE CALIBRATION RANGE
J	ESTIMATED VALUE
H	QUANTIFIED AS DIESEL BUT CHROMATOGRAPHIC PATTERN DOES NOT MATCH THAT OF DIESEL
K	QUANTIFIED AS KEROSENE BUT CHROMATOGRAPHIC PATTERN DOES NOT MATCH THAT OF KEROSENE
L	QUANTIFIED AS GASOLINE BUT CHROMATOGRAPHIC PATTERN DOES NOT MATCH THAT OF GASOLINE
N	PRESUMPTIVE EVIDENCE OF A COMPOUND
P	PESTICIDE/AROCLOR TARGET ANALYTE, WHERE THERE IS GREATER THAN 25% DIFFERENCE FOR DETECTED CONCENTRATION BETWEEN 2 GC COLUMNS
TR	COMPOUND DETECTED AT AN UNQUANTIFIABLE TRACE LEVEL
U	COMPOUND WAS ANALYZED FOR BUT NOT DETECTED
X	SEE CASE NARRATIVE
Y	SEE CASE NARRATIVE
Z	SEE CASE NARRATIVE
*	OUTSIDE OF QUALITY CONTROL LIMITS
*D	COMPOUND ANALYZED FROM A SECONDARY ANALYSIS
*F	RESULT OUTSIDE OF LABORATORY QUALITY CONTROL LIMITS
*G	RESULT OUTSIDE QUALITY CONTROL LIMITS. INSUFFICIENT SAMPLE FOR RE-EXTRACTION/ANALYSIS
*H	RESULT OUTSIDE OF LIMITS DUE TO SAMPLE MATRIX INTERFERENCE
*I	BECAUSE OF NECESSARY SAMPLE DILUTION, VALUE WAS OUTSIDE QC LIMITS
*K	DUE TO THE NECESSARY DILUTION OF THE SAMPLE, RESULT WAS NOT ATTAINABLE
*L	ANALYTE IS A SUSPECTED LAB CONTAMINANT
*P	A STANDARD WAS USED TO QUANTITATE THIS VALUE
*R	DATA IS NOT USABLE
*T	SURROGATE RECOVERY IS OUTSIDE QC CONTROL LIMITS. NO CORRECTIVE ACTION INDICATED BY METHOD
*V	SAMPLE RESULT IS >4X SPIKED CONCENTRATION, THEREFORE SPIKE IS NOT DETECTABLE
*Y	RESULT NOT ATTAINABLE DUE TO SAMPLE MATRIX INTERFERENCE
@A	RESULTS OUT OF LIMITS DUE TO SAMPLE NON-HOMOGENEITY
@C	*VARIABLE MESSAGE*
@D	RESULT COULD NOT BE CONFIRMED DUE TO MATRIX INTERFERENCE ON THE CONFIRMATION COLUMN
@E	RESULT MAY BE FALSELY ELEVATED DUE TO SAMPLE MATRIX INTERFERENCE
@F	RESULT OUTSIDE OF CONTRACT SPECIFIED QUALITY CONTROL LIMITS
@G	RESULT OUTSIDE OF CONTRACT SPECIFIED ADVISORY LIMITS
@H	DETECTION LIMIT ELEVATED DUE TO MATRIX INTERFERENCE
@M	RESULT NOT CONFIRMED BY U.V. DUE TO SAMPLE MATRIX INTERFERENCE
@N	RESULT NOT CONFIRMED BY FLUORESCENCE DUE TO SAMPLE MATRIX INTERFERENCE
@P	RESULT QUANTITATED USING FLUORESCENCE ONLY DUE TO THE LOW CONCENTRATION
@Q	DETECTION LIMIT ELEVATED DUE TO LIMITED SAMPLE FOR ANALYSIS
@T	RESULT DUE TO TCLP EXTRACTION MATRIX INTERFERENCE. NO QC LIMITS HAVE BEEN ESTABLISHED
@U	SAMPLE CHROMATOGRAM DOES NOT RESEMBLE COMMON FUEL HYDROCARBON FINGERPRINTS
@Z	SAMPLE CHROMATOGRAM DOES NOT RESEMBLE A FUEL HYDROCARBON

ACCESSION #: 601246 INITIALS: L.Q

ATI-SanDiego
SAMPLE CONDITION UPON RECEIPT CHECKLIST
(FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)

1	Does this project require special handling according to NFESC Levels C, D, AFCEE or CLP protocols? If yes, complete a) and b) a) pH sample aliquoted: yes /no /na b) Either 1) Record Bottle Lot #'s: Or 2) Attach Sample Kit Request Form(s)	YES	(NO)
2	Number of Coolers Received If more than one cooler received attach Multiple Cooler Documentation Form (MCD) Indicate "see MCD"on Item 11 below		1
3	Are custody seals required for this project ?	YES	(N/A)
	a) are Custody Seals present on Cooler(s) ?	YES	(NO)
	If yes, are seals intact ?	YES	NO (NA)
	b) are Custody Seals present on the sample ?	YES	(NO)
	If yes, are seals intact ?	YES	NO (NA)
4	Is there a Chain-Of-Custody (COC)* per cooler ? if not, if a problem is found indicate which samples/test were in the affected cooler on the MCD.	(YES)	NO
5	Is the COC* complete per cooler ? Relinquished: (yes)/no Requested analysis: (yes)/no	(YES)	NO
6	Is the COC* in agreement with the samples received? # Samples: (yes)/no Sample ID's: (yes)/no Date sampled: (yes)/no Matrix: (yes)/no # containers: (yes)/no	(YES)	NO
7	Are the samples preserved correctly?	(YES)	NO
8	Is there enough sample for all the requested analyses?	(YES)	NO
9	Are all samples within holding times for the requested analyses?	(YES)	NO
10	Record cooler temperature. Contact PM if temperature is not 4°C ± 2°C.	3.5 °C	
	Is ice present in cooler?	(YES)	NO
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	(YES)	NO
12	Are samples requiring no headspace, headspace free? N/A	(YES)	NO
13	Are VOA 1st stickers required?	YES	(NO)
14	Are there special comments on the Chain of Custody which require client contact?	YES	(N/A)
15	If yes, was ATI Project Manager notified?	YES	(NO)

Describe "no" items: _____

Was client contacted? yes / no

If yes, Date: _____ Name of Person contacted:

Describe actions taken or client instructions: _____

*Or other representative documents, letters, and/or shipping memos

ATI # 601246

CHAIN OF CUSTODY

No. 061544

Page 1 of 1

CONSULTANT'S NAME	ADDRESS	CITY	STATE	ZIP CODE
Alisto Engineering	1575 Treat Blvd	Walnut Creek	CA	94598

BP SITE NUMBER	BP CORNER ADDRESS/CITY	CONSULTANT PROJECT NUMBER
11132	3201 35th St, Oakland CA	1N-024-08-003

CONSULTANT PROJECT MANAGER	PHONE NUMBER	FAX NUMBER	CONSULTANT CONTRACT NUMBER
Bill Howell	(510) 295 1650	(510) 295 1823	G 602109

BP CONTACT	BP ADDRESS	PHONE NUMBER	FAX NO.
Scott Haxton	Renton WA		

LAB CONTACT	LABORATORY ADDRESS	PHONE NUMBER	FAX NO.
ATI, Inc	San Diego CA		

SAMPLED BY (Please Print Name)	SAMPLED BY (Signature)	SHIPMENT DATE	SHIPMENT METHOD
Dan Gosnell		1/25/96	Fed-ex

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

AIRBILL NUMBER: 6680234713

ANALYSIS REQUIRED: TPH GAS BTEX MTBE

SAMPLE DESCRIPTION	COLLECTION DATE / TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL.)	PRESERVATIVE LAB SAMPLE #	TPH GAS BTEX MTBE	COMMENTS
S-1 1336	1/25/96	H2O	2	VOA	01	X	
S-2 1400					02		
S-3 1430					03		
S-4 1450					04		
S-5 1515					05		
S-6 1535					06		
S-7 -					07		
S-8 -					08		

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Alisto	1/25/96	1600	Alisto	1/25/96	1615
			/ATI	1/27-96	11:56

ADDITIONAL COMMENTS: Cooler #029 = 3.5°C

CLV-16722

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