



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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August 16, 1996

Ms. Eva Chu:
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway Room 250
Alameda CA 94502-6577

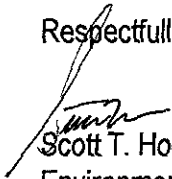
**RE: BP OIL FACILITY #11116
7194 Village Parkway
Dublin CA**

Dear Ms. Chu:

Attached please find our **GROUNDWATER MONITORING AND SAMPLING REPORT DATED AUGUST 5, 1996** for the above referenced facility. Plans for the following quarter include additional groundwater monitoring. Oxygen release compounds (ORCs) have been installed in Monitoring Well AW-6 on Feb. 26, 1996. Groundwater monitoring at the Shell Oil Co. Service station, 7194 Amador Valley Boulevard, is performed semi-annually. Groundwater monitoring and sampling data for the May 1996 event at the Unocal Corp. service station, 7375 Amador Valley Boulevard, was not available at the time this report was prepared.

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\ERM11116

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, 1575 Treat Blvd, Ste 201, Walnut Creek,
CA 94598

Mr. Paul Supple, ARCO Products Company, P.O. Box 6549, Moraga, CA 94570

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

Site File

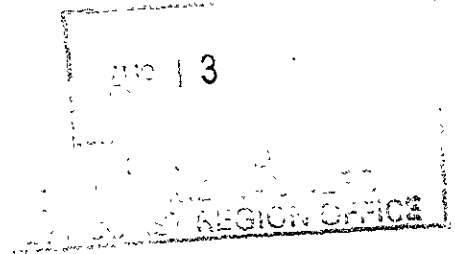
8/20/96
09:10 AM
11/11/96

MTBE in Aw-5 + Aw-6

GROUNDWATER MONITORING AND SAMPLING REPORT

BP Oil Company Service Station No. 11116
7197 Village Parkway
Dublin, California

Project No. 10-017-05-004



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

August 5, 1996

Ken Simas
Project Manager

Al Sevilla, P.E.
Principal



6/11/96 9:00 AM
6/11/96 10:00 AM
6/11/96 11:00 AM



GROUNDWATER MONITORING AND SAMPLING REPORT

BP Oil Company Service Station No. 11116
7197 Village Parkway
Dublin, California

Project No. 10-017-05-004

August 5, 1996

INTRODUCTION

This report presents the results and findings of the May 23, 1996 groundwater monitoring and sampling conducted by Alisto Engineering Group at BP Oil Company Service Station No. 11116, 7197 Village Parkway, Dublin, 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.

Groundwater monitoring was performed concurrently at the neighboring Unocal Corporation service station, 7375 Amador Valley Boulevard; and the Arco Products Company service station, 7249 Village Parkway. Monitoring data from the Unocal service station is not available at this time. The results are presented in Tables 2 and 3.

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 collected during this and previous events are summarized in Table 1. The potentiometric groundwater elevation contour map is 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.



TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
 BP OIL COMPANY SERVICE STATION NO. 11116
 7197 VILLAGE PARKWAY, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-017

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-1	10/12/90	335.17	9.92	325.25	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	ANA
MW-1	11/15/90	335.17	10.16	325.01	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-1	12/11/90	335.17	9.97	325.20	---	---	---	---	---	---	---	---	---	---	---
MW-1	02/15/91	335.17	9.89	325.28	ND<50	50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	41 (c)	---	SUP
MW-1	05/14/91	335.17	8.43	326.74	ND<50	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	7500	ND	---	SUP
MW-1	08/23/91	335.17	9.98	325.19	ND<50	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	ND	---	ANA
MW-1	11/13/91	335.17	10.09	325.08	ND<30	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	ND	---	SEQ
MW-1	02/25/92	335.17	8.28	326.89	ND<30	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	ND	---	SEQ
MW-1	04/15/92	335.17	8.50	326.67	---	---	---	---	---	---	---	---	---	---	---
MW-1	06/03/92	335.17	9.06	326.11	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	ANA
MW-1	08/12/92	335.17	10.01	325.16	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	ANA
MW-1	11/10/92	335.17	10.67	324.50	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	ANA
MW-1	02/10/93	335.17	5.25	329.92	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	PAGE
MW-1	05/21/93	335.17	5.73	329.44	---	---	---	---	---	---	---	---	---	---	---
MW-1	08/12/93	335.17	8.99	326.18	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PAGE
MW-1	11/11/93	335.17	9.65	325.52	---	---	---	---	---	---	---	---	---	---	---
MW-1	02/11/94	335.17	8.72	326.45	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	PAGE
MW-1	05/17/94	335.17	8.17	327.00	---	---	---	---	---	---	---	---	---	---	---
MW-1	06/20/94	335.17	8.37	326.80	---	---	---	---	---	---	---	---	---	---	---
MW-1	10/04/94	335.17	9.66	325.51	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	6.5	PAGE
MW-1 (d)	11/18/94	335.17	8.65	326.52	---	---	---	---	---	---	---	---	---	---	---
MW-1	02/15/95	335.17	6.56	328.61	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	ATI
MW-1	05/24/95	335.17	6.80	328.37	---	---	---	---	---	---	---	---	---	---	---
MW-1	08/29/95	335.17	8.72	326.45	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	8.7	ATI
MW-1	11/28/95	335.17	9.54	325.63	---	---	---	---	---	---	---	---	---	---	---
MW-1	02/26/96	335.17	5.60	329.57	---	---	---	---	---	---	---	---	---	---	---
MW-1	05/23/96	335.17	7.13	328.04	---	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
 BP OIL COMPANY SERVICE STATION NO. 11116
 7197 VILLAGE PARKWAY, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-017

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-2	10/12/90	334.58	9.60	324.98	93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	ANA
MW-2	11/15/90	334.58	9.68	324.90	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-2	12/11/90	334.58	9.47	325.11	---	---	---	---	---	---	---	---	---	---	---
MW-2	02/15/91	334.58	9.28	325.30	ND<50	60	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	45 (c)	---	SUP
MW-2	05/14/91	334.58	7.74	326.84	130	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	6000	ND	---	SUP
MW-2	08/23/91	334.58	9.81	324.77	ND<50	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	ND	---	ANA
MW-2	11/13/91	334.58	9.73	324.85	ND<30	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	ND	---	SEQ
MW-2	02/25/92	334.58	7.55	327.03	ND<30	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	ND	---	SEQ
MW-2	04/15/92	334.58	8.00	326.58	---	---	---	---	---	---	---	---	---	---	---
MW-2	06/03/92	334.58	8.56	326.02	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	ANA
MW-2	08/12/92	334.58	9.62	324.96	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	ANA
MW-2	11/10/92	334.58	10.27	324.31	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	ANA
MW-2	02/10/93	334.58	6.46	328.12	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
MW-2	05/21/93	334.58	6.96	327.62	---	---	---	---	---	---	---	---	---	---	---
MW-2	08/12/93	334.58	8.58	326.00	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
MW-2	11/11/93	334.58	9.28	325.30	---	---	---	---	---	---	---	---	---	---	---
MW-2	02/11/94	334.58	8.10	326.48	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
MW-2	05/17/94	334.58	7.71	326.87	---	---	---	---	---	---	---	---	---	---	---
MW-2	06/20/94	334.58	7.93	326.65	---	---	---	---	---	---	---	---	---	---	---
MW-2	10/04/94	334.58	9.27	325.31	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	5.3	PACE
MW-2 (d)	11/18/94	334.58	8.15	326.43	---	---	---	---	---	---	---	---	---	---	---
MW-2	02/15/95	334.58	5.97	328.61	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	ATI
MW-2	05/24/95	334.58	6.50	328.08	---	---	---	---	---	---	---	---	---	---	---
MW-2	08/29/95	334.58	8.35	326.23	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	8.7	ATI
MW-2	11/28/95	334.58	9.05	325.53	---	---	---	---	---	---	---	---	---	---	---
MW-2	02/26/96	334.58	4.49	330.09	---	---	---	---	---	---	---	---	---	---	---
MW-2	05/23/96	334.58	6.95	327.63	---	---	---	---	---	---	---	---	---	---	---

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 7197 VILLAGE PARKWAY, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-017

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-3	10/12/90	335.13	10.08	325.05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	ANA
MW-3	11/15/90	335.13	10.12	325.01	76	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-3	12/11/90	335.13	9.92	325.21	---	---	---	---	---	---	---	---	---	---	---
MW-3	02/15/90	335.13	9.84	325.29	ND<50	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	ND	---	SUP
MW-3	05/14/91	335.13	8.40	326.73	ND<50	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	ND	---	SUP
MW-3	08/23/91	335.13	10.27	324.86	ND<50	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	ND	---	ANA
MW-3	11/13/91	335.13	10.27	324.86	ND<30	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	ND	---	SEQ
MW-3	02/25/92	335.13	8.15	326.98	ND<30	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	ND	---	SEQ
MW-3	04/15/92	335.13	8.63	326.50	---	---	---	---	---	---	---	---	---	---	---
MW-3	06/03/92	335.13	9.18	325.95	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	ANA
MW-3	08/12/92	335.13	10.18	324.95	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	ANA
MW-3	11/10/92	335.13	10.78	324.35	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	ANA
MW-3	02/10/93	335.13	7.16	327.97	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	PACE
MW-3	05/21/93	335.13	7.69	327.44	---	---	---	---	---	---	---	---	---	---	---
MW-3	08/12/93	335.13	9.11	326.02	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
MW-3	11/11/93	335.13	9.78	325.35	---	---	---	---	---	---	---	---	---	---	---
MW-3	02/11/94	335.13	8.60	326.53	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
MW-3	05/17/94	335.13	8.34	326.79	---	---	---	---	---	---	---	---	---	---	---
MW-3	06/20/94	335.13	7.45	327.68	---	---	---	---	---	---	---	---	---	---	---
MW-3	10/04/94	335.13	9.81	325.32	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	7.5	PACE
MW-3 (d)	11/18/94	335.13	8.62	326.51	---	---	---	---	---	---	---	---	---	---	---
MW-3	02/15/95	335.13	6.61	328.52	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	ATI
MW-3	05/24/95	335.13	6.83	328.30	---	---	---	---	---	---	---	---	---	---	---
MW-3	08/29/95	335.13	8.88	326.25	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	9.1	ATI
MW-3	11/28/95	335.13	8.57	326.56	---	---	---	---	---	---	---	---	---	---	---
MW-3	02/26/96	335.13	5.15	329.98	---	---	---	---	---	---	---	---	---	---	---
MW-3	05/23/96	335.13	7.26	327.87	---	---	---	---	---	---	---	---	---	---	---

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 BP OIL COMPANY SERVICE STATION NO. 11116
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ALISTO PROJECT NO. 10-017

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
AW 4	11/15/90	333.41	8.51	324.90	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
AW 4	12/11/90	333.41	9.19	324.22	---	---	---	---	---	---	---	---	---	---	---
AW 4	02/15/91	333.41	8.32	325.09	ND<50	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	---	---	SUP
AW-4	05/14/91	333.41	6.97	326.44	ND<50	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	---	---	SUP
AW-4	08/23/91	333.41	8.59	324.82	ND<50	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	---	---	ANA
AW-4	11/13/91	333.41	8.57	324.84	ND<30	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	---	---	SEQ
AW-4	02/25/92	333.41	6.26	327.15	ND<30	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	---	---	SEQ
AW-4	04/15/92	333.41	7.05	326.36	---	---	---	---	---	---	---	---	---	---	---
AW-4	06/03/92	333.41	7.41	326.00	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
AW 4	08/12/92	333.41	8.45	324.96	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
AW-4	11/10/92	333.41	9.10	324.31	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
AW-4 (e)	02/10/93	333.41	---	---	---	---	---	---	---	---	---	---	---	---	---
AW 4 (e)	05/21/93	333.41	---	---	---	---	---	---	---	---	---	---	---	---	---
AW-4 (e)	08/12/93	333.41	---	---	---	---	---	---	---	---	---	---	---	---	---
AW-4	11/11/93	333.41	8.00	325.41	---	---	---	---	---	---	---	---	---	---	---
AW-4	11/15/93	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
AW-4	02/11/94	333.41	6.84	326.57	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
AW 4	05/17/94	333.41	6.54	326.87	---	---	---	---	---	---	---	---	---	---	---
AW 4	06/20/94	333.41	5.70	327.71	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	2.0	PACE
AW-4	10/04/94	333.41	8.04	325.37	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	6.1	PACE
AW 4 (d)	11/18/94	333.41	6.80	326.61	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	2.3	PACE
AW-4	02/15/95	333.41	4.91	328.50	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	ATI
AW 4	05/24/95	333.41	5.32	328.09	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	4.9	ATI
AW-4	08/29/95	333.41	7.26	326.15	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	9.1	ATI
AW-4	11/28/95	333.41	7.81	325.60	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	---	5.8	ATI
AW-4	02/26/96	333.41	3.85	329.56	---	---	---	---	---	---	---	---	---	---	---
AW 4	05/23/96	333.41	5.17	328.24	---	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
 BP OIL COMPANY SERVICE STATION NO. 11116
 7197 VILLAGE PARKWAY, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-017

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
AW-5	11/15/90	334.81	9.67	325.14	ND<50	---	1.3	ND<0.5	ND<0.5	1.0	---	---	---	---	ANA
AW-5	12/11/90	334.81	9.44	325.37	---	---	---	---	---	---	---	---	---	---	---
AW-5	02/15/91	334.81	10.00	324.81	ND<50	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	---	---	SUP
AW-5	05/14/91	334.81	8.64	326.17	ND<50	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	---	---	SUP
AW-5	08/23/91	334.81	9.58	325.23	ND<50	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	---	---	ANA
AW-5	11/13/91	334.81	9.80	325.01	100	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	---	---	SEQ
AW-5	02/25/92	334.81	7.89	326.92	ND<30	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	---	---	SEQ
AW-5	04/15/92	334.81	8.54	326.27	---	---	---	---	---	---	---	---	---	---	---
AW-5	06/03/92	334.81	8.97	325.84	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
AW-5	08/12/92	334.81	9.73	325.08	61	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
AW-5	11/10/92	334.81	10.27	324.54	99	---	ND<0.5	ND<0.5	ND<0.5	0.8	---	---	---	---	ANA
QC-1 (i)	11/10/92	---	---	---	86	---	ND<0.5	ND<0.5	ND<0.5	0.7	---	---	---	---	ANA
AW-5	02/10/93	334.81	7.29	327.52	82	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
AW-5	05/21/93	334.81	7.77	327.04	---	---	---	---	---	---	---	---	---	---	---
AW-5	08/12/93	334.81	8.87	325.94	130	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
AW-5	11/11/93	334.81	9.13	325.68	---	---	---	---	---	---	---	---	---	---	---
AW-5	11/12/93	---	---	---	180	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
AW-5	02/11/94	334.81	8.20	326.61	210	---	16	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
AW-5	05/17/94	334.81	8.16	326.65	---	---	---	---	---	---	---	---	---	---	---
AW-5	06/20/94	334.81	8.26	326.55	1300	---	0.9	ND<0.5	0.5	2.2	---	---	---	2.5	PACE
AW-5	10/04/94	334.81	8.70	326.11	670	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	6.0	PACE
AW-5 (d)	11/18/94	334.81	8.20	326.61	640	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	4.1	PACE
QC-1 (i)	11/21/94	---	---	---	660	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
AW-5	02/15/95	334.81	6.65	328.16	220	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	ATI
AW-5	05/24/95	334.81	7.27	327.54	220	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	5.2	ATI
AW-5	08/29/95	334.81	8.70	326.11	190	---	ND<1.0	ND<1.0	ND<1.0	ND<2.0	---	---	---	8.5	ATI
AW-5	11/28/95	334.81	9.32	325.49	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	700	---	---	4.1	ATI
AW-5	02/26/96	334.81	7.13	327.68	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	670	---	---	8.1	SPL
AW-5	05/23/96	334.81	8.58	326.23	60	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	620	---	---	4.9	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
 BP OIL COMPANY SERVICE STATION NO. 11116
 7197 VILLAGE PARKWAY, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-017

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
AW-6	11/15/90	334 90	9.58	325.32	230	---	25	ND<0.5	ND<0.5	0.8	---	---	---	---	ANA
AW 6	12/11/90	334 90	9.58	325.32	---	---	---	---	---	---	---	---	---	---	---
AW 6	02/15/91	334 90	9.66	325.24	ND<50	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	---	---	SUP
AW 6	05/14/91	334 90	8.38	326.52	90	---	2	ND<0.3	ND<0.3	ND<0.3	---	---	---	---	SUP
AW-6	08/23/91	334 90	9.61	325.29	57	---	ND<0.5	0.7	1.3	4.6	---	---	---	---	ANA
AW-6	11/13/91	334 90	9.58	325.32	200	---	ND<0.3	ND<0.3	ND<0.3	0.94	---	---	---	---	SEQ
AW-6	02/25/92	334 90	8.00	326.90	19000	---	8000	4700	600	2400	---	---	---	---	SEQ
AW 6	03/05/92	334 90	7.98	326.92	14000	---	5200	2500	550	2200	---	---	---	---	SEQ
AW-6	04/15/92	334 90	8.33	326.57	1100	---	400	ND<3.0	30	ND<3.0	---	---	---	---	SEQ
AW-6	06/03/92	334 90	8.91	325.99	77	---	4.4	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
AW 6	08/12/92	334 90	9.61	325.29	80	---	4.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
AW-6	11/10/92	334 90	10.10	324.80	450	---	120	2.1	4.5	9.7	---	---	---	---	ANA
AW-6	02/10/93	334 90	7.13	327.77	14000	---	610	17	15	720	---	---	---	---	PACE
QC-1 (f)	02/10/93	---	---	---	12000	---	520	15	13	610	---	---	---	---	PACE
AW 6	05/21/93	334 90	7.64	327.26	7900	---	900	ND<12	20	ND<12	---	---	---	---	PACE
QC-1 (f)	05/21/93	---	---	---	7500	---	620	ND<10	13	ND<10	---	---	---	---	PACE
AW-6	08/12/93	334 90	8.64	326.26	26000	---	450	14	250	48	---	---	---	---	PACE
QC 1 (f)	08/12/93	---	---	---	27000	---	510	43	270	42	---	---	---	---	PACE
AW-6	11/11/93	334 90	8.67	326.23	---	---	---	---	---	---	---	---	---	---	---
AW-6	11/12/93	---	---	---	62000	---	4600	420	310	1100	---	---	---	---	PACE
QC-1 (f)	11/12/93	---	---	---	63000	---	4100	360	290	1000	---	---	---	---	PACE
AW 6	02/11/94	334 90	8.04	326.86	140000	---	21000	25000	1100	13000	---	---	---	---	PACE
QC-1 (f)	02/11/94	---	---	---	110000	---	17000	21000	770	10000	---	---	---	---	PACE
AW-6	05/17/94	334 90	7.68	327.22	---	---	---	---	---	---	---	---	---	---	---
AW 6	06/20/94	334 90	7.82	327.08	42000	---	2700	1300	1900	9100	---	---	---	2.1	PACE
QC-1 (f)	06/20/94	---	---	---	41000	---	2800	1400	1900	8900	---	---	---	---	PACE
AW 6	10/04/94	334 90	9.33	325.57	14000	---	2100	77	1000	760	---	---	---	6.1	PACE
QC-1 (f)	10/04/94	---	---	---	14000	---	2100	77	1100	790	---	---	---	---	PACE
AW-6 (d)	11/18/94	334 90	7.17	327.73	50000	---	550	8500	2500	14000	---	---	---	3.3	PACE
AW 6	02/15/95	334 90	6.19	328.71	25000	---	53	1400	1200	4400	---	---	---	---	ATI
QC-1 (f)	02/15/95	---	---	---	25000	---	53	1400	1200	4400	---	---	---	---	ATI
AW-6	05/24/95	334 90	6.87	328.03	14000	---	730	140	570	1100	---	---	---	5.7	ATI
QC-1 (f)	05/24/95	---	---	---	15000	---	750	140	570	1100	---	---	---	---	ATI
AW 6	08/29/95	334 90	8.38	326.52	8300	---	430	ND<10	340	40	---	---	---	8.9	ATI
QC-1 (f)	08/29/95	---	---	---	9400	---	430	12	360	37	---	---	---	---	ATI
AW 6	11/28/95	334 90	9.20	325.70	4700	---	300	13	61	ND<20	3600	---	---	3.0	ATI
QC-1 (f)	11/28/95	---	---	---	5200	---	310	12	78	ND<20	3800	---	---	---	ATI
AW 6	02/26/96	334 90	5.78	329.12	3600	---	17	29	110	1100	68	---	---	8.0	SPL
QC-1 (f)	02/26/96	---	---	---	3600	---	17	28	100	1050	63	---	---	---	SPL
AW 6	05/23/96	334 90	6.94	327.96	1800	---	390	ND<2.5	76	49	560	---	---	5.2	SPL
QC-1 (f)	05/23/96	---	---	---	1800	---	380	ND<2.5	72	44	550	---	---	---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
 BP OIL COMPANY SERVICE STATION NO. 11116
 7197 VILLAGE PARKWAY, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-017

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
QC-2	(g) 11/10/92	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
QC-2	(g) 02/10/93	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2	(g) 05/21/93	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2	(g) 08/12/93	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2	(g) 11/12/93	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2	(g) 02/11/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2	(g) 06/20/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2	(g) 10/04/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2	(g) 11/21/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2	(g) 02/15/95	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	ATI
QC-2	(g) 05/24/95	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	ATI
QC-2	(g) 08/23/95	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	ATI
QC-2	(g) 11/28/95	---	---	---	ND<50	---	ND<0.50	1.6	ND<0.50	1.2	ND<5.0	---	---	---	ATI
QC-2	(g) 02/26/96	---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	SPL
QC-2	(g) 05/23/96	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10	---	---	---	SPL

ABBREVIATIONS

TPH G	Total petroleum hydrocarbons as gasoline
TPH D	Total petroleum hydrocarbons as diesel
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
TOG	Total oil and grease
HVOC	Halogenated volatile organic compounds
DO	Dissolved oxygen
ug/l	Micrograms per liter
ppm	Parts per million
ND	Not detected above reported detection limit
---	Not applicable/analyzed/measured
ANA	Anametx, Inc
SUP	Superior Analytical Laboratory
SEQ	Sequoia Analytical laboratory
PACE	Pace, Inc
ATI	Analytical Technologies, Inc.
SPL	Southern Petroleum Laboratories

NOTES:

- (a) Top of casing elevations surveyed in reference to the City of Dublin monument at the intersection of Village Parkway and Amador Valley Boulevard, with an elevation of 335.92 feet above mean sea level.
- (b) Groundwater elevations in feet above mean sea level.
- (c) Methylene chloride.
- (d) Groundwater samples collected on November 21, 1994.
- (e) Well buried.
- (f) Blind duplicate.
- (g) Travel blank.

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING
UNOCAL CORPORATION SERVICE STATION
7375 AMADOR VALLEY BOULEVARD, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-017

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (mg/l)	LAB
MW-1	08/12/92	336.72	11.32	325.40	--	--	--	--	--	--	--	--	--
MW-1	11/10/92	336.72	11.97	324.75	--	--	--	--	--	--	--	--	--
MW-1	02/10/93	336.72	8.63	328.09	--	--	--	--	--	--	--	--	--
MW-1	05/10/93	336.72	9.57	327.15	--	--	--	--	--	--	--	--	--
MW-1	08/12/93	336.72	10.65	326.17	--	--	--	--	--	--	--	--	--
MW-1	11/11/93	336.72	10.17	326.55	--	--	--	--	--	--	--	--	--
MW-1	02/11/94	336.07	(c) 9.72	326.35	--	--	--	--	--	--	--	--	--
MW-1	05/17/94	336.07	9.26	326.81	--	--	--	--	--	--	--	--	--
MW-1	08/25/94	336.07	10.58	325.49	--	--	--	--	--	--	--	--	--
MW-1	11/18/94	336.07	9.69	326.38	--	--	--	--	--	--	--	--	--
MW-1	02/15/95	336.07	7.80	328.27	--	--	--	--	--	--	--	--	--
MW-1	05/24/95	336.07	8.98	327.09	1300	--	28	ND<0.50	15	ND<0.50	--	--	SEQ
MW-1	08/25/95	336.07	9.68	326.39	530	2300	16	ND<0.50	2.2	13	--	--	SEQ
MW-1	11/28/95	336.07	10.45	325.62	650	--	15	ND<0.50	21	6.7	--	--	SEQ
MW-1	02/26/96	336.07	6.45	329.62	1900	--	40	ND<0.50	84	46	110	--	SEQ
MW-2	08/12/92	337.36	11.48	325.88	--	--	--	--	--	--	--	--	--
MW-2	11/10/92	337.36	12.15	325.21	--	--	--	--	--	--	--	--	--
MW-2	02/10/93	337.36	8.81	328.55	--	--	--	--	--	--	--	--	--
MW-2	05/10/93	337.36	9.75	327.61	--	--	--	--	--	--	--	--	--
MW-2	08/12/93	337.36	10.69	326.67	--	--	--	--	--	--	--	--	--
MW-2	11/11/93	337.36	10.51	326.85	--	--	--	--	--	--	--	--	--
MW-2	02/11/94	336.78	(c) 9.85	326.93	--	--	--	--	--	--	--	--	--
MW-2	05/17/94	336.78	9.31	327.47	--	--	--	--	--	--	--	--	--
MW-2	08/25/94	336.78	10.75	326.03	--	--	--	--	--	--	--	--	--
MW-2	11/18/94	336.78	9.95	326.83	--	--	--	--	--	--	--	--	--
MW-2	02/15/95	336.78	7.58	329.20	--	--	--	--	--	--	--	--	--
MW-2	05/24/95	336.78	8.33	328.45	--	--	--	--	--	--	--	--	--
MW-2	08/25/95	336.78	9.76	327.02	--	--	--	--	--	--	--	--	--
MW-2	11/28/95	336.78	10.65	326.13	--	--	--	--	--	--	--	--	--
MW-2	02/26/96	336.78	6.39	330.39	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	SEQ
MW-3	08/12/92	337.53	11.64	325.89	--	--	--	--	--	--	--	--	--
MW-3	11/10/92	337.53	12.33	325.20	--	--	--	--	--	--	--	--	--
MW-3	02/10/93	337.53	8.95	328.58	--	--	--	--	--	--	--	--	--
MW-3	05/10/93	337.53	9.91	327.62	--	--	--	--	--	--	--	--	--
MW-3	08/12/93	337.53	10.89	326.64	--	--	--	--	--	--	--	--	--
MW-3	11/11/93	337.53	10.64	326.89	--	--	--	--	--	--	--	--	--
MW-3	02/11/94	336.98	(c) 10.01	326.97	--	--	--	--	--	--	--	--	--
MW-3	05/17/94	336.98	9.49	327.49	--	--	--	--	--	--	--	--	--
MW-3	08/25/94	336.98	10.93	326.05	--	--	--	--	--	--	--	--	--
MW-3	11/18/94	336.98	10.15	326.83	--	--	--	--	--	--	--	--	--
MW-3	02/15/95	336.98	7.62	329.36	--	--	--	--	--	--	--	--	--
MW-3	05/24/95	336.98	8.26	328.72	--	--	--	--	--	--	--	--	--
MW-3	08/25/95	336.98	10.03	326.95	--	--	--	--	--	--	--	--	--
MW-3	11/28/95	336.98	10.85	326.13	--	--	--	--	--	--	--	--	--
MW-3	02/26/96	336.98	6.39	330.59	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<5.0	SEQ

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING
UNOCAL CORPORATION SERVICE STATION
7375 AMADOR VALLEY BOULEVARD, DUBLIN, CALIFORNIA

ALJSTO PROJECT NO. 10-017

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (mg/l)	LAB
MW-4	08/12/92	337.00	11.62	325.38	---	---	---	---	---	---	---	---	---
MW-4	11/10/92	337.00	12.32	324.68	---	---	---	---	---	---	---	---	---
MW-4	02/10/93	337.00	8.94	328.06	---	---	---	---	---	---	---	---	---
MW-4	05/10/93	337.00	9.90	327.10	---	---	---	---	---	---	---	---	---
MW-4	08/12/93	337.00	10.90	326.10	---	---	---	---	---	---	---	---	---
MW-4	11/11/93	337.00	10.48	326.52	---	---	---	---	---	---	---	---	---
MW-4	02/11/94	336.43	(c)	10.10	326.33	---	---	---	---	---	---	---	---
MW-4	05/17/94	336.43	9.63	326.80	---	---	---	---	---	---	---	---	---
MW-4	08/25/94	336.43	10.94	325.49	---	---	---	---	---	---	---	---	---
MW-4	11/18/94	336.43	10.10	326.33	---	---	---	---	---	---	---	---	---
MW-4	02/15/95	336.43	8.12	328.31	---	---	---	---	---	---	---	---	---
MW-4	05/24/95	336.43	6.68	327.75	---	---	---	---	---	---	---	---	---
MW-4	08/25/95	336.43	10.08	326.35	---	---	---	---	---	---	---	---	---
MW-4	11/28/95	336.43	10.81	325.62	---	---	---	---	---	---	---	---	---
MW-4	02/26/96	336.43	6.75	329.68	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<0.50	---	---	SEQ
MW-5	02/11/94	335.96	(c)	10.08	325.88	---	---	---	---	---	---	---	---
MW-5	05/17/94	335.96	9.24	326.72	---	---	---	---	---	---	---	---	---
MW-5	08/25/94	335.96	10.43	325.53	---	---	---	---	---	---	---	---	---
MW-5	11/18/94	335.96	10.09	325.87	---	---	---	---	---	---	---	---	---
MW-5	02/15/95	335.96	7.76	328.20	---	---	---	---	---	---	---	---	---
MW-5	05/24/95	335.96	7.98	327.98	14000	---	2200	ND<0.50	2200	ND<0.50	---	---	SEQ
MW-5	08/25/95	335.96	9.57	326.39	3100	---	43	ND<0.50	590	8.4	---	---	SEQ
MW-5	11/28/95	335.96	10.33	325.63	6400	---	320	ND<0.50	720	ND<0.50	---	---	SEQ
MW-5	02/26/96	335.96	7.15	328.81	2800	1600	(d)	75	ND<0.50	180	ND<0.50	74	SEQ
MW-5	05/23/96	335.96	8.65	327.31	71	190	(d)	7.9	ND<0.50	3.4	ND<0.50	43	SEQ

ABBREVIATIONS:

TPH-G Total petroleum hydrocarbons as gasoline
 TPH-D Total petroleum hydrocarbons as diesel
 B Benzene
 T Toluene
 E Ethylbenzene
 X Total xylenes
 MTBE Methyl tert butyl ether
 TOG Total oil and grease
 ug/l Micrograms per liter
 mg/l Milligrams per liter
 ND Not detected above reported detection limit
 --- Not sampled/analyzed/available
 S&Q Sequoia Analytical Laboratory

NOTES:

- (a) Top of casing elevations surveyed to the nearest 0.01 foot above mean sea level.
 (b) Groundwater elevations in feet above mean sea level.
 (c) Top of casing elevations surveyed to the nearest 0.01 foot relative to a brass disc stamped VL-PKAMVY 1997, on the westerly center island of Amador Valley Boulevard and Village Parkway, with an elevation of 337.40 feet above mean sea level.
 (d) Unidentified hydrocarbon <C15 considered to be gasoline and not diesel.

HA010 01/017-5-4B.WQ2

TABLE 3 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING
 ARCO PRODUCTS SERVICE STATION 6041
 7249 VILLAGE PARKWAY, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-017

WELL ID	DATE OF 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)	LAB
MW-1	11/10/92	336.56	11.74	324.82	---	---	---	---	---	---	---
MW-1	02/10/93	336.56	9.66	326.90	---	---	---	---	---	---	---
MW-1	05/10/93	336.56	9.50	327.06	---	---	---	---	---	---	---
MW-1 (c)	08/12/93	336.56	---	---	---	---	---	---	---	---	---
MW-1	11/11/93	336.56	10.70	325.86	---	---	---	---	---	---	---
MW-1	02/11/94	336.56	10.35	326.21	---	---	---	---	---	---	---
MW-1	05/27/94	336.56	10.40	326.16	---	---	---	---	---	---	---
MW-1 (c)	08/25/94	336.56	---	---	---	---	---	---	---	---	---
MW-1	11/18/94	336.56	10.25	326.31	---	---	---	---	---	---	---
MW-1	02/15/95	336.56	8.53	328.03	---	---	---	---	---	---	---
MW-1	05/24/95	336.56	9.00	327.56	---	---	---	---	---	---	---
MW-1	08/25/95	336.56	6.93	329.63	780	2	ND<1	2	2	2500	CAS
MW-1	11/28/95	336.56	11.01	325.55	570	2.2	ND<0.5	1.4	0.9	---	CAS
MW-1	02/26/96	336.56	7.35	329.21	---	---	---	---	---	---	---
MW-1	05/23/96	336.56	8.73	327.83	560	8.5	ND<1	1.1	ND<1	3900	CAS
MW-2	11/10/92	334.80	10.12	324.68	---	---	---	---	---	---	---
MW-2	02/10/93	334.80	7.30	327.50	---	---	---	---	---	---	---
MW-2	05/10/93	334.80	7.40	327.40	---	---	---	---	---	---	---
MW-2 (c)	08/12/93	334.80	---	---	---	---	---	---	---	---	---
MW-2	11/11/93	334.80	9.02	325.78	---	---	---	---	---	---	---
MW-2	02/11/94	334.80	8.59	326.21	---	---	---	---	---	---	---
MW-2	05/27/94	334.80	8.51	326.29	---	---	---	---	---	---	---
MW-2 (c)	08/25/94	334.80	---	---	---	---	---	---	---	---	---
MW-2	11/18/94	334.80	8.70	326.10	---	---	---	---	---	---	---
MW-2	02/15/95	334.80	6.75	328.05	---	---	---	---	---	---	---
MW-2	05/24/95	334.80	6.88	327.92	---	---	---	---	---	---	---
MW-2	08/25/95	334.80	7.91	326.89	150	6	ND<1	1	ND<1	2700	CAS
MW-2	11/28/95	334.80	9.06	325.74	ND<50	ND<0.5	ND<0.5	ND<0.5	0.8	---	CAS
MW-2	02/26/96	334.80	6.65	328.15	---	---	---	---	---	---	---
MW-2	05/23/96	334.80	6.90	327.90	540	140	ND<2.5	13	ND<2.5	4600	CAS

TABLE 3 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING
 ARCO PRODUCTS SERVICE STATION 6041
 7249 VILLAGE PARKWAY, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-017

WELL ID	DATE OF 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)	LAB
MW-3	11/10/92	335.53	10.72	324.81	---	---	---	---	---	---	---
MW-3	02/10/93	335.53	7.87	327.66	---	---	---	---	---	---	---
MW-3	05/10/93	335.53	9.91	325.62	---	---	---	---	---	---	---
MW-3 (c)	08/12/93	335.53	---	---	---	---	---	---	---	---	---
MW-3	11/11/93	335.53	9.81	325.72	---	---	---	---	---	---	---
MW-3	02/11/94	335.53	9.60	325.93	---	---	---	---	---	---	---
MW-3	05/27/94	335.53	9.51	326.02	---	---	---	---	---	---	---
MW-3 (c)	08/25/94	335.53	---	---	---	---	---	---	---	---	---
MW-3	11/18/94	335.53	9.79	325.74	---	---	---	---	---	---	---
MW-3	02/15/95	335.53	8.55	326.98	---	---	---	---	---	---	---
MW-3	05/24/95	335.53	8.17	327.36	---	---	---	---	---	---	---
MW-3	08/25/95	335.53	9.27	326.26	210	3.6	ND<0.5	2.9	0.6	20000	CAS
MW-3	11/28/95	335.53	9.91	325.62	81	1.5	ND<0.5	1.4	ND<0.5	15000	CAS
MW-3	02/26/96	335.53	8.42	327.11	---	---	---	---	---	---	---
MW-3	05/23/96	335.53	7.70	327.83	6500	690	ND<10	120	14	8600	CAS
MW-4	11/10/92	334.22	9.58	324.64	---	---	---	---	---	---	---
MW-4	02/10/93	334.22	6.80	327.42	---	---	---	---	---	---	---
MW-4	05/10/93	334.22	9.90	324.32	---	---	---	---	---	---	---
MW-4 (c)	08/12/93	334.22	---	---	---	---	---	---	---	---	---
MW-4	11/11/93	334.22	8.48	325.74	---	---	---	---	---	---	---
MW-4	02/11/94	334.22	8.15	326.07	---	---	---	---	---	---	---
MW-4	05/27/94	334.22	7.83	326.39	---	---	---	---	---	---	---
MW-4 (c)	08/25/94	334.22	---	---	---	---	---	---	---	---	---
MW-4	11/18/94	334.22	8.31	325.91	---	---	---	---	---	---	---
MW-4	02/15/95	334.22	7.85	326.37	---	---	---	---	---	---	---
MW-4	05/24/95	334.22	6.68	327.54	---	---	---	---	---	---	---
MW-4	08/25/95	334.22	6.93	327.29	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	CAS
MW-4	11/28/95	334.22	8.21	326.01	---	---	---	---	---	---	---
MW-4	02/26/96	334.22	6.65	327.57	---	---	---	---	---	---	---
MW-4	05/23/96	334.22	6.47	327.75	---	---	---	---	---	---	---

TABLE 3 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING
 ARCO PRODUCTS SERVICE STATION 6041
 7249 VILLAGE PARKWAY, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-017

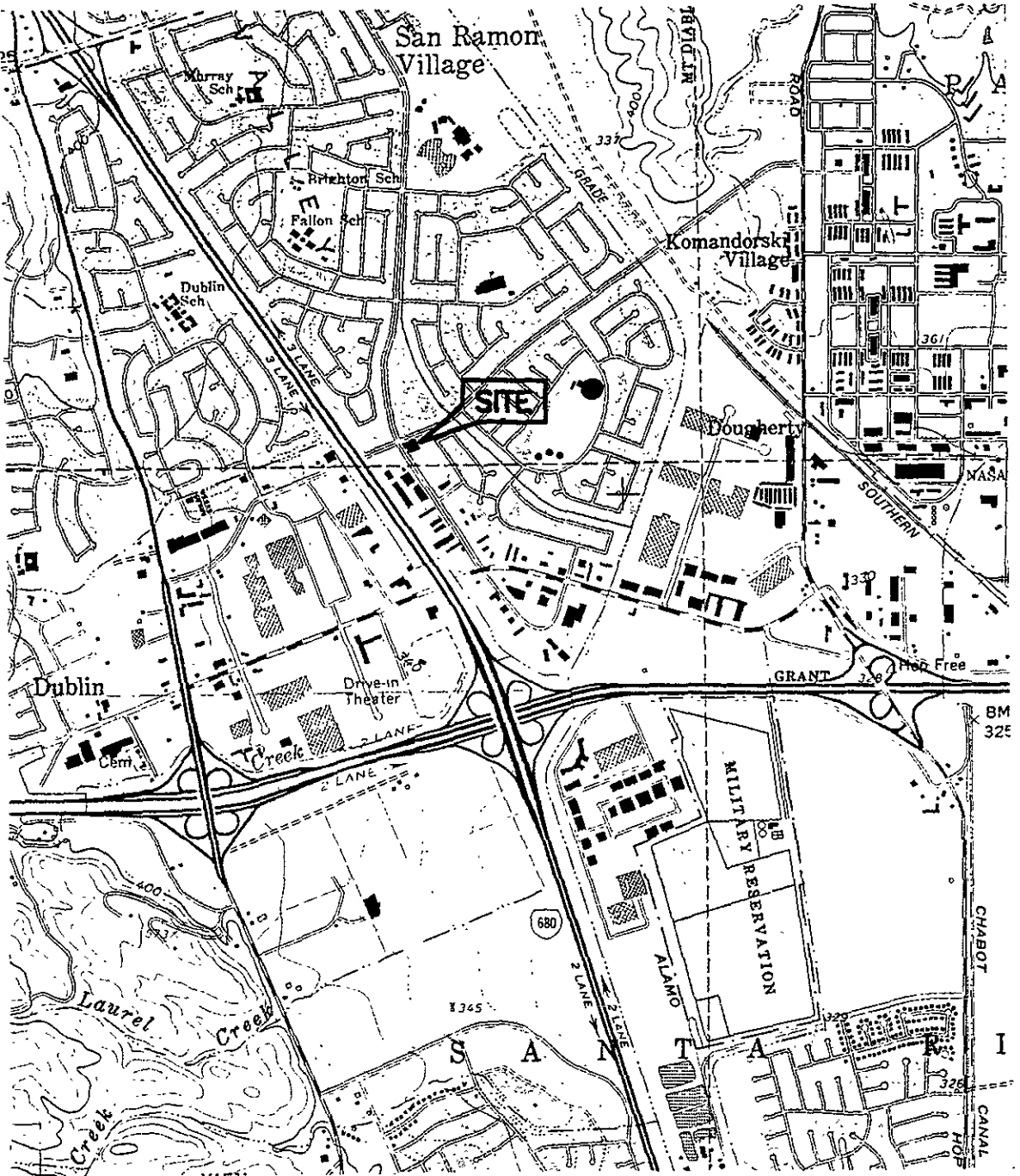
WELL ID	DATE OF MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
MW-5	11/10/92	335.87	11.02	324.85	---	---	---	---	---	---	---
MW-5	02/10/93	335.87	8.00	327.87	---	---	---	---	---	---	---
MW-5	05/10/93	335.87	8.64	327.23	---	---	---	---	---	---	---
MW-5 (c)	08/12/93	335.87	---	---	---	---	---	---	---	---	---
MW-5	11/11/93	335.87	10.09	325.78	---	---	---	---	---	---	---
MW-5	02/11/94	335.87	9.63	326.24	---	---	---	---	---	---	---
MW-5	05/27/94	335.87	9.60	326.27	---	---	---	---	---	---	---
MW-5 (c)	08/25/94	335.87	---	---	---	---	---	---	---	---	---
MW-5	11/18/94	335.87	9.65	326.22	---	---	---	---	---	---	---
MW-5	02/15/95	335.87	7.80	328.07	---	---	---	---	---	---	---
MW-5	05/24/95	335.87	8.10	327.77	---	---	---	---	---	---	---
MW-5	08/25/95	335.87	9.43	326.44	---	---	---	---	---	---	---
MW-5	11/28/95	335.87	10.12	325.75	---	---	---	---	---	---	---
MW-5	02/26/96	335.87	6.73	329.14	---	---	---	---	---	---	---
MW-5	05/23/96	335.87	7.87	328.00	---	---	---	---	---	---	---
MW-6	11/10/92	335.84	11.03	324.81	---	---	---	---	---	---	---
MW-6	02/10/93	335.84	8.22	327.62	---	---	---	---	---	---	---
MW-6	05/10/93	335.84	8.85	326.99	---	---	---	---	---	---	---
MW-6 (c)	08/12/93	335.84	---	---	---	---	---	---	---	---	---
MW-6	11/11/93	335.84	10.02	325.82	---	---	---	---	---	---	---
MW-6	02/11/94	335.84	9.66	326.18	---	---	---	---	---	---	---
MW-6	05/27/94	335.84	9.69	326.15	---	---	---	---	---	---	---
MW-6 (c)	08/25/94	335.84	---	---	---	---	---	---	---	---	---
MW-6	11/18/94	335.84	9.54	326.30	---	---	---	---	---	---	---
MW-6	02/15/95	335.84	7.81	328.03	---	---	---	---	---	---	---
MW-6	05/24/95	335.84	8.35	327.49	---	---	---	---	---	---	---
MW-6	08/25/95	335.84	9.71	326.13	---	---	---	---	---	---	---
MW-6	11/28/95	335.84	10.28	325.56	---	---	---	---	---	---	---
MW-6	02/26/96	335.84	6.60	329.24	---	---	---	---	---	---	---
MW-6	05/23/96	335.84	8.05	327.79	---	---	---	---	---	---	---

ABBREVIATIONS:

TPH-G Total petroleum hydrocarbons as gasoline
 B Benzene
 T Toluene
 E Ethylbenzene
 X Total xylenes
 MTBE Methyl tert butyl ether
 ug/l Micrograms per liter
 --- Not analyzed/applicable/measured
 ND Not detected above reported detection limit
 CAS Columbia Analytical Services, Inc.

NOTES:

- (a) Top of casing elevations surveyed to the nearest 0.01 foot above mean sea level.
- (b) Groundwater elevations in feet above mean sea level.
- (c) Data not available.



SOURCE:
 USGS MAP, DUBLIN QUADRANGLE,
 CALIFORNIA 7.5 MINUTE SERIES '661,
 PHOTOREVISED '980

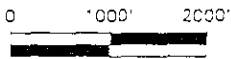


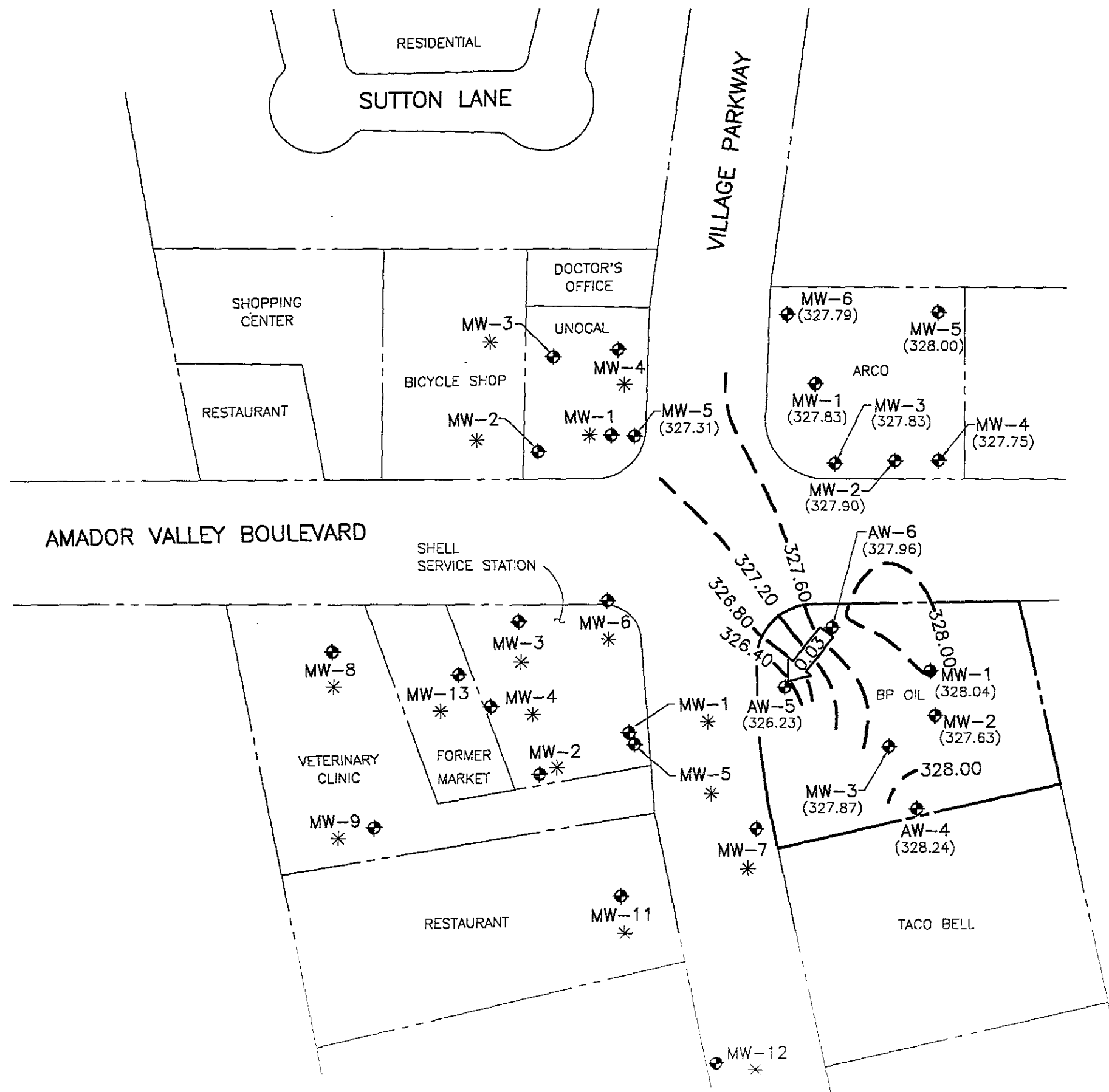
FIGURE 1

SITE VICINITY MAP

BP OIL SERVICE STATION NO. 11116
 7197 VILLAGE PARKWAY
 DUBLIN, CALIFORNIA
 PROJECT NO. 10-017



ALISTO ENGINEERING GROUP
 WALNUT CREEK, CALIFORNIA



LEGEND

- ◆ GROUNDWATER MONITORING WELL
- (326.23) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- - - 326.40 - GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL (CONTOUR INTERVAL - 0.40 FOOT)
- ← 0.03 ← CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT
- * MONITORING DATA NOT AVAILABLE

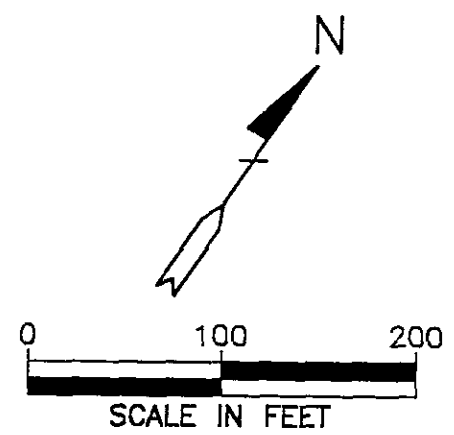
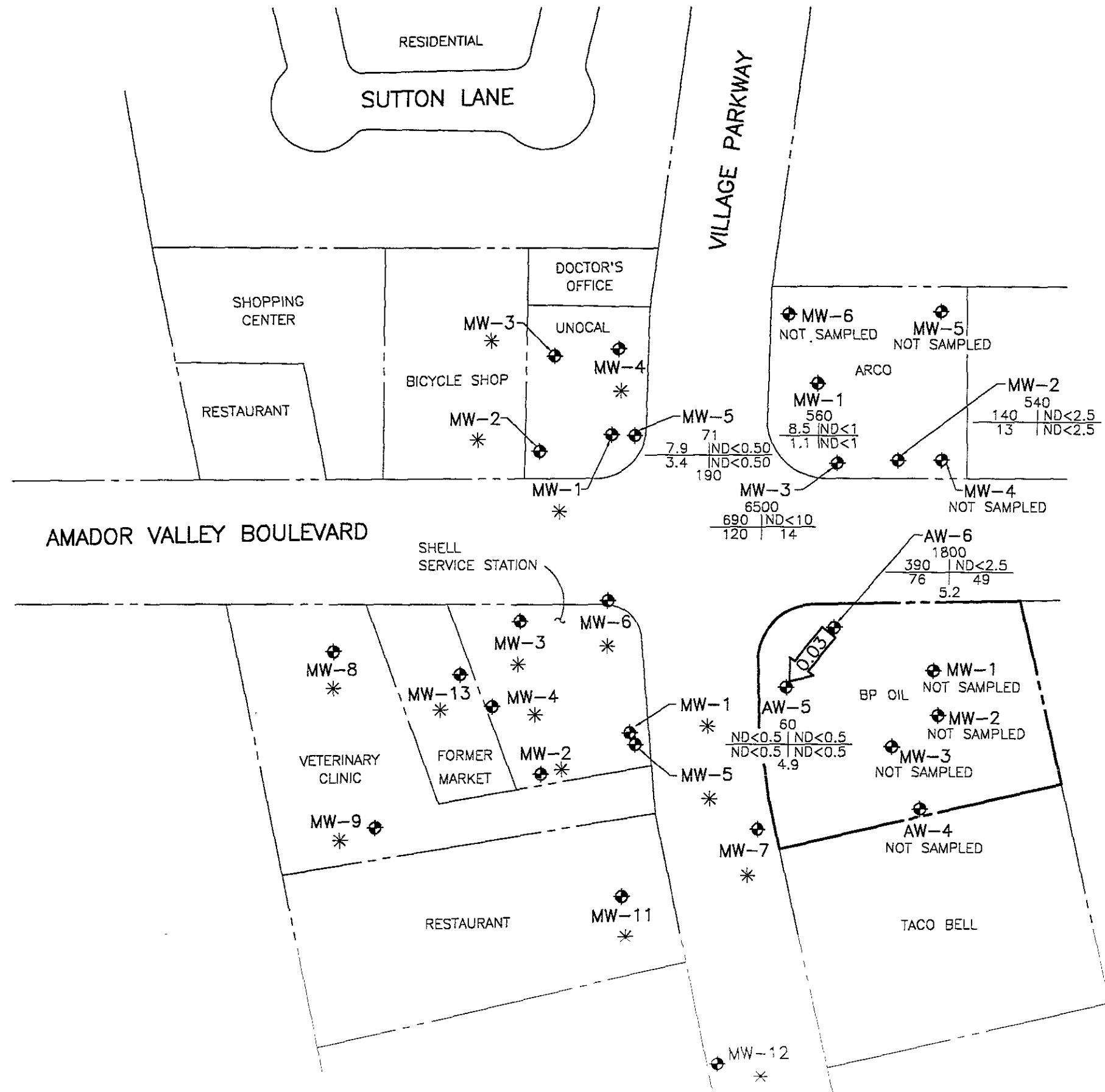


FIGURE 2
POTENTIOMETRIC GROUNDWATER ELEVATION CONTOUR MAP
 MAY 23, 1996
 BP OIL SERVICE STATION NO. 11116
 7197 VILLAGE PARKWAY
 DUBLIN, CALIFORNIA
 PROJECT NO. 10-017

100170-R-000-7-25-96-1004 1-100



LEGEND

- ◆ GROUNDWATER MONITORING WELL
- TPH-G
B | T
E | X
TPH-D
DO
TPH-G
B
T
E
X
TPH-D
DO
ND
- CONCENTRATION OF CONSTITUENTS IN MICROGRAMS PER LITER, EXCEPT DISSOLVED OXYGEN, WHICH IS IN PARTS PER MILLION
- TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- BENZENE
- TOLUENE
- ETHYLBENZENE
- TOTAL XYLENES
- TOTAL PETROLEUM HYDROCARBONS AS DIESEL
- DISSOLVED OXYGEN
- NOT DETECTED ABOVE REPORTED DETECTION LIMIT
- ← 0.03
- CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT
- * SAMPLING DATA NOT AVAILABLE

FIGURE 3
CONCENTRATIONS OF PETROLEUM HYDROCARBONS IN GROUNDWATER
MAY 23, 1996
 BP OIL SERVICE STATION NO. 11116
 7197 VILLAGE PARKWAY
 DUBLIN, CALIFORNIA
 PROJECT NO. 10-017

100171 R.0104 7-25-96 0104 11-108

APPENDIX A
WATER SAMPLING FIELD SURVEY FORMS

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.

10-017-05-004

Date:

5/23/96

Address

7197 Village Parkway

Day:

MTWTF

Contract No.

G602087

City:

Dublin

Station No.

BP 11116

Sampler:

DL

DEPTH TO GROUNDWATER SUMMARY

WELL ID	SAMPLE ID	WELL DIAM	TOTAL DEPTH	DEPTH TO WATER	PRODUCT THICKNESS	TIME MONITORED	COMMENTS:
MW-1	not	2"	25.90	7.13	φ	1031	NS
MW-2	not	↓	25.45	6.95	↓	1035	NS
MW-3	not	↓	25.90	7.26	↓	1039	NS
AW-4	not	4"	34.15	5.17	↓	1042	NS
AW-5	S-1	↓	32.90	8.58	↓	1044	
AW-6	S-2	↓	16.50	6.94	↓	1046	

FIELD INSTRUMENT CALIBRATION DATA

pH METER: Hydra 4.00 ✓ 7.00 ✓ 10.00 ✓ TEMPERATURE COMPENSATED (Y) N TIME 1115 WEATHER Sunny
 D.O. METER: Icon ZERO d.O. SOLUTION 0.4 ppm BAROMETRIC PRESSURE 764 TEMP 72°F
 CONDUCTIVITY METER: Hydra 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.	
AW-5	8.58	4"	OU	φ	Y (N)	16	1120	72.1	6.68	2.28	4.2	<input type="radio"/> EPA 601 _____
Total Depth - Water Level - x Well Vol. Factor = x#vol. to Purge PurgeVol.						32	1125	71.3	6.71	2.28		<input checked="" type="radio"/> TPH-G/BTEX <u>HL</u>
$32.90 - 8.58 = 24.32 \times .65 = 15.81 \times 3 = 47.42$						48	1131	71.1	6.80	2.28	4.9	<input type="radio"/> TPH Diesel _____
Purge Method: <input checked="" type="checkbox"/> Surface Pump <input type="checkbox"/> ODisp. Tube <input type="checkbox"/> OWinch <input type="checkbox"/> ODisp. Bailer(s) _____ <input type="checkbox"/> OSys Port												<input type="radio"/> TOG 5520 _____
Comments:												TIME/SAMPLE ID
												1135 / S-1

Well ID	Depth to Water	Diam	Cap/Lock	Product Dept	Iridescence	Gal.	Time	Temp *F	pH	E.C.	D.O.	
AW-6	6.94	4"	OU	φ	Y (N)	initial	-	-	-	-	11.7	<input type="radio"/> EPA 601 _____
Total Depth - Water Level - x Well Vol. Factor = x#vol. to Purge PurgeVol.						6.5	1148	69.3	7.72	1.02	8.0	<input checked="" type="radio"/> TPH-G/BTEX <u>HL</u>
$16.50 - 6.94 = 9.56 \times .65 = 6.21 \times 3 = 18.64$						13	1154	68.7	7.47	0.92	5.2	<input type="radio"/> TPH Diesel _____
Purge Method: <input checked="" type="checkbox"/> Surface Pump <input type="checkbox"/> ODisp. Tube <input type="checkbox"/> OWinch <input type="checkbox"/> ODisp. Bailer(s) _____ <input type="checkbox"/> OSys Port												<input type="radio"/> TOG 5520 _____
Comments: <u>QC-1 from this well (S-3) off well. Initial DO was taken to see</u>												TIME/SAMPLE ID
												1215 / S-2

* Conductivity readings are in x1000 $\mu S/cm$ units

if pH is influenced (DO) initial water was rusty colored, odor after 6 galls were purged. wait for 90% recovery.

APPENDIX B

LABORATORY REPORT AND CHAIN OF CUSTODY RECORD



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

SPL, INC.

REPORT APPROVAL SHEET

WORK ORDER NUMBER: 96 - 05 - C90

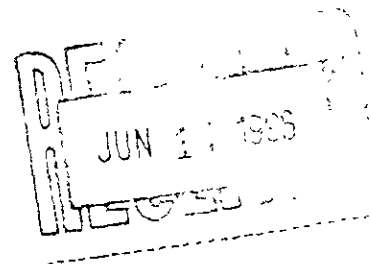
Approved for release by:

Greg Grandits, Laboratory Director

Date: 6/11/96

Ed Fry, Project Manager

Date: 6/5/96





HOUSTON LABORATORY

8880 INTERCHANGE DRIVE

HOUSTON, TEXAS 77054

PHONE (713) 660-0901

Certificate of Analysis No. H9-9605C90-01

Alisto Engineering
1575 Treat Blvd.
Walnut Creek, CA 94598
ATTN: Bill Howell

P.O.#
G602087 , COC#071599
DATE: 06/05/96

PROJECT: BP Oil #11116
SITE: Dublin, CA
SAMPLED BY: Alisto Engineering
SAMPLE ID: S-1

PROJECT NO: 10-017-5-4
MATRIX: WATER
DATE SAMPLED: 05/23/96 11:35:00
DATE RECEIVED: 05/24/96

ANALYTICAL DATA

Table with 5 columns: PARAMETER, RESULTS, DETECTION LIMIT, UNITS. Rows include MTBE, Benzene, Toluene, Ethylbenzene, Total Xylene.

Table with 2 columns: Surrogate, % Recovery. Rows include 1,4-Difluorobenzene, 4-Bromofluorobenzene.

METHOD 8020***

Analyzed by: YN

Date: 06/03/96

Table with 5 columns: PARAMETER, RESULTS, DETECTION LIMIT, UNITS. Row: Total Petroleum Hydrocarbons-Gasoline.

Table with 2 columns: Surrogate, % Recovery. Rows include 1,4-Difluorobenzene, 4-Bromofluorobenzene.

CA LUFT - Gasoline

Analyzed by: YN

Date: 06/03/96 02:34:00

(P) - Practical Quantitation Limit ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance
with EPA guidelines for quality assurance.
SPL California License # 1903



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

Certificate of Analysis No. H9-9605C90-02

Alisto Engineering
 1575 Treat Blvd.
 Walnut Creek, CA 94598
 ATTN: Bill Howell

P.O.#
 G602087 , COC#071599
 DATE: 06/05/96

PROJECT: BP Oil #11116
 SITE: Dublin, CA
 SAMPLED BY: Alisto Engineering
 SAMPLE ID: S-2

PROJECT NO: 10-017-5-4
 MATRIX: WATER
 DATE SAMPLED: 05/23/96 12:15:00
 DATE RECEIVED: 05/24/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	560	50 P	µg/L
Benzene	390	2.5 P	µg/L
Toluene	ND	2.5 P	µg/L
Ethylbenzene	76	2.5 P	µg/L
Total Xylene	49	2.5 P	µg/L

Surrogate	% Recovery
1,4-Difluorobenzene	105
4-Bromofluorobenzene	103

METHOD 8020***

Analyzed by: YN

Date: 06/03/96

Total Petroleum Hydrocarbons-Gasoline	1.8	0.25 P	mg/L
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Surrogate	% Recovery
1,4-Difluorobenzene	131
4-Bromofluorobenzene	97

CA LUFT - Gasoline

Analyzed by: YN

Date: 06/03/96 03:00:00

(P) - Practical Quantitation Limit ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.
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HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 PHONE (713) 660-0901

Certificate of Analysis No. H9-9605C90-03

Alisto Engineering
 1575 Treat Blvd.
 Walnut Creek, CA 94598
 ATTN: Bill Howell

P.O.#
 G602087 , COC#071599
 DATE: 06/05/96

PROJECT: BP Oil #11116
 SITE: Dublin, CA
 SAMPLED BY: Alisto Engineering
 SAMPLE ID: S-3

PROJECT NO: 10-017-5-4
 MATRIX: WATER
 DATE SAMPLED: 05/23/96
 DATE RECEIVED: 05/24/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	550	50 P	µg/L
Benzene	380	2.5 P	µg/L
Toluene	ND	2.5 P	µg/L
Ethylbenzene	72	2.5 P	µg/L
Total Xylene	44	2.5 P	µg/L
Surrogate		% Recovery	
1,4-Difluorobenzene	105		
4-Bromofluorobenzene	103		
METHOD 8020***			
Analyzed by: YN			
Date: 06/03/96			
Total Petroleum Hydrocarbons-Gasoline	1.8	0.25 P	mg/L
Surrogate		% Recovery	
1,4-Difluorobenzene	130		
4-Bromofluorobenzene	97		
CA LUFT - Gasoline			
Analyzed by: YN			
Date: 06/03/96 03:27:00			

(P) - Practical Quantitation Limit ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
 **Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
 ***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.
 SPL California License # 1903

QUALITY CONTROL

DOCUMENTATION



Matrix: Aqueous
Units: mg/L

Batch Id: HP_J960602124900

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery %	
Petroleum Hydrocarbons-Gas	ND	1.00	0.96	96.0	50 - 150

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
			PETROLEUM HYDROCARBONS-GAS	ND	0.9	1.1		122	1.1

Analyst: AA

Sequence Date: 06/03/96

SPL ID of sample spiked: 9605D49-01A

Sample File ID: JJ_717.TX0

Method Blank File ID:

Blank Spike File ID: JJ_708.TX0

Matrix Spike File ID: JJ_746.TX0

Matrix Spike Duplicate File ID: JJ_747.TX0

* = Values Outside QC Range

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

ND = Not Detected/Below Detection Limit

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

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

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

(**) = Source: Temporary Limits

(***) = Source: Temporary Limits

SAMPLES IN BATCH(SPL ID):

9605C90-02A 9605C90-03A 9605C90-04A 9605D49-01A
 9605D49-02A 9605D49-03A 9605D49-08A 9605D49-09A
 9605D49-04A 9605D49-06A 9605D49-05A 9605C82-09A
 9605C90-01A

QC Officer

CHAIN OF CUSTODY
AND
SAMPLE RECEIPT CHECKLIST

SPL Houston Environmental Laboratory

Sample Login Checklist

Date: 5/24/96	Time: 10:30
---	---

SPL Sample ID:

96D5C90

		<u>Yes</u>	<u>No</u>								
1	Chain-of-Custody (COC) form is present.	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
2	COC is properly completed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
3	If no, Non-Conformance Worksheet has been completed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>								
4	Custody seals are present on the shipping container.	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
5	If yes, custody seals are intact.	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
6	All samples are tagged or labeled.	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
7	If no, Non-Conformance Worksheet has been completed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>								
8	Sample containers arrived intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
9	Temperature of samples upon arrival:	3°C									
10	Method of sample delivery to SPL:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; padding: 2px 5px;">SPL Delivery</td> <td style="width: 20%;"></td> </tr> <tr> <td style="padding: 2px 5px;">Client Delivery</td> <td></td> </tr> <tr> <td style="padding: 2px 5px;">FedEx Delivery (airbill #)</td> <td style="text-align: center; vertical-align: middle;">936071774</td> </tr> <tr> <td style="padding: 2px 5px;">Other:</td> <td></td> </tr> </table>		SPL Delivery		Client Delivery		FedEx Delivery (airbill #)	936071774	Other:	
SPL Delivery											
Client Delivery											
FedEx Delivery (airbill #)	936071774										
Other:											
11	Method of sample disposal:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; padding: 2px 5px;">SPL Disposal</td> <td style="width: 20%; text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px 5px;">HOLD</td> <td></td> </tr> <tr> <td style="padding: 2px 5px;">Return to Client</td> <td></td> </tr> </table>		SPL Disposal	<input checked="" type="checkbox"/>	HOLD		Return to Client			
SPL Disposal	<input checked="" type="checkbox"/>										
HOLD											
Return to Client											

Name: Yveta Brown	Date: 5/24/96
---	---



9605090

CHAIN OF CUSTODY

No.071599

Page 1 of 1

CONSULTANT'S NAME <i>AISO Engineering</i>		ADDRESS <i>1575 Treat Blvd</i>		CITY <i>Wauwat Creek</i>	STATE <i>CA</i>	ZIP CODE <i>94598</i>
BP SITE NUMBER <i>11116</i>	CORNER ADDRESS/CITY <i>7197 Village Pkwy Dublin CA</i>			CONSULTANT PROJECT NUMBER <i>10-017-5-4</i>		
CONSULTANT PROJECT MANAGER <i>Bill Howell</i>		PHONE NUMBER <i>(520) 295 1650</i>	FAX NUMBER <i>(520) 295 1723</i>		CONSULTANT CONTRACT NUMBER <i>9602087</i>	
BP CONTACT <i>Scott Hooton</i>	BP ADDRESS <i>Renton WA</i>		PHONE NUMBER <i>-</i>		FAX NO. <i>-</i>	
LAB CONTACT <i>SPL</i>	LABORATORY ADDRESS <i>Houston Texas</i>		PHONE NUMBER <i>-</i>		FAX NO. <i>-</i>	
SAMPLED BY (Please Print Name) <i>Dave Wark</i>		SAMPLED BY (Signature) <i>[Signature]</i>		SHIPMENT DATE <i>5-23-96</i>		SHIPMENT METHOD <i>Fed Ex</i>

TAT: 24 Hours 48 Hours 1 Week Standard 2 Weeks

ANALYSIS REQUIRED

AIRBILL NUMBER: *9136071774*

SAMPLE DESCRIPTION	COLLECTION DATE COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS		PRESERVATIVE LAB SAMPLE #	pH	COMMENTS
			NO.	TYPE (VOL.)			
<i>S-1 1135</i>	<i>5/23/96</i>	<i>H₂O</i>	<i>3</i>	<i>un</i>	<i>1100s 100s 100s MTC</i>	<i>X</i>	
<i>S-2 1215</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	
<i>S-3</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	
<i>S-4</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	

REINQUIRED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	ADDITIONAL COMMENTS
<i>[Signature]</i> AISO	<i>5/23/96</i>	<i>1300</i>	<i>Patricia Lytton</i>	<i>5/23/96</i>	<i>1305</i>	<i>ROI 3°C</i>
<i>Patricia Lytton</i>	<i>5/23/96</i>	<i>1505</i>	<i>E. Brown</i>	<i>5/24/96</i>	<i>10:30</i>	