



**BP OIL**

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

September 18, 1995

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**

ENVIRONMENTAL  
PROTECTION  
95 SEP 25 PM 4:11

Dear Ms. Chu:

Attached please find our **GROUNDWATER MONITORING AND SAMPLING REPORT DATED August 18, 1995** for the above referenced facility. Please note that a total of approximately 437 gallons of groundwater was extracted from well AW-6 through May 24, 1995

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

Respectfully,

Scott T. Hooton  
Environmental Resources Management

STH:mu 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. Kyle Christie, ARCO Products Company, 2155 South Bascom Ave, Ste 202, Campbell,  
CA 95008

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

Site File

AUG 29 1995

GROUNDWATER MONITORING AND SAMPLING REPORT

ENVIRONMENTAL DEPT.  
WEST COAST REGION OFFICE  
BP Oil Company Service Station No. 1116  
7197 Village Parkway  
Dublin, California

Project No. 10-017-04-001

> 120 days for OMR

Quantify MTRB

Prepared for:

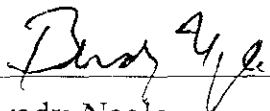
BP Oil Company  
Environmental Resources Management  
295 S.W. 41st Street  
Building 13, Suite N  
Renton, Washington


ENVIRONMENTAL  
PROTECTION  
95 SEP 25 PM 4:42

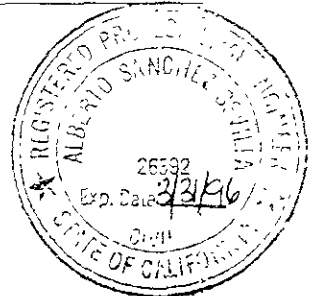
Prepared by:

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

August 18, 1995

  
\_\_\_\_\_  
Brady Nagle  
Project Manager

  
\_\_\_\_\_  
Al Sevilla, P.E.  
Principal



# GROUNDWATER MONITORING AND SAMPLING REPORT

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

Project No. 10-017-04-001

August 18, 1995

## INTRODUCTION

This report presents the results and findings of the May 24, 1995 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 in Figure 1.

## FIELD PROCEDURES

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

Groundwater monitoring was performed concurrently at monitoring wells installed for the Unocal Corporation service station, 7375 Amador Valley Boulevard; Shell Oil Company service station, 7194 Amador Valley Boulevard; and Arco Products Company service station, 7249 Village Parkway. The results of monitoring at these sites are presented in Tables 2, 3, and 4.

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. 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 for this and previous quarters are summarized in Table 1. The potentiometric groundwater elevation contour map is shown in Figure 2. The results of groundwater analysis are shown in Figure 3. The laboratory report and chain of custody record are presented in Appendix B.



TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING  
 BP OIL COMPANY SERVICE STATION NO. 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)	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	05/11/91	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	03/25/92	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	---	PACE
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	---	---	---	PACE
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	---	PACE
MW 1	05/17/94	335.17	8.17	327.00	---	---	---	---	---	---	---	---	---	---
MW 1	06/20/94	335.17	8.37	326.80	---	---	---	---	---	---	---	---	---	---
MW 1	10/01/94	335.17	9.66	325.51	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	6.5	PACE
MW 1 (d)	11/18/94	335.17	8.65	326.52	---	---	---	---	---	---	---	---	---	---
MW 1	02/15/95	335.17	6.68	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 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	324.80	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	328.87	---	---	---	---	---	---	---	---	---	---
MW 2	06/20/94	334.58	7.93	326.65	---	---	---	---	---	---	---	---	---	---
MW 2	10/01/94	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	05/21/95	334.58	6.50	328.08	---	---	---	---	---	---	---	---	---	---

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)	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	---	PAGE
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	---	---	---	PAGE
MW 3	11/11/93	335.13	9.79	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	---	---	---	PAGE
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	PAGE
MW 3 (f)	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	---	---	---	---	---	---	---	---	---	---
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	324.98	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 (c)	02/10/93	333.41	---	---	---	---	---	---	---	---	---	---	---	---
AW 4 (d)	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 1	11/15/93	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PAGE
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	---	---	---	PAGE
AW 4	05/17/94	333.41	6.54	326.87	---	---	---	---	---	---	---	---	---	---
AW 1	06/20/94	333.41	5.70	327.71	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PAGE
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	PAGE
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	PAGE
AW 1	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 1	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

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)	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	81	---	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 (f)	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	---	---	---	ANA
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 (d)(f)	11/18/94	---	---	---	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 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	7.84	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	326.28	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	7.88	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	780	---	---	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

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)	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 (d)(g)	11/18/94	---	---	---	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

ABBREVIATIONS

TPH-G	Total petroleum hydrocarbons as gasoline
TPH-D	Total petroleum hydrocarbons as diesel
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
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	Anamatrix, Inc.
SUP	Suponor Analytical Laboratory
SEQ	Sequora Analytical Laboratory
PACE	Pace, Inc.
ATI	Analytical Technologies, Inc.

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.

10/10/01/017 11AW62

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 (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/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	10.55	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-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-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-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	(c) 9.63	326.80	--	--	--	--	--	--
MW-4	08/25/94	336.43	(c) 10.94	325.49	--	--	--	--	--	--
MW-4	11/18/94	336.43	(c) 10.10	326.33	--	--	--	--	--	--
MW-4	02/15/95	336.43	(c) 8.12	328.31	--	--	--	--	--	--
MW-4	05/24/95	336.43	(c) 8.68	327.75	--	--	--	--	--	--



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 (Feet)	(a)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	(b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	LAB
MW-5	02/11/94	335.96	(c)	10.08	325.88		--	--	--	--	--	--
MW-5	05/17/94	335.96	(c)	9.24	326.72		--	--	--	--	--	--
MW-5	08/25/94	335.96	(c)	10.43	325.53		--	--	--	--	--	--
MW-5	11/18/94	335.96	(c)	10.09	325.87		--	--	--	--	--	--
MW-5	02/15/95	335.96	(c)	7.76	328.20		--	--	--	--	--	--
MW-5	05/24/95	335.96	(c)	7.98	327.98		14000	2200	ND<0.50	2200	ND<0.50	SEQ

ABBREVIATIONS:

TPH-G Total petroleum hydrocarbons as gasoline  
 B Benzene  
 T Toluene  
 E Ethylbenzene  
 X Total xylenes  
 ug/l Micrograms per liter  
 ND Not detected above reported detection limit  
 -- Not sampled/analyzed/available  
 SEQ 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.

E:\010-017\017-4-1B.WQ2

TABLE 3 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING  
 SHELL OIL COMPANY SERVICE STATION  
 7194 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)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	LAB
MW-1	08/12/92	334.83	9.15	325.68	--	--	--	--	--	--
MW-1	11/10/92	334.83	10.04	324.79	--	--	--	--	--	--
MW-1	02/10/93	334.83	7.24	327.59	--	--	--	--	--	--
MW-1	05/10/93	334.83	7.78	327.05	--	--	--	--	--	--
MW-1	08/12/93	334.83	8.54	326.29	--	--	--	--	--	--
MW-1	11/11/93	334.83	8.56	326.27	--	--	--	--	--	--
MW-1	02/11/94	334.83	8.62	326.21	--	--	--	--	--	--
MW-1	05/17/94	334.83	7.96	326.87	--	--	--	--	--	--
MW-1	08/25/94	334.83	9.24	325.59	--	--	--	--	--	--
MW-1	11/23/94	334.83	8.74	326.09	--	--	--	--	--	--
MW-1	02/15/95	334.83	6.84	327.99	--	--	--	--	--	--
MW-1	05/24/95	334.83	7.91	326.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NET
MW-2	08/12/92	336.96	11.58	325.38	--	--	--	--	--	--
MW-2	11/10/92	336.96	12.05	324.91	--	--	--	--	--	--
MW-2	02/10/93	336.96	9.28	327.68	--	--	--	--	--	--
MW-2	05/10/93	336.96	9.65	327.31	--	--	--	--	--	--
MW-2	08/12/93	336.96	10.70	326.26	--	--	--	--	--	--
MW-2	11/11/93	336.96	11.36	325.60	--	--	--	--	--	--
MW-2	02/11/94	336.96	11.04	325.92	--	--	--	--	--	--
MW-2	05/17/94	336.96	10.29	326.67	--	--	--	--	--	--
MW-2	08/25/94	336.96	11.29	325.67	--	--	--	--	--	--
MW-2	11/23/94	336.96	10.92	326.04	--	--	--	--	--	--
MW-2	02/15/95	336.96	8.90	328.06	--	--	--	--	--	--
MW-2	05/24/95	336.96	10.02	326.94	70	3.9	ND<0.5	1.4	ND<0.5	NET
MW-3	08/12/92	336.93	10.94	325.99	--	--	--	--	--	--
MW-3	11/10/92	336.93	11.84	325.09	--	--	--	--	--	--
MW-3	02/10/93	336.93	8.82	328.11	--	--	--	--	--	--
MW-3	05/10/93	336.93	8.88	328.05	--	--	--	--	--	--
MW-3	08/12/93	336.93	10.36	326.57	--	--	--	--	--	--
MW-3	11/11/93	336.93	10.64	326.29	--	--	--	--	--	--
MW-3	02/11/94	336.93	10.68	326.25	--	--	--	--	--	--
MW-3	05/17/94	336.93	9.92	327.01	--	--	--	--	--	--
MW-3	08/25/94	336.93	11.30	325.63	--	--	--	--	--	--
MW-3	11/23/94	336.93	10.48	326.45	--	--	--	--	--	--
MW-3	02/15/95	336.93	8.35	328.58	--	--	--	--	--	--
MW-3	05/24/95	336.93	9.67	327.26	380	200	1.7	ND<0.5	0.6	NET
MW-4	08/12/92	337.14	11.36	325.78	--	--	--	--	--	--
MW-4	11/10/92	337.14	12.12	325.02	--	--	--	--	--	--
MW-4	02/10/93	337.14	9.40	327.74	--	--	--	--	--	--
MW-4	05/10/93	337.14	9.54	327.60	--	--	--	--	--	--
MW-4	08/12/93	337.14	10.68	326.46	--	--	--	--	--	--
MW-4	11/11/93	337.14	11.97	325.17	--	--	--	--	--	--
MW-4	02/11/94	337.14	10.71	326.43	--	--	--	--	--	--
MW-4	05/17/94	337.14	10.30	326.84	--	--	--	--	--	--
MW-4	08/25/94	337.14	10.84	326.30	--	--	--	--	--	--
MW-4	11/23/94	337.14	10.78	326.36	--	--	--	--	--	--
MW-4	02/15/95	337.14	9.49	327.65	--	--	--	--	--	--
MW-4	05/24/95	337.14	10.73	326.41	--	--	--	--	--	--

TABLE 3 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING  
 SHELL OIL COMPANY SERVICE STATION  
 7194 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)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	LAB
MW-5	08/12/92	334.96	9.40	325.56	---	---	---	---	---	---
MW-5	11/10/92	334.96	9.65	325.31	---	---	---	---	---	---
MW-5	02/10/93	334.96	7.97	326.99	---	---	---	---	---	---
MW-5	05/10/93	334.96	7.76	327.20	---	---	---	---	---	---
MW-5	08/12/93	334.96	8.75	326.21	---	---	---	---	---	---
MW-5	11/11/93	334.96	9.32	325.64	---	---	---	---	---	---
MW-5	02/11/94	334.96	8.97	325.99	---	---	---	---	---	---
MW-5	05/17/94	334.96	8.12	326.84	---	---	---	---	---	---
MW-5	08/25/94	334.96	9.19	325.77	---	---	---	---	---	---
MW-5	11/23/94	334.96	8.78	326.18	---	---	---	---	---	---
MW-5	02/15/95	334.96	6.88	328.08	---	---	---	---	---	---
MW-5	05/24/95	334.96	8.04	326.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NET
MW-6	08/12/92	335.42	9.72	325.70	---	---	---	---	---	---
MW-6	11/10/92	335.42	10.56	324.86	---	---	---	---	---	---
MW-6	02/10/93	335.42	7.65	327.77	---	---	---	---	---	---
MW-6	05/10/93	335.42	8.10	327.32	---	---	---	---	---	---
MW-6	08/12/93	335.42	9.18	326.24	---	---	---	---	---	---
MW-6	11/11/93	335.42	9.38	326.04	---	---	---	---	---	---
MW-6	02/11/94	335.42	9.02	326.40	---	---	---	---	---	---
MW-6	05/17/94	335.42	8.58	326.84	---	---	---	---	---	---
MW-6	08/25/94	335.42	9.79	325.63	---	---	---	---	---	---
MW-6	11/23/94	335.42	9.20	326.22	---	---	---	---	---	---
MW-6	02/15/95	335.42	7.36	328.06	---	---	---	---	---	---
MW-6	05/24/95	335.42	8.80	326.62	280	22	ND<0.5	ND<0.5	ND<0.5	NET
QC-1 (c)	05/24/95	---	---	---	330	25	ND<0.5	ND<0.5	ND<0.5	NET
MW-7	08/12/92	333.23	8.65	324.58	---	---	---	---	---	---
MW-7	11/10/92	333.23	8.82	324.41	---	---	---	---	---	---
MW-7	02/10/93	333.23	6.06	327.17	---	---	---	---	---	---
MW-7	05/10/93	333.23	6.65	326.58	---	---	---	---	---	---
MW-7	08/12/93	333.23	6.83	326.40	---	---	---	---	---	---
MW-7	11/11/93	333.23	6.90	326.33	---	---	---	---	---	---
MW-7	02/11/94	333.23	6.12	327.11	---	---	---	---	---	---
MW-7	05/17/94	333.23	6.06	327.17	---	---	---	---	---	---
MW-7	08/25/94	333.23	6.76	326.47	---	---	---	---	---	---
MW-7	11/23/94	333.23	6.75	326.48	---	---	---	---	---	---
MW-7	02/15/95	333.23	5.40	327.83	---	---	---	---	---	---
MW-7	05/24/95	333.23	6.82	326.41	---	---	---	---	---	---
MW-8	08/12/92	335.80	9.82	325.98	---	---	---	---	---	---
MW-8	11/10/92	335.80	10.41	325.39	---	---	---	---	---	---
MW-8	02/10/93	335.80	7.35	328.45	---	---	---	---	---	---
MW-8	05/10/93	335.80	6.65	329.15	---	---	---	---	---	---
MW-8	08/12/93	335.80	6.83	328.97	---	---	---	---	---	---
MW-8	11/11/93	335.80	6.90	328.90	---	---	---	---	---	---
MW-8	02/11/94	335.80	6.12	329.68	---	---	---	---	---	---
MW-8	05/17/94	335.80	6.06	329.74	---	---	---	---	---	---
MW-8	08/25/94	335.80	6.76	329.04	---	---	---	---	---	---
MW-8	11/23/94	335.80	6.75	329.05	---	---	---	---	---	---
MW-8	02/15/95	335.80	5.40	330.40	---	---	---	---	---	---
MW-8	05/24/95	335.80	7.56	328.24	---	---	---	---	---	---

TABLE 3 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING  
 SHELL OIL COMPANY SERVICE STATION  
 7194 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)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	LAB
MW-9	08/12/92	334.57	8.97	325.60	--	--	--	--	--	--
MW-9	11/10/92	334.57	8.97	325.60	--	--	--	--	--	--
MW-9	02/10/93	334.57	7.20	327.37	--	--	--	--	--	--
MW-9	05/10/93	334.57	7.56	327.01	--	--	--	--	--	--
MW-9	08/12/93	334.57	8.25	326.32	--	--	--	--	--	--
MW-9	11/11/93	334.57	10.30	324.27	--	--	--	--	--	--
MW-9	02/11/94	334.57	8.88	325.69	--	--	--	--	--	--
MW-9	05/17/94	334.57	8.06	326.51	--	--	--	--	--	--
MW-9	08/25/94	334.57	8.79	325.78	--	--	--	--	--	--
MW-9	11/23/94	334.57	8.65	325.92	--	--	--	--	--	--
MW-9	02/15/95	334.57	7.36	327.21	--	--	--	--	--	--
MW-9	05/24/95	334.57	7.75	326.82	--	--	--	--	--	--
MW-10 (d)	--	--	--	--	--	--	--	--	--	--
MW-11	08/12/92	334.20	8.75	325.45	--	--	--	--	--	--
MW-11	11/10/92	334.20	9.47	324.73	--	--	--	--	--	--
MW-11	02/10/93	334.20	6.79	327.41	--	--	--	--	--	--
MW-11	05/10/93	334.20	7.18	327.02	--	--	--	--	--	--
MW-11	08/12/93	334.20	8.10	326.10	--	--	--	--	--	--
MW-11	11/11/93	334.20	8.56	325.64	--	--	--	--	--	--
MW-11	02/11/94	334.20	8.21	325.99	--	--	--	--	--	--
MW-11	05/17/94	334.20	7.61	326.59	--	--	--	--	--	--
MW-11	08/25/94	334.20	8.68	325.52	--	--	--	--	--	--
MW-11	11/23/94	334.20	8.27	325.93	--	--	--	--	--	--
MW-11	02/15/95	334.20	6.46	327.74	--	--	--	--	--	--
MW-11	05/24/95	334.20	7.69	326.51	--	--	--	--	--	--
MW-12	08/12/92	332.53	9.83	322.70	--	--	--	--	--	--
MW-12	11/10/92	332.53	8.32	324.21	--	--	--	--	--	--
MW-12	02/10/93	332.53	6.75	325.78	--	--	--	--	--	--
MW-12 (e)	05/10/93	332.53	--	332.53	--	--	--	--	--	--
MW-12	08/12/93	332.53	6.23	326.30	--	--	--	--	--	--
MW-12	11/11/93	332.53	7.43	325.10	--	--	--	--	--	--
MW-12	02/04/94	332.53	7.18	325.35	--	--	--	--	--	--
MW-12	05/17/94	332.53	6.80	325.73	--	--	--	--	--	--
MW-12	08/25/94	332.53	7.24	325.29	--	--	--	--	--	--
MW-12	11/23/94	332.53	7.16	325.37	--	--	--	--	--	--
MW-12	02/15/95	332.53	5.16	327.37	--	--	--	--	--	--
MW-12	05/24/95	332.53	6.95	325.58	--	--	--	--	--	--

TABLE 3 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING  
SHELL OIL COMPANY SERVICE STATION  
7194 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)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	LAB
MW-13	08/12/92	335.64	10.91	324.73	---	---	---	---	---	---
MW-13	11/10/92	335.64	10.69	324.95	---	---	---	---	---	---
MW-13	02/10/93	335.64	7.49	328.15	---	---	---	---	---	---
MW-13	05/10/93	335.64	8.06	327.58	---	---	---	---	---	---
MW-13	08/12/93	335.64	8.73	326.91	---	---	---	---	---	---
MW-13	11/11/93	335.64	9.15	326.49	---	---	---	---	---	---
MW-13	02/11/94	335.64	9.12	326.52	---	---	---	---	---	---
MW-13	05/17/94	335.64	8.62	327.02	---	---	---	---	---	---
MW-13	08/25/94	335.64	9.32	326.32	---	---	---	---	---	---
MW-13	11/23/94	335.64	9.37	326.27	---	---	---	---	---	---
MW-13	02/15/95	335.64	8.42	327.22	---	---	---	---	---	---
MW-13	05/24/95	335.64	9.90	325.74	230	32	1.2	1.1	2.5	NET
RW-1	02/11/94	336.19	9.98	326.21	---	---	---	---	---	---
RW-1	05/17/94	336.19	9.29	326.90	---	---	---	---	---	---
RW-1	08/25/94	336.19	10.56	325.63	---	---	---	---	---	---
RW-1	11/23/94	336.19	10.07	326.12	---	---	---	---	---	---
RW-1	02/15/95	336.19	8.20	327.99	---	---	---	---	---	---
RW-1	05/24/95	336.19	9.66	326.53	---	---	---	---	---	---
QC-2	(f) 05/24/95	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NET

ABBREVIATIONS:

TPH-G Total petroleum hydrocarbons as gasoline  
 B Benzene  
 T Toluene  
 E Ethylbenzene  
 X Total xylenes  
 ug/l Micrograms per liter  
 ND Not detected above reported detection limit  
 --- Not analyzed/available  
 NET National Environmental Testing, 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) Blind duplicate.
- (d) Monitoring Well MW-10 was destroyed.
- (e) Well inaccessible due to parked car.
- (f) Trip blank.

E:\010-017\017-4-1C.WQ2

TABLE 4 - 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)
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-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-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

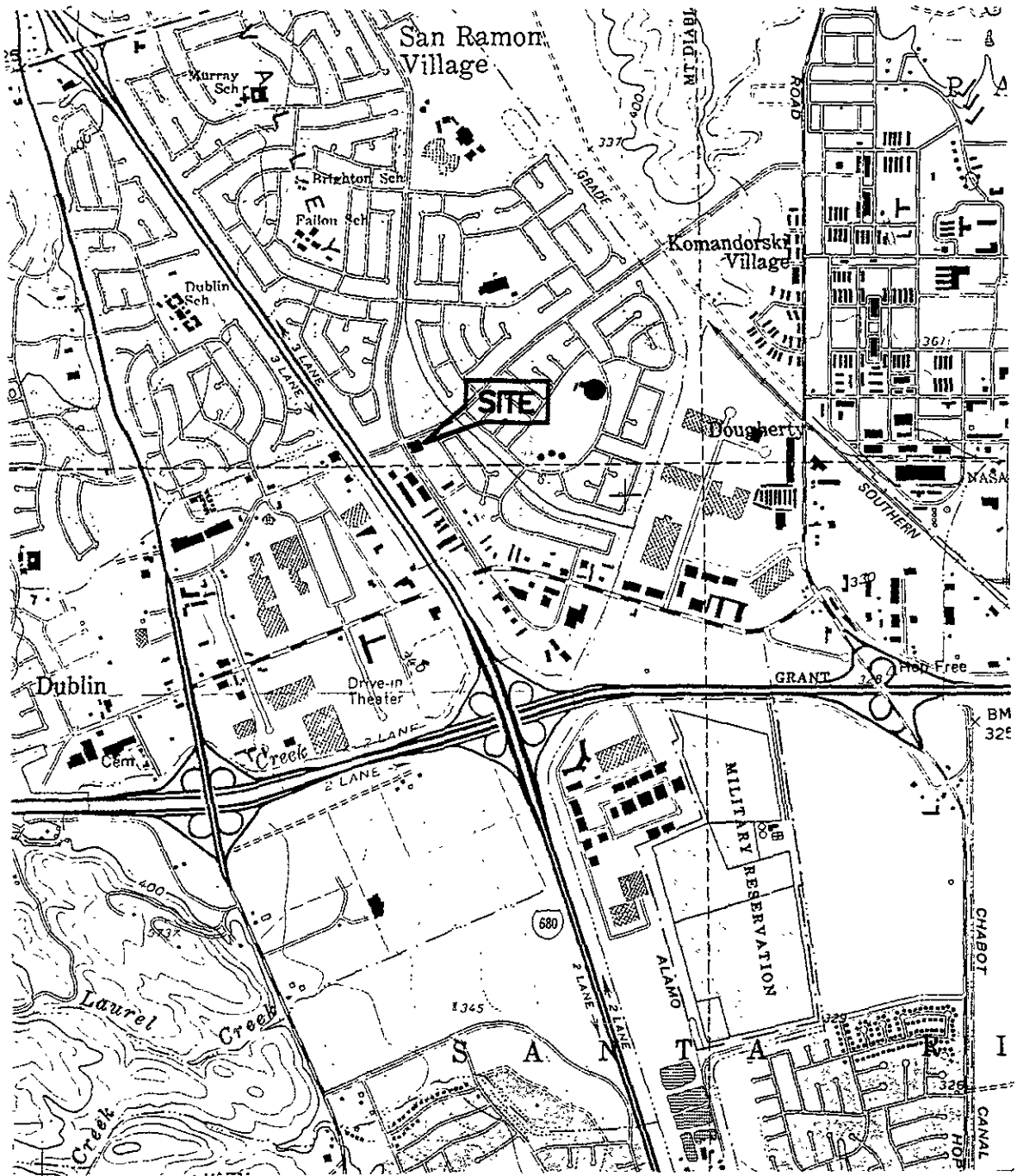
TABLE 4 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING  
 ARCO PRODUCTS SERVICE STATION 6041  
 7249 VILLAGE PARKWAY, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-017

WELL ID	DATE OF MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)
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-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-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

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, 1961.  
 PHOTOREVISED '980.

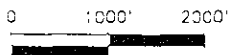


FIGURE 1

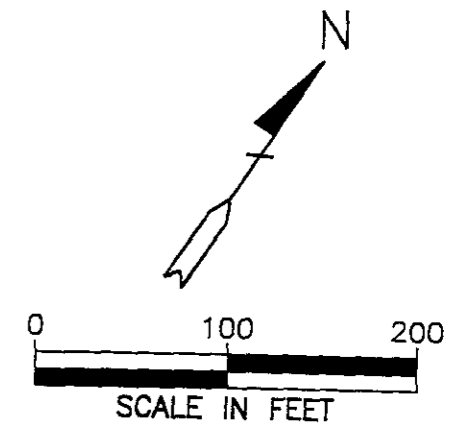
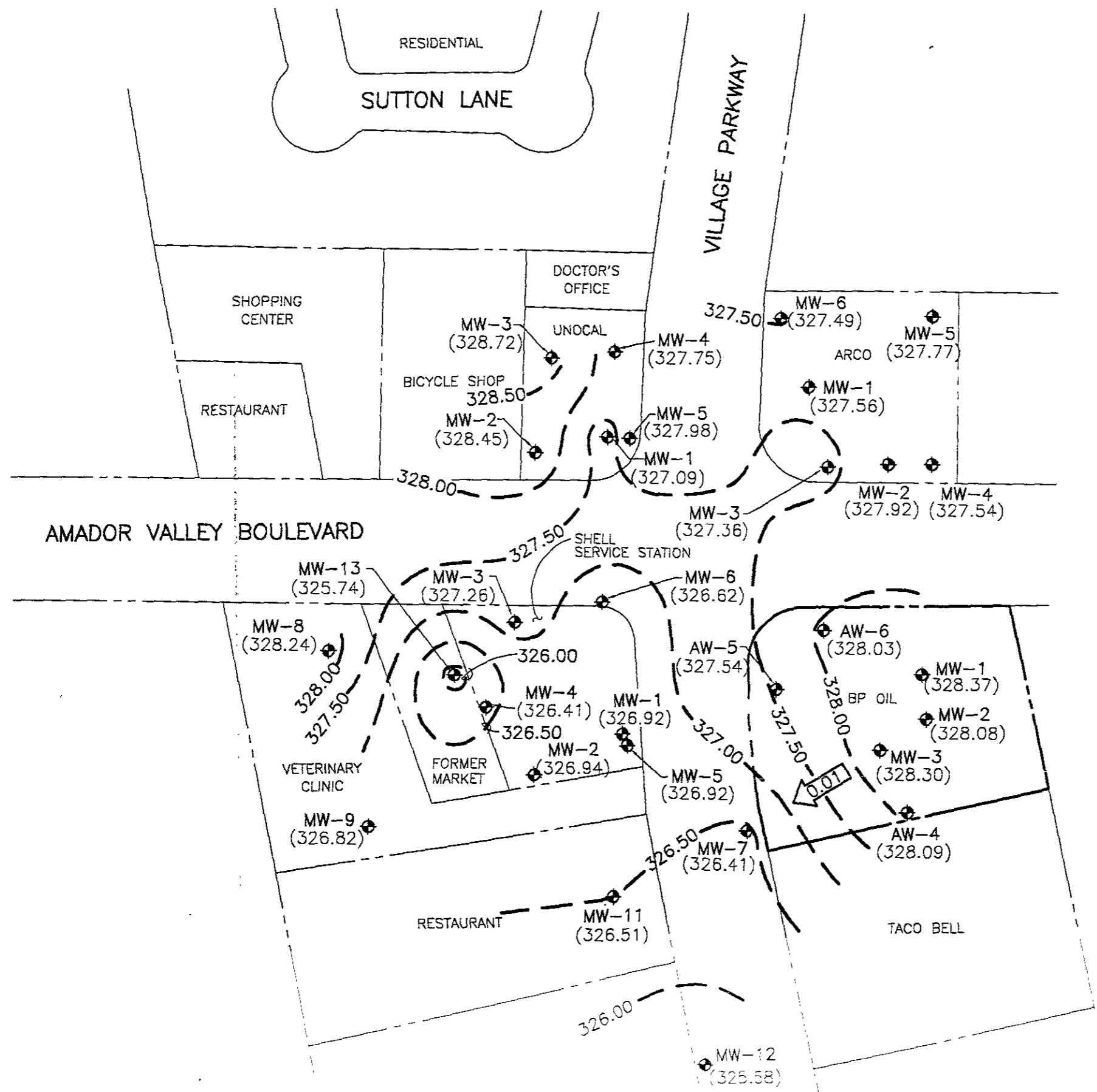
SITE VICINITY MAP

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



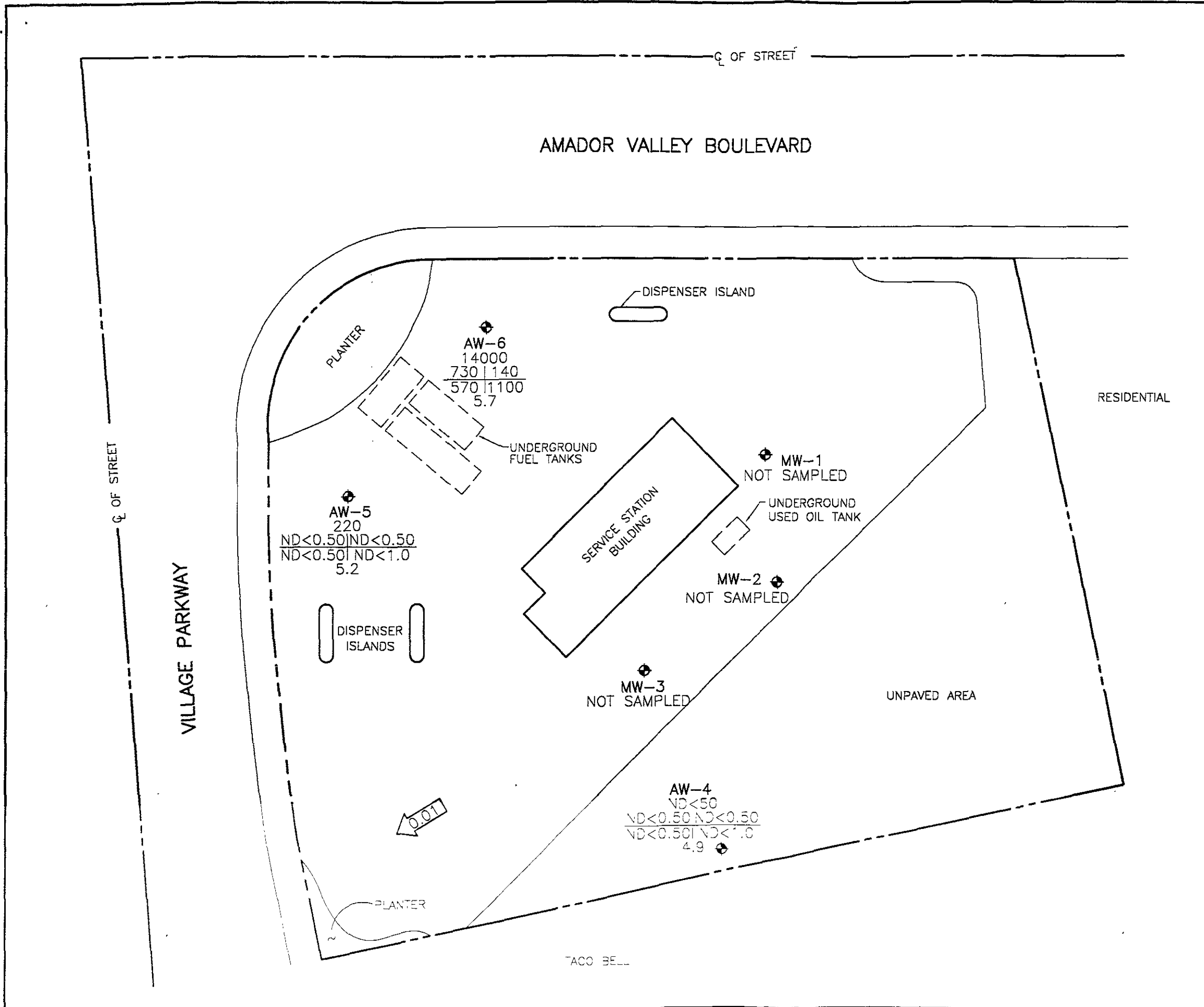
ALISTO ENGINEERING GROUP  
 WALNUT CREEK, CALIFORNIA





- LEGEND**
- ◆ GROUNDWATER MONITORING WELL
  - (325.58) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
  - - - 326.00 - GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL (CONTOUR INTERVAL=0.50 FOOT)
  - ← 0.01 → CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT

**FIGURE 2**  
**POTENTIOMETRIC GROUNDWATER ELEVATION CONTOUR MAP**  
 MAY 24, 1995  
 BP OIL SERVICE STATION NO. 11116  
 7197 VILLAGE PARKWAY  
 DUBLIN, CALIFORNIA  
 PROJECT NO. 10-017



**LEGEND**

- ◆ GROUNDWATER MONITORING WELL
- TPH-G CONCENTRATION OF CONSTITUENTS IN MICROGRAMS PER LITER, EXCEPT DISSOLVED OXYGEN, WHICH IS IN PARTS PER MILLION
- B | T BENZENE | TOLUENE
- E | X ETHYLBENZENE | TOTAL XYLENES
- DO DISSOLVED OXYGEN
- 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**  
 MAY 24, 1995  
 BP OIL SERVICE STATION NO. 11116  
 7197 VILLAGE PARKWAY  
 DUBLIN, CALIFORNIA  
 PROJECT NO. 10-017

10/27/95 11:30 AM

**APPENDIX A**

**WATER SAMPLING FIELD SURVEY FORMS**

# ALISTO ENGINEERING GROUP GROUNDWATER MONITORING

Client: BP Oil  
 Alisto Project No: 10-017-04-001  
 Service Station No: 11116

Date: 5-24-95  
 Field Personnel: D. Cusack  
 Site Address: 7197 Village Pkwy  
Dublin

**FIELD ACTIVITY:**

- Groundwater Monitoring
- Groundwater Sampling
- Well Development

**QUALITY CONTROL SAMPLES:**

- QC-1 Sample Duplicate (Well ID)
- QC-2 Trip Blank
- QC-3 Rinsate Blank

Lab ID

Well ID	Well Diam	Order Measured/ Sampled	Total Depth	Depth to Water	Depth to Product	Product Thick-ness	Comments
S-1	AW-4	4	34.15	5.32			
S-2	AW-5	4	32.90	7.27			
S-3	AW-6	4	16.50	6.87			
	MW1			6.80			NS
	MW2			6.50			NS
	MW3			6.83			NS

Notes:

---



---



---

Barrels:      Soil      Water      Dbl Contained      Empty      Soil Pile (Cu Yds)

# ALISTO

## Field Report / Sampling Data Sheet

ENGINEERING  
GROUP

1575 TREAT BOULEVARD, SUITE 201  
WALNUT CREEK CA 94596 (510) 295-1650 FAX 295-1823

Date '05/24/95 Project No. 10-017-04-001

Day M T W T H F Station No. 11116

Contract No. G31785; Address 7197 Village Parkway

Sampler City Dublin

WELL ID	SAMPLE #	WATER DEPTH	TIME	WELL ID	SAMPLE #	WATER DEPTH	TIME	WELL ID	SAMPLE #	WATER DEPTH	TIME
AW-4	S-1	5.32	10.50	MW-3	N/S	6.83	11.20				
AW-5	S-2	7.27	10.55								
AW-6	S-3	6.87	11.00								
MW-1	N/S	6.80	11.15								
MW-2	N/S	6.50	11.17								

### FIELD INSTRUMENT CALIBRATION DATA

PH METER ICM 4.00 4 7.00 7 10.00 0 TEMPERATURE COMPENSATED  N TIME 11.00  
 D.O. METER Lamelle BAROMETRIC PRESSURE 760 TEMP 67.9 WEATHER Cloudy ZERO d.O. SOLUTION \_\_\_\_\_  
 CONDUCTIVITY METER ICM 10,000 10,000 TURBIDITY METER \_\_\_\_\_ 5.0 NTU \_\_\_\_\_ OTHER \_\_\_\_\_

Well ID	Depth to Water	Diam	Cap/Lock	Product	Depth	Iridescence	Gal.	Time	Temp *F	pH	E.C.	D.O.	
AW-4	5.32	4"	OK			Y (N)	14	11.45	65.6	7.41	6.83ms	5.1	<input type="radio"/> EPA 601 _____ <input checked="" type="radio"/> TPH-G/BTEX HCL
Total Depth Water Level - x Well Vol. Factor = x#vol. to Purge = Purge Vol.							28		65.6	7.37	8.19ms		<input type="radio"/> TPH Diesel _____ <input type="radio"/> TOG 5520 _____
34.15 - 5.32 = 28.83 x .65 = 18.74 x 3 = 56.22							32		65.2	7.25	8.25ms		
Purge Method: <input checked="" type="checkbox"/> Surface Pump <input type="checkbox"/> Disp. Tube <input type="checkbox"/> Winch <input type="checkbox"/> Disp. Baller(s) _____ OSys Port							56.5	12.15	65.0	7.22	8.26ms	4.9	TIME/SAMPLE ID
Comments:													1220 / S-1

Well ID	Depth to Water	Diam	Cap/Lock	Product	Depth	Iridescence	Gal.	Time	Temp *F	pH	E.C.	D.O.	
AW-5	7.27	4"	OK			Y (N)	13	12.30	66.7	7.85	1.78ms	5.6	<input type="radio"/> EPA 601 _____ <input checked="" type="radio"/> TPH-G/BTEX HCL
Total Depth Water Level - x Well Vol. Factor = x#vol. to Purge = Purge Vol.							27		67.4	7.82	1.97ms		<input type="radio"/> TPH Diesel _____ <input type="radio"/> TOG 5520 _____
32.90 - 7.27 = 25.63 x .65 = 16.66 x 3 = 49.98							40		68.0	7.87	2.01ms		
Purge Method: <input checked="" type="checkbox"/> Surface Pump <input type="checkbox"/> Disp. Tube <input type="checkbox"/> Winch <input type="checkbox"/> Disp. Baller(s) _____ OSys Port							50	13.00	68.1	7.86	2.03ms	5.2	TIME/SAMPLE ID
Comments:													1302 / S-2

Well ID	Depth to Water	Diam	Cap/Lock	Product	Depth	Iridescence	Gal.	Time	Temp *F	pH	E.C.	D.O.	
AW-6	6.87	4"	OK			Y (N)	25	13.15	68.7	8.11	5.12ms	5.9	<input type="radio"/> EPA 601 _____ <input checked="" type="radio"/> TPH-G/BTEX HCL
Total Depth Water Level - x Well Vol. Factor = x#vol. to Purge = Purge Vol.							50	13.30	66.7	8.02	5.22ms		<input type="radio"/> TPH Diesel _____ <input type="radio"/> TOG 5520 _____
16.50 - 6.87 = 9.63 x 10 = 96.30 gal							75	13.40	67.8	7.62	5.04ms		
Purge Method: <input checked="" type="checkbox"/> Surface Pump <input type="checkbox"/> Disp. Tube <input type="checkbox"/> Winch <input type="checkbox"/> Disp. Baller(s) _____ OSys Port							100	13.50	67.9	7.54	5.02ms	5.7	TIME/SAMPLE ID
Comments: <u>QC-1 Dup taken from this well</u>													1400 / S-3

Purged 237.5 additional gal. PAGE 1 OF 1

**APPENDIX B**

**LABORATORY REPORT AND CHAIN OF CUSTODY RECORD**



Analytical **Technologies, Inc.**

Corporate Offices, 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.: 505275

June 09, 1995

ALISTO ENGINEERING  
1777 OAKLAND BOULEVARD, SUITE 200  
WALNUT CREEK, CA 94596

Project Name: BP SITE#11116/DUBLIN, CA  
Project # : G317853/10-017-04/001

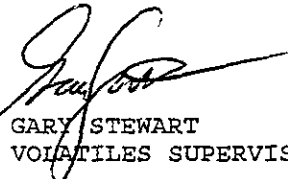
Attention: BILL HOWELL


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

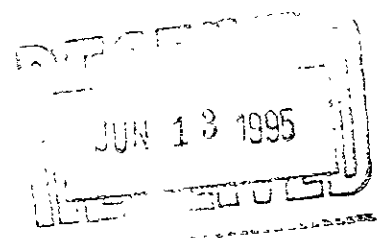
<u>Date Received</u>	<u>Quantity</u>	<u>Matrix</u>
May 26, 1995	5	WATER

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.

  
GARY STEWART  
VOLATILES SUPERVISOR

  
ALAN J. KLEINSCHMIDT  
LABORATORY MANAGER



Client : ALISTO ENGINEERING  
Project # : G317853/10-017-04/001  
Project Name: BP SITE#11116/DUBLIN, CA

Report Date: June 09, 1995  
ATI I.D. : 505275

ATI #	Client Description	Matrix	Date Collected
1	S-1	WATER	24-MAY-95
2	S-2	WATER	24-MAY-95
3	S-3	WATER	24-MAY-95
4	S-4	WATER	24-MAY-95
5	S-5	WATER	24-MAY-95

---TOTALS---

<u>Matrix</u>	<u># Samples</u>
WATER	5

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.





Client : ALISTO ENGINEERING  
Project # : G317853/10-017-04/001  
Project Name: BP SITE#11116/DUBLIN, CA

ATI I.D.: 505275

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



Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)  
 Client : ALISTO ENGINEERING  
 Project # : G317853/10-017-04/001  
 Project Name: BP SITE#11116/DUBLIN, CA

ATI I.D. : 505275

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	S-1	WATER	24-MAY-95	N/A	05-JUN-95	1.00
2	S-2	WATER	24-MAY-95	N/A	05-JUN-95	1.00
3	S-3	WATER	24-MAY-95	N/A	05-JUN-95	20.00

Parameter	Units	1	2	3
BENZENE	UG/L	<0.50	<0.50	730
TOLUENE	UG/L	<0.50	<0.50	140
ETHYLBENZENE	UG/L	<0.50	<0.50	570
XYLENES (TOTAL)	UG/L	<1.0	<1.0	1100
FUEL HYDROCARBONS	UG/L	<50	220	14000
HYDROCARBON RANGE		C6-C12	C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE

<u>SURROGATES</u>				
TRIFLUOROTOLUENE	%	98	97	109



Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)  
 Client : ALISTO ENGINEERING ATI I.D. : 505275  
 Project # : G317853/10-017-04/001  
 Project Name: BP SITE#111116/DUBLIN, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	S-4	WATER	24-MAY-95	N/A	05-JUN-95	20.00
5	S-5	WATER	24-MAY-95	N/A	05-JUN-95	1.00

Parameter	Units	4	5
BENZENE	UG/L	750	<0.50
TOLUENE	UG/L	140	<0.50
ETHYLBENZENE	UG/L	570	<0.50
XYLENES (TOTAL)	UG/L	1100	<1.0
FUEL HYDROCARBONS	UG/L	15000	<50
HYDROCARBON RANGE		C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE

SURROGATES			
TRIFLUOROTOLUENE	%	109	94



REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)  
Blank I.D. : 35599  
Client : ALISTO ENGINEERING  
Project # : G317853/10-017-04/001  
Project Name: BP SITE#11116/DUBLIN, CA

ATI I.D. : 505275  
Date Extracted: N/A  
Date Analyzed : 05-JUN-95  
Dil. Factor : 1.00

Parameters	Units	Results
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
<u>SURROGATES</u>		
TRIFLUOROTOLUENE	%	98



MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
MSMSD # : 76117
Client : ALISTO ENGINEERING

ATI I.D. : 505275
Date Extracted: N/A
Date Analyzed : 02-JUN-95
Sample Matrix : WATER
REF I.D. : 505262-01

Project # : G317853/10-017-04/001
Project Name: BP SITE#11116/DUBLIN, CA

Table with 9 columns: Parameters, Units, Sample Result, Conc Spike, Spiked Sample, % Rec, Dup Spike, Dup % Rec, RPD. Rows include BENZENE and TOLUENE.

% Recovery = (Spike Sample Result - Sample Result)\*100/Spike Concentration

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



BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)  
Blank Spike #: 56898  
Client : ALISTO ENGINEERING  
Project # : G317853/10-017-04/001  
Project Name : BP SITE#11116/DUBLIN, CA

ATI I.D. : 505275  
Date Extracted: N/A  
Date Analyzed : 05-JUN-95  
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	4.8	5.0	96
TOLUENE	UG/L	<0.50	4.8	5.0	96

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

**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 <input checked="" type="radio"/>
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 ?  a) are Custody Seals present on Cooler(s) ?  If yes, are seals intact ? <span style="float: right;">(N/A)</span>  b) are Custody Seals present on the sample ? <span style="float: right;">(N/A)</span>  If yes, are seals intact ? <span style="float: right;">(N/A)</span>	YES	NO <input checked="" type="radio"/> <span style="float: right;">(N/A)</span>
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 <input checked="" type="radio"/>	NO
5	Is the COC complete per cooler ? Relinquished: <input checked="" type="radio"/> yes / no    Requested analysis: <input checked="" type="radio"/> yes / no	YES <input checked="" type="radio"/>	NO
6	Is the COC in agreement with the samples received? # Samples: <input checked="" type="radio"/> yes / no    Sample ID's: <input checked="" type="radio"/> yes / no    Data sampled: <input checked="" type="radio"/> yes / no Matrix: <input checked="" type="radio"/> yes / no    # containers: <input checked="" type="radio"/> yes / no	YES <input checked="" type="radio"/>	NO
7	Are the samples preserved correctly?	YES <input checked="" type="radio"/>	NO
8	Is there enough sample for all the requested analyses?	YES <input checked="" type="radio"/>	NO
9	Are all samples within holding times for the requested analyses?	YES <input checked="" type="radio"/>	NO
10	Record cooler temperature. Contact PM if temperature is not 4°C ± 2°C.  Is ice present in cooler?	3.0 °C	
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	YES <input checked="" type="radio"/>	NO
12	Are samples requiring no headspace, headspace free? <span style="float: right;">N/A</span>	YES <input checked="" type="radio"/>	NO
13	Are VOA 1st stickers required?	YES <input checked="" type="radio"/>	NO <input checked="" type="radio"/>
14	Are there special comments on the Chain of Custody which require client contact?	YES <input checked="" type="radio"/>	NO <input checked="" type="radio"/> <span style="float: right;">(N/A)</span>
15	If yes, was ATI Project Manager notified?	YES <input checked="" type="radio"/>	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



# CHAIN OF CUSTODY

No. 055908

Page 1 of 1

CONSULTANT'S NAME: Allisto Engineering ADDRESS: 1575 Treat Blvd #201 CITY: W.C. STATE: Ca ZIP CODE: 94596

BP SITE NUMBER: 11116 BP CORNER ADDRESS/CITY: Dublin, Ca CONSULTANT PROJECT NUMBER: 10-017-04/001

CONSULTANT PROJECT MANAGER: Bill Howell PHONE NUMBER: (510) 295-1650 FAX NUMBER: 295-1823 CONSULTANT CONTRACT NUMBER: 6317753

BP CONTACT: Scott Hooton BP ADDRESS: Renton, WA PHONE NUMBER: \_\_\_\_\_ FAX NO: \_\_\_\_\_

LAB CONTACT: \_\_\_\_\_ LABORATORY ADDRESS: San Diego, Ca PHONE NUMBER: \_\_\_\_\_ FAX NO: \_\_\_\_\_

SAMPLED BY (Please Print Name): Larry Buenavista SAMPLED BY (Signature): [Signature] SHIPMENT DATE: \_\_\_\_\_ SHIPMENT METHOD: Fed Express

TAI:  24 Hours  48 Hours  1 Week  Standard 2 Weeks

ANALYSIS REQUIRED AIRBILL NUMBER: 4531331475

SAMPLE DESCRIPTION	COLLECTION DATE	MATRIX SOIL/WATER	CONTAINERS		PRESERVATIVE	COMMENTS
	COLLECTION TIME		NO.	TYPE (VOL.)	LAB SAMPLE #	
S-1	5/24/95	W	2	All	01	TRAP X 10/26/95
S-2	↓	↓	↓	↓	02	
S-3	↓	↓	↓	↓	03	
S-4	↓	↓	↓	↓	04	
S-5	↓	↓	↓	↓	05	

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	ADDITIONAL COMMENTS
<u>[Signature]</u>	<u>5/25/95</u>		<u>[Signature]</u>			<u>505275</u>
			<u>[Signature]</u>	<u>10/26/95</u>	<u>10:15</u>	<u>20°C</u>