



BP OIL

BP Oil Company
Environmental Resources Management
Building 13, Suite N
295 SW 41st Street
Renton, Washington 98055-4931
(206) 251-0667
Fax No: (206) 251-0736

February 21, 1996

Alameda County Health Care Services Agency
Attention Ms. Juliet Shin - Senior Hazardous Materials Specialist
1131 Harbor Bay Parkway, Ste. 250
Alameda, CA 94502-6577

RE: BP Oil Site No. 11270
3255 McCartney Road
Alameda, CA

Dear Ms. Shin:

Enclosed find a report entitled Groundwater Monitoring and Sampling Report, dated September 15, 1995. I apologize for any inconvenience that the delay in transmitting this report may have caused.

As I mentioned in prior correspondence, all of the monitoring wells were sampled for total dissolved solids (TDS) during this sampling event. I believe you can agree that the TDS concentrations show that groundwater in the vicinity of the site should not be considered to be of present or future beneficial use. You will note that the averaged TDS concentration (including upgradient well XW-1) is over two times the 3,000 mg/L TDS ceiling for a present or future beneficial use aquifer. It seems reasonable to conclude that the petroleum release at this site has not affected groundwater with a present or future beneficial use.

While groundwater is not of present or future beneficial use, I understand that the Alameda County Health Care Services Agency is concerned that remnant concentrations of petroleum hydrocarbons may adversely affect aquatic life or humans, depending on the migration or vaporization potential. Those concerns were articulated in your June 12, 1995 letter, and I would like to take this opportunity to address them.

In order to evaluate the potential for petroleum hydrocarbon concentrations in the groundwater to adversely affect humans through the outdoor volatilization pathway, I compared the monitoring data to the Tier 1 Risk-Based Screening Level Look-Up Table¹. I noted that ethylbenzene, toluene, xylenes (mixed), naphthalene, and benzo(a)pyrene should not be considered problematic because the concentrations required to pose a significant risk exceeds the solubility of the pure compound in water. It seems reasonable to conclude that TPH-G/TPH-D should not be expected to pose a risk using a similar

¹ American Society For Testing And Materials Emergency Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites (ASTM Designation ES 38-94)

rationale. I also noted that the benzene concentration reported for the highest risk level under the most sensitive receptor scenario (one extra case of cancer per million of exposed people in a residential exposure setting) is 11 mg/l. The highest concentration of benzene reported in the groundwater at this site is 250 µg/L, which is over 40 times less than the ASTM target level. I also noted that the assumptions upon which the ASTM target level is based are very conservative (that is to say, tend to overestimate the level of risk), and that the assumptions upon which the lookup values are based can be viewed as appropriate assumptions given the detected benzene concentrations at this site. It seems reasonable, then, to conclude that benzene concentrations reported in the groundwater should not be considered to pose a risk to human health as a result of vaporization to ambient air.

Regarding the potential to effect aquatic life, I believe you can agree that the prior monitoring data shows that the release is not migrating to any significant extent. The nearest surface water body appears to be located to the north (cross-gradient of the direction of groundwater flow at this site). That body of surface water appears to be located over 500 feet to the north based on my reading of the vicinity map shown in the enclosed report. It seems reasonable to conclude that remnant petroleum hydrocarbon concentrations should not be expected to adversely impact aquatic life.

Based on the forgoing, it appears that no further work is necessary or warranted and case closure is appropriate. If, on the other hand, you would like to discuss this matter further, please give me a call. I look forward to receiving a letter of "no further action" at your earliest convenience.

Please give me a call if you have any questions, comments or concerns regarding this matter. I can be reached at (206) 251-0689.

Sincerely,



Scott Hooton

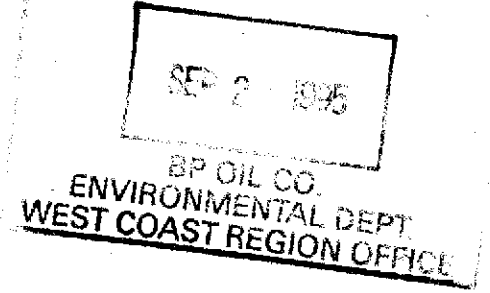
Environmental Remediation Management

cc: site file
A. Sevilla - Alisto
Mr. Larry Cummins, RREEF Engineering Group, 1301 Dove Street, #460,
Newport Beach, CA 92660 (w/attachment)
Mr. Jim Pate, RREEF Management Company, 230-A Alamo Plaza, Alamo, CA
94507 (w/attachment)
CRWQCB-SFBR, Attention Mr. E. So, 2101 Webster Street, Ste. 500, Oakland,
CA 94612 (w/attachment)

GROUNDWATER MONITORING AND SAMPLING REPORT

BP Oil Company Service Station No. 11270
3255 Mecartney Road
Alameda, California

Project No. 10-206-02-002



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

September 15, 1995

Handwritten signature of Dale Swain in cursive script.

Dale Swain
Project Manager

Handwritten signature of Al Sevilla in cursive script.

Al Sevilla, P.E.
Principal



GROUNDWATER MONITORING AND SAMPLING REPORT

BP Oil Company Service Station No. 11270
3255 Mecartney Road
Alameda, California

Project No. 10-206-02-002

September 15, 1995

INTRODUCTION

This report presents the results and findings of the July 19, 1995 groundwater monitoring and sampling conducted by Alisto Engineering Group at BP Oil Company Service Station No. 11270, 3255 Mecartney Road, Alameda, California. A site vicinity map is shown in Figure 1.

FIELD PROCEDURES

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

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

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

SAMPLING AND ANALYTICAL RESULTS

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



TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
 BP OIL COMPANY SERVICE STATION NO. 11270
 3255 MCGARTNEY ROAD, ALAMEDA, CALIFORNIA

ALISTO PROJECT NO. 10-208

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)	TDS (mg/l)	DO (ppm)	LAB
MW-1 (c)	10/29/92	12.50	7.28	5.22	---	---	---	---	---	---	---	---	---
MW-1 (c)	06/21/93	12.50	5.40	7.10	---	---	---	---	---	---	---	---	---
MW-1	04/05/94	12.50	5.64	6.86	1700	---	20	1.1	3.9	7.6	---	---	PACE
MW-1	07/28/94	12.50	6.22	6.28	---	---	---	---	---	---	---	---	PACE
MW-1	10/26/94	12.50	6.40	6.10	---	---	---	---	---	---	---	---	---
MW-1 (d)	02/05/95	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	10/29/92	12.08	6.84	5.24	2500	3900	140	ND<10	65	22	---	---	---
MW-2	06/21/93	12.08	5.49	6.59	720	770	12	1.5	11	12	---	---	---
MW-2	04/05/94	12.08	5.40	6.68	420	1300	ND<0.5	ND<0.5	ND<0.5	4.0	---	1.8	PACE
MW-2	07/28/94	12.08	5.97	6.11	---	---	---	---	---	---	---	---	PACE
MW-2	10/26/94	12.08	6.10	5.98	---	---	---	---	---	---	---	---	---
MW-2 (d)	02/05/95	---	---	---	---	---	---	---	---	---	---	---	---
MW-3 (c)	10/29/92	12.09	7.14	4.95	---	---	---	---	---	---	---	---	---
MW-3 (c)	06/21/93	12.09	5.84	6.25	---	---	---	---	---	---	---	---	---
MW-3	04/05/94	12.09	5.83	6.26	990	4300	3.2	ND<0.5	ND<0.5	1.3	---	---	PACE
MW-3	07/28/94	12.09	6.32	5.77	---	---	---	---	---	---	---	---	PACE
MW-3	10/26/94	12.09	6.42	5.67	---	---	---	---	---	---	---	---	---
MW-3 (d)	02/05/95	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	10/29/92	12.14	8.90	5.24	2600	---	250	2.5	74	6.6	---	---	---
MW-4	06/21/93	12.14	5.54	6.60	1400	1100	24	2.9	2.6	7.9	---	---	---
MW-4	04/05/94	12.14	5.48	6.68	830	940	33	0.8	ND<0.5	2.6	---	2.7	PACE
MW-4	07/28/94	12.14	6.02	6.12	2400	1400	19	1.8	0.5	8.0	---	8.7	PACE
QC-1 (e)	07/28/94	---	---	---	2300	---	19	1.7	0.5	7.4	---	---	PACE
MW-4	10/26/94	12.14	6.13	6.01	---	---	---	---	---	---	---	---	---
MW-4 (d)	02/05/95	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	06/21/93	13.37	7.44	5.93	ND<50	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
MW-5	04/05/94	13.37	7.42	5.95	ND<50	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	2.5	PACE
QC-1 (e)	04/05/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-5	07/28/94	13.37	7.88	5.49	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	7.4	PACE
MW-5	10/26/94	13.37	7.92	5.45	ND<50	160	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	5.5	PACE
QC-1 (e)	10/26/94	---	---	---	ND<50	---	ND<0.5	0.5	ND<0.5	ND<0.5	---	---	PACE
MW-5	02/05/95	8.36 (f)	7.83	0.53 (g)	ND<50	ND<500	ND<0.25	ND<0.25	ND<0.25	ND<0.50	---	---	ATI
QC-1 (e)	02/05/95	---	---	---	ND<50	---	ND<0.25	ND<0.25	ND<0.25	ND<0.50	---	---	ATI
MW-5	05/05/95	8.36	9.00	-0.64	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	3.1	ATI
MW-5	07/19/95	8.36	9.03	-0.67	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	14700	4.6	ATI
MW-6	02/05/95	6.88 (f)	6.39	0.49 (g)	1000	1000	7.6	19	9.1	96	---	5.0	ATI
MW-6	05/05/95	6.88	6.85	0.03	2300	---	49	9.0	130	48	---	3.3	ATI
QC-1 (e)	05/05/95	---	---	---	2400	---	49	9.2	140	48	---	---	ATI
MW-6	07/19/95	6.88	7.30	-0.25	1000	---	84	3.3	26	24	---	3.7	ATI
QC-1 (e)	07/19/95	---	---	---	---	---	88	3.6	30	26	818	---	ATI
MW-7	02/05/95	6.62 (f)	7.62	-1.00 (g)	280	ND<500	ND<0.25	ND<0.25	ND<0.25	ND<0.50	---	5.1	ATI
MW-7	05/05/95	6.62	7.64	-1.02	290	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	3.6	ATI
MW-7	07/19/95	6.62	7.70	-1.06	150	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	12100	4.6	ATI

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
 BP OIL COMPANY SERVICE STATION NO. 11270
 3255 MEGARTNEY ROAD, ALAMEDA, CALIFORNIA

ALISTO PROJECT NO. 10-206

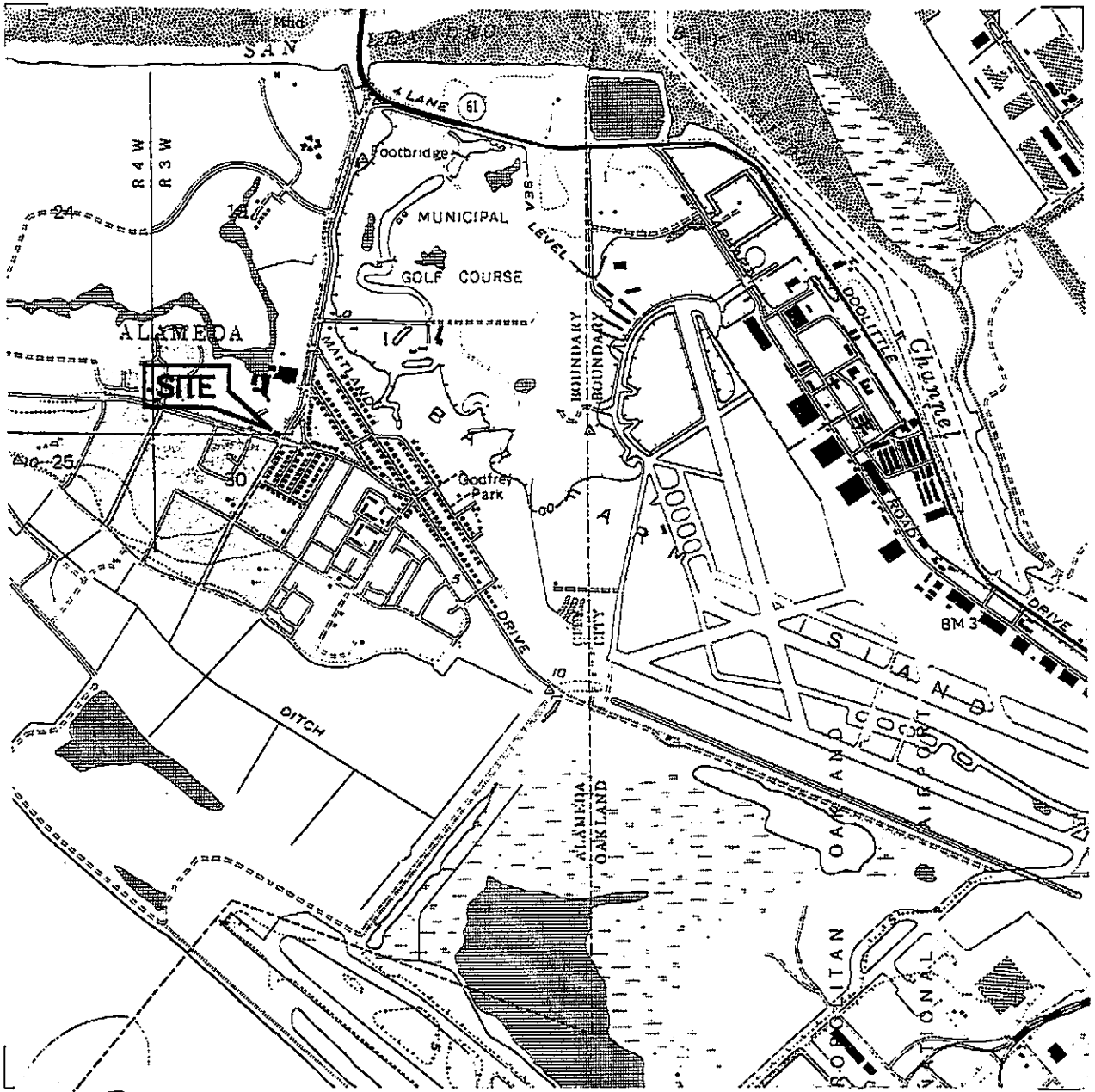
WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	TDS (mg/l)	DO (ppm)	LAB
XW-1	06/21/93	---	---	---	---	---	---	---	---	---	---	---	---
XW-1	04/05/94	---	5.38	---	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	3.0	PACE
XW-1	07/28/94	---	5.92	---	---	---	---	---	---	---	---	---	PACE
XW-1	10/26/94	---	6.05	---	---	---	---	---	---	---	---	---	---
XW-1	02/05/95	7.49 (f)	5.82	1.67 (g)	ND<50	ND<500	ND<0.25	ND<0.25	ND<0.25	ND<0.50	---	4.9	ATI
XW-1	05/05/95	7.49	5.57	1.92	---	---	---	---	---	---	---	---	---
XW-1	07/19/95	7.49	6.12	1.37	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1680	4.3	ATI
XW-2	06/21/93	12.50	5.89	6.61	---	---	---	---	---	---	---	---	---
XW-2	04/05/94	12.50	5.77	6.73	ND<50	160	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	3.0	PACE
XW-2	07/28/94	12.50	6.25	6.25	---	---	---	---	---	---	---	---	PACE
XW-2	10/26/94	12.50	6.39	6.11	---	---	---	---	---	---	---	---	---
XW-2	02/05/95	7.48 (f)	5.62	1.86 (g)	ND<50	ND<500	ND<0.25	0.38	ND<0.25	ND<0.50	---	5.2	ATI
XW-2	05/05/95	7.48	5.66	1.82	---	---	---	---	---	---	---	---	---
XW-2	07/19/95	7.48	5.80	0.68	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	4750	3.9	ATI
XW-3	06/21/93	11.85	5.85	6.00	---	---	---	---	---	---	---	---	---
XW-3	04/05/94	11.85	5.85	6.00	ND<50	150	ND<0.5	0.7	ND<0.5	ND<0.5	---	3.1	PACE
XW-3	07/28/94	11.85	6.28	5.57	---	---	---	---	---	---	---	---	PACE
XW-3	10/26/94	11.85	6.40	5.45	---	---	---	---	---	---	---	---	---
XW-3	02/05/95	8.84 (f)	7.23	-0.39 (g)	280	ND<500	ND<0.50	ND<0.50	0.83	ND<1.0	---	4.9	ATI
XW-3	05/05/95	8.84	7.43	-0.59	---	---	---	---	---	---	---	---	---
XW-3	07/19/95	8.84	7.60	-0.76	400	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	10400	4.3	ATI
QC-2 (h)	04/05/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2 (h)	07/28/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2 (h)	10/26/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
QC-2 (h)	02/05/95	---	---	---	ND<50	---	ND<0.25	ND<0.25	ND<0.25	ND<0.50	---	---	ATI
QC-2 (h)	05/05/95	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	ATI
QC-2 (h)	07/19/95	---	---	---	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
 TDS Total dissolved solids
 DO Dissolved oxygen
 ug/l Micrograms per liter
 mg/l Milligrams per liter
 ppm Parts per million
 --- Not analyzed/measured/applicable
 ND Not detected above reported detection limit
 PACE Pace, Inc.
 ATI Analytical Technologies, Inc.

NOTES:

(a) Casing elevations surveyed to nearest 0.01 foot above mean sea level.
 (b) Groundwater elevations in feet above mean sea level.
 (c) Not sampled due to inadequate recharge.
 (d) Wells were destroyed by HETI on January 16 and 19, 1995.
 (e) Blind duplicate.
 (f) Top of casing elevation surveyed in reference to an arbitrary benchmark; top of hydrant = 10.00 feet above datum.
 (g) Groundwater elevation relative to an arbitrary datum.
 (h) Travel blank.



SOURCE:
 USGS MAP, SAN LEANDRO QUADRANGLE,
 7.5 MINUTE SERIES, 1959.
 PHOTOREVISED 1980.

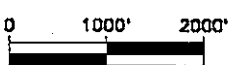


FIGURE 1

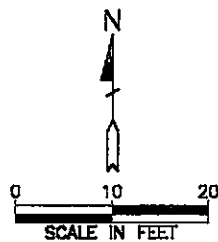
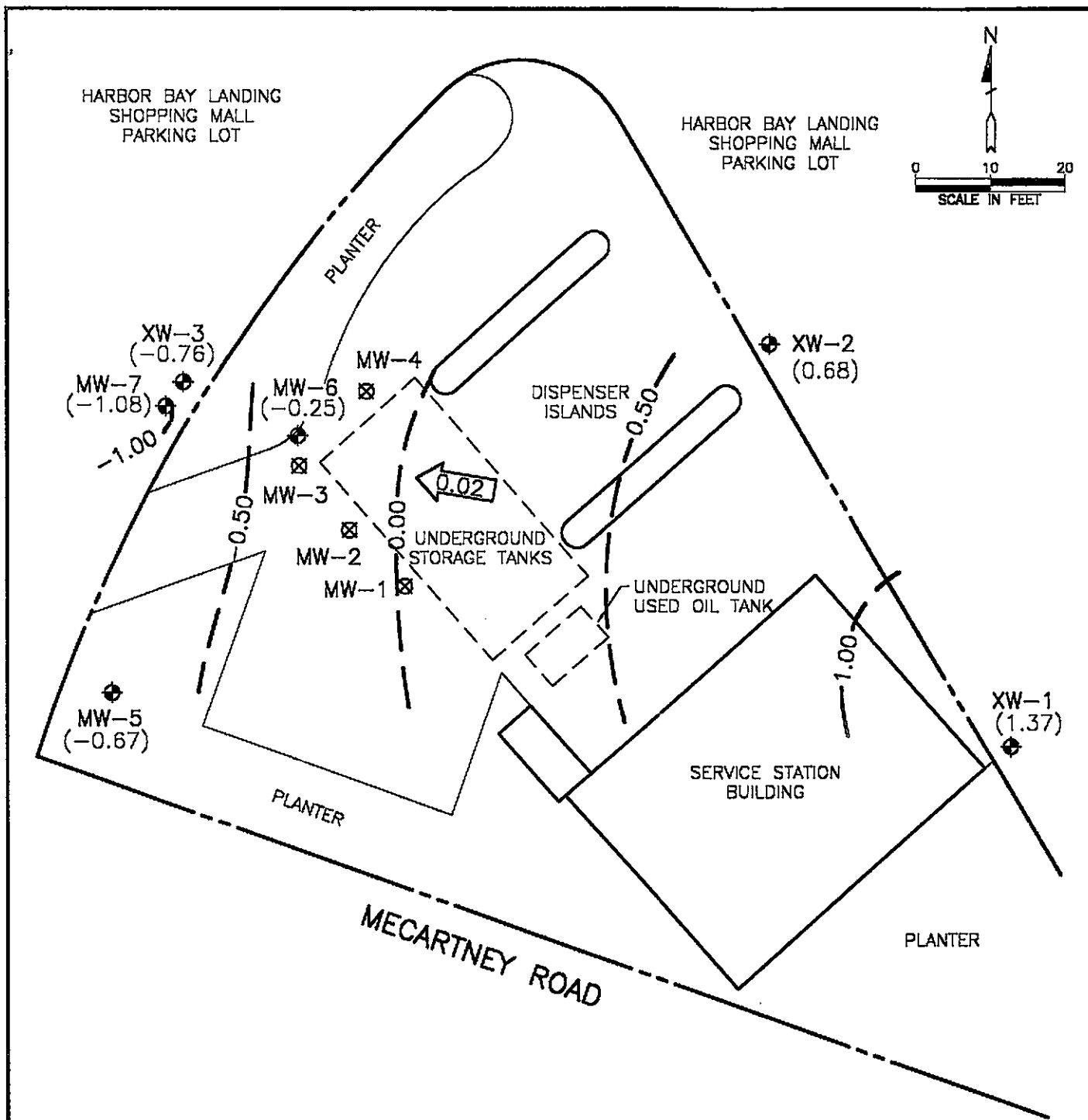
VICINITY MAP

BP OIL SERVICE STATION NO. 11270
3255 MECARTNEY ROAD
ALAMEDA, CALIFORNIA

PROJECT NO. 10-206



ALISTO ENGINEERING GROUP
 WALNUT CREEK, CALIFORNIA



LEGEND

- ⊕ GROUNDWATER MONITORING WELL
- ⊗ DESTROYED WELL
- 0.68 GROUNDWATER ELEVATION IN FEET ABOVE AN ARBITRARY DATUM
- 0.50 GROUNDWATER ELEVATION CONTOUR IN FEET RELATIVE TO AN ARBITRARY DATUM (CONTOUR INTERVAL=0.50 FOOT)
- ←0.02 CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT

FIGURE 2

POTENTIOMETRIC GROUNDWATER ELEVATION CONTOUR MAP

JULY 19, 1995

BP OIL SERVICE STATION NO. 11270
 3255 MECARTNEY ROAD
 ALAMEDA, CALIFORNIA

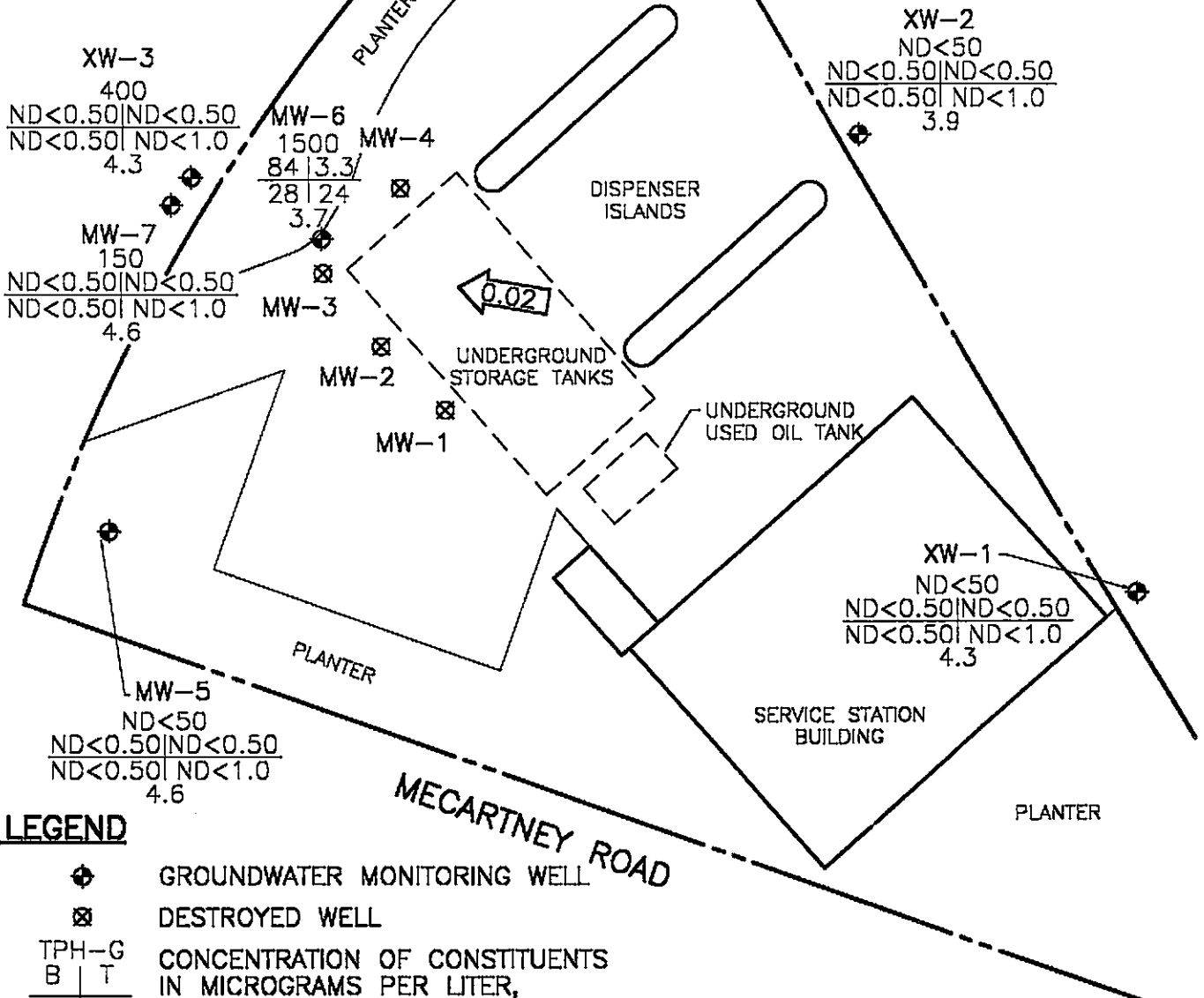
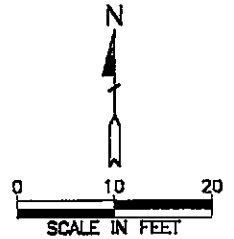
PROJECT NO. 10-206



ALISTO ENGINEERING GROUP
 WALNUT CREEK, CALIFORNIA

HARBOR BAY LANDING
SHOPPING MALL
PARKING LOT

HARBOR BAY LANDING
SHOPPING MALL
PARKING LOT



LEGEND

⊕ GROUNDWATER MONITORING WELL

⊗ DESTROYED WELL

TPH-G	CONCENTRATION OF CONSTITUENTS IN MICROGRAMS PER LITER, EXCEPT DISSOLVED OXYGEN, WHICH IS IN PARTS PER MILLION
B T	
E X	
DO	

TPH-G TOTAL PETROLEUM
HYDROCARBONS AS GASOLINE

B BENZENE

T TOLUENE

E ETHYLBENZENE

X TOTAL XYLENES

DO DISSOLVED OXYGEN

ND NOT DETECTED ABOVE REPORTED
DETECTION LIMIT

← 0.02
CALCULATED GROUNDWATER
GRADIENT DIRECTION AND
MAGNITUDE IN FOOT PER FOOT

FIGURE 3

**CONCENTRATIONS OF PETROLEUM
HYDROCARBONS IN GROUNDWATER**

JULY 19, 1995

BP OIL SERVICE STATION NO. 11270
3255 MECARTNEY ROAD
ALAMEDA, CALIFORNIA

PROJECT NO. 10-206



ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

10-206-0-0100 8-1-85 MJP

APPENDIX A
WATER SAMPLING FIELD SURVEY FORMS

ALISTO

Field Report / Sampling Data Sheet

03-001

ENGINEERING
GROUP

Groundwater Sampling

Date: 7/19/95 Project No. 10-206-02/002 CPA
 Day: Wed Station No. 11270
 Weather: Clear Address Alameda, CA
 SAMPLER: CB

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

Well ID	SAMPLE#	WATER	DEPTH	Well ID	SAMPLE #	WATER	DEPTH	Well ID	SAMPLE	WATER	DEPTH
X-1	S-1	6.12		MW-6	S-6	7.13					
X-2	S-2	6.80									
X-3	S-3	7.60									
MW-7	S-4	7.70									
MW-5	S-5	9.03									

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp *F	pH	E.C.	D.O.	<input type="checkbox"/> EPA 601 <input checked="" type="checkbox"/> TPH-G/BTEX <u>Hcl</u> <input type="checkbox"/> TPH Diesel <input type="checkbox"/> TOG 5520 Time Sampled
X-1	6.12	2"	OK	Ø	Ø	2	1310	68.9	8.32	1.34ms	4.0	
Total Depth - Water Level=						3		67.1	7.95	1.55ms		
$15.35 - 6.12 = 9.23 \times .16 = 1.48 \times 3 = 4.44$						4.5	1324	66.6	7.90	1.56ms	4.3	
Purge Method: <input checked="" type="checkbox"/> Surface Pump ODisp. Tube OWinch ODisp. Baller(s) OSys Port												
Comments:												

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp *F	pH	E.C.	D.O.	<input type="checkbox"/> EPA 601 <input checked="" type="checkbox"/> TPH-G/BTEX <u>Hcl</u> <input type="checkbox"/> TPH Diesel <input type="checkbox"/> TOG 5520 Time Sampled
X-2	6.80	2"	OK	Ø	Ø	1	1351	70.0	7.28	3.79ms	3.8	
Total Depth - Water Level=						2		69.4	7.19	3.81ms		
$13.62 - 6.80 = 6.82 \times .16 = 1.09 \times 3 = 3.27$						3.5	1410	69.2	7.17	3.81ms	3.9	
Purge Method: <input checked="" type="checkbox"/> Surface Pump ODisp. Tube OWinch ODisp. Baller(s) OSys Port												
Comments:												

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp *F	pH	E.C.	D.O.	<input type="checkbox"/> EPA 601 <input checked="" type="checkbox"/> TPH-G/BTEX <u>Hcl</u> <input type="checkbox"/> TPH Diesel <input type="checkbox"/> TOG 5520 Time Sampled
X-3	7.60	2"	OK	Ø	Ø	1	1433	70.9	7.07	10.0ms	4.1	
Total Depth - Water Level=						2		69.3	7.00	9.7ms		
$13.53 - 7.60 = 5.93 \times .16 = .95 \times 3 = 2.85$						3	1500	68.9	6.97	9.7ms	4.3	
Purge Method: <input checked="" type="checkbox"/> Surface Pump ODisp. Tube OWinch ODisp. Baller(s) OSys Port												
Comments:												

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp *F	pH	E.C.	D.O.	<input type="checkbox"/> EPA 601 <input checked="" type="checkbox"/> TPH-G/BTEX <u>Hcl</u> <input type="checkbox"/> TPH Diesel <input type="checkbox"/> TOG 5520 Time Sampled
MW-7	7.70	2"	OK	Ø	Ø	2	1517	66.6	7.46	9.12ms	4.7	
Total Depth - Water Level=						4		65.9	7.38	9.07ms		
$20.00 - 7.70 = 12.30 \times .16 = 1.97 \times 3 = 5.91$						6	1539	65.3	7.32	9.05ms	4.6	
Purge Method: <input checked="" type="checkbox"/> Surface Pump ODisp. Tube OWinch ODisp. Baller(s) OSys Port												
Comments:												

ALISTO

Field Report / Sampling Data Sheet

ENGINEERING
GROUP

Groundwater Sampling

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

Date: 7/19/95 Project No. 10-206-02/002
Day: Wed Station No. 11270
Weather: Clear Address Alameda, CA
SAMPLER: LB

03-001CRA

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp *F	pH	E.C.	D.O.		
MW-5	9.03	4"	OK	∅	∅	3	1610	66.6	7.25	11.9 ms	4.4	<input type="checkbox"/> EPA 601	
Total Depth - Water Level=						x Well Vol. Factor=	x#vol. to Purge=	PurgeVol.					<input checked="" type="checkbox"/> TPH-G/BTEX <u>HCL</u>
14.51-9.03=5.48						x.65=3.56	x3=10.68	11	1624	65.7	7.16	11.7 ms	<input type="checkbox"/> TPH Diesel
Purge Method: <input checked="" type="checkbox"/> Surface Pump						<input type="checkbox"/> Disp. Tube	<input type="checkbox"/> Winch	<input type="checkbox"/> Disp. Baller(s)	<input type="checkbox"/> OSys Port				<input type="checkbox"/> TOG 5520
Comments:												Time Sampled	
												1636	

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp *F	pH	E.C.	D.O.		
MW-6	7.13	4"	OK	∅	∅	8	1710	69.2	8.13	543 μS	4.0	<input type="checkbox"/> EPA 601	
Total Depth - Water Level=						x Well Vol. Factor=	x#vol. to Purge=	PurgeVol.					<input checked="" type="checkbox"/> TPH-G/BTEX <u>HCL</u>
20.00-7.13=12.87						x.65=8.37	x3=25.11	25.5	1736	68.3	7.96	547 μS	<input type="checkbox"/> TPH Diesel
Purge Method: <input checked="" type="checkbox"/> Surface Pump						<input type="checkbox"/> Disp. Tube	<input type="checkbox"/> Winch	<input type="checkbox"/> Disp. Baller(s)	<input type="checkbox"/> OSys Port				<input type="checkbox"/> TOG 5520
Comments: <u>OC-1 Dnp taken from this well</u>												Time Sampled	
												1741	

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp *F	pH	E.C.	D.O.		
												<input type="checkbox"/> EPA 601	
Total Depth - Water Level=						x Well Vol. Factor=	x#vol. to Purge=	PurgeVol.					<input type="checkbox"/> TPH-G/BTEX
Purge Method: <input type="checkbox"/> Surface Pump						<input type="checkbox"/> Disp. Tube	<input type="checkbox"/> Winch	<input type="checkbox"/> Disp. Baller(s)	<input type="checkbox"/> OSys Port				<input type="checkbox"/> TPH Diesel
Comments:												Time Sampled	

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp *F	pH	E.C.	D.O.		
												<input type="checkbox"/> EPA 601	
Total Depth - Water Level=						x Well Vol. Factor=	x#vol. to Purge=	PurgeVol.					<input type="checkbox"/> TPH-G/BTEX
Purge Method: <input type="checkbox"/> Surface Pump						<input type="checkbox"/> Disp. Tube	<input type="checkbox"/> Winch	<input type="checkbox"/> Disp. Baller(s)	<input type="checkbox"/> OSys Port				<input type="checkbox"/> TPH Diesel
Comments:												Time Sampled	

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp *F	pH	E.C.	D.O.		
												<input type="checkbox"/> EPA 601	
Total Depth - Water Level=						x Well Vol. Factor=	x#vol. to Purge=	PurgeVol.					<input type="checkbox"/> TPH-G/BTEX
Purge Method: <input type="checkbox"/> Surface Pump						<input type="checkbox"/> Disp. Tube	<input type="checkbox"/> Winch	<input type="checkbox"/> Disp. Baller(s)	<input type="checkbox"/> OSys Port				<input type="checkbox"/> TPH Diesel
Comments:												Time Sampled	

APPENDIX B

LABORATORY REPORT AND CHAIN OF CUSTODY RECORD



Client : ALISTO ENGINEERING
Project # : G463120/10-206-02/002
Project Name: BP SITE#11270/ALAMEDA, CA

Report Date: August 04, 1995
ATI I.D. : 507221

Table with 4 columns: ATI #, Client Description, Matrix, Date Collected. Rows 1-8 showing sample S-1 to S-8, all WATER, collected 19-JUL-95.

---TOTALS---

Summary table with 2 columns: Matrix, # Samples. Row: WATER, 8.

ATI STANDARD DISPOSAL PRACTICE

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



Client : ALISTO ENGINEERING
Project # : G463120/10-206-02/002
Project Name: BP SITE#11270/ALAMEDA, CA

ATI I.D.: 507221

Analysis	Technique/Description
EPA 160.1 (TOTAL DISSOLVED SOLIDS)	GRAVIMETRIC
MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)	GC/FLAME ION./PHOTO IONIZATION DETECTOR



Client : ALISTO ENGINEERING
Project # : G463120/10-206-02/002
Project Name: BP SITE#11270/ALAMEDA, CA

ATI I.D.: 507221

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	S-1	WATER	19-JUL-95	21-JUL-95
2	S-2	WATER	19-JUL-95	21-JUL-95
3	S-3	WATER	19-JUL-95	21-JUL-95
4	S-4	WATER	19-JUL-95	21-JUL-95
5	S-5	WATER	19-JUL-95	21-JUL-95

Parameter	Units	1	2	3	4	5
TOTAL DISSOLVED SOLIDS	MG/L	1680	4750	10400	12100	14700



Client : ALISTO ENGINEERING
Project # : G463120/10-206-02/002
Project Name: BP SITE#11270/ALAMEDA, CA

ATI I.D.: 507221

Sample #	Client ID	Matrix	Date Sampled	Date Received
6	S-6	WATER	19-JUL-95	21-JUL-95
Parameter	Units			
TOTAL DISSOLVED SOLIDS	MG/L 818			



DUP/MS

Page

Client : ALISTO ENGINEERING
Project # : G463120/10-206-02/002
Project Name: BP SITE#11270/ALAMEDA, CA

ATI I.D. : 50722

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
TOTAL DISSOLVED SOLIDS	507205-03	MG/L	478	466	3	N/A	N/A	N/A

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



Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
 Client : ALISTO ENGINEERING ATI I.D. : 507221
 Project # : G463120/10-206-02/002
 Project Name: BP SITE#11270/ALAMEDA, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	S-1	WATER	19-JUL-95	N/A	02-AUG-95	1.00
2	S-2	WATER	19-JUL-95	N/A	02-AUG-95	1.00
3	S-3	WATER	19-JUL-95	N/A	02-AUG-95	1.00

Parameter	Units	1	2	3		
BENZENE	UG/L	<0.50	<0.50	<0.50		
TOLUENE	UG/L	<0.50	<0.50	<0.50		
ETHYLBENZENE	UG/L	<0.50	<0.50	<0.50		
XYLENES (TOTAL)	UG/L	<1.0	<1.0	<1.0		
FUEL HYDROCARBONS	UG/L	<50	<50	400		
HYDROCARBON RANGE		C6-C12	C6-C12	C6-C12		
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE		
<u>SURROGATES</u>						
TRIFLUOROTOLUENE	%	93	91	91		



Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
 Client : ALISTO ENGINEERING
 Project # : G463120/10-206-02/002
 Project Name: BP SITE#11270/ALAMEDA, CA

ATI I.D. : 507221

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	S-4	WATER	19-JUL-95	N/A	02-AUG-95	1.00
5	S-5	WATER	19-JUL-95	N/A	02-AUG-95	1.00
6	S-6	WATER	19-JUL-95	N/A	03-AUG-95	5.00

Parameter	Units	4	5	6		
BENZENE	UG/L	<0.50	<0.50	84		
TOLUENE	UG/L	<0.50	<0.50	3.3		
ETHYLBENZENE	UG/L	<0.50	<0.50	28		
XYLENES (TOTAL)	UG/L	<1.0	<1.0	24		
FUEL HYDROCARBONS	UG/L	150	<50	1500		
HYDROCARBON RANGE		C6-C12	C6-C12	C6-C12		
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE		
<u>SURROGATES</u>						
TRIFLUOROTOLUENE	%	96	101	82		



Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTEX)
 Client : ALISTO ENGINEERING
 Project # : G463120/10-206-02/002
 Project Name: BP SITE#11270/ALAMEDA, CA

ATI I.D. : 507221

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
7	S-7	WATER	19-JUL-95	N/A	03-AUG-95	5.00
8	S-8	WATER	19-JUL-95	N/A	03-AUG-95	1.00
Parameter	Units	7	8			
BENZENE	UG/L	89	<0.50			
TOLUENE	UG/L	3.8	<0.50			
ETHYLBENZENE	UG/L	30	<0.50			
XYLENES (TOTAL)	UG/L	26	<1.0			
FUEL HYDROCARBONS	UG/L	1500	<50			
HYDROCARBON RANGE		C6-C12	C6-C12			
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE			
<u>SURROGATES</u>						
TRIFLUOROTOLUENE	%	91	101			



REAGENT BLANK

Page 9

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 36230
Client : ALISTO ENGINEERING
Project # : G463120/10-206-02/002
Project Name: BP SITE#11270/ALAMEDA, CA

ATI I.D. : 507221
Date Extracted: N/A
Date Analyzed : 02-AUG-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	µ	98



REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 36240
Client : ALISTO ENGINEERING
Project # : G463120/10-206-02/002
Project Name: BP SITE#11270/ALAMEDA, CA

ATI I.D. : 507221
Date Extracted: N/A
Date Analyzed : 03-AUG-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	%	95



REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 36241
Client : ALISTO ENGINEERING
Project # : G463120/10-206-02/002
Project Name: BP SITE#11270/ALAMEDA, CA

ATI I.D. : 507221
Date Extracted: N/A
Date Analyzed : 02-AUG-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	%	100



MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
 MSMSD # : 77350
 Client : ALISTO ENGINEERING
 Project # : G463120/10-206-02/002
 Project Name: BP SITE#11270/ALAMEDA, CA

ATI I.D. : 507221
 Date Extracted: N/A
 Date Analyzed : 27-JUL-95
 Sample Matrix : WATER
 REF I.D. : 507164-01

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
BENZENE	UG/L	<0.50	5.0	4.8	96	4.9	98	2
TOLUENE	UG/L	<0.50	5.0	5.1	102	5.2	104	2

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

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



MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
MSMSD # : 77369
Client : ALISTO ENGINEERING

ATI I.D. : 507221
Date Extracted: N/A
Date Analyzed : 27-JUL-95
Sample Matrix : WATER
REF I.D. : 507103-07

Project # : G463120/10-206-02/002
Project Name: BP SITE#11270/ALAMEDA, CA

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
BENZENE	UG/L	<0.50	5.0	4.9	98	5.0	100	2
TOLUENE	UG/L	<0.50	5.0	5.1	102	5.2	104	2

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

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



MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
 MSMSD # : 77412
 Client : ALISTO ENGINEERING

ATI I.D. : 507221
 Date Extracted: N/A
 Date Analyzed : 31-JUL-95
 Sample Matrix : WATER
 REF I.D. : 507195-02

Project # : G463120/10-206-02/002
 Project Name: BP SITE#11270/ALAMEDA, CA

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
BENZENE	UG/L	<0.50	5.0	4.6	92	4.8	96	4
TOLUENE	UG/L	<0.50	5.0	4.8	96	5.0	100	4

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

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



MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
 MSMSD # : 77425
 Client : ALISTO ENGINEERING
 Project # : G463120/10-206-02/002
 Project Name: BP SITE#11270/ALAMEDA, CA

ATI I.D. : 507221
 Date Extracted: N/A
 Date Analyzed : 01-AUG-95
 Sample Matrix : WATER
 REF I.D. : 507190-07

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
BENZENE	UG/L	<0.50	5.0	4.6	92	4.7	94	2
TOLUENE	UG/L	<0.50	5.0	4.9	98	5.0	100	2

% 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 #: 57936
Client : ALISTO ENGINEERING
Project #: G463120/10-206-02/002
Project Name : BP SITE#11270/ALAMEDA, CA

ATI I.D. : 507221
Date Extracted: N/A
Date Analyzed : 02-AUG-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	4.7	5.0	94
TOLUENE	UG/L	<0.50	5.0	5.0	100

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



BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank Spike #: 57949
Client : ALISTO ENGINEERING
Project # : G463120/10-206-02/002
Project Name : BP SITE#11270/ALAMEDA, CA

ATI I.D. : 507221
Date Extracted: N/A
Date Analyzed : 03-AUG-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	4.6	5.0	92
TOLUENE	UG/L	<0.50	4.9	5.0	98

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



BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank Spike #: 57950
Client : ALISTO ENGINEERING
Project #: G463120/10-206-02/002
Project Name : BP SITE#11270/ALAMEDA, CA

ATI I.D. : 507221
Date Extracted: N/A
Date Analyzed : 02-AUG-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	4.6	5.0	92
TOLUENE	UG/L	<0.50	4.9	5.0	98

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

ACCESSION #: 507221

INITIALS: ZY

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	<input checked="" type="radio"/> NO
2	Number of Coolers Received If more than one cooler received attach Multiple Cooler Documentation Form (MCD) Indicate "see MCD" on Item 11 below	1	
3	Are custody seals required for this project ?	YES	<input checked="" type="radio"/> N/A
	a) are Custody Seals present on Cooler(s) ?	YES	<input checked="" type="radio"/> NO
	If yes, are seals intact ?	YES	NO
	b) are Custody Seals present on the sample ?	YES	<input checked="" type="radio"/> NO
	If yes, are seals intact ?	YES	NO
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.	<input checked="" type="radio"/> YES	NO
5	Is the COC complete per cooler ? Relinquished: <input checked="" type="radio"/> yes / no Requested analysis: <input checked="" type="radio"/> yes / no	<input checked="" type="radio"/> YES	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 Date 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?	<input checked="" type="radio"/> YES	NO
8	Is there enough sample for all the requested analyses?	<input checked="" type="radio"/> YES	NO
9	Are all samples within holding times for the requested analyses?	<input checked="" type="radio"/> YES	NO
10	Record cooler temperature. Contact PM if temperature is not 4°C ± 2°C.	2.4 °C	
	Is ice present in cooler?	<input checked="" type="radio"/> YES	NO
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	<input checked="" type="radio"/> YES	NO
12	Are samples requiring no headspace, headspace free? N/A	<input checked="" type="radio"/> YES	NO
13	Are VOA 1st stickers required?	YES	<input checked="" type="radio"/> NO
14	Are there special comments on the Chain of Custody which require client contact?	YES	<input checked="" type="radio"/> N/A
15	If yes, was ATI Project Manager notified?	YES	NO

Describe "no" items: 6 Two pairs of VOA vials labeled S-7, one pair a sample and the other a pair of Trip blanks. No S-8 received. Will label Trip Blanks 08 (for S-8).

Was client contacted? yes / no
 If yes, Date: _____ Name of Person contacted:
 Describe actions taken or client instructions: _____

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



ATI #507221

CHAIN OF CUSTODY

No.055937

CONSULTANT'S NAME: Alisto Engineering ADDRESS: 1575 Treat Blvd #201 CITY: W.C. STATE: Ca ZIP CODE: 94576

BP SITE NUMBER: 11270 BP CORNER ADDRESS/CITY: Alameda, Ca CONSULTANT PROJECT NUMBER: 10-206-02/002

CONSULTANT PROJECT MANAGER: Bill Howell PHONE NUMBER: (510) 295-1650 FAX NUMBER: 295-1823 CONSULTANT CONTRACT NUMBER: 6463120

BP CONTACT: Scott Hootan BP ADDRESS: Kenton, WA PHONE NUMBER: FAX NO.

LAB CONTACT: ATTI LABORATORY ADDRESS: San Diego, Ca PHONE NUMBER: FAX NO.

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

TAT: 24 Hours 48 Hours 1 Week Standard 2 Weeks

ANALYSIS REQUIRED: AIRBILL NUMBER: 3855997070

SAMPLE DESCRIPTION	COLLECTION DATE	MATRIX SOIL/WATER	CONTAINERS		PRESERVATIVE	TALS	TDS											COMMENTS				
	COLLECTION TIME		NO.	TYPE (VOL.)	LAB SAMPLE #																	
S-1	7/1/95	W	3	HLL VAS			X															
S-2	↓	↓	↓	↓			↓															
S-3	↓	↓	↓	↓			↓															
S-4	↓	↓	↓	↓			↓															
S-5	↓	↓	↓	↓			↓															
S-6	↓	↓	↓	↓			↓															
S-7	↓	↓	2	↓			↓															
S-8	↓	↓	↓	↓			↓															

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	ADDITIONAL COMMENTS
<u>[Signature]</u>	<u>7/2/95</u>		<u>[Signature] (ATTI)</u>	<u>7-2/95</u>	<u>09:00</u>	<u>2.4°C</u>