BP OIL

BP Oil Company
16400 Southcenter Parkway, Suite 301
Tukwila, Washington 98188
(206) 575-4077

ALCO HAZMAT
93 DEC 22 PM 2:07

15 days to 1st Qtr

December 15, 1993

Mr. Brian Oliva
Alameda County Health Care Services Agency
80 Swan Way, Room 200
Oakland, CA 94621

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

Attached please find our **GROUNDWATER MONITORING AND SAMPLING REPORT DATED DECEMBER 6, 1993** for the above referenced facility.

I can be reached at (206) 394-5243 with questions regarding this submission.

Respectfully,

Scott T. Hooton
Environmental Resources Management

STH:sc ERM11266

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

Mr. Robert Merriken, Mobil Oil Corp, 3225 Gallows Road, Fairfax, VA 22037

Mr. Brady Nagle, ALISTO, 1777 Oakland Blvd., Suite 200, Walnut Creek, CA 94596

Site file

GROUNDWATER MONITORING AND SAMPLING REPORT

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

Project No. 10-050-03-002

Prepared for:

BP Oil Company
Environmental Resources Management
16400 Southcenter Parkway, Suite 301
Tukwila, Washington

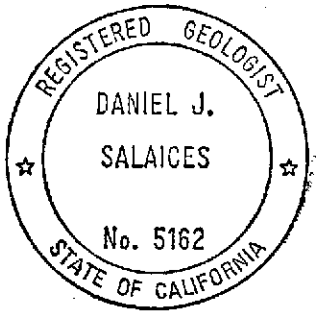
Prepared by:

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

December 6, 1993

William Howell
Project Manager

Daniel Salaices
Registered Geologist



GROUNDWATER MONITORING AND SAMPLING REPORT

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

Project No. 10-050-03-002

December 6, 1993

INTRODUCTION

This report presents the results and findings of the September 29, 1993 groundwater monitoring and sampling conducted by Alisto Engineering Group at BP Oil Company Service Station No. 11266, 1541 Park Street, Alameda, California. A site vicinity map is shown in Figure 1.

FIELD PROCEDURES

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

Before purging and sampling, the groundwater level in each well was measured from a permanent mark on the 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, and electrical conductivity. Groundwater samples were collected for laboratory analysis by lowering a bottom-fill, disposable bailer to just below the water level in the well. The samples were transferred from the bailer into laboratory-supplied containers. The water sampling field survey forms are presented in Appendix A.

SAMPLING AND ANALYTICAL RESULTS

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

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

ALISTO PROJECT NO. 10-050

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	LAB
MW-1	03/04/88	19.19	---	---	95000	2000	5900	1100	10000	---
MW-1	03/29/89	19.19	---	---	25000	930	2600	24	3100	---
MW-1	11/28/89	19.19	---	---	15000	280	880	340	1200	---
MW-1	02/13/91	19.19	---	---	25000	680	2700	1100	3200	---
MW-1	01/08/92	19.19	---	---	10000	260	1100	570	2000	---
MW-1	03/30/92	19.19	8.15	11.04	5800	290	570	500	1100	PACE
MW-1	07/02/92	19.19	9.38	9.81	2500	170	60	310	300	ANA
MW-1	07/22/92	19.19	9.62	9.57	---	---	---	---	---	---
MW-1	10/02/92	19.19	9.98	9.21	4000	86	190	270	350	ANA
QC-1 (c)	10/02/92	---	---	---	3600	89	180	270	340	ANA
MW-1	12/14/92	19.19	9.90	9.29	6800	75	540	200	670	ANA
QC-1 (c)	12/14/92	---	---	---	5900	68	480	190	600	ANA
MW-1	03/24/93	19.19	8.52	10.67	6400	150	310	370	710	PACE
MW-1	06/17/93	19.19	9.37	9.82	3800	110	160	310	480	PACE
MW-1	09/29/93	19.19	10.80	8.39	1100	22	16	54	110	PACE
MW-2	03/04/88	19.32	---	---	ND	ND	ND	ND	ND	---
MW-2	03/29/89	19.32	---	---	ND	1.1	0.78	ND	1.7	---
MW-2	11/28/89	19.32	---	---	170	ND	ND	ND	ND	---
MW-2	02/13/91	19.32	---	---	150	1.4	ND	ND	0.9	---
MW-2	01/08/92	19.32	---	---	ND	1.4	ND	ND	1.1	---
MW-2	03/30/92	19.32	9.03	10.29	91	0.7	ND	ND	ND	PACE
MW-2	07/02/92	19.32	9.96	9.36	150	3.1	0.6	0.6	1.1	ANA
MW-2	07/22/92	19.32	10.12	9.20	---	---	---	---	---	---
MW-2	10/02/92	19.32	10.42	8.90	56	ND<0.5	0.8	0.8	1.2	ANA
MW-2	12/14/92	19.32	10.77	8.55	210	1.5	ND<0.5	0.9	2.7	ANA
MW-2	03/24/93	19.32	9.33	9.99	94	0.8	ND<0.5	ND<0.5	0.9	PACE
QC-1 (c)	03/24/93	---	---	---	150	1.8	0.6	1.3	1.3	PACE
MW-2	06/17/93	19.32	9.91	9.41	ND<50	ND<0.5	ND<0.5	ND<0.5	0.7	PACE
MW-2	09/29/93	19.32	11.39	7.93	68	ND<0.5	0.9	0.7	1.9	PACE

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

ALISTO PROJECT NO. 10-050

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	LAB
MW-3	03/04/88	19.99	---	---	ND	ND	ND	ND	ND	---
MW-3	03/29/89	19.99	---	---	ND	ND	ND	ND	ND	---
MW-3	11/28/89	19.99	---	---	ND	ND	ND	ND	ND	---
MW-3	02/13/91	19.99	---	---	ND	ND	ND	ND	ND	---
MW-3	01/08/92	19.99	---	---	ND	ND	ND	ND	ND	---
MW-3	03/30/92	19.99	9.71	10.28	ND	ND	ND	ND	ND	PACE
MW-3	07/02/92	19.99	10.52	9.47	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ANA
MW-3	07/22/92	19.99	10.62	9.37	---	---	---	---	---	---
MW-3	10/02/92	19.99	10.86	9.13	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ANA
MW-3	12/14/92	19.99	10.53	9.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ANA
MW-3	03/24/93	19.99	9.06	10.93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND>0.5	PACE
MW-3	06/17/93	19.99	10.44	9.55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND>0.5	PACE
MW-3	09/29/93	19.99	11.06	8.93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND>0.5	PACE
MW-4	03/04/88	20.17	---	---	ND	ND	ND	ND	ND	---
MW-4	03/29/89	20.17	---	---	ND	ND	ND	ND	ND	---
MW-4	11/28/89	20.17	---	---	430	6.2	0.6	12	3.3	---
MW-4	02/13/91	20.17	---	---	ND	ND	ND	ND	ND	---
MW-4	01/08/92	20.17	---	---	ND	ND	ND	ND	ND	---
MW-4	03/30/92	20.17	8.73	11.44	ND	ND	ND	ND	ND	PACE
MW-4	07/02/92	20.17	10.04	10.13	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ANA
MW-4	07/22/92	20.17	10.26	9.91	---	---	---	---	---	---
MW-4	10/02/92	20.17	10.63	9.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ANA
MW-4	12/14/92	20.17	10.02	10.15	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ANA
MW-4	03/24/93	20.17	9.08	11.09	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
MW-4	06/17/93	20.17	10.03	10.14	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
MW-4	09/29/93	20.17	10.96	9.21	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE

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

ALISTO PROJECT NO. 10-050

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	LAB
MW-5	03/04/88	19.41	---	---	ND	ND	ND	ND	ND	---
MW-5	03/29/89	19.41	---	---	ND	ND	ND	ND	ND	---
MW-5	11/28/89	19.41	---	---	ND	ND	ND	ND	ND	---
MW-5	02/13/91	19.41	---	---	ND	ND	ND	ND	ND	---
MW-5	01/08/92	19.41	---	---	ND	ND	ND	ND	ND	---
MW-5	03/30/92	19.41	7.85	11.56	ND	ND	ND	ND	ND	PACE
MW-5	07/02/92	19.41	9.27	10.14	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ANA
MW-5	07/22/92	19.41	9.55	9.86	---	---	---	---	---	---
MW-5	10/02/92	19.41	9.97	9.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ANA
MW-5	12/14/92	19.41	9.14	10.27	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ANA
MW-5	03/24/93	19.41	8.17	11.24	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
MW-5	06/17/93	19.41	8.29	11.12	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
QC-1 (c)	06/17/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
MW-5	09/29/93	19.41	10.31	9.10	ND<50	ND<0.5	ND<0.5	ND<0.5	0.6	PACE
MW-6	03/04/88	19.40	---	---	ND	ND	ND	ND	ND	---
MW-6	03/29/89	19.40	---	---	ND	ND	ND	ND	ND	---
MW-6	11/28/89	19.40	---	---	ND	ND	ND	ND	ND	---
MW-6	02/13/91	19.40	---	---	ND	ND	ND	ND	ND	---
MW-6	01/08/92	19.40	---	---	ND	ND	ND	ND	ND	---
MW-6	03/30/92	19.40	8.86	10.54	ND	ND	ND	ND	ND	PACE
MW-6	07/02/92	19.40	9.94	9.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ANA
MW-6	07/22/92	19.40	10.10	9.30	---	---	---	---	---	---
MW-6	10/02/92	19.40	10.48	8.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ANA
MW-6	12/14/92	19.40	10.76	8.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ANA
MW-6	03/24/93	19.40	9.19	10.21	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
MW-6	06/17/93	19.40	9.91	9.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
MW-6	09/29/93	19.40	11.49	7.91	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE

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

ALISTO PROJECT NO. 10-050

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	LAB
RW-1	07/22/92	---	9.66	---	13000	1000	3400	380	2800	ANA
RW-1	10/02/92	---	10.28	---	---	---	---	---	---	---
RW-1	12/14/92	---	23.28	---	---	---	---	---	---	---
RW-1	03/24/93	---	8.93	---	660	21	25	8.3	100	PACE
RW-1	06/17/93	---	9.66	---	850	13	1.0	15	100	PACE
RW-1	09/29/93	19.27	23.40	-4.13	1200	26	27	11	150	PACE
QC-1 (c)	09/29/93	---	---	---	1200	26	28	11	160	PACE
QC-2 (d)	10/02/92	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ANA
QC-2 (d)	12/14/92	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ANA
QC-2 (d)	03/24/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
QC-2 (d)	06/17/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
QC-2 (d)	09/29/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
ppb	Parts per billion
---	Not analyzed/measured/available
ND	Not detected above reported detection limit
PACE	Pace, Inc.
ANA	Anametrix, Inc.

NOTES:

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

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

(c) Blind duplicate.

(d) Travel blank.

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

N

0 1000' 2000'

FIGURE 1

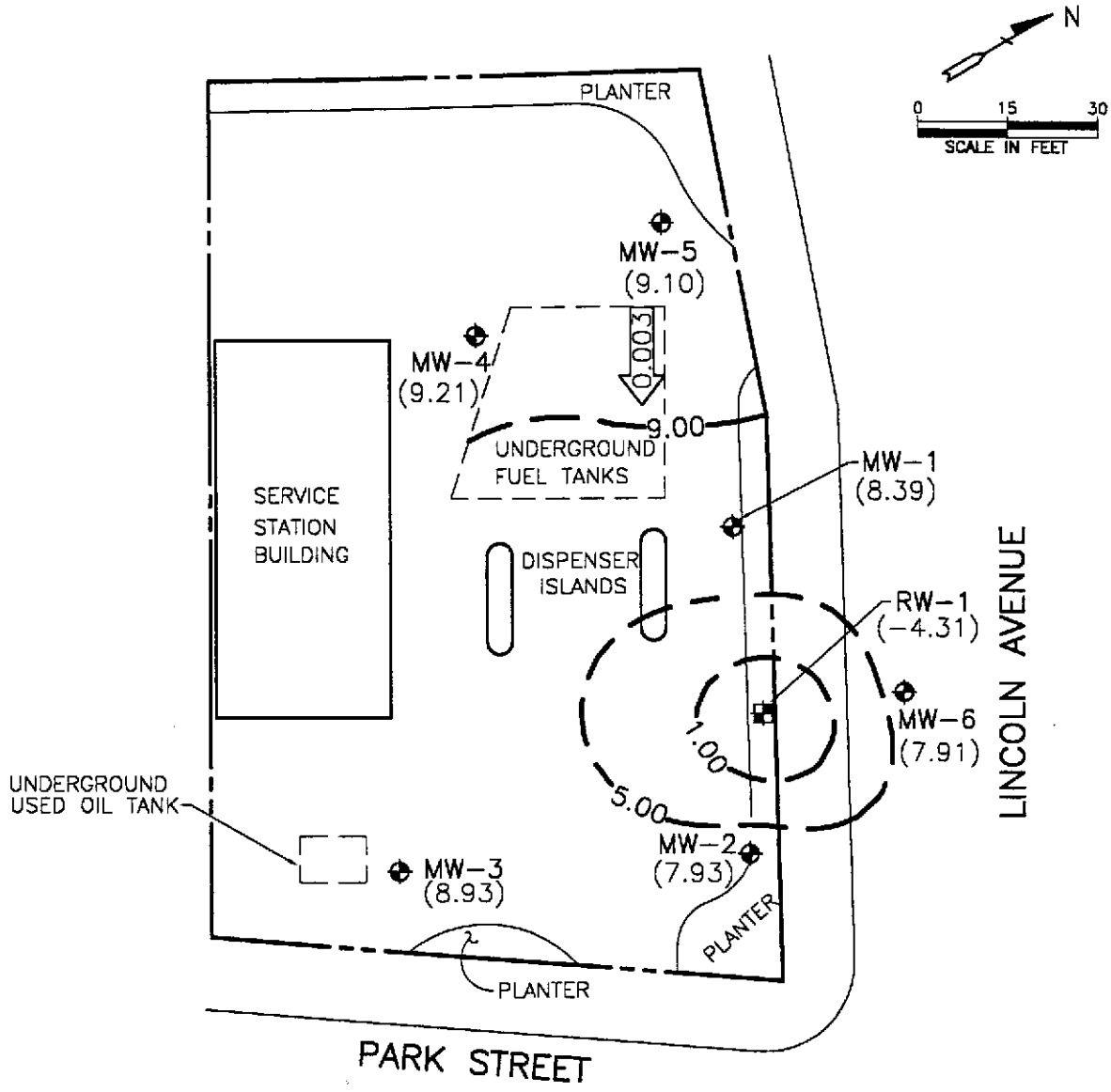
SITE VICINITY MAP

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

PROJECT NO. 10-050

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

10050B--SMG 8-4-93 KH 1=1



LEGEND

⊕	GROUNDWATER MONITORING WELL
⊞	GROUNDWATER RECOVERY WELL
(9.10)	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
9.00	GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL (CONTOUR INTERVAL—4.00 FEET)
0.003	CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT

FIGURE 2

POTENTIOMETRIC GROUNDWATER ELEVATION CONTOUR MAP

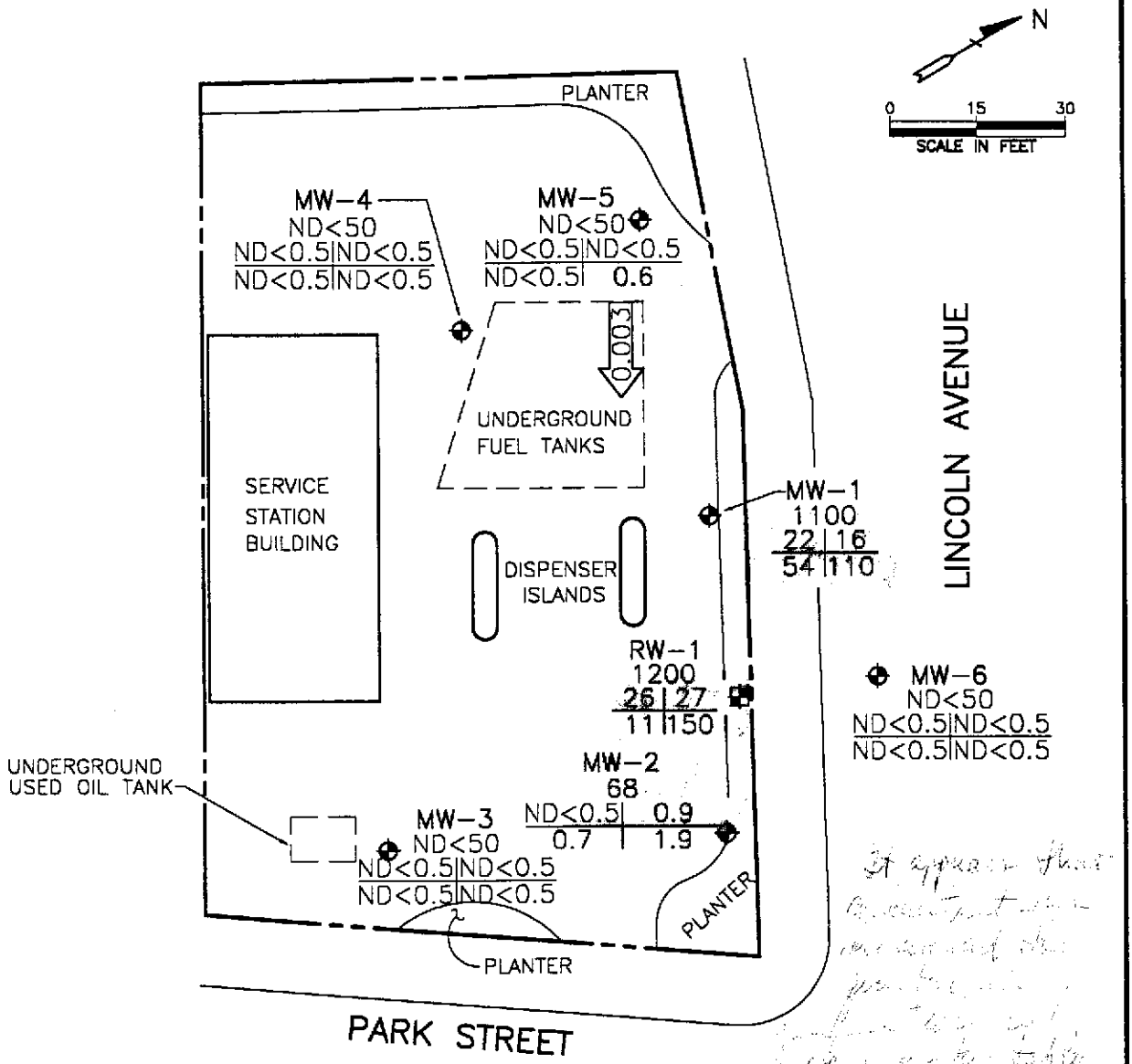
SEPTEMBER 29, 1993

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

PROJECT NO. 10-050

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

10050D-G.DWG 12-1-93 RKW 1=30



LEGEND

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

FIGURE 3

CONCENTRATIONS OF PETROLEUM HYDROCARBONS IN GROUNDWATER

SEPTEMBER 29, 1993

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

PROJECT NO. 10-050

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

1005DE-G.DWG 12-1-93 RKM 1=30

APPENDIX A

WATER SAMPLING FIELD SURVEY FORMS

Field Report / Data Sheet

Birch Technical Services

116 Liberty st
Santa Cruz, Ca 95060
(408) 459-0718

X Groundwater Sampling O Groundwater Monitoring O Well Development O Drill Support O Stockpile Sampling

Firm: Alisto	Date: 9/29/93	Station #: BP11266	Day: M Tu W Th (F)
Project Number: 10-050-0302	Field Technician: Stephen Rhoer	Address: 154 Park St Alameda	Weather: WARM

DTWorder	Well ID	Lock	Exp Cap	Total Depth (feet)	1st Depth to Water (feet)	2nd Depth to Water (feet)	Depth to Product (feet)	Product Thickness	Comments	WELL
T	RW-1	OK	OK	29.54	23.40	23.40			QC-1	6
6	MW-1	OK	OK	21.88	10.80	10.80				2
5	MW-2	Replaced	OK	23.01	11.39	11.39			Replaced Lock	2
2	MW-3	OK	OK	19.59	11.06	11.06				2
1	MW-4	OK	OK	19.92	10.96	10.96				2
4	MW-5	OK	OK	24.24	10.31	10.31				2
3	MW-6	OK	OK	16.95	11.49	11.49				2

Notes:

CALIBRATION pH 7.00 7 pH 4.00 4 pH 10.00 10 at 76 °F

Birch Technical Services

GROUNDWATER SAMPLING FORM

116 Liberty Street
Santa Cruz, Ca 95060
(408) 459-0718

Well Number: RW-1

Project Number: _____

Station Number: BP11266

Sample Type: OGroundwater OTrip Blank ODuplicate of _____

Date: 9/29/93

Sampled by: Stephen Ryder

WELL PURGING

PURGE VOLUME

Casing Diameter (inches) / Volume Factors:

O 2"	O3"	O4"	O4.5"	Ø6"	O____
0.1632	0.3672	0.6528	0.826	1.469	_____

Total Depth of Well 29.54

Initial Water Level: 23.40

Total Volume Purged: 28

Time Elapsed: 30 min

Calculated Purge Volume:

PURGE METHOD:
O Honda Pump
ODisposable PolyTubing(____ft)
OSpeed Winch
ODisposable PVC Bailer(s)(____)
ØOther 12VDC pump

29.54 (Total Depth) - 23.40 (Water Level) = 6.14 x 1.4169 (Well Vol. Fac.) = 9 x 3 (#of vol. to Purge) = 27.0 (gallons) (Calculated Purge Volume)

COMMENTS:

Subjective Analysis Prior to Purging

SHEEN: OYes ØNo

Depth to Product _____(ft)

Product Thickness _____ (ft)

SAMPLING METHOD

ØPVC Disposable Bailer
OTeflon Bailer
OOther:_____

Time Sampled (24 hour clock): 14:50

WELL SAMPLING PARAMETERS

Gallons Removed	Time	Temp °F	pH	Cond. (umhos/cm)
1	14:20	71.5	7.26	0.97
7	14:26	73.1	6.67	0.58
14	14:33	73.6	6.56	0.59
21	14:40	73.7	6.49	0.61
28	14:50	73.6	6.52	0.58

	Analysis Required	No. of	Container Type	Preservatives
	EPA 601		VOA's	
X	TPH-G/BTEX	3	VOA's	HCl
	TPH- Diesel		Amber Liter	
	TOG 5520 BF		Amber Liter	H_2SO_4

Birch Technical Services

GROUNDWATER SAMPLING FORM

116 Liberty Street
Santa Cruz, Ca 95060
(408) 459-0718

Project Number: _____
Station Number: BP11266
Date: 9/29/93

Well Number: MW-1
Sample Type: ØGroundwater OTrip Blank ODuplicate of _____
Sampled by: Stephen Ryder

WELL PURGING

PURGE VOLUME

Casing Diameter (inches) Volume Factors:

Ø 2"	O3"	O4"	O4.5"	O6"	O____
0.1632	0.3672	0.6528	0.826	1.469	_____

Total Depth of Well 21.88
Initial Water Level: 10.80
Total Volume Purged: 7
Time Elapsed: 7 min

PURGE METHOD:
Ø Honda Pump
ODisposable PolyTubing(____ft)
OSpeed Winch
ODisposable PVC Bailer(s)(____)
OOther_____

Calculated Purge Volume:

21.88 - 10.80 = 11.08 x .1632 = 1.8 x 3 = 5.5 (gallons)
Total Depth | Water Level | Well Vol. Fac. | #of vol. to Purge | Calculated Purge Volume

COMMENTS:

Subjective Analysis Prior to Purging

SHEEN
OYes ØNo

Depth to Product _____(ft)
Product Thickness _____ (ft)

SAMPLING METHOD

ØPVC Disposable Bailer
OTeflon Bailer
OOther:_____

Time Sampled (24 hour clock) 13:45

WELL SAMPLING PARAMETERS

Gallons Removed	Time	Temp °F	pH	Cond. (umhos/cm)
1	13:38	71.5	7.03	0.67
3	13:40	73.1	6.71	0.72
5	13:42	72.9	6.72	0.74
7	13:45	72.8	6.70	0.71

	Analysis Required	No. of	Container Type	Preservatives
	EPA 601		VOA's	
X	TPH-G/BTEX	3	VOA's	HCl
	TPH- Diesel		Amber Liter	
	TOG 5520 BF		Amber Liter	H_2SO_4

Birch Technical Services

116 Liberty Street
Santa Cruz, Ca 95060
(408) 459-0718

GROUNDWATER SAMPLING FORM

Well Number: MW-2
Project Number: _____
Station Number: BP11266
Date: 9/29/93
Sample Type: ØGroundwater OTrip Blank ODuplicate of _____
Sampled by: Stephen Ryder

WELL PURGING

PURGE VOLUME

Casing Diameter (inches) Ø2" O3" O4" O4.5" O6" O____
Volume Factors: 0.1632 0.3672 0.6528 0.826 1.469 _____

Total Depth of Well 23.01 Initial Water Level: 11.39
Total Volume Purged: 6 Time Elapsed: 10 min

PURGE METHOD:
ØHonda Pump
ODisposable PolyTubing(____ft)
OSpeed Winch
ODisposable PVC Bailer(s)(____)
OOther_____

Calculated Purge Volume:

23.01 (Total Depth) - 11.39 (Water Level) = 11.62 x .1632 (Well Vol. Fac.) = 1.9 x 3 (#of vol. to Purge) = 6 (gallons) (Calculated Purge Volume)

COMMENTS:

Subjective Analysis Prior to Purging

SHEEN OYes ØNo
Depth to Product _____(ft)
Product Thickness _____ (ft)

SAMPLING METHOD

ØPVC Disposable Bailer
OTeflon Bailer
OOther:_____

Time Sampled (24 hour clock) 13:15

WELL SAMPLING PARAMETERS

Gallons Removed	Time	Temp °F	pH	Cond. (umhos/cm)
1	13:05	76.4	7.05	0.90
2	13:07	76.6	6.79	0.84
3	13:09	76.4	6.82	0.91
4	13:11	76.7	6.83	0.90
5	13:13	76.4	6.84	0.87
6	13:15	76.4	6.82	0.89

	Analysis Required	No. of	Container Type	Preservatives
	EPA 601		VOA's	
X	TPH-G/BTEX	3	VOA's	HCl
	TPH- Diesel		Amber Liter	
	TOG 5520 BF		Amber Liter	H_2SO_4

Birch Technical Services

116 Liberty Street
Santa Cruz, Ca 95060
(408) 459-0718

GROUNDWATER SAMPLING FORM

Well Number: MW-3

Project Number: _____

Station Number: BP11266

Sample Type: ØGroundwater OTrip Blank ODuplicate of _____

Date: 9 / 29 / 93

Sampled by: Stephen Ryder

WELL PURGING

PURGE VOLUME

Casing Diameter (inches) / Volume Factors:

Ø 2"	O3"	O4"	O4.5"	O6"	O____
0.1632	0.3672	0.6528	0.826	1.469	_____

Total Depth of Well 19.59 Initial Water Level: 11.06

Total Volume Purged: 5 Time Elapsed: 5 MIN

Calculated Purge Volume:

PURGE METHOD:
ØHonda Pump
ODisposable PolyTubing(____ft)
OSpeed Winch
ODisposable PVC Bailer(s)(____)
OOther_____

19.59 (Total Depth) - 11.06 (Water Level) = 8.53 x .1632 (Well Vol. Fac.) = 1.4 x 3 (#of vol. to Purge) = 5 (gallons) (Calculated Purge Volume)

COMMENTS:

Subjective Analysis Prior to Purging

SHEEN OYes ØNo

Depth to Product _____(ft)

Product Thickness _____ (ft)

SAMPLING METHOD

ØPVC Disposable Bailer
OTeflon Bailer
OOther:_____

Time Sampled (24 hour clock) 11:44

WELL SAMPLING PARAMETERS

Gallons Removed	Time	Temp °F	pH	Cond. (umhos/cm)
1	11:39	76.9	7.12	0.83
2	11:41	76.7	6.91	0.99
3	11:42	76.8	6.94	1.02
4	11:43	76.9	6.95	1.03
5	11:44	76.8	6.94	1.03

	Analysis Required	No. of	Container Type	Preservatives
	EPA 601		VOA's	
X	TPH-G/BTEX	3	VOA's	HCl
	TPH- Diesel		Amber Liter	
	TOG 5520 BF		Amber Liter	H_2SO_4

Birch Technical Services

GROUNDWATER SAMPLING FORM

116 Liberty Street
Santa Cruz, Ca 95060
(408) 459-0718

Well Number: MW-4

Project Number: _____

Sample Type: ØGroundwater OTrip Blank ODuplicate of _____

Station Number: BP11266

Date: 9/29/93

Sampled by: Stephen Ryder

WELL PURGING

PURGE VOLUME

Casing Diameter (inches) / Volume Factors:

Ø 2"	O3"	O4"	O4.5"	O6"	O____
0.1632	0.3672	0.6528	0.826	1.469	_____

Total Depth of Well 19.92 Initial Water Level: 10.96

Total Volume Purged: 5 Time Elapsed: 5 Min

Calculated Purge Volume:

PURGE METHOD:
ØHonda Pump
ODisposable PolyTubing(____ft)
OSpeed Winch
ODisposable PVC Bailer(s)(____)
OOther_____

19.92 (Total Depth) - 10.96 (Water Level) = 8.96 x .1632 (Well Vol. Fac.) = 1.5 x 3 (#of vol. to Purge) = 4.5 (gallons) (Calculated Purge Volume)

COMMENTS:

Subjective Analysis Prior to Purging

SHEEN: OYes ØNo

Depth to Product _____(ft)

Product Thickness _____ (ft)

SAMPLING METHOD

ØPVC Disposable Bailer
OTeflon Bailer
OOther:_____

Time Sampled (24 hour clock): 11:14

WELL SAMPLING PARAMETERS

Gallons Removed	Time	Temp °F	pH	Cond. (umhos/cm)
1	11:09	73.9	6.58	0.53
2	11:11	73.6	6.45	0.58
3	11:12	73.5	6.51	0.58
4	11:13	73.6	6.53	0.60
5	11:14	73.4	6.53	0.57

	Analysis Required	No. of	Container Type	Preservatives
	EPA 601		VOA's	
X	TPH-G/BTEX	3	VOA's	HCl
	TPH- Diesel		Amber Liter	
	TOG 5520 BF		Amber Liter	H_2SO_4

Birch Technical Services

116 Liberty Street
Santa Cruz, Ca 95060
(408) 459-0718

GROUNDWATER SAMPLING FORM

Well Number: MW-5

Project Number: _____

Station Number: BP11266

Sample Type: ØGroundwater OTrip Blank ODuplicate of _____

Date: 9/29/93

Sampled by: Stephen Ryder

WELL PURGING

PURGE VOLUME

Casing Diameter (inches) Ø2" O3" O4" O4.5" O6" O____

Volume Factors: 0.1632 0.3672 0.6528 0.826 1.469 _____

Total Depth of Well 24.24

Initial Water Level: 10.31

Total Volume Purged: 9

Time Elapsed: 8 min

Calculated Purge Volume:

PURGE METHOD:
Ø Honda Pump
ODisposable PolyTubing(____ft)
OSpeed Winch
ODisposable PVC Bailer(s)(____)
OOther_____

24.24 (Total Depth) - 10.31 (Water Level) = 13.93 x .1632 (Well Vol. Fac.) = 2.27 x 3 (#of vol. to Purge) = 6.8 (gallons) Calculated Purge Volume

COMMENTS:

Subjective Analysis Prior to Purging

SHEEN
OYes ØNo

Depth to Product _____(ft)

Product Thickness _____ (ft)

SAMPLING METHOD

ØPVC Disposable Bailer
OTeflon Bailer
OOther:_____

Time Sampled (24 hour clock) _____

WELL SAMPLING PARAMETERS

Gallons Removed	Time	Temp °F	pH	Cond. (umhos/cm)
1	12:30	76.9	5.75	0.55
3	12:32	76.1	6.19	0.50
5	12:34	76.0	6.69	0.51
7	12:36	76.2	6.72	0.51
9	12:38	76.1	6.74	0.49

	Analysis Required	No. of	Container Type	Preservatives
	EPA 601		VOA's	
X	TPH-G/BTEX	3	VOA's	HCl
	TPH- Diesel		Amber Liter	
	TOG 5520 BF		Amber Liter	H_2SO_4

Birch Technical Services

GROUNDWATER SAMPLING FORM

116 Liberty Street
Santa Cruz, Ca 95060
(408) 459-0718

Well Number: MW-6

Project Number: _____

Station Number: BP11266

Sample Type: ØGroundwater OTrip Blank ODuplicate of _____

Date: 9/29/93

Sampled by: Stephen Ryder

WELL PURGING

PURGE VOLUME

Casing Diameter (inches) Volume Factors:

O 2"	O3"	O4"	O4.5"	O6"	O____
0.1632	0.3672	0.6528	0.826	1.469	_____

Total Depth of Well 16.95

Initial Water Level: 11.49

Total Volume Purged: 3

Time Elapsed: 5 min

Calculated Purge Volume:

PURGE METHOD:
Ø Honda Pump
ODisposable PolyTubing(____ft)
OSpeed Winch
ODisposable PVC Bailer(s)(____)
OOther_____

16.95 (Total Depth) - 11.49 (Water Level) = 5.46 x .1632 (Well Vol. Fac.) = 0.9 x 3 (#of vol. to Purge) = 3 (gallons) (Calculated Purge Volume)

COMMENTS:

Subjective Analysis Prior to Purging

SHEEN OYes ØNo

Depth to Product _____(ft)

Product Thickness _____ (ft)

SAMPLING METHOD

ØPVC Disposable Bailer
OTeflon Bailer
OOther:_____

Time Sampled (24 hour clock) _____

WELL SAMPLING PARAMETERS

Gallons Removed	Time	Temp °F	pH	Cond. (umhos/cm)
0.5	12:05	78.4	7.51	0.81
1.0	12:06	76.9	7.22	0.75
1.5	12:07	76.3	7.09	0.74
2.0	12:08	76.1	7.06	0.75
2.5	12:09	76.2	7.04	0.76
3.0	12:10	76.4	7.03	0.75

	Analysis Required	No. of	Container Type	Preservatives
	EPA 601		VOA's	
X	TPH-G/BTEX	3	VOA's	HCl
	TPH- Diesel		Amber Liter	
	TOG 5520 BF		Amber Liter	H_2SO_4

Birch Technical Services

116 Liberty Street
Santa Cruz, Ca 95060
(408) 459-0718

GROUNDWATER SAMPLING FORM

Well Number: QC-1

Project Number: _____

Station Number: BP 11266

Sample Type: OGroundwater OTrip Blank ØDuplicate of RW-1

Date: 9/29/93

Sampled by: Stephen Ryder

WELL PURGING

PURGE VOLUME

Casing Diameter (inches) / Volume Factors:

O 2"	O3"	O4"	O4.5"	Ø6"	O____
0.1632	0.3672	0.6528	0.826	1.469	_____

Total Depth of Well _____ Initial Water Level: _____

Total Volume Purged: _____ Time Elapsed: _____

Calculated Purge Volume:

_____ - _____ = _____ x _____ = _____ x _____ = _____(gallons)

Total Depth | Water Level | Well Vol. Fac. | #of vol. to Purge | Calculated Purge Volume

PURGE METHOD:
O Honda Pump
ODisposable PolyTubing(____ft)
OSpeed Winch
ODisposable PVC Bailer(s)(____)
ØOther 12VDC PUMP

COMMENTS:

Subjective Analysis Prior to Purging

SHEEN OYes ONo

Depth to Product _____(ft)

Product Thickness _____ (ft)

SAMPLING METHOD

OPVC Disposable Bailer
OTeflon Bailer
OOther: _____

Time Sampled (24 hour clock) 14:55

WELL SAMPLING PARAMETERS

Gallons Removed	Time	Temp °F	pH	Cond. (umhos/cm)

Analysis Required	No. of	Container Type	Preservatives
EPA 601		VOA's	
TPH-G/BTEX		VOA's	HCl
TPH- Diesel		Amber Liter	
TOG 5520 BF		Amber Liter	H_2SO_4

APPENDIX B

LABORATORY REPORT AND CHAIN OF CUSTODY RECORD

pace INCORPORATED
THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

Alisto Engineering Group
1777 Oakland Blvd., Ste. 200
Walnut Creek, CA 94596

October 13, 1993
PACE Project Number: 431005508

Attn: Mr. Bill Howell

Client Reference: BP Station # 11266

PACE Sample Number:			70 0165849	
Date Collected:			09/29/93	
Date Received:			10/05/93	
			RW-1	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	10/08/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	1200	10/08/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	10/08/93
Benzene	ug/L	0.5	26	10/08/93
Toluene	ug/L	0.5	27	10/08/93
Ethylbenzene	ug/L	0.5	11	10/08/93
Xylenes, Total	ug/L	0.5	150	10/08/93

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

REPORT OF LABORATORY ANALYSIS

October 13, 1993
PACE Project Number: 431005508

Client Reference: BP Station # 11266

PACE Sample Number:			70 0165857	
Date Collected:			09/29/93	
Date Received:			10/05/93	
Client Sample ID:			MW-1	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	10/08/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	1100	10/08/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	10/08/93
Benzene	ug/L	0.5	22	10/08/93
Toluene	ug/L	0.5	16	10/08/93
Ethylbenzene	ug/L	0.5	54	10/08/93
Xylenes, Total	ug/L	0.5	110	10/08/93

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

REPORT OF LABORATORY ANALYSIS

October 13, 1993
PACE Project Number: 431005508

Client Reference: BP Station # 11266

PACE Sample Number:			70 0165865	
Date Collected:			09/29/93	
Date Received:			10/05/93	
Client Sample ID:			MW-2	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	10/08/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	68	10/08/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	10/08/93
Benzene	ug/L	0.5	ND	10/08/93
Toluene	ug/L	0.5	0.9	10/08/93
Ethylbenzene	ug/L	0.5	0.7	10/08/93
Xylenes, Total	ug/L	0.5	1.9	10/08/93

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

Mr. Bill Howell
Page 4

October 12, 1993
PACE Project Number: 431005508

Client Reference: BP Station # 11266

PACE Sample Number:			70 0165873	
Date Collected:			09/29/93	
Date Received:			10/05/93	
Client Sample ID:			MW-3	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	10/10/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	10/10/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	10/10/93
Benzene	ug/L	0.5	ND	10/10/93
Toluene	ug/L	0.5	ND	10/10/93
Ethylbenzene	ug/L	0.5	ND	10/10/93
Xylenes, Total	ug/L	0.5	ND	10/10/93

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

Mr. Bill Howell
Page 5

October 12, 1993
PACE Project Number: 431005508

Client Reference: BP Station # 11266

PACE Sample Number:			70 0165881	
Date Collected:			09/29/93	
Date Received:			10/05/93	
Client Sample ID:			MW-4	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	10/08/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	10/08/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	10/08/93
Benzene	ug/L	0.5	ND	10/08/93
Toluene	ug/L	0.5	ND	10/08/93
Ethylbenzene	ug/L	0.5	ND	10/08/93
Xylenes, Total	ug/L	0.5	ND	10/08/93

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

REPORT OF LABORATORY ANALYSIS

Mr. Bill Howell
Page 6

October 12, 1993
PACE Project Number: 431005508

Client Reference: BP Station # 11266

PACE Sample Number:			70 0165890	
Date Collected:			09/29/93	
Date Received:			10/05/93	
Client Sample ID:			MW-5	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	10/08/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	10/08/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	10/08/93
Benzene	ug/L	0.5	ND	10/08/93
Toluene	ug/L	0.5	ND	10/08/93
Ethylbenzene	ug/L	0.5	ND	10/08/93
Xylenes, Total	ug/L	0.5	0.6	10/08/93

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

REPORT OF LABORATORY ANALYSIS

October 12, 1993
PACE Project Number: 431005508

Client Reference: BP Station # 11266

PACE Sample Number:			70 0165903	
Date Collected:			09/29/93	
Date Received:			10/05/93	
Client Sample ID:			MW-6	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	10/08/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	10/08/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	10/08/93
Benzene	ug/L	0.5	ND	10/08/93
Toluene	ug/L	0.5	ND	10/08/93
Ethylbenzene	ug/L	0.5	ND	10/08/93
Xylenes, Total	ug/L	0.5	ND	10/08/93

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

pace INCORPORATED
THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

October 13, 1993
PACE Project Number: 431005508

Client Reference: BP Station # 11266

PACE Sample Number:			70 0165911	
Date Collected:			09/29/93	
Date Received:			10/05/93	
Client Sample ID:			QC-1	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	10/08/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	1200	10/08/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	10/08/93
Benzene	ug/L	0.5	26	10/08/93
Toluene	ug/L	0.5	28	10/08/93
Ethylbenzene	ug/L	0.5	11	10/08/93
Xylenes, Total	ug/L	0.5	160	10/08/93

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

pace INCORPORATED
THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

October 12, 1993
PACE Project Number: 431005508

Client Reference: BP Station # 11266

PACE Sample Number:			70 0165920	
Date Collected:			09/29/93	
Date Received:			10/05/93	
Client Sample ID:			QC-2	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	10/08/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	10/08/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	10/08/93
Benzene	ug/L	0.5	ND	10/08/93
Toluene	ug/L	0.5	ND	10/08/93
Ethylbenzene	ug/L	0.5	ND	10/08/93
Xylenes, Total	ug/L	0.5	ND	10/08/93

These data have been reviewed and are approved for release.

Darrell C. Cain
Regional Director

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

Client Reference: BP Station # 11266

MDL Method Detection Limit
ND Not detected at or above the MDL.

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

Mr. Bill Howell
Page 11

QUALITY CONTROL DATA

October 12, 1993
PACE Project Number: 431005508

Client Reference: BP Station # 11266

PURGEABLE FUELS AND AROMATICS
Batch: 70 25361
Samples: 70 0165849, 70 0165857, 70 0165865, 70 0165881, 70 0165890
70 0165903, 70 0165911, 70 0165920

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			-
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			-
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	1000	110%	115%	4%
Benzene	ug/L	0.5	40.0	103%	100%	2%
Toluene	ug/L	0.5	40.0	108%	103%	4%
Ethylbenzene	ug/L	0.5	40.0	109%	104%	4%
Xylenes, Total	ug/L	0.5	120	110%	104%	5%

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

Mr. Bill Howell QUALITY CONTROL DATA October 12, 1993
Page 12 PACE Project Number: 431005508

Client Reference: BP Station # 11266

PURGEABLE FUELS AND AROMATICS
Batch: 70 25411
Samples: 70 0165873

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			-
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			-
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	1000	113%	104%	8%
Benzene	ug/L	0.5	40.0	104%	106%	1%
Toluene	ug/L	0.5	40.0	107%	109%	1%
Ethylbenzene	ug/L	0.5	40.0	108%	108%	0%
Xylenes, Total	ug/L	0.5	120	108%	109%	0%

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

Client Reference: BP Station # 11266

MDL	Method Detection Limit
ND	Not detected at or above the MDL.
RPD	Relative Percent Difference

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

pace INCORPORATED
THE ASSURANCE OF QUALITY

B.P. OIL COMPANY

16400 Southcenter Parkway, Suite 301, Tukwila, WA 98188

CHAIN OF CUSTODY

431005.508

№ 0745

☒ Novato, CA, 11 Digital Drive, 94949
Phone: (415) 883-6100 Fax: (415) 883-2673

☐ Huntington Beach, CA, 5702 Bolsa Avenue, 92649
Phone: (714) 892-2565 Fax: (714) 890-4032

Consultant's Name: ALISTO ENGINEERING	Consultant Project #: 10-050-03-02	Page 1 of 1
Address: 1777 OAKLAND BLVD., STE 200 WALNUT CREEK		
Project Contact: Bill Howell	Phone #: 5102951650 Fax #: 5102951823	Consultant Work Order #: 10-050-03-02
Sampled by (print): Steven Ryder	Sampler's Signature: S. T. R.	B.P. Site Location #: BP 11266
Shipment Method: Courier / Airbill #:	Shipment Date: 10-1-93	B.P. Site Location: 1541 PARK ST. ALAMEDA

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ Standard (10 day)

Sample Condition as Received
Temperature ° C: _____
Cooler #: _____
Inbound Seal Yes No
Outbound Seal Yes No

Sample Description	Collection Date/Time 9/29/93	Matrix Soil/Water	Prsv	# of Cont	PACE Sample #	TPH/GAS/BTEX EPA 8015/8020	TPH/Diesel EPA 8015	TRPH EPA 418.1	HVOC 8010									COMMENTS
RW-1	14:50	H_2O	HCl	3	165849	X												
MW-1	13:45	↓	↓	↓	16585.7	X												
MW-2	13:15				16586.5	X												
MW-3	11:44				16587.3	X												
MW-4	11:19				16588.1	X												
MW-5	12:38				16589.0	X												
MW-6	12:10				16590.3	X												
QC-1	14:55	↓	↓	↓	16591.1	X												
QC-2		X	X	2	16592.0	X												

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time
S. T. R / BTS	9/30/93	0900	[signature] / BTS	9/30/93	0900
Bill Howell	10/5/93	0934	Donald Johanski / Pace	10/5/93	1511
Donald Johanski Pace	10/6/93	1635	[signature] / Pace	10/5/93	1635

Additional Comments:

F974158

Distribution: White - Original Yellow - B.P. Oil Pink - Lab Goldenrod - Consultant Field Staff