BP OIL

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

April 21, 1994

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

RE: BP OIL FACILITY #11120
6400 Dublin Blvd.
Dublin, CA

Attached please find our **GROUNDWATER MONITORING AND SAMPLING DATED APRIL 14, 1994** for the above referenced facility.

Please call me at (206) 251-0689 with questions regarding this submission.

Respectfully,

Scott T. Hooton
Group Leader

STH:mu ERM11120

cc: Ms. Eva Chu, Alameda County Health Care Services Agency, 80 Swan Way, Room 200, Oakland, CA 94621

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

Site file

GROUNDWATER MONITORING AND SAMPLING REPORT

BP Oil Company Service Station No. 11120
6400 Dublin Boulevard
Dublin, California

Project No. 10-170-01-003

Prepared for:

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

Prepared by:

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

April 14, 1994

William Howell
Project Manager

Dan Salaices
Registered Geologist

GROUNDWATER MONITORING AND SAMPLING REPORT

BP Oil Company Service Station No. 11120
6400 Dublin Boulevard
Dublin, California

Project No. 10-170-01-003

April 14, 1994

INTRODUCTION

This report presents the results and findings of the March 7, 1994 groundwater monitoring and sampling conducted by Alisto Engineering Group at BP Oil Company Service Station No. 11120, 6400 Dublin Boulevard, 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.

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, 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. 11120
6400 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-170

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ppb)	TPH-D (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	TOG (ppb)	HVOC (ppb)	DO (ppb)	LAB
MW-1	10/27/92	328.96	8.19	320.77	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000	ND	---	PACE
MW-1	04/09/93	328.96	4.79	324.17	ND<50	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-1	08/25/93	328.96	6.85	322.11	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-1	11/22/93	328.96	7.38	321.58	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-1	03/07/94	328.96	5.89	323.07	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	4300	PACE
MW-2	10/27/92	328.50	7.64	320.86	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-2	04/09/93	328.50	4.12	324.38	ND<50	80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-2	08/25/93	328.50	6.31	322.19	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-2	11/22/93	328.50	7.12	321.38	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-2	03/07/94	328.50	5.60	322.90	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	4300	PACE
MW-3	10/27/92	329.36	8.43	320.93	210	ND<50	3	0.7	0.9	30	---	---	---	PACE
MW-3	04/09/93	329.36	4.90	324.46	400	260	6.1	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-3	08/25/93	329.36	7.13	322.23	2000	440	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-3	11/22/93	329.36	7.60	321.76	1800	360	ND<2.5	ND<2.5	ND<2.5	ND<2.5	---	---	---	PACE
MW-3	03/07/94	329.36	6.08	323.28	[illegible]	[illegible]	22	4.0	2.2	3.8	---	---	3700	PACE
MW-4	10/27/92	329.45	8.61	320.84	2300	190	23	54	50	320	---	---	---	PACE
MW-4	04/09/93	329.45	5.25	324.20	1600	500	78	3.5	68	1.0	---	---	---	PACE
MW-4	08/25/88	329.45	7.32	322.13	1800	380	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
QC-1 (c)	08/25/93	---	---	---	1600	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-4	11/22/93	329.45	7.83	321.62	610	260	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
QC-1 (c)	11/22/93	---	---	---	1700	---	ND<2.5	ND<2.5	ND<2.5	ND<2.5	---	---	---	PACE
MW-4	03/07/94	329.45	6.29	323.16	710	1400	0.5	0.8	ND<0.5	ND<0.5	---	---	3800	PACE
QC-1 (c)	03/07/94	---	---	---	1600	---	ND<0.5	ND<0.5	1.4	0.6	---	---	---	PACE
MW-5	04/09/93	329.60	5.18	324.42	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-5	08/25/93	329.60	7.28	322.32	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-5	11/22/93	329.60	7.82	321.78	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-5	03/07/94	329.60	6.27	323.33	ND<50	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	5700	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11120
6400 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-170

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ppb)	TPH-D (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	TOG (ppb)	HVOC (ppb)	DO (ppb)	LAB
MW-6	04/09/93	329.55	5.37	324.18	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-6	08/25/93	329.55	7.42	322.13	ND<50	170	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-6	11/22/93	329.55	7.93	321.62	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-6	03/07/94	329.55	6.25	323.30	ND<50	90 (d)	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	4200	PACE
MW-7	04/09/93	329.49	5.36	324.13	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-7	08/25/93	329.49	7.44	322.05	ND<50	150	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-7	11/22/93	329.49	7.92	321.57	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-7	03/07/94	329.49	6.20	323.29	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	3700	PACE
QC-2 (e)	08/25/93	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
QC-2 (e)	11/22/93	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
QC-2 (e)	03/07/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE

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
ppb	Parts per billion
ND	Not detected above various reported detection limits
---	Not analyzed/applicable
PACE	Pace, Inc.

NOTES:

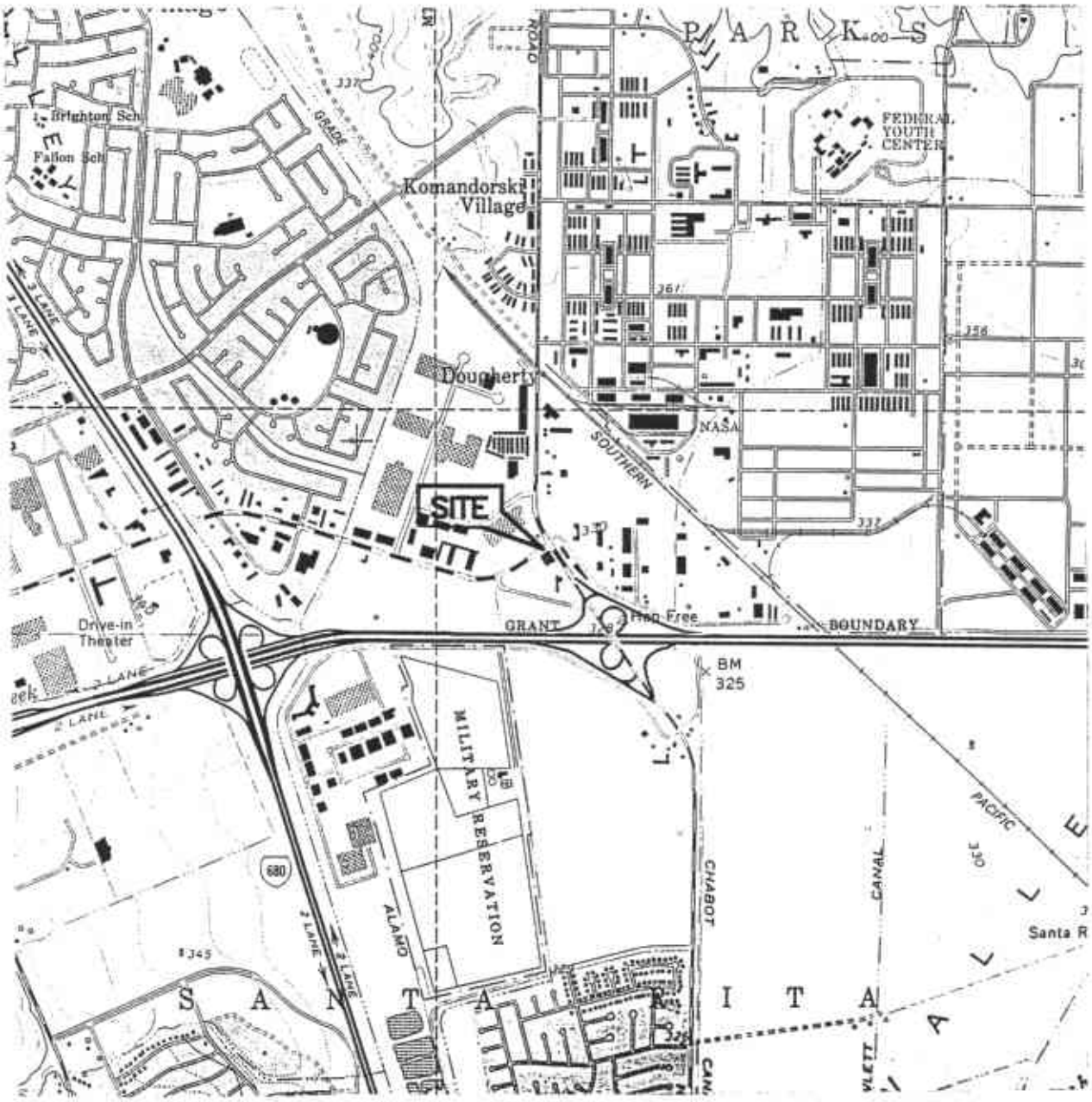
(a) Top of casing elevations surveyed to an arbitrary datum.

(b) Groundwater elevations relative to an arbitrary datum.

(c) Blind duplicate.

(d) Sample pattern does not match the Diesel Standard pattern.

(e) Travel blank.



SOURCE:
USGS MAP, DUBLIN QUADRANGLE, CALIFORNIA. 7.5 MINUTE SERIES. 1961. PHOTOREVISED 1980.

N

0 1000' 2000'

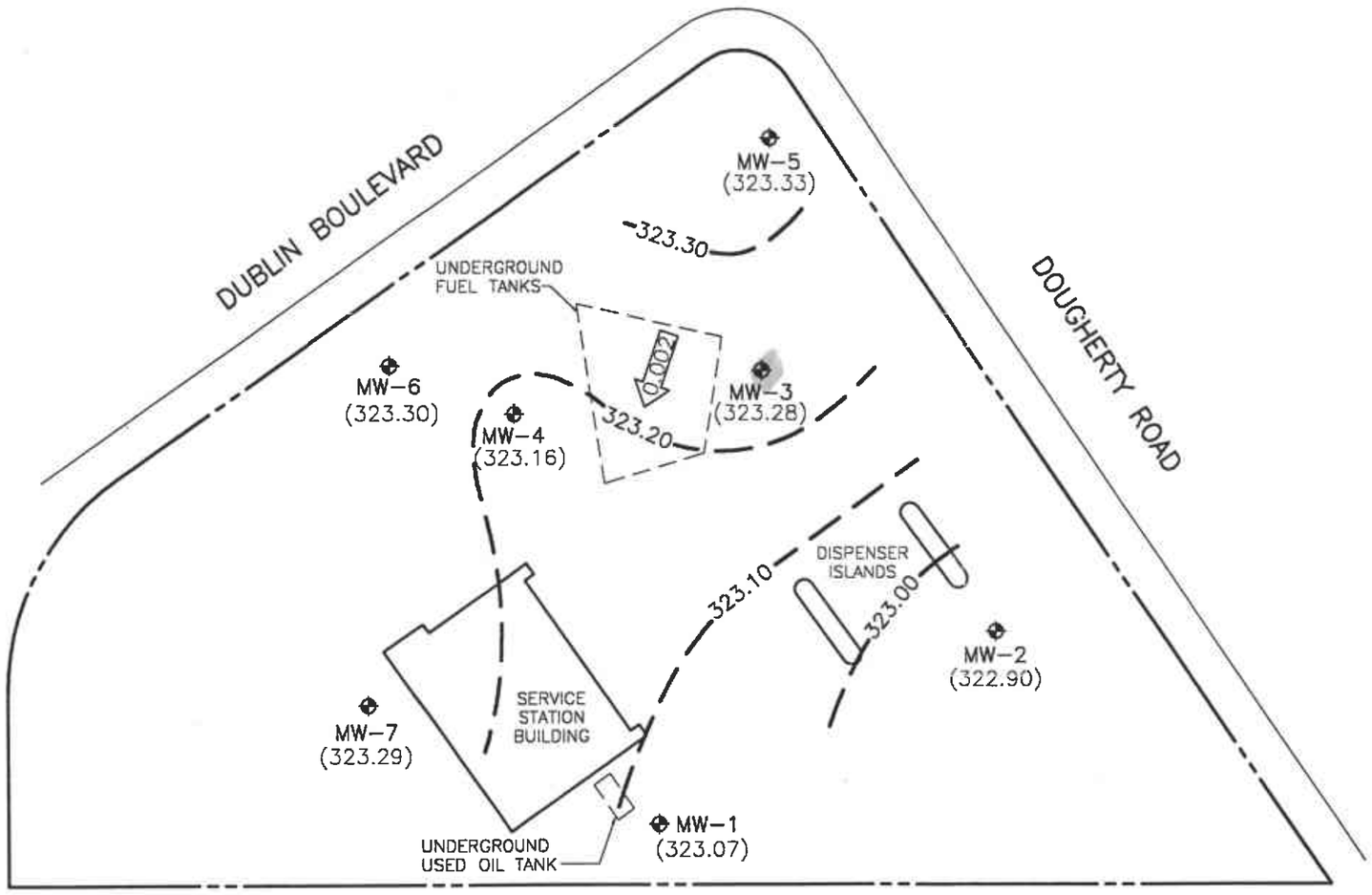
FIGURE 1

SITE VICINITY MAP

BP OIL SERVICE STATION NO. 11120
6400 DUBLIN BOULEVARD
DUBLIN, CALIFORNIA

PROJECT NO. 10-170

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA



N

0 30 60

SCALE IN FEET

LEGEND

- ◆ GROUNDWATER MONITORING WELL
- (322.90) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- 323.10 GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL (CONTOUR INTERVAL—0.10 FOOT)
- 0.002 CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT

FIGURE 2

POTENTIOMETRIC GROUNDWATER ELEVATION CONTOUR MAP

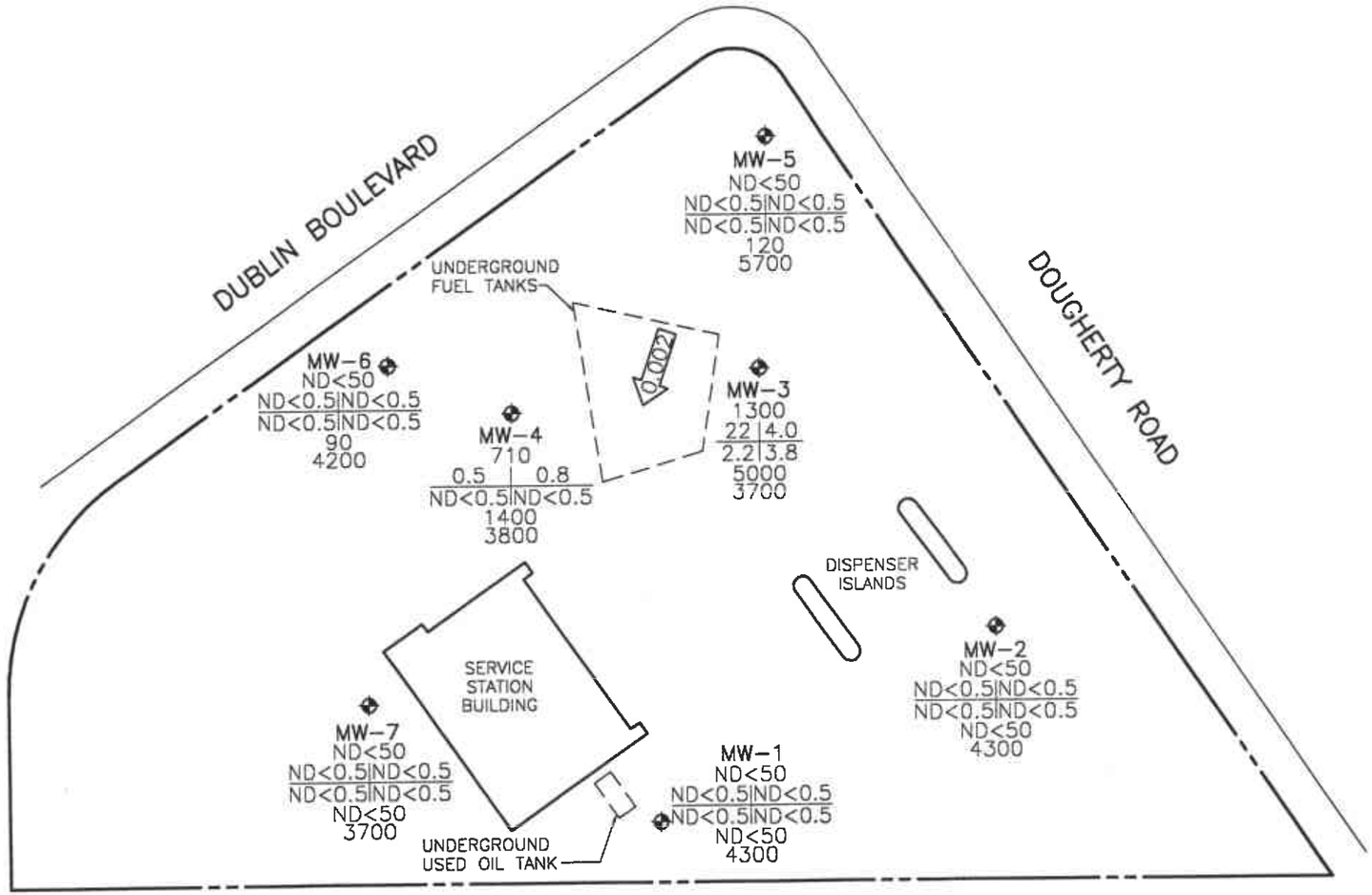
MARCH 7, 1994

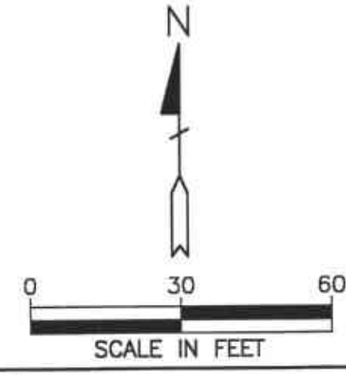
BP OIL SERVICE STATION NO. 11120
6400 DUBLIN BOULEVARD
DUBLIN, CALIFORNIA

PROJECT NO. 10-170

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

10170D-DWG 4-11-94 WW 1=30





LEGEND

◆	GROUNDWATER MONITORING WELL
TPH–G / B | T / E | X / TPH–D / DO	CONCENTRATION OF CONSTITUENTS IN PARTS PER BILLION
TPH–G	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
TPH–D	TOTAL PETROLEUM HYDROCARBONS AS DIESEL
DO	DISSOLVED OXYGEN
ND	NOT DETECTED ABOVE REPORTED DETECTION LIMIT
⟨0.002	CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT

FIGURE 3

CONCENTRATIONS OF PETROLEUM HYDROCARBONS IN GROUNDWATER

MARCH 7, 1994

BP OIL SERVICE STATION NO. 11120
6400 DUBLIN BOULEVARD
DUBLIN, CALIFORNIA

PROJECT NO. 10–170

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

APPENDIX A

WATER SAMPLING FIELD SURVEY FORMS

ALISTO ENGINEERING GROUP
GROUNDWATER MONITORING

Client: BP
Alisto Project No: 10-170-01-003
Service Station No: 1120

Date: 3/7/94
Field Personnel: LCB
Site Address: Dublin, CA

FIELD ACTIVITY:

X Groundwater Monitoring
X Groundwater Sampling
__ Well Development

QUALITY CONTROL SAMPLES:

MW-4 QC-1 Sample Duplicate (Well ID)
X QC-2 Trip Blank
__ QC-3 Rinsate Blank

Well ID	Well Diam	Order Measured/ Sampled	Total Depth	Depth to Water	Depth to Product	Product Thick-ness	Comments
MW-1	2"	5	18.20	5.89	Ø	Ø	
MW-2		4	18.25	5.60			
MW-3		6	18.61	6.08			
MW-4		7	18.15	6.29			
MW-5	↓	1	21.35	6.27			
MW-6	4"	3	19.25	6.25			
MW-7	2"	2	20.25	6.20	↓	↓	

Notes:

FORM: FS2/121592

ALISTO ENGINEERING GROUP

Groundwater Monitoring Well Development/Sampling Field Survey Form

Client: BP
Alisto Project No: 10-170
Service Station No: 11120

Date: 3/7/94
Field Personnel: LCB
Address: Dublin, CA

Well ID: MW-1 Field Activity: ___Well Development X Well Sampling ___Product Bailing

Casing Diameter:
X 2 Inch (0.16 Gal/foot)
___3 Inch (0.37 Gal/foot)
___4 Inch (0.65 Gal/Foot)
___4.5 Inch (0.83 Gal/foot)
___6 Inch (1.47 Gal/foot)

Purge Method:
X Pump (dispos. Poly Tubing)
___Disposable Bailers
___Other
___1.66 PVC Standard Bailer
___3.50 PVC Standard Bailer

Well Data:
Ø Depth to Product
Ø Product Thickness
5.89 Depth to Water

Sampling Method:
X Dispos. Bailer
___Pump

Decontamination Method: X Triple Rinse (Liquinox) ___ Steam Cleaned

Calculated Purge Volume

18.20 (Total Depth of Well) - 5.89 (Depth to Water) = 12.31 (Water Column) ft x .16 (Conversion Factor) Gal/Ft = 1.97 (Casing Vol) Gal x 3 (Vols to Purge) = 5.91 (Calculated Purge Volume)

Well Development/Sampling Parameters

Time	~~Surged (Min)~~ Temp	~~Temp °F~~	pH	X1000 Cond. (umhos /cm)	Purge Vol (Gal)	Comments	Analysis Required	Container Type	Preserv.
1402	72.6		8.11	1.19	1	Clear	X TPH-G/BTEX	VOA	HCL
1404	71.9		8.01	1.19	2	↓	X TPH-Diesel	Amber Liter	
1406	71.3		7.96	1.16	3		EPA 601	VOA	
1408	71.0		7.86	1.13	4		TOG 5520BF	Amber Liter	H_2NO_3
1410	70.5		7.83	1.13	6				

Comments: Begin 1400 Stop 1410 Sampled 1415

4.4 Begin
4.3 End

ALISTO ENGINEERING GROUP
Groundwater Development and Sampling Form

Client: BP
Alisto Project No: 10-170
Service Station No: 11120

Date: 3/7/94
Field Personnel: LB
Address: Dublin, CA

Well ID: MW-2 Field Activity: ___Well Development X Well Sampling ___Product Bailing

Casing Diameter:
- X 2 Inch (0.16 Gal/foot)
- ___3 Inch (0.37 Gal/foot)
- ___4 Inch (0.65 Gal/Foot)
- ___4.5 Inch (0.83 Gal/foot)
- ___6 Inch (1.47 Gal/foot)

Purge Method:
- X Pump (dispos. Poly Tubing)
- ___Disposable Bailers
- ___Other
- ___1.66 PVC Standard Bailer
- ___3.50 PVC Standard Bailer

Well Data:
- Ø Depth to Product
- Ø Product Thickness
- 5.60 Depth to Water

Sampling Method:
- X Disposable Bailer
- ___Pump

Decontamination Method:
- X Triple Rinse (Liquinox)
- ___ Steam Cleaned

Calculated Purge Volume

18.25 (Total Depth of Well) - 5.60 (Depth to Water) = 12.65 ft (Water Column) X .16 Gal/Ft (Conversion Factor) = 2.02 Gal (Casing Vol) X 3 (Vols to Purge) = 6.06 (Total Volume)

Well Development/Sampling Parameters

Time	Temp °F	pH	X1000 Cond. (umhos/cm)	Purge Vol (Gal)	Comments/ Turbidity
1342	73.6	8.21	1.66	1	clear
1344	73.3	8.11	1.62	2	↓
1345	73.0	8.07	1.53	3	Lt. Brown
1346	71.9	8.03	1.50	4	
1347	71.1	8.00	1.47	6.25	↓

Analysis Required	Container Type	Preserv
X TPH-G/BTEX	VOA	HCL
X TPH-Diesel	Amber Liter	Solvent Rinsed
EPA 601	VOA	
TOG 5520BF	Amber Liter	H_2SO_4

Begin 1340 Stop 1347 Sampled 1355

D.O. (PPM) 4.6 Begin
4.3 End

FORM: FS3/121592

ALISTO ENGINEERING GROUP
Groundwater Development and Sampling Form

Client: BP
Alisto Project No: 10-170
Service Station No: 11120

Date: 3/7/94
Field Personnel: LB
Address: Dublin, Ca

Well ID: MW-3 Field Activity: ___Well Development X Well Sampling ___Product Bailing

Casing Diameter:
- X 2 Inch (0.16 Gal/foot)
- ___3 Inch (0.37 Gal/foot)
- ___4 Inch (0.65 Gal/Foot)
- ___4.5 Inch (0.83 Gal/foot)
- ___6 Inch (1.47 Gal/foot)

Purge Method:
- X Pump (dispos. Poly Tubing)
- ___Disposable Bailers
- ___Other
- ___1.66 PVC Standard Bailer
- ___3.50 PVC Standard Bailer

Well Data:
- 0 Depth to Product
- 0 Product Thickness
- 6.08 Depth to Water

Sampling Method:
- X Disposable Bailer
- ___Pump

Decontamination Method:
- X Triple Rinse (Liquinox)
- ___ Steam Cleaned

Calculated Purge Volume

18.61 (Total Depth of Well) - 6.08 (Depth to Water) = 12.53 ft (Water Column) X .16 Gal/Ft (Conversion Factor) = 2.00 Gal (Casing Vol) X 3 (Vols to Purge) = 6.00 (Total Volume)

Well Development/Sampling Parameters

Time	Temp °F	pH	X1000 Cond. (umhos/cm)	Purge Vol (Gal)	Comments/ Turbidity	Analysis Required	Container Type	Preserv
1427	72.7	8.42	1.08	1	Clear	X TPH-G/BTEX	VOA	HCL
1429	72.7	8.11	1.10	2		X TPH-Diesel	Amber Liter	Solvent Rinsed
1431	72.2	8.01	1.06	4		EPA 601	VOA	
1433	71.6	7.96	1.06	5		TOG 5520BF	Amber Liter	H_2SO_4
1435	71.2	7.94	1.06	6				

Begin 1425 Stop 1435 Sampled 1440

D.O 2 3.9 Begin
(ppm) 3.7 End

FORM: FS3/121594

ALISTO ENGINEERING GROUP
Groundwater Development and Sampling Form

Client: BP
Alisto Project No: 10-170
Service Station No: 11120

Date: 3/7/94
Field Personnel: LB
Address: Dublin, CA

Well ID: MW-4 Field Activity: ___Well Development X Well Sampling ___Product Bailing

Casing Diameter:

X 2 Inch (0.16 Gal/foot)
___3 Inch (0.37 Gal/foot)
___4 Inch (0.65 Gal/Foot)
___4.5 Inch (0.83 Gal/foot)
___6 Inch (1.47 Gal/foot)

Purge Method:

X Pump (dispos. Poly Tubing)
___Disposable Bailers
___Other
___1.66 PVC Standard Bailer
___3.50 PVC Standard Bailer

Well Data:

Ø Depth to Product
Ø Product Thickness
6.29 Depth to Water

Sampling Method:

X Disposable Bailer
___Pump

Decontamination Method:

X Triple Rinse (Liquinox)
___ Steam Cleaned

Calculated Purge Volume

18.15 (Total Depth of Well) - 6.29 (Depth to Water) = 11.86 ft (Water Column) X .16 (Conversion Factor) Gal/Ft = 1.90 Gal (Casing Vol) X 3 (Vols to Purge) = 5.70 (Total Volume)

Well Development/Sampling Parameters

Time	Temp °F	pH	Cond. (umhos/cm) X1000	Purge Vol (Gal)	Comments/ Turbidity	Analysis Required	Container Type	Preserv
1502	82.3	8.88	1.81	1	Clear	X TPH-G/BTEX	VOA	HCL
1504	78.2	8.44	1.57	2		X TPH-Diesel	Amber Liter	Solvent Rinsed
1506	77.4	8.29	1.49	3		EPA 601	VOA	
1508	76.0	8.11	1.47	4		TOG 5520BF	Amber Liter	H_2SO_4
1510	75.5	8.06	1.47	6				

Begin 1500 Stop 1510 Sampled 1520

QC-1 Dup taken From this well

FORM: FS3/121592

0.02 (PPM) 3.8 Begin
3.8 End

ALISTO ENGINEERING GROUP
Groundwater Development and Sampling Form

Client: BP
Alisto Project No: 10-170
Service Station No: 11120

Date: 3/7/94
Field Personnel: LCB
Address: Dublin, Ca

Well ID: MW-5 Field Activity: ___Well Development X Well Sampling ___Product Bailing

Casing Diameter:
- X 2 Inch (0.16 Gal/foot)
- ___3 Inch (0.37 Gal/foot)
- ___4 Inch (0.65 Gal/Foot)
- ___4.5 Inch (0.83 Gal/foot)
- ___6 Inch (1.47 Gal/foot)

Purge Method:
- X Pump (dispos. Poly Tubing)
- ___Disposable Bailers
- ___Other
- ___1.66 PVC Standard Bailer
- ___3.50 PVC Standard Bailer

Well Data:
- Ø Depth to Product
- Ø Product Thickness
- 6.27 Depth to Water

Sampling Method:
- X Disposable Bailer
- ___Pump

Decontamination Method:
- X Triple Rinse (Liquinox)
- ___ Steam Cleaned

Calculated Purge Volume

21.35 (Total Depth of Well) - 6.27 (Depth to Water) = 15.08 ft (Water Column) X .16 Gal/Ft (Conversion Factor) = 2.41 Gal (Casing Vol) X 3 (Vols to Purge) = 7.23 (Total Volume)

Well Development/Sampling Parameters

Time	Temp °F	pH	Cond. (umhos/cm) X1000	Purge Vol (Gal)	Comments/ Turbidity
1103	73.5	8.35	1.26	1	Clear
1106	72.6	8.27	1.10	3	
1109	71.9	8.15	1.06	4	
1112	71.2	8.06	1.06	5	
1115	70.6	7.98	1.04	7.25	

Analysis Required	Container Type	Preserv
X TPH-G/BTEX	VOA	HCL
X TPH-Diesel	Amber Liter	Solvent Rinsed
EPA 601	VOA	
TOG 5520BF	Amber Liter	H_2SO_4

Begin 1100 Stop 1115 Sampled 1120

D.O2 (PPM) 5.4 Begin
5.7 End

FORM: FS3/121592

ALISTO ENGINEERING GROUP
Groundwater Development and Sampling Form

Client: BP
Alisto Project No: 10-170
Service Station No: 11120

Date: 3/7/94
Field Personnel: LB
Address: Dublin, Ca

Well ID: MW-6 Field Activity: ___Well Development X Well Sampling ___Product Bailing

Casing Diameter:

___2 Inch (0.16 Gal/foot)
___3 Inch (0.37 Gal/foot)
X 4 Inch (0.65 Gal/Foot)
___4.5 Inch (0.83 Gal/foot)
___6 Inch (1.47 Gal/foot)

Purge Method:

X Pump (dispos. Poly Tubing)
___Disposable Bailers
___Other
___1.66 PVC Standard Bailer
___3.50 PVC Standard Bailer

Well Data:

Ø Depth to Product
Ø Product Thickness
6.25 Depth to Water

Sampling Method:

X Disposable Bailer
___Pump

Decontamination Method:

X Triple Rinse (Liquinox)
___Steam Cleaned

Calculated Purge Volume

19.25 (Total Depth of Well) - 16.25 (Depth to Water) = 13.00 ft (Water Column) X .65 Gal/Ft (Conversion Factor) = 8.45 Gal (Casing Vol) X 3 (Vols to Purge) = 25.35 (Total Volume)

Well Development/Sampling Parameters

Time	Temp °F	pH	Cond. (umhos/cm)	Purge Vol (Gal)	Comments/ Turbidity	Analysis Required	Container Type	Preserv
			X1000					
1304	72.4	8.15	2.21	5	clear	X TPH-G/BTEX	VOA	HCL
1308	71.9	8.26	1.55	10		X TPH-Diesel	Amber Liter	Solvent Rinsed
1312	71.1	8.16	1.47	15		EPA 601	VOA	
1316	70.5	8.06	1.45	20		TOG 5520BF	Amber Liter	H_2SO_4
1320	70.1	8.00	1.44	2550	↓			

Begin 1300 Stop 1320 Sampled 1330

D.O. (ppm) 4.2 Begin
4.2 End

FORM: FS3/121592

ALISTO ENGINEERING GROUP
Groundwater Development and Sampling Form

Client: BP
Alisto Project No: 10-170
Service Station No: 11120

Date: 3/7/94
Field Personnel: LCB
Address: Dublin, CA

Well ID: MW-7 Field Activity: ___Well Development X Well Sampling ___Product Bailing

Casing Diameter:

X 2 Inch (0.16 Gal/foot)
___3 Inch (0.37 Gal/foot)
___4 Inch (0.65 Gal/Foot)
___4.5 Inch (0.83 Gal/foot)
___6 Inch (1.47 Gal/foot)

Purge Method:

X Pump (dispos. Poly Tubing)
___Disposable Bailers
___Other
___1.66 PVC Standard Bailer
___3.50 PVC Standard Bailer

Well Data:

0 Depth to Product
0 Product Thickness
6.20 Depth to Water

Sampling Method:

X Disposable Bailer
___Pump

Decontamination Method:

X Triple Rinse (Liquinox)
___ Steam Cleaned

Calculated Purge Volume

20.25 (Total Depth of Well) - 6.20 (Depth to Water) = 14.05 ft (Water Column) X .16 Gal/Ft (Conversion Factor) = 2.25 Gal (Casing Vol) X 3 (Vols to Purge) = 6.75 (Total Volume)

Well Development/Sampling Parameters

Time	Temp °F	pH	Cond. (umhos/cm)	Purge Vol (Gal)	Comments/ Turbidity
1132	72.2	8.04	1.13	1	Clear
1134	71.9	7.93	1.10	3	
1136	71.6	7.86	1.09	4	
1138	71.2	7.83	1.09	5	
1140	70.8	7.80	1.08	6.75	

Analysis Required	Container Type	Preserv
X TPH-G/BTEX	VOA	HCL
X TPH-Diesel	Amber Liter	Solvent Rinsed
EPA 601	VOA	
TOG 5520BF	Amber Liter	H_2SO_4

Begin 1130 Stop 1240 Sampled 1245

FORM: FS3/121592

D. 02 (P/M)
3.7 Begin
3.7 End

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

March 15, 1994
PACE Project Number: 440308510

Attn: Mr. Bill Howell

Client Reference: BP Station # 11120/CP# 10-170-01/003

PACE Sample Number:			70 0268087	
Date Collected:			03/07/94	
Date Received:			03/08/94	
			MW-1	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	03/10/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	03/10/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	03/10/94
Benzene	ug/L	0.5	ND	03/10/94
Toluene	ug/L	0.5	ND	03/10/94
Ethylbenzene	ug/L	0.5	ND	03/10/94
Xylenes, Total	ug/L	0.5	ND	03/10/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	ND	03/14/94
Date Extracted			03/11/94	

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

REPORT OF LABORATORY ANALYSIS

March 15, 1994
PACE Project Number: 440308510

Client Reference: BP Station # 11120/CP# 10-170-01/003

PACE Sample Number:			70 0268095	
Date Collected:			03/07/94	
Date Received:			03/08/94	
Client Sample ID:			MW-2	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	03/10/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	03/10/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	03/10/94
Benzene	ug/L	0.5	ND	03/10/94
Toluene	ug/L	0.5	ND	03/10/94
Ethylbenzene	ug/L	0.5	ND	03/10/94
Xylenes, Total	ug/L	0.5	ND	03/10/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	ND	03/14/94
Date Extracted			03/11/94	

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

REPORT OF LABORATORY ANALYSIS

March 15, 1994
PACE Project Number: 440308510

Client Reference: BP Station # 11120/CP# 10-170-01/003

PACE Sample Number:			70 0268109	
Date Collected:			03/07/94	
Date Received:			03/08/94	
Client Sample ID:			MW-3	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS			-	03/10/94
TOTAL FUEL HYDROCARBONS, (LIGHT):				
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	1300	03/10/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	03/10/94
Benzene	ug/L	0.5	22	03/10/94
Toluene	ug/L	0.5	4.0	03/10/94
Ethylbenzene	ug/L	0.5	2.2	03/10/94
Xylenes, Total	ug/L	0.5	3.8	03/10/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	5.0	03/14/94
Date Extracted			03/11/94	

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

REPORT OF LABORATORY ANALYSIS

March 15, 1994
PACE Project Number: 440308510

Client Reference: BP Station # 11120/CP# 10-170-01/003

PACE Sample Number:			70 0268117	
Date Collected:			03/07/94	
Date Received:			03/08/94	
Client Sample ID:			MW-4	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS			-	03/10/94
TOTAL FUEL HYDROCARBONS, (LIGHT):				
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	710	03/10/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	03/10/94
Benzene	ug/L	0.5	0.5	03/10/94
Toluene	ug/L	0.5	0.8	03/10/94
Ethylbenzene	ug/L	0.5	ND	03/10/94
Xylenes, Total	ug/L	0.5	ND	03/10/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	1.4	03/14/94
Date Extracted			03/11/94	

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

REPORT OF LABORATORY ANALYSIS

March 15, 1994
PACE Project Number: 440308510

Client Reference: BP Station # 11120/CP# 10-170-01/003

PACE Sample Number:			70 0268125	
Date Collected:			03/07/94	
Date Received:			03/08/94	
Client Sample ID:			MW-5	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	03/10/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	03/10/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	03/10/94
Benzene	ug/L	0.5	ND	03/10/94
Toluene	ug/L	0.5	ND	03/10/94
Ethylbenzene	ug/L	0.5	ND	03/10/94
Xylenes, Total	ug/L	0.5	ND	03/10/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.12	03/14/94
Date Extracted			03/11/94	

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

REPORT OF LABORATORY ANALYSIS

March 15, 1994
PACE Project Number: 440308510

Client Reference: BP Station # 11120/CP# 10-170-01/003

PACE Sample Number:			70 0268133	
Date Collected:			03/07/94	
Date Received:			03/08/94	
Client Sample ID:			MW-6	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	03/10/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	03/10/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	03/10/94
Benzene	ug/L	0.5	ND	03/10/94
Toluene	ug/L	0.5	ND	03/10/94
Ethylbenzene	ug/L	0.5	ND	03/10/94
Xylenes, Total	ug/L	0.5	ND	03/10/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.09(*)	03/14/94
Date Extracted			03/11/94	

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

pace INCORPORATED
THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

Mr. Bill Howell
Page 7

March 15, 1994
PACE Project Number: 440308510

Client Reference: BP Station # 11120/CP# 10-170-01/003

PACE Sample Number:			70 0268141	
Date Collected:			03/07/94	
Date Received:			03/08/94	
Client Sample ID:			MW-7	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	03/10/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	03/10/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	03/10/94
Benzene	ug/L	0.5	ND	03/10/94
Toluene	ug/L	0.5	ND	03/10/94
Ethylbenzene	ug/L	0.5	ND	03/10/94
Xylenes, Total	ug/L	0.5	ND	03/10/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	ND	03/14/94
Date Extracted			03/11/94	

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

REPORT OF LABORATORY ANALYSIS

Mr. Bill Howell
Page 8

March 15, 1994
PACE Project Number: 440308510

Client Reference: BP Station # 11120/CP# 10-170-01/003

PACE Sample Number:			70 0268150	
Date Collected:			03/07/94	
Date Received:			03/08/94	
Client Sample ID:			QC-2	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	03/10/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	03/10/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	03/10/94
Benzene	ug/L	0.5	ND	03/10/94
Toluene	ug/L	0.5	ND	03/10/94
Ethylbenzene	ug/L	0.5	ND	03/10/94
Xylenes, Total	ug/L	0.5	ND	03/10/94

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

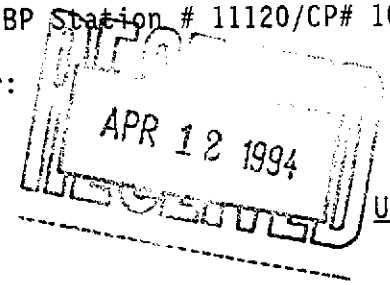
pace INCORPORATED
THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

Mr. Bill Howell
Page 9

March 15, 1994
PACE Project Number: 440308510

Client Reference: BP Station # 11120/CP# 10-170-01/003



PACE Sample Number:			70 0268168	
Date Collected:			03/07/94	
Date Received:			03/08/94	
Client Sample ID:			QC-1	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	03/10/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	1600	03/10/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	03/10/94
Benzene	ug/L	0.5	ND	03/10/94
Toluene	ug/L	0.5	ND	03/10/94
Ethylbenzene	ug/L	0.5	1.4	03/10/94
Xylenes, Total	ug/L	0.5	0.6	03/10/94

These data have been reviewed and are approved for release.

for Darrell C. Cain
Regional Director

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

Client Reference: BP Station # 11120/CP# 10-170-01/003

MDL Method Detection Limit
ND Not detected at or above the MDL.
* The sample pattern does not match the Diesel Standard pattern. There are two unknown peaks present in the sample within the Diesel Standard range.

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

Mr. Bill Howell
Page 11

QUALITY CONTROL DATA

March 15, 1994
PACE Project Number: 440308510

Client Reference: BP Station # 11120/CP# 10-170-01/003

EXTRACTABLE FUELS EPA 3510/8015
Batch: 70 28945
Samples: 70 0268087, 70 0268095, 70 0268109, 70 0268117, 70 0268125
70 0268133, 70 0268141

METHOD BLANK AND SAMPLE DUPLICATE:

Parameter	Units	MDL	Method Blank	700281563	Duplicate of 70 0281563	RPD
Extractable Fuels, as Diesel	mg/L	0.05	ND	3.7	4.5	20%
n-Pentacosane (Surrogate Recovery)	%			71	90	24%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Extractable Fuels, as Diesel	mg/L	0.05	1.00	82%	82%	0%

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

Mr. Bill Howell
Page 12

QUALITY CONTROL DATA

March 15, 1994
PACE Project Number: 440308510

Client Reference: BP Station # 11120/CP# 10-170-01/003

PURGEABLE FUELS AND AROMATICS
Batch: 70 28832
Samples: 70 0268141

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
Methyl tert-Butyl Ether (MTBE)	ug/L	5.0	ND
Xylene (total)	ug/L	0.5	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	MDL	700262909	Spike	Spike Recv	Spike Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	260	1000	82%	88%	7%

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	101%	109%	7%

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

REPORT OF LABORATORY ANALYSIS

Mr. Bill Howell
Page 13

QUALITY CONTROL DATA

March 15, 1994
PACE Project Number: 440308510

Client Reference: BP Station # 11120/CP# 10-170-01/003

PURGEABLE FUELS AND AROMATICS
Batch: 70 28876
Samples: 70 0268150, 70 0268168

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

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	MDL	700281709	Spike	Spike Recv	Spike Dupl Recv	RPD
Benzene	ug/L	0.5	ND	40	99%	98%	1%
Toluene	ug/L	0.5	ND	40	94%	93%	1%
Ethylbenzene	ug/L	0.5	ND	40	95%	94%	1%
Xylenes, Total	ug/L	0.5	ND	120	95%	94%	1%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Benzene	ug/L	0.5	40	105%	102%	2%
Toluene	ug/L	0.5	40	103%	98%	4%
Ethylbenzene	ug/L	0.5	40	107%	98%	8%
Xylenes, Total	ug/L	0.5	120	105%	97%	7%

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

Mr. Bill Howell | QUALITY CONTROL DATA | March 15, 1994
Page 14 | PACE Project Number: 440308510

Client Reference: BP Station # 11120/CP# 10-170-01/003

PURGEABLE FUELS AND AROMATICS
Batch: 70 28890
Samples: 70 0268087, 70 0268095, 70 0268109, 70 0268117, 70 0268125
70 0268133

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

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	MDL	700268095 MW-2	Spike	Spike Recv	Spike Dupl Recv	RPD
Benzene	ug/L	0.5	ND	100	108%	108%	0%
Toluene	ug/L	0.5	ND	100	106%	106%	0%
Ethylbenzene	ug/L	0.5	ND	100	109%	110%	0%
Xylenes, Total	ug/L	0.5	ND	300	106%	106%	0%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Benzene	ug/L	0.5	100	108%	108%	0%
Toluene	ug/L	0.5	100	108%	108%	0%
Ethylbenzene	ug/L	0.5	100	113%	112%	0%
Xylenes, Total	ug/L	0.5	300	112%	110%	1%

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

Mr. Bill Howell
Page 15

FOOTNOTES
for pages 11 through 14

March 15, 1994
PACE Project Number: 440308510

Client Reference: BP Station # 11120/CP# 10-170-01/003

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

440308.510

CHAIN OF CUSTODY

No. 00369 Page 1 of 1

CONSULTANT'S NAME: Alisto Eng.	ADDRESS: 1777 Oakland Blvd #200	CITY: Walnut Creek	STATE: Ca	ZIP CODE: 94596
BP SITE NUMBER: 11120	BP CORNER ADDRESS/CITY: Dublin, Ca			CONSULTANT PROJECT NUMBER: 10-170-01003
CONSULTANT PROJECT MANAGER: Bill Howell	PHONE NUMBER: (510) 295-1650	FAX NUMBER: 295-1823		CONSULTANT CONTRACT NUMBER: Alisto 6047650
BP CONTACT: Scott Hooton	BP ADDRESS	PHONE NUMBER		FAX NO.
LAB CONTACT: Pace, Inc.	LABORATORY ADDRESS: Novato, Ca	PHONE NUMBER: (415) 883-6100		FAX NO.: 883-2673
SAMPLED BY (Please Print Name): Larry Buenvenida	SAMPLED BY (Signature): Larry Buenvenida	SHIPMENT DATE		SHIPMENT METHOD: Courier
				AIRBILL NUMBER

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

ANALYSIS REQUIRED

SAMPLE DESCRIPTION	COLLECTION DATE / TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL.)	PRESERVATIVE LAB SAMPLE #	EPA 8015	EPA 8020	COMMENTS
MW-1	3/7/94	W	4	HCl VOAs	26808.7	X	X	
MW-2					26809.5			
MW-3					26810.9			
MW-4					26811.7			
MW-5					26812.5			
MW-6					26813.3			
MW-7					26814.1			
QC-2			2		26815.0			
QC-1			3		26816.8			

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Larry Buenvenida	3/8/94	1540	Ed Fatkin - Pace	3/8/94	1540
Ed Fatkin Pace	3/8/94	1730	Jim McPhast - Pace	3/8/94	1730

ADDITIONAL COMMENTS: 15/3, A/5

CLV-16722

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