

**PARSONS ENGINEERING SCIENCE, INC.**

290 Elwood Davis Road, Suite 312 • Liverpool, New York 13088 • (315) 451-9560 • Fax (315) 451-9570

ENVIRONMENTAL  
PROTECTION  
96 DEC -9 PM 2:25

MTBE?

STID 3809

November 26, 1996

Ms. Susan Hugo  
Alameda County Department of  
Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502

RE: Quarterly Status Report  
Greyhound Terminal (Location No. 8934)  
Oakland, California

Dear Ms. Hugo:

On behalf of Greyhound Lines, Inc. (Greyhound), Parsons Engineering Science, Inc. (Parsons ES) is pleased to present the October Quarterly Status Report for the Greyhound terminal in Oakland, California. The Quarterly Status Report provides the information specified in "Appendix A" of the "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites" (August 1990). Greyhound has reviewed and approved the enclosed report, and agrees with the conclusions and recommendations provided in the report.

Monitoring activities and groundwater sampling were conducted on October 8, 1996. Table 1 summarizes fluid levels and other pertinent information. Three groundwater samples were collected and analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) (EPA Method 8020), total diesel petroleum hydrocarbons (TPH-D, Modified EPA Method 8015), and total gasoline petroleum hydrocarbons (TPH-G, Modified EPA Method 8015). Monitoring well locations are shown in Figure 1 of the Quarterly Status Report. Analytical results are summarized in Table 2.

During the October monitoring visit, no measurable free product was observed in any of the monitoring or recovery wells onsite. Recovery wells MW-1 and MW-5 remain inaccessible due to problems with the protective manways. This problem will be resolved shortly.

The next groundwater sampling event will be conducted in January 1997. The next quarterly status report will be prepared and submitted to your department on or before February 15, 1997. In the interim, Greyhound urgently requests that Alameda County review the Preliminary Risk Evaluation Report, originally submitted in November of 1993 to support a no further action decision on this site.

**PARSONS ENGINEERING SCIENCE, INC.**

Ms. Susan Hugo  
Alameda County Department of  
Environmental Health  
November 26, 1996  
Page 2

If you have any questions or require additional information, please call us at  
(315) 451-9560.

Sincerely,

**PARSONS ENGINEERING SCIENCE, INC.**



Christopher R. Torrell  
Project Manager



David L. Chaffin, R.G.  
California Registered Geologist  
(No. 4885)

DAN/DLC/rlc

Enclosure

cc: L. Hernandez, GLI, Dallas, TX  
Kevin Graves, Regional Water Quality Control Board

**OCTOBER 1996  
QUARTERLY STATUS REPORT  
GREYHOUND TERMINAL  
OAKLAND, CALIFORNIA**

• **Site Background:**

A preliminary site investigation was completed by Engineering-Science, Inc. (ES) in January 1992. Five monitoring wells (ES-1 through ES-5 in Figure 1) were installed on site and sampled during the investigation. The Preliminary Site Investigation report was submitted to the Alameda County Department of Environmental Health (ACDEH) on January 27, 1992.

Based on the results of the preliminary investigation, a groundwater monitoring program was initiated by Greyhound in June 1992 to assess the impact of former UST operations on groundwater. The program includes monthly groundwater level measurements, quarterly groundwater sampling, and reporting.

Based on the presence of measurable thicknesses of free product discovered in four on site monitoring wells, Greyhound subsequently proposed the installation of an automated free product recovery system. Upon ACDEH approval in October 1992, Greyhound obtained the required permits and installed a recovery system on site during the week of November 9, 1992. A report detailing recovery system installation was submitted to ACDEH on December 18, 1992. The recovery system was placed in operation during the week of January 4, 1993 after discharge permit conditions were finalized with the East Bay Municipal Utility District (EBMUD).

In a letter to Greyhound dated October 23, 1992, ACDEH requested that Greyhound provide documentation regarding the underground fuel storage tank system (UST) removal, including disposal documentation. Greyhound subsequently prepared a Tank Closure Documentation Report for the facility. The report was submitted to ACDEH on December 15, 1992.

In July 1993, Greyhound implemented a Supplemental Site Assessment at the facility to define the full extent of contamination both on and off site. Six monitoring wells (ES-6 through ES-11 in Figure 1) were installed and sampled during the investigation. Results of the Supplemental Site Assessment indicated that the residual soil and groundwater contamination is limited to the former tank pit area on site. Greyhound presented these results to ACDEH in a meeting on September 1, 1993. At that time, ACDEH indicated that a risk assessment could be prepared to support "alternative points of compliance" or site-specific cleanup levels for this site. Greyhound submitted a Preliminary Risk Evaluation Report to ACDEH in October 1993. A Supplemental Site Assessment Report was submitted in November 1993.

During October 1995, the scope of the quarterly groundwater sampling program was reduced to consist of collecting and analyzing samples from three monitoring wells (ES-3, ES-4, and ES-6). Annual sampling of ES-7, ES-8, and ES-11 was also agreed to by both parties at that time. The reduction was discussed during an October 13, 1995 meeting between Greyhound and ACDEH and confirmed in an October 31, 1995 letter from Greyhound to ACDEH.

**OCTOBER 1996  
QUARTERLY STATUS REPORT  
(CONTINUED)**

- **Water level measurements from most recent sampling event:**

Monitoring well data obtained on October 8, 1996 are presented in Table 1. Groundwater elevations determined from the water level measurements are shown in Figure 2. The elevations indicate that the groundwater flow direction across the site is generally to the southeast.

- **Water level measurements from previous monitoring visits:**

Monitoring well data obtained during prior quarterly sampling events is presented in Attachment B. Free product thicknesses have been eliminated in the four onsite recovery wells (ES-1, ES-2, ES-5, and BC-1) since the product recovery system was activated in January 1993.

- **Analytical results from most recent sampling event:**

Analytical results from the groundwater samples collected in October 1996 are summarized in Table 2. The samples were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method 8020, for total diesel petroleum hydrocarbons (TPH-D) by Modified EPA Method 8015, and for total gasoline petroleum hydrocarbons (TPH-G) by Modified EPA Method 8015. Laboratory reports including chain-of-custody documentation, are included in Attachment A.

BTEX compounds were only detected in one of the three samples (ES-4). Benzene (110 µg/l), toluene (4.4 µg/l), ethylbenzene (42 µg/l), and xylenes (39 µg/l) were detected in the sample. TPH-G was also detected in the sample at a concentration of 0.86 mg/L. TPH-D was not detected in any of the three samples.

- **Analytical results from previous sampling events:**

A summary of the analytical results from previous groundwater sampling events is presented in Attachment C.

- **Site map delineating contamination contours for soil and groundwater based on recent data:**

Figure 3 shows the analytical results from the most recent groundwater sampling event.

Figure 4 shows the analytical results from soil samples collected during the preliminary site investigation (November 1991) and the supplemental site assessment (July 1993). The figure indicates that soil contamination is limited to the area near sample locations ES-1, ES-2, and ES-5.

**OCTOBER 1996  
QUARTERLY STATUS REPORT  
(CONTINUED)**

- **Estimates of the quantity of contamination remaining in soil and groundwater, and time for completing remediation:**

Greyhound has not prepared an estimate of the remaining volume of residual soil contamination, based on the recommendation presented in the Supplemental Site Assessment Report that no soil remediation be conducted at the site.

- **Method of cleanup proposed or implemented to date:**

In October 1992, Greyhound proposed a free product recovery system to remove free product discovered in four on site wells. A hydrocarbon recovery system was installed in November 1992 after receiving approval from Ms. Susan Hugo (ACDEH). The recovery system was activated during the week of January 4, 1993.

- **Times and dates equipment was not operating, cause of shutdown, and a corrective action plan to insure similar shutdowns do not reoccur:**

October 6 to October 21, 1993: System shutdown due to an air compressor malfunction.

November and December 1995: System shutdown to monitor hydrocarbon thicknesses.

March and April 1996 (4 weeks maximum): System shutdown due to an air compressor malfunction.

June and July 1996 (4 weeks maximum): System shutdown due to an electrical power supply problem.

The system is inspected monthly during monitoring visits by Parsons ES personnel.

- **Method and location of disposal of the released hazardous substance and any contaminated soil, groundwater, or surface water:**

To date, approximately 1,015 gallons of free product and contaminated groundwater have been recovered and properly disposed off site by Safety Kleen, Inc. and Evergreen Vacuum Services, State of California-certified waste haulers. No additional product has been recovered since the September 1994 monitoring period. In addition, 82,390 gallons of carbon-treated groundwater have been processed through the recovery system on site and discharged to the sanitary sewer under a permit issued by EBMUD.

**OCTOBER 1996  
QUARTERLY STATUS REPORT  
(CONTINUED)**

- **Manifest required for transport of hazardous substances:**

Previously received disposal/transport manifests for diesel fuel and contaminated groundwater recovered from the site were included in Appendix A of the January 1993 Quarterly Status Report. Future manifests will be included in future quarterly status reports.

- **Proposed continuing or next phase of investigation:**

In November 1993, based on the results of the Supplemental Site Assessment and Preliminary Risk Evaluation, Greyhound proposed: (1) to continue free product recovery at the site; (2) to continue the groundwater monitoring program, including monthly water level measurements, quarterly groundwater sampling and analysis, and reporting; and (3) that site-specific cleanup levels be established for the site based on the non-attainment area for groundwater contamination.

During a second meeting between ACDEH, Greyhound and the Regional Water Quality Control Board (RWQCB) in October 1995, a more streamlined groundwater monitoring program was developed. Based on anticipated changes to existing regulations, Greyhound agreed to continue with the monitoring and recovery program until a no-further-action scenario without deed stipulations is achievable.

The next quarterly status report will be prepared and submitted to ACDEH on or before February 15, 1997. In the interim, Greyhound requests a review of the Preliminary Risk Evaluation originally submitted in November 1993. The data gathered since the risk evaluation was submitted indicate it may now be possible to achieve a no-further-action decision without deed restriction.

- **Time schedules for the completion of the investigation of the site and remediation:**

Since no measurable product continues to be detected in the recovery wells, Greyhound requests that a no-further-action scenario be considered based on the risk assessment previously submitted to ACDEH and analytical results obtained from the monitoring program.

- **Tank owner commitment letter:**

The cover letter submitted with this report is intended to serve as the tank owner commitment letter.

TABLE 1  
 MONITORING WELL DATA SUMMARY  
 GREYHOUND TERMINAL, OAKLAND, CALIFORNIA  
 October 8, 1996

Location	Elevation of T.O.C <sup>1</sup> (Ft.)	Depth to Groundwater (Ft.)	Groundwater Elevation <sup>2</sup> (Ft.)	Product Layer Thickness (Ft.)
<u>ES-1</u> <sup>3</sup>	96.64	INACCESSIBLE		
<u>ES-2</u> <sup>3</sup>	96.44	18.61	77.83	0
ES-3	96.96	18.98	77.98	0
ES-4	95.70	17.97	77.73	0
<u>ES-5</u> <sup>3</sup>	95.85	INACCESSIBLE		
ES-6	97.84	21.23	76.61	0
ES-7	96.40	19.37	77.03	0
ES-8	96.64	18.44	78.20	0
ES-9	95.78	17.19	78.59	0
ES-10	95.24	16.70	78.54	0
ES-11	95.92	18.29	77.63	0
<u>BC-1</u> <sup>3,4</sup>	96.16	18.40	77.76	0
<u>BC-2</u> <sup>4</sup>	96.32	18.40	77.92	0
<u>BC-3</u> <sup>4</sup>	96.20	18.10	78.10	0

<sup>1</sup> Elevations of top of PVC casing measured with respect to on-site datum (97.50 feet, measured on steel grate for storm sewer near wash rack).

<sup>2</sup> Groundwater elevation (Elevation of T.O.C. - depth to groundwater).

<sup>3</sup> Recovery Wells.

<sup>4</sup> Approximate elevation - well casings not vertical.

BC = Wells constructed by Brown and Caldwell, Inc., during during earlier phases of investigation.

**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS**  
**GREYHOUND TERMINAL, OAKLAND, CALIFORNIA**  
**October 8, 1996**

Location	Date Collected	Parameter	Result	Detection Limit
ES-3	10/8/96	Benzene <sup>1</sup>	ND	0.5 ug/L
		Toluene <sup>1</sup>	ND	0.5 ug/L
		Ethylbenzene <sup>1</sup>	ND	0.5 ug/L
		Xylenes (total) <sup>1</sup>	ND	0.5 ug/L
		TPH-D <sup>2</sup>	ND	0.05 mg/L
		TPH-G <sup>3</sup>	ND	0.05 mg/L
ES-4	10/8/96	Benzene <sup>1</sup>	110	0.5 ug/L
		Toluene <sup>1</sup>	4.4	0.5 ug/L
		Ethylbenzene <sup>1</sup>	42	0.5 ug/L
		Xylenes (total) <sup>1</sup>	39	0.5 ug/L
		TPH-D <sup>2</sup>	ND	0.05 mg/L
		TPH-G <sup>3</sup>	0.86	0.05 mg/L
ES-6	10/8/96	Benzene <sup>1</sup>	ND	0.5 ug/L
		Toluene <sup>1</sup>	ND	0.5 ug/L
		Ethylbenzene <sup>1</sup>	ND	0.5 ug/L
		Xylenes (total) <sup>1</sup>	ND	0.5 ug/L
		TPH-D <sup>2</sup>	ND	0.05 mg/L
		TPH-G <sup>3</sup>	ND	0.05 mg/L

Notes:

<sup>1</sup> Analyzed by EPA Method 8020. Concentrations in ug/l.

<sup>2</sup> Analyzed by DHS/LUFT Method Modified EPA 8015 for Diesel.  
Concentrations in mg/l.

<sup>3</sup> Analyzed by DHS/LUFT Method Modified EPA 8015 for Gasoline.  
Concentrations in mg/l.

ND – Not detected above the practical quantitation limit.



TABLE 3

**SOIL ANALYTICAL DATA SUMMARY  
GREYHOUND TERMINAL, OAKLAND, CALIFORNIA**

Location Sample Depth	Date	Benzene ug/kg	Toluene ug/kg	Ethylbenzene ug/kg	Xylene ug/kg	Total BTEX <sup>1</sup> ug/kg	TPH-D <sup>2</sup> mg/kg	TPH-G <sup>3</sup> mg/kg
ES-1 (16-18)	11/91	ND	3,000	3,400	22,000	28,400	ND	NA
ES-2 (16-18)	11/91	ND	27,000	28,000	150,000	205,000	ND	NA
ES-3 (18-19)	11/91	ND	ND	ND	ND	ND	ND	NA
ES-4 (16-16.5)	11/91	ND	ND	ND	ND	ND	ND	NA
ES-5 (15-17)	11/91	ND	80	65	330	475	160	NA
ES-6 (15-16.5)	7/93	ND	ND	ND	ND	ND	ND	ND
ES-7 (20-21.5)	7/93	ND	ND	ND	ND	ND	ND	ND
ES-8 (20-21.5)	7/93	ND	ND	ND	ND	ND	ND	ND
ES-9 (15-16.5)	7/93	ND	ND	ND	ND	ND	ND	ND
ES-10 (20-21.5)	7/93	ND	ND	ND	ND	ND	ND	ND
ES-11 (20-21.5)	7/93	ND	ND	ND	ND	ND	ND	ND

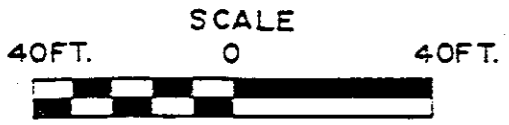
NA - Not analyzed.



ND - Non-detect; sample analyzed but did not exceed Method Detection Limit.

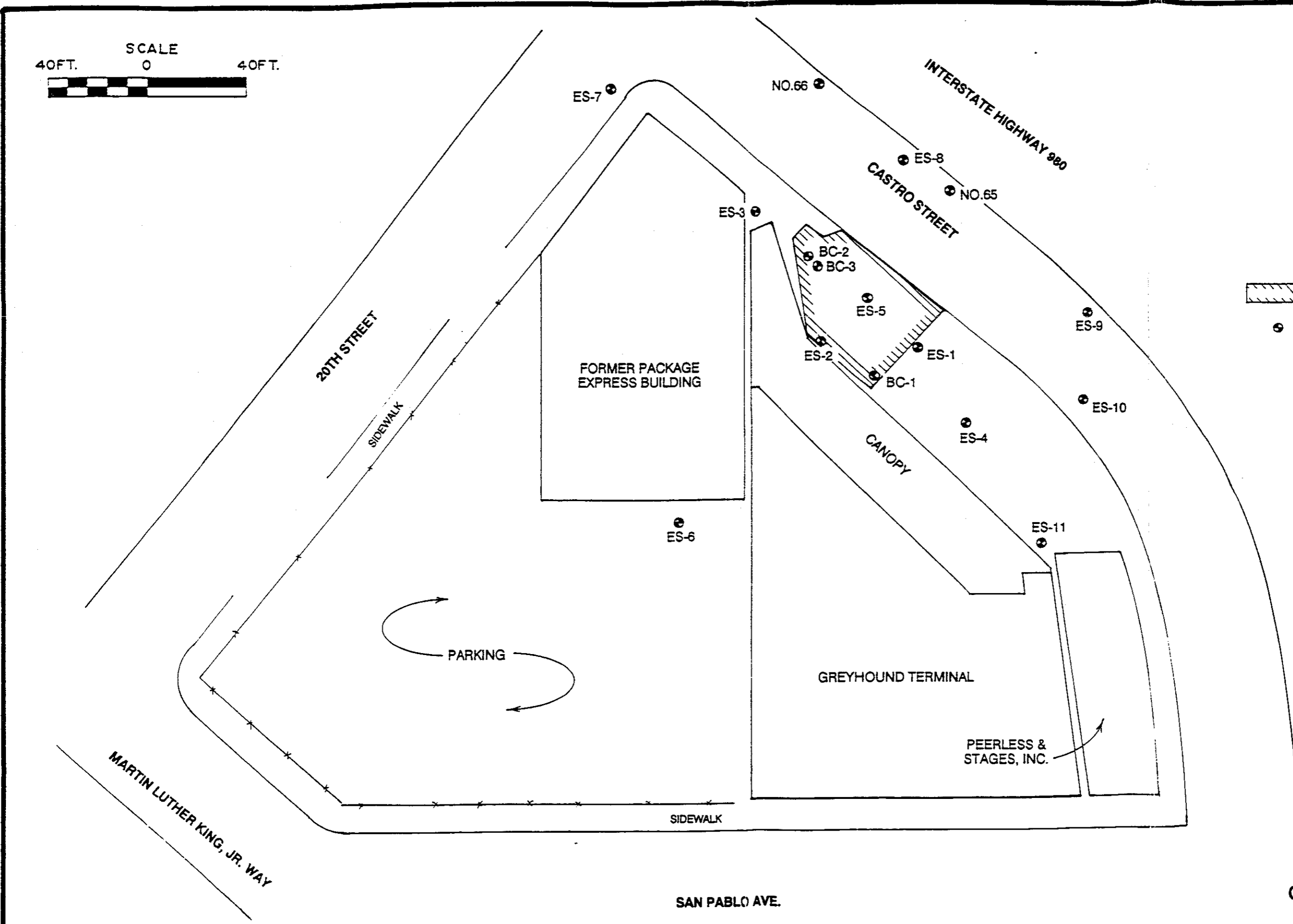
<sup>1</sup> Total BTEX = analyzed by EPA Method 8020. Results reported in ug/kg.  
Refer to analytical laboratory reports for method detection limits.

<sup>2</sup> TPH-D = Total Petroleum Hydrocarbons (TPH) for Diesel by EPA Method 3510/8015.  
Results reported in mg/kg. Refer to analytical laboratory reports for method detection limits.

<sup>3</sup> TPH-G = Total Petroleum Hydrocarbons (TPH) for Gasoline by EPA Method 3510/8015.  
Results reported in mg/kg. Refer to analytical laboratory reports for method detection limits.

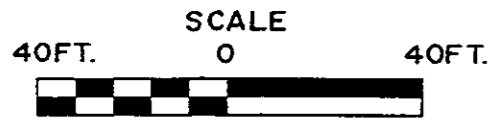
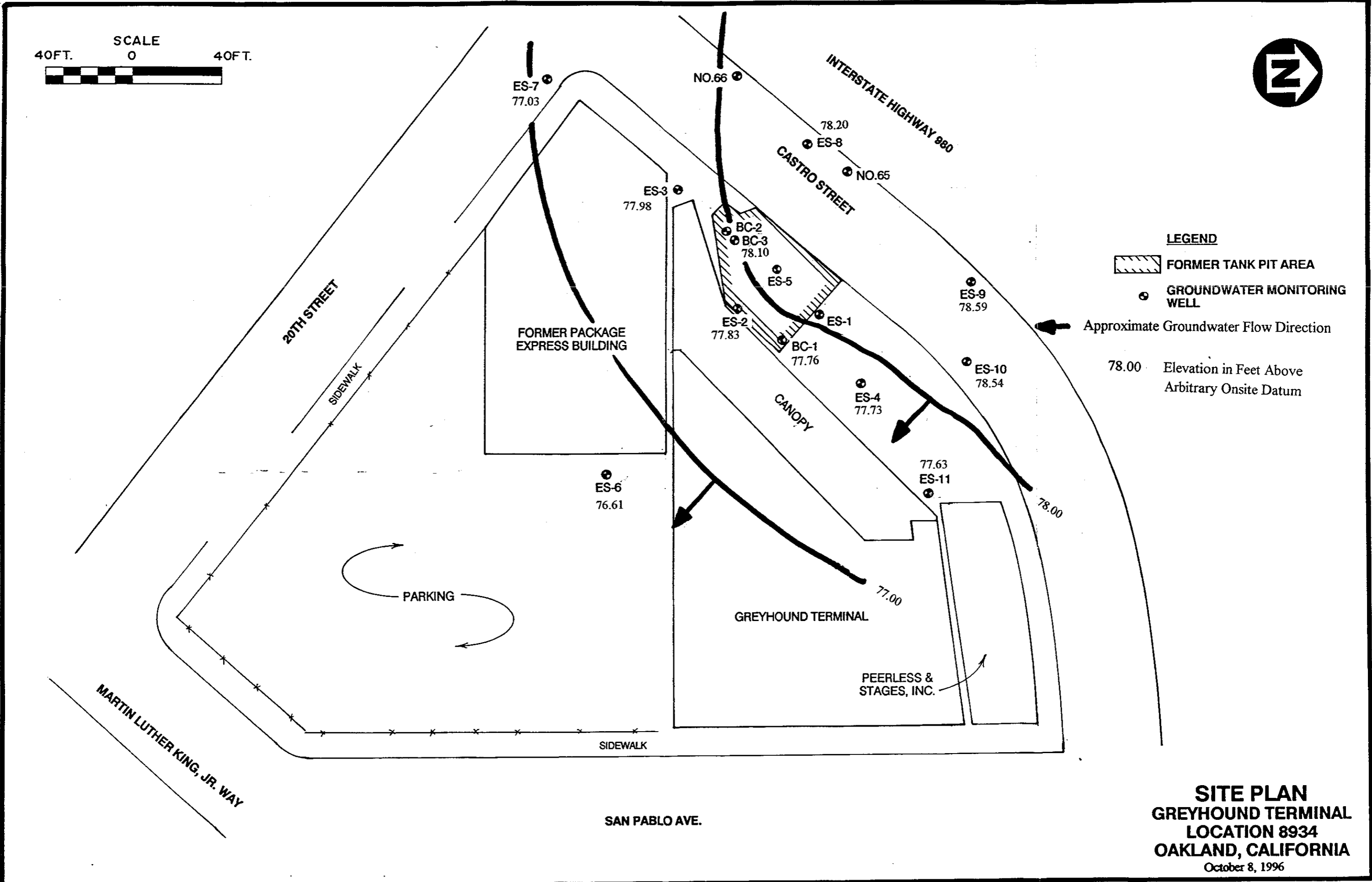


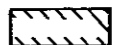


- LEGEND**
-  FORMER TANK PIT AREA
  -  GROUNDWATER MONITORING WELL



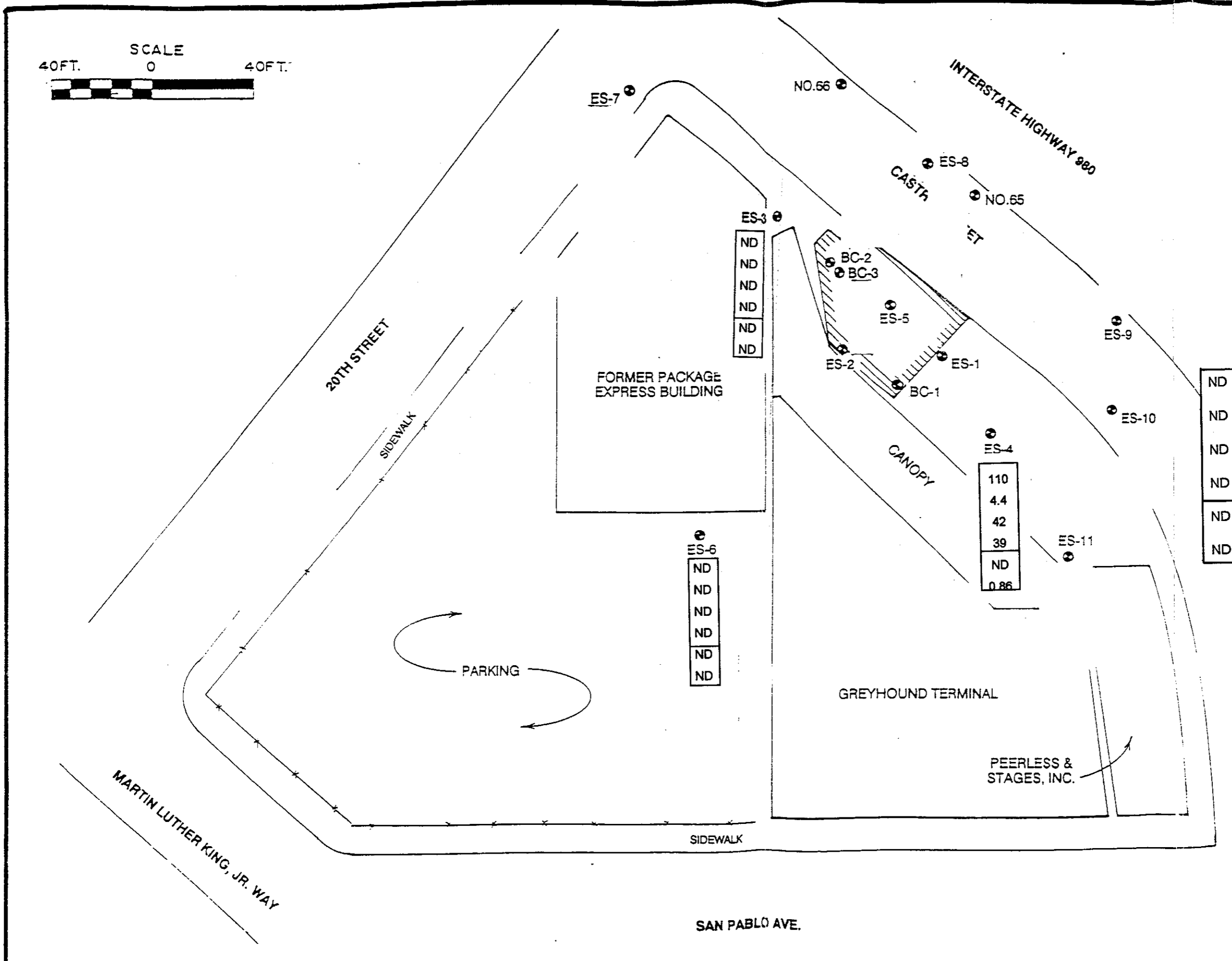
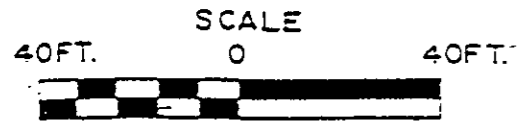
**SITE PLAN**  
**GREYHOUND TERMINAL**  
**LOCATION 8934**  
**OAKLAND, CALIFORNIA**

Figure 2.



- LEGEND**
-  FORMER TANK PIT AREA
  -  GROUNDWATER MONITORING WELL
  -  Approximate Groundwater Flow Direction
  - 78.00 Elevation in Feet Above Arbitrary Onsite Datum

**SITE PLAN**  
**GREYHOUND TERMINAL**  
**LOCATION 8934**  
**OAKLAND, CALIFORNIA**  
 October 8, 1996



**LEGEND**

- FORMER TANK PIT AREA
- GROUNDWATER MONITORING WELL

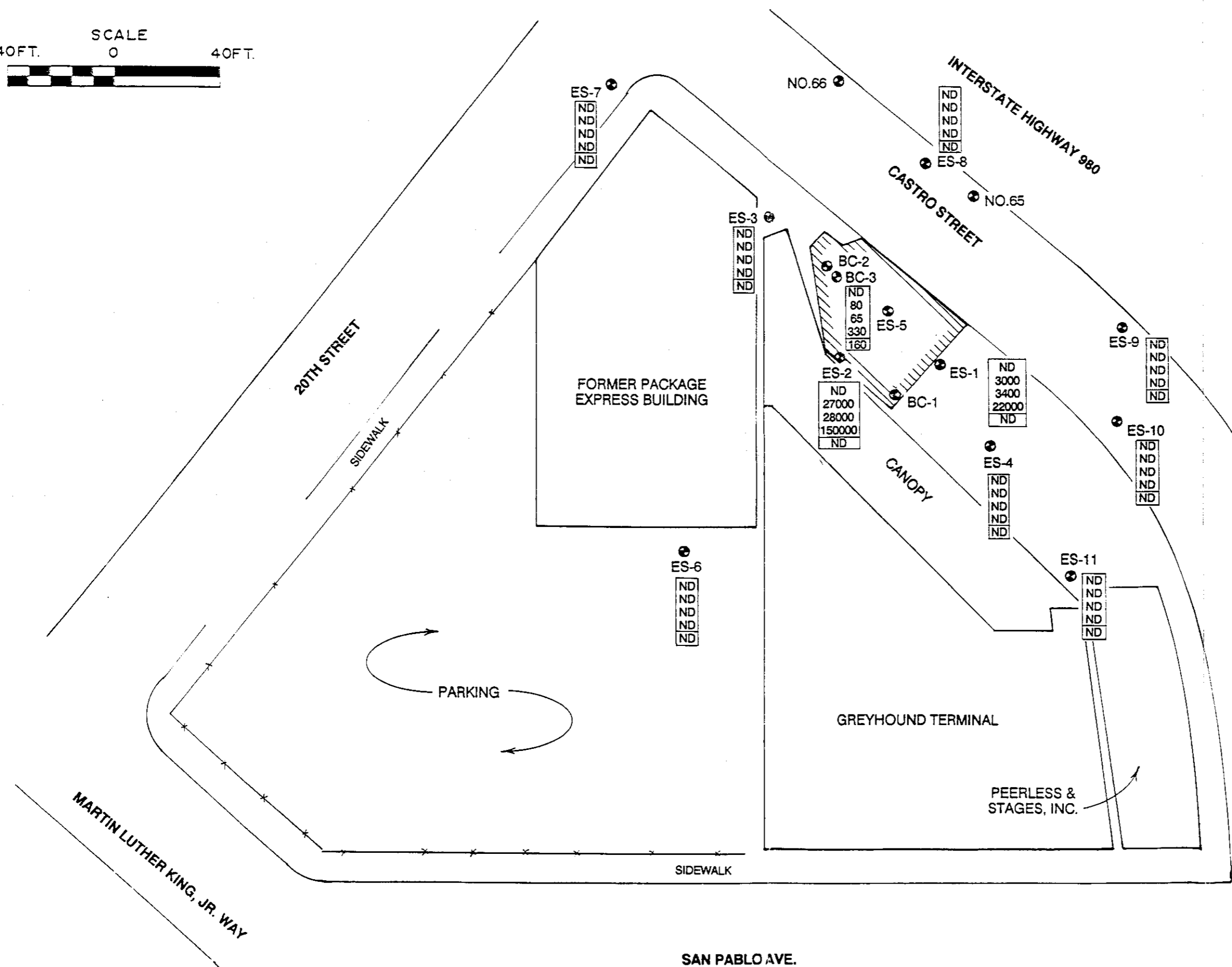
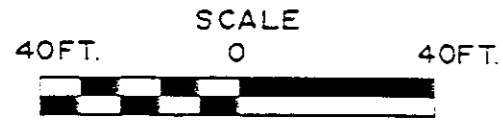
ND	BENZENE CONCENTRATION (ppb)
ND	TOLUENE CONCENTRATION (ppb)
ND	ETHYLBENZENE CONCENTRATION (ppb)
ND	XYLENE CONCENTRATION (ppb)
ND	TPH-D CONCENTRATION (ppm)
ND	TPH-G CONCENTRATION (ppm)

ES-4	110
	4.4
	42
	39
	ND
	0.86

ES-6	ND
	ND
	ND
	ND
	ND
	ND

ES-3	ND
	ND
	ND
	ND
	ND
	ND

GROUNDWATER ANALYTICAL  
DATA MAP  
**GREYHOUND TERMINAL**  
**LOCATION 8934**  
**OAKLAND, CALIFORNIA**  
October 8, 1996



**LEGEND**

- FORMER TANK PIT AREA
- GROUNDWATER MONITORING WELL
- ND BENZENE CONCENTRATION (ppb)
- ND TOLUENE CONCENTRATION (ppb)
- ND ETHYLBENZENE CONCENTRATION (ppb)
- ND XYLENES CONCENTRATION (ppb)
- ND TPH-D CONCENTRATION (ppb)

Samples ES-1 through ES-5 were collected in November 1991

Samples ES-6 through ES-11 were collected in July 1993

**SOIL ANALYTICAL DATA MAP  
GREYHOUND TERMINAL  
LOCATION 8934  
OAKLAND, CALIFORNIA**

**ATTACHMENT A**  
**ANALYTICAL DATA REPORTS**



FULLERTON LABORATORY  
1511 E. ORANGETHORPE AVE.  
FULLERTON, CA 92831  
PHONE. (714) 447-6868

*SPL, INC.*

*REPORT APPROVAL SHEET*

*WORK ORDER NUMBER: 96 - 10 - 110*

*Approved for release by:*

  
\_\_\_\_\_  
*Joel Grace, Laboratory Manager*

*Date:* 10/22/96

  
\_\_\_\_\_  
*Michael J. Crisostomo, Project Manager*

*Date:* 10-22-96



FULLERTON LABORATORY  
 1511 E. ORANGETHORPE AVE.  
 FULLERTON, CA 92831  
 PHONE: (714) 447-6868

Certificate of Analysis No. F1-9610110-02

Parsons Engineering Science  
 1301 Marina Village Pkwy, 200  
 Alameda, CA 94501  
 ATTN: Mr. Neal Siler

DATE: 10/22/96

PROJECT: Greyhound Lines  
 SITE: Oakland, CA  
 SAMPLED BY: Parson  
 SAMPLE ID: ES-3

PROJECT NO:  
 MATRIX: WATER  
 DATE SAMPLED: 10/08/96 14:10:00  
 DATE RECEIVED: 10/11/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Gasoline Range Organics	ND	50 P	ug/L
<b>Surrogate</b>			
4-Bromofluorobenzene	% Recovery		
1,4-Difluorobenzene	99		
	112		
Method Modified 8015A***			
Analyzed by: JA			
Date: 10/17/96			
BENZENE	ND	0.5 P	µg/L
TOLUENE	ND	0.5 P	µg/L
ETHYLBENZENE	ND	0.5 P	µg/L
TOTAL XYLENE	ND	0.5 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/L
<b>Surrogate</b>			
1,4-Difluorobenzene	% Recovery		
4-Bromofluorobenzene	99		
	93		
METHOD 8020A***			
Analyzed by: JA			
Date: 10/17/96			
Total Petroleum Hydrocarbons-Diesel	ND	0.05 P	mg/L
<b>Surrogate</b>			
Hexacosane	% Recovery		
	105		
M8015 - Diesel			
Analyzed by: RIC			
Date: 10/14/96 21:36:00			

ND - Not detected.

(P) - Practical Quantitation Limit

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

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for Quality Assurance.  
 SPL California License Number I-1078





FULLERTON LABORATORY  
 1511 E. ORANGETHORPE AVE.  
 FULLERTON, CA 92831  
 PHONE: (714) 447-6868

Certificate of Analysis No. F1-9610110-02

Parsons Engineering Science  
 1301 Marina Village Pkwy, 200  
 Alameda, CA 94501  
 ATTN: Mr. Neal Siler

DATE: 10/22/96

PROJECT: Greyhound Lines  
 SITE: Oakland, CA  
 SAMPLED BY: Parson  
 SAMPLE ID: ES-3

PROJECT NO:  
 MATRIX: WATER  
 DATE SAMPLED: 10/08/96 14:10:00  
 DATE RECEIVED: 10/11/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Liquid-liquid extraction METHOD 3510 *** Analyzed by: RTC Date: 10/14/96	10/14/96		

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

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for Quality Assurance.  
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**FULLERTON LABORATORY**  
 1511 E. ORANGETHORPE AVE.  
 FULLERTON, CA 92831  
 PHONE: (714) 447-6868

**Certificate of Analysis No. F1-9610110-03**

Parsons Engineering Science  
 1301 Marina Village Pkwy, 200  
 Alameda, CA 94501  
 ATTN: Mr. Neal Siler

DATE: 10/22/96

**PROJECT:** Greyhound Lines  
**SITE:** Oakland, CA  
**SAMPLED BY:** Parson  
**SAMPLE ID:** ES-4

**PROJECT NO:**  
**MATRIX:** WATER  
**DATE SAMPLED:** 10/08/96 15:40:00  
**DATE RECEIVED:** 10/11/96

**ANALYTICAL DATA**

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Gasoline Range Organics	860	50 P	ug/L
<b>Surrogate</b>			
4-Bromofluorobenzene	124		
1,4-Difluorobenzene	317 «		
Method Modified 8015A***			
Analyzed by: JA			
Date: 10/17/96			
BENZENE	110	0.5 P	µg/L
TOLUENE	4.4	0.5 P	µg/L
ETHYLBENZENE	42	0.5 P	µg/L
TOTAL XYLENE	39	0.5 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	195.4		µg/L
<b>Surrogate</b>			
1,4-Difluorobenzene	211 «		
4-Bromofluorobenzene	117		
METHOD 8020A***			
Analyzed by: JA			
Date: 10/17/96			
Total Petroleum Hydrocarbons-Diesel	ND	0.05 P	mg/L
<b>Surrogate</b>			
Hexacosane	102		
M8015 - Diesel			
Analyzed by: RIC			
Date: 10/14/96 22:15:00			

(P) - Practical Quantitation Limit      « - Recovery beyond control limits.  
 ND - Not detected.

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

**QUALITY ASSURANCE:** These analyses are performed in accordance with EPA guidelines for Quality Assurance.  
 SPL California License Number I-1078



**FULLERTON LABORATORY**  
 1511 E. ORANGETHORPE AVE.  
 FULLERTON, CA 92831  
 PHONE (714) 447-6868

**Certificate of Analysis No. F1-9610110-03**

Parsons Engineering Science  
 1301 Marina Village Pkwy, 200  
 Alameda, CA 94501  
 ATTN: Mr. Neal Siler

DATE: 10/22/96

**PROJECT:** Greyhound Lines  
**SITE:** Oakland, CA  
**SAMPLED BY:** Parson  
**SAMPLE ID:** ES-4

**PROJECT NO:**  
**MATRIX:** WATER  
**DATE SAMPLED:** 10/08/96 15:40:00  
**DATE RECEIVED:** 10/11/96

PARAMETER	ANALYTICAL DATA		DETECTION LIMIT	UNITS
	RESULTS			
Liquid-liquid extraction METHOD 3510 *** Analyzed by: RTC Date: 10/14/96	10/14/96			

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

**QUALITY ASSURANCE:** These analyses are performed in accordance with EPA guidelines for Quality Assurance.  
 SPL California License Number I-1078



**FULLERTON LABORATORY**  
 1511 E. ORANGETHORPE AVE.  
 FULLERTON, CA 92831  
 PHONE: (714) 447-6868

**Certificate of Analysis No. F1-9610110-01**

Parsons Engineering Science  
 1301 Marina Village Pkwy, 200  
 Alameda, CA 94501  
 ATTN: Mr. Neal Siler

DATE: 10/22/96

**PROJECT:** Greyhound Lines  
**SITE:** Oakland, CA  
**SAMPLED BY:** Parson  
**SAMPLE ID:** ES-6

**PROJECT NO:**  
**MATRIX:** WATER  
**DATE SAMPLED:** 10/08/96 11:45:00  
**DATE RECEIVED:** 10/11/96

**ANALYTICAL DATA**

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Gasoline Range Organics	ND	50 P	ug/L
<b>Surrogate</b>	<b>% Recovery</b>		
4-Bromofluorobenzene	99		
1,4-Difluorobenzene	108		
Method Modified 8015A*** Analyzed by: JA Date: 10/17/96			
BENZENE	ND	0.5 P	µg/L
TOLUENE	ND	0.5 P	µg/L
ETHYLBENZENE	ND	0.5 P	µg/L
TOTAL XYLENE	ND	0.5 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/L
<b>Surrogate</b>	<b>% Recovery</b>		
1,4-Difluorobenzene	97		
4-Bromofluorobenzene	91		
METHOD 8020A*** Analyzed by: JA Date: 10/17/96			
Total Petroleum Hydrocarbons-Diesel	ND	0.05 P	mg/L
<b>Surrogate</b>	<b>% Recovery</b>		
Hexacosane	102		
M8015 - Diesel Analyzed by: RIC Date: 10/14/96 20:58:00			

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

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

**QUALITY ASSURANCE:** These analyses are performed in accordance with EPA guidelines for Quality Assurance.  
 SPL California License Number I-1078



**FULLERTON LABORATORY**  
 1511 E. ORANGETHORPE AVE.  
 FULLERTON, CA 92831  
 PHONE: (714) 447-6868

**Certificate of Analysis No. F1-9610110-01**

Parsons Engineering Science  
 1301 Marina Village Pkwy, 200  
 Alameda, CA 94501  
 ATTN: Mr. Neal Siler

DATE: 10/22/96

**PROJECT:** Greyhound Lines  
**SITE:** Oakland, CA  
**SAMPLED BY:** Parson  
**SAMPLE ID:** ES-6

**PROJECT NO:**  
**MATRIX:** WATER  
**DATE SAMPLED:** 10/08/96 11:45:00  
**DATE RECEIVED:** 10/11/96

ANALYTICAL DATA				
PARAMETER	RESULTS	DETECTION LIMIT	UNITS	
Liquid-liquid extraction METHOD 3510 *** Analyzed by: RTC Date: 10/14/96	10/14/96			

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

**QUALITY ASSURANCE:** These analyses are performed in accordance with EPA guidelines for Quality Assurance.  
 SPL California License Number I-1078

*QUALITY CONTROL*

*DOCUMENTATION*



\*\* SPL BATCH QUALITY CONTROL REPORT \*\*  
METHOD 8020\*\*\*

**FULLERTON LABORATORY**  
1511 E. ORANGETHORPE AVE.  
FULLERTON, CA 92831  
PHONE (714) 447-6868

Matrix: Water  
Units: ug/L

Batch Id: GC\_3961016234900

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery %	
MTBE	ND	200	240	120	80 - 120
Benzene	ND	50	52	104	80 - 120
Toluene	ND	50	52	104	80 - 120
EthylBenzene	ND	50	51	102	80 - 120
O Xylene	ND	50	52	104	80 - 120
M & P Xylene	ND	100	97	97.0	80 - 120

MATRIX SPIKES

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
BENZENE	ND	20.0	16.7	83.5	17.9	89.5	6.94	20	75 - 125
TOLUENE	ND	20.0	16.6	83.0	17.9	89.5	7.54	25	75 - 130
O XYLENE	ND	20.0	16.5	82.5	18.1	90.5	9.25	25	75 - 130

Analyst: JA

Sequence Date: 10/17/96

SPL ID of sample spiked: 9610110-01A

Sample File ID: GC3B272.TX0

Method Blank File ID:

Blank Spike File ID: GC3B262.TX0

Matrix Spike File ID: GC3B275.TX0

Matrix Spike Duplicate File ID: GC3B276.TX0

\* = Values Outside QC Range

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

ND = Not Detected/Below Detection Limit

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

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

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

(\*\*) = Source:

(\*\*\*) = Source:

SAMPLES IN BATCH(SPL ID):

9610110-01A 9610110-02A 9610110-03A



\*\* SPL BATCH QUALITY CONTROL REPORT \*\*  
Method Modified 8015A\*\*\*

**FULLERTON LABORATORY**  
1511 E. ORANGETHORPE AVE.  
FULLERTON, CA 92831  
PHONE: (714) 447-8868

Matrix: Water  
Units: mg/L

Batch Id: GC\_3961016234901

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery %	
Gasoline Range Organics	ND	1000	945	94.5	70 - 125

MATRIX SPIKES

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
			GASOLINE RANGE ORGANICS	ND	1000	1160			

Analyst: JA

Sequence Date: 10/17/96

SPL ID of sample spiked: 9610110-01A

Sample File ID: GC3A272.TX0

Method Blank File ID:

Blank Spike File ID: GC3A264.TX0

Matrix Spike File ID: GC3A277.TX0

Matrix Spike Duplicate File ID: GC3A278.TX0

\* = Values Outside QC Range

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

ND = Not Detected/Below Detection Limit

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

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

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

(\*\*) = Source: SPL Historical Data

(\*\*\*) = Source: SPL Historical Data

SAMPLES IN BATCH(SPL ID):            9610110-01A   9610110-02A   9610110-03A





\*\* SPL BATCH QUALITY CONTROL REPORT \*\*  
M8015 - Diesel

FULLERTON LABORATORY  
1511 E. ORANGETHORPE AVE.  
FULLERTON, CA 92831  
PHONE: (714) 447-8868

Matrix: Water  
Units: mg/L

Batch Id: GC\_6961014174600

LABORATORY CONTROL SAMPLE

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike		QC Limits(**) (Mandatory) % Recovery Range
			Result <1>	Recovery %	
Petroleum Hydrocarbons-Die	ND	2.0	1.8	90.0	70 - 140

MATRIX SPIKES

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike		Matrix Spike Duplicate		MS/MSD Relative % Difference	QC Limits(***) (Advisory)	
			Result <1>	Recovery <4>	Result <1>	Recovery <5>		RPD Max.	Recovery Range
			PETROLEUM HYDROCARBONS-DIE	ND	2.0	2.0		100	1.8

Analyst: RIC

Sequence Date: 10/14/96

SPL ID of sample spiked: 9610106-10C

Sample File ID: GC6B624.TX0

Method Blank File ID:

Blank Spike File ID: GC6B812.TX0

Matrix Spike File ID: GC6B625.TX0

Matrix Spike Duplicate File ID: GC6B626.TX0

\* = Values Outside QC Range

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

ND = Not Detected/Below Detection Limit

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

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

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

(\*\*) = Source:

(\*\*\*) = Source:

SAMPLES IN BATCH(SPL ID):

9610110-01B 9610109-09B 9610109-10B 9610109-11B  
 9610106-06C 9610106-07C 9610106-08C 9610106-10C  
 9610110-02B 9610109-01B 9610109-02B 9610110-03B  
 9610109-03B 9610109-04B 9610109-05B 9610109-06B  
 9610109-07B 9610109-08B

***CHAIN OF CUSTODY***  
***AND***  
***SAMPLE RECEIPT CHECKLIST***



SPL, Inc.

SPL Workorder No:

9610110

C- 02330

page 1 of 1

Analysis Request & Chain of Custody Record

Client Name: Greyhound  
 Address/Phone: Parsons ES (510) 769-0100  
 Client Contact: Alan Peel  
 Project Name:  
 Project Number:  
 Project Location: Greyhound Oakland  
 Invoice To: Greyhound (GLI) (Houston)

SAMPLE ID	DATE	TIME	comp	grab	matrix W=water SL=sludge O=other:	bottle P=plastic G=glass A=amber glass V=vial	size 1=1 liter 4=4oz 8=8oz 16=16oz	pres. 1=HCl 2=HNO3 3=H2SO4 O=other:	Number of Containers	Requested Analysis					
										TPM diesel	TPM gasoline	BTEX	cooler #2	(w/ San Francisco)	5 site samples
<del>MW-6 ES-6</del>	<del>10/8/96</del>	<del>1145</del>			<del>W</del>	<del>A, V</del>	<del>1, 40</del>	<del>1, 1</del>	<del>4</del>	<del>XX</del>	<del>X</del>	<del>XX</del>	<del>XX</del>		
<del>MW-3 ES-3</del>	<del>↓</del>	<del>1410</del>			<del>↓</del>	<del>↓</del>	<del>↓</del>	<del>↓</del>	<del>↓</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>XX</del>		
<del>MW-4 ES-4</del>	<del>↓</del>	<del>1540</del>			<del>↓</del>	<del>↓</del>	<del>↓</del>	<del>↓</del>	<del>↓</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>XX</del>		

Client/Consultant Remarks: \_\_\_\_\_ Laboratory remarks: \_\_\_\_\_ Intact?  Y  N  
 Temp: \_\_\_\_\_

Requested TAT: 24hr  72hr  48hr  Standard  Other

Special Reporting Requirements: Standard QC  Fax Results  Level 3 QC  Raw Data  Level 4 QC  Special Detection Limits (specify): \_\_\_\_\_ PM review (initial): \_\_\_\_\_

1. Relinquished by Sampler: [Signature] date 10/10/96 time \_\_\_\_\_ 2. Received by: (FedEx)

3. Relinquished by: \_\_\_\_\_ date \_\_\_\_\_ time \_\_\_\_\_ 4. Received by: \_\_\_\_\_

5. Relinquished by: \_\_\_\_\_ date 10/11/96 time 11:20 6. Received by Laboratory: [Signature]

- 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901
- 459 Hughes Drive, Traverse City, MI 49684 (616) 947-5777
- 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775
- 1511 E. Orangethorpe Avenue, Fullerton, CA 92631 (714) 447-6868

**SPL FULLERTON ENVIRONMENTAL LABORATORY  
SAMPLE LOGIN CHECKLIST**

WORKORDER #: 92610110

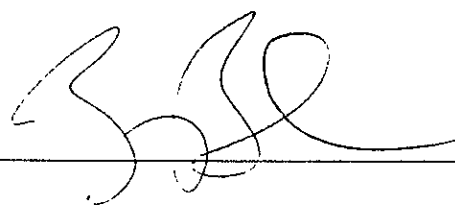
DATE: 10/11/96 TIME: 1120

	YES	NO
1. CHAIN OF CUSTODY FORM PRESENT:	X	
2. CHAIN OF CUSTODY PROPERLY COMPLETED:	X	
3. CUSTODY SEALS ON SHIPPING CONTAINER:		X
4. IF YES, ARE SEALS INTACT:		X
5. ALL SAMPLES LABELED / TAGGED CORRECTLY:	X	
6. SAMPLES ARRIVED INTACT:	X	
7. SAMPLES ARE PROPERLY CHILLED (2-6 °):	X	

TEMPERATURE OF SAMPLES UPON ARRIVAL: 4.2 °C

METHOD OF SAMPLE DELIVERY:  SPL DELIVERY;  
 CLIENT DELIVERY;  
 FED-EX DELIVERY: 2689701416  
 UPS-DELIVERY;  
 DHL DELIVERY;  
 4-SPEED;

ALL SAMPLES WILL BE DISPOSED 30 DAYS AFTER REPORT IS ISSUED UNLESS OTHERWISE SPECIFIED BY CLIENT.

NAME:  DATE: 10/11/96

**ATTACHMENT B**  
**PRIOR MONITORING WELL DATA**

FACILITY NO.: 8934  
 FACILITY NAME: OAKLAND  
 STATE: CA  
 FACILITY TYPE: TERMINAL

Well ID	Date	DEPTH TO LIQUID (ft)	DEPTH TO WATER (ft)	PRODUCT THICKNESS (ft)
BC-001	7/07/92	19.55	20.66	1.11
BC-001	8/04/92	18.47	20.90	2.43
BC-001	8/31/92	18.68	21.02	2.34
BC-001	10/06/92	18.82	21.14	2.32
BC-001	11/06/92	18.24	20.69	2.45
BC-001	1/07/93	19.60	21.76	2.16
BC-001	4/06/93	18.26	18.26	0.00
BC-001	7/03/93	19.05	19.15	.10
BC-001	8/04/93	19.30	19.40	.10
BC-001	9/01/93	19.23	19.32	.09
BC-001	10/07/93	19.25	19.43	.18
BC-001	11/02/93	19.42	19.61	.19
BC-001	12/06/93	19.31	19.53	.22
BC-001	1/05/94	19.25	19.42	.17
BC-001	2/02/94	19.30	19.50	.20
BC-001	3/02/94	18.40	18.60	.20
BC-001	4/07/94	18.10	18.20	.10
BC-001	5/05/94	18.65	18.84	.19
BC-001	6/07/94	18.25	18.52	.27
BC-001	7/13/94	18.70	18.70	0.00
BC-001	8/03/94	18.40	18.40	0.00
BC-001	9/14/94	18.72	18.73	.01
BC-001	10/06/94	18.58	18.58	0.00
BC-001	11/02/94	18.81	18.82	.01
BC-001	12/07/94	17.93	17.94	.01
BC-001	1/13/95	18.58	18.58	0.00
BC-001	2/14/95	16.76	16.80	.04
BC-001	3/07/95	17.08	17.08	0.00
BC-001	4/11/95	16.55	16.55	0.00
BC-001	5/09/95	16.99	17.00	.01
BC-001	6/09/95	17.38	17.39	.01
BC-001	7/06/95	17.64	17.64	0.00
BC-001	8/10/95	17.89	17.89	0.00
BC-001	9/07/95	17.96	17.96	0.00
BC-001	10/03/95	18.23	18.23	0.00
BC-001	10/05/95	18.23	18.23	0.00
BC-001	11/02/95	18.02	18.02	0.00
BC-001	12/07/95	18.64	18.64	0.00
BC-001	1/03/96	18.36	18.36	0.00
BC-001	2/06/96	17.43	17.43	0.00
BC-001	3/12/96	16.85	16.85	0.00
BC-001	5/07/96	17.45	17.45	0.00
BC-001	6/05/96	17.46	17.46	0.00
BC-001	9/05/96	18.16	18.16	0.00
BC-001	10/08/96	18.40	18.40	0.00
BC-002	7/07/92	16.89	16.89	0.00
BC-002	8/04/92	18.46	18.46	0.00
BC-002	8/31/92	18.89	18.89	0.00

FACILITY NO.: 8934  
 FACILITY NAME: OAKLAND  
 STATE: CA  
 FACILITY TYPE: TERMINAL

Well ID	Date	DEPTH TO LIQUID (ft)	DEPTH TO WATER (ft)	PRODUCT THICKNESS (ft)
-----	-----	-----	-----	-----
BC-002	10/06/92	18.50	18.50	0.00
BC-002	11/06/92	15.98	15.98	0.00
BC-002	1/07/93	13.50	13.50	0.00
BC-002	4/06/93	15.20	15.20	0.00
BC-002	7/03/93	17.75	17.75	0.00
BC-002	8/04/93	18.10	18.10	0.00
BC-002	9/01/93	18.48	18.48	0.00
BC-002	10/07/93	19.02	19.02	0.00
BC-002	11/02/93	18.76	18.76	0.00
BC-002	12/06/93	18.87	18.87	0.00
BC-002	1/05/94	16.76	16.76	0.00
BC-002	2/02/94	16.42	16.42	0.00
BC-002	5/05/94	17.30	17.30	0.00
BC-002	6/07/94	17.70	17.70	0.00
BC-002	7/13/94	17.10	17.10	0.00
BC-002	8/03/94	18.36	18.36	0.00
BC-002	9/14/94	17.04	17.04	0.00
BC-002	1/13/95	12.80	12.80	0.00
BC-002	2/14/95	15.11	15.11	0.00
BC-002	3/07/95	16.21	16.21	0.00
BC-002	4/11/95	15.56	15.56	0.00
BC-002	5/09/95	15.81	15.81	0.00
BC-002	6/09/95	16.88	16.88	0.00
BC-002	7/06/95	16.88	16.88	0.00
BC-002	8/10/95	17.55	17.55	0.00
BC-002	9/07/95	18.03	18.03	0.00
BC-002	10/03/95	18.24	18.24	0.00
BC-002	10/05/95	18.24	18.24	0.00
BC-002	11/02/95	18.36	18.36	0.00
BC-002	1/03/96	17.86	17.86	0.00
BC-002	2/06/96	16.31	16.31	0.00
BC-002	3/12/96	16.50	16.50	0.00
BC-002	4/09/96	16.90	16.90	0.00
BC-002	5/07/96	17.20	17.20	0.00
BC-002	6/05/96	17.10	17.10	0.00
BC-002	7/09/96	17.70	17.70	0.00
BC-002	10/08/96	18.40	18.40	0.00
BC-003	7/07/92	16.68	16.68	0.00
BC-003	8/04/92	19.24	19.24	0.00
BC-003	8/31/92	19.10	19.10	0.00
BC-003	10/06/92	18.93	18.93	0.00
BC-003	11/06/92	16.81	16.81	0.00
BC-003	1/07/93	16.55	16.55	0.00
BC-003	4/06/93	15.44	15.44	0.00
BC-003	7/03/93	16.81	16.81	0.00
BC-003	8/04/93	18.82	18.82	0.00
BC-003	9/01/93	18.40	18.40	0.00
BC-003	10/07/93	18.58	18.58	0.00
BC-003	11/02/93	18.53	18.53	0.00

FACILITY NO.: 8934  
 FACILITY NAME: OAKLAND  
 STATE: CA  
 FACILITY TYPE: TERMINAL

Well ID	Date	DEPTH TO LIQUID (ft)	DEPTH TO WATER (ft)	PRODUCT THICKNESS (ft)
BC-003	12/06/93	18.67	18.67	0.00
BC-003	1/05/94	17.51	17.51	0.00
BC-003	2/02/94	16.40	16.40	0.00
BC-003	3/02/94	15.00	15.00	0.00
BC-003	4/07/94	17.70	17.70	0.00
BC-003	5/05/94	17.90	17.90	0.00
BC-003	6/07/94	17.34	17.34	0.00
BC-003	7/13/94	18.10	18.10	0.00
BC-003	8/03/94	18.36	18.36	0.00
BC-003	9/14/94	18.31	18.31	0.00
BC-003	10/06/94	18.58	18.58	0.00
BC-003	11/02/94	18.61	18.61	0.00
BC-003	12/07/94	16.29	16.29	0.00
BC-003	1/13/95	15.40	15.40	0.00
BC-003	2/14/95	15.86	15.86	0.00
BC-003	3/07/95	16.21	16.21	0.00
BC-003	4/11/95	15.08	15.08	0.00
BC-003	5/09/95	16.92	16.92	0.00
BC-003	6/09/95	16.90	16.90	0.00
BC-003	7/06/95	16.87	16.87	0.00
BC-003	8/10/95	17.54	17.54	0.00
BC-003	9/07/95	17.80	17.80	0.00
BC-003	10/03/95	17.95	17.95	0.00
BC-003	10/05/95	17.95	17.95	0.00
BC-003	11/02/95	18.33	18.33	0.00
BC-003	1/03/96	17.55	17.55	0.00
BC-003	2/06/96	17.15	17.15	0.00
BC-003	3/12/96	16.50	16.50	0.00
BC-003	4/09/96	16.60	16.60	0.00
BC-003	5/07/96	16.90	16.90	0.00
BC-003	6/05/96	17.00	17.00	0.00
BC-003	7/09/96	17.40	17.40	0.00
BC-003	10/08/96	18.10	18.10	0.00
ES-001	6/16/92	20.18	23.78	3.60
ES-001	7/07/92	18.60	18.60	0.00
ES-001	8/04/92	18.80	18.81	.01
ES-001	8/31/92	18.96	18.97	.01
ES-001	10/06/92	19.08	19.10	.02
ES-001	11/06/92	18.52	18.53	.01
ES-001	1/07/93	20.25	20.26	.01
ES-001	4/06/93	17.08	17.88	.80
ES-001	7/03/93	18.68	18.68	0.00
ES-001	8/04/93	18.85	18.85	0.00
ES-001	9/01/93	18.90	18.90	0.00
ES-001	10/07/93	19.02	19.03	.01
ES-001	11/02/93	19.20	19.20	0.00
ES-001	12/06/93	19.15	19.15	0.00
ES-001	1/05/94	18.96	18.96	0.00
ES-001	2/02/94	18.92	18.92	0.00



FACILITY NO.: 8934  
 FACILITY NAME: OAKLAND  
 STATE: CA  
 FACILITY TYPE: TERMINAL

Well ID	Date	DEPTH TO LIQUID (ft)	DEPTH TO WATER (ft)	PRODUCT THICKNESS (ft)
ES-001	3/02/94	17.91	18.08	.17
ES-001	4/07/94	18.50	18.68	.18
ES-001	5/05/94	17.88	18.02	.14
ES-001	6/07/94	18.04	18.21	.17
ES-001	7/13/94	18.08	18.08	0.00
ES-001	8/03/94	18.48	18.48	0.00
ES-001	9/14/94	18.62	18.64	.02
ES-001	10/06/94	18.39	18.43	.04
ES-001	11/02/94	18.39	18.39	0.00
ES-001	12/07/94	17.70	17.70	0.00
ES-001	1/13/95	18.39	18.43	.04
ES-001	2/14/95	16.44	16.45	.01
ES-001	3/07/95	16.74	16.74	0.00
ES-001	4/11/95	16.25	16.25	0.00
ES-001	5/09/95	16.66	16.66	0.00
ES-001	6/09/95	17.15	17.16	.01
ES-001	7/06/95	17.28	17.28	0.00
ES-001	8/10/95	17.60	17.61	.01
ES-001	9/07/95	17.79	17.79	0.00
ES-001	10/03/95	18.01	18.01	0.00
ES-001	10/05/95	18.01	18.01	0.00
ES-001	11/02/95	18.00	18.00	0.00
ES-001	12/07/95	18.39	18.40	.01
ES-001	1/03/96	18.04	18.04	0.00
ES-001	2/06/96	17.00	17.00	0.00
ES-001	3/12/96	16.51	16.51	0.00
ES-001	4/09/96	17.40	17.40	0.00
ES-002	6/16/92	18.63	18.64	.01
ES-002	7/07/92	19.62	19.62	0.00
ES-002	8/04/92	19.17	19.76	.59
ES-002	8/31/92	19.29	19.90	.61
ES-002	10/06/92	19.41	20.00	.59
ES-002	11/06/92	18.84	19.44	.60
ES-002	1/07/93	20.05	20.40	.35
ES-002	4/06/93	18.20	18.31	.11
ES-002	7/03/93	19.31	19.32	.01
ES-002	8/04/93	19.15	19.18	.03
ES-002	9/01/93	19.50	19.59	.09
ES-002	10/07/93	19.57	19.60	.03
ES-002	11/02/93	19.60	19.61	.01
ES-002	12/06/93	19.71	19.74	.03
ES-002	1/05/94	19.57	19.61	.04
ES-002	2/02/94	19.20	19.25	.05
ES-002	3/02/94	19.00	19.50	.50
ES-002	4/07/94	19.10	19.19	.09
ES-002	5/05/94	18.77	18.79	.02
ES-002	6/07/94	18.61	18.61	0.00
ES-002	7/13/94	18.78	18.78	0.00
ES-002	8/03/94	18.72	18.72	0.00

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Well ID	Date	DEPTH TO LIQUID (ft)	DEPTH TO WATER (ft)	PRODUCT THICKNESS (ft)
ES-002	9/14/94	19.10	19.14	.04
ES-002	10/06/94	18.86	18.86	0.00
ES-002	11/02/94	18.97	19.91	.94
ES-002	12/07/94	18.14	18.14	0.00
ES-002	1/13/95	18.86	18.86	0.00
ES-002	2/14/95	16.92	16.92	0.00
ES-002	3/07/95	17.25	17.25	0.00
ES-002	4/11/95	16.71	16.71	0.00
ES-002	5/09/95	17.15	17.15	0.00
ES-002	6/09/95	17.60	17.61	.01
ES-002	7/06/95	17.78	17.79	.01
ES-002	8/10/95	18.09	18.10	.01
ES-002	9/07/95	18.29	18.29	0.00
ES-002	10/03/95	18.48	18.45	-.03
ES-002	10/05/95	18.45	18.48	.03
ES-002	11/02/95	18.62	18.65	.03
ES-002	12/07/95	18.85	18.90	.05
ES-002	1/03/96	18.55	18.54	-.01
ES-002	2/06/96	17.60	17.60	0.00
ES-002	3/12/96	17.08	17.08	0.00
ES-002	4/09/96	17.18	17.18	0.00
ES-002	5/07/96	17.66	17.66	0.00
ES-002	6/05/96	17.66	17.66	0.00
ES-002	7/09/96	18.02	18.02	0.00
ES-002	9/05/96	18.39	18.39	0.00
ES-003	6/16/92	19.41	19.41	0.00
ES-003	7/07/92	19.52	19.52	0.00
ES-003	8/04/92	19.68	19.68	0.00
ES-003	8/31/92	19.80	19.80	0.00
ES-003	10/06/92	19.96	19.96	0.00
ES-003	11/06/92	18.84	19.84	1.00
ES-003	1/07/93	19.20	19.20	0.00
ES-003	4/06/93	15.92	15.92	0.00
ES-003	7/03/93	18.12	18.12	0.00
ES-003	8/04/93	19.18	19.18	0.00
ES-003	9/01/93	19.36	19.36	0.00
ES-003	10/07/93	19.62	19.62	0.00
ES-003	11/02/93	19.70	19.70	0.00
ES-003	12/06/93	19.68	19.68	0.00
ES-003	1/05/94	19.52	19.52	0.00
ES-003	2/02/94	19.30	19.30	0.00
ES-003	3/02/94	18.68	18.68	0.00
ES-003	4/07/94	19.00	19.00	0.00
ES-003	5/05/94	18.78	18.78	0.00
ES-003	6/07/94	18.90	18.90	0.00
ES-003	7/13/94	18.71	18.71	0.00
ES-003	8/03/94	19.03	19.03	0.00
ES-003	9/14/94	19.84	19.84	0.00
ES-003	10/06/94	19.24	19.24	0.00

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Well ID	Date	DEPTH TO LIQUID (ft)	DEPTH TO WATER (ft)	PRODUCT THICKNESS (ft)
ES-003	11/02/94	19.37	19.37	0.00
ES-003	12/07/94	18.44	18.44	0.00
ES-003	1/13/95	17.35	17.35	0.00
ES-003	2/14/95	17.22	17.22	0.00
ES-003	3/07/95	17.52	17.52	0.00
ES-003	4/11/95	16.95	16.95	0.00
ES-003	5/09/95	17.34	17.39	.05
ES-003	6/09/95	17.87	17.87	0.00
ES-003	7/06/95	18.07	18.07	0.00
ES-003	8/10/95	18.40	18.40	0.00
ES-003	9/07/95	18.59	18.59	0.00
ES-003	10/03/95	18.76	18.76	0.00
ES-003	10/05/95	18.76	18.76	0.00
ES-003	11/02/95	18.96	18.96	0.00
ES-003	12/07/95	19.19	19.19	0.00
ES-003	1/03/96	17.55	17.55	0.00
ES-003	2/06/96	17.86	17.86	0.00
ES-003	3/12/96	17.35	17.35	0.00
ES-003	4/09/96	17.65	17.65	0.00
ES-003	5/07/96	17.94	17.94	0.00
ES-003	6/05/96	17.94	17.94	0.00
ES-003	7/09/96	18.33	18.33	0.00
ES-003	9/05/96	18.63	15.63	-3.00 ?
ES-004	6/16/92	18.63	18.98	.35
ES-004	7/07/92	18.51	18.51	0.00
ES-004	8/04/92	18.66	18.66	0.00
ES-004	8/31/92	18.79	18.79	0.00
ES-004	10/06/92	18.92	18.92	0.00
ES-004	11/06/92	18.94	18.94	0.00
ES-004	1/07/93	18.76	18.76	0.00
ES-004	4/06/93	17.26	17.26	0.00
ES-004	7/03/93	18.08	18.08	0.00
ES-004	8/04/93	18.16	18.16	0.00
ES-004	9/01/93	18.46	18.46	0.00
ES-004	10/07/93	18.62	18.62	0.00
ES-004	11/02/93	18.74	18.74	0.00
ES-004	12/06/93	18.72	18.72	0.00
ES-004	1/05/94	18.55	18.55	0.00
ES-004	2/02/94	18.42	18.42	0.00
ES-004	3/02/94	17.86	17.86	0.00
ES-004	4/07/94	18.80	18.80	0.00
ES-004	5/05/94	17.86	17.86	0.00
ES-004	6/07/94	17.94	17.94	0.00
ES-004	7/13/94	18.13	18.13	0.00
ES-004	8/03/94	17.94	17.94	0.00
ES-004	9/14/94	18.18	18.18	0.00
ES-004	10/06/94	18.25	18.25	0.00
ES-004	11/02/94	18.35	18.35	0.00
ES-004	12/07/94	17.56	17.56	0.00

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Well ID	Date	DEPTH TO LIQUID (ft)	DEPTH TO WATER (ft)	PRODUCT THICKNESS (ft)
ES-004	1/13/95	16.77	16.77	0.00
ES-004	2/14/95	16.37	16.37	0.00
ES-004	3/07/95	16.66	16.66	0.00
ES-004	4/11/95	16.14	16.14	0.00
ES-004	5/09/95	16.57	16.57	0.00
ES-004	6/09/95	17.02	17.02	0.00
ES-004	7/06/95	17.19	17.19	0.00
ES-004	8/10/95	17.84	17.84	0.00
ES-004	9/07/95	17.68	17.68	0.00
ES-004	10/03/95	17.84	17.84	0.00
ES-004	10/05/95	17.84	17.84	0.00
ES-004	11/02/95	18.02	18.02	0.00
ES-004	12/07/95	18.23	18.23	0.00
ES-004	1/03/96	17.87	17.87	0.00
ES-004	2/06/96	17.02	17.02	0.00
ES-004	3/12/96	16.54	16.54	0.00
ES-004	4/09/96	16.76	16.76	0.00
ES-004	5/07/96	16.17	16.17	0.00
ES-004	6/05/96	17.05	17.05	0.00
ES-004	7/09/96	17.37	17.37	0.00
ES-004	9/05/96	17.74	17.74	0.00
ES-005	6/16/92	18.40	20.40	2.00
ES-005	7/07/92	20.23	20.23	0.00
ES-005	8/04/92	18.16	20.43	2.27
ES-005	8/31/92	18.24	20.80	2.56
ES-005	10/06/92	18.24	21.37	3.13
ES-005	11/06/92	17.60	20.92	3.32
ES-005	1/05/93	18.42	19.75	1.33
ES-005	1/07/93	19.35	22.00	2.65
ES-005	4/06/93	17.28	17.28	0.00
ES-005	7/03/93	19.50	19.50	0.00
ES-005	8/04/93	18.61	18.61	0.00
ES-005	9/01/93	18.79	18.80	.01
ES-005	10/07/93	18.65	19.33	.68
ES-005	11/02/93	18.91	19.45	.54
ES-005	12/06/93	18.78	19.25	.47
ES-005	2/02/94	18.18	19.98	1.80
ES-005	3/02/94	18.07	18.30	.23
ES-005	4/07/94	18.37	18.38	.01
ES-005	5/05/94	18.24	18.26	.02
ES-005	6/07/94	18.26	18.27	.01
ES-005	7/13/94	18.30	18.30	0.00
ES-005	8/03/94	17.90	17.90	0.00
ES-005	9/14/94	18.41	18.42	.01
ES-005	10/06/94	18.23	18.23	0.00
ES-005	11/02/94	18.47	18.47	0.00
ES-005	12/07/94	17.45	17.45	0.00
ES-005	1/13/95	18.23	18.23	0.00
ES-005	2/14/95	16.45	16.45	0.00

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Well ID	Date	DEPTH TO LIQUID (ft)	DEPTH TO WATER (ft)	PRODUCT THICKNESS (ft)
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ES-005	3/07/95	16.53	16.53	0.00
ES-005	4/11/95	16.00	16.00	0.00
ES-005	5/09/95	16.45	16.45	0.00
ES-005	6/09/95	16.90	16.90	0.00
ES-005	7/06/95	17.09	17.09	0.00
ES-005	8/10/95	17.44	17.44	0.00
ES-005	9/07/95	17.61	17.61	0.00
ES-005	10/03/95	18.74	18.74	0.00
ES-005	10/05/95	18.74	18.74	0.00
ES-005	11/02/95	17.98	17.98	0.00
ES-005	12/07/95	18.21	18.22	.01
ES-005	1/03/96	17.89	17.89	0.00
ES-005	2/06/96	16.76	16.76	0.00
ES-005	3/12/96	16.36	16.36	0.00
ES-005	4/09/96	16.70	16.70	0.00
ES-005	5/07/96	16.95	16.95	0.00
ES-005	6/05/96	16.95	16.95	0.00
ES-005	7/09/96	17.34	17.34	0.00
ES-006	1/05/93	21.76	21.76	0.00
ES-006	9/01/93	21.94	21.94	0.00
ES-006	10/07/93	21.81	21.81	0.00
ES-006	11/02/93	21.91	21.91	0.00
ES-006	12/06/93	21.90	21.90	0.00
ES-006	2/02/94	21.74	21.74	0.00
ES-006	3/02/94	21.10	21.10	0.00
ES-006	4/07/94	21.30	21.30	0.00
ES-006	5/05/94	21.16	21.16	0.00
ES-006	6/07/94	21.02	21.02	0.00
ES-006	7/13/94	21.40	21.40	0.00
ES-006	8/03/94	21.58	21.58	0.00
ES-006	9/14/94	21.52	21.52	0.00
ES-006	10/06/94	21.58	21.58	0.00
ES-006	11/02/94	21.64	21.64	0.00
ES-006	12/07/94	20.94	20.94	0.00
ES-006	1/13/95	20.25	20.25	0.00
ES-006	2/14/95	19.82	19.82	0.00
ES-006	3/07/95	20.06	20.06	0.00
ES-006	4/11/95	19.56	19.56	0.00
ES-006	5/09/95	97.84	97.84	0.00
ES-006	6/09/95	20.37	20.37	0.00
ES-006	7/06/95	20.55	20.55	0.00
ES-006	8/10/95	20.81	20.81	0.00
ES-006	9/07/95	20.94	20.94	0.00
ES-006	10/03/95	21.14	21.14	0.00
ES-006	10/05/95	21.14	21.14	0.00
ES-006	11/02/95	21.31	21.31	0.00
ES-006	12/07/95	21.48	21.48	0.00
ES-006	1/03/96	21.24	21.24	0.00
ES-006	2/06/96	20.52	20.52	0.00

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Well ID	Date	DEPTH TO LIQUID (ft)	DEPTH TO WATER (ft)	PRODUCT THICKNESS (ft)
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ES-006	3/12/96	19.85	19.85	0.00
ES-006	4/09/96	20.14	20.14	0.00
ES-006	5/07/96	20.42	20.42	0.00
ES-006	6/05/96	20.41	20.41	0.00
ES-006	7/09/96	20.74	20.74	0.00
ES-007	1/05/93	19.90	19.90	0.00
ES-007	9/01/93	19.71	19.71	0.00
ES-007	10/07/93	19.99	19.99	0.00
ES-007	11/02/93	20.12	20.12	0.00
ES-007	12/06/93	20.15	20.15	0.00
ES-007	2/02/94	19.79	19.79	0.00
ES-007	3/02/94	19.14	19.14	0.00
ES-007	4/07/94	19.44	19.44	0.00
ES-007	5/05/94	19.30	19.30	0.00
ES-007	6/07/94	19.33	19.33	0.00
ES-007	7/13/94	19.11	19.11	0.00
ES-007	8/03/94	19.40	19.40	0.00
ES-007	9/14/94	19.64	19.64	0.00
ES-007	10/06/94	19.73	19.73	0.00
ES-007	11/02/94	19.79	19.79	0.00
ES-007	12/07/94	19.89	19.89	0.00
ES-007	1/13/95	18.11	18.11	0.00
ES-007	2/14/95	17.63	17.63	0.00
ES-007	3/07/95	17.92	17.92	0.00
ES-007	4/11/95	17.35	17.35	0.00
ES-007	5/09/95	17.79	17.79	0.00
ES-007	6/09/95	18.29	18.29	0.00
ES-007	7/06/95	18.46	18.46	0.00
ES-007	8/10/95	18.77	18.77	0.00
ES-007	9/07/95	18.98	18.98	0.00
ES-007	10/03/95	19.15	19.15	0.00
ES-007	10/05/95	19.15	19.15	0.00
ES-007	11/02/95	19.36	19.36	0.00
ES-007	12/07/95	19.57	19.57	0.00
ES-007	1/03/96	19.29	19.29	0.00
ES-007	2/06/96	18.41	18.41	0.00
ES-007	3/12/96	17.76	17.76	0.00
ES-007	4/09/96	18.05	18.05	0.00
ES-007	5/07/96	18.36	18.36	0.00
ES-007	6/05/96	18.36	18.36	0.00
ES-007	7/09/96	18.72	18.72	0.00
ES-007	9/05/96	19.12	19.12	0.00
ES-008	9/01/93	18.88	18.88	0.00
ES-008	10/07/93	19.13	19.13	0.00
ES-008	11/02/93	19.26	19.26	0.00
ES-008	12/06/93	19.24	19.24	0.00
ES-008	1/05/94	19.10	19.10	0.00

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Well ID	Date	DEPTH TO LIQUID (ft)	DEPTH TO WATER (ft)	PRODUCT THICKNESS (ft)
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ES-008	2/02/94	19.08	19.08	0.00
ES-008	3/02/94	18.28	18.28	0.00
ES-008	4/07/94	18.44	18.44	0.00
ES-008	5/05/94	18.26	18.26	0.00
ES-008	6/07/94	18.32	18.32	0.00
ES-008	7/13/94	18.50	18.50	0.00
ES-008	8/03/94	18.42	18.42	0.00
ES-008	9/14/94	18.50	18.50	0.00
ES-008	10/06/94	18.76	18.76	0.00
ES-008	11/02/94	18.76	18.76	0.00
ES-008	12/07/94	18.00	18.00	0.00
ES-008	1/13/95	16.83	16.83	0.00
ES-008	2/14/95	16.67	16.67	0.00
ES-008	3/07/95	16.99	16.99	0.00
ES-008	4/11/95	16.41	16.41	0.00
ES-008	5/09/95	16.92	16.92	0.00
ES-008	6/09/95	17.35	17.35	0.00
ES-008	7/06/95	17.56	17.56	0.00
ES-008	8/10/95	17.89	17.89	0.00
ES-008	9/07/95	18.09	18.09	0.00
ES-008	10/03/95	18.27	18.27	0.00
ES-008	10/05/95	18.27	18.27	0.00
ES-008	11/02/95	18.51	18.51	0.00
ES-008	12/07/95	18.72	18.72	0.00
ES-008	1/03/96	18.36	18.36	0.00
ES-008	2/06/96	17.07	17.07	0.00
ES-008	3/12/96	16.79	16.79	0.00
ES-008	4/09/96	17.10	17.10	0.00
ES-008	5/07/96	17.34	17.34	0.00
ES-008	6/05/96	17.36	17.36	0.00
ES-008	7/09/96	17.71	17.71	0.00
ES-008	9/05/96	18.13	18.13	0.00
ES-009	9/01/93	19.74	19.74	0.00
ES-009	10/07/93	17.90	17.90	0.00
ES-009	12/06/93	18.00	18.00	0.00
ES-009	1/05/94	17.80	17.80	0.00
ES-009	2/02/94	17.02	17.02	0.00
ES-009	3/02/94	17.12	17.12	0.00
ES-009	4/07/94	17.24	17.24	0.00
ES-009	5/05/94	17.04	17.04	0.00
ES-009	6/07/94	17.06	17.06	0.00
ES-009	7/13/94	17.40	17.40	0.00
ES-009	8/03/94	17.10	17.10	0.00
ES-009	9/14/94	17.09	17.09	0.00
ES-009	10/06/94	17.46	17.46	0.00
ES-009	11/02/94	17.55	17.55	0.00
ES-009	12/07/94	16.79	16.79	0.00
ES-009	1/13/95	15.80	15.80	0.00
ES-009	2/14/95	15.49	15.49	0.00

FACILITY NO.: 8934  
 FACILITY NAME: OAKLAND  
 STATE: CA  
 FACILITY TYPE: TERMINAL

Well ID	Date	DEPTH TO LIQUID (ft)	DEPTH TO WATER (ft)	PRODUCT THICKNESS (ft)
-----	-----	-----	-----	-----
ES-009	3/07/95	15.79	15.79	0.00
ES-009	4/11/95	15.23	15.23	0.00
ES-009	5/09/95	15.72	15.72	0.00
ES-009	6/09/95	16.13	16.13	0.00
ES-009	7/06/95	16.34	16.34	0.00
ES-009	8/10/95	16.67	16.67	0.00
ES-009	9/07/95	16.87	16.87	0.00
ES-009	10/03/95	17.09	17.09	0.00
ES-009	10/05/95	17.09	17.09	0.00
ES-009	11/02/95	17.30	17.30	0.00
ES-009	12/07/95	17.48	17.48	0.00
ES-009	1/03/96	17.12	17.12	0.00
ES-009	2/06/96	16.00	16.00	0.00
ES-009	3/12/96	15.63	15.63	0.00
ES-009	4/09/96	15.92	15.92	0.00
ES-009	5/07/96	16.17	16.17	0.00
ES-009	6/05/96	16.19	16.19	0.00
ES-009	7/09/96	16.52	16.52	0.00
ES-009	9/05/96	16.92	16.92	0.00
ES-010	9/01/93	18.04	18.04	0.00
ES-010	10/07/93	17.40	17.40	0.00
ES-010	11/02/93	17.46	17.46	0.00
ES-010	12/06/93	17.44	17.44	0.00
ES-010	1/05/94	17.27	17.27	0.00
ES-010	2/02/94	17.25	17.25	0.00
ES-010	3/02/94	16.61	16.61	0.00
ES-010	4/07/94	16.74	16.74	0.00
ES-010	5/05/94	16.55	16.55	0.00
ES-010	6/07/94	17.50	17.50	0.00
ES-010	7/13/94	16.10	16.10	0.00
ES-010	8/03/94	16.20	16.20	0.00
ES-010	9/14/94	16.48	16.48	0.00
ES-010	10/06/94	16.96	16.96	0.00
ES-010	11/02/94	17.05	17.05	0.00
ES-010	12/07/94	16.29	16.29	0.00
ES-010	1/13/95	15.42	15.42	0.00
ES-010	2/14/95	15.05	15.05	0.00
ES-010	3/07/95	15.34	15.34	0.00
ES-010	4/11/95	14.82	14.82	0.00
ES-010	5/09/95	15.26	15.26	0.00
ES-010	6/09/95	15.70	15.70	0.00
ES-010	7/06/95	15.89	15.89	0.00
ES-010	8/10/95	16.21	16.21	0.00
ES-010	9/07/95	16.42	16.42	0.00
ES-010	10/03/95	16.59	16.59	0.00
ES-010	10/05/95	16.59	16.59	0.00
ES-010	11/02/95	16.77	16.77	0.00
ES-010	12/07/95	16.97	16.97	0.00
ES-010	1/03/96	16.61	16.61	0.00



FACILITY NO.: 8934  
 FACILITY NAME: OAKLAND  
 STATE: CA  
 FACILITY TYPE: TERMINAL

Well ID	Date	DEPTH TO LIQUID (ft)	DEPTH TO WATER (ft)	PRODUCT THICKNESS (ft)
ES-010	2/06/96	15.71	15.71	0.00
ES-010	3/12/96	17.35	17.35	0.00
ES-010	4/09/96	15.44	15.44	0.00
ES-010	5/07/96	15.75	15.75	0.00
ES-010	6/05/96	17.75	17.75	0.00
ES-010	7/09/96	18.04	18.04	0.00
ES-010	9/05/96	16.45	16.45	0.00
ES-011	9/01/93	18.74	18.74	0.00
ES-011	10/07/93	18.90	18.90	0.00
ES-011	11/02/93	19.00	19.00	0.00
ES-011	12/06/93	19.02	19.02	0.00
ES-011	1/05/94	18.86	18.86	0.00
ES-011	2/02/94	18.74	18.74	0.00
ES-011	3/02/94	18.14	18.14	0.00
ES-011	4/07/94	18.38	18.38	0.00
ES-011	5/05/94	18.15	18.15	0.00
ES-011	6/07/94	18.28	18.28	0.00
ES-011	7/13/94	18.60	18.60	0.00
ES-011	8/03/94	18.18	18.18	0.00
ES-011	9/14/94	18.47	18.47	0.00
ES-011	10/06/94	18.55	18.55	0.00
ES-011	11/02/94	18.64	18.64	0.00
ES-011	12/07/94	17.49	17.49	0.00
ES-011	1/13/95	17.16	17.16	0.00
ES-011	2/14/95	16.76	16.76	0.00
ES-011	3/07/95	17.04	17.04	0.00
ES-011	4/11/95	16.54	16.54	0.00
ES-011	5/09/95	16.95	16.95	0.00
ES-011	6/09/95	17.34	17.34	0.00
ES-011	7/06/95	17.54	17.54	0.00
ES-011	8/10/95	17.85	17.85	0.00
ES-011	9/07/95	18.03	18.03	0.00
ES-011	10/03/95	18.20	18.20	0.00
ES-011	10/05/95	18.20	18.20	0.00
ES-011	11/02/95	18.38	18.38	0.00
ES-011	12/07/95	18.59	18.59	0.00
ES-011	1/03/96	18.21	18.21	0.00
ES-011	2/06/96	17.45	17.45	0.00
ES-011	3/12/96	16.83	16.83	0.00
ES-011	4/09/96	17.13	17.13	0.00
ES-011	5/07/96	17.42	17.42	0.00
ES-011	6/05/96	17.42	17.42	0.00
ES-011	7/09/96	17.71	17.71	0.00
ES-011	9/05/96	18.07	18.07	0.00
MW-002	10/08/96	18.61	18.61	0.00

FACILITY NO.: 8934  
FACILITY NAME: OAKLAND  
STATE: CA  
FACILITY TYPE: TERMINAL

Well ID	Date	DEPTH TO LIQUID (ft)	DEPTH TO WATER (ft)	PRODUCT THICKNESS (ft)
MW-003	10/08/96	18.98	18.98	0.00
MW-004	10/08/96	17.97	17.97	0.00
MW-006	10/08/96	21.23	21.23	0.00
MW-007	10/08/96	19.37	19.37	0.00
MW-008	10/08/96	18.44	18.44	0.00
MW-009	10/08/96	17.19	17.19	0.00
MW-010	10/08/96	16.70	16.70	0.00
MW-011	10/08/96	18.29	18.29	0.00

**ATTACHMENT C**  
**PREVIOUS ANALYTICAL DATA SUMMARY**

Facility Number: 8934  
 Facility Name: OAKLAND  
 State: CA  
 Facility Type: TERMINAL

Location	Date	Benzene (ug/l)	Toulene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	Total Btex (ug/l)	TPH diesel (mg/l)	TPH gasoline (mg/l)
BC-02	7/08/92	ND	ND	ND	8.4	8.4	2.1	NA
BC-02	10/06/92	ND	1.1	0.9	7.2	9.2	ND	NA
BC-02	1/07/93	ND	1.1	1.5	9.5	12.1	ND	NA
BC-02	4/06/93	ND	ND	ND	ND	ND	0.13	ND
BC-02	10/07/93	ND	ND	ND	ND	ND	1.4	NA
BC-02	1/05/94	NA	NA	NA	NA	NA	NA	NA
BC-02	4/07/94	NA	NA	NA	NA	NA	NA	NA
BC-02	7/13/94	NA	NA	NA	NA	NA	NA	NA
BC-02	10/06/94	NA	NA	NA	NA	NA	NA	NA
BC-02	1/13/95	ND	ND	ND	ND	ND	1.1	ND
BC-02	4/11/95	ND	ND	ND	ND	ND	ND	ND
BC-02	7/06/95	ND	ND	ND	ND	ND	0.29	ND
BC-02	10/05/95	1	ND	ND	1	2	1.5	ND
BC-03	7/08/92	ND	2.5	ND	6.1	8.6	3.9	NA
BC-03	7/08/92	ND	2.5	ND	6.1	8.6	3.9	NA
BC-03	10/06/92	ND	1.9	0.5	1.8	4.2	0.8	NA
BC-03	1/07/93	ND	ND	ND	ND	ND	ND	NA
BC-03	4/06/93	ND	ND	ND	ND	ND	0.12	ND
BC-03	10/07/93	ND	ND	1.0	2.0	3.0	1.4	NA
BC-03	1/05/94	ND	ND	ND	1.6	1.6	1.8	ND
BC-03	4/07/94	ND	ND	ND	ND	ND	0.85	ND
BC-03	7/13/94	ND	ND	ND	ND	ND	0.20	ND
BC-03	10/06/94	ND	ND	ND	ND	ND	0.82	ND
BC-03	1/13/95	ND	ND	ND	ND	ND	0.89	ND
BC-03	4/11/95	ND	ND	ND	ND	ND	ND	ND
BC-03	7/06/95	ND	ND	ND	ND	ND	0.38	ND
BC-03	10/05/95	ND	ND	ND	ND	ND	ND	ND

Facility Number: 8934  
 Facility Name: OAKLAND  
 State: CA  
 Facility Type: TERMINAL

Location	Date	Benzene (ug/l)	Toulene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	Total Btex (ug/l)	TPH diesel (mg/l)	TPH gasoline (mg/l)
ES-03	7/08/92	54	21	48	34	157	1.3	NA
ES-03	10/06/92	93	18	ND	11	122	ND	NA
ES-03	1/07/93	52	49	100	250	451	ND	NA
ES-03	4/06/93	53	ND	67	78	198	0.51	4.5
ES-03	7/23/93	28	5.9	4.6	4.6	43.1	0.06	1500
ES-03	10/07/93	2.0	1.0	ND	2.0	5.0	ND	NA
ES-03	1/05/94	13	2.0	7.0	5.0	27	NA	0.53
ES-03	4/07/94	10	9	26	34	79	0.91	0.85
ES-03	7/13/94	2.0	0.9	0.8	3.0	6.7	0.28	0.37
ES-03	10/06/94	ND	ND	ND	ND	ND	ND	ND
ES-03	1/13/95	19	15	72	88	194	1.1	1.6
ES-03	4/11/95	20	7	36	22	85	0.39	0.94
ES-03	7/06/95	6	ND	7	ND	13	1.2	0.24
ES-03	10/05/95	2	2	ND	ND	4	0.11	ND
ES-03	1/05/96	ND	ND	ND	ND	ND	ND	ND
ES-03	4/09/96	ND	ND	ND	ND	ND	0.12	NA
ES-03	7/09/96	ND	ND	ND	ND	ND	ND	ND
ES-03	10/08/96	ND	ND	ND	ND	ND	ND	ND
GR								
ES-04	7/08/92	31	5.6	ND	2.8	39.4	ND	NA
ES-04	10/06/92	100	8.2	ND	7.6	115.8	ND	NA
ES-04	1/07/93	30	6.7	7.7	16	60.4	ND	NA
ES-04	4/06/93	33	2.3	1.9	4.7	41.9	ND	0.36
ES-04	7/23/93	24	1.1	0.07	8.3	33.47	ND	ND
ES-04	10/07/93	8.0	ND	ND	2.0	10.0	ND	NA
ES-04	1/05/94	15	0.6	0.4	3.0	19	ND	0.13
ES-04	4/07/94	11	ND	ND	ND	11	ND	0.17
ES-04	7/13/94	9.0	ND	ND	0.7	9.7	ND	0.13
ES-04	10/06/94	18.0	ND	2.0	3.0	23.0	ND	0.10
ES-04	1/13/95	12	ND	ND	2	14	ND	0.15
ES-04	4/11/95	39	4	12	24	79	ND	0.18

Facility Number: 8934  
 Facility Name: OAKLAND  
 State: CA  
 Facility Type: TERMINAL

Location	Date	Benzene (ug/l)	Toulene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	Total Btex (ug/l)	TPH diesel (mg/l)	TPH gasoline (mg/l)
ES-04	7/06/95	100	10	26	61	197	0.16	0.60
ES-04	10/05/95	210	16	71	84	381	0.17	1.2
ES-04	1/05/96	34	ND	5	4	ND	ND	0.12
ES-04	4/11/96	57	3	17	19	96	ND	NA
ES-04	7/09/96	43	4.6	21	17	85.6	ND	0.22
ES-04	10/08/96	110	4.4	42	39	195.4	ND	0.86
<i>OR</i>								
ES-06	7/23/93	ND	ND	ND	ND	ND	ND	ND
ES-06	10/07/93	1.0	ND	ND	ND	ND	ND	NA
ES-06	1/05/94	ND	ND	ND	ND	ND	ND	ND
ES-06	4/07/94	ND	ND	ND	ND	ND	ND	0.16
ES-06	7/13/94	ND	ND	ND	ND	ND	ND	ND
ES-06	10/06/94	ND	ND	ND	ND	ND	ND	ND
ES-06	1/13/95	ND	ND	ND	ND	ND	ND	ND
ES-06	4/11/95	ND	ND	ND	ND	ND	ND	ND
ES-06	7/06/95	ND	ND	ND	2	2	ND	ND
ES-06	10/05/95	ND	ND	ND	ND	ND	ND	ND
ES-06	1/05/96	ND	ND	ND	ND	ND	ND	ND
ES-06	4/09/96	ND	ND	ND	ND	ND	0.22	NA
ES-06	7/09/96	ND	ND	ND	ND	ND	ND	ND
ES-06	10/08/96	ND	ND	ND	ND	ND	ND	ND
<i>OR</i>								
ES-07	7/23/93	ND	ND	ND	ND	ND	ND	ND
ES-07	10/07/93	ND	ND	ND	ND	ND	ND	NA
ES-07	1/05/94	ND	ND	ND	ND	ND	ND	ND
ES-07	4/07/94	ND	ND	ND	ND	ND	0.10	0.11
ES-07	7/13/94	ND	ND	ND	ND	ND	ND	ND
ES-07	10/06/94	ND	ND	ND	ND	ND	ND	ND
ES-07	1/13/95	ND	ND	ND	ND	ND	ND	ND
ES-07	4/11/95	ND	ND	ND	ND	ND	ND	ND

Facility Number: 8934  
 Facility Name: OAKLAND  
 State: CA  
 Facility Type: TERMINAL

Location	Date	Benzene (ug/l)	Toulene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	Total Btex (ug/l)	TPH diesel (mg/l)	TPH gasoline (mg/l)
ES-07	7/06/95	ND	ND	ND	ND	ND	ND	ND
ES-07	10/05/95	ND	ND	ND	ND	ND	ND	ND
ES-07 <i>ANNUAL</i>	7/09/96	ND	ND	ND	ND	ND	ND	ND
ES-08	7/23/93	ND	ND	ND	ND	ND	ND	ND
ES-08	10/07/93	ND	ND	ND	ND	ND	ND	NA
ES-08	1/05/94	ND	ND	ND	ND	ND	ND	ND
ES-08	4/07/94	ND	ND	ND	ND	ND	ND	ND
ES-08	7/13/94	ND	ND	ND	ND	ND	NA	ND
ES-08	10/06/94	ND	ND	ND	ND	ND	ND	ND
ES-08	1/13/95	ND	ND	ND	ND	ND	ND	ND
ES-08	4/11/95	ND	ND	ND	ND	ND	ND	ND
ES-08	7/06/95	ND	ND	ND	ND	ND	ND	ND
ES-08	10/05/95	ND	ND	ND	ND	ND	ND	ND
ES-08 <i>ANNUAL</i>	7/09/96	ND	ND	ND	ND	ND	ND	ND
ES-09	7/23/93	ND	ND	ND	ND	ND	ND	ND
ES-09	10/07/93	ND	ND	ND	ND	ND	ND	NA
ES-09	1/05/94	ND	ND	ND	ND	ND	ND	ND
ES-09	4/07/94	ND	ND	ND	ND	ND	ND	ND
ES-09	7/13/94	ND	ND	ND	ND	ND	ND	ND
ES-09	10/06/94	ND	ND	ND	ND	ND	ND	ND
ES-09	1/13/95	ND	ND	ND	ND	ND	1.1	ND
ES-09	4/11/95	ND	ND	ND	ND	ND	ND	ND
ES-09	7/06/95	ND	ND	ND	ND	ND	ND	ND
ES-09 <i>COPIED</i>	10/05/95	ND	ND	ND	ND	ND	ND	ND
ES-10	7/23/93	ND	ND	ND	ND	ND	ND	ND
ES-10	10/07/93	ND	ND	ND	ND	ND	ND	NA

Facility Number: 8934  
 Facility Name: OAKLAND  
 State: CA  
 Facility Type: TERMINAL

Location	Date	Benzene (ug/l)	Toulene (ug/l)	Ethyl- benzene (ug/l)	Total Xylenes (ug/l)	Total Btex (ug/l)	TPH diesel (mg/l)	TPH gasoline (mg/l)
ES-10	1/05/94	ND	ND	ND	ND	ND	ND	ND
ES-10	4/07/94	ND	ND	ND	ND	ND	ND	ND
ES-10	7/13/94	ND	ND	ND	ND	ND	ND	ND
ES-10	10/06/94	ND	ND	ND	ND	ND	ND	ND
ES-10	1/13/95	ND	ND	ND	ND	ND	ND	ND
ES-10	4/11/95	ND	ND	ND	ND	ND	ND	ND
ES-10	7/06/95	ND	ND	ND	ND	ND	ND	ND
ES-10	10/05/95	ND	ND	ND	ND	ND	ND	ND
<i>Dropped</i>								
ES-11	7/23/93	ND	0.7	ND	1.2	1.9	ND	ND
ES-11	10/07/93	ND	ND	ND	ND	ND	ND	NA
ES-11	1/05/94	ND	ND	ND	ND	ND	ND	ND
ES-11	4/07/94	ND	ND	ND	ND	ND	0.35	ND
ES-11	7/13/94	ND	ND	ND	ND	ND	ND	ND
ES-11	10/06/94	ND	ND	ND	ND	ND	ND	ND
ES-11	1/13/95	ND	ND	ND	ND	ND	ND	ND
ES-11	4/11/95	ND	ND	ND	ND	ND	ND	0.17
ES-11	7/06/95	ND	ND	ND	ND	ND	ND	ND
ES-11	10/05/95	ND	ND	ND	ND	ND	ND	ND
ES-11	7/09/96	ND	ND	ND	ND	ND	ND	ND

*Annex A2*