ENGINEERING-SCIENCE, INC.

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February 14, 1995

Ms. Susan Hugo
Alameda County Department of
Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

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

Dear Ms. Hugo:

On behalf of Greyhound Lines, Inc. (Greyhound), Engineering-Science, Inc. is pleased to present the January 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. The report also serves as the January 1995 monthly monitoring report.

Ten groundwater samples were collected at the Oakland facility between January 13 and January 16, 1995, and analyzed for BTEX compounds (EPA Method 8020), total petroleum hydrocarbons as diesel (TPH-D, Modified EPA Method 8015), and total petroleum hydrocarbons as gasoline (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.

The next groundwater sampling event will be conducted in April 1995. The Alameda County Department of Environmental Health (ACDEH) will be notified at least 1 week prior to the sampling event so that a representative from ACDEH may be on-site when the samples are collected. The next quarterly status report will be prepared and submitted to your department on or before May 15, 1995.

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

Sincerely,

ENGINEERING-SCIENCE, INC.

Martin N. Miller
Environmental Technician

David A. Nickerson
Project Manager

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

MNM/DAN/DLC/lml

cc: T. Portele, GLI, Dallas, TX
Richard Hiett, Regional Water Quality Control Board

JANUARY 1995
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.

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

  Monitoring well data obtained on January 13 and 16, 1995 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 southward. Groundwater elevation contours were not drawn because of significant drawdown in the area of the recovery wells.

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

  Monitoring well data obtained during prior quarterly sampling events are presented in Table 5. Free product thicknesses have been eliminated or significantly reduced in the four on-site 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:**

  Results from the groundwater samples collected in January 1995 are summarized in Table 2. Ten of the 16 monitoring wells located on or near the site were sampled. The samples were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method 8020; for total petroleum hydrocarbons as diesel (TPH-D) by Modified EPA Method 8015; and for total petroleum hydrocarbons as gasoline (TPH-G) by Modified EPA Method 8015. Monitoring wells ES-1, ES-2, ES-5, and BC-1 were not sampled because free product or hydrocarbon sheens were observed in these wells. Laboratory reports including chain-of-custody documentation, are included in Appendix A.

  BTEX compounds were only detected in two of the samples. Benzene (19.0 μg/l), toluene (15 μg/l), ethylbenzene (72 μg/l), and xylenes (88 μg/l) were detected in sample ES-3. Benzene (12.0 μg/l) and xylenes (2.0 μg/l) were detected in sample ES-4. Toluene and ethylbenzene were not detected in sample ES-4.

  TPH-D was detected in samples ES-3 (1.1 mg/l), ES-9 (1.1 μg/l), BC-2 (1.1 mg/l), and BC-3 (0.89 mg/l). TPH-D was not detected in the other six samples. TPH-G was only detected in two samples: ES-3 (1.6 mg/l) and ES-4 (0.15 mg/l).

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

  A summary of the analytical results from previous groundwater sampling events is presented in Table 3. Table 4 is a summary of the analytical data from previously collected soil samples.

- **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. The figure indicates the extent of groundwater contamination.

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

- **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:**

  With the exception of a brief shutdown between October 6 and October 21, 1993 due to an air compressor problem, the product recovery system has been active since startup. The system is inspected daily by on-site personnel and monthly during monitoring visits by 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 Clean, Inc. and Evergreen Vacuum Services, State of California-certified waste haulers. In addition,

74,911 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.

- **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. Greyhound awaits ACDEH review of the Supplemental Site Assessment and Preliminary Risk Evaluation reports, and ACDEH approval of recommendations.

  The next quarterly status report will be prepared and submitted to ACDEH on or before May 15, 1995.

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

  Greyhound anticipates that the groundwater monitoring program will continue until free product has been removed from the groundwater. After the free product has been removed, a long-term groundwater monitoring program will be proposed to ensure that residual contaminants do not migrate off-site.

- **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
January 13 and 16, 1995

Location	Elevation of T.O.C[1] (Ft.)	Depth to Groundwater (Ft.)	Groundwater Elevation[2] (Ft.)	Product Layer Thickness (Ft.)
ES–1[3]	96.64	18.43	78.21	0.04
ES–2[3]	96.44	18.86	77.58	0
ES–3	96.96	17.35	79.61	0
ES–4	95.70	16.77	78.93	0
ES–5[3]	95.85	18.23	77.62	0
ES–6	97.84	20.25	77.59	0
ES–7	96.40	18.11	78.29	0
ES–8	96.64	16.83	79.81	0
ES–9	95.78	15.80	79.98	0
ES–10	95.24	15.42	79.82	0
ES–11	95.92	17.16	78.76	0
BC–1[3]	96.16	18.58	77.58	0
BC–2[4]	96.32	12.80	83.52	0
BC–3[4]	96.20	15.40	80.80	0

[1] 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).

[2] Groundwater elevation (Elevation of T.O.C. – depth to groundwater).

[3] Recovery Wells.

[4] Approximate elevation – well casings not vertical.

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
GREYHOUND TERMINAL, OAKLAND, CALIFORNIA
JANUARY 13 AND 16, 1995

Location	Date Collected	Parameter	Result	Detection Limit
ES-3	1/16	Benzene[1]	19	0.3 ug/L
		Toluene[1]	15	0.3 ug/L
		Ethylbenzene[1]	72	0.3 ug/L
		Xylenes (total)[1]	88	0.6 ug/L
		TPH-D[2]	1.1	0.1 mg/L
		TPH-G[3]	1.6	0.1 mg/L
ES-4	1/16	Benzene[1]	12	0.3 ug/L
		Toluene[1]	ND	0.3 ug/L
		Ethylbenzene[1]	ND	0.3 ug/L
		Xylenes (total)[1]	2	0.6 ug/L
		TPH-D[2]	ND	0.1 mg/L
		TPH-G[3]	0.15	0.1 mg/L
ES-6	1/13	Benzene[1]	ND	0.3 ug/L
		Toluene[1]	ND	0.3 ug/L
		Ethylbenzene[1]	ND	0.3 ug/L
		Xylenes (total)[1]	ND	0.6 ug/L
		TPH-D[2]	ND	0.1 mg/L
		TPH-G[3]	ND	0.1 mg/L
ES-7	1/13	Benzene[1]	ND	0.3 ug/L
		Toluene[1]	ND	0.3 ug/L
		Ethylbenzene[1]	ND	0.3 ug/L
		Xylenes (total)[1]	ND	0.6 ug/L
		TPH-D[2]	ND	0.1 mg/L
		TPH-G[3]	ND	0.1 mg/L
ES-8	1/13	Benzene[1]	ND	0.3 ug/L
		Toluene[1]	ND	0.3 ug/L
		Ethylbenzene[1]	ND	0.3 ug/L
		Xylenes (total)[1]	ND	0.6 ug/L
		TPH-D[2]	ND	0.1 mg/L
		TPH-G[3]	ND	0.1 mg/L
ES-9	1/13	Benzene[1]	ND	0.3 ug/L
		Toluene[1]	ND	0.3 ug/L
		Ethylbenzene[1]	ND	0.3 ug/L
		Xylenes (total)[1]	ND	0.6 ug/L
		TPH-D[2]	1.1	0.1 mg/L
		TPH-G[3]	ND	0.1 mg/L

TABLE 2
(Continued)

Location	Date Collected	Parameter	Result	Detection Limit
ES–10	1/16	Benzene[1]	ND	0.3 ug/L
		Toluene[1]	ND	0.3 ug/L
		Ethylbenzene[1]	ND	0.3 ug/L
		Xylenes (total)[1]	ND	0.6 ug/L
		TPH–D[2]	ND	0.1 mg/L
		TPH–G[3]	ND	0.1 mg/L
ES–11	1/16	Benzene[1]	ND	0.3 ug/L
		Toluene[1]	ND	0.3 ug/L
		Ethylbenzene[1]	ND	0.3 ug/L
		Xylenes (total)[1]	ND	0.6 ug/L
		TPH–D[2]	ND	0.1 mg/L
		TPH–G[3]	ND	0.1 mg/L
BC–2	1/16	Benzene[1]	ND	0.3 ug/L
		Toluene[1]	ND	0.3 ug/L
		Ethylbenzene[1]	ND	0.3 ug/L
		Xylenes (total)[1]	ND	0.6 ug/L
		TPH–D[2]	1.1	0.1 mg/L
		TPH–G[3]	ND	0.1 mg/L
BC–3	1/16	Benzene[1]	ND	0.3 ug/L
		Toluene[1]	ND	0.3 ug/L
		Ethylbenzene[1]	ND	0.3 ug/L
		Xylenes (total)[1]	ND	0.6 ug/L
		TPH–D[2]	0.89	0.1 mg/L
		TPH–G[3]	ND	0.1 mg/L

Notes:

[1] Analyzed by EPA Method 8020. Concentrations in ug/l.

[2] Analyzed by DHS/LUFT Method Modified EPA 8015 for Diesel. Concentrations in mg/l.

[3] Analyzed by DHS/LUFT Method Modified EPA 8015 for Gasoline. Concentrations in mg/l.

Wells ES–1, 2, 5, and BC–1 were not sampled due to the presence of free product or hydrocarbon sheens.

ND – Not detected above the practical quantitation limit.

TABLE 3

SUMMARY OF ANALYTICAL DATA
GROUNDWATER ANALYSIS
GREYHOUND TERMINAL, OAKLAND, CALIFORNIA

Sampling Date	Location	Benzene ug/l	Toluene ug/l	Ethylbenzene ug/l	Xylene ug/l	Total BTEX ug/l	TPH–D(*) mg/l	TPH–G(*) mg/l
07/08/92	ES–3	54	21	48	34	157	1.3	NA
	ES–4	31	5.6	ND	2.8	39.4	ND	NA
	BC–2	ND	ND	ND	8.4	8.4	2.1	NA
	BC–3	ND	2.5	ND	6.1	8.6	3.9	NA
10/06/92	ES–3	93	18	ND	11	122	ND	NA
	ES–4	100	8.2	ND	7.6	115.8	ND	NA
	BC–2	ND	1.1	0.9	7.2	9.2	ND	NA
	BC–3	ND	1.9	0.5	1.8	4.2	0.8	NA
01/07/93	ES–3	52	49	100	250	451	ND	NA
	ES–4	30	6.7	7.7	16	60.4	ND	NA
	BC–2	ND	1.1	1.5	9.5	12.1	ND	NA
	BC–3	ND	ND	ND	ND	ND	ND	NA
04/06/93	ES–3	53	ND	67	78	198	0.51	4.5
	ES–4	33	2.3	1.9	4.7	41.9	ND	0.36
	BC–2	ND	ND	ND	ND	ND	0.13	ND
	BC–3	ND	ND	ND	ND	ND	0.12	ND

TABLE 3
(Continued)
SUMMARY OF ANALYTICAL DATA
GROUNDWATER ANALYSIS
GREYHOUND TERMINAL, OAKLAND, CALIFORNIA

Sampling Date	Location	Benzene ug/l	Toluene ug/l	Ethylbenzene ug/l	Xylene ug/l	Total BTEX ug/l	TPH-D(*) mg/l	TPH-G(*) mg/l
07/23/93	ES-3	28.0	5.9	4.6	4.6	43.1	0.6	1.5
	ES-4	24.0	1.1	0.7	8.3	34.1	ND	ND
	ES-6	ND	ND	ND	ND	ND	ND	ND
	ES-7	ND	ND	ND	ND	ND	ND	ND
	ES-8	ND	ND	ND	ND	ND	ND	ND
	ES-9	ND	ND	ND	ND	ND	ND	ND
	ES-10	ND	ND	ND	ND	ND	ND	ND
	ES-11	ND	0.7	ND	1.2	1.9	ND	ND
	BC-2	1.0	2.4	1.8	7.9	13.1	0.5	ND
	BC-3	2.7	3.6	3.6	7.9	17.8	NA	ND
10/07/93	ES-3	2.0	1.0	ND	2.0	5.0	ND	NA
	ES-4	8.0	ND	ND	2.0	10.0	ND	NA
	ES-6	1.0	ND	ND	ND	ND	ND	NA
	ES-7	ND	ND	ND	ND	ND	ND	NA
	ES-8	ND	ND	ND	ND	ND	ND	NA
	ES-9	ND	ND	ND	ND	ND	ND	NA
	ES-10	ND	ND	ND	ND	ND	ND	NA
	ES-11	ND	ND	ND	ND	ND	ND	NA
	BC-2	ND	ND	ND	ND	ND	1.4	NA
	BC-3	ND	ND	1.0	2.0	3.0	1.4	NA

TABLE 3
(Continued)
SUMMARY OF ANALYTICAL DATA
GROUNDWATER ANALYSIS
GREYHOUND TERMINAL, OAKLAND, CALIFORNIA

Sampling Date	Location	Benzene ug/l	Toluene ug/l	Ethylbenzene ug/l	Xylene ug/l	Total BTEX ug/l	TPH-D(*) mg/l	TPH-G(*) mg/l
1/05/94	ES-3	13	2.0	7.0	5.0	27	NA	0.53
	ES-4	15	0.6	0.4	3.0	19	ND	0.13
	ES-6	ND	ND	ND	ND	ND	ND	ND
	ES-7	ND	ND	ND	ND	ND	ND	ND
	ES-8	ND	ND	ND	ND	ND	ND	ND
	ES-9	ND	ND	ND	ND	ND	ND	ND
	ES-10	ND	ND	ND	ND	ND	ND	ND
	ES-11	ND	ND	ND	ND	ND	ND	ND
	BC-2	NA	NA	NA	NA	NA	NA	NA
	BC-3	ND	ND	ND	1.6	1.6	1.8	ND
04/07/94	ES-3	10	9	26	34	79	0.91	0.85
	ES-4	11	ND	ND	ND	11	ND	0.17
	ES-6	ND	ND	ND	ND	ND	ND	0.16
	ES-7	ND	ND	ND	ND	ND	0.10	0.11
	ES-8	ND	ND	ND	ND	ND	ND	ND
	ES-9	ND	ND	ND	ND	ND	ND	ND
	ES-10	ND	ND	ND	ND	ND	ND	ND
	ES-11	ND	ND	ND	ND	ND	0.35	ND
	BC-2	NA	NA	NA	NA	NA	NA	NA
	BC-3	ND	ND	ND	ND	ND	0.85	ND

TABLE 3
(Continued)
SUMMARY OF ANALYTICAL DATA
GROUNDWATER ANALYSIS
GREYHOUND TERMINAL, OAKLAND, CALIFORNIA

Sampling Date	Location	Benzene ug/l	Toluene ug/l	Ethylbenzene ug/l	Xylene ug/l	Total BTEX ug/l	TPH-D(*) mg/l	TPH-G(*) mg/l
07/13/94	ES-3	2.0	0.9	0.8	3.0	6.7	0.28	0.37
	ES-4	9.0	ND	ND	0.7	9.7	ND	0.13
	ES-6	ND	ND	ND	ND	ND	ND	ND
	ES-7	ND	ND	ND	ND	ND	ND	ND
	ES-8	ND	ND	ND	ND	ND	NA	ND
	ES-9	ND	ND	ND	ND	ND	ND	ND
	ES-10	ND	ND	ND	ND	ND	ND	ND
	ES-11	ND	ND	ND	ND	ND	ND	ND
	BC-2	NA	NA	NA	NA	NA	NA	NA
	BC-3	ND	ND	ND	ND	ND	0.20	ND
10/06/94	ES-3	ND	ND	ND	ND	ND	ND	ND
	ES-4	18.0	ND	2.0	3.0	23.0	ND	0.10
	ES-6	ND	ND	ND	ND	ND	ND	ND
	ES-7	ND	ND	ND	ND	ND	ND	ND
	ES-8	ND	ND	ND	ND	ND	ND	ND
	ES-9	ND	ND	ND	ND	ND	ts	ND
	ES-10	ND	ND	ND	ND	ND	ND	ND
	ES-11	ND	ND	ND	ND	ND	ND	ND
	BC-2	NA	NA	NA	NA	NA	NA	NA
	BC-3	ND	ND	ND	ND	ND	0.82	ND

TABLE 3
(Continued)
SUMMARY OF ANALYTICAL DATA
GROUNDWATER ANALYSIS
GREYHOUND TERMINAL, OAKLAND, CALIFORNIA

Sampling Date	Location	Benzene ug/l	Toluene ug/l	Ethylbenzene ug/l	Xylene ug/l	Total BTEX ug/l	TPH–D(*) mg/l	TPH–G(*) mg/l
1/13/95, 1/16/95	ES–3	19	15	72	88	194	1.1	1.6
	ES–4	12	ND	ND	2	14	ND	0.15
	ES–6	ND	ND	ND	ND	ND	ND	ND
	ES–7	ND	ND	ND	ND	ND	ND	ND
	ES–8	ND	ND	ND	ND	ND	ND	ND
	ES–9	ND	ND	ND	ND	ND	1.1	ND
	ES–10	ND	ND	ND	ND	ND	ND	ND
	ES–11	ND	ND	ND	ND	ND	ND	ND
	BC–2	ND	ND	ND	ND	ND	1.1	ND
	BC–3	ND	ND	ND	ND	ND	0.89	ND

ND – Parameter analyzed for but not detected above method detection limit.
NA – Parameter not analyzed.
(*) – Total petroleum hydrocarbons diesel (TPH–D) and total petroleum hydrocarbons as gasoline (TPH–G) were analyzed by GCFID by the DHS/LUFT method (modified EPA method 8015/solution preparation method 3510).

TABLE 4
SOIL ANALYTICAL DATA SUMMARY
GREYHOUND TERMINAL, OAKLAND, CALIFORNIA

Location Sample Depth	Date	Benzene ug/kg	Toluene ug/kg	Ethylbenzene ug/kg	Xylenes ug/kg	Total BTEX[1] ug/kg	TPH–D[2] mg/kg	TPH–G[3] 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.

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

2 TPH–Diesel= 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.

3 TPH–Gasoline= 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.

TABLE 5

MONITORING WELL DATA SUMMARY
GREYHOUND TERMINAL, OAKLAND, CALIFORNIA

Date	Well Location	Depth to Liquid (Feet)	Depth to Water (Feet)	Free Product Thickness (Feet)
7/7/92	ES–1	18.60	18.60	0
	ES–2	20.02	19.62	.40
	ES–3	19.52	19.52	0
	ES–4	18.51	18.51	0
	ES–5	22.23	20.23	2.0
	BC–1	19.55	20.66	1.11
	BC–2	16.89	16.89	0
	BC–3	16.68	16.68	0
11/6/92	ES–1	18.52	18.53	.01
	ES–2	18.84	19.44	.60
	ES–3	18.84	19.84	0
	ES–4	18.94	18.94	0
	ES–5	17.60	20.92	3.32
	BC–1	18.24	20.69	2.45
	BC–2	15.98	15.98	0
	BC–3	16.81	16.81	0
01/07/93	ES–1	20.25	20.26	.01
	ES–2	20.05	20.40	.35
	ES–3	19.20	19.20	0
	ES–4	18.76	18.76	0
	ES–5	19.35	22.00	2.65
	BC–1	19.60	21.76	2.16
	BC–2	13.50	13.50	0
	BC–3	16.55	16.55	0
04/06/93	ES–1	17.08	17.88	0
	ES–2	18.20	18.31	0.11
	ES–3	15.92	15.92	0
	ES–4	17.26	17.26	0
	ES–5	17.28	17.28	0
	BC–1	18.26	18.26	0
	BC–2	15.20	15.20	0
	BC–3	15.44	15.44	0

TABLE 5
(Continued)

MONITORING WELL DATA SUMMARY

Date	Well Location	Depth to Liquid (Feet)	Depth to Water (Feet)	Free Product Thickness (Feet)
07/03/93	ES–1	18.68	18.68	0
	ES–2	19.31	19.32	0.01
	ES–3	18.12	18.12	0
	ES–4	18.08	18.08	0
	ES–5	19.50	19.50	0
	BC–1	19.05	19.15	0.10
	BC–2	17.75	17.75	0
	BC–3	16.81	16.81	0
10/07/93	ES–1	19.02	19.03	0.01
	ES–2	19.57	19.60	0.03
	ES–3	19.62	19.62	0
	ES–4	18.62	18.62	0
	ES–5	18.65	19.33	0.68
	ES–6	21.81	21.81	0
	ES–7	19.99	19.99	0
	ES–8	19.13	19.13	0
	ES–9	17.90	17.90	0
	ES–10	17.40	17.40	0
	ES–11	18.90	18.90	0
	BC–1	19.25	19.43	0.18
	BC–2	19.02	19.02	0
	BC–3	18.58	18.58	0
1/05/94	ES–1	18.96	18.96	0
	ES–2	19.57	19.61	0.04
	ES–3	19.52	19.52	0
	ES–4	18.55	18.55	0
	ES–5	18.42	19.75	1.33
	ES–6	21.76	21.76	0
	ES–7	19.90	19.90	0
	ES–8	19.10	19.10	0
	ES–9	17.80	17.80	0
	ES–10	17.27	17.27	0
	ES–11	18.86	18.86	0
	BC–1	19.25	19.42	0.17
	BC–2	16.76	16.76	0
	BC–3	17.51	17.51	0

TABLE 5
(Continued)

MONITORING WELL DATA SUMMARY

Date	Well Location	Depth to Liquid (Feet)	Depth to Water (Feet)	Free Product Thickness (Feet)
04/07/94	ES-1	18.50	18.68	0.18
	ES-2	19.10	19.19	0.09
	ES-3	19.00	19.00	0
	ES-4	18.80	18.80	0
	ES-5	18.37	18.38	0
	ES-6	21.30	21.30	0
	ES-7	19.44	19.44	0
	ES-8	18.44	18.44	0
	ES-9	17.24	17.24	0
	ES-10	16.74	16.74	0
	ES-11	18.38	18.38	0
	BC-1	18.10	18.20	0.10
	BC-2	NR	NR	NR
	BC-3	17.70	17.70	0
07/13/94	ES-1	NR	18.08	NR
	ES-2	NR	18.78	NR
	ES-3	18.71	18.71	0
	ES-4	18.13	18.13	0
	ES-5	NR	18.30	NR
	ES-6	21.40	21.40	0
	ES-7	19.11	19.11	0
	ES-8	18.50	18.50	0
	ES-9	17.40	17.40	0
	ES-10	16.10	16.10	0
	ES-11	18.60	18.60	0
	BC-1	NR	18.70	NR
	BC-2	17.10	17.10	0
	BC-3	18.10	18.10	0

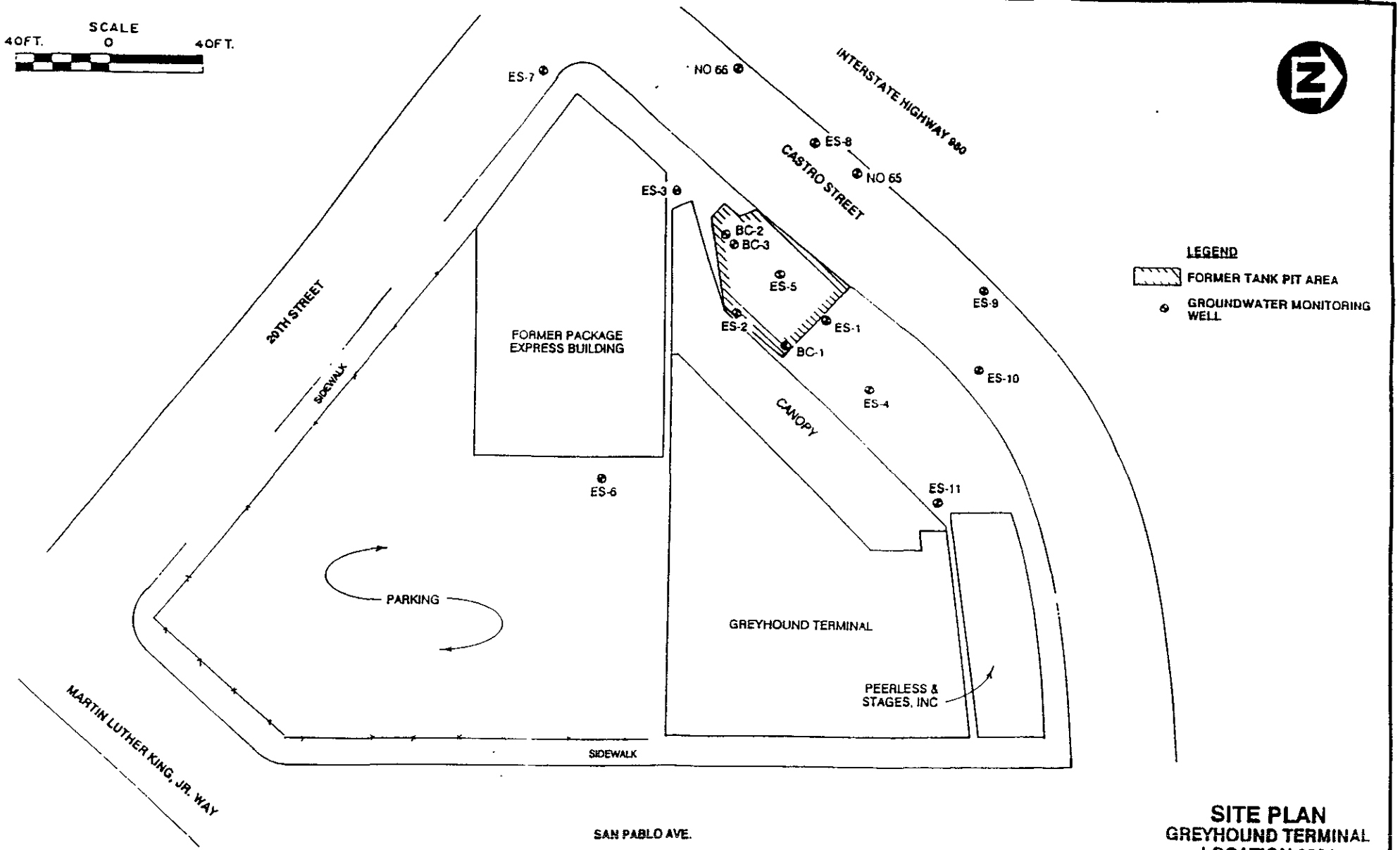
TABLE 5
(Continued)

MONITORING WELL DATA SUMMARY

Date	Well Location	Depth to Liquid (Feet)	Depth to Water (Feet)	Free Product Thickness (Feet)
10/06/94	ES-1	18.39	18.43	0.04
	ES-2	18.86	18.86	0
	ES-3	19.24	19.24	0
	ES-4	18.25	18.25	0
	ES-5	18.23	18.23	0
	ES-6	21.58	21.58	0
	ES-7	19.73	19.73	0
	ES-8	18.76	18.76	0
	ES-9	17.46	17.46	0
	ES-10	16.96	16.96	0
	ES-11	18.55	18.55	0
	BC-1	18.58	18.58	0
	BC-2	NM	NM	NM
	BC-3	18.58	18.58	0
10/06/94	ES-1	18.39	18.43	0.04
	ES-2	18.86	18.86	0
	ES-3	17.35	17.35	0
	ES-4	16.77	16.77	0
	ES-5	18.23	18.23	0
	ES-6	20.25	20.25	0
	ES-7	18.11	18.11	0
	ES-8	16.83	16.83	0
	ES-9	15.80	15.80	0
	ES-10	15.42	15.42	0
	ES-11	17.16	17.16	0
	BC-1	18.58	18.58	0
	BC-2	12.80	12.80	0
	BC-3	15.40	15.40	0

NR = Not recorded due to equipment theft.
NM – Not measured due to dry well.

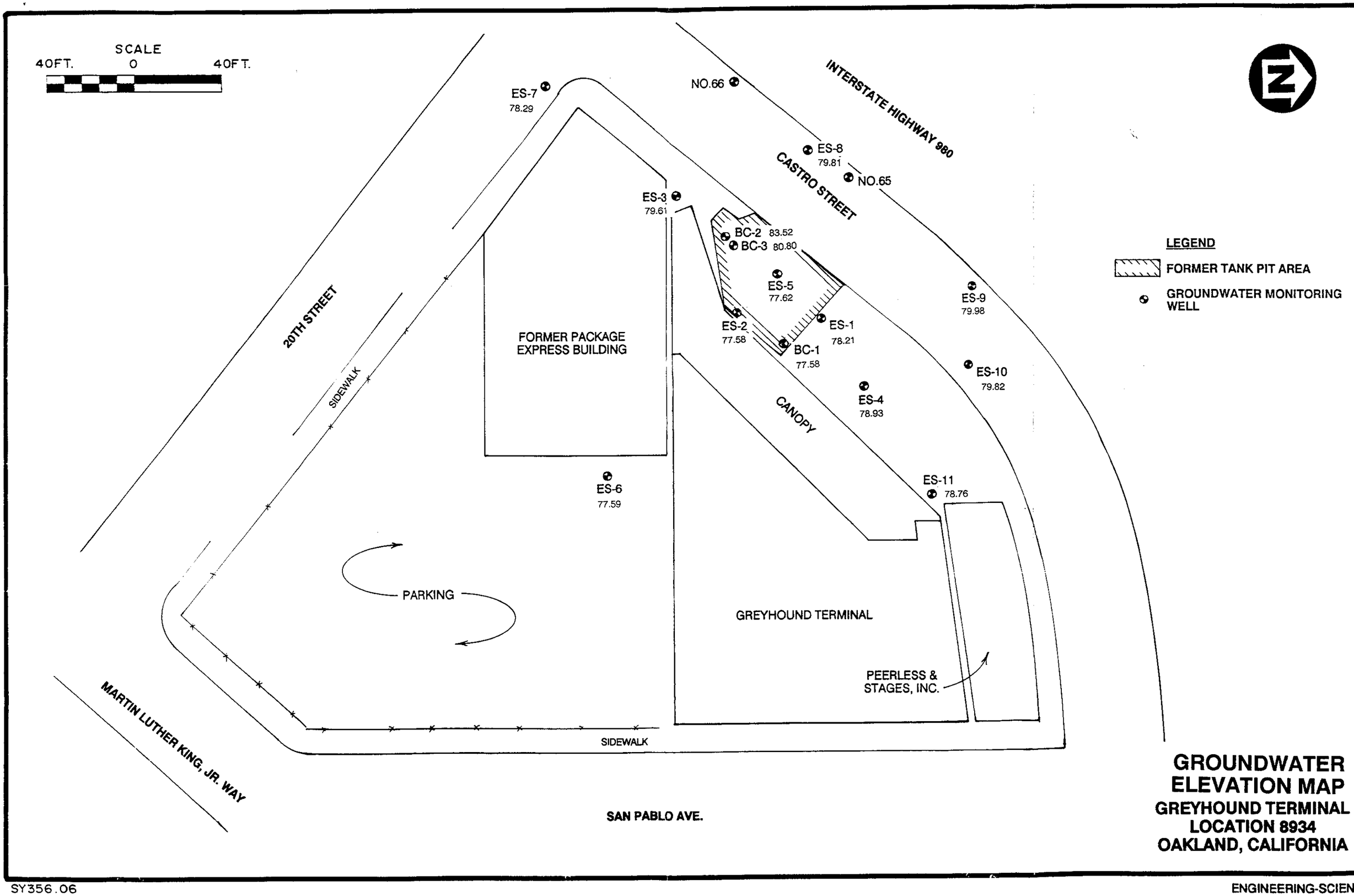
FIGURE 1



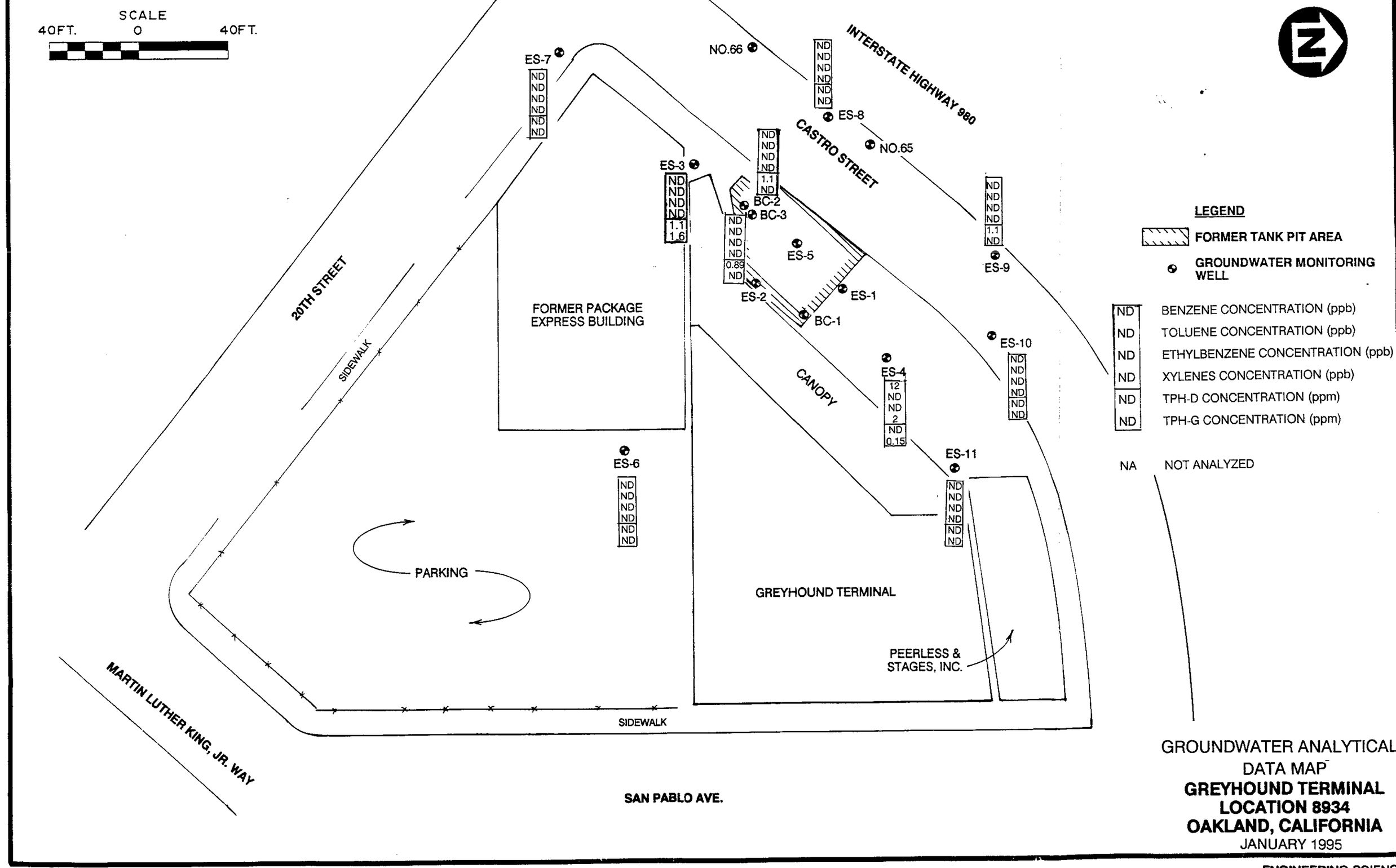
SITE PLAN
GREYHOUND TERMINAL
LOCATION 8934
OAKLAND, CALIFORNIA

SY356 06

ENGINEERING-SCIENCE

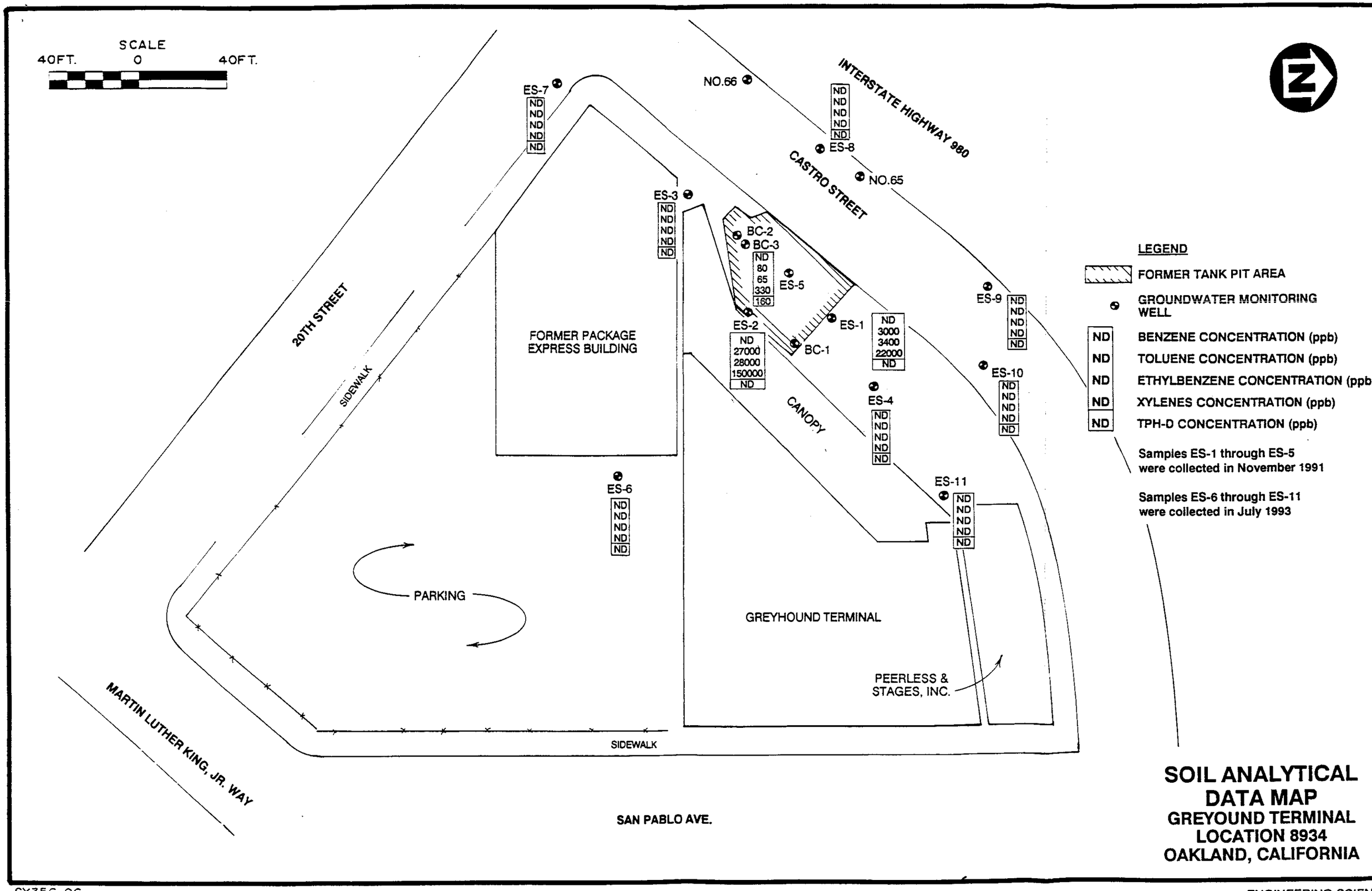


GROUNDWATER ELEVATION MAP
GREYHOUND TERMINAL
LOCATION 8934
OAKLAND, CALIFORNIA



GROUNDWATER ANALYTICAL DATA MAP

GREYHOUND TERMINAL
LOCATION 8934
OAKLAND, CALIFORNIA
JANUARY 1995



SOIL ANALYTICAL DATA MAP
GREYOUND TERMINAL
LOCATION 8934
OAKLAND, CALIFORNIA

APPENDIX A

ANALYTICAL LABORATORY REPORT AND CHAIN-OF-CUSTODY

HOUSTON LABORATORY
8880 INTERCHANGE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

SPL, INC.

REPORT APPROVAL SHEET

WORK ORDER NUMBER: 95 - 01 - 502

Approved for release by:

S. Sample, Laboratory Director Date: 1/31/95

K. Satterfield, Project Manager Date: 1/31/95

SPL®

Certificate of Analysis No. H9-9501502-01

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/28/95

PROJECT: Water Analysis
SITE: Greyhound Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-6

PROJECT NO: 725218.089343
MATRIX: LIQUID
DATE SAMPLED: 01/13/95 10:50:00
DATE RECEIVED: 01/14/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.3 P	µg/L
TOLUENE	ND	0.3 P	µg/L
ETHYLBENZENE	ND	0.3 P	µg/L
TOTAL XYLENE	ND	0.6 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	83		
4-Bromofluorobenzene	92		
METHOD 8020***			
Analyzed by: YN			
Date: 01/19/95			
Petroleum Hydrocarbons - Gasoline	ND	0.1 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	109		
4-Bromofluorobenzene	91		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 01/19/95			
Total Petroleum Hydrocarbons-Diesel	ND	0.1 P	mg/L

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, 17th 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 # 1903

Kara Satterfield
SPL, Inc., - Project Manager

SPL®

Certificate of Analysis No. H9-9501502-01

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/28/95

PROJECT: Water Analysis
SITE: Greyhound Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-6

PROJECT NO: 725218.089343
MATRIX: LIQUID
DATE SAMPLED: 01/13/95 10:50:00
DATE RECEIVED: 01/14/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Surrogate	**% Recovery**		
o-Terphenyl	102		
2-Fluorobiphenyl	100		
Mod. 8015 - Diesel			
Analyzed by: SEG			
Date: 01/19/95 13:37:00			
Liquid-liquid extraction	01/17/95		
METHOD 3510 ***			
Analyzed by: LJ			
Date: 01/17/95			

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th 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 # 1903

Karen Tattersall
SPL, Inc., - Project Manager

SPL®

Certificate of Analysis No. H9-9501502-02

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/28/95

PROJECT: Water Analysis
SITE: Greyhound Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-7

PROJECT NO: 725218.089343
MATRIX: LIQUID
DATE SAMPLED: 01/13/95 14:30:00
DATE RECEIVED: 01/14/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.3 P	µg/L
TOLUENE	ND	0.3 P	µg/L
ETHYLBENZENE	ND	0.3 P	µg/L
TOTAL XYLENE	ND	0.6 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	83		
4-Bromofluorobenzene	91		
METHOD 8020***			
Analyzed by: YN			
Date: 01/19/95			
Petroleum Hydrocarbons - Gasoline	ND	0.1 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	112		
4-Bromofluorobenzene	91		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 01/19/95			
Total Petroleum Hydrocarbons-Diesel	ND	0.1 P	mg/L

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, 17th 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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SPL, Inc., - Project Manager

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Certificate of Analysis No. H9-9501502-02

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/28/95

PROJECT: Water Analysis
SITE: Greyhound Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-7

PROJECT NO: 725218.089343
MATRIX: LIQUID
DATE SAMPLED: 01/13/95 14:30:00
DATE RECEIVED: 01/14/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Surrogate	**% Recovery**		
o-Terphenyl	90		
2-Fluorobiphenyl	91		
Mod. 8015 - Diesel			
Analyzed by: SEG			
Date: 01/19/95 13:37:00			
Liquid-liquid extraction	01/17/95		
METHOD 3510 ***			
Analyzed by: LJ			
Date: 01/17/95			

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th 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 # 1903

Karen Dalgleish
SPL, Inc., - Project Manager

SPL®

Certificate of Analysis No. H9-9501502-03

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/28/95

PROJECT: Water Analysis
SITE: Greyhound Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-8

PROJECT NO: 725218.089343
MATRIX: LIQUID
DATE SAMPLED: 01/13/95 15:30:00
DATE RECEIVED: 01/14/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.3 P	µg/L
TOLUENE	ND	0.3 P	µg/L
ETHYLBENZENE	ND	0.3 P	µg/L
TOTAL XYLENE	ND	0.6 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	84		
4-Bromofluorobenzene	93		
METHOD 8020***			
Analyzed by: YN			
Date: 01/19/95			
Petroleum Hydrocarbons - Gasoline	ND	0.1 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	108		
4-Bromofluorobenzene	91		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 01/19/95			
Total Petroleum Hydrocarbons-Diesel	ND	0.1 P	mg/L

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, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

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SPL, Inc., - Project Manager

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Certificate of Analysis No. H9-9501502-03

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/28/95

PROJECT: Water Analysis
SITE: Greyhound Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-8

PROJECT NO: 725218.089343
MATRIX: LIQUID
DATE SAMPLED: 01/13/95 15:30:00
DATE RECEIVED: 01/14/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Surrogate	**% Recovery**		
o-Terphenyl	92		
2-Fluorobiphenyl	96		
Mod. 8015 - Diesel			
Analyzed by: SEG			
Date: 01/19/95 13:37:00			
Liquid-liquid extraction	01/17/95		
METHOD 3510 ***			
Analyzed by: LJ			
Date: 01/17/95			

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

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SPL, Inc., - Project Manager

SPL®

Certificate of Analysis No. H9-9501502-04

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/28/95

PROJECT: Water Analysis
SITE: Greyhound Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-9

PROJECT NO: 725218.089343
MATRIX: LIQUID
DATE SAMPLED: 01/13/95 16:50:00
DATE RECEIVED: 01/14/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.3 P	µg/L
TOLUENE	ND	0.3 P	µg/L
ETHYLBENZENE	ND	0.3 P	µg/L
TOTAL XYLENE	ND	0.6 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	86		
4-Bromofluorobenzene	95		
METHOD 8020***			
Analyzed by: SLB			
Date: 01/21/95			
Petroleum Hydrocarbons - Gasoline	ND	0.1 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	108		
4-Bromofluorobenzene	91		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 01/19/95			
Total Petroleum Hydrocarbons-Diesel	1.1	0.1 P	mg/L

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, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

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SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9501502-04

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/28/95

PROJECT: Water Analysis
SITE: Greyhound Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-9

PROJECT NO: 725218.089343
MATRIX: LIQUID
DATE SAMPLED: 01/13/95 16:50:00
DATE RECEIVED: 01/14/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Surrogate	**% Recovery**		
o-Terphenyl	77		
2-Fluorobiphenyl	109		
Mod. 8015 - Diesel			
Analyzed by: SEG			
Date: 01/24/95 19:54:00			
Liquid-liquid extraction	01/17/95		
METHOD 3510 ***			
Analyzed by: LJ			
Date: 01/17/95			

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

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SPL, Inc., - Project Manager

SPL®

Certificate of Analysis No. H9-9501502-05

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/28/95

PROJECT: Water Analysis
SITE: Greyhound Oakland
SAMPLED BY: Provided by SPL
SAMPLE ID: Trip Blank

PROJECT NO: 725218.089343
MATRIX: LIQUID
DATE SAMPLED: 01/13/95
DATE RECEIVED: 01/14/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.3 P	µg/L
TOLUENE	ND	0.3 P	µg/L
ETHYLBENZENE	ND	0.3 P	µg/L
TOTAL XYLENE	ND	0.6 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	86		
4-Bromofluorobenzene	98		
METHOD 8020***			
Analyzed by: YN			
Date: 01/20/95			
Petroleum Hydrocarbons - Gasoline	ND	0.1 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	111		
4-Bromofluorobenzene	94		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 01/20/95			

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, 17th 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 # 1903

Tom Dalleyrel
SPL, Inc., - Project Manager

QUALITY CONTROL

DOCUMENTATION

METHOD 8020

Matrix: Aqueous Batch Id: HP_J950119115000

Units: µg/L

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	50	100	61 - 123
Toluene	ND	50	52	104	62 - 122
EthylBenzene	ND	50	50	100	56 - 119
O Xylene	ND	50	50	100	32 - 160
M & P Xylene	ND	100	120	120	32 - 160

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
Benzene	ND	20	17	85.0	18	90.0	5.71	25	39 - 150
Toluene	ND	20	15	75.0	16	80.0	6.45	26	56 - 134
EthylBenzene	ND	20	13	65.0	15	75.0	14.3	38	61 - 128
O Xylene	ND	20	12	60.0	13	65.0	8.00	20	40 - 130
M & P Xylene	ND	40	26	65.0	29	72.5	10.9	20	43 - 152

Analyst. YN

Sequence Date: 01/19/95

SPL ID of sample spiked: 9501558-04A

Sample File ID: J___790.TX0

Method Blank File ID:

Blank Spike File ID: J___781.TX0

Matrix Spike File ID: J___815.TX0

Matrix Spike Duplicate File ID: J___816.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>] x 100

LCS % Recovery = (<1> / <3>) x 100

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

(**) = Source: SPL-Houston Historical Data

(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9501502-04A 9501567-05A 9501567-03A 9501567-02A
9501567-04A 9501567-06A 9501567-01A 9501502-05A
9501558-07A 9501567-07A 9501569-08A 9501502-01A
9501502-02A 9501502-03A 9501558-01A 9501558-03A
9501558-02A 9501558-05A 9501558-04A

Idelis Williams, QC Officer

Modified 8015 - Gasoline

Matrix: Aqueous Batch Id: HP_J950119131400

Units: mg/L

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Petroleum Hydrocarbons	ND	0.9	1.01	112	56 - 139

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
Petroleum Hydrocarbons	ND	0.9	0.61	67.8	0.62	68.9	1.61	18	40 - 158

Analyst: YN

Sequence Date: 01/19/95

SPL ID of sample spiked: 9501502-02A

Sample File ID: JJ__796.TX0

Method Blank File ID:

Blank Spike File ID: JJ__784.TX0

Matrix Spike File ID: JJ__817.TX0

Matrix Spike Duplicate File ID: JJ__818.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>] x 100

LCS % Recovery = (<1> / <3>) x 100

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

(**) = Source: SPL-Houston Historical Data

(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9501567-05A 9501567-03A 9501567-02A 9501567-04A
9501567-06A 9501567-01A 9501502-05A 9501558-07A
9501567-07A 9501569-08A 9501502-04A 9501502-01A
9501502-02A 9501502-03A 9501558-01A 9501558-03A
9501558-02A 9501558-05A 9501558-04A

Idelis Williams, QC Officer

METHOD 8020/602

Matrix: Aqueous Batch Id: HP_J950120124100

Units: µg/L

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
MTBE	ND	50	49	98.0	56 - 135
Benzene	ND	50	45	90.0	61 - 123
Toluene	ND	50	46	92.0	62 - 122
EthylBenzene	ND	50	45	90.0	56 - 119
O Xylene	ND	50	45	90.0	32 - 160
M & P Xylene	ND	100	110	110	32 - 160

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
MTBE	ND	20	12	60.0	12	60.0	0	20	39 - 150
Benzene	ND	20	21	105	22	110	4.65	33	39 - 150
Toluene	ND	20	21	105	20	100	4.88	35	56 - 134
EthylBenzene	ND	20	20	100	19	95.0	5.13	40	61 - 128
O Xylene	ND	20	18	90.0	16	80.0	11.8	29	40 - 130
M & P Xylene	ND	40	40	100	34	85.0	16.2	20	43 - 152

Analyst: SLB

Sequence Date: 01/20/95

SPL ID of sample spiked: 9501546-05A

Sample File ID: J___830.TX0

Method Blank File ID:

Blank Spike File ID: J___820.TX0

Matrix Spike File ID: J___826.TX0

Matrix Spike Duplicate File ID: J___827.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>] x 100

LCS % Recovery = (<1> / <3>) x 100

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

(**) = Source: SPL-Houston Historical Data

(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9501655-02A 9501655-01A 9501569-03A 9501569-06A
9501569-05A 9501569-02A 9501569-07A 9501569-04A
9501546-02A 9501546-01A 9501498-15A 9501546-06A
9501546-05A

Idelis Williams, QC Officer

Modified 8015 - Gasoline

Matrix: Aqueous
Units: mg/L

Batch Id: HP_J950120130900

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Petroleum Hydrocarbons	ND	0.9	0.89	98.9	56 - 139

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
Petroleum Hydrocarbons	ND	0.9	0.80	88.9	0.82	91.1	2.44	18	40 - 158

Analyst: SLB
Sequence Date: 01/20/95
SPL ID of sample spiked: 9501546-06A
Sample File ID: JJ__831.TX0
Method Blank File ID:
Blank Spike File ID: JJ__821.TX0
Matrix Spike File ID: JJ__828.TX0
Matrix Spike Duplicate File ID: JJ__829.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>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5) x 100
(**) = Source: SPL-Houston Historical Data
(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9501655-02A 9501655-01A 9501569-03A 9501569-06A
9501569-05A 9501569-02A 9501569-07A 9501569-04A
9501546-02A 9501546-01A 9501498-15A 9501546-06A
9501546-05A

Idelis Williams, QC Officer

Matrix: Aqueous
Units: µg/L

Batch Id: HP_J950121060700

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	45	90.0	61 - 123
Toluene	ND	50	45	90.0	62 - 122
EthylBenzene	ND	50	45	90.0	56 - 119
O Xylene	ND	50	45	90.0	32 - 160
M & P Xylene	ND	100	110	110	32 - 160

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
Benzene	*ND*	20	14	70.0	20	100	35.3 *	25	39 - 150
Toluene	ND	20	15	75.0	20	100	28.6 *	26	56 - 134
EthylBenzene	ND	20	14	70.0	20	100	35.3	38	61 - 128
O Xylene	ND	20	14	70.0	19	95.0	30.3 *	20	40 - 130
M & P Xylene	ND	40	31	77.5	42	105	30.1 *	20	43 - 152

Analyst: SLB
Sequence Date: 01/21/95
SPL ID of sample spiked: 9501655-03A
Sample File ID: J___867.TX0
Method Blank File ID:
Blank Spike File ID: J___856.TX0
Matrix Spike File ID: J___863.TX0
Matrix Spike Duplicate File ID: J___864.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>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data
(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9501655-16A 9501655-15A 9501655-14A 9501655-13A
9501655-12A 9501655-11A 9501655-10A 9501655-09A
9501655-08A *9501655-07A* *9501655-06A* 9501655-05A
9501569-01A 9501698-01A 9501502-04A 9501655-04A
9501655-03A

Idelis Williams, QC Officer

Modified 8015 - Gasoline

Matrix: Aqueous
Units: mg/L

Batch Id: HP_J950121063500

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Petroleum Hydrocarbons	ND	0.9	1.03	114	56 - 139

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
Petroleum Hydrocarbons	ND	0.9	0.86	95.6	0.86	95.6	0	18	40 - 158

Analyst: SLB
Sequence Date: 01/21/95
SPL ID of sample spiked: 9501655-04A
Sample File ID: JJ__868.TX0
Method Blank File ID:
Blank Spike File ID: JJ__857.TX0
Matrix Spike File ID: JJ__865.TX0
Matrix Spike Duplicate File ID: JJ__866.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>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data
(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9501655-16A 9501655-15A 9501655-14A 9501655-13A
9501655-12A 9501655-11A 9501655-10A 9501655-09A
9501655-08A 9501655-07A 9501655-06A 9501655-05A
9501569-01A 9501698-01A 9501546-03A 9501546-07A
9501546-04A 9501502-04A 9501655-04A 9501655-03A

Idelis Williams, QC Officer

CHAIN OF CUSTODY

AND

SAMPLE RECEIPT CHECKLIST

9501502

Page 1 of 1

Environmental Laboratory
8880 Interchange Drive
Houston, Texas 77054
713/660-0901

Analysis Request and Chain of Custody Record

Project No.	Client/Project Name	Project Location
725218.089 343	Greyhound Oakland	Engineering Science Syracuse

Field Sample No./ Identification	Date and Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, Etc.)	Preservative	ANALYSIS REQUESTED	LABORATORY REMARKS
MW-6	01/13/95 1050			1 L Amb + 3 VOAs	H_2O	HCl	TPH diesel, TPH gas & BTXE (8020)	
MW-7	1430			↓	↓	↓	↓	
MW-8	1530			↓	↓	↓	↓	
MW-9	1650			↓	↓	↓	↓	
Trip Blank				2 VOAs	↓	↓	Hold as per protocol	

Samplers. (Signature)	Relinquished by: (Signature)	Date: 01/13/95 Time: 1740	Received by: (Signature)	Date: Time.	Intact
AC Peel	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact
Affiliation	Relinquished by. (Signature)	Date: Time.	Received by: (Signature)	Date: Time:	Intact 4°C
SAMPLER REMARKS:			Received for laboratory: (Signature)	Date: 1/14/95 Time. 10:30	Laboratory No.
Seal #			Data Results to:		

SPL HOUSTON ENVIRONMENTAL LABORATORY

SAMPLE LOGIN CHECKLIST

DATE: 1/14/95 TIME: 10:30 CLIENT NO. _____
LOT NO. _____ CONTRACT NO. _____

CLIENT SAMPLE NOS. _____

SPL SAMPLE NOS.: 950/502

	YES	NO
1. Is a Chain-of-Custody form present?	✓	
2. Is the COC properly completed?	✓	
If no, describe what is incomplete:		
If no, has the client been contacted about it?		
(Attach subsequent documentation from client about the situation)		
3. Is airbill/packing list/bill of lading with shipment?	✓	
If yes, ID#: Fedex 3449881824		
4. Is a USEPA Traffic Report present?		✓
5. Is a USEPA SAS Packing List present?		✓
6. Are custody seals present on the package?	✓	
If yes, were they intact upon receipt?	✓	
7. Are all samples tagged or labeled?	✓	
Do the sample tags/labels match the COC?	✓	
If no, has the client been contacted about it?		
(Attach subsequent documentation from client about the situation)		
8. Do all shipping documents agree?	✓	
If no, describe what is in nonconformity:		

9. Condition/temperature of shipping container: Intact, 4°C
10. Condition/temperature of sample bottles: Good, 4°
11. Sample Disposal?: SPL disposal ✓ Return to client _____

NOTES (reference item number if applicable): _____

ATTEST: E. Brown DATE: 1/14/95
DELIVERED FOR RESOLUTION: REC'D _____ DATE: _____
RESOLVED: _____ DATE: _____

HOUSTON LABORATORY
8880 INTERCHANGE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

SPL, INC.

REPORT APPROVAL SHEET

WORK ORDER NUMBER: 95 - 01 - 558

Approved for release by:

M. Scott Sample

M. Scott Sample, Laboratory Director *Date:* 1/31/95

Karen Satterfield

Karen Satterfield, Project Manager *Date:* 1/30/95

Certificate of Analysis No. H9-9501558-03

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/30/95

PROJECT: Water Analysis
SITE: Greyhound, Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-3

PROJECT NO: 725218.08934
MATRIX: LIQUID
DATE SAMPLED: 01/16/95 12:00:00
DATE RECEIVED: 01/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	19	0.3 P	µg/L
TOLUENE	15	0.3 P	µg/L
ETHYLBENZENE	72	0.3 P	µg/L
TOTAL XYLENE	88	0.6 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	194		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	120		
4-Bromofluorobenzene	115		
METHOD 8020***			
Analyzed by: YN			
Date: 01/19/95			
Petroleum Hydrocarbons - Gasoline	1.6	0.1 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	124		
4-Bromofluorobenzene	181 «		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 01/19/95			
Total Petroleum Hydrocarbons-Diesel	1.1	1.0 P	mg/L

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th 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 # 1903

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9501558-03

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/30/95

PROJECT: Water Analysis
SITE: Greyhound, Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-3

PROJECT NO: 725218.08934
MATRIX: LIQUID
DATE SAMPLED: 01/16/95 12:00:00
DATE RECEIVED: 01/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Surrogate	**% Recovery**		
o-Terphenyl	40		
2-Fluorobiphenyl	127		
Mod. 8015 - Diesel			
Analyzed by: SEG			
Date: 01/23/95 16:06:00			
Liquid-liquid extraction	01/19/95		
METHOD 3510 ***			
Analyzed by: RS			
Date: 01/19/95			

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th 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 # 1903

Ken Sottegui
SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9501558-06

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/30/95

PROJECT: Water Analysis
SITE: Greyhound, Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-4

PROJECT NO: 725218.08934
MATRIX: LIQUID
DATE SAMPLED: 01/16/95 13:50:00
DATE RECEIVED: 01/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	12	0.3 P	µg/L
TOLUENE	ND	0.3 P	µg/L
ETHYLBENZENE	ND	0.3 P	µg/L
TOTAL XYLENE	2	0.6 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	14		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	89		
4-Bromofluorobenzene	89		
METHOD 8020***			
Analyzed by: YN			
Date: 01/19/95			
Petroleum Hydrocarbons - Gasoline	0.15	0.1 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	123		
4-Bromofluorobenzene	93		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 01/19/95			
Total Petroleum Hydrocarbons-Diesel	ND	0.1 P	mg/L

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

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th 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 # 1903

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9501558-06

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/30/95

PROJECT: Water Analysis
SITE: Greyhound, Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-4

PROJECT NO: 725218.08934
MATRIX: LIQUID
DATE SAMPLED: 01/16/95 13:50:00
DATE RECEIVED: 01/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Surrogate	**% Recovery**		
o-Terphenyl	87		
2-Fluorobiphenyl	86		
Mod. 8015 - Diesel			
Analyzed by: SEG			
Date: 01/23/95 16:06:00			
Liquid-liquid extraction	01/19/95		
METHOD 3510 ***			
Analyzed by: RS			
Date: 01/19/95			

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th 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 # 1903

Kim Vallejo
SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9501558-01

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/30/95

PROJECT: Water Analysis
SITE: Greyhound, Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-10

PROJECT NO: 725218.08934
MATRIX: LIQUID
DATE SAMPLED: 01/16/95 09:15:00
DATE RECEIVED: 01/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.3 P	µg/L
TOLUENE	ND	0.3 P	µg/L
ETHYLBENZENE	ND	0.3 P	µg/L
TOTAL XYLENE	ND	0.6 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	84		
4-Bromofluorobenzene	93		
METHOD 8020***			
Analyzed by: YN			
Date: 01/19/95			
Petroleum Hydrocarbons - Gasoline	ND	0.1 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	113		
4-Bromofluorobenzene	94		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 01/19/95			
Total Petroleum Hydrocarbons-Diesel	ND	0.1 P	mg/L

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, 17th 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 # 1903

Karen Dalton

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9501558-01

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/30/95

PROJECT: Water Analysis
SITE: Greyhound, Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-10

PROJECT NO: 725218.08934
MATRIX: LIQUID
DATE SAMPLED: 01/16/95 09:15:00
DATE RECEIVED: 01/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Surrogate	**% Recovery**		
o-Terphenyl	78		
2-Fluorobiphenyl	107		
Mod. 8015 - Diesel			
Analyzed by: SEG			
Date: 01/23/95 16:06:00			
Liquid-liquid extraction	01/19/95		
METHOD 3510 ***			
Analyzed by: RS			
Date: 01/19/95			

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th 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 # 1903

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9501558-02

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/30/95

PROJECT: Water Analysis
SITE: Greyhound, Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-11

PROJECT NO: 725218.08934
MATRIX: LIQUID
DATE SAMPLED: 01/16/95 10:30:00
DATE RECEIVED: 01/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.3 P	µg/L
TOLUENE	ND	0.3 P	µg/L
ETHYLBENZENE	ND	0.3 P	µg/L
TOTAL XYLENE	ND	0.6 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	84		
4-Bromofluorobenzene	90		
METHOD 8020***			
Analyzed by: YN			
Date: 01/19/95			
Petroleum Hydrocarbons - Gasoline	ND	0.1 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	112		
4-Bromofluorobenzene	91		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 01/19/95			
Total Petroleum Hydrocarbons-Diesel	ND	0.1 P	mg/L

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, 17th 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 # 1903

Karen Dettmer

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9501558-02

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/30/95

PROJECT: Water Analysis
SITE: Greyhound, Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: MW-11

PROJECT NO: 725218.08934
MATRIX: LIQUID
DATE SAMPLED: 01/16/95 10:30:00
DATE RECEIVED: 01/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Surrogate	**% Recovery**		
o-Terphenyl	79		
2-Fluorobiphenyl	90		
Mod. 8015 - Diesel			
Analyzed by: SEG			
Date: 01/23/95 16:06:00			
Liquid-liquid extraction	01/19/95		
METHOD 3510 ***			
Analyzed by: RS			
Date: 01/19/95			

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th 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 # 1903

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9501558-05

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/30/95

PROJECT: Water Analysis
SITE: Greyhound, Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: BC-2

PROJECT NO: 725218.08934
MATRIX: LIQUID
DATE SAMPLED: 01/16/95 12:55:00
DATE RECEIVED: 01/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.3 P	µg/L
TOLUENE	ND	0.3 P	µg/L
ETHYLBENZENE	ND	0.3 P	µg/L
TOTAL XYLENE	ND	0.6 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	83		
4-Bromofluorobenzene	88		
METHOD 8020***			
Analyzed by: YN			
Date: 01/19/95			
Petroleum Hydrocarbons - Gasoline	ND	0.1 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	112		
4-Bromofluorobenzene	89		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 01/19/95			
Total Petroleum Hydrocarbons-Diesel	1.1	0.1 P	mg/L

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, 17th 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 # 1903

Karen Lattayer
SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9501558-05

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/30/95

PROJECT: Water Analysis
SITE: Greyhound, Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: BC-2

PROJECT NO: 725218.08934
MATRIX: LIQUID
DATE SAMPLED: 01/16/95 12:55:00
DATE RECEIVED: 01/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Surrogate	**% Recovery**		
o-Terphenyl	CI		
2-Fluorobiphenyl	137		
Mod. 8015 - Diesel			
Analyzed by: SEG			
Date: 01/23/95 16:06:00			
Liquid-liquid extraction	01/19/95		
METHOD 3510 ***			
Analyzed by: RS			
Date: 01/19/95			

CI - Coeluting interference.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th 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 # 1903

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9501558-04

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/30/95

PROJECT: Water Analysis
SITE: Greyhound, Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: BC-3

PROJECT NO: 725218.08934
MATRIX: LIQUID
DATE SAMPLED: 01/16/95 12:40:00
DATE RECEIVED: 01/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.3 P	µg/L
TOLUENE	ND	0.3 P	µg/L
ETHYLBENZENE	ND	0.3 P	µg/L
TOTAL XYLENE	ND	0.6 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	84		
4-Bromofluorobenzene	99		
METHOD 8020***			
Analyzed by: YN			
Date: 01/19/95			
Petroleum Hydrocarbons - Gasoline	ND	0.1 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	112		
4-Bromofluorobenzene	102		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 01/19/95			
Total Petroleum Hydrocarbons-Diesel	0.89	0.1 P	mg/L

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, 17th 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 # 1903

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9501558-04

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/30/95

PROJECT: Water Analysis
SITE: Greyhound, Oakland
SAMPLED BY: Engineering Science
SAMPLE ID: BC-3

PROJECT NO: 725218.08934
MATRIX: LIQUID
DATE SAMPLED: 01/16/95 12:40:00
DATE RECEIVED: 01/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Surrogate	**% Recovery**		
o-Terphenyl	CI		
2-Fluorobiphenyl	118		
Mod. 8015 - Diesel			
Analyzed by: SEG			
Date: 01/23/95 16:06:00			
Liquid-liquid extraction	01/19/95		
METHOD 3510 ***			
Analyzed by: RS			
Date: 01/19/95			

CI - Coeluting interference.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th 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 # 1903

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9501558-07

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/30/95

PROJECT: Water Analysis
SITE: Greyhound, Oakland
SAMPLED BY: Provided by SPL
SAMPLE ID: Trip Blank

PROJECT NO: 725218.08934
MATRIX: LIQUID
DATE SAMPLED: 01/16/95
DATE RECEIVED: 01/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.3 P	µg/L
TOLUENE	ND	0.3 P	µg/L
ETHYLBENZENE	ND	0.3 P	µg/L
TOTAL XYLENE	ND	0.6 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	83		
4-Bromofluorobenzene	94		
METHOD 8020***			
Analyzed by: YN			
Date: 01/20/95			
Petroleum Hydrocarbons - Gasoline	ND	0.1 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	114		
4-Bromofluorobenzene	97		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 01/20/95			

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, 17th 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 # 1903

Kam Dalegrud
SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9501558-08

Engineering Science, Inc.
290 Elwood Davis Rd
Liverpool, NY 13088
ATTN: Martin Miller

DATE: 01/30/95

PROJECT: Water Analysis
SITE: Greyhound, Oakland
SAMPLED BY: Provided by SPL
SAMPLE ID: Ambient Blank

PROJECT NO: 725218.08934
MATRIX: LIQUID
DATE SAMPLED: 01/17/95
DATE RECEIVED: 01/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.3 P	µg/L
TOLUENE	ND	0.3 P	µg/L
ETHYLBENZENE	ND	0.3 P	µg/L
TOTAL XYLENE	ND	0.6 P	µg/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	84		
4-Bromofluorobenzene	91		
METHOD 8020***			
Analyzed by: YN			
Date: 01/19/95			
Petroleum Hydrocarbons - Gasoline	ND	0.1 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	101		
4-Bromofluorobenzene	81		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 01/19/95			

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, 17th 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 # 1903

SPL, Inc., - Project Manager

QUALITY CONTROL

DOCUMENTATION

METHOD 8020

Matrix: Aqueous Batch Id: HP_J950118173000

Units: µg/L

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	46	92.0	61 - 123
Toluene	ND	50	49	98.0	62 - 122
EthylBenzene	ND	50	46	92.0	56 - 119
O Xylene	ND	50	47	94.0	32 - 160
M & P Xylene	ND	100	110	110	32 - 160

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
Benzene	ND	20	21	105	20	100	4.88	25	39 - 150
Toluene	ND	20	20	100	19	95.0	5.13	26	56 - 134
EthylBenzene	ND	20	19	95.0	19	95.0	0	38	61 - 128
O Xylene	ND	20	17	85.0	17	85.0	0	20	40 - 130
M & P Xylene	ND	40	39	97.5	38	95.0	2.60	20	43 - 152

Analyst: YN

Sequence Date: 01/18/95

SPL ID of sample spiked: 9501504-01A

Sample File ID: J___751.TXO

Method Blank File ID:

Blank Spike File ID: J___743.TXO

Matrix Spike File ID: J___777.TXO

Matrix Spike Duplicate File ID: J___778.TXO

* = 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>] x 100

LCS % Recovery = (<1> / <3>) x 100

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

(**) = Source: SPL-Houston Historical Data

(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9501516-01A	9501558-08A	9501558-06A	9501498-13A
9501498-17A	9501498-14A	9501498-16A	9501498-04A
9501513-08A	9501503-04A	9501503-01A	9501503-02A
9501498-01A	9501513-09A	9501503-07A	9501503-06A
9501504-03A	9501504-02A	9501504-01A	

Idelis Williams, QC Officer

Modified 8015 - Gasoline

Matrix: Aqueous Batch Id: HP_J950118182600

Units: mg/L

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Petroleum Hydrocarbons	ND	0.9	1.00	111	56 - 139

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
Petroleum Hydrocarbons	.15	0.9	.82	74.4	1.22	119	46.1 *	18	40 - 158

Analyst: YN

Sequence Date: 01/18/95

SPL ID of sample spiked: 9501558-06A

Sample File ID: JJ__774.TX0

Method Blank File ID:

Blank Spike File ID: JJ__746.TX0

Matrix Spike File ID: JJ__779.TX0

Matrix Spike Duplicate File ID: JJ__780.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>] x 100

LCS % Recovery = (<1> / <3>) x 100

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

(**) = Source: SPL-Houston Historical Data

(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9501516-01A 9501558-08A 9501558-06A 9501498-13A
9501498-17A 9501498-14A 9501498-16A 9501498-04A
9501513-08A 9501503-04A 9501503-01A 9501503-02A
9501498-01A 9501513-09A 9501503-07A 9501503-06A
9501504-03A 9501504-02A 9501504-01A

Idelis Williams, QC Officer

METHOD 8020

Matrix: Aqueous **Batch Id:** HP_J950119115000

Units: µg/L

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	50	100	61 - 123
Toluene	ND	50	52	104	62 - 122
EthylBenzene	ND	50	50	100	56 - 119
O Xylene	ND	50	50	100	32 - 160
M & P Xylene	ND	100	120	120	32 - 160

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
Benzene	ND	20	17	85.0	18	90.0	5.71	25	39 - 150
Toluene	ND	20	15	75.0	16	80.0	6.45	26	56 - 134
EthylBenzene	ND	20	13	65.0	15	75.0	14.3	38	61 - 128
O Xylene	ND	20	12	60.0	13	65.0	8.00	20	40 - 130
M & P Xylene	ND	40	26	65.0	29	72.5	10.9	20	43 - 152

Analyst: YN

Sequence Date: 01/19/95

SPL ID of sample spiked: 9501558-04A

Sample File ID: J___790.TXO

Method Blank File ID:

Blank Spike File ID: J___781.TXO

Matrix Spike File ID: J___815.TXO

Matrix Spike Duplicate File ID: J___816.TXO

* = 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>] x 100

LCS % Recovery = (<1> / <3>) x 100

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

(**) = Source: SPL-Houston Historical Data

(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9501502-04A 9501567-05A 9501567-03A 9501567-02A
9501567-04A 9501567-06A 9501567-01A 9501502-05A
9501558-07A 9501567-07A 9501569-08A 9501502-01A
9501502-02A 9501502-03A 9501558-01A 9501558-03A
9501558-02A 9501558-05A 9501558-04A

Idelis Williams, QC Officer

Modified 8015 - Gasoline

Matrix: Aqueous **Batch Id:** HP_J950119131400

Units: mg/L

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Petroleum Hydrocarbons	ND	0.9	1.01	112	56 - 139

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
Petroleum Hydrocarbons	ND	0.9	0.61	67.8	0.62	68.9	1.61	18	40 - 158

Analyst: YN

Sequence Date: 01/19/95

SPL ID of sample spiked: 9501502-02A

Sample File ID: JJ__796.TXO

Method Blank File ID:

Blank Spike File ID: JJ__784.TXO

Matrix Spike File ID: JJ__817.TXO

Matrix Spike Duplicate File ID: JJ__818.TXO

* = 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>] x 100

LCS % Recovery = (<1> / <3>) x 100

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

(**) = Source: SPL-Houston Historical Data

(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9501567-05A	9501567-03A	9501567-02A	9501567-04A
9501567-06A	9501567-01A	9501502-05A	9501558-07A
9501567-07A	9501569-08A	9501502-04A	9501502-01A
9501502-02A	9501502-03A	9501558-01A	9501558-03A
9501558-02A	9501558-05A	9501558-04A	

Idelis Williams, QC Officer

Matrix: Aqueous
Sample ID: 950117CXB1
Batch ID: HP_T950123160600

Reported on: 01/30/95 10:10:48
Analyzed on: 01/23/95 16:06:00
Analyst: SEG

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Petroleum Hydrocarbons-Diesel (Water)
Mod. 8015 - Diesel

C O M P O U N D	Sample Value mg/L	Spike Added mg/L	MS % Recovery #	MSD % Recovery #	Relative % Difference #
Petroleum Hydrocarbons-Die	ND	5.12	92	87	6

NOTES

column to be used to flag recovery and RPD values with an asterisk
* values outside of QC Limits.

Idelis Williams, QC Officer

QUALITY CONTROL

DOCUMENTATION

CHAIN OF CUSTODY

AND

SAMPLE RECEIPT CHECKLIST

9501558

Environmental Laboratory
8880 Interchange Drive
Houston, Texas 77054
713/660-0901

Analysis Request and Chain of Custody Record

Project No.	Client/Project Name	Project Location
725218.08934	Greyhound Oakland	Engineering Science, Syracuse N.Y.

Field Sample No./ Identification	Date and Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, Etc.)	Preservative	ANALYSIS REQUESTED	LABORATORY REMARKS
MW-10	01/16/95 0915			3 VOAs 1 1L Amber	H_2O	HCl		
MW-11	1030			↓	↓	↓		
MW-3	1200			↓	↓	↓		
BL-3	1240	X		↓	↓	↓		
BL-2	1255	X		↓	↓	↓		
MW-4	1350			↓	↓	↓		
Trip Blanks	—			2 broken VOAs			Broken in transit to site	
Ambient Blanks	—			2 filled VOAs 2 empty VOAs	↓	↓	Poured directly into 2 VOAs. 2 empty VOAs also submitted	

Samplers: (Signature)	Relinquished by: (Signature)	Date: 01/16/95 Time: 1600	Received by: (Signature) (FedEx)	Date: Time:	Intact
Affiliation	Relinquished by: (Signature)	Date: Time:	Received by. (Signature)	Date: Time:	Intact
	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact 4°C
SAMPLER REMARKS.			Received for laboratory. (Signature)	Date: 1/17/95 Time: 10:30	Laboratory No.
Seal #			Data Results to:		

SPL HOUSTON ENVIRONMENTAL LABORATORY

SAMPLE LOGIN CHECKLIST

DATE: 1/17/95 TIME: 10:30 CLIENT NO. _____
LOT NO. _____ CONTRACT NO. _____

CLIENT SAMPLE NOS. _____

SPL SAMPLE NOS.: 9501558

		YES	NO
1.	Is a Chain-of-Custody form present?	/	
2.	Is the COC properly completed?	/	
	If no, describe what is incomplete:		
	If no, has the client been contacted about it?		
	(Attach subsequent documentation from client about the situation)		
3.	Is airbill/packing list/bill of lading with shipment?	/	
	If yes, ID#: FedEx 1154089370		
4.	Is a USEPA Traffic Report present?		/
5.	Is a USEPA SAS Packing List present?		/
6.	Are custody seals present on the package?	/	
	If yes, were they intact upon receipt?	/	
7.	Are all samples tagged or labeled?	/	
	Do the sample tags/labels match the COC?	/	
	If no, has the client been contacted about it?		
	(Attach subsequent documentation from client about the situation)		
8.	Do all shipping documents agree?	/	
	If no, describe what is in nonconformity:		

9. Condition/temperature of shipping container: Intact 4C
10. Condition/temperature of sample bottles: / Good 4C
11. Sample Disposal?: SPL disposal / Return to client ____

NOTES (reference item number if applicable): _____

ATTEST: G. Brown DATE: 1/17/95
DELIVERED FOR RESOLUTION: REC'D _____ DATE: _____
RESOLVED: _____ DATE: _____