PACIFIC
ENVIRONMENTAL
GROUP, INC.

January 31, 1996
Project 305-079.2E

Mr. R. Jeff Granberry
Shell Oil Products Company
P.O. Box 4023
Concord, California 94524

Re: Quarterly Report - Fourth Quarter 1995
Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California
WIC No 204-5508-5504

Dear Mr. Granberry:

The following presents the results of the fourth quarter 1995 monitoring program and status of remediation for the site referenced above. This letter has been prepared for Shell Oil Products Company (Shell) by Pacific Environmental Group, Inc. (PACIFIC).

REMEDIAL PROGRESS SUMMARY

Progress toward site remediation is presented in the following table.

	Total Mass Removed (pounds)	
Analyte	Fourth Quarter 1995	Cumulative
Soil Vapor Extraction		
TPPH	0.00*	707.05
Benzene	0.00*	6.88

TPPH = Total purgeable petroleum hydrocarbons
* = System not operated during current reporting period.

QUARTERLY MONITORING FINDINGS

Groundwater monitoring wells were gauged on October 18, 1995, and sampled on October 18 and 19, 1995, by Blaine Tech Services, Inc. (Blaine), at the direction of PACIFIC. Groundwater elevation contours for October 18, 1995, are shown on Figure 1; groundwater elevation data are presented in Table 1.

All groundwater samples were analyzed for the presence of total purgeable petroleum hydrocarbons (TPPH), benzene, toluene, ethylbenzene, and xylenes (BTEX compounds), and total extractable petroleum hydrocarbons (TEPH). TPPH, benzene, and TEPH concentrations for the October 1995 sampling event are shown on Figure 2. Corresponding groundwater analytical data are presented in Table 2. Blaine's groundwater sampling report, which includes field data and the certified analytical report, is presented as Attachment A.

SITE CONSTRUCTION SOIL DISPOSAL DOCUMENTATION

During car wash construction activities, soil generated during excavation activities was stockpiled on site. The soil was sampled and characterized for proper disposal. All soil was transported to BFI's Class III facility in Livermore, California. The following documents the soil removed from site:

- Approximately 30 cubic yards from two 20-yard bins were hauled by Laidlaw Environmental on September 26, 1995.
- Approximately 122 tons was hauled by Manley and Sons Trucking (Manley) on October 10, 1995.
- Approximately 38 tons was hauled by Manley on October 19, 1995.
- Approximately 88 tons was hauled by Manley on November 1, 1995.
- Approximately 58 tons was hauled by Manley on December 4, 1995.

Soil disposal confirmation documentation supplied by the hauler is presented in Attachment B.

REMEDIAL SYSTEM PERFORMANCE EVALUATION

Remedial System Description

The soil vapor extraction (SVE) system consisted of a 7.5-horsepower vacuum blower connected to four SVE wells (Wells VEW-1 through VEW-4). Extracted soil vapor was treated by catalytic oxidation before discharge to the atmosphere. A process flow diagram of the system is shown on Figure 3.

Remedial System Operation

SVE system operation began on August 30, 1993. On February 9, 1995, the SVE system was shut down due to high groundwater levels and low influent concentrations. The SVE system has been removed from the site.

Remedial Objectives

The remedial objective for the site was to reduce petroleum hydrocarbon concentrations in impacted soil and groundwater beneath the site. To evaluate progress toward meeting the remedial objective, the following system parameters were monitored during system operation:

- SVE system petroleum hydrocarbon mass removal rates,
- SVE well vapor composition,
- SVE system influence.

Progress toward meeting the remedial objectives for the site is discussed below.

Petroleum Hydrocarbon Mass Removal

Mass removal data for the remedial system are presented in the table at the beginning of this letter, in Table 3, and shown on Figure 4. SVE system hydrocarbon concentrations are shown on Figure 5.

SVE Well Vapor Composition

Individual SVE well analytical data are presented in Table 4.

SVE Influence

A Discussion of SVE system influence is contained in previous reports.

Dissolved Petroleum Hydrocarbon Concentration Trends

The groundwater concentrations of TPPH and benzene in all associated site wells appear to have been stabilized or reduced. Concentration trends are presented in Table 2.

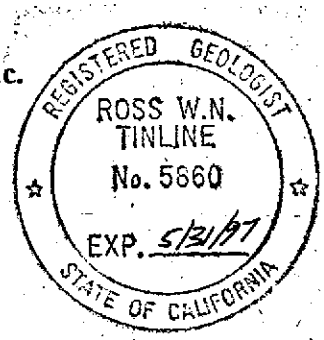
RECOMMENDATIONS

Based on the consistency of the low influent hydrocarbon concentrations (Figure 5), additional SVE is not recommended.

If you have any questions or comments regarding the contents of this letter, please call.

Sincerely,

Pacific Environmental Group, Inc.



Ross W. N. Tinline
Project Geologist
RG 5860

Attachments:
- Table 1 - Groundwater Elevation Data
- Table 2 - Groundwater Analytical Data - Total Petroleum Hydrocarbons (TPPH, BTEX Compounds, TEPH, and TPH as Motor Oil)
- Table 3 - Soil Vapor Extraction System Performance Data
- Table 4 - Vapor-Phase Analytical Data - Total Petroleum Hydrocarbons (TPPH and BTEX Compounds)
- Figure 1 - Groundwater Elevation Contour Map
- Figure 2 - TPPH/Benzene/TEPH Concentration Map
- Figure 3 - Soil Vapor Extraction Process Flow Diagram
- Figure 4 - Soil Vapor Extraction System Mass Removal Data
- Figure 5 - Soil Vapor Extraction System Hydrocarbon Concentrations
- Attachment A - Groundwater Sampling Report
- Attachment B - Soil Disposal Documentation

cc: Mr. Brad Boschetto, Shell Oil Products Company (without attachments)
Mr. Barney Chan, Alameda County Health Care Services Agency
Mr. Richard Hiett, Regional Water Quality Control Board - San Francisco Bay Region (without attachments)
Ms. Anne Singley, Shell Oil Products Company (without attachments)
Mr. Joseph J. Armayo, Heller, Ehrman, White and McAuliffe (without attachments)
Mr. Tom Fojut, Weiss Associates

Table 1
Groundwater Elevation Data

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-1	02/16/89	6.64	3.83	2.81
	05/23/89		3.59	3.05
	08/03/89		4.04	2.60
	12/15/89		4.22	2.42
	02/07/90		4.60	2.04
	04/18/90		4.02	2.62
	07/23/90		4.17	2.47
	09/27/90		4.60	2.04
	01/03/91		4.88	1.76
	04/10/91		3.55	3.09
	07/12/91		3.97	2.67
	10/08/91		4.26	2.38
	02/06/92		4.94	1.70
	05/04/92		3.58	3.06
	07/28/92		3.91	2.73
	10/27/92		4.79	1.85
	01/14/93		3.39	3.25
	04/23/93		2.67	3.97
	07/20/93	9.50	3.48	6.02
	10/18/93		4.20	5.30
	01/06/94		4.13	5.37
	04/12/94		2.42	7.08
	07/25/94		3.37	6.13
	10/25/94		4.07	5.43
	01/09/95		2.65	6.85
	04/11/95		2.38	7.12
	07/18/95		3.49	6.01
	10/18/95		-------- Well Inaccessible --------	
MW-2	02/16/89	7.68	5.33	2.35
	05/23/89		5.23	2.45
	08/03/89		6.03	1.65
	12/15/89		6.43	1.25
	02/07/90		5.82	1.86
	04/18/90		5.88	1.80
	07/23/90		6.05	1.63
	01/03/91		6.82	0.86
	04/10/91		4.80	2.88
	07/12/91		5.70	1.98
	10/08/91		6.40	1.28
	02/06/92		6.40	1.28
	05/04/92		4.68	3.00
	07/28/92		5.86	1.82
	10/27/92		6.96	0.72
	01/14/93		4.12	3.56
	04/23/93		3.84	3.84

Table 1 (continued)
Groundwater Elevation Data

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-2 (cont.)	07/20/93	10.55	5.17	5.38
	10/18/93		6.20	4.35
	01/06/94		5.39	5.16
	04/12/94		4.72	5.83
	07/25/94		5.44	5.11
	10/25/94		6.73	3.82
	01/09/95		4.34	6.21
	04/11/95		3.72	6.83
	07/18/95		4.91	5.64
	10/18/95		5.88	4.67
MW-3	02/16/89	7.81	5.17	2.64
	05/23/89		5.09	2.72
	08/03/89		5.34	2.47
	12/15/89		6.02	1.79
	02/07/90		4.95	2.86
	04/18/90		5.55	2.26
	07/23/90		5.81	2.00
	09/27/90		6.86	0.95
	01/03/91		6.84	0.97
	04/10/91		4.93	2.88
	07/12/91		5.56	2.25
	10/08/91		6.62	1.19
	02/06/92		6.28	1.53
	05/04/92		4.65	3.16
	07/28/92		5.56	2.25
	10/27/92		6.65	1.16
	01/14/93		3.88	3.93
	04/23/93		-------- Well Inaccessible --------	
	07/20/93	11.25 (TOB)	-------- Well Inaccessible --------	
	10/18/93		-------- Well Inaccessible --------	
	01/06/94		5.54	N/A
	04/12/94		4.82	N/A
	07/25/94		6.03 (TOB)	5.22
	10/25/94		6.48	N/A
	01/09/95		4.86 (TOB)	6.39
	04/11/95		4.22 (TOB)	7.03
	07/18/95		5.44 (TOB)	5.81
	10/18/95		5.72	N/A
MW-4	05/23/89	7.38	5.60	1.78
	08/03/89		6.37	1.01
	12/15/89		6.91	0.47
	03/08/90		6.06	1.32
	04/18/90		5.84	1.54

Table 1 (continued)
Groundwater Elevation Data

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-4 (cont.)	07/23/90		6.92	0.46
	07/23/90		6.92	0.46
	09/27/91		8.03	0.65
	01/03/91		7.54	-0.16
	04/10/91		5.06	2.32
	07/12/91		6.86	0.52
	10/08/91		7.44	-0.06
	02/06/92		7.29	0.09
	05/04/92		5.33	2.05
	07/28/92		6.95	0.43
	10/27/92		7.65	-0.27
	01/14/93		4.84	2.54
	04/23/93		4.84	2.54
	07/20/93	10.28	6.47	3.81
	10/18/93		7.35	2.93
	01/06/94		7.64	2.64
	04/12/94		6.39	3.89
	07/25/94		7.00	3.28
	10/25/94		7.53	2.75
	01/09/95		4.90	5.38
	04/11/95		5.04	5.24
	07/18/95		6.18	4.10
	10/18/95		6.63	3.65
MW-5	05/23/89	8.18	5.47	2.71
	08/03/89		5.94	2.24
	12/15/89		6.75	1.43
	02/07/90		6.03	2.15
	04/18/90		5.80	2.38
	07/23/90		6.00	2.18
	09/23/90		7.18	1.00
	01/03/91		7.17	1.01
	04/10/91		5.25	2.93
	07/12/91		5.70	2.48
	10/08/91		6.50	1.68
	02/06/92		6.35	1.83
	05/04/92		4.87	3.31
	07/28/92		5.73	2.45
	10/27/92		6.98	1.20
	01/14/93		4.70	3.48
	04/23/93		4.19	3.99
	07/20/93	10.87	5.10	5.77
	10/18/93		5.79	5.08
	01/06/94		5.56	5.31
	04/12/94		4.90	5.97
	07/25/94		5.38	5.49

Table 1 (continued)
Groundwater Elevation Data

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-5 (cont.)	10/25/94		6.16	4.71
	01/09/95		4.60	6.27
	04/11/95		3.74	7.13
	07/18/95		4.97	5.90
	10/18/95		5.67	5.20
MW-6	05/23/89	8.21	5.47	2.74
	08/03/89		5.91	2.30
	12/15/89		5.98	2.23
	02/07/90		5.47	2.74
	04/18/90		5.80	2.41
	07/23/90		5.85	2.36
	09/27/90		6.42	1.79
	01/03/91		6.73	1.48
	04/10/91		5.24	2.97
	07/12/91		5.78	2.43
	10/08/91		6.36	1.85
	02/06/92		6.15	2.06
	05/04/92		5.07	3.14
	07/28/92		5.85	2.36
	10/27/92		6.69	1.52
	01/14/93		4.52	3.69
	04/23/93		4.32	3.89
	07/20/93	11.04	5.39	5.65
	10/18/93		6.67	4.37
	01/06/94		5.66	5.38
	04/12/94		4.91	6.13
	07/25/94		5.55	5.49
	10/25/94		6.24	4.80
	01/09/95		4.58	6.46
	04/11/95		4.04	7.00
	07/18/95		5.01	6.03
	10/18/95		5.86	5.18
MW-7	05/23/89	7.44	5.48	1.96
	08/03/89		4.22	3.22
	12/15/89		4.58	2.86
	02/07/90		5.34	2.10
	04/18/90		4.92	2.52
	07/23/90		4.99	2.45
	09/27/90		6.16	1.28
	01/03/91		4.96	2.48
	04/10/91		4.13	3.31
	07/12/91		4.98	2.46
	10/08/91		5.48	1.96
	02/06/92		5.05	2.39

Table 1 (continued)
Groundwater Elevation Data

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-7 (cont.)	05/04/92		4.43	3.01
	07/28/92		4.88	2.56
	10/27/92		5.39	2.05
	01/14/93		4.26	3.18
	04/23/93		4.04	3.40
	07/20/93	10.28	4.36	5.92
	10/18/93		5.14	5.14
	01/06/94		4.83	5.45
	04/12/94		4.24	6.04
	07/25/94		4.58	5.70
	10/25/94		5.07	5.21
	01/09/95		3.38	6.90
	04/11/95		3.52	6.76
	07/18/95		4.70	5.58
	10/18/95		5.25	5.03
MW-8	05/23/89	7.79	6.62	1.17
	08/03/89		6.62	1.17
	12/15/89		6.71	1.08
	03/08/90		4.95	2.84
	04/18/90		6.40	1.89
	07/23/90		6.62	1.17
	09/27/90		6.98	0.81
	01/03/91		7.03	0.76
	04/10/91		4.40	3.39
	07/12/91		6.80	0.99
	10/08/91		7.56	0.23
	02/06/92		6.94	0.85
	05/04/92		5.86	1.93
	07/28/92		6.94	0.85
	10/27/92		7.83	-0.04
	01/14/93		3.60	4.19
	04/23/93		4.12	3.67
	07/20/93	10.61	6.38	4.23
	10/18/93		7.47	3.14
	01/06/94		7.20	3.41
	04/12/94		6.16	4.45
	07/25/94		6.94	3.67
	10/25/94		7.43	3.18
	01/09/95		3.98	6.63
	04/11/95		4.12	6.49
	07/18/95		5.21	5.40
	10/18/95		5.58	5.03
MW-9	08/03/89	7.63	5.78	1.85
	12/15/89		5.24	2.39
	02/07/90		5.23	2.40

Table 1 (continued)
Groundwater Elevation Data

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-9 (cont.)	04/18/90		5.34	2.29
	07/23/90		5.65	1.98
	09/27/90		5.96	1.67
	01/03/91		6.23	1.40
	04/10/91		4.65	2.98
	07/12/91		5.65	1.98
	10/08/91		6.08	1.55
	02/06/92		5.92	1.71
	05/04/92		4.80	2.83
	07/28/92		5.61	2.02
	10/27/92		6.24	1.39
	01/14/93		4.95	2.68
	04/23/93		4.54	3.09
	07/20/93	10.48	5.25	5.23
	10/18/93		6.00	4.48
	01/06/94		5.62	4.86
	04/12/94		4.31	6.17
	07/25/94		5.43	5.05
	10/25/94		6.00	4.48
	01/09/95		4.26	6.22
	04/11/95		4.08	6.40
	07/18/95		5.07	5.41
	10/18/95		5.82	4.66
MW-10	12/15/89	7.45	6.33	0.82
	03/08/90		5.41	2.00
	04/18/90		5.60	1.85
	07/23/90		5.81	1.64
	09/27/90		6.64	0.81
	01/03/91		6.96	0.49
	04/10/91		4.70	2.75
	07/12/91		5.90	1.55
	10/08/91		6.68	0.77
	02/06/92		7.04	0.41
	05/04/92		4.69	2.76
	07/28/92		6.00	1.45
	10/27/92		-------- Well Inaccessible --------	
	01/14/93		6.07	1.38
	04/23/93		4.14	3.31
	07/20/93	10.61	5.62	4.99
	10/18/93		6.43	4.18
	01/06/94		6.74	3.87
	04/12/94		5.98	4.63
	07/25/94		6.31	4.30
	10/25/94		6.64	3.97
	01/09/95		5.70	4.91

Table 1 (continued)
Groundwater Elevation Data

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-10 (cont.)	04/11/95		5.82	4.79
	07/18/95		6.79	3.82
	10/18/95		5.31	5.30
MW-11	07/20/93	10.56	8.08	2.48
	10/18/93		8.24	2.32
	01/06/94		8.47	2.09
	04/12/94		8.44	2.12
	07/25/94		8.20	2.36
	10/25/94		8.67	1.89
	01/09/95		7.63	2.93
	04/11/95		8.06	2.50
	07/18/95		9.31	1.25
	10/18/95		8.34	2.22
MW-12	07/20/93	9.56	6.76	2.80
	10/18/93		7.12	2.44
	01/06/94		7.15	2.41
	04/12/94		6.68	2.88
	07/25/94		6.83	2.73
	10/25/94		7.34	2.22
	01/09/95		5.02	4.54
	04/11/95		7.38	2.18
	07/18/95		8.50	1.06
	10/18/95		6.63	2.93
MW-13	07/20/93	10.10	8.32	1.78
	10/18/93		8.66	1.44
	01/06/94		8.70	1.40
	04/12/94		8.20	1.90
	07/25/94		8.39	1.71
	10/25/94		8.70	1.40
	01/09/95		7.35	2.75
	04/11/95		5.50	4.60
	07/18/95		6.63	3.47
	10/18/95		8.12	1.98

MSL = Mean sea level
TOC = Top of casing
TOB = Top of box elevation
N/A = Not available

Table 2
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPPH, BTEX Compounds, TEPH, and TPH as Motor Oil)

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Well Number	Date Sampled	TPPH (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Xylenes (ppm)	TEPH (ppm)		TPH as Motor Oil (ppm)
MW-1	02/16/92	99	20	23	5.7	23	NA		NA
	05/23/92	48	4.2	5.2	1.2	7.7	11		NA
	08/04/89	63	5.5	5.5	3.2	9.5	11		NA
	12/15/89	30	ND	ND	ND	ND	11		NA
	02/07/90	93	13	9.6	2.4	14	10		NA
	04/18/90	55	14	8.4	3.2	13	8.7		NA
	07/24/90	73	16	7.4	2.8	15	3.6		NA
	10/01/90	45	8	4.3	2	11	1.7		NA
	01/02/91	43	10	3.4	1.9	11	3.1		NA
	04/09/91	67	20	9.6	3.5	16	1.8		NA
	07/11/91	NR	NR	NR	NR	NR	NR		NA
	10/08/91	55	18	3.5	2.3	8.6	7.4		NA
	02/06/92	48	12	2.8	1.9	7.4	15	a	NA
	05/05/92	71	16	6	3.1	14	10	a	NA
	07/28/92	68	21	5.5	3.4	15	18	a	ND
	07/28/92(D)	70	17	5	2.7	13	19	a	ND
	10/27/92	53	18	3.7	3.4	11	1.3		NA
	10/27/92(D)	48	17	3.6	3.1	9.9	2.5	a	NA
	01/15/93	84	17	5.4	3	13	22	a	ND
	04/23/93	100	18	7.8	4.7	20	23	a	ND
	07/20/93	41 d	12	0.87	1.5	4.4	3.1	a	NA
	10/18/93	33	14	1.2	2	4.9	8.1	a	0.96
	10/18/93(D)	44	14	1.2	2	4.9	3.7	a	0.67
	01/06/94	71	9	0.87	1.6	5.1	9	a	ND
	04/12/94	42	6.6	0.17	2.3	4.7	5.9		2.5
	04/12/94(D)	40	6.3	0.18	2	4.4	4.7		2.2
	07/25/94	13	4.4	0.11	0.46	1.4	7.0	a	ND
	10/26/94	19	5.5	0.21	0.88	2	3.9		ND
	01/11/95	37	6.7	0.8	2.8	8.9	8.6	a	ND
	04/11/95	26	4.7	0.27	1.8	3.4	5.5		ND
	07/19/95	57	7.5	0.88	4.1	11	7.0		NC
	07/19/95(D)	46	6.0	0.67	3.2	7.5	6.6		NC
	10/18/95	Well Inaccessible Due to Construction							
MW-2	02/16/89	20	0.2	0.9	2.7	9.6	NA		NA
	05/23/89	1.5	0.0043	0.0029	0.011	0.15	1.6		NA
	08/04/89	15	0.075	0.12	0.85	2.2	7.4		NA
	12/15/89	5	0.052	0.013	0.0041	0.29	2.6		NA
	02/07/90	13	0.032	0.034	0.23	0.64	4.8		NA
	04/18/90	9.8	0.033	0.019	0.46	1.7	3.2		NA
	07/24/90	9.6	0.041	0.027	0.54	0.94	2.7		NA
	10/01/90	0.39	0.0034	0.015	0.0085	0.025	1.6		NA
	01/02/91	1.8	0.056	0.0044	0.0048	0.092	0.83		NA
	04/09/91	1.9	ND	0.028	0.14	0.49	0.28		NA
	07/11/91	8.1	0.089	0.066	0.35	0.93	1.1		NA
	10/08/91	1.4	0.0051	0.0015	0.036	0.27	2.6		NA
	02/06/92	2	0.0078	0.0025	0.13	0.21	5.4	a	NA
	05/05/92	21 b	ND	ND	0.3	0.96	1		NA
	07/28/92	2.1	0.0077	0.0033	0.13	0.31	0.83	a	0.32
	10/27/92	1.1	0.016	0.0031	0.0045	0.025	0.53		NA
	01/15/93+	0.29	0.0052	0.0031	0.0084	0.021	0.17	b	NA
	04/23/93	2.4	ND	ND	0.21	0.61	1.2	a	ND

Table 2 (continued)
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPPH, BTEX Compounds, TEPH, and TPH as Motor Oil)

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Well Number	Date Sampled	TPPH (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Xylenes (ppm)	TEPH (ppm)		TPH as Motor Oil (ppm)
MW-2	07/21/93	0.44	0.0017	0.0017	0.015	0.038	0.13		NA
(cont.)	10/18/93	2.1	ND	ND	0.09	0.11	1.6	a	0.51
	01/06/94	1.9 e	ND	0.0067	0.0071	0.012	0.13		ND
	04/12/94	0.12	ND	ND	0.0034	0.0043	0.13		0.17
	07/25/94	0.18 f	0.0053	ND	0.0062	0.0082	0.28	a	ND
	10/26/94	0.17	ND	ND	ND	ND	0.4		ND
	01/11/95	ND	ND	ND	ND	ND	ND		ND
	04/11/95	ND	ND	ND	ND	ND	ND		ND
	07/19/95	0.25	0.0028	0.0005	0.012	0.013	0.16		NC
	10/18/95	Well Inaccessible Due to Construction							
MW-3	02/16/89	60	5.5	0.2	3.2	5.2	NA		NA
	05/23/89	ND	ND	ND	ND	ND	1.5		NA
	08/04/89	2	0.12	0.012	ND	0.086	1.2		NA
	12/15/89	5.2	0.38	0.047	0.017	0.41	1.7		NA
	03/08/90	0.26	0.017	ND	0.0054	0.0025	0.23		NA
	04/19/90	0.26	ND	ND	ND	0.0094	ND		NA
	07/24/90	0.51	0.046	0.0012	ND	0.0093	0.21		NA
	09/28/90	0.46	0.0063	0.0017	ND	0.015	0.35		NA
	01/02/91	4.8	0.92	0.0088	ND	0.19	0.63		NA
	04/09/91	0.12	0.0012	0.0008	0.0035	0.021	0.06		NA
	07/11/91	0.43	0.012	ND	ND	0.0077	ND		NA
	10/08/91	0.77	0.14	0.0007	ND	0.053	0.56		NA
	02/06/91	0.5	0.074	0.0009	0.0052	0.0053	0.34	a	NA
	05/04/92	0.31	0.047	ND	0.017	0.016	0.29	a	NA
	07/28/92 **	0.78	0.13	ND	0.013	0.0042	0.1	a	0.12
	10/27/92 **	0.74	0.092	0.0028	0.0078	0.0096	0.069	a	0.1
	01/15/93	ND	0.0024	ND	ND	ND	ND		0.12
	04/23/93	Well Inaccessible							
	07/20/93	Well Inaccessible							
	10/18/93	Well Inaccessible							
	01/06/94	0.13	0.0017	ND	ND	0.00093	0.064		ND
	04/12/94	ND	0.00082	ND	ND	0.0007	0.075		0.086
	07/25/94	0.06 f	0.0028	ND	ND	0.0007	ND		ND
	10/26/94	0.07	ND	ND	ND	ND	0.1		ND
	01/11/95	ND	ND	ND	ND	ND	ND		ND
	04/11/95	ND	ND	ND	ND	ND	ND		ND
	07/19/95	ND	0.0028	ND	ND	ND	0.09		NC
	10/18/95	0.12	0.0042	ND	0.0008	ND	ND		NC
MW-4	05/23/89	ND	ND	ND	ND	ND	ND		NA
	08/04/89	ND	ND	ND	ND	ND	ND		NA
	12/15/89	ND	ND	ND	ND	ND	ND		NA
	03/08/90	ND	ND	ND	ND	ND	ND		NA
	07/25/90	ND	ND	ND	ND	ND	ND		NA
	09/28/90	ND	ND	ND	ND	ND	ND		NA
	04/09/91	ND	ND	ND	ND	ND	ND		NA
	07/11/91	ND	ND	ND	ND	ND	ND		NA
	10/08/91	ND	ND	ND	ND	ND	ND		NA
	02/06/92	0.12	ND	ND	ND	ND	2.5	a	NA
	05/04/92	ND	ND	ND	ND	ND	0.053		NA
	07/28/92	ND	ND	ND	ND	ND	0.06		ND

Table 2 (continued)
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPPH, BTEX Compounds, TEPH, and TPH as Motor Oil)

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Well Number	Date Sampled	TPPH (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Xylenes (ppm)	TEPH (ppm)		TPH as Motor Oil (ppm)
MW-4	10/27/92	ND	ND	ND	ND	ND	ND		NA
(cont.)	01/14/93	ND	ND	ND	ND	ND	ND		0.12
	04/23/93	ND	ND	ND	ND	ND	ND		0.17
	07/21/93	ND	0.0022	0.0012	0.0011	0.0077	ND		NA
	10/18/93	ND	ND	ND	ND	ND	ND		0.2
	01/06/94	ND	ND	ND	ND	ND	ND		ND
	04/13/94	ND	ND	ND	ND	ND	0.076		0.39
	07/26/94	ND	ND	ND	ND	ND	ND		ND
	10/26/94	ND	ND	ND	ND	ND	ND		ND
	01/11/95	ND	ND	ND	ND	ND	0.07	b,g	ND
	04/11/95	ND	0.0015	0.0034	0.0006	0.0034	0.14		ND
	07/19/95	ND	0.013	ND	ND	ND	0.16		NC
	10/19/95	ND	0.0006	ND	ND	ND	ND		NC
	10/19/95(D)	ND	ND	ND	ND	ND	ND		NC
MW-5	05/23/89	26	1.5	0.28	ND	8.1	7		NA
	08/05/89	12	0.86	0.094	ND	2.6	8.7		NA
	12/15/89	1	0.022	0.035	0.018	0.044	0.71		NA
	02/08/90	ND	0.0008	ND	ND	ND	0.62		NA
	04/19/90	19	4.5	0.85	0.097	8	5		NA
	07/24/90	23	3.6	0.4	0.16	6.5	2.7		NA
	09/28/90	5.4	1.4	0.026	0.013	1.3	0.55		NA
	01/02/91	0.86	0.28	0.0028	0.0008	0.045	0.56		NA
	04/09/91	12	0.71	0.13	0.5	2.4	1.8		NA
	07/11/91	24	2.2	0.28	0.43	5.7	1.7		NA
	10/08/91	2.8	0.86	0.013	ND	0.58	1.4		NA
	02/06/92	1	0.3	ND	0.014	0.062	1.2		NA
	05/05/92	10	1.5	0.35	0.71	2.3	4.1	a	NA
	07/28/92	12	2.2	0.063	1.4	3.5	3.8	a	1.2
	10/27/92	7.5	1.1	0.059	0.23	0.9	0.48	a	NA
	01/15/93	7.7	0.42	0.049	0.57	0.84	1.1	c	0.43
	04/23/93	110	2.9	2.5	3.4	12	16	a	ND
	07/21/93	18 d	1.4	0.084	1.5	3.2	1.2	a	NA
	10/18/93	14	2	0.1	2.3	5.1	5.8	a	0.86
	01/06/94	81	11	9.3	3.6	12	11	a	ND
	04/12/94	17	2.9	0.38	0.43	1.3	4.1		2.2
	07/25/94	5.9	1.5	0.042	0.034	0.17	5.4	a	ND
	10/26/94	2.3	0.035	0.0028	ND	0.0081	1.9	a	720
	01/11/95	8.3	1.5	0.095	0.33	1.9	3.7	c	ND
	04/11/95	7.3	1.2	0.23	0.6	0.55	9.8		ND
	07/19/95	17	2.3	0.73	0.77	2.5	5.1		NC
	10/18/95	Well Inaccessible Due to Construction							
MW-6	05/23/89	22	0.016	0.0065	0.0066	3.4	7		NA
	08/04/89	28	1.2	0.13	2.1	2.8	8.8		NA
	12/15/89	16	0.37	0.092	0.2	0.18	5.5		NA
	02/07/90	22	0.52	0.085	0.63	0.77	2.6		NA
	04/18/90	21	0.9	0.077	2.7	2.7	5.7		NA
	07/24/90	24	1	0.094	3.4	2.7	3		NA
	10/01/90	22	0.7	0.093	2.5	2.4	ND		NA
	01/02/91	25	1	0.088	2.6	3.7	0.96		NA
	04/09/91	18	0.56	0.19	0.48	0.83	0.92		NA

Table 2 (continued)
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPPH, BTEX Compounds, TEPH, and TPH as Motor Oil)

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Well Number	Date Sampled	TPPH (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Xylenes (ppm)	TEPH (ppm)		TPH as Motor Oil (ppm)
MW-6	07/11/91	9.5	0.67	0.051	1.1	0.92	1.9		NA
(cont.)	10/08/91	11	1	0.043	ND	ND	5.1		NA
	02/06/92	7.2	0.56	0.008	0.72	0.16	15	a	NA
	05/05/92	7.9	0.61	ND	1.5	0.24	2.9	a	NA
	07/28/92	17	1.2	ND	3	0.61	3.2	a	ND
	10/27/92	15	1.3	0.13	1.7	0.49	1.3	a	NA
	01/14/93	4.9	0.08	0.031	0.33	0.037	1.6	a	ND
	04/23/93	4.8	0.12	ND	0.78	0.073	1.8	a	ND
	07/20/93	19 d	0.57	0.018	1.1	0.13	0.91	a	NA
	10/18/93	24	0.77	0.44	1.6	0.83	2.5	a	0.83
	01/06/94	20 d	0.45	0.03	0.53	0.052	2.3a	a	ND
	04/12/94	3.6	0.15	ND	0.34	0.021	1.6		0.58
	07/25/94	1.6	0.16	ND	ND	0.01	2.2	a *	ND *
	07/25/94(D)	1	0.16	ND	ND	0.018	2.4	a	ND
	10/26/94	9.8	0.39	0.022	0.3	0.057	3.0	a	ND
	01/09/95	2.2	0.074	0.012	0.4	0.039	0.8	a	ND
	04/11/95	5	0.33	0.015	0.76	0.085	7.7		ND
	07/19/95	4.2	0.32	0.011	0.49	0.022	1.7		NC
	10/18/95	Well Inaccessible Due to Construction							
MW-7	05/23/89	47	3.5	5	1.5	7.8	11		NA
	08/04/89	68	6.2	6.6	3.6	8.8	22		NA
	12/15/89	100	4.5	5.3	1.3	5.3	12		NA
	02/08/90	96	15	15	2.5	14	8.1		NA
	04/19/90	94	25	13	3.3	13	10		NA
	07/24/90	84	3.8	26	13	3	12		NA
	09/28/90	43	25	6.1	2.4	9	ND		NA
	01/02/91	78	26	16	3	14	3.1		NA
	04/09/91	140	26	16	2.2	14	1.8		NA
	07/11/91	79	7.7	7.2	2.3	10	1.1		NA
	10/08/91	55	29	7.5	1.8	9.3	0.39	a	NA
	02/06/92	63	16	8.7	1.6	7.4	9.6	a	NA
	05/05/92	67	22	13	1.8	9.4	9.8	a	NA
	07/28/92	85	26	17	2.9	15	13	a	ND
	10/27/92	63	21	11	3	11	1.9	a	NA
	01/14/93	120	28	21	1.6	15	2.3	a	NA
	04/23/93	60	17	3.7	2.2	11	12	a	ND
	04/23/93(D)	50	17	4.2	2.2	11	14	a	ND
	07/21/93	47	23	9.9	2.2	12	13		NA
	10/18/93	44	22	3.8	2.6	10	10	a	1
	01/06/94	65	16	4.9	1.9	8.5	5.2	a	ND
	04/12/94	68	12	2	0.58	6.4	3.4		0.75
	07/25/94	63	16	5.8	0.3	8.3	4.2	a	ND
	10/26/94	46	16	3.7	1.2	7.3	3.8	a	ND
	01/11/95	62	24	8.5	1.1	9.4	3.3	c	ND
	01/11/95(D)	57	9.5	7.9	0.62	8	3.2	c	ND
	04/12/95	53	13	4.2	1.5	7.7	7		ND
	04/12/95(D)	55	11	3.7	1.3	6.4	7.6		ND
	07/19/95	95	24	8.0	2.1	12	2.7		NC
	10/18/95	Well Inaccessible Due to Construction							

Table 2 (continued)
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPPH, BTEX Compounds, TEPH, and TPH as Motor Oil)

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Well Number	Date Sampled	TPPH (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Xylenes (ppm)	TEPH (ppm)		TPH as Motor Oil (ppm)
MW-8	05/23/89	ND	ND	ND	ND	ND	0.1		NA
	08/04/89	ND	ND	ND	ND	ND	0.075		NA
	12/15/89	ND	ND	ND	ND	ND	ND		NA
	03/08/90	ND	ND	ND	ND	ND	ND		NA
	07/25/90	ND	ND	ND	ND	ND	ND		NA
	09/28/90	ND	ND	ND	ND	ND	1.1		NA
	01/02/91	ND	0.0013	ND	ND	ND	ND		NA
	04/09/91	0.05	0.0007	0.0011	0.0008	0.001	ND		NA
	07/11/91	ND	ND	ND	ND	ND	ND		NA
	10/08/91	ND	0.0014	ND	ND	ND	ND		NA
	02/06/92	ND	ND	0.0007	ND	ND	0.06	a	NA
	05/04/92	ND	ND	ND	ND	ND	0.21	b	NA
	07/28/92	0.051	ND	ND	0.001	0.0006	ND		0.15
	10/27/92	ND	ND	0.0066	ND	ND	ND		NA
	01/14/93	ND	ND	ND	ND	ND	0.064	b	NA
	01/14/93(D)	ND	ND	ND	ND	ND	NA		NA
	04/23/93	ND	ND	ND	ND	ND	ND		0.15
	07/21/93	ND	0.0007	0.0007	0.0008	0.0041	ND		NA
	10/18/93	ND	ND	0.8	ND	ND	ND		0.17
	01/06/94	ND	ND	ND	ND	ND	ND		ND
	04/13/94	ND	ND	ND	ND	ND	ND		0.22
	07/26/94	ND	ND	ND	ND	ND	ND		ND
	10/26/94	ND	ND	0.001	ND	ND	ND		ND
	01/11/95	ND	ND	ND	ND	ND	0.07	b,g	ND
	04/11/95	ND	0.00063	0.0013	ND	0.00075	0.078		ND
	07/19/95	ND	ND	ND	ND	ND	0.13		NC
	10/18/95	Well Inaccessible Due to Construction							
MW-9	08/04/89	47	5.6	6.6	1.5	8.5	12		NA
	12/15/89	88	4.3	5.4	0.14	5.6	9.2		NA
	02/08/90	50	1.8	1.4	3.2	1.8	7.4		NA
	04/19/90	50	14	11	0.73	10	7.5		NA
	07/24/90	62	19	16	0.95	15	3.2		NA
	09/28/90	30	16	6.5	0.98	11	2.7		NA
	01/02/91	34	9.2	3.2	0.77	7	2.5		NA
	04/09/91	66	17	13	1.4	14	2.2		NA
	07/11/91	40	7.7	3.2	1.1	9.4	2		NA
	10/08/91	20	11	0.64	0.24	6	4.7	a	NA
	02/06/92	36	11	0.49	1.1	6.7	6.6	a	NA
	05/05/92	31	11	1.7	1.2	8.7	5.8	a	NA
	07/28/92	50	17	1.2	1.5	12	14		ND
	10/27/92	43	15	0.68	1.7	8.1	0.88	a	NA
	01/15/93	52	9.6	1.1	1.1	7	0.73	a	NA
	04/23/93	45	11	1.4	1.5	10	8	a	0.15
	07/21/93	25	10	0.32	1.1	7.1	5.1		NA
	10/18/93	32	14	0.53	2	10	4.9	a	NA
	01/06/94	41	15	0.81	1.4	9	7.7	a	NA
	01/06/94(D)	43	15	0.92	1.3	8	8.3	a	NA
	04/13/94	39	8.3	ND	ND	4	2		0.22
	07/26/94	22	7.5	0.15	ND	4.1	3.6	a	ND
	10/26/94	31	13	0.24	1	8.5	3.2	a	ND
	10/26/94(D)	31	13	0.22	1.1	8.3	3.5	a	NA

Table 2 (continued)
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPPH, BTEX Compounds, TEPH, and TPH as Motor Oil)

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Well Number	Date Sampled	TPPH (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Xylenes (ppm)	TEPH (ppm)		TPH as Motor Oil (ppm)
MW-9	01/11/95	4.8	1.2	0.51	0.042	1.4	2.3	c	ND
(cont.)	04/12/95	20	5.1	0.46	0.4	3.4	3.4		ND
	07/19/95	43	12	1.8	0.96	9.1	2.9		NC
	10/18/95	Well Inaccessible Due to Construction							
MW-10	12/15/89	ND	1.5	ND	ND	ND	3.1		NA
	03/08/90	25	17	0.33	2.1	1.4	1.8		NA
	04/19/90	23	15	1.2	0.19	3.3	3.6		NA
	07/25/90	18	12	0.38	ND	1.4	1.9		NA
	09/28/90	9.5	13	0.1	1.8	0.23	0.43		NA
	01/02/91	4.3	3.7	0.0097	ND	0.11	0.63		NA
	04/09/91	45	16	4.6	3	6.9	1.4		NA
	07/11/91	ND	ND	ND	ND	ND	ND		NA
	10/08/91	3.8	13	0.082	0.0091	0.5	1.5	a	NA
	02/06/92	22	12	ND	0.6	0.17	1.6	a	NA
	05/05/92	39	14	5	1.8	5	8	a	NA
	07/28/92	38	17	2.8	1.5	4	8.7	a	ND
	10/27/92	Well Inaccessible							
	01/14/93	26	10	ND	ND	0.16	0.95	c	0.2
	04/23/93	80	21	13	3.4	12	19	a	ND
	07/21/93	31	14	4.2	1.7	5.5	4.8		NA
	10/18/93	13	8.6	0.22	ND	0.45	1.2	a	0.61
	01/06/94	16	9.7	<0.125	<0.125	0.21	0.67	a	0.62
	04/13/94	16	5.6	ND	ND	ND	0.86		0.27
	07/25/94	2.3	1.4	0.026	0.025	0.051	2.1	a	ND
	10/26/94	1.4	0.29	0.005	0.0017	0.038	1.0	a	ND
	01/11/95	16	7.5	1.4	0.23	1.5	2.3	c	ND
	04/11/95	54	13	4.5	1.5	4.5	5		ND
	07/19/95	72	20	7.2	2.8	9	2.6		NC
	10/18/95	Well Inaccessible Due to Construction							
MW-11	07/20/93	0.05	0.0025	0.0019	0.0039	0.018	ND		NA
	10/18/93	ND	ND	ND	ND	ND	0.065		0.26
	01/06/94	ND	ND	ND	ND	ND	ND		ND
	04/13/94	ND	0.0011	0.00087	ND	0.0015	ND		ND
	07/25/94	ND	ND	ND	ND	ND	ND		ND
	10/26/94	ND	ND	ND	ND	ND	0.1		ND
	01/11/95	ND	ND	ND	ND	ND	ND		ND
	04/11/95	ND	ND	0.0007	ND	0.0005	0.14		ND
	07/19/95	ND	ND	ND	ND	ND	0.050		NC
	10/18/95	ND	ND	ND	ND	ND	ND		NC
MW-12	07/20/93	ND	0.0028	0.0019	0.0032	ND	0.015		NA
	10/18/93	ND	ND	ND	ND	ND	ND		0.12
	01/06/94	ND	ND	ND	ND	ND	ND		ND
	04/13/94	ND	0.00061	ND	ND	0.0011	ND		ND
	07/25/94	ND	ND	ND	ND	ND	ND		ND
	10/26/94	ND	ND	ND	ND	ND	ND		ND
	01/09/95	ND	ND	ND	ND	ND	0.080	b	ND
	04/11/95	ND	ND	ND	ND	ND	0.2		ND
	07/19/95	ND	ND	ND	ND	ND	0.090		NC
	10/18/95	ND	ND	ND	ND	ND	ND		NC

Table 2 (continued)
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPPH, BTEX Compounds, TEPH, and TPH as Motor Oil)

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Well Number	Date Sampled	TPPH (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Xylenes (ppm)	TEPH (ppm)	TPH as Motor Oil (ppm)
MW-13	07/21/93	ND	ND	ND	ND	ND	0.0015	NA
	07/21/93(D)	ND	ND	ND	ND	ND	0.001	NA
	10/18/93	ND	ND	ND	ND	ND	ND	0.1
	01/06/94	ND	ND	ND	ND	ND	ND	ND
	04/13/94	ND	0.0017	0.0012	0.00059	0.0024	0.1	0.072
	07/25/94	ND	ND	ND	ND	ND	ND	ND
	10/26/94	ND	ND	ND	ND	ND	ND	ND
	01/09/95	ND	ND	ND	ND	ND	ND	ND
	04/11/95	ND	ND	ND	ND	ND	0.32	ND
	07/19/95	ND	ND	ND	ND	ND	ND	NC
	10/18/95	ND	ND	ND	ND	ND	ND	NC

TPPH = Total purgeable petroleum hydrocarbons
TEPH = Total extractable petroleum hydrocarbons
ppm = Parts per million
ND = Not detected
NA = Not analyzed
NR = Not reported
NC = Analyses included in TEPH (C10-C28).
(D) = Duplicate sample
\+ = TPH as diesel analysis from April 8, 1993.
* = Sampled August 4, 1994.
** = Also analyzed for oil and grease; results ND

Laboratory noted the following:

a. Compound detected and calculated as TPH as diesel primarily appears to be due to to a lighter petroleum product.
b. Compound detected and calculated as diesel appears to be a heavier hydrocarbon compound.
c. Compound detected as TPH as diesel is due to the presence of a combination of a heavier petroleum product and a lighter petroleum product.
d. Compound detected as gasoline is due to the presence of a combination of gasoline and a discrete peak not indicative of gasoline.
e. Compound detected as gasoline is due to the presence of a discrete peak not indicative of gasoline.
f. Result has an atypical gasoline pattern.
g. Result is an unknown hydrocarbon that consists of a single peak.

See individual certified analytical reports for detection limits.

Table 3
Soil Vapor Extraction System Performance Data

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

				TPPH			Benzene		
Sample ID	Date Sampled	Hourmeter Reading (hrs)	Flow Rate (scfm)	Influent Concentration (ppmv)	Removal Rate (lbs/day)	Removed to Date (lbs)	Influent Concentration (ppmv)	Removal Rate (lbs/day)	Removed to Date (lbs)
INFL	08/30/93	6,248	34	7,801	99.35	0.00	123.63	1.29	0.00
INFL	08/31/93	6,250	37	2,364	33.52	5.54	28.46	0.33	0.07
INFL	09/01/93	6,260	30	3,073	35.17	19.85	48.88	0.46	0.23
INFL	09/02/93	6,269	46	2,080	36.62	33.31	54.63	0.79	0.47
INFL	09/08/93	6,361	25	591	5.64	114.30	27.31	0.21	2.39
INFL	09/14/93	6,502 a	29	780	8.48	155.78	13.80	0.12	3.38
INFL	10/27/93	1,190.00 b	85	121	3.90	155.78	1.52	0.04	3.38
INFL	10/28/93	1,213.57	85	187	6.03	160.66	5.18	0.14	3.47
INFL	10/29/93	1,328.37	87	187	6.18	189.86	4.03	0.11	4.06
INFL	11/11/93	1,511.20	90	260	8.90	247.28	5.46	0.15	5.06
INFL	11/22/93	1,779.22	74	194	5.45	327.41	ND	0.00	5.92
INFL	12/09/93	2,183.44	68	35	0.92	381.06	ND	0.00	5.92
INFL	01/11/94	2,591.27	60	165	3.77	420.92	ND	0.00	5.92
INFL	01/27/94	2,976.94	74	151	4.26	485.44	ND	0.00	5.92
INFL	02/10/94	3,199.56	67	31	0.78	508.81	ND	0.00	5.92
INFL	03/02/94	3,678.57	60	12	0.28	519.42	0.58	0.01	6.03
INFL	03/09/94	3,688.03	70	50	1.32	519.74	0.12	0.00	6.03
INFL	03/24/94	4,051.56	48	43	0.78	535.63	0.78	0.01	6.14
INFL	04/11/94	4,482.67	42	ND	0.00	542.60	ND	0.00	6.25
INFL	04/21/94	4,662.97	45	12	0.20	543.35	ND	0.00	6.25
INFL	05/10/94	5,114.89	40	24	0.36	548.60	0.08	0.00	6.26
INFL	06/08/94	5,187.80	40 c	111	1.69	551.71	ND	0.00	6.26
INFL	06/21/94	5,500.70	64	92	2.24	577.35	ND	0.00	6.26
INFL	06/28/94	5,531.03 d	50	78	1.48	579.70	ND	0.00	6.26
INFL	09/13/94	6,481.00 e	65	284	7.01	579.70	1.5	0.03	6.26
INFL	09/20/94	6,644.00	56	92	1.96	610.17	0.60	0.01	6.40
INFL	09/28/94	6,841.00	50	69	1.30	623.57	0.35	0.01	6.46
INFL	10/11/94	7,155.00	48	40	0.73	636.90	ND	0.00	6.50
INFL	10/31/94	7,631.00	60	61	1.40	658.07	ND	0.00	6.50
INFL	11/10/94	7,871.33	50	402	7.64	703.34	4.6	0.07	6.86
INFL	11/23/94	7,883.71	44	3.1 f	0.05	705.32	ND f	0.00	6.88
INFL	12/13/94	8,367.43	35	ND	0.00	705.84	ND	0.00	6.88

Table 3 (continued)
Soil Vapor Extraction System Performance Data

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Sample ID	Date Sampled	Hourmeter Reading (hrs)	Flow Rate (scfm)	TPPH Influent Concentration (ppmv)	TPPH Removal Rate (lbs/day)	TPPH Removed to Date (lbs)	Benzene Influent Concentration (ppmv)	Benzene Removal Rate (lbs/day)	Benzene Removed to Date (lbs)
INFL	12/27/94	8,699.00	30	7.8	0.09	706.46	ND	0.00	6.88
INFL	01/10/95	9,019.51	43	ND	0.00	707.05	ND	0.00	6.88
INFL	02/09/95	9,743.77	57	ND	0.00	707.05	ND	0.00	6.88
TOTAL POUNDS TPPH REMOVED:						**707.05**			
TOTAL GALLONS TPPH REMOVED:						**115.91**			
TOTAL POUNDS BENZENE REMOVED:						**6.88**			
TOTAL GALLONS BENZENE REMOVED:						**0.94**			

TPPH = Total purgeable petroleum hydrocarbons
hrs = Hours
scfm = Standard cubic feet per minute
ppmv = Parts per million by volume
lbs = Pounds
ND = Not detected
See certified analytical reports for detection limits.

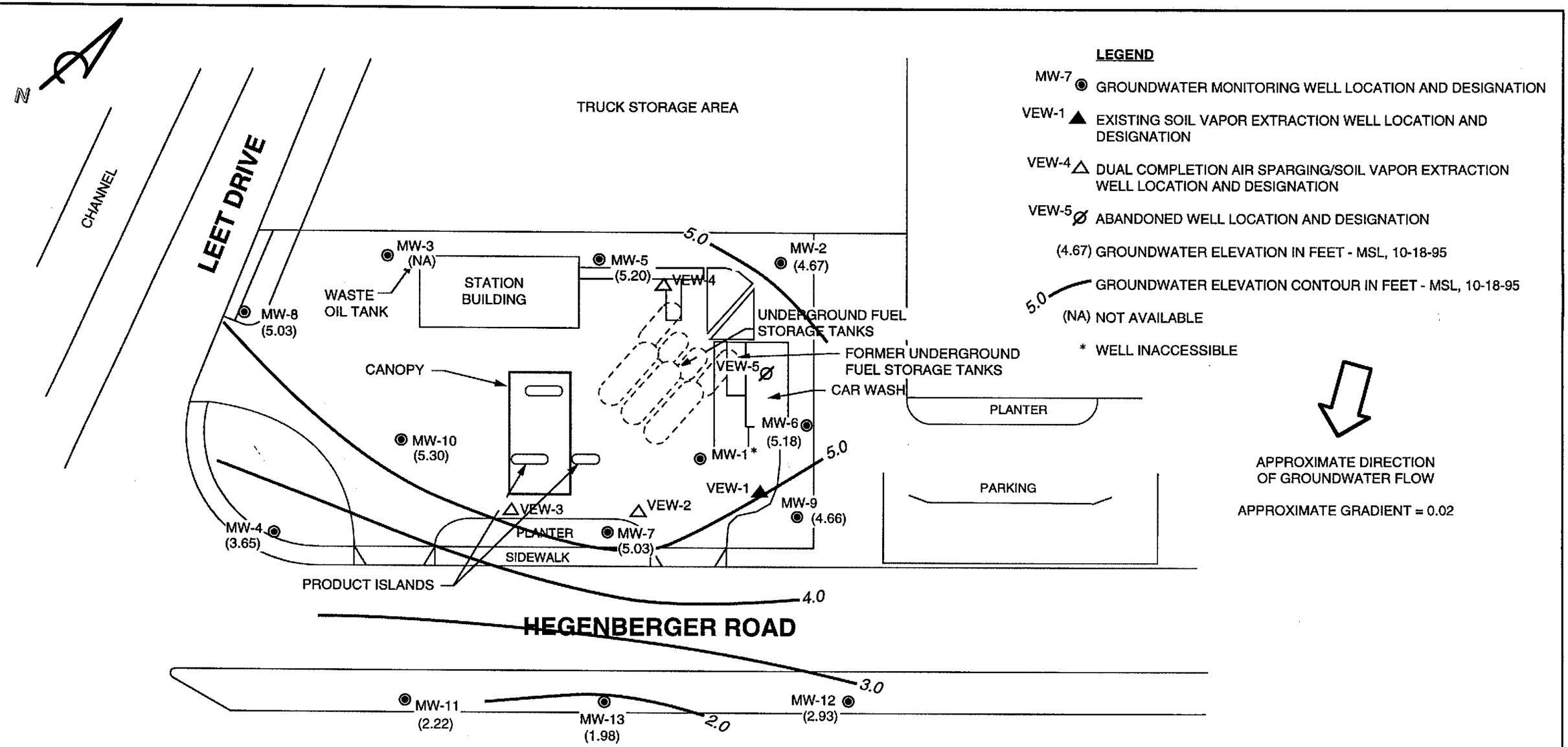
a. Internal combustion engine shut down 09/14/94.
b. King-Buck Cat-Ox start-up on 10/27/93.
c. Estimated flow rate.
d. System temporarily shut down June 28, 1994; King-Buck Cat-Ox removed to different site.
e. Cat-Ox installation and startup on 09/13/94.
f. Samples taken on December 1, 1994.

Table 4
Vapor-Phase Analytical Data
Total Petroleum Hydrocarbons
(TPPH and BTEX Compounds)

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

Well Number	Date Sampled	TPPH (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)
VEW-1	08/30/93	140,000	3,300	860	1,400	3,400
	09/14/93	53,000	1,000	850	57	1,900
	10/27/93	26,000	660	450	300	1,300
	12/22/93	5.3	ND	0.097	0.11	0.75
	09/13/94	23,000	190	ND	59	120
	10/31/94	680	ND	0.88	ND	3.5
VEW-2	08/30/93	21,000	ND	ND	180	190
	09/14/93	4,200	23	26	8.0	250
	10/27/93	1,400	ND	ND	8.0	13
	12/22/93	ND	ND	ND	ND	0.25
	09/13/94	2,600	ND	ND	5.2	ND
	10/31/94	670	1.8	ND	1.9	1.7
VEW-3	08/30/93	41,000	ND	62	510	390
	09/14/93	3,100	ND	6.4	14	79
	10/27/93	3,000	ND	ND	49	45
	12/22/93	ND	ND	ND	ND	0.27
	09/13/94	1,200	3.0	ND	5.4	1.8
	10/31/94	750	ND	ND	ND	ND
VEW-4	08/30/93	12,000	ND	ND	74	98
	09/14/93	5,200	ND	27	ND	160
	10/27/93	1,100	ND	4.0	10	22
	12/22/93	NS	NS	NS	NS	NS
	09/13/94	1,400	ND	ND	2.9	ND
	10/31/94	320	1.2	ND	1.1	0.95
VEW-5	08/30/93	120,000	ND	200	1,900	1,500
	09/14/93	3,500	ND	ND	21	64
	10/27/93	9,400	ND	ND	100	71
	12/22/93	150	ND	ND	ND	0.25
	09/13/94	3,600	5.7	ND	8.0	ND
	10/31/94	960	3.2	ND	ND	2.4

TPPH = Total purgeable petroleum hydrocarbons
µg/L = Micrograms per liter
ND = Not detected
NS = Not sampled



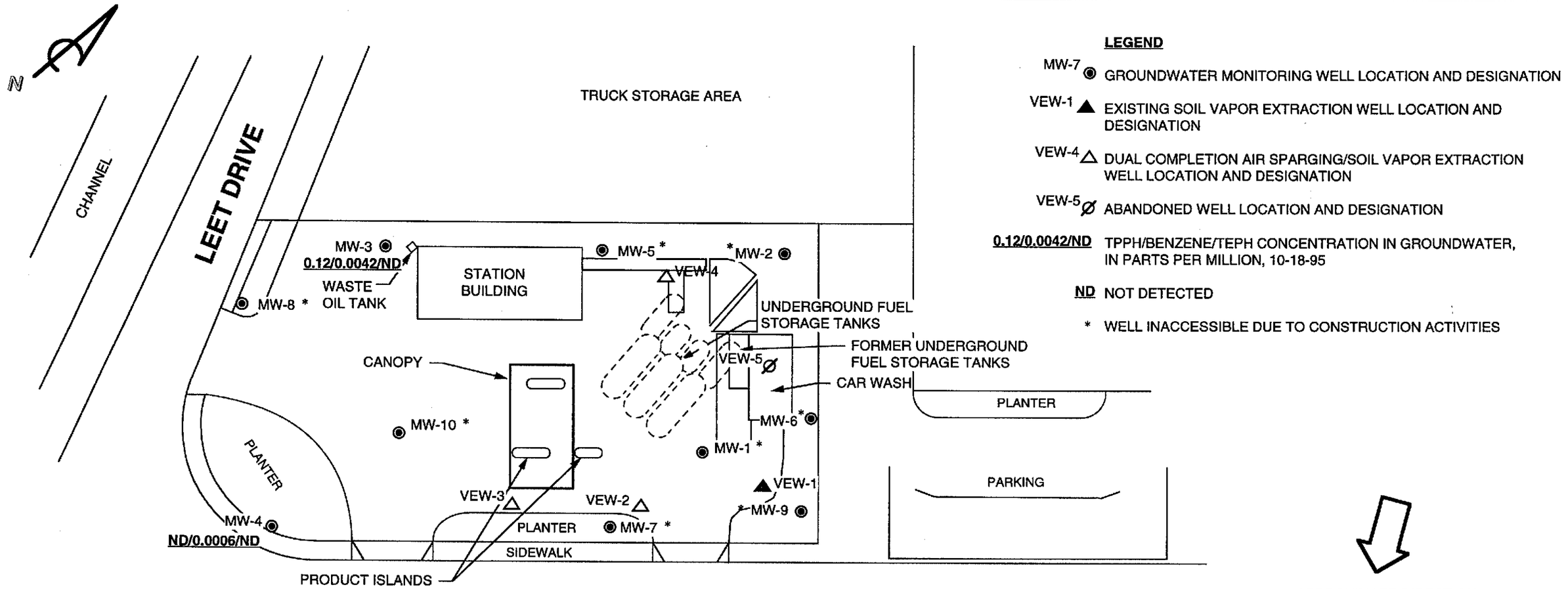
PACIFIC ENVIRONMENTAL GROUP, INC.

SCALE
0 40 80 FEET

SHELL SERVICE STATION
285 Hegenberger Road at Leet Drive
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP

FIGURE: **1**
PROJECT: 305-079.2E



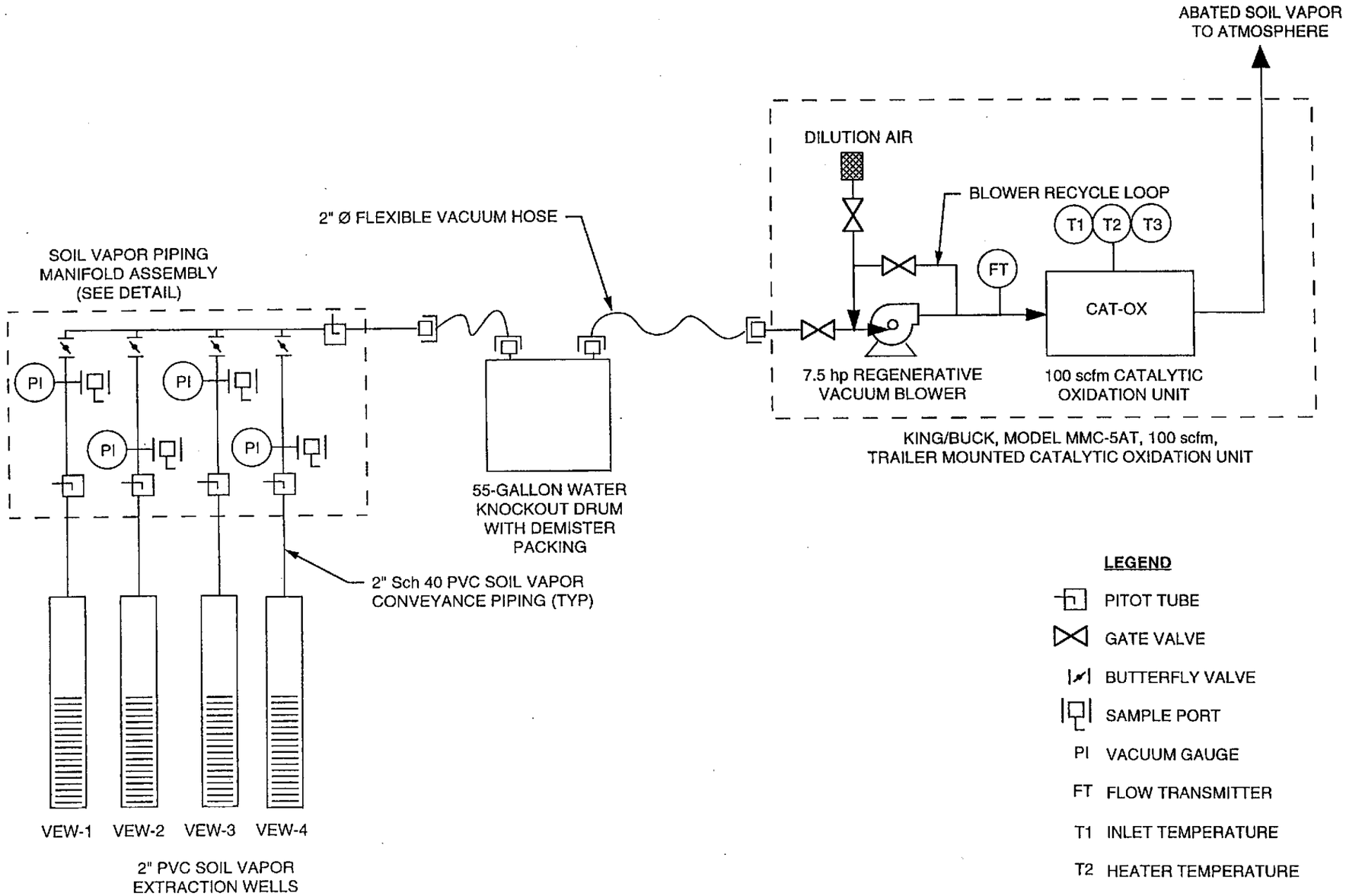
PACIFIC ENVIRONMENTAL GROUP, INC.

SCALE
0 40 80 FEET

SHELL SERVICE STATION
285 Hegenberger Road at Leet Drive
Oakland, California

TPPH/BENZENE/TEPH CONCENTRATION MAP

FIGURE:
2
PROJECT:
305-079.2E



PACIFIC ENVIRONMENTAL GROUP, INC.	NO SCALE	**SHELL SERVICE STATION** 285 Hegenberger Road at Leet Drive Oakland, California **SOIL VAPOR EXTRACTION PROCESS FLOW DIAGRAM**	FIGURE: **3** PROJECT: 305-079.2E

Figure 4
Soil Vapor Extraction System Mass Removal Data

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California

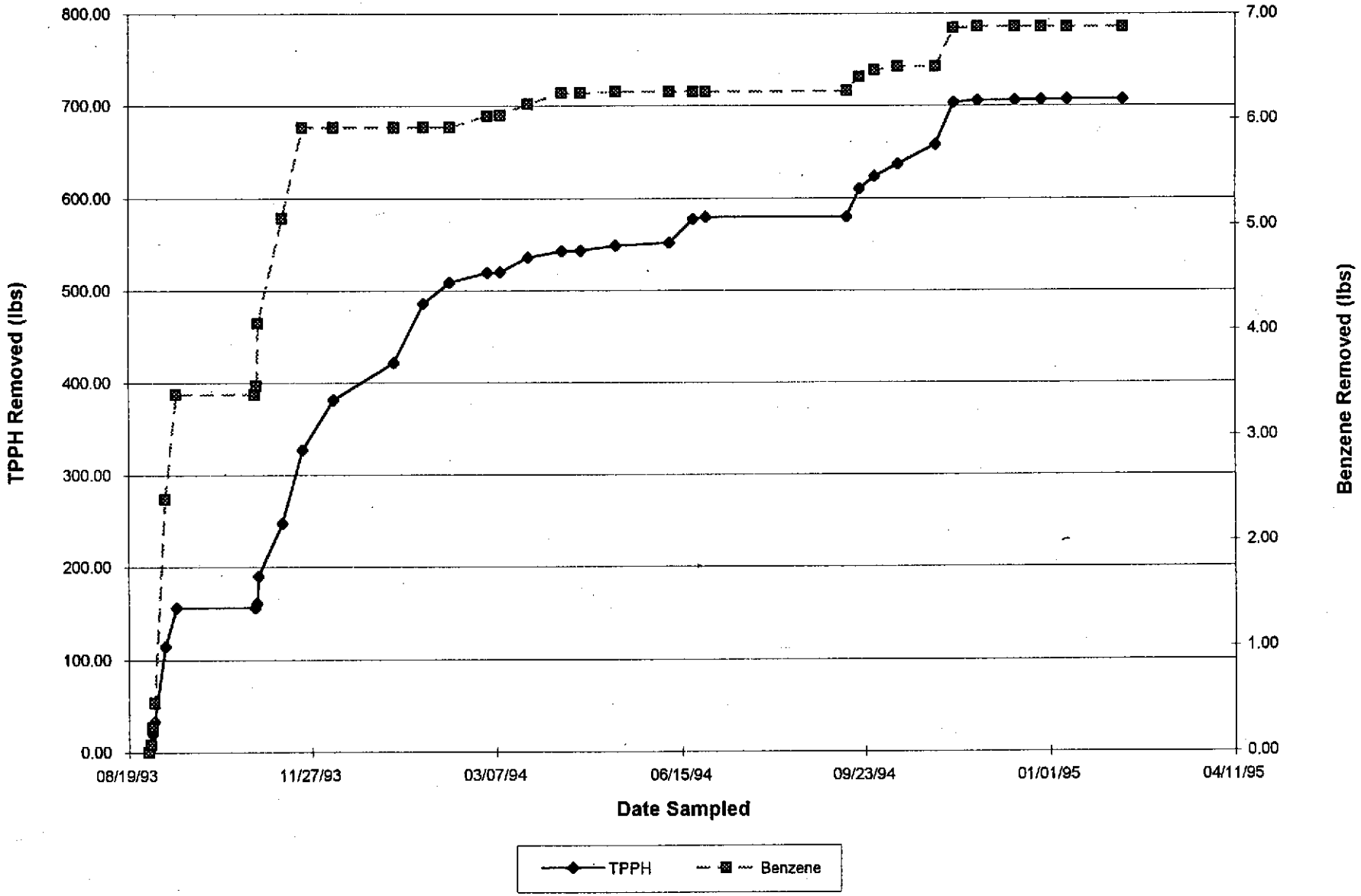
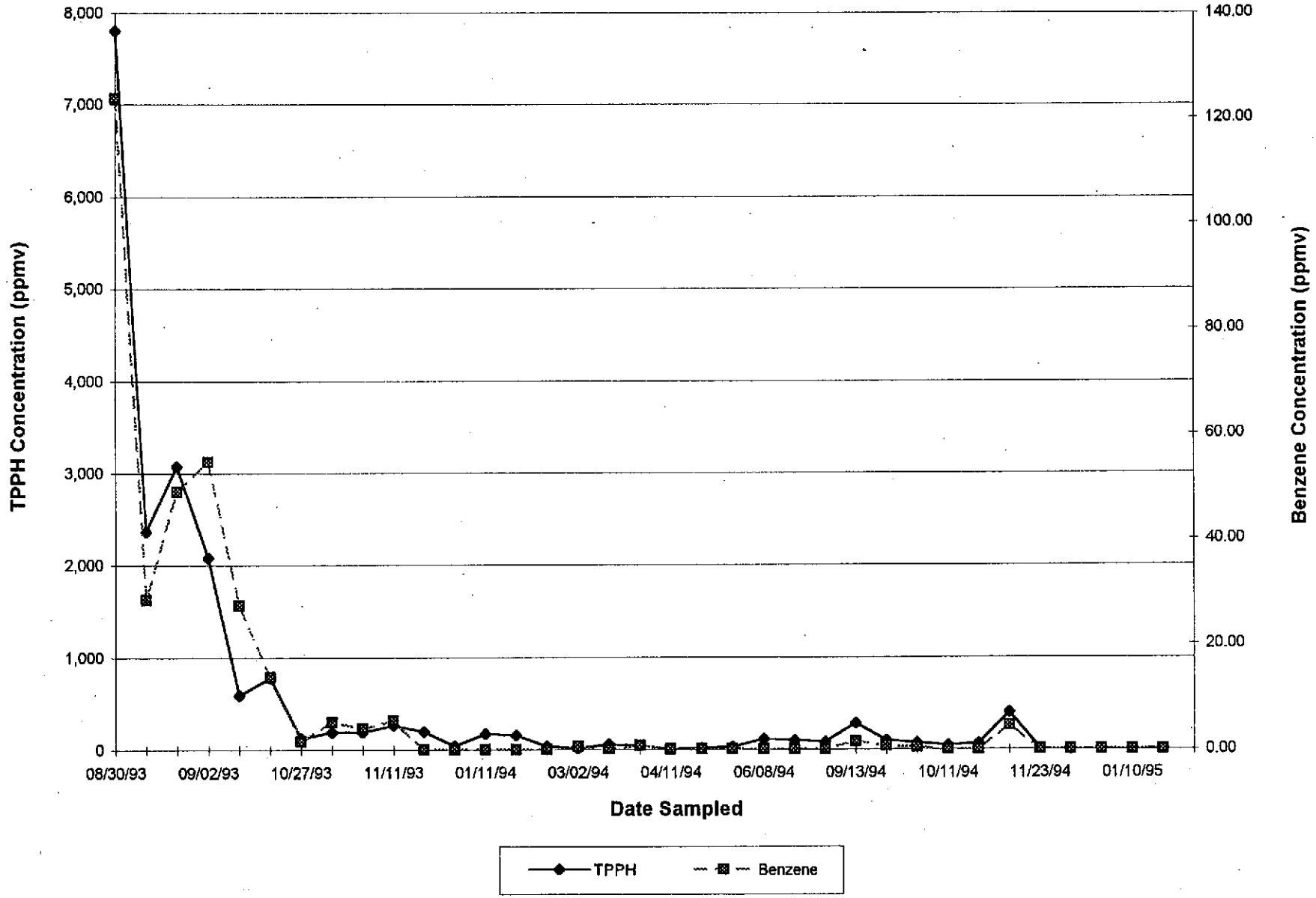


Figure 5
Soil Vapor Extraction System Hydrocrbon Concentrations

Shell Service Station
285 Hegenberger Road at Leet Drive
Oakland, California



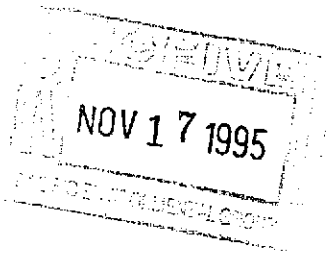
ATTACHMENT A

GROUNDWATER SAMPLING REPORT

BLAINE
TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

November 9, 1995



Shell Oil Company
P.O. Box 4023
Concord, CA 94524

Attn: R. Jeff Granberry

Shell WIC #204-5508-5504
285 Hegenberger Road
Oakland, California

4th Quarter 1995

Quarterly Groundwater Monitoring Report 951018-H-2

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. Copies of our Sampling Report along with the laboratory's Certified Analytical Report are forwarded to the consultant overseeing work at this site. Submission of the assembled documents to interested regulatory agencies will be made by the designated consultant.

Groundwater monitoring at this site was performed in accordance with Standard Operating Procedures provided to the interested regulatory agencies. If you have any questions about the work performed at this site please call me at (408) 995-5535 ext. 201.

Yours truly,

Francis Thie

attachments: Table of Well Gauging Data
Chain of Custody
Field Data Sheets
Certified Analytical Report

cc: Pacific Environmental Group, Inc.
2025 Gateway Place, #440
San Jose, CA 95110
Attn: Rhonda Barrick

(Any professional evaluations or recommendations will be made by the consultant under separate cover.)

TABLE OF WELL GAUGING DATA

WELL I.D.	DATA COLLECTION DATE	MEASUREMENT REFERENCED TO	QUALITATIVE OBSERVATIONS (sheen)	DEPTH TO FIRST IMMISCIBLES LIQUID (FPZ) (feet)	THICKNESS OF IMMISCIBLES LIQUID ZONE (feet)	VOLUME OF IMMISCIBLES REMOVED (ml)	DEPTH TO WATER (feet)	DEPTH TO WELL BOTTOM (feet)
MW-1	10/18/95	INACCESSIBLE						
MW-2	10/18/95	TOC	--	NONE	--	--	5.88	9.55
MW-3	10/18/95	TOC	--	NONE	--	--	5.72	9.40
MW-4 *	10/18/95	TOC	--	NONE	--	--	6.63	10.05
MW-5	10/18/95	TOC	--	NONE	--	--	5.67	9.66
MW-6	10/18/95	TOC	--	NONE	--	--	5.86	10.97
MW-7	10/18/95	TOC	--	NONE	--	--	5.25	9.89
MW-8	10/18/95	TOC	--	NONE	--	--	5.58	9.88
MW-9	10/18/95	TOC	--	NONE	--	--	5.82	10.68
MW-10	10/18/95	TOC	--	NONE	--	--	5.31	9.94
MW-11	10/18/95	TOC	--	NONE	--	--	8.34	13.82
MW-12	10/18/95	TOC	--	NONE	--	--	6.63	14.56
MW-13	10/18/95	TOC	--	NONE	--	--	8.12	14.31

* Sample DUP was a duplicate sample taken from well MW-4.

SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD
Serial No: 95108-H2

Date: 10/19/95
Page 1 of 1

Site Address: 285 Hegenberger Road, Oakland

WIC#: 204-5508-5504

Shell Engineer: ~~Dan Kirk~~ JEFF GRAMBERRY — Phone No.: (510) 675-6168 Fax #: 675-6160

Consultant Name & Address: Blaine Tech Services, Inc. 985 Timothy Drive San Jose, CA 95133

Consultant Contact: Jim Keller — Phone No.: (408) 995-5535 Fax #: 293-8773

Comments:

Sampled by: Troy M. Horner

Printed Name: TROY N. HORNER

LAB: NET

CHECK ONE (1) BOX ONLY — CT/DI

- Quarterly Monitoring [X] 6441
- Site Investigation [ ] 6441
- Soil Closure/Disposal [ ] 6442
- Water Closure/Disposal [ ] 6443
- Soil/Air Rem. or Sys. O & M [ ] 6452
- Water Rem. or Sys. O & M [ ] 6453
- Other [ ]

TURN AROUND TIME

- 24 hours [ ]
- 48 hours [ ]
- 15 days [X] [X] (Normal)
- Other [ ] ____

NOTE: Notify Lab as soon as Possible of 24/48 hr. TAT.

Analysis Required

Sample ID	Date	Sludge	Soil	Water	Air	No. of conts.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020	Oil & Grease	Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
MW-3 ✓	10/18					7		X				X	X						
MW-4 ✓	10/19					7		X				X	X						
MW-11 ✓	10/18					7		X				X	X						
MW-12 ✓	10/18					7		X				X	X	✓					
MW-13 ✓	10/18					7		X				X	X						
DUP ✓	10/19					7		X				X	X						
EB +	10/18					7		X				X	X						
TB ✓	10/18					2						X							

	Printed Name	Date / Time		Printed Name	Date / Time
Relinquished by (signature): Troy M. Horner	TROY N. HORNER	Date: 10-20-95 Time: 1100	Received (signature): Phyllis Smart	Phyllis Smart	Date: 10/20/95 Time: 11:00
Relinquished by (signature): Phyllis Smart	Phyllis Smart	Date: 10/20/95 Time: 1245	Received (signature): Pam Greene	PAM GREENE	Date: 10/20/95 Time: 12:45
Relinquished by (signature): Pam Greene	PAM GREENE	Date: 10/20/95 Time: 1550	Received (signature): Phil Prosser	PHIL PROSSER	Date: 10/20/95 Time: 1550

THE LABORATORY MUST PROVIDE A COPY OF THIS CHAIN-OF-CUSTODY WITH INVOICE AND RESULTS

NATIONAL ENVIRONMENTAL TESTING, INC.

Santa Rosa Division
3636 North Laughlin Road
Suite 110
Santa Rosa, CA 95403-8226
Tel: (707) 526-7200
Fax: (707) 541-2333

Jim Keller
Blaine Tech Services
985 Timothy Dr.
San Jose, CA 95133

Date: 11/08/1995
NET Client Acct. No: 1821
NET Job No: 95.04139
Received: 10/20/1995

Client Reference Information

Shell 285 Hegenberger Road, Oakland, CA/951018-H2

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel free to call me at (707) 541-2305.

Submitted by:

Ginger Brinlee

Ginger Brinlee
Project Coordinator

Enclosure(s)

Ref: Shell 285 Hegenberger Road, Oakland, CA/951018-H2

SAMPLE DESCRIPTION: MW-3
Date Taken: 10/18/1995
Time Taken:
NET Sample No: 254170

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M Shell+MTBE								
DILUTION FACTOR*	1						11/01/1995	3317
Purgeable TPH	120		50	ug/L	8015		11/01/1995	3317
Carbon Range: C6 to C12	--				8015		11/01/1995	3317
METHOD 8020 (GC, Liquid)	--				8020		11/01/1995	3317
Benzene	4.2		0.5	ug/L	8020		11/01/1995	3317
Toluene	ND		0.5	ug/L	8020		11/01/1995	3317
Ethylbenzene	0.8		0.5	ug/L	8020		11/01/1995	3317
Xylenes (Total)	ND		0.5	ug/L	8020		11/01/1995	3317
Methyl-tert-butyl ether	120	C	2	ug/L	8020		11/01/1995	3317
SURROGATE RESULTS	--						11/01/1995	3317
Bromofluorobenzene (SURR)	88			% Rec.	8020		11/01/1995	3317
METHOD 3510/8015-M (Shell)						10/25/1995		
DILUTION FACTOR*	1						11/07/1995	1102
Extractable TPH	ND		50	ug/L	3510/M8015		11/07/1995	1102
Carbon range: C9 to C24	--						11/07/1995	1102

C : Positive result confirmed by secondary column or GC/MS analysis.

Ref: Shell 285 Hegenberger Road, Oakland, CA/951018-H2

SAMPLE DESCRIPTION: MW-4
Date Taken: 10/18/1995
Time Taken:
NET Sample No: 254171

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M Shell+MTBE								
DILUTION FACTOR*	1						10/31/1995	3310
Purgeable TPH	ND		50	ug/L	8015		10/31/1995	3310
Carbon Range: C6 to C12	--				8015		10/31/1995	3310
METHOD 8020 (GC, Liquid)	--				8020		10/31/1995	3310
Benzene	0.6	C	0.5	ug/L	8020		10/31/1995	3310
Toluene	ND		0.5	ug/L	8020		10/31/1995	3310
Ethylbenzene	ND		0.5	ug/L	8020		10/31/1995	3310
Xylenes (Total)	ND		0.5	ug/L	8020		10/31/1995	3310
Methyl-tert-butyl ether	ND		2	ug/L	8020		10/31/1995	3310
SURROGATE RESULTS	--						10/31/1995	3310
Bromofluorobenzene (SURR)	91			% Rec.	8020		10/31/1995	3310
METHOD 3510/8015-M (Shell)						10/25/1995		
DILUTION FACTOR*	1						11/02/1995	1101
Extractable TPH	ND		50	ug/L	3510/M8015		11/02/1995	1101
Carbon range: C9 to C24	--						11/02/1995	1101

C : Positive result confirmed by secondary column or GC/MS analysis.

Ref: Shell 285 Hegenberger Road, Oakland, CA/951018-H2

SAMPLE DESCRIPTION: MW-11
Date Taken: 10/18/1995
Time Taken:
NET Sample No: 254172

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M Shell+MTBE								
DILUTION FACTOR*	1						10/31/1995	3310
Purgeable TPH	ND		50	ug/L	8015		10/31/1995	3310
Carbon Range: C6 to C12	--				8015		10/31/1995	3310
METHOD 8020 (GC, Liquid)	--				8020		10/31/1995	3310
Benzene	ND		0.5	ug/L	8020		10/31/1995	3310
Toluene	ND		0.5	ug/L	8020		10/31/1995	3310
Ethylbenzene	ND		0.5	ug/L	8020		10/31/1995	3310
Xylenes (Total)	ND		0.5	ug/L	8020		10/31/1995	3310
Methyl-tert-butyl ether	2.6	C	2	ug/L	8020		10/31/1995	3310
SURROGATE RESULTS	--						10/31/1995	3310
Bromofluorobenzene (SURR)	87			% Rec.	8020		10/31/1995	3310
METHOD 3510/8015-M (Shell)						10/25/1995		
DILUTION FACTOR*	1						11/02/1995	1101
Extractable TPH	ND		50	ug/L	3510/M8015		11/02/1995	1101
Carbon range: C9 to C24	--						11/02/1995	1101

C : Positive result confirmed by secondary column or GC/MS analysis.

Ref: Shell 285 Hegenberger Road, Oakland, CA/9S1018-H2

SAMPLE DESCRIPTION: MW-12
Date Taken: 10/18/1995
Time Taken:
NET Sample No: 254173

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M Shell+MTBE								
DILUTION FACTOR*	1						10/31/1995	3310
Purgeable TPH	ND		50	ug/L	8015		10/31/1995	3310
Carbon Range: C6 to C12	--				8015		10/31/1995	3310
METHOD 8020 (GC, Liquid)	--				8020		10/31/1995	3310
Benzene	ND		0.5	ug/L	8020		10/31/1995	3310
Toluene	ND		0.5	ug/L	8020		10/31/1995	3310
Ethylbenzene	ND		0.5	ug/L	8020		10/31/1995	3310
Xylenes (Total)	ND		0.5	ug/L	8020		10/31/1995	3310
Methyl-tert-butyl ether	ND		2	ug/L	8020		10/31/1995	3310
SURROGATE RESULTS	--						10/31/1995	3310
Bromofluorobenzene (SURR)	81			% Rec.	8020		10/31/1995	3310
METHOD 3510/8015-M (Shell)						10/25/1995		
DILUTION FACTOR*	1						11/02/1995	1101
Extractable TPH	ND		50	ug/L	3510/M8015		11/02/1995	1101
Carbon range: C9 to C24	--						11/02/1995	1101

Ref: Shell 285 Hegenberger Road, Oakland, CA/951018-H2

SAMPLE DESCRIPTION: MW-13
Date Taken: 10/18/1995
Time Taken:
NET Sample No: 254174

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M Shell+MTBE								
DILUTION FACTOR*	1						10/31/1995	3310
Purgeable TPH	ND		50	ug/L	8015		10/31/1995	3310
Carbon Range: C6 to C12	--				8015		10/31/1995	3310
METHOD 8020 (GC, Liquid)	--				8020		10/31/1995	3310
Benzene	ND		0.5	ug/L	8020		10/31/1995	3310
Toluene	ND		0.5	ug/L	8020		10/31/1995	3310
Ethylbenzene	ND		0.5	ug/L	8020		10/31/1995	3310
Xylenes (Total)	ND		0.5	ug/L	8020		10/31/1995	3310
Methyl-tert-butyl ether	ND		2	ug/L	8020		10/31/1995	3310
SURROGATE RESULTS	--						10/31/1995	3310
Bromofluorobenzene (SURR)	86			% Rec.	8020		10/31/1995	3310
METHOD 3510/8015-M (Shell)						10/25/1995		
DILUTION FACTOR*	1						11/02/1995	1101
Extractable TPH	ND		50	ug/L	3510/M8015		11/02/1995	1101
Carbon range: C9 to C24	--						11/02/1995	1101

Ref: Shell 285 Hegenberger Road, Oakland, CA/951018-H2

SAMPLE DESCRIPTION: DUP
Date Taken: 10/18/1995
Time Taken:
NET Sample No: 254175

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M Shell+MTBE								
DILUTION FACTOR*	1						10/31/1995	3310
Purgeable TPH	ND		50	ug/L	8015		10/31/1995	3310
Carbon Range: C6 to C12	--				8015		10/31/1995	3310
METHOD 8020 (GC, Liquid)	--				8020		10/31/1995	3310
Benzene	ND		0.5	ug/L	8020		10/31/1995	3310
Toluene	ND		0.5	ug/L	8020		10/31/1995	3310
Ethylbenzene	ND		0.5	ug/L	8020		10/31/1995	3310
Xylenes (Total)	ND		0.5	ug/L	8020		10/31/1995	3310
Methyl-tert-butyl ether	ND		2	ug/L	8020		10/31/1995	3310
SURROGATE RESULTS	--						10/31/1995	3310
Bromofluorobenzene (SURR)	87			% Rec.	8020		10/31/1995	3310
METHOD 3510/8015-M (Shell)						10/25/1995		
DILUTION FACTOR*	1						11/02/1995	1101
Extractable TPH	ND		50	ug/L	3510/M8015		11/02/1995	1101
Carbon range: C9 to C24	--						11/02/1995	1101

Ref: Shell 285 Hegenberger Road, Oakland, CA/951018-H2

SAMPLE DESCRIPTION: EB
Date Taken: 10/18/1995
Time Taken:
NET Sample No: 254176

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M Shell+MTBE								
DILUTION FACTOR*	1						11/01/1995	3310
Purgeable TPH	ND		50	ug/L	8015		11/01/1995	3310
Carbon Range: C6 to C12	--				8015		11/01/1995	3310
METHOD 8020 (GC, Liquid)	--				8020		11/01/1995	3310
Benzene	ND		0.5	ug/L	8020		11/01/1995	3310
Toluene	ND		0.5	ug/L	8020		11/01/1995	3310
Ethylbenzene	ND		0.5	ug/L	8020		11/01/1995	3310
Xylenes (Total)	ND		0.5	ug/L	8020		11/01/1995	3310
Methyl-tert-butyl ether	ND		2	ug/L	8020		11/01/1995	3310
SURROGATE RESULTS	--						11/01/1995	3310
Bromofluorobenzene (SURR)	86			% Rec.	8020		11/01/1995	3310
METHOD 3510/8015-M (Shell)						10/25/1995		
DILUTION FACTOR*	1						11/02/1995	1101
Extractable TPH	ND		50	ug/L	3510/M8015		11/02/1995	1101
Carbon range: C9 to C24	--						11/02/1995	1101

Ref: Shell 285 Hegenberger Road, Oakland, CA/951018-H2

SAMPLE DESCRIPTION: TB
Date Taken: 10/18/1995
Time Taken:
NET Sample No: 254177

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M Shell+MTBE								
DILUTION FACTOR*	1						11/01/1995	3310
Purgeable TPH	ND		50	ug/L	8015		11/01/1995	3310
Carbon Range: C6 to C12	--				8015		11/01/1995	3310
METHOD 8020 (GC, Liquid)	--				8020		11/01/1995	3310
Benzene	ND		0.5	ug/L	8020		11/01/1995	3310
Toluene	ND		0.5	ug/L	8020		11/01/1995	3310
Ethylbenzene	ND		0.5	ug/L	8020		11/01/1995	3310
Xylenes (Total)	ND		0.5	ug/L	8020		11/01/1995	3310
Methyl-tert-butyl ether	ND		2	ug/L	8020		11/01/1995	3310
SURROGATE RESULTS	--						11/01/1995	3310
Bromofluorobenzene (SURR)	92			% Rec.	8020		11/01/1995	3310

Ref: Shell 285 Hegenberger Road, Oakland, CA/951018-H2

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV Standard % Recovery	CCV Standard Amount Found	CCV Standard Amount Expected	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 5030/8015-M Shell+MTBE							
Purgeable TPH	94.0	0.47	0.50	mg/L	10/31/1995	dat3	3310
Benzene	101.0	5.05	5.00	ug/L	10/31/1995	dat3	3310
Toluene	105.2	5.26	5.00	ug/L	10/31/1995	dat3	3310
Ethylbenzene	94.8	4.74	5.00	ug/L	10/31/1995	dat3	3310
Xylenes (Total)	96.7	14.5	15.0	ug/L	10/31/1995	dat3	3310
Bromofluorobenzene (SURR)	91.0	91	100	% Rec.	10/31/1995	dat3	3310
METHOD 5030/8015-M Shell+MTBE							
Purgeable TPH	94.0	0.47	0.50	mg/L	11/01/1995	aal	3317
Benzene	99.0	4.95	5.00	ug/L	11/01/1995	aal	3317
Toluene	100.4	5.02	5.00	ug/L	11/01/1995	aal	3317
Ethylbenzene	94.6	4.73	5.00	ug/L	11/01/1995	aal	3317
Xylenes (Total)	96.0	14.4	15.0	ug/L	11/01/1995	aal	3317
Bromofluorobenzene (SURR)	92.0	92	100	% Rec.	11/01/1995	aal	3317
METHOD 3510/8015-M (Shell)							
Extractable TPH	111.5	1115	1000	mg/L	11/02/1995	tts	1101
METHOD 3510/8015-M (Shell)							
Extractable TPH	111.0	1110	1000	mg/L	11/07/1995	tts	1102

Ref: Shell 285 Hegenberger Road, Oakland, CA/951018-H2

METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 5030/8015-M Shell+MTBE						
Purgeable TPH	ND	0.05	mg/L	10/31/1995	dat3	3310
Benzene	ND	0.5	ug/L	10/31/1995	dat3	3310
Toluene	ND	0.5	ug/L	10/31/1995	dat3	3310
Ethylbenzene	ND	0.5	ug/L	10/31/1995	dat3	3310
Xylenes (Total)	ND	0.5	ug/L	10/31/1995	dat3	3310
Methyl-tert-butyl ether	ND	2	ug/L	10/31/1995	dat3	3310
Bromofluorobenzene (SURR)	94		% Rec.	10/31/1995	dat3	3310
METHOD 5030/8015-M Shell+MTBE						
Purgeable TPH	ND	0.05	mg/L	11/01/1995	aal	3317
Benzene	ND	0.5	ug/L	11/01/1995	aal	3317
Toluene	ND	0.5	ug/L	11/01/1995	aal	3317
Ethylbenzene	ND	0.5	ug/L	11/01/1995	aal	3317
Xylenes (Total)	ND	0.5	ug/L	11/01/1995	aal	3317
Methyl-tert-butyl ether	ND	2	ug/L	11/01/1995	aal	3317
Bromofluorobenzene (SURR)	93		% Rec.	11/01/1995	aal	3317
METHOD 3510/8015-M (Shell)						
Extractable TPH	ND	0.05	mg/L	11/02/1995	tts	1101

Ref: Shell 285 Hegenberger Road, Oakland, CA/951018-H2

MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike % Rec.	Matrix Spike Dup % Rec.	RPD	Spike Amount	Sample Conc.	Matrix Spike Conc.	Matrix Spike Dup. Conc.	Units	Date Analyzed	Run Batch	Sample Spiked
METHOD 5030/8015-M Shell+MTBE											254126
Purgeable TPH	94.0	92.0	2.2	0.50	ND	0.47	0.46	mg/L	10/31/1995	3310	254126
Benzene	97.9	99.9	2.0	7.54	ND	7.38	7.53	ug/L	10/31/1995	3310	254126
Toluene	99.6	100.4	0.7	24.5	ND	24.4	24.6	ug/L	10/31/1995	3310	254126
METHOD 5030/8015-M Shell+MTBE											254180
Purgeable TPH	100.0	98.0	1.9	0.5	ND	0.5	0.49	mg/L	11/01/1995	3317	254180
Benzene	98.3	97.0	1.3	7.55	ND	7.42	7.32	ug/L	11/01/1995	3317	254180
Toluene	98.4	98.0	0.4	24.5	ND	24.1	24.0	ug/L	11/01/1995	3317	254180
METHOD 3510/8015-M (Shell)											254176
Extractable TPH	97.5	84.5	14.3	2.00	ND	1.95	1.69	mg/L	11/02/1995	1101	254176

Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 95.04139

Date: 11/08/1995
ELAP Cert: 1386
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Ref: Shell 285 Hegenberger Road, Oakland, CA/951018-H2

LABORATORY CONTROL SAMPLE REPORT

Parameter	LCS % Recovery	Duplicate LCS % Recovery	RPD	LCS Amount Found	Duplicate LCS Amount Found	LCS Amount Expected	Units	Date Analyzed	Analyst Initials	Run Batch
METHOD 3510/8015-M (Shell)										
Extractable TPH	66.0			0.66		1.00	mg/L	11/02/1995	tts	1101

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
*	:	Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
ICVS	:	Initial Calibration Verification Standard (External Standard).
mean	:	Average; sum of measurements divided by number of measurements.
mg/Kg (ppm)	:	Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
mg/L	:	Concentration in units of milligrams of analyte per liter of sample.
mL/L/hr	:	Milliliters per liter per hour.
MPN/100 mL	:	Most probable number of bacteria per one hundred milliliters of sample.
N/A	:	Not applicable.
NA	:	Not analyzed.
ND	:	Not detected; the analyte concentration is less than applicable listed reporting limit.
NTU	:	Nephelometric turbidity units.
RPD	:	Relative percent difference, 100 [Value 1 - Value 2]/mean value.
SNA	:	Standard not available.
ug/Kg (ppb)	:	Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
ug/L	:	Concentration in units of micrograms of analyte per liter of sample.
umhos/cm	:	Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.

COOLER RECEIPT FORM

roject: 951018-H2 Log No: 8876
ooler received on: 10/20/95 and checked on 10/20/95 by BmGreene
(signature)

ere custody papers present?..... YES NO
ere custody papers properly filled out?..... YES NO
ere the custody papers signed?..... YES NO
as sufficient ice used?..... YES NO Temp 0°
id all bottles arrive in good condition (unbroken)?..... YES NO
id bottle labels match COC?..... YES NO
ere proper bottles used for analysis indicated?..... YES NO
orrect preservatives used?..... YES NO
OA vials checked for headspace bubbles?..... YES NO
Note which voas (if any) had bubbles:*

ample descriptor:	Number of vials:
MW-4	2
MW-11	
MW-12	
TB	

All VOAs with headspace bubbles have been set aside so they will not be used for analysis..... YES NO

ist here all other jobs received in the same cooler:

lient Job #	NET log #

(coolerrec)

SHELL WELL MONITORING DATA SHEET

Project #: 951018-H2	Wic #: 204-5508-5504
Sampler: TNH	Start Date: 10/18/95
Well I.D.: MW-1	Well Diameter: (circle one) 2 3 4 6 ____
Total Well Depth: Before ____ After ____	Depth to Water: Before ____ After ____
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: PVC Grade Other:	

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

____ X ____ = ____

1 Case Volume Specified Volumes gallons

Purging: Bailer
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other____

Sampling: Bailer
Disposable Bailer
Extraction Port
Other____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
	INACCESSABLE		TO SAMPLE DUE (OR GAUGE)		TO CONSTRUCTION	

Did Well Dewater? If yes, gals. Gallons Actually Evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

SHELL WELL MONITORING DATA SHEET

Project #: 95101B-H2	Wic #: 204-5508-5504
Sampler: TNH	Start Date: 10/18/95
Well I.D.: MW-2	Well Diameter: (circle one) 2 3 (4) 6 ____
Total Well Depth: Before 9.55 After	Depth to Water: Before 5.88 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

_____ x _____ = _____

1 Case Volume | Specified Volumes | gallons

Purging: Bailer
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
Disposable Bailer
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
	INACCESSABLE	DUE TO	CONSTRUCTION			

Did Well Dewater? If yes, gals. Gallons Actually Evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

SHELL WELL MONITORING DATA SHEET

Project #: 951018-H2	Wic #: 204-5508-5504
Sampler: TNH	Start Date: 10/18/95
Well I.D.: MW-3	Well Diameter: (circle one) 2 3 (4) 6 ____
Total Well Depth: Before 9.40 After	Depth to Water: Before 5.72 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

2.4 (1 Case Volume) x 3 (Specified Volumes) = 7.2 gallons

Purging: Bailer
Disposable Bailer
Middleburg
Electric Submersible ✓
Extraction Pump
Other_____

Sampling: Bailer ✓
Disposable Bailer
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1321	72.8	7.5	1100	41.7	3	
1322	75.2	7.0	1000	25.1	5	DO= 2.3 mg/L
1323	WELL DEWATERED					
16:13	DTW 6.75					
16:16	74.4	7.1	1000	20.7		

Did Well Dewater? YES If yes, gals. 5 Gallons Actually Evacuated: 5

Sampling Time: 1625 Sampling Date: 10/18/95

Sample I.D.: MW-3 Laboratory: NET

Analyzed for: (TPH-G) (BTEX) (TPH-D) OTHER: OIL & GREASE

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:

SHELL WELL MONITORING DATA SHEET

Project #: 95/018-H2	Wic #: 204-5508-5504
Sampler: TNH	Start Date: 10/18/95
Well I.D.: MW-4	Well Diameter: (circle one) 2 3 (4) 6 ____
Total Well Depth: Before 6.05 After	Depth to Water: Before 6.63 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1 Case Volume	x	Specified Volumes	=	gallons
2.2	x	3	=	6.6

Purging: Bailer
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
Disposable Bailer
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1336	74.2	6.8	1000	19.8	3	
1337	73.8	7.0	900	16.3	5 DO= 2.7 mg/L	
1338	WELL DEWATERED					
1640	DTW-	8.50				
850	DTW=	8.41				

Did Well Dewater? YES If yes, gals. 5 Gallons Actually Evacuated: 5

Sampling Time: 9:16 Sampling Date: 10/19/95

Sample I.D.: MW-4 Laboratory: NET

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

Duplicate I.D.: DUP Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

SHELL WELL MONITORING DATA SHEET

Project #: 95018-H2	Wic #: 204-5508-5504
Sampler: TNH	Start Date: 10/18/95
Well I.D.: MW-5	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 9.66 After	Depth to Water: Before 5.67 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (TOC)	Grade Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

_____ X _____ = _____

1 Case Volume Specified Volumes gallons

Purging: Bailer
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
Disposable Bailer
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
	UNABLE TO SAMPLE			DUE TO CONSTRUCTION		

Did Well Dewater? If yes, gals. Gallons Actually Evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

SHELL WELL MONITORING DATA SHEET

Project #: 95108-H2	Wic #: 204-5508-5504
Sampler: TNH	Start Date: 10/18/95
Well I.D.: MW-6	Well Diameter: (circle one) 2 3 (4) 6 ____
Total Well Depth: Before 10.97 After	Depth to Water: Before 5.86 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC)	Grade Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

_____ X _____ = _____

1 Case Volume Specified Volumes gallons

Purging: Bailer
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
Disposable Bailer
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
	INACCESSABLE DUE TO CONSTRUCTION					

Did Well Dewater? If yes, gals. Gallons Actually Evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

SHELL WELL MONITORING DATA SHEET

Project #: 95108-H2	Wic #: 204-5508-5504
Sampler: TNH	Start Date: 10/18/95
Well I.D.: MW-7	Well Diameter: (circle one) 2 3 (4) 6 ____
Total Well Depth: Before 9.89 After	Depth to Water: Before 5.25 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (TVC)	Grade Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

_____ X _____ = _____

1 Case Volume Specified Volumes gallons

Purging: Bailer
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
Disposable Bailer
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
	INACCESSABLE DUE TO CONSTRUCTION					

Did Well Dewater? If yes, gals. Gallons Actually Evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

SHELL WELL MONITORING DATA SHEET

Project #: 95018-H2 Wic #: 204-5508-5504

Sampler: TNH Start Date: 10/18/95

Well I.D.: MW-8 Well Diameter: (circle one) 2 3 (4) 6 ____

Total Well Depth: Depth to Water:

Before 9.88 After Before 5.58 After

Depth to Free Product: Thickness of Free Product (feet):

Measurements referenced to: (TOC) Grade Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

____ x ____ = ____

1 Case Volume Specified Volumes gallons

Purging: Bailer
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other____

Sampling: Bailer
Disposable Bailer
Extraction Port
Other____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
	INACCESSABLE		DUE TO	CONSTRUCTION		

Did Well Dewater? If yes, gals. Gallons Actually Evacuated:

Sampling Time: Sampling Date:

Sample I.D.: MW-8 Laboratory:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

SHELL WELL MONITORING DATA SHEET

Project #: 95101B-H2	Wic #: 204-5508-5504
Sampler: TNH	Start Date: 10/18/95
Well I.D.: MW-9	Well Diameter: (circle one) 2 3 (4) 6 ____
Total Well Depth: Before 10.68 After	Depth to Water: Before 5.82 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC)	Grade Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

_____ X _____ = _____

1 Case Volume | Specified Volumes | gallons

Purging: Bailer
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
Disposable Bailer
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
	INACCESSABLE DUE TO CONSTRUCTION					

Did Well Dewater? If yes, gals. Gallons Actually Evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

SHELL WELL MONITORING DATA SHEET

Project #: 951018-H2 Wic #: 204-5508-5504

Sampler: TNH Start Date: 10/18/95

Well I.D.: MW-10 Well Diameter: (circle one) 2 3 (4) 6 ____

Total Well Depth: Depth to Water:

Before 5.31 After Before 9.94 After

Depth to Free Product: Thickness of Free Product (feet):

Measurements referenced to: (PVC) Grade Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

_____ X _____ = _____

1 Case Volume Specified Volumes gallons

Purging: Bailer
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
Disposable Bailer
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
	INACCESSABLE DUE TO CONSTRUCTION					

Did Well Dewater? If yes, gals. Gallons Actually Evacuated:

Sampling Time: Sampling Date:

Sample I.D.: MW-10 Laboratory:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

SHELL WELL MONITORING DATA SHEET

Project #: 951018-H2	Wic #: 204-5508-5504
Sampler: TNH	Start Date: 10/18/95
Well I.D.: MW-11	Well Diameter: (circle one) 2 3 (4) 6 ____
Total Well Depth: Before 13.82 After	Depth to Water: Before 8.34 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

3.6 (1 Case Volume) x 3 (Specified Volumes) = 10.8 gallons

Purging: Bailer
Disposable Bailer
Middleburg
Electric Submersible ✓
Extraction Pump
Other_____

Sampling: Bailer ✓
Disposable Bailer
Extraction Port
Other_____

TIME	TEMP. (F)	PH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1251	76.0	7.2	5600	45.3	4	
1252	71.4	7.2	1200	18.2	8	DO: 3.4 mg/L
1253	WELL	DEWATERED				
1520	DTW = 10.38					
1528	72.4	7.1	1100	9.3		

Did Well Dewater? YES If yes, gals. Gallons Actually Evacuated: 8

Sampling Time: 1535 Sampling Date: 10/18/95

Sample I.D.: MW-11 Laboratory:

Analyzed for: (TPH-G) (BTEX) (TPH-D) OTHER: O&G ~~& GREASE~~

Duplicate I.D.: Cleaning Blank I.D.: EB @ 1526

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

SHELL WELL MONITORING DATA SHEET

Project #: 9510BH2	Wic #: 204-5508-5504
Sampler: TNH	Start Date: 10/18/95
Well I.D.: MW-12	Well Diameter: (circle one) 2 3 (4) 6 ____
Total Well Depth: Before 14.56 After	Depth to Water: Before 6.63 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1 Case Volume	x	Specified Volumes	=	gallons
5.2	x	3	=	15.6

Purging: Bailer
Disposable Bailer
Middleburg
Electric Submersible X
Extraction Pump
Other_____

Sampling: Bailer X
Disposable Bailer
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1304	75.4	6.8	840	13.5	6	
1305	74.2	7.0	860	17.2	11	DO=3.3MG/L
1306	WELL DEWATERED					
1545	DTW-	10:02				
1548	69.6	7.1	900	23.6		

Did Well Dewater? YES If yes, gals. 11 Gallons Actually Evacuated: 11

Sampling Time: 1600 Sampling Date: 10/18/95

Sample I.D.: MW-12 Laboratory: NET

Analyzed for: (TPH-G) (BTEX) (TPH-D) OTHER:
(Circle) OIL & GREASE

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

SHELL WELL MONITORING DATA SHEET

Project #: 95018-42	Wic #: 204-5508-5504
Sampler: JNH	Start Date: 10/18/95
Well I.D.: MW-13	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 14.31 After	Depth to Water: Before 8.12 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

4.0 (1 Case Volume) x 3 (Specified Volumes) = 12 gallons

Purging: Bailer
Disposable Bailer
Middleburg
Electric Submersible X
Extraction Pump
Other_____

Sampling: Bailer X
Disposable Bailer
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
12:39	74.2	7.4	1000	18.1	4	
12:40	71.4	7.1	900	9.3	8	DO= 2.7 mg/L
12:41	WELL	DEWATERED				
15:00	DTW	= 10.15				
15:03	71.6	7.0	1000	22.		

Did Well Dewater? YES If yes, gals. 8 Gallons Actually Evacuated: 8

Sampling Time: 15:15 Sampling Date: 10/18/95

Sample I.D.: MW-13 Laboratory: MET

Analyzed for: (TPH-G) (BTEX) (TPH-D) OTHER: (Circle) O&G & GREASE

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER: (Circle)

WELL HEAD INSPECTION CHECKLIST AND REPAIR ORDER

Client SHELL Site # 204-5508-5504 Inspection date: 10/18/95

Site address 285 HEGENBERGER RD Inspected by: TNH

OAKLAND CA BTS Event # 951018-H2

1. Lid on the box? Yes No	5. Water standing in the well box?	7. Can cap be pulled loose?
2. Lid whole?	5a. Standing above well top?	8. Can cap seal out water?
3. Lid secure?	5b. Standing below well top?	9. Padlock present?
4. Lid seal intact?	5c. Water even with top of well cap?	10. Padlock found locked?
	6. Well cap/plug present?	11. Padlock functional?

☑ Check box if *no deficiences* were found. Note below deficiencies you were able to correct.

Well I.D.	Deficiency	Corrective Action Taken

Note below all deficiences that could not be corrected and *still need to be corrected.*

Well I.D.	Persisting Deficiency	BTS Office assigns or defers Correction to:	Date assigned	Date corrected

Office review and assignments made by _____ date _____

ATTACHMENT B

SOIL DISPOSAL DOCUMENTATION

DISPOSAL CONFIRMATION

Consultant:	PACIFIC ENVIRONMENTAL GROUP
Contact:	RHONDA BARRICK
Phone/Fax:	408-441-7500 FAX 408-441-7539
Client:	SHELL OIL COMPANY
Station #/Wic #:	204-5508-5504
Site Address:	285 HEGENBERGER
City/State:	OAKLAND, CA
Estimated YD/Ton:	100 YARDS
Actual YD/Ton:	122.44 TONS
Disposal Facility:	BFI, LIVERMORE
Disposal Date:	OCTOBER 10, 1995
Contact:	DAVE SCHOENHERR
Phone #:	510-447-0491
Hauler:	MANLEY & SONS TRUCKING, INC.
Contact:	TIM A. MANLEY
Phone #:	(916) 381-6864
Fax #:	(916) 381-1573

Date & Time Faxed

10/19/95 2:42 PM

3636

DISPOSAL CONFIRMATION

Consultant:	PACIFIC ENVIRONMENTAL GROUP
Contact:	RHONDA DEJUNG
Phone/Fax:	408-441-7500 FAX 408-441-7539
Client:	SHELL OIL COMPANY
Station #/Wic #:	204-5508-5504
Site Address:	285 HEGENBERGER
City/State:	OAKLAND, CA
Estimated YD/Ton:	100 YARDS
Actual YD/Ton:	38.22 TONS
Disposal Facility:	BFI, LIVERMORE
Disposal Date:	OCTOBER 19, 1995
Contact:	DAVE SCHOENHERR
Phone #:	510-447-0491
Hauler:	MANLEY & SONS TRUCKING, INC.
Contact:	TIM A. MANLEY
Phone #:	(916) 381-6864
Fax #:	(916) 381-1573

3679

Date & Time Faxed
11-0-95 9:40

DISPOSAL CONFIRMATION

Consultant:	PACIFIC ENVIRONMENTAL GROUP
Contact:	RHONDA DEJUNG
Phone/Fax:	408-441-7500 FAX 408-441-7539
Client:	SHELL OIL COMPANY
Station #/Wic #:	204-5508-5504
Site Address:	285 HEGENBERGER
City/State:	OAKLAND, CA
Estimated YD/Ton:	35 YARDS
Actual YD/Ton:	88.28 TONS
Disposal Facility:	BFI, LIVERMORE
Disposal Date:	NOVEMBER 1, 1995
Contact:	DAVE SCHOENHERR
Phone #:	510-447-0491
Hauler:	MANLEY & SONS TRUCKING, INC.
Contact:	TIM A. MANLEY
Phone #:	(916) 381-6864
Fax #:	(916) 381-1573

3997

Date & Time Faxed

DISPOSAL CONFIRMATION

Consultant:	PACIFIC ENVIRONMENTAL GROUP
Contact:	RHONDA DEJUNG
Phone/Fax:	408-441-7500 FAX 408-441-7539
Client:	SHELL OIL COMPANY
Station #/Wic #:	204-5508-5504
Site Address:	285 HEGENBERGER
City/State:	OAKLAND, CA
Estimated YD/Ton:	35 YARDS
Actual YD/Ton:	58.51 TONS
Disposal Facility:	BFI, LIVERMORE
Disposal Date:	DECEMBER 4, 1995
Contact:	DAVE SCHOENHERR
Phone #:	510-447-0491
Hauler:	MANLEY & SONS TRUCKING, INC.
Contact:	TIM A. MANLEY
Phone #:	(916) 381-6864
Fax #:	(916) 381-1573

4113

Date & Time Faxed
12-15-95 1:20