



PACIFIC  
ENVIRONMENTAL  
GROUP, INC.

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October 10, 1994  
Project 305-094.2B

Mr. Lynn Walker  
Shell Oil Company  
P.O. Box 4023  
Concord, California 94524

Re: Quarterly Report - Third Quarter 1994  
Former Shell Service Station  
2724 Castro Valley Boulevard at Lake Chabot Road  
Castro Valley, California  
WIC No 204-1381-0407

Dear Mr. Walker:

The following presents the results of the third quarter 1994 monitoring program for the site referenced above. This letter has been prepared for Shell Oil Company by Pacific Environmental Group, Inc. (PACIFIC).

## FINDINGS

Groundwater monitoring wells were gauged and sampled by Blaine Tech Services, Inc. (Blaine) at the direction of PACIFIC on August 4, 1994. Groundwater elevation contours for the sampling date are shown on Figure 1. Table 1 presents groundwater elevation data. Blaine's groundwater sampling report is presented as Attachment A, and includes field data.

Groundwater analytical data are presented in Tables 2 and 3. Total petroleum hydrocarbons calculated as gasoline (TPH-g), benzene, and TPH calculated as diesel (TPH-d) concentrations for the August 1994 sampling event are shown on Figure 2. None of the wells contained TPH-g, benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) with the exception of the duplicate sample taken from Well MW-2. The laboratory noted Wells MW-1, MW-2, MW-3, MW-5, MW-7, and MW-8 to contain positive results of TPH-d. The laboratory noted these results to be an unknown hydrocarbon consisting of several peaks.

PACIFIC intends to implement the reduced sampling frequency recommended in the second quarter 1994 report. Beginning in the fourth quarter of 1994,

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Wells MW-1, MW-3, MW-5, OWM-6, OWM-8, and OWM-9 will be sampled semiannually. Wells MW-2 and MW-7 will continue to be monitored on a quarterly basis.

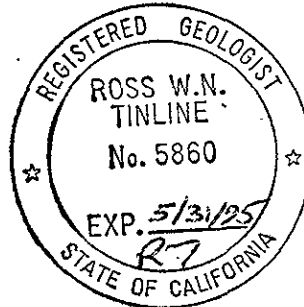
If you have any questions regarding the contents of this letter, please call.

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  
(TPH as Gasoline and BTEX Compounds)  
Table 3 - Groundwater Analytical Data -  
Total Petroleum Hydrocarbons  
(TPH as Diesel and Motor Oil)  
Figure 1 - Groundwater Elevation Map  
Figure 2 - TPH-g/Benzene/TPH-d Concentration Map  
Attachment A - Groundwater Sampling Report

cc: Mr. Scott Seery, Alameda County Department of Environmental Health  
Mr. Richard Hiatt, Regional Water Quality Control Board  
Dr. Mohsen Mehran, Owner Consultant  
Mr. Richard Finn, Larson and Burnham  
Mr. Matthew Righetti, Righetti Law Firm  
Mr. Richard A. Schoenberger, Esq., Walkup, Shelby, Bastian, Melodia, Kelly,  
Echeverria and Link  
Ms. Judy Robertson, Shell Oil Company  
Mr. Jeff Holland, Shell Oil Company

Table 1  
Groundwater Elevation Data

Former Shell Service Station  
2724 Castro Valley Boulevard at Lake Chabot Road  
Castro Valley, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-1	02/08/90	99.78	8.39	91.39
	04/20/90		9.21	90.57
	07/30/90		9.21	90.57
	10/25/90		9.44	90.34
	01/15/91		9.11	90.67
	04/19/91		5.58	94.20
	07/16/91		7.58	92.20
	10/08/91		8.25	91.53
	02/04/92		8.52	91.26
	04/06/92		6.75	93.03
	08/26/92		9.89	89.89
	11/06/92		9.01	90.77
	02/18/93		160.54	4.33
	06/04/93	8.26		152.28
	09/10/93	9.04		151.50
	11/17/93	9.15		151.39
	02/28/94	4.28		156.26
	05/26/94	7.56		152.98
	08/04/94	8.74		151.80
MW-2	02/08/90	100.83	7.33	93.50
	04/20/90		8.63	92.20
	07/30/90		8.78	92.05
	10/25/90		9.50	91.33
	01/15/91		8.52	92.31
	04/19/91		6.90	93.93
	07/16/91		9.01	91.82
	10/08/91		8.82	92.01
	02/04/92		7.46	93.37
	04/06/92		6.91	93.92
	08/26/92		9.28	91.55
	11/06/92		8.59	92.24
	02/18/93		----- Well Inaccessible -----	
	06/04/93	----- Well Inaccessible -----		
	09/10/93	----- Well Inaccessible -----		
	11/17/93	----- Well Inaccessible -----		
	02/28/94	----- Well Inaccessible -----		
05/26/94		8.40	NA	
08/04/94		9.38	NA	
MW-3	02/08/90	101.48	8.91	92.57
	04/20/90		10.20	91.28
	07/30/90		10.61	90.87
	10/25/90		10.00	91.48
	01/15/91		9.74	91.74

Table 1 (continued)  
Groundwater Elevation Data

Former Shell Service Station  
2724 Castro Valley Boulevard at Lake Chabot Road  
Castro Valley, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-3 (cont.)	04/19/91		7.92	93.56
	07/16/91		9.40	92.08
	10/08/91		9.62	91.86
	02/04/92		8.74	92.74
	04/06/92		7.12	94.36
	08/26/92		9.58	91.90
	11/06/92		8.95	92.53
	02/18/93	162.24	6.79	155.45
	06/04/93		8.48	153.76
	09/10/93		9.84	152.40
	11/17/93		9.78	152.46
	02/28/94		8.44	153.80
	05/26/94		8.74	153.50
	08/04/94		9.62	152.62
	MW-5	02/08/90	99.90	8.80
04/20/90			9.35	90.55
07/30/90			9.49	90.41
10/25/90			10.12	89.78
01/15/91			9.26	90.64
04/19/91			6.52	93.38
07/16/91			9.12	90.78
10/08/91			9.22	90.68
02/04/92			8.13	91.77
04/06/92			5.53	94.37
08/26/92			9.25	90.65
11/06/92			9.02	90.88
02/18/93		160.68	3.60	157.08
06/04/93			7.08	153.60
09/10/93			9.92	150.76
11/17/93			9.86	150.82
02/28/94			7.56	153.12
05/26/94		8.38	152.30	
08/04/94		9.22	151.46	
OMW-6	07/16/91	101.48	8.60	92.88
	10/08/91		8.82	92.66
	02/04/92		7.47	94.01
	04/06/92		5.80	95.68
	08/26/92		9.18	92.30
	11/06/92		8.29	93.19
	02/18/93	162.22	5.83	156.39
	06/04/93		7.14	155.08
	09/10/93		8.78	153.44

Table 1 (continued)  
Groundwater Elevation Data

Former Shell Service Station  
2724 Castro Valley Boulevard at Lake Chabot Road  
Castro Valley, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
OMW-6 (cont.)	11/17/93		8.74	153.48
	02/28/94		5.16	157.06
	05/26/94		6.89	155.33
	08/04/94		8.56	153.66
MW-7	07/16/91	99.54	8.70	90.84
	10/08/91		8.74	90.80
	02/04/92		7.78	91.76
	04/06/92		5.87	93.67
	08/26/92		8.93	90.61
	11/06/92		8.51	91.03
	02/18/93		----- Well Inaccessible -----	
	06/04/93		----- Well Inaccessible -----	
	09/10/93		----- Well Inaccessible -----	
	11/17/93		----- Well Inaccessible -----	
	02/28/94		2.99	NA
	05/26/94		6.05	NA
	08/04/94		8.68	NA
	OMW-8	07/16/91	100.18	8.40
10/08/91			8.74	91.44
02/04/92			8.22	91.96
04/06/92			6.82	93.36
08/26/92			9.15	91.03
11/06/92			8.69	91.49
02/18/93		160.92	7.59	153.33
06/04/93			7.88	153.04
09/10/93			8.58	152.34
11/17/93			8.72	152.20
02/28/94			7.64	153.28
05/26/94			7.77	153.15
08/04/94			8.72	152.20
OMW-9		03/03/93	158.81	9.16
	06/04/93		9.52	149.29
	09/10/93		9.23	149.58
	11/17/93		----- Well Paved Over -----	
	02/28/94		9.24	149.57
	05/26/94		9.68	149.13
	08/04/94		9.92	148.89

MSL = Mean sea level  
TOC = Top of casing  
NA Not available, survey required.  
Elevations prior to February 18, 1993 are to a temporary bench mark.  
Elevations after February 18, 1993 are to MSL.

Table 2  
**Groundwater Analytical Data**  
 Total Petroleum Hydrocarbons  
 (TPH as Gasoline and BTEX Compounds)

Former Shell Service Station  
 2724 Castro Valley Boulevard at Lake Chabot Road  
 Castro Valley, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	
MW-1	02/09/90	<1,000	0.58	0.63	<0.5	<0.5	
	04/20/90	<50	<0.5	<0.5	<0.5	<0.5	
	07/31/90	<50	<0.5	<0.5	<0.5	<0.5	
	10/25/90	100	<0.5	<0.5	<0.5	<0.6	
	01/15/91	60	<0.5	<0.5	<0.5	<0.5	
	01/15/91	<50	<0.5	<0.5	<0.5	<0.5	
	04/19/91	<50	7.7	<0.5	<0.5	<0.5	
	04/19/91	<50	7.4	<0.5	<0.5	<0.5	
	07/16/91	<50	<0.5	<0.5	<0.5	<0.5	
	10/08/91	<50	<0.5	<0.5	<0.5	<0.5	
	02/04/92	<50	<0.5	<0.5	<0.5	<0.5	
	04/06/92	50	<0.5	<0.5	<0.5	<0.5	
	08/26/92	<50	<0.5	<0.5	<0.5	<0.5	
	11/12/92	<50	<0.5	<0.5	<0.5	<0.5	
	02/18/93	<50	<0.5	<0.5	<0.5	<0.5	
	06/04/93	<50	<0.5	<0.5	<0.5	<0.5	
	09/10/93	<50	<0.5	<0.5	<0.5	<0.5	
	11/17/93	<50	<0.5	<0.5	<0.5	<0.5	
	02/28/94	<50	<0.5	<0.5	<0.5	<0.5	
	05/26/94	<50	<0.5	<0.5	<0.5	<0.5	
08/04/94	<50	<0.5	<0.5	<0.5	<0.5		
MW-2	02/09/90	8,600	360	410	6.5	670	
	04/20/90	9,100	500	330	110	900	
	07/31/90	5,300	550	38	<0.5	280	
	10/25/90	4,800	490	22	21	156	
	01/15/91	5,700	320	29	120	530	
	04/19/91	3,900	100	77	100	93	
	07/16/91	1,800	100	5.8	41	31	
	07/16/91	2,700	130	7.6	62	45	
	10/08/91	1,000	17	<0.5	25	25	
	02/04/92	1,700	190	5.8	18	110	
	04/06/92	3,800	930	50	110	190	
	05/03/92	2,400	610	8.8	90	<0.5	
	08/26/92	520	36	2.0	12	7.9	
	08/26/92(D)	450	33	1.7	11	3.4	
	11/12/92	310	30	6.2	5.1	4.3	
	11/12/92(D)	360	31	6.5	5.1	4.4	
	02/18/93	-----	-----	-----	-----	-----	-----
	06/04/93	-----	-----	-----	-----	-----	-----
	09/10/93	-----	-----	-----	-----	-----	-----
	11/17/93	-----	-----	-----	-----	-----	-----
02/28/94	-----	-----	-----	-----	-----	-----	

Table 2 (continued)  
**Groundwater Analytical Data**  
 Total Petroleum Hydrocarbons  
 (TPH as Gasoline and BTEX Compounds)

Former Shell Service Station  
 2724 Castro Valley Boulevard at Lake Chabot Road  
 Castro Valley, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
MW-2 (cont.)	05/26/94	480	14	<0.5	2.1	3.4
	05/26/94(D)	460	14	<0.5	2.1	3.3
	08/04/94	<50	<0.5	<0.5	<0.5	<0.5
	08/04/94(D)	70	<0.5	<0.5	<0.5	<0.5
MW-3	02/09/90	<1,000	<0.5	<0.5	<0.5	<0.5
	04/20/90	<50	<0.5	<0.5	<0.5	<0.5
	07/31/90	<50	<0.5	<0.5	<0.5	<0.5
	10/25/90	<50	<0.5	<0.5	<0.6	<0.6
	01/15/91	<50	<0.5	<0.5	<0.5	<0.5
	04/19/91	<50	<0.5	<0.5	<0.5	<0.5
	07/16/91	<50	<0.5	<0.5	<0.5	<0.5
	10/08/91	<50	<0.5	<0.5	<0.5	<0.5
	02/04/92	<50	4	2	7	3.2
	04/06/92	<50	<0.5	<0.5	<0.5	<0.5
	08/26/82	<50	<0.5	<0.5	<0.5	<0.5
	11/12/92	<50	<0.5	<0.5	<0.5	<0.5
	02/18/93	<50	<0.5	<0.5	<0.5	<0.5
	06/04/93	<50	<0.5	<0.5	<0.5	<0.5
	06/04/93(D)	<50	<0.5	<0.5	<0.5	<0.5
	09/10/93	<50	<0.5	<0.5	<0.5	<0.5
	09/10/93(D)	<50	<0.5	<0.5	<0.5	<0.5
	11/17/93	<50	<0.5	<0.5	<0.5	<0.5
	11/17/93(D)	<50	<0.5	<0.5	<0.5	<0.5
	02/28/94	<50	<0.5	<0.5	<0.5	<0.5
05/26/94	<50	<0.5	<0.5	<0.5	<0.5	
08/04/94	<50	<0.5	<0.5	<0.5	<0.5	
MW-5	02/09/90	<1,000	<0.5	<0.5	<0.5	<0.5
	04/20/90	<50	<0.5	<0.5	<0.5	<0.5
	07/31/90	<50	<0.5	<0.5	<0.5	<0.5
	10/25/90	<50	<0.5	<0.7	<0.6	<0.6
	01/15/91	<50	<0.5	<0.5	<0.5	<0.5
	04/19/91	<50	<0.5	<0.5	<0.5	<0.5
	07/16/91	<50	<0.5	<0.5	<0.5	<0.5
	10/08/91	<50	<0.5	<0.5	<0.5	<0.5
	02/04/92	<50	<0.5	<0.5	<0.5	<0.5
	04/06/92	<50	<0.5	<0.5	<0.5	<0.5
	08/26/92	<50	<0.5	<0.5	<0.5	<0.5
	11/12/92	<50	<0.5	<0.5	<0.5	<0.5
	02/18/93	<50	<0.5	<0.5	<0.5	<0.5
	06/04/93	<50	<0.5	<0.5	<0.5	<0.5
	09/10/93	<50	<0.5	<0.5	<0.5	<0.5
11/17/93	<50	<0.5	<0.5	<0.5	<0.5	

Table 2 (continued)  
**Groundwater Analytical Data**  
 Total Petroleum Hydrocarbons  
 (TPH as Gasoline and BTEX Compounds)

Former Shell Service Station  
 2724 Castro Valley Boulevard at Lake Chabot Road  
 Castro Valley, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	
MW-5 (cont.)	02/28/94	<50	<0.5	<0.5	<0.5	<0.5	
	02/28/94(D)	<50	<0.5	<0.5	<0.5	<0.5	
	05/26/94	<50	<0.5	<0.5	<0.5	<0.5	
	08/04/94	<50	<0.5	<0.5	<0.5	<0.5	
OMW-6	07/16/91	<50	<0.5	<0.5	<0.5	<0.5	
	10/08/91	<50	<0.5	<0.5	<0.5	<0.5	
	02/04/92	<50	<0.5	<0.5	<0.5	<0.5	
	04/06/92	<50	<0.5	<0.5	<0.5	<0.5	
	08/26/92	<50	<0.5	<0.5	<0.5	<0.5	
	11/12/92	<50	<0.5	<0.5	<0.5	<0.5	
	02/18/93	<50	<0.5	<0.5	<0.5	<0.5	
	02/18/93(D)	<50	<0.5	<0.5	<0.5	<0.5	
	06/04/93	<50	<0.5	<0.5	<0.5	<0.5	
	09/10/93	50**	<0.5	<0.5	<0.5	<0.5	
	11/17/93	<50	<0.5	<0.5	<0.5	<0.5	
	02/28/94	<50	<0.5	<0.5	<0.5	<0.5	
	05/26/94	<50	<0.5	<0.5	<0.5	<0.5	
	08/04/94	<50	<0.5	<0.5	<0.5	<0.5	
MW-7	07/16/91	1,300	440	140	6.9	160	
	10/08/91	520	230	36	26	54	
	02/04/92	640	130	51	26	79	
	04/06/92	80	32	1.7	2.3	4.4	
	05/13/92	<50	3.1	1.7	0.9	3.8	
	08/26/92	63	1.0	<0.5	2.6	<0.5	
	11/12/92	73	11	<0.5	3.7	<0.5	
	02/18/93	----- Well Inaccessible -----					
	06/04/93	----- Well Inaccessible -----					
	09/10/93	----- Well Inaccessible -----					
	11/17/93	----- Well Inaccessible -----					
	02/28/94	<50	<0.5	<0.5	<0.5	<0.5	
	05/26/94	<50	<0.5	<0.5	<0.5	<0.5	
	08/04/94	<50	<0.5	<0.5	<0.5	<0.5	
OMW-8	07/16/91	<50	<0.5	0.8	<0.5	<0.5	
	10/08/91	<50	<0.5	<0.5	<0.5	<0.5	
	02/04/92	<50	0.9	1.9	0.6	3.6	
	04/06/92	<50	<0.5	<0.5	<0.5	<0.5	
	08/26/92	<50	<0.5	<0.5	<0.5	<0.5	
	11/12/92	<50	<0.5	<0.5	<0.5	<0.5	
	02/18/93	180*	<0.5	<0.5	<0.5	<0.5	
	06/04/93	<50	<0.5	<0.5	<0.5	<0.5	
	09/10/93	<50	<0.5	<0.5	<0.5	<0.5	



Table 2 (continued)  
**Groundwater Analytical Data**  
 Total Petroleum Hydrocarbons  
 (TPH as Gasoline and BTEX Compounds)

Former Shell Service Station  
 2724 Castro Valley Boulevard at Lake Chabot Road  
 Castro Valley, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	
OMW-8 (cont.)	11/17/93	<50	<0.5	<0.5	<0.5	<0.5	
	02/28/94	<50	<0.5	<0.5	<0.5	<0.5	
	05/26/94	<50	<0.5	<0.5	<0.5	<0.5	
	08/04/94	<50	<0.5	<0.5	<0.5	<0.5	
OMW-9	03/03/93	<50	<0.5	<0.5	<0.5	<0.5	
	06/04/93	<50	<0.5	<0.5	<0.5	<0.5	
	09/10/93	<50	<0.5	<0.5	<0.5	<0.5	
	11/17/93	----- Well Paved Over -----					
	02/28/94	<50	<0.5	<0.5	<0.5	<0.5	
	05/26/94	<50	<0.5	<0.5	<0.5	<0.5	
	08/04/94	<50	<0.5	<0.5	<0.5	<0.5	

ppb = Parts per billion  
 < = Denotes minimum laboratory detection limits.  
 (D) = Duplicate sample  
 \* = Concentration due to the presence of a heavier petroleum hydrocarbon range.  
 \*\* = Concentration due to the presence of a discrete peak not indicative of gasoline.

Table 3  
**Groundwater Analytical Data**  
 Total Petroleum Hydrocarbons  
 (TPH as Diesel and Motor Oil)

Former Shell Service Station  
 2724 Castro Valley Boulevard at Lake Chabot Road  
 Castro Valley, California

Well Number	Date Sampled	TPH as Diesel (ppb)	Motor Oil (ppb)
MW-1	02/09/90	NA	NA
	04/20/90	NA	NA
	07/31/90	NA	NA
	10/25/90	<50	NA
	01/15/91	<50	NA
	01/15/91	<50	NA
	04/19/91	<50	NA
	04/19/91	<50	NA
	07/16/91	<50	<50
	10/08/91	<50	<50
	02/04/92	<50	NA
	04/06/92	<50	NA
	08/26/92	51	NA
	11/12/92	<50	NA
	02/18/93	57 <sup>a</sup>	NA
	06/04/93	85	NA
	09/10/93	<50	NA
	11/17/93	<50	NA
	02/28/94	<50	NA
	05/26/94	<50	NA
08/04/94	80 <sup>c</sup>	NA	
MW-2	02/09/90	4,100	NA
	04/20/90	1,800	NA
	07/31/90	60	NA
	10/25/90	300	NA
	01/15/91	680	NA
	04/19/91	306	NA
	07/16/91	430	<50
	07/16/91	540	<50
	10/08/91	110	<50
	02/04/92	870	NA
	04/06/92	1,000	NA
	05/13/92	570	NA
	08/26/92	63	NA
	08/26/92(D)	63	NA
	11/12/92	160	NA
	11/12/92(D)	180	NA
	02/18/93	----- Well Inaccessible -----	
06/04/93	----- Well Inaccessible -----		
09/10/93	----- Well Inaccessible -----		
11/17/93	----- Well Inaccessible -----		
11/17/93	----- Well Inaccessible -----		

Table 3 (continued)  
**Groundwater Analytical Data**  
 Total Petroleum Hydrocarbons  
 (TPH as Diesel and Motor Oil)

Former Shell Service Station  
 2724 Castro Valley Boulevard at Lake Chabot Road  
 Castro Valley, California

Well Number	Date Sampled	TPH as Diesel (ppb)	Motor Oil (ppb)
MW-2 (cont.)	05/26/94	<50	NA
	05/26/94(D)	60	NA
	08/04/94	110 <sup>c</sup>	NA
	08/04/94(D)	110 <sup>c</sup>	NA
MW-3	02/09/90	NA	NA
	04/20/90	NA	NA
	07/31/90	NA	NA
	10/25/90	<50	NA
	01/15/91	<50	NA
	04/19/91	<50	NA
	07/16/91	<50	1,400
	10/08/91	<50	<50
	02/04/92	<50	NA
	04/06/92	<50	NA
	08/24/92	<50	NA
	11/12/92	<50	NA
	02/18/93	<50	NA
	06/04/93	200	NA
	06/04/93(D)	<50	NA
	09/10/93	<50	NA
	09/10/93(D)	<50	NA
	11/17/93	<50	NA
	11/17/93(D)	<50	NA
	02/28/94	<50	NA
05/26/94	<50	NA	
08/04/94	80 <sup>c</sup>	NA	
MW-5	02/09/90	NA	NA
	04/20/90	NA	NA
	07/31/90	NA	NA
	10/25/90	<50	NA
	01/15/91	<50	NA
	04/19/91	<50	NA
	07/16/91	<50	<50
	10/08/91	<50	<50
	02/04/92	<50	NA
	04/06/92	<50	NA
	08/26/92	<50	NA
	11/12/92	<50	NA
	02/18/93	80 <sup>a</sup>	NA
	06/04/93	170	NA
	09/10/93	<50	NA
11/17/93	<50	NA	

Table 3 (continued)  
**Groundwater Analytical Data**  
 Total Petroleum Hydrocarbons  
 (TPH as Diesel and Motor Oil)

Former Shell Service Station  
 2724 Castro Valley Boulevard at Lake Chabot Road  
 Castro Valley, California

Well Number	Date Sampled	TPH as Diesel (ppb)	Motor Oil (ppb)
MW-5 (cont.)	02/28/94	<50	NA
	02/28/94(D)	<50	NA
	05/26/94	<50	NA
	08/04/94	80 <sup>c</sup>	NA
OMW-6	07/16/91	<50	<50
	10/08/91	<50	<50
	02/04/92	<50	NA
	04/06/92	<50	NA
	08/26/92	<50	NA
	11/12/92	<50	NA
	02/18/93	<50	NA
	02/18/93(D)	84 <sup>a</sup>	NA
	06/04/93	<50	NA
	09/10/93	<50	NA
	11/17/93	<50	NA
	02/28/94	<50	NA
	05/26/94	<50	NA
	08/04/94	<50	NA
MW-7	07/16/92	270	1,100
	10/08/92	<50	<50
	02/04/92	140 <sup>b</sup>	NA
	04/06/92	<50	NA
	05/13/92	<50	NA
	08/26/92	<50	NA
	11/12/92	<50	NA
	02/18/93	----- Well Inaccessible -----	
	06/04/93	----- Well Inaccessible -----	
	09/10/93	----- Well Inaccessible -----	
	11/17/93	----- Well Inaccessible -----	
	02/28/94	64	NA
	05/26/94	<50	NA
	08/04/94	90 <sup>c</sup>	NA
OMW-8	07/16/91	<50	<50
	10/08/91	<50	<50
	02/04/92	<50	NA
	04/06/92	<50	NA
	08/26/92	<50	NA
	11/12/92	<50	NA
	02/18/93	<50	NA
	06/04/93	53	NA
	09/10/93	<50	NA

Table 3 (continued)  
**Groundwater Analytical Data**  
 Total Petroleum Hydrocarbons  
 (TPH as Diesel and Motor Oil)

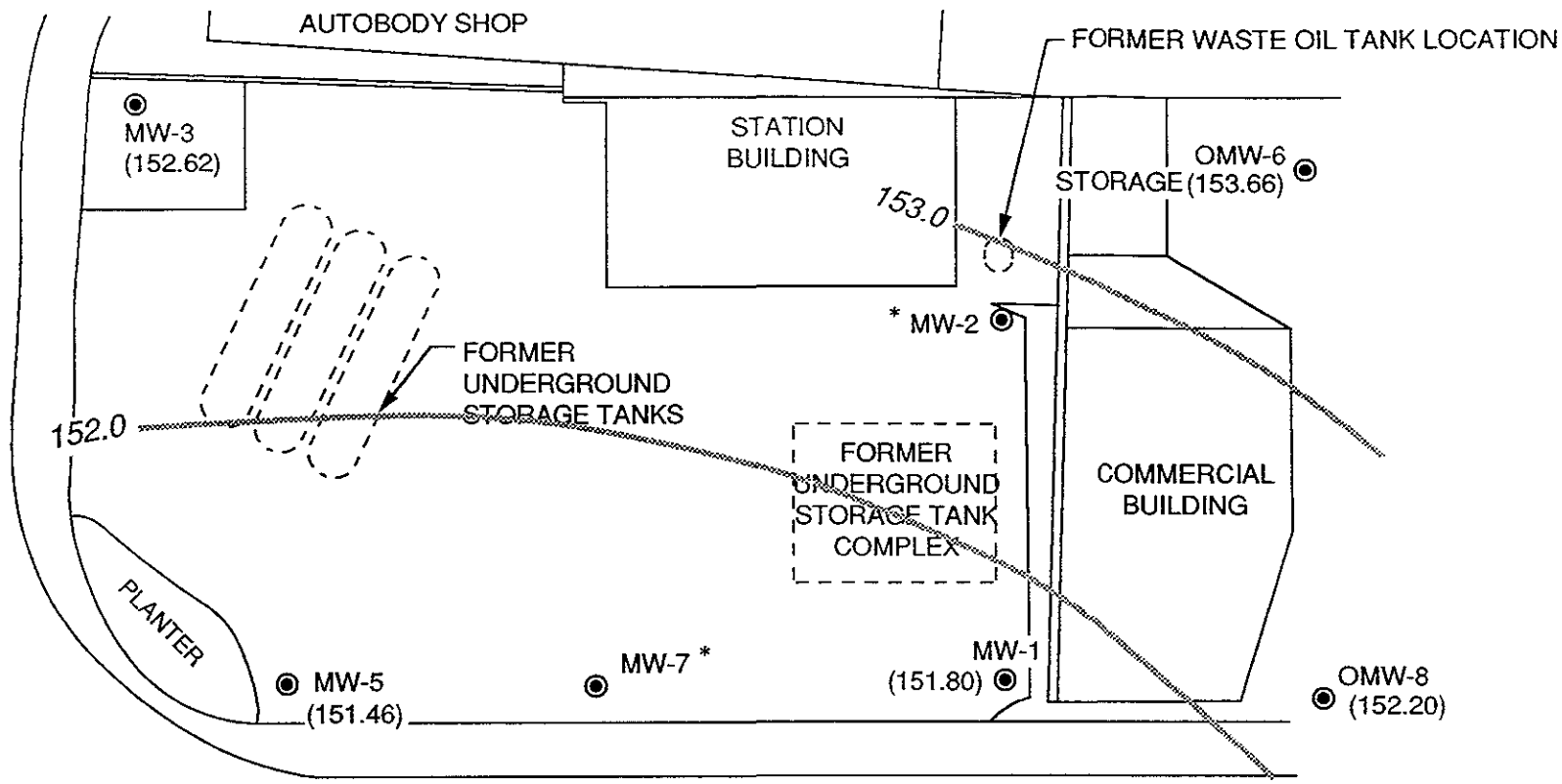
Former Shell Service Station  
 2724 Castro Valley Boulevard at Lake Chabot Road  
 Castro Valley, California

Well Number	Date Sampled	TPH as Diesel (ppb)	Motor Oil (ppb)
OMW-8 (cont.)	11/17/93	<50	NA
	02/28/94	<50	NA
	05/26/94	<50	NA
	08/04/94	50 <sup>c</sup>	NA
OMW-9	03/03/93	71 <sup>a</sup>	NA
	06/04/93	<50	NA
	09/10/93	<50	NA
	11/17/93	----- Well Paved Over -----	
	02/28/94	<50	NA
	05/26/94	<50	NA
	08/26/94	<50	NA

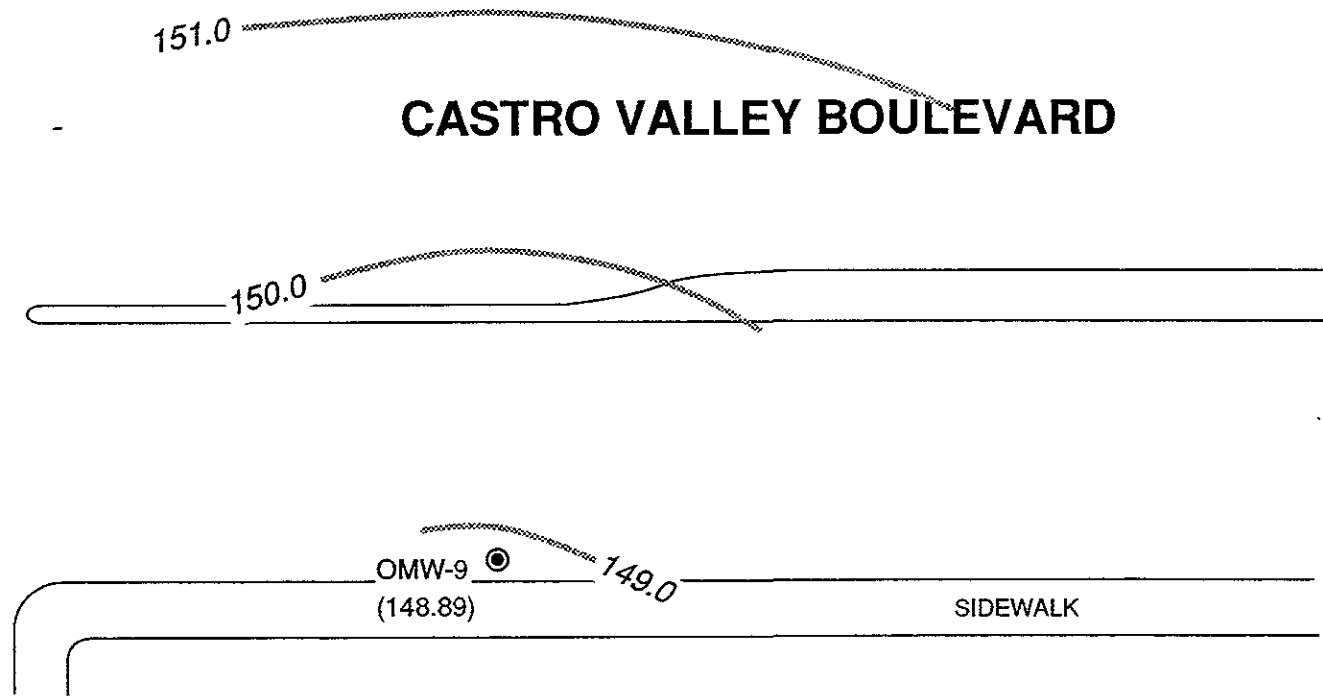
ppb = Parts per billion  
 NA = Not analyzed  
 < = Denotes minimum laboratory detection limits.  
 (D) = Duplicate sample  
 a. Concentration primarily due to the presence of a heavier petroleum hydrocarbon product.  
 b. The positive result for TPH-d analysis on this sample appears to be lighter hydrocarbon than diesel.  
 c. An unknown hydrocarbon consisting of several peaks.



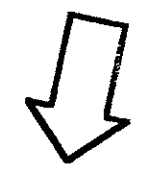
LAKE CHABOT ROAD



CASTRO VALLEY BOULEVARD



- LEGEND**
- MW-1 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
  - (153.66) GROUNDWATER ELEVATION IN FEET - MSL, 8-4-94
  - 152.0 --- GROUNDWATER ELEVATION CONTOUR IN FEET - MSL, 8-4-94
  - \* SURVEY REQUIRED - UNABLE TO USE FOR CONTOURING

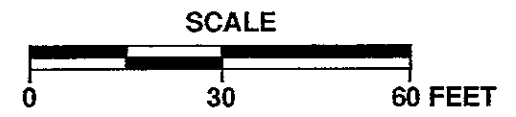


APPROXIMATE DIRECTION OF GROUNDWATER FLOW

APPROXIMATE GRADIENT = 0.02



PACIFIC ENVIRONMENTAL GROUP, INC.



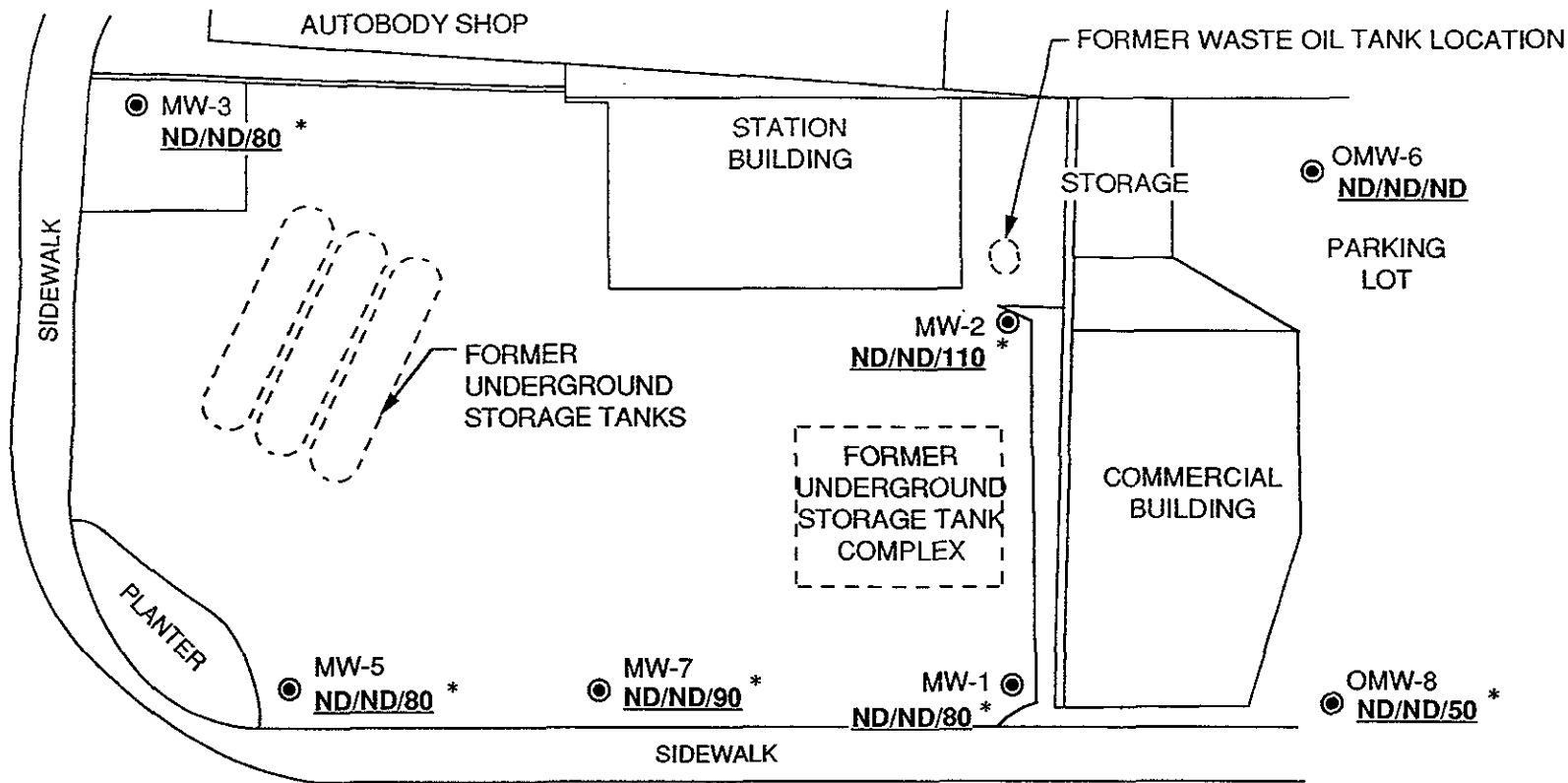
**FORMER SHELL SERVICE STATION**  
 2724 Castro Valley Boulevard at Lake Chabot Road,  
 Castro Valley, California

GROUNDWATER ELEVATION CONTOUR MAP

FIGURE: 1  
 PROJECT: 305-094.2B



LAKE CHABOT ROAD



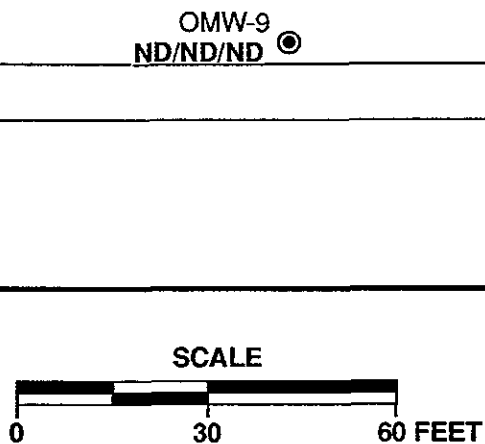
CASTRO VALLEY BOULEVARD

**LEGEND**

- MW-1 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- ND/ND/110** TPH-g/BENZENE/TPH-d CONCENTRATION IN GROUNDWATER, IN PARTS PER BILLION, 8-4-94
- ND** NOT DETECTED
- \* LABORATORY NOTES RESULT TO BE AN UNKNOWN HYDROCARBON CONSISTING OF SEVERAL PEAKS



APPROXIMATE DIRECTION OF GROUNDWATER FLOW



PACIFIC ENVIRONMENTAL GROUP, INC.

**FORMER SHELL SERVICE STATION**  
2724 Castro Valley Boulevard at Lake Chabot Road,  
Castro Valley, California

TPH-g/BENZENE/TPH-d CONCENTRATION MAP

FIGURE:  
**2**  
PROJECT:  
305-094.2B

**ATTACHMENT A**  
**GROUNDWATER SAMPLING REPORT**