



PACIFIC
ENVIRONMENTAL
GROUP, INC.

ALCO
HAZMAT

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See
423(94)

and screen interval
check well logs of MW-1 and RW-1
MW-3

January 26, 1994
Project 305-087.01

Mr. Lynn Walker
Shell Oil Company
P.O. Box 5278
Concord, California 94520

Re: Quarterly Report - Fourth Quarter 1993
Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California
WIC No 204-2217-0105

Dear Mr. Walker:

The following presents the results of the fourth quarter 1993 monitoring program for the site referenced above (Figures 1 and 2). This letter has been prepared for Shell Oil Company by Pacific Environmental Group, Inc. (PACIFIC).

FINDINGS

Groundwater monitoring wells were sampled and gauged by Blaine Tech Services, Inc. (Blaine) at the direction of PACIFIC on November 11, 1993. Groundwater elevation contours for the sampling date are shown on Figure 2, and include groundwater elevation data supplied by Kaprealian Engineering for the Unocal service station, data supplied by Alisto Engineering for the BP service station east of the site, and data supplied by Resna for the ARCO station northeast of the site. Table 1 presents groundwater elevation data.

Groundwater analytical data are presented in Table 2. Total petroleum hydrocarbons calculated as gasoline and benzene concentrations for the November 1993 sampling event are shown on Figure 3. Blaine's groundwater sampling report is presented as Attachment A. Field purging and sampling data are presented in Table 3.

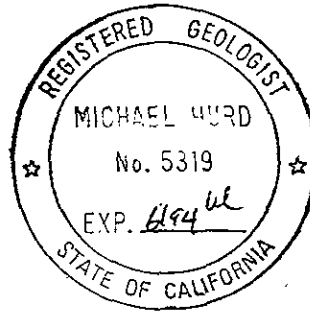
If you have any questions regarding the contents of this letter, please call.

Sincerely,

Pacific Environmental Group, Inc.



Michael Hurd
Senior Geologist
RG 5319



- Attachments:
- Table 1 - Groundwater Elevation Data
 - Table 2 - Groundwater Analytical Data - Total Petroleum Hydrocarbons (TPH as Gasoline and BTEX Compounds)
 - Table 3 - Field Purging and Sampling Data
 - Figure 1- Site Location Map
 - Figure 2- Groundwater Elevation Contour Map
 - Figure 3- TPH-g/Benzene Concentration Map
 - Attachment A - Groundwater Sampling Report

- cc:
- Mr. Craig Mayfield, Alameda County Flood Control and Water Conservation District
 - Mr. Eddy So, Regional Water Quality Control Board
 - Mr. Gil Wistar, Alameda County Health Care Services
 - Mr. Rick Schroder, Shell Oil Company

Table 1
Groundwater Elevation Data

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-1	05/09/88	334.83	8.72	326.11
	08/26/88		9.15	325.68
	10/05/88		8.54	326.29
	11/22/88		9.31	325.52
	12/09/88		9.33	325.50
	01/13/89		NM	NM
	02/10/89		8.51	326.32
	03/02/89		8.71	326.12
	04/04/89		7.93	326.90
	05/01/89		8.43	326.40
	06/01/89		8.56	326.27
	06/29/89		8.60	326.23
	08/09/89		8.43	326.40
	09/11/89		8.65	326.18
	10/10/89		8.52	326.31
	10/25/89		8.56	326.27
	12/20/89		8.80	326.03
	01/17/90		8.47	326.36
	02/23/90		8.25	326.58
	06/04/90		8.62	326.21
	11/20/90		9.50	325.33
	02/12/91		9.51	325.32
	05/06/91		8.34	326.49
08/28/91	9.28	325.55		
11/13/91	9.59	325.24		
02/25/92	7.49	327.34		
05/12/92	8.64	326.19		
08/12/92	9.15	325.68		
11/10/92	10.04	324.79		
02/10/93	7.24	327.59		
05/10/93	7.78	327.05		
08/12/93	8.54	326.29		
11/11/93	8.56	326.27		
MW-2	05/09/88	336.96	10.85	326.11
	08/26/88		11.29	325.67
	10/05/88		10.83	326.13
	11/22/88		11.42	325.54
	12/09/88		11.45	325.51
	01/13/89		NM	NM
	02/10/89		10.74	326.22
	03/02/89		10.91	326.05
04/04/89	10.06	326.90		

Table 1 (continued)
Groundwater Elevation Data

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-2 (cont.)	05/01/89		10.58	326.38
	05/31/89		10.73	326.23
	06/28/89		10.90	326.06
	08/08/89		10.78	326.18
	09/08/89		10.97	325.99
	10/09/89		10.88	326.08
	10/24/89		11.00	325.96
	12/21/89		11.06	325.90
	01/17/90		10.78	326.18
	02/23/90		10.35	326.61
	06/04/90		10.72	326.24
	11/20/90		11.35	325.61
	02/12/91		11.64	325.32
	05/06/91		10.05	326.91
	08/28/91		11.16	325.80
	11/13/91		11.57	325.39
	02/25/92		9.66	327.30
	05/12/92		10.97	325.99
	08/12/92		11.58	325.38
	11/10/92		12.05	324.91
02/10/93		9.28	327.68	
05/10/93		9.65	327.31	
08/12/93		10.70	326.26	
11/11/93		11.36	325.60	
MW-3	05/09/88	336.96	10.59	326.37
	08/26/88		11.10	325.86
	10/05/88		10.43	326.53
	11/22/88		11.16	325.80
	12/09/88		11.24	325.72
	01/13/89		NM	NM
	02/10/89		10.43	326.53
	03/02/89		10.59	326.37
	04/04/89		9.45	327.51
	05/01/89		10.20	326.76
	06/01/89		10.40	326.56
	06/28/89		10.60	326.36
	08/09/89		10.64	326.32
	09/11/89		10.83	326.13
	10/10/89		10.95	326.01
	10/26/89		10.86	326.10
12/21/89		11.09	325.87	
01/17/90		10.90	326.06	

Table 1 (continued)
Groundwater Elevation Data

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-3 (cont.)	02/23/90	336.93	10.52	326.44
	06/04/90		10.52	326.44
	11/20/90		12.65	324.31
	02/12/91		11.16	325.80
	05/06/91		9.85	327.08
	08/28/91		10.90	326.03
	11/13/91		11.28	325.65
	02/25/92		9.04	327.89
	05/12/92		10.50	326.43
	08/12/92		10.94	325.99
	11/10/92		11.84	325.09
	02/10/93		8.82	328.11
	05/10/93		8.88	328.05
	08/12/93		10.36	326.57
	11/11/93		10.64	326.29
MW-4	05/09/88	337.14	10.88	326.26
	08/26/88		11.34	325.80
	10/05/88		10.87	326.27
	11/22/88		11.41	325.73
	12/09/88		11.46	325.68
	01/13/89		NM	NM
	02/10/89		10.78	326.36
	03/02/89		10.92	326.22
	04/04/89		10.04	327.10
	05/01/89		10.52	326.62
	05/31/89		10.62	326.52
	06/28/89		11.00	326.14
	08/09/89		10.92	326.22
	09/08/89		11.05	326.09
	10/10/89		10.97	326.17
	10/26/89		11.35	325.79
	12/21/89		11.07	326.07
	01/17/90		11.08	326.06
	02/23/90		10.90	325.24
	06/04/90		10.74	326.40
	11/20/90		11.45	325.69
	02/12/91		11.50	325.64
	05/06/91		10.04	327.10
	08/28/91		11.18	325.96
	11/13/91		11.60	325.54
	02/25/92		9.45	327.69
	05/12/92		10.84	326.30
08/12/92	11.36	325.78		
11/10/92	12.12	325.02		

Table 1 (continued)
Groundwater Elevation Data

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-4 (cont.)	02/10/93		9.40	327.74
	05/10/93		9.54	327.60
	08/12/93		10.68	326.46
	11/11/93		11.97	325.17
MW-5	08/26/88	334.96	9.10	325.86
	10/05/88		9.95	325.01
	11/22/88		8.93	326.03
	12/09/88		10.48	324.48
	01/13/89		NM	NM
	02/10/89		10.35	324.61
	03/02/89		8.50	326.46
	04/05/89		7.72	327.24
	05/01/89		8.21	326.75
	06/01/89		8.40	326.56
	06/29/89		8.65	326.31
	08/09/89		8.76	326.20
	09/11/89		8.80	326.16
	10/10/89		11.92	323.04
	10/25/89		9.03	325.93
	12/20/89		11.26	323.70
	01/18/90		9.95	325.01
	02/23/90		8.30	326.66
	06/04/90		8.57	326.39
	11/20/90		9.45	325.51
	02/11/91		9.27	325.69
	05/06/91		7.90	327.06
	08/28/91		9.28	325.68
11/13/91		9.36	325.60	
02/25/92		9.02	325.94	
05/12/92		8.65	326.31	
08/12/92		9.40	325.56	
11/10/92		9.68	325.28	
02/10/93		7.97	326.99	
05/10/93		7.76	327.20	
08/12/93		8.75	326.21	
11/11/93		9.32	325.64	
MW-6	08/26/88	335.42	9.69	325.73
	10/05/88		9.27	326.15
	11/22/88		9.77	325.65
	12/09/88		9.85	325.27
	01/13/89		NM	NM
	02/10/89		9.10	326.32
	03/02/89		9.29	326.13
	04/04/89		8.48	326.94
	05/01/89		8.90	326.52
	06/01/89		9.16	326.26

Table 1 (continued)
Groundwater Elevation Data

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-6 (cont.)	06/29/89		9.30	326.12
	08/09/89		9.30	326.12
	09/11/89		9.31	326.11
	10/10/89		9.32	326.10
	10/24/89		9.30	326.12
	12/20/89		9.58	325.84
	01/18/90		9.46	325.96
	02/23/90		8.94	326.48
	06/04/90		9.22	326.20
	11/20/90		9.65	325.77
	02/12/91		9.85	325.57
	05/06/91		9.12	326.30
	08/28/91		9.68	325.74
	11/13/91		10.00	325.42
	02/25/92		8.44	326.98
	05/12/92		9.11	326.31
	08/12/92		9.72	325.70
	11/10/92		10.56	324.86
	02/10/93		7.65	327.77
	05/10/93		8.10	327.32
08/12/93		9.18	326.24	
11/11/93		9.38	326.04	
MW-7	08/26/88	333.23	7.94	325.29
	10/05/88		7.54	325.69
	11/22/88		NM	NM
	12/09/88		7.53	325.70
	01/13/89		NM	NM
	02/10/89		6.62	326.61
	03/02/89		7.03	326.20
	04/05/89		6.80	326.43
	05/01/89		6.53	326.70
	05/31/89		6.93	326.30
	06/28/89		6.85	326.38
	08/09/89		6.67	326.56
	09/07/89		6.90	326.33
	10/10/89		6.90	326.33
	10/24/89		7.29	325.94
	12/20/89		7.47	325.76
	01/18/90		7.49	325.74
02/23/90		6.92	326.31	
06/04/90		6.95	326.28	
11/20/90		8.10	325.13	

Table 1 (continued)
Groundwater Elevation Data

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-7 (cont.)	02/11/91		8.04	325.19
	05/06/91		6.37	325.86
	08/28/91		7.94	325.29
	11/13/91		8.41	324.82
	02/25/92		6.99	326.24
	05/12/92		7.42	325.81
	08/12/92		8.65	324.58
	11/10/92		8.82	324.41
	02/10/93		6.06	327.17
	05/10/93		6.68	326.55
	08/12/93		6.83	326.40
	11/11/93		6.90	326.33
	MW-8	03/01/89	335.80	8.28
04/04/89			7.31	328.49
05/01/89			8.97	326.83
05/31/89			9.17	326.63
06/28/89			9.40	326.40
08/08/89			9.42	326.28
09/07/89			8.50	327.30
10/10/89			9.46	326.34
10/26/89			9.56	326.24
12/21/89			9.57	326.23
01/18/90			9.29	326.51
02/26/90			8.50	327.30
06/04/90			9.04	326.76
02/11/91			9.40	326.40
05/06/91			8.70	327.10
08/28/91			9.68	326.12
11/13/91			9.87	326.93
02/25/92			7.45	328.35
05/12/92		9.19	326.61	
08/12/92		9.82	325.98	
11/10/92		10.41	325.39	
02/10/93		7.35	328.45	
05/10/93		8.00	327.80	
08/12/93		9.00	326.80	
11/11/93		9.47	326.33	
MW-9	03/01/89	334.57	8.48	326.09
	04/04/89		7.69	326.88
	05/01/89		8.20	326.37
	05/31/89		8.72	325.85
	06/28/89		9.00	325.57
	08/08/89		8.53	326.04

Table 1 (continued)
Groundwater Elevation Data

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-9 (cont.)	09/07/89		8.99	325.58
	10/09/89		8.89	325.68
	10/23/89		9.02	325.55
	12/21/89		9.48	325.09
	01/18/90		8.73	325.84
	02/26/90		9.06	325.51
	06/04/90		8.64	325.93
	11/20/90		9.95	324.62
	02/11/91		9.85	324.72
	05/06/91		10.05	324.52
	08/28/91		10.34	324.23
	11/13/91		9.39	325.18
	02/25/92		7.18	327.39
	05/12/92		8.54	326.03
	08/12/92		8.97	325.60
	10/92		9.61	324.96
	02/10/93		7.20	327.37
	05/10/93		7.56	327.01
	08/12/93		8.25	326.32
11/11/93		10.30	324.27	
MW-10	03/02/89	335.37	8.95	326.42
	04/04/89		7.89	327.48
	05/01/89		9.07	326.30
	06/01/89		8.86	326.51
	06/29/89		9.05	326.32
	08/09/89		9.70	326.67
	09/07/89		8.14	327.23
	10/10/89		9.21	326.16
	10/26/89		9.60	325.77
	12/20/89		9.42	325.95
06/90		-----Well Destroyed-----		
MW-11	03/02/89	334.20	8.30	325.90
	04/04/89		7.52	325.68
	05/01/89		7.97	326.23
	11/20/90		NM	NM
	05/31/90		8.13	326.07
	06/28/89		8.30	325.90
	08/08/89		8.22	325.98
	09/07/89		8.32	325.88
	10/09/89		8.28	325.92
10/24/89		8.38	325.82	

Table 1 (continued)
Groundwater Elevation Data

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-11 (cont.)	12/20/89		8.48	325.72
	01/18/90		8.20	326.00
	02/26/90		7.86	326.34
	06/04/90		8.13	326.07
	11/20/90		8.83	325.37
	02/11/90		8.95	325.25
	05/06/91		7.71	326.49
	08/28/91		8.62	325.58
	11/15/91		8.99	325.21
	02/25/92		7.21	326.99
	05/12/92		8.26	325.94
	08/12/92		8.75	325.45
	11/10/92		9.47	324.73
	02/10/93		6.79	327.41
	05/10/93		7.18	327.02
	08/12/93		8.10	326.10
11/11/93		8.56	325.64	
MW-12	03/02/89	332.53	6.94	325.59
	04/04/89		6.33	326.20
	05/01/89		6.62	325.91
	06/01/89		6.82	325.71
	06/29/89		7.00	325.53
	08/09/89		6.76	325.77
	09/07/89		6.81	325.72
	10/09/89		7.11	325.42
	10/24/89		7.60	324.93
	12/20/89		8.25	324.28
	01/18/90		8.23	324.30
	02/26/90		7.54	324.99
	06/04/90		7.96	324.57
	11/20/90		8.80	323.73
	02/12/90		7.85	324.68
	05/06/91		7.35	325.18
	08/28/91		7.79	324.74
	11/13/91		7.89	324.64
	02/25/92		6.14	326.39
	05/12/92		7.54	324.99
08/12/92		9.83	322.70	
11/10/92		8.32	324.21	
02/10/93		6.75	325.78	
05/10/93		----- Well Inaccessible -----		
08/12/93		6.23	326.30	
11/11/93		7.43	325.10	

Table 1 (continued)
Groundwater Elevation Data

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	
MW-13	05/06/91	335.64	8.37	327.27	
	08/28/91		9.82	325.82	
	11/13/91		10.19	325.45	
	02/25/92		7.66	327.98	
	05/12/92		9.16	326.48	
	08/12/92		10.91	324.73	
	11/10/92		10.69	324.95	
	02/10/93		7.49	328.15	
	05/10/93		8.06	327.58	
	08/12/93		8.73	326.91	
	11/11/93		9.15	326.49	
RW-1	12/09/89	336.19	10.73	325.46	
	01/13/89		NM	NM	
	02/10/89		10.91	325.28	
	03/02/89		10.15	325.04	
	04/05/89		9.34	326.85	
	05/01/89		9.85	326.34	
	06/01/89		9.96	326.23	
	06/30/89		9.90	326.29	
	08/09/89		9.80	326.39	
	09/11/89		10.02	326.17	
	10/10/89		9.88	326.31	
	10/25/89		9.80	326.39	
	12/21/89		10.25	325.94	
	01/17/89		9.80	326.39	
	02/23/90		9.60	326.59	
	06/04/90		9.97	326.22	
	11/20/90		10.50	325.69	
	02/11/91		10.87	325.32	
	02/25/92		---- Well Not Gauged ----		
	05/12/92		NM	NM	
	08/12/92		NM	NM	
	11/10/92		NM	NM	
	05/10/93		9.26	326.93	
08/12/93	NM	NM			
11/11/93	NM	NM			
MSL = Mean sea level					
TOC = Top of casing					
NM = Not measured					

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

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
MW-1	05/09/88	440	120	50	NR	120
	08/26/88	200,000	4,400	260	300	450
	10/05/88	17,000	6,700	360	210	730
	11/22/88	8,000	3,900	830	250	340
	12/09/88	11,000	790	36	7.3	68
	01/13/89	8,800	3,800	110	330	90
	02/10/89	18,000	4,700	400	660	190
	03/02/89	14,000	6,100	770	320	440
	04/04/89	11,000	4,800	770	270	780
	05/01/89	11,000	2,800	880	410	780
	06/01/89	ND	ND	ND	ND	ND
	06/29/89	4,700	310	160	75	260
	08/09/89	12,000	1,300	620	830	680
	09/11/89	ND	ND	ND	ND	2.2
	10/10/89	8,700	1,100	310	180	590
	10/25/89	7,500	660	250	460	480
	12/20/89	6,200	270	110	260	220
	01/17/90	7,400	200	170	160	260
	02/23/90	1,500	130	13	30	24
	06/04/90	830	88	10	2.6	28
	11/20/90	NA	NA	NA	NA	NA
	02/12/91	1,500	180	39	82	110
	05/06/91	510	41	11	25	35
	08/28/91	450	41	16	24	34
	11/13/91	320	41	14	23	33
	02/25/92	240	24	9.2	14	20
	05/12/92	320	60	25	29	41
	08/12/92	230	26	16	20	25
	08/12/92(D)	220	25	16	19	24
	11/10/92	120	13	8.8	9	13
	02/10/93	80	3.3	2.9	2.4	5.1
05/10/93	100	8.5	5.5	5.2	10	
08/12/93	130	10	11	8.3	32	
11/11/93	ND	ND	ND	ND	ND	
MW-2	05/09/88	ND	ND	ND	NR	ND
	08/26/88	1,700	230	16	87	120
	10/05/88	200	20	2.3	8.3	12
	11/22/88	800	93	1.6	4.3	60
	12/09/88	270	45	3.6	7.2	14
	01/13/89	180	26	2.3	17	7

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

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
MW-2 (cont.)	02/10/89	320	43	1.7	34	15
	03/02/89	230	24	0.9	9.2	18
	04/04/89	230	53	2.3	7.1	20
	05/01/89	ND	2.7	ND	ND	ND
	05/31/89	120	14	ND	3.9	7.6
	06/28/89	ND	4.1	ND	ND	ND
	08/08/89	88	3.9	ND	ND	ND
	09/08/89	ND	3.2	ND	ND	ND
	10/09/89	110	6.7	ND	ND	ND
	10/24/89	ND	2.5	ND	ND	1.9
	12/21/89	ND	7.1	ND	5	9.8
	01/17/90	ND	4.4	ND	1.6	1.4
	02/23/90	70	6.3	ND	2.7	2.5
	06/04/90	60	2.4	ND	0.8	ND
	11/20/90	60	5.6	ND	ND	ND
	02/12/91	130	14	ND	0.9	0.5
	05/06/91	60	1.5	ND	5	ND
	08/28/91	100	6.3	ND	1	1.1
	11/13/91	ND	11	ND	1.3	ND
	02/25/92	ND	3.8	ND	ND	ND
	05/12/92	ND	6.0	ND	ND	ND
	08/12/92	110	6.8	ND	1.0	ND
	11/10/92	56	4.5	ND	ND	ND
	02/10/93	81	4.8	0.6	1.4	1.9
	05/10/93	90	0.8	0.8	0.6	3.2
	08/12/93	420	61	18	21	53
	11/11/93	ND	ND	ND	ND	ND
MW-3	05/09/88	76	10	4.4	NR	15
	08/26/88	5,200	170	6	32	54
	10/05/88	260	-100	2.7	5.8	7
	11/22/88	180	75	1.4	8.1	4
	12/09/88	160	5	5.9	ND	ND
	01/13/89	160	36	1.2	3	2
	02/10/89	300	83	ND	8.6	8
	03/02/89	570	160	1	17	9
	04/04/89	150	64	0.8	2.7	6
	05/01/89	130	48	1.2	3.4	2
	06/01/89	ND	ND	ND	ND	ND
	06/28/89	90	68	0.7	ND	5.1
	08/09/89	150	23	5.3	2.6	ND

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

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
MW-3 (cont.)	09/11/89	ND	ND	ND	ND	ND
	10/10/89	80	6.4	0.72	ND	ND
	10/26/89	150	11	ND	1.6	ND
	12/21/89	ND	6.8	ND	ND	ND
	01/17/90	ND	4	ND	6.8	ND
	02/23/90	50	10	ND	1.2	0.9
	06/04/90	80	10	ND	1.4	ND
	11/20/90	100	26	0.7	1.2	1.9
	02/12/91	130	27	ND	ND	ND
	05/06/91	120	31	0.8	2.1	0.8
	08/28/91	340	87	1.1	6.5	3.8
	11/13/91	240	140	ND	3.1	0.9
	02/25/92	80	17	ND	ND	ND
	05/12/92	74	31	ND	2.6	ND
	08/12/92	160	24	0.5	2.9	ND
	11/10/92	130	27	ND	1.1	0.9
	11/10/92(D)	110	2.6	ND	1.1	0.7
	02/10/93	92	5.7	ND	ND	ND
	02/10/93(D)	80	5.2	ND	ND	ND
	05/10/93	250	100	ND	ND	ND
05/10/93(D)	200	80	ND	2.4	ND	
08/12/93	380	110	16	13	43	
11/11/93	170	35	8.0	29	9.2	
MW-4	05/09/88	290	76	33	NA	150
	08/26/88	210	640	41	110	160
	10/05/88	450	110	6.3	16	20
	11/22/88	500	110	4	20	27
	12/09/88	260	920	7.5	5.9	11
	01/13/89	990	200	6.5	46	14
	02/10/89	290	90	3.6	8.8	9
	03/02/89	630	210	6.2	34	7
	04/04/89	640	340	13	25	40
	05/01/89	100	65	2	3	4
	05/31/89	60	ND	ND	ND	ND
	06/28/89	110	62	1.3	ND	4.8
	08/09/89	160	110	2	6.4	ND
	09/08/89	94	45	0.5	3.8	ND
10/10/89	90	30	1	1.9	ND	
10/26/89	ND	3.4	ND	ND	ND	
12/21/89	ND	35	1.1	3.6	1.6	

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

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	
MW-4 (cont.)	01/17/90	ND	4	ND	6.8	ND	
	02/23/90	ND	8	ND	1.1	0.7	
	06/04/90	160	85	1.1	1.9	ND	
	11/20/90	140	52	1	0.8	0.9	
	02/12/91	130	48	ND	1.5	ND	
	05/06/91	140	49	1.3	4.1	1.7	
	08/28/91	90	13	ND	1	1.1	
	11/13/91	ND	10	ND	ND	ND	
	02/25/92	120	47	ND	0.5	0.5	
	05/12/92	----- Well Sampled Semiannually -----					
	08/12/92	ND	3.5	ND	ND	ND	
	11/10/92	----- Well Sampled Semiannually -----					
	02/11/93	190	59	3.2	3.6	3.1	
	05/10/93	----- Well Sampled Semiannually -----					
	08/12/93	50	4.1	1.1	1.3	3.2	
	11/11/93	----- Well Sampled Semiannually -----					
	MW-5	08/26/88	210	6	44	9	19
10/05/88		7,500	2,700	ND	110	590	
11/22/88		150	21	26	3	2	
12/09/88		240	37	2.2	6.7	7.7	
01/13/89		80	1.6	ND	7.7	2	
02/10/89		60	ND	ND	ND	ND	
03/02/89		ND	ND	ND	ND	ND	
04/05/89		ND	ND	ND	ND	ND	
05/01/89		ND	1.3	ND	ND	ND	
06/01/89		ND	ND	ND	ND	ND	
06/29/89		ND	ND	ND	ND	ND	
08/09/89		89	8.5	1.8	1.5	2.2	
09/11/89		1,100	7.8	1.4	ND	6.3	
10/10/89		ND	ND	ND	ND	ND	
10/25/89		ND	1.4	ND	ND	1.6	
12/20/89		ND	ND	ND	ND	ND	
01/18/90		ND	ND	ND	ND	ND	
02/23/90		ND	ND	ND	0.6	ND	
06/04/90		ND	ND	ND	ND	ND	
11/20/90		ND	ND	ND	ND	1	
02/11/91		ND	ND	ND	ND	ND	
05/06/91		ND	ND	ND	ND	ND	
08/28/91		ND	ND	ND	ND	1	
11/13/91	ND	ND	ND	ND	ND		
02/25/92	ND	ND	ND	ND	ND		

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

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
MW-5 (cont.)	05/12/92	ND	ND	ND	ND	ND
	08/12/92	56	0.5	ND	ND	ND
	11/10/92	ND	ND	ND	ND	ND
	02/11/93	ND	ND	ND	ND	ND
	05/10/93	ND	1.5	ND	1.2	5.2
	09/16/93	ND	ND	ND	ND	ND
	11/11/93	ND	12	ND	1.2	ND
MW-6	08/26/88	15,000	390	390	670	1,700
	10/05/88	2,700	130	38	960	220
	11/22/88	NA	NA	NA	NA	NA
	12/09/88	540	62	3	26	5
	01/13/89	980	160	22	120	29
	02/10/89	1,900	290	24	93	48
	03/02/89	1,400	160	20	130	33
	04/04/89	1,200	220	27	74	69
	05/01/89	790	120	11	25	17
	06/01/89	1,200	49	49	69	30
	06/29/89	940	130	15	69	35
	08/09/89	1,400	280	39	170	64
	09/11/89	ND	ND	ND	ND	ND
	10/10/89	1,000	85	11	12	16
	10/24/89	1,500	67	20	50	39
	12/20/89	ND	4.9	5.1	ND	ND
	01/18/90	ND	67	12	48	18
	02/23/90	1	150	16	47	30
	06/04/90	190	ND	ND	ND	0.6
	11/20/90	730	120	12	39	21
	02/12/91	550	65	10	33	16
	05/06/91	550	72	11	38	23
	08/28/91	580	82	7.6	28	20
	11/13/91	430	60	7.6	20	12
02/25/92	400	52	6.6	18	11	
05/12/92	950	260	36	12	49	
08/12/92	660	90	15	55	18	
11/10/92	350	23	3.7	15	6.8	
02/11/93	660	42	11	29	17	
05/10/93	190	ND	ND	ND	ND	
08/12/93	360	39	15	23	38	
08/12/93(D)	330	43	16	23	40	
11/11/93	ND	ND	ND	ND	ND	
MW-7	08/26/88	ND	0.8	ND	ND	ND
	10/05/88	ND	ND	ND	ND	ND
	11/22/88	700	41	9	1	20

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

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
MW-7 (cont.)	12/09/88	ND	ND	ND	ND	0.6
	01/13/89	ND	ND	ND	ND	ND
	02/10/89	ND	ND	ND	ND	ND
	03/02/89	ND	ND	ND	ND	ND
	04/05/89	ND	ND	ND	ND	ND
	05/01/89	ND	ND	ND	ND	ND
	05/31/89	ND	ND	ND	ND	ND
	06/28/89	ND	ND	ND	ND	ND
	08/09/89	ND	ND	ND	ND	ND
	09/07/89	ND	ND	ND	ND	ND
	10/10/89	ND	ND	ND	ND	ND
	10/24/89	ND	ND	ND	ND	ND
	12/20/89	ND	ND	ND	ND	ND
	01/18/90	ND	ND	ND	ND	ND
	02/23/90	ND	ND	ND	ND	ND
	06/04/90	ND	ND	ND	ND	ND
	11/20/90	ND	ND	ND	ND	ND
	02/11/91	ND	ND	ND	ND	ND
	05/06/91	ND	ND	ND	ND	ND
	08/28/91	ND	ND	ND	ND	ND
	11/13/91	ND	ND	ND	ND	ND
	02/25/92	ND	ND	ND	ND	ND
	05/12/92	----- Well Sampled Semiannually -----				
08/12/92	52	0.8	0.9	ND	ND	
11/10/92	----- Well Sampled Semiannually -----					
02/11/93	ND	ND	ND	ND	ND	
05/10/93	----- Well Sampled Semiannually -----					
09/16/93	ND	ND	ND	ND	ND	
11/11/93	----- Well Sampled Semiannually -----					
MW-8	03/01/89	ND	ND	ND	ND	ND
	04/04/89	ND	ND	ND	ND	ND
	05/01/89	ND	ND	ND	ND	ND
	05/31/89	ND	ND	ND	ND	ND
	06/28/89	ND	ND	ND	ND	ND
	08/08/89	ND	ND	ND	ND	ND
	09/07/89	ND	ND	ND	ND	ND
	10/10/89	ND	ND	ND	ND	ND
	10/26/89	ND	ND	ND	ND	ND
	12/21/89	ND	ND	ND	ND	ND
	01/18/90	ND	ND	ND	ND	ND

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

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	
MW-8 (cont.)	02/26/90	ND	ND	ND	ND	ND	
	06/04/90	ND	ND	ND	ND	ND	
	11/20/90	ND	ND	ND	ND	ND	
	02/11/91	ND	ND	ND	ND	ND	
	05/06/91	ND	ND	ND	ND	ND	
	08/28/91	ND	ND	ND	ND	ND	
	11/13/91	ND	ND	ND	ND	ND	
	02/25/92	ND	ND	ND	ND	ND	
	05/12/92	----- Well Sampled Semiannually -----					
	08/12/92	ND	ND	ND	ND	ND	
	11/10/92	----- Well Sampled Semiannually -----					
	02/10/93	ND	ND	ND	ND	ND	
	05/10/93	----- Well Sampled Semiannually -----					
	09/16/93	ND	0.7	ND	ND	1.4	
	11/11/93	----- Well Sampled Semiannually -----					
	MW-9	03/1/89	ND	ND	ND	ND	ND
04/04/89		ND	ND	ND	ND	ND	
05/01/89		ND	ND	ND	ND	ND	
05/31/89		ND	ND	ND	ND	ND	
06/28/89		ND	ND	ND	ND	ND	
08/08/89		ND	ND	ND	ND	ND	
09/07/89		ND	ND	ND	ND	ND	
10/09/89		ND	ND	ND	ND	ND	
10/23/89		ND	ND	ND	ND	ND	
12/21/89		ND	ND	ND	ND	ND	
01/18/90		ND	ND	ND	ND	ND	
02/26/90		ND	ND	ND	ND	ND	
06/04/90		ND	ND	ND	ND	ND	
11/20/90		ND	ND	ND	ND	ND	
02/11/91		ND	ND	ND	ND	ND	
05/06/91		ND	ND	ND	ND	ND	
08/28/91		ND	ND	ND	ND	ND	
11/13/91		ND	ND	ND	ND	ND	
02/25/92		ND	ND	ND	ND	ND	
05/12/92		----- Well Sampled Semiannually -----					
08/12/92	ND	ND	ND	ND	ND		
11/10/92	----- Well Sampled Semiannually -----						
02/10/93	ND	ND	ND	ND	ND		
05/10/93	----- Well Sampled Semiannually -----						
09/16/93	ND	ND	ND	ND	ND		
11/11/93	----- Well Sampled Semiannually -----						

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

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	
MW-10	03/02/89	1,000	140	36	ND	77	
	04/04/89	3,300	760	240	46	630	
	05/01/89	680	99	24	8.1	32	
	06/01/89	1,400	120	39	ND	45	
	06/29/89	1,300	51	1.4	6.1	91	
	08/09/89	860	310	26	45	82	
	09/07/89	390	55	2.9	4.0	18	
	10/10/89	460	85	7.6	10	45	
	10/26/89	270	20	1.4	3.5	9.3	
	12/20/89	ND	5.7	ND	ND	ND	
	01/18/90	NA	NA	NA	NA	NA	
	06/90	-----Well Destroyed-----					
MW-11	03/02/89	ND	ND	ND	ND	ND	
	04/04/89	ND	ND	ND	ND	ND	
	05/01/89	ND	ND	ND	ND	ND	
	11/20/90	ND	ND	ND	ND	ND	
	05/31/89	ND	ND	ND	ND	ND	
	06/28/89	ND	ND	ND	ND	ND	
	08/08/89	ND	ND	ND	ND	ND	
	09/07/89	ND	ND	ND	ND	ND	
	10/09/89	ND	ND	ND	ND	ND	
	10/24/89	ND	ND	ND	ND	ND	
	12/20/89	ND	ND	ND	ND	ND	
	01/18/90	ND	ND	ND	ND	ND	
	02/26/90	ND	ND	ND	ND	ND	
	06/04/90	ND	ND	ND	ND	ND	
	11/20/90	ND	ND	ND	ND	ND	
	02/11/91	ND	ND	ND	ND	ND	
	05/06/91	ND	ND	ND	ND	ND	
	08/28/91	ND	ND	ND	ND	1	
	11/15/91	ND	ND	ND	ND	ND	
	02/25/92	ND	ND	ND	ND	ND	
	05/12/92	-----Well Sampled Semiannually-----					
	08/12/92	ND	ND	ND	ND	ND	
11/10/92	-----Well Sampled Semiannually-----						
02/11/93	61*	ND	ND	ND	ND		
05/10/93	-----Well Sampled Semiannually-----						
08/12/93	140	18	13	7.5	32		
11/11/93	-----Well Sampled Semiannually-----						

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

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)
MW-12	03/02/89	ND	ND	ND	ND	ND
	04/04/89	ND	ND	ND	ND	ND
	05/01/89	ND	ND	ND	ND	ND
	06/01/89	ND	ND	ND	ND	ND
	06/29/89	ND	ND	ND	ND	ND
	08/09/89	ND	ND	ND	ND	ND
	09/07/89	ND	ND	ND	ND	ND
	10/09/89	ND	ND	ND	ND	ND
	10/24/89	ND	ND	ND	ND	ND
	12/20/89	ND	ND	ND	ND	ND
	01/18/90	ND	ND	ND	ND	ND
	02/26/90	ND	ND	ND	ND	ND
	06/04/90	ND	ND	ND	ND	ND
	11/20/90	ND	ND	ND	ND	ND
	02/12/91	ND	ND	ND	ND	ND
	05/06/91	ND	ND	ND	ND	ND
	08/28/91	ND	ND	ND	ND	1
11/13/91	ND	ND	ND	ND	ND	
02/25/92	ND	ND	ND	ND	ND	
05/12/92	----- Well Removed from Sampling Program -----					
MW-13	05/06/91	1,100	430	30	41	130
	08/28/91	1,000	350	6.4	44	43
	11/13/91	680	320	5.6	38	17
	02/25/92	780	260	3.5	26	15
	05/12/92	660	210	3.5	26	5.8
	08/12/92	400	140	9.6	21	23
	11/10/92	60	220	2.9	23	11
	02/11/93	970	340	11	29	32
	05/10/93	2,300	440	ND	ND	ND
	08/12/93	8,900	670	23	76	61
	11/11/93	470	230	<2.5	27	11
	11/11/93(D)	610	190	<2.5	21	8.0
RW-1	12/09/89	6,800	740	5	11	37
	01/13/89	10,000	3,200	27	60	ND
	02/10/89	6,000	2,800	ND	ND	ND
	03/02/89	3,900	2,400	ND	ND	ND
	04/05/89	1,700	1,000	ND	9	ND
	05/01/89	900	390	5	10	ND
	06/01/89	1,100	14	33	ND	13
	06/30/89	1,400	ND	ND	ND	ND

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

Former Shell Service Station
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	
RW-1	08/09/89	7,500	1,700	210	280	300	
(cont.)	09/11/89	97	1.7	2.1	2.3	14	
	10/10/89	1,400	48	4.5	ND	3	
	10/25/89	820	51	1.2	25	3	
	12/21/89	490	16	1	8.5	19	
	01/17/90	ND	27	1.7	14	1.6	
	02/23/90	420	42	1.8	13	2.7	
	06/04/90	180	23	0.7	5.3	1.2	
	11/20/90	1,900	170	52	29	38	
	02/11/91	----- Well Not Sampled -----					
ppb = Parts per billion NR = Not requested ND = Not detected NA = Not analyzed (D) = Duplicate sample * = Laboratory noted concentration is not indicative of gasoline. See certified analytical results for detection limits.							

**Table 3
Field Purging and Sampling Data**

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

Sample Date: November 11, 1993

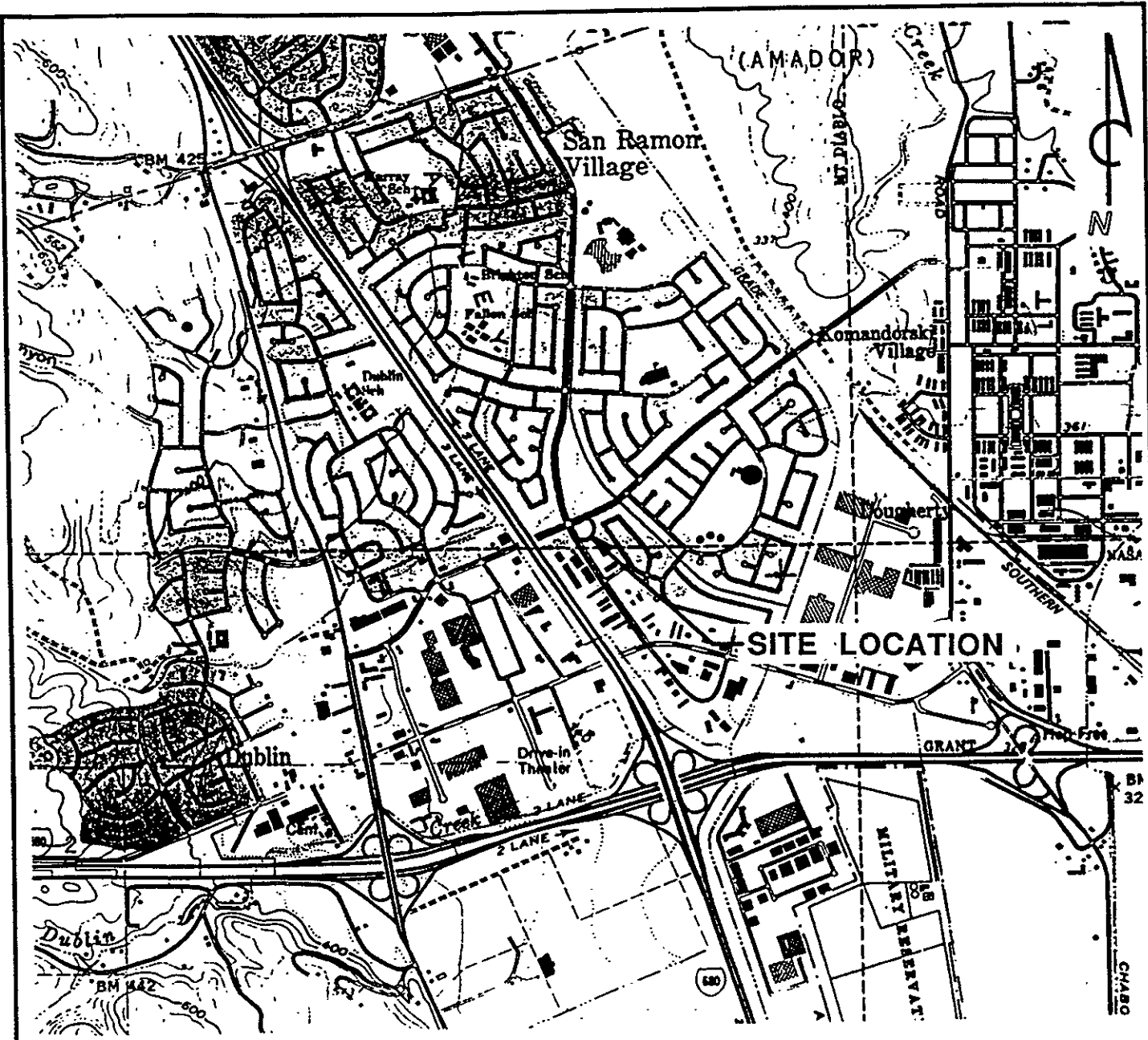
Depth of Well	Depth to Water (feet)	Depth to Liquid (feet)	pH	Temperature (°F)	Conductivity	Turbidity (NTU)	Purge Volumes (gallons)	Time of Purging	Time of Sampling
Well MW-1									
25.12	8.56	--	7.8	64.4	900	120	11	12:18	12:30
			7.7	65.6	900	143	22	12:21	
			7.4	65.0	1000	67	33	12:24	
Purge Method: Electric Submersible					Sample Method: Bailer				
Well MW-2									
24.54	11.36	--	7.2	66.2	3800	56	9	13:45	13:59
			7.2	65.8	4000	110	18	13:48	
			7.3	66.4	4400	34	26	13:51	
Purge Method: Electric Submersible					Sample Method: Bailer				
Well MW-3									
24.24	10.64	--	7.4	66.8	2000	80	9	13:20	13:35
			7.4	67.2	2000	44	18	13:23	
			7.3	66.2	2100	>200	27	13:26	
Purge Method: Electric Submersible					Sample Method: Bailer				
Well MW-5									
44.67	9.32	--	7.0	65.4	2300	12	23	11:45	14:40
			7.2	68.4	2500	>200	30	11:48	
			7.3	68.8	2300	>200	30	14:38	
Purge Method: Electric Submersible Note. Well dewatered at 30 gallons					Sample Method: Bailer				
Well MW-6									
22.86	9.38	--	7.6	67.6	820	>200	9	12:48	13:00
			7.5	70.6	1100	142	18	12:51	
			7.2	67.2	1800	>200	27	12:54	
Purge Method: Electric Submersible					Sample Method: Bailer				

Table 3 (continued)
Field Purging and Sampling Data

Former Shell Service Station
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

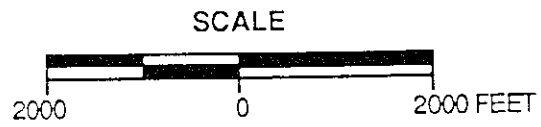
Sample Date: November 11, 1993

Depth of Well	Depth to Water (feet)	Depth to Liquid (feet)	pH	Temperature (°F)	Conductivity	Turbidity (NTU)	Purge Volumes (gallons)	Time of Purging	Time of Sampling
Well MW-13									
17.02	9.15	--	7.9	67.2	2000	30	6	14:10	
			7.8	66.8	1800	15	14:13		
			7.7	67.0	1700	17	14:16	14:25	
Purge Method: Electric Submersible					Sample Method: Bailer				
NTU = Nephelometric turbidity unit									



QUADRANGLE LOCATION

REFERENCES:
 USGS 7.5 MIN. TOPOGRAPHIC MAP
 TITLED: DUBLIN, CALIFORNIA
 DATED. 1961 REVISED. 1980

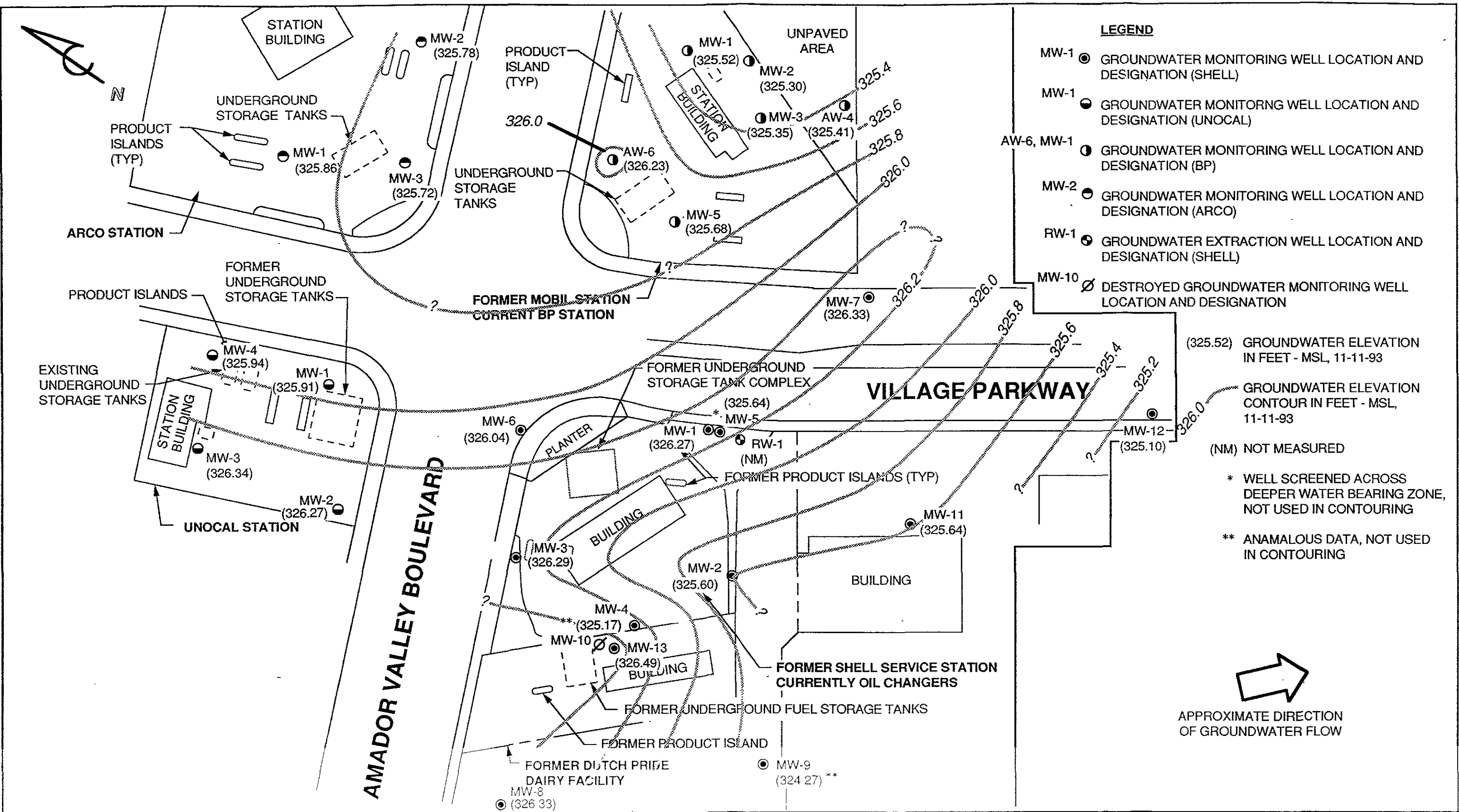


PACIFIC ENVIRONMENTAL GROUP INC.

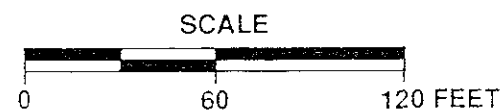
FORMER SHELL SERVICE STATION
 7194 Amador Valley Boulevard at Village Parkway
 Dublin, California

SITE LOCATION MAP

FIGURE:
1
 PROJECT:
 305-87.01



PACIFIC ENVIRONMENTAL GROUP, INC.



FORMER SHELL SERVICE STATION
7194 Amador Valley Boulevard at Village Parkway
Dublin, California

GROUNDWATER ELEVATION CONTOUR MAP

FIGURE 2
PROJECT 305-87 01



AMADOR VALLEY BOULEVARD

FORMER UNDERGROUND STORAGE TANK COMPLEX

VILLAGE PARKWAY

MW-6
ND/ND

PLANTER

MW-1
ND/ND

MW-5*
ND/127

PLANTER

RW-1
NS

FORMER PRODUCT ISLANDS (TYP)

MW-12
NS

BUILDING

BUILDING

MW-11
NS

BUILDING

MW-2
ND/ND

MW-3
170/35

100

10

1.0

MW-4
NS

MW-10
Ø

MW-13
470/230

BUILDING

FORMER UNDERGROUND FUEL STORAGE TANK COMPLEX

FORMER PRODUCT ISLAND

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

MW-8
NS

FORMER DAIRY

MW-9
NS

BUILDING

LEGEND

MW-1 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION

RW-1 ● GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION

MW-10 Ø DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION

470/230 TPH-g/BENZENE CONCENTRATION IN GROUNDWATER, IN PARTS PER BILLION (ppb), 11-11-93

10.0 BENZENE ISOCONCENTRATION CONTOUR IN ppb, 11-11-93

ND NOT DETECTED

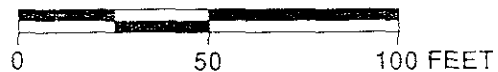
NS NOT SAMPLED

* WELL SCREENED ACROSS DEEPER WATER BEARING ZONE NOT USED IN CONTOURING



PACIFIC ENVIRONMENTAL GROUP, INC.

SCALE



FORMER SHELL SERVICE STATION
7194 Amador Valley Boulevard at Village Parkway
Dublin California

TPH-g/BENZENE CONCENTRATION MAP

FIGURE 3

PROJECT 305-87 01

ATTACHMENT A
GROUNDWATER SAMPLING REPORT



BLAINE TECH SERVICES INC.

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

December 10, 1993

Shell Oil Company
P.O. Box 5278
Concord, CA 94520-9998

Attn: Daniel T. Kirk

DEC 16 1993

SITE:
Shell WIC #204-2217-0105
7194 Amador Valley Blvd.
Dublin, California

QUARTER:
4th quarter of 1993

QUARTERLY GROUNDWATER SAMPLING REPORT 931111-L-1

This report contains data collected during routine inspection, gauging and sampling of groundwater monitoring wells performed by Blaine Tech Services, Inc. in response to the request of the consultant who is overseeing work at this site on behalf of our mutual client, Shell Oil Company. Data collected in the course of our field work is presented in a **TABLE OF WELL GAUGING DATA**. The field information was collected during our preliminary gauging and inspection of the wells, the subsequent evacuation of each well prior to sampling, and at the time of sampling.

Measurements taken include the total depth of the well and the depth to water. The surface of water was further inspected for the presence of immiscibles which may be present as a thin film (a sheen on the surface of the water) or as a measurable free product zone (FPZ). At intervals during the evacuation phase, the purge water was monitored with instruments that measure electrical conductivity (EC), potential hydrogen (pH), temperature (degrees Fahrenheit), and turbidity (NTU). In the interest of simplicity, fundamental information is tabulated here, while the bulk of the information is turned over directly to the consultant who is making professional interpretations and evaluations of the conditions at the site.

STANDARD PROCEDURES

Evacuation

Groundwater wells are thoroughly purged before sampling to insure that the sample is collected from water that has been newly drawn into the well from the surrounding geologic formation. The selection of equipment to evacuate each well is based on the physical characteristics of the well and what is known about the performance of the formation in which the well has been installed. There are several suitable devices which can be used for evacuation. The most commonly employed devices are air or gas actuated pumps, electric submersible pumps, and hand or mechanically actuated bailers. Our personnel frequently employ USGS/Middleburg positive displacement pumps or similar air actuated pumps which do not agitate the water standing in the well.

Normal evacuation removes three case volumes of water from the well. More than three case volumes of water are removed in cases where more evacuation is needed to achieve stabilization of water parameters and when requested by the local implementing agency. Less water may be obtained in cases where the well dewateres and does not recharge to 80% of its original volume within two hours and any additional time our personnel have reason to remain at the site. In such cases, our personnel return to the site within twenty four hours and collect sample material from the water which has recharged into the well case.

Decontamination

All apparatus is brought to the site in clean and serviceable condition. The equipment is decontaminated after each use and before leaving the site. Effluent water from purging and on-site equipment cleaning is collected and transported to Shell's Martinez Manufacturing Complex in Martinez, California.

Free Product Skimmer

The column headed, **VOLUME OF IMMISCIBLES REMOVED (ml)** is included in the **TABLE OF WELL GAUGING DATA** to cover situations where a free product skimming device must be removed from the well prior to gauging. Skimmers are installed in wells with a free product zone on the surface of the water. The skimmer is a free product recovery device which often prevents normal well gauging and free product zone measurements. The 2.0" and 3.0" PetroTraps fall into the category of devices that obstruct normal gauging. In cases where the consultant elects to have our personnel pull the skimmers out of the well and gauge the well, our personnel perform the additional task of draining the accumulated free product out of the PetroTrap before putting it back in the well. This

recovered free product is measured and logged in the VOLUME OF IMMISCIBLES REMOVED column. Gauging at such sites is performed in accordance with specific directions from the professional consulting firm overseeing work at the site on Shell's behalf.

Sample Containers

Sample material is collected in specially prepared containers which are provided by the laboratory that performs the analyses.

Sampling

Sample material is collected in stainless steel bailer type devices normally fitted with both a top and a bottom check valve. Water is promptly decanted into new sample containers in a manner which reduces the loss of volatile constituents and follows the applicable EPA standard for handling volatile organic and semi-volatile compounds.

Following collection, samples are promptly placed in an ice chest containing prefrozen blocks of an inert ice substitute such as Blue Ice or Super Ice. The samples are maintained in either an ice chest or a refrigerator until delivered into the custody of the laboratory.

Sample Designations

All sample containers are identified with a site designation and a discrete sample identification number specific to that particular groundwater well. Additional standard notations (e.g. time, date, sampler) are also made on the label.

Chain of Custody

Samples are continuously maintained in an appropriate cooled container while in our custody and until delivered to the laboratory under a standard Shell Oil Company chain of custody. If the samples are taken charge of by a different party (such as another person from our office, a courier, etc.) prior to being delivered to the laboratory, appropriate release and acceptance records are made on the chain of custody (time, date, and signature of the person releasing the samples followed by the time, date and signature of the person accepting custody of the samples).

Hazardous Materials Testing Laboratory

The samples obtained at this site were delivered to Anametrix, Inc. in San Jose, California. Anametrix, Inc. is a California Department of Health Services certified Hazardous Materials Testing Laboratory and is listed as DOHS HMTL #1234

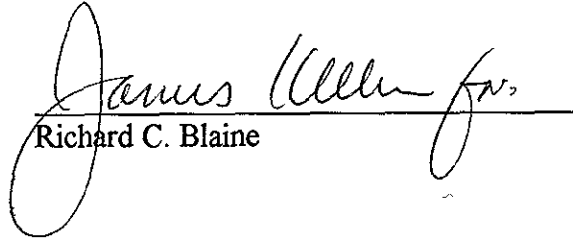
Objective Information Collection

Blaine Tech Services, Inc. performs specialized environmental sampling and documentation as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. performs no consulting and does not become involved in the marketing or installation of remedial systems of any kind. Blaine Tech Services, Inc. is concerned only with the generation of objective information, not with the use of that information to support evaluations and recommendations concerning the environmental condition of the site. Even the straightforward interpretation of objective analytical data is better performed by interested regulatory agencies, and those engineers and geologists who are engaged in the work of providing professional opinions about the site and proposals to perform additional investigation or design remedial systems.

Reportage

Submission of this report and the attached laboratory report to interested regulatory agencies is handled by the consultant in charge of the project. Any professional evaluations or recommendations will be made by the consultant under separate cover.

Please call if we can be of any further assistance.


Richard C. Blaine

RCB/mla

attachments: table of well gauging data
chain of custody
certified analytical report

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

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	11/11/93	TOC	--	NONE	--	--	8.56	25.12
MW-2	11/11/93	TOC	--	NONE	--	--	11.36	24.54
MW-3	11/11/93	TOC	--	NONE	--	--	10.64	24.24
MW-4	11/11/93	TOC	--	NONE	--	--	11.97	24.72
MW-5	11/11/93	TOC	--	NONE	--	--	9.32	44.67
MW-6	11/11/93	TOC	--	NONE	--	--	9.38	22.86
MW-7	11/11/93	TOC	--	NONE	--	--	6.90	16.44
MW-8	11/11/93	TOC	--	NONE	--	--	9.47	16.15
MW-9	11/11/93	TOC	--	NONE	--	--	10.30	17.83
MW-11	11/11/93	TOC	--	NONE	--	--	8.56	16.41
MW-12	11/11/93	TOC	--	NONE	--	--	7.43	17.12
MW-13 *	11/11/93	TOC	ODOR	NONE	--	--	9.15	17.02


* Sample DUP was a duplicate sample taken from well MW-13.

#194

11/19/93
14:25
KTB

931194

(18)

 SHELL OIL COMPANY RETAIL ENVIRONMENTAL ENGINEERING - WEST							CHAIN OF CUSTODY RECORD Serial No: _____							Date: 11/11/93 Page 1 of 2					
Site Address: 7194 Amador Valley Blvd Dublin WICH: 204-2217-0105 Shell Engineer: Dan Kirk 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 Commons: Sampled by: LABOLVER Printed Name: LAD B OLVER							Analysis Required							LAB: Anametric					
							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	Asbestos	Container Size	Preparation Used	Composite Y/N	CHECK ONE (IN BOX ONLY) C1/D1 Quarterly Monitoring <input checked="" type="checkbox"/> 6411 Site Investigation <input type="checkbox"/> 6412 Soil Classfy/Disposal <input type="checkbox"/> 6422 Water Classfy/Disposal <input type="checkbox"/> 6423 Soil/Air Rem. or Sys. O & M <input type="checkbox"/> 6424 Water Rem. or Sys. O & M <input type="checkbox"/> 6425 Other <input type="checkbox"/>	TURN AROUND TIME 24 hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 16 days <input checked="" type="checkbox"/> (Normal) Other <input type="checkbox"/>	NOTE: Notify lab as soon as possible of 24/48 hr. TAT.
																	MATERIAL DESCRIPTION	SAMPLE CONDITION/COMMENTS	
Sample ID	Date	Sludge	Soil	Water	Air	No. of conls.													
① MW-1	11/11			X		3					X		40 ML	HCL					
② MW-2				X		3					X								
③ MW-3				X		3					X								
④ MW-5				X		3					X								
⑤ MW-6				X		3					X								
⑥ MW-13				X		3					X								
⑦ DUP				X		3					X								
⑧ E.B.				X		6					X								
Relinquished by (signature): LABOLVER		Printed Name: LAD B OLVER		Date: 11-12-93		Time: 14:25		Received (signature): BENNY S. GARRIZOSA		Printed Name: BENNY S. GARRIZOSA		Date: 11-12-93		Time: 14:25					
Relinquished by (signature): BENNY S. GARRIZOSA		Printed Name: BENNY S. GARRIZOSA		Date: 11/12/93		Time: 17:00		Received (signature): Maria Parajas		Printed Name: Maria Parajas		Date: 11/12/93		Time: 17:00					
Relinquished by (signature):		Printed Name:		Date:		Time:		Received (signature):		Printed Name:		Date:		Time:					

- ①
- ②
- ③
- ④
- ⑤
- ⑥
- ⑦
- ⑧



SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

Serial No: _____

Date: 11/11/93

Page 2 of 2

Silo Address: 7194 Amador Valley Blvd., Dublin

WIC#: 204-2217-0105

Shell Engineer: Dan Kirk
Phone No.: (510) 575-6168
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: *LAD B OLVER*

Printed Name: LAD B OLVER

Analysis Required

TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/802)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020	Asbestos	Container Size	Preparation Used	Composite Y/N
					X		40 mL	HEC	

LAB: ANAMETRIX

CHECK ONE (1) BOX ONLY	CI/DI	TURN AROUND TIME
Quarterly Monitoring <input checked="" type="checkbox"/>	6441	24 hours <input type="checkbox"/>
Site Investigation <input type="checkbox"/>	6441	48 hours <input type="checkbox"/>
Soil Clarity/Diposal <input type="checkbox"/>	6442	15 days <input checked="" type="checkbox"/> (Normal)
Water Clarity/Diposal <input type="checkbox"/>	6443	Other <input type="checkbox"/>
Soil/Air Rem. of Sys. O & M <input type="checkbox"/>	6443	
Water Rem. of Sys. O & M <input type="checkbox"/>	6443	
Other <input type="checkbox"/>		

NOTE: Notify Lab as soon as Possible of 24/48 hrs. LAT.

Sample ID	Date	Sludge	Soil	Water	Alr	No. of conts.	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
T.B.	11/11			X		2		

Relinquished By (Signature): <i>LAD B OLVER</i>	Printed Name: LAD B OLVER	Date: 11-12-93 Time: 11:20	Received (Signature): <i>Benny S. Carrizosa</i>	Printed Name: BENNY S. CARRIZOSA	Date: 11-12-93 Time: 16:20
Relinquished By (Signature): <i>Benny S. Carrizosa</i>	Printed Name: BENNY S. CARRIZOSA	Date: 11-12-93 Time: 17:00	Received (Signature): <i>Maria Beltraj's</i>	Printed Name: Maria Beltraj's	Date: 11-12-93 Time: 17:00
Relinquished By (Signature):	Printed Name:	Date:	Received (Signature):	Printed Name:	Date:



Inchcape Testing Services

Anametrix Laboratories

1961 Concourse Drive
Suite E
San Jose, CA 95131
Tel: 408-432-8192
Fax: 408-432-8198

MR. JIM KELLER
BLAINE TECH
985 TIMOTHY DRIVE
SAN JOSE, CA 95133

Workorder # : 9311194
Date Received : 11/12/93
Project ID : 204-2217-0105
Purchase Order: MOH-B813

The following samples were received at Anametrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9311194- 1	MW-1
9311194- 2	MW-2
9311194- 3	MW-3
9311194- 4	MW-5
9311194- 5	MW-6
9311194- 6	MW-13
9311194- 7	DUP
9311194- 8	E.B.
9311194- 9	T.B.

This report consists of 9 pages not including the cover letter, and is organized in sections according to the specific Anametrix laboratory group or section which performed the analysis(es) and generated the data. The Report Summary that precedes each section will help you determine which Anametrix group is responsible for those test results, and will bear the signatures of the department supervisor and the chemist who have reviewed the analytical data. Please refer all questions to the department supervisor who signed the form.

Anametrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234. A detailed list of the approved fields of testing can be obtained by calling our office, or the DHS Environmental Laboratory Accreditation Program at (415)540-2800.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anametrix.



Sarah Schoen, Ph.D.
Laboratory Director

11-30-93

Date

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. JIM KELLER
BLAINE TECH
985 TIMOTHY DRIVE
SAN JOSE, CA 95133

Workorder # : 9311194
Date Received : 11/12/93
Project ID : 204-2217-0105
Purchase Order: MOH-B813
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9311194- 1	MW-1	WATER	11/11/93	TPHgBTEX
9311194- 2	MW-2	WATER	11/11/93	TPHgBTEX
9311194- 3	MW-3	WATER	11/11/93	TPHgBTEX
9311194- 4	MW-5	WATER	11/11/93	TPHgBTEX
9311194- 5	MW-6	WATER	11/11/93	TPHgBTEX
9311194- 6	MW-13	WATER	11/11/93	TPHgBTEX
9311194- 7	DUP	WATER	11/11/93	TPHgBTEX
9311194- 8	E.B.	WATER	11/11/93	TPHgBTEX
9311194- 9	T.B.	WATER	11/11/93	TPHgBTEX

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. JIM KELLER
BLAINE TECH
985 TIMOTHY DRIVE
SAN JOSE, CA 95133

Workorder # : 9311194
Date Received : 11/12/93
Project ID : 204-2217-0105
Purchase Order: MOH-B813
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- The relative percent difference for toluene and total xylenes for the matrix spike and matrix spike duplicate on sample MW-13 are outside of quality control limits due to matrix interference.

Cheryl Basler 11/20/93
Department Supervisor Date

Peggie Davison 11/30/93
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.: 9311194
Matrix : WATER
Date Sampled : 11/11/93

Project Number : 204-2217-0105
Date Released : 11/22/93

COMPOUNDS	Reporting Limit (ug/L)	Sample I.D.# MW-1	Sample I.D.# MW-2	Sample I.D.# MW-3	Sample I.D.# MW-5	Sample I.D.# MW-6
Benzene	0.5	ND	ND	35	12	ND
Toluene	0.5	ND	ND	8.0	ND	ND
Ethylbenzene	0.5	ND	ND	29	1.2	ND
Total Xylenes	0.5	ND	ND	9.2	ND	ND
TPH as Gasoline	50	ND	ND	170	ND	ND
% Surrogate Recovery		102%	111%	129%	122%	109%
Instrument I.D.		HP12	HP12	HP12	HP12	HP12
Date Analyzed		11/17/93	11/17/93	11/17/93	11/17/93	11/17/93
RLMF		1	1	2	1	1

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using modified EPA Method 8015 following sample purge and trap by EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020 following sample purge and trap by EPA Method 5030.
- RLMF - Reporting Limit Multiplication Factor (Dilution).

Anamatrix control limits for surrogate p-Bromofluorobenzene recovery are 61-139%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Charlita Bunch 11/23/93
Analyst Date

Cheryl Balmer 11/23/93
Supervisor Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.: 9311194
Matrix : WATER
Date Sampled : 11/11/93

Project Number : 204-2217-0105
Date Released : 11/22/93

COMPOUNDS	Reporting Limit (ug/L)	Sample I.D.# MW-13	Sample I.D.# DUP	Sample I.D.# E.B.	Sample I.D.# T.B.	Sample I.D.# BN1601E2
Benzene	0.5	230	190	ND	ND	ND
Toluene	0.5	<2.5	<2.5	ND	ND	ND
Ethylbenzene	0.5	27	21	ND	ND	ND
Total Xylenes	0.5	11	8.0	ND	ND	ND
TPH as Gasoline	50	470	610	ND	ND	ND
% Surrogate Recovery		121%	123%	102%	108%	96%
Instrument I.D.		HP12	HP12	HP12	HP12	HP12
Date Analyzed		11/17/93	11/18/93	11/17/93	11/17/93	11/16/93
RLMF		5	5	1	1	1

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using modified EPA Method 8015 following sample purge and trap by EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020 following sample purge and trap by EPA Method 5030.
- RLMF - Reporting Limit Multiplication Factor (Dilution).

Anamatrix control limits for surrogate p-Bromofluorobenzene recovery are 61-139%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Christina Burch 11/29/93
Analyst Date

Cheryl Balmer 11/29/93
Supervisor Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9311194
Matrix : WATER
Date Sampled : N/A

Project Number : 204-2217-0105
Date Released : 11/22/93

COMPOUNDS	Reporting Limit (ug/L)	Sample I.D.# BN1701E2 BLANK	Sample I.D.# BN1801E2 BLANK
Benzene	0.5	ND	ND
Toluene	0.5	ND	ND
Ethylbenzene	0.5	ND	ND
Total Xylenes	0.5	ND	ND
TPH as Gasoline	50	ND	ND
% Surrogate Recovery		95%	95%
Instrument I.D.		HP12	HP12
Date Analyzed		11/17/93	11/18/93
RLMF		1	1

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using modified EPA Method 8015 following sample purge and trap by EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020 following sample purge and trap by EPA Method 5030.
- RLMF - Reporting Limit Multiplication Factor (Dilution).

Anametrix control limits for surrogate p-Bromofluorobenzene recovery are 61-139%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Charles M. Busch 11/23/93
Analyst Date

Charles Beiser 11/23/93
Supervisor Date

TOTAL VOLATILE HYDROCARBON MATRIX SPIKE REPORT
 EPA METHOD 5030 WITH GC/PID
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 204-2217-0105 MW-13
 Matrix : WATER
 Date Sampled : 11/11/93
 Date Analyzed : 11/17/93

Anamatrix I.D. : 11194-06
 Analyst : *CMB*
 Supervisor : *CS*
 Date Released : 11/22/93
 Instrument I.D.: HP12

COMPOUND	SPIKE AMT (ug/L)	SAMPLE CONC (ug/L)	REC MS (ug/L)	%REC MS	REC MD (ug/L)	%REC MD	RPD	%REC LIMITS *
BENZENE	100	230	290	60%	350	120%	19%	45-139
TOLUENE	100	0	89	89%	130	130%	37%	51-138
ETHYLBENZENE	100	27	130	103%	170	143%	27%	48-146
TOTAL XYLENES	100	11	100	89%	140	129%	33%	50-139
p-BFB				139%		130%		61-139

* Quality control limits established by Anamatrix, Inc.

TOTAL VOLATILE HYDROCARBON LABORATORY CONTROL SAMPLE REPORT
 EPA METHOD 5030 WITH GC/PID
 ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: LAB CONTROL SAMPLE	Anamatrix I.D. :	MN1601E3
Matrix	: WATER	Analyst	: <i>CMB</i>
Date Sampled	: N/A	Supervisor	: <i>CS</i>
Date Analyzed	: 11/16/93	Date Released	: 11/18/93
		Instrument I.D.:	HP12

COMPOUND	SPIKE AMT. (ug/L)	LCS (ug/L)	REC LCS	%REC LIMITS *
Benzene	20.0	19.3	97%	52-133
Toluene	20.0	21.1	106%	57-136
Ethylbenzene	20.0	22.9	115%	56-139
Total Xylenes	20.0	21.2	106%	56-141
P-BFB			108%	61-139

* Quality control limits established by Anamatrix, Inc.

TOTAL VOLATILE HYDROCARBON LABORATORY CONTROL SAMPLE REPORT
 EPA METHOD 5030 WITH GC/PID
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : LAB CONTROL SAMPLE
 Matrix : WATER
 Date Sampled : N/A
 Date Analyzed : 11/17/93

Anamatrix I.D. : MN1701E1
 Analyst : *CMB*
 Supervisor : *o*
 Date Released : 11/18/93
 Instrument I.D.: HP12

COMPOUND	SPIKE AMT. (ug/L)	LCS (ug/L)	REC LCS	%REC LIMITS *
Benzene	20.0	15.5	78%	52-133
Toluene	20.0	16.6	83%	57-136
Ethylbenzene	20.0	18.2	91%	56-139
Total Xylenes	20.0	16.6	83%	56-141
P-BFB			112%	61-139

* Quality control limits established by Anamatrix, Inc.

TOTAL VOLATILE HYDROCARBON LABORATORY CONTROL SAMPLE REPORT
 EPA METHOD 5030 WITH GC/PID
 ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: LAB CONTROL SAMPLE	Anamatrix I.D. :	MN1801E1
Matrix	: WATER	Analyst	: <i>Cmb</i>
Date Sampled	: N/A	Supervisor	: <i>SL</i>
Date Analyzed	: 11/18/93	Date Released	: 11/22/93
		Instrument I.D.:	HP12

COMPOUND	SPIKE AMT. (ug/L)	LCS (ug/L)	REC LCS	%REC LIMITS *
<hr style="border-top: 1px dashed black;"/>				
Benzene	20.0	16.0	80%	52-133
Toluene	20.0	17.4	87%	57-136
Ethylbenzene	20.0	19.1	96%	56-139
Total Xylenes	20.0	17.4	87%	56-141
P-BFB			101%	61-139

* Quality control limits established by Anamatrix, Inc.