



Texaco Refining  
and Marketing Inc

108 Cutting Boulevard  
Richmond CA 94804

ENVIRONMENTAL  
PROTECTION  
97 AUG 12 PM 3:01

August 4, 1997

ST 10 1037

**ENV - STUDIES, SURVEYS & REPORTS**  
**Former Texaco/Current Exxon Service Station**  
2225 Telegraph Ave., Oakland, California  
Quarterly Monitoring Report

Mr. Dale Klettke, CHMM  
Hazardous Materials Specialist  
Alameda County  
Environmental Health Services  
1131 Harbor Bay Parkway, #250  
Alameda, CA 94502-6577

Dear Mr. Klettke:

This letter presents the results of groundwater monitoring and sampling conducted by Blaine Tech Services, Inc. on May 21, 1997, at the site referenced above (see Plate 1, Site Vicinity Map). Based on groundwater level measurements, the areal hydraulic gradient was estimated to be south (see Plate 2, Groundwater Gradient Map). TPHg and benzene concentrations are shown on Plate 3. Tables 1 and 2 list historical groundwater monitoring data and analytical results, respectively.

The certified analytical report, chain-of-custody, field data sheets, bill of lading, and quarterly summary report are in the Appendix. Texaco's Standard Operating Procedures may be found in the first quarter, 1995 monitoring report.

If you have any questions or comments regarding this site, please call the Texaco Project Coordinator, Ms. Karen Petryna at (510) 236-9139.

Best Regards,  
Texaco Refining and Marketing Inc

*Rebecca Digerness*

Rebecca Digerness  
Groundwater Program Analyst

*Karen E. Petryna*

Karen E. Petryna, P. E.  
Civil Engineer  
Environment, Health and Safety



NW-64

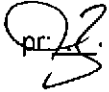
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Enclosure

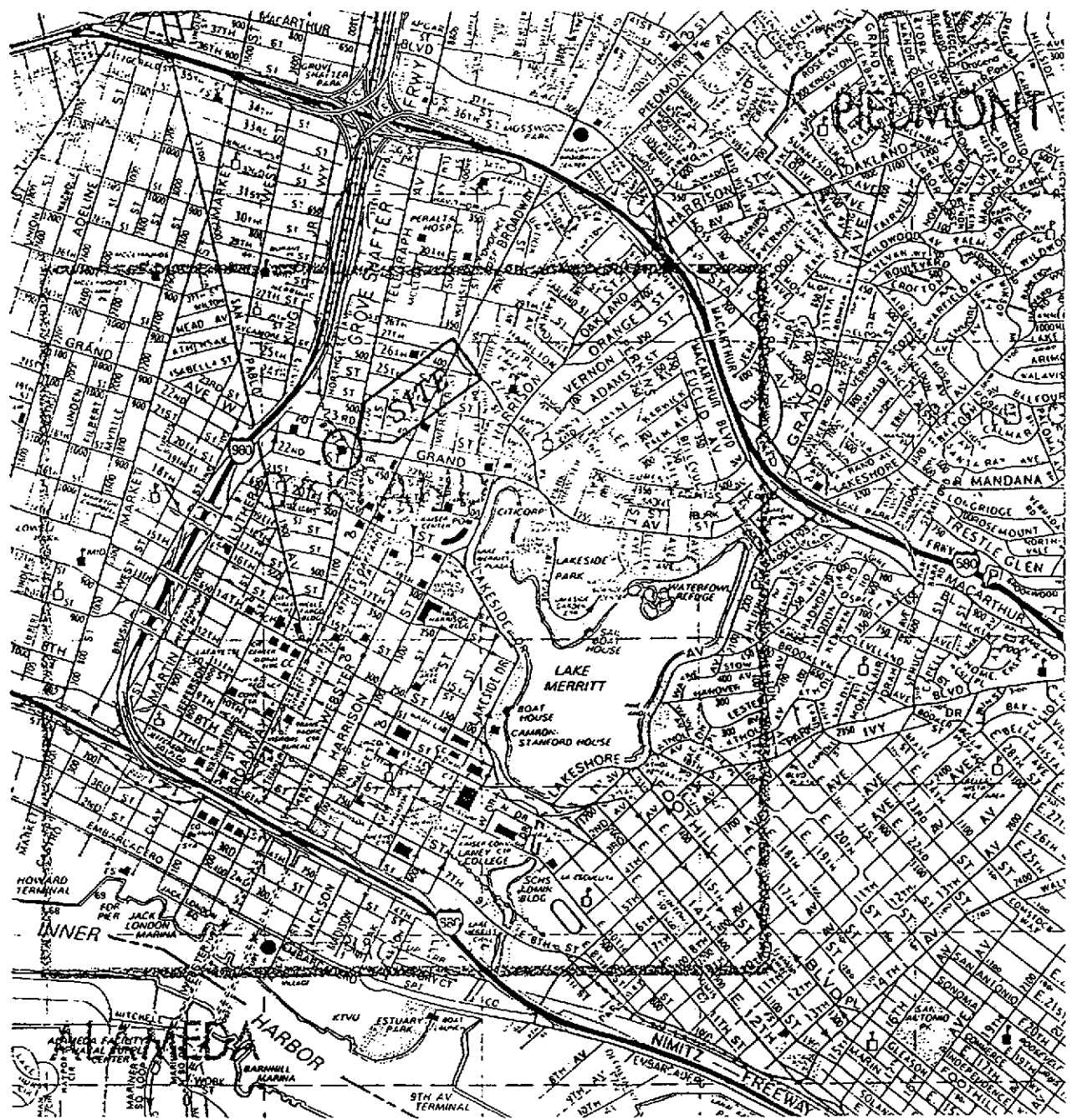
cc: Mr. Michael Faber  
Exxon Company, USA  
2300 Clayton Road, Suite 1250  
Concord, CA 94524-2032

Mr. Sarkis Soghomonian  
Kaprealian Engineering, Inc.  
2401 Stanwell Dr., Suite 400  
Concord, CA 94520

RAOFile-UCPFile (w/enclosure)

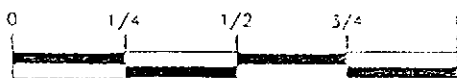
A handwritten signature in black ink, appearing to be 'M. Faber', is written over the text 'RAOFile-UCPFile (w/enclosure)'. The signature is stylized and somewhat illegible.

**Groundwater Monitoring and Sampling  
Second Quarter, 1997  
at the  
Former Texaco / Current Exxon Service Station  
2225 Telegraph Avenue  
Oakland, CA**



**SOURCE:**

1993 THE THOMAS GUIDE  
ALAMEDA COUNTY, PAGE 9 (B3)



MILE

1" = 2200'

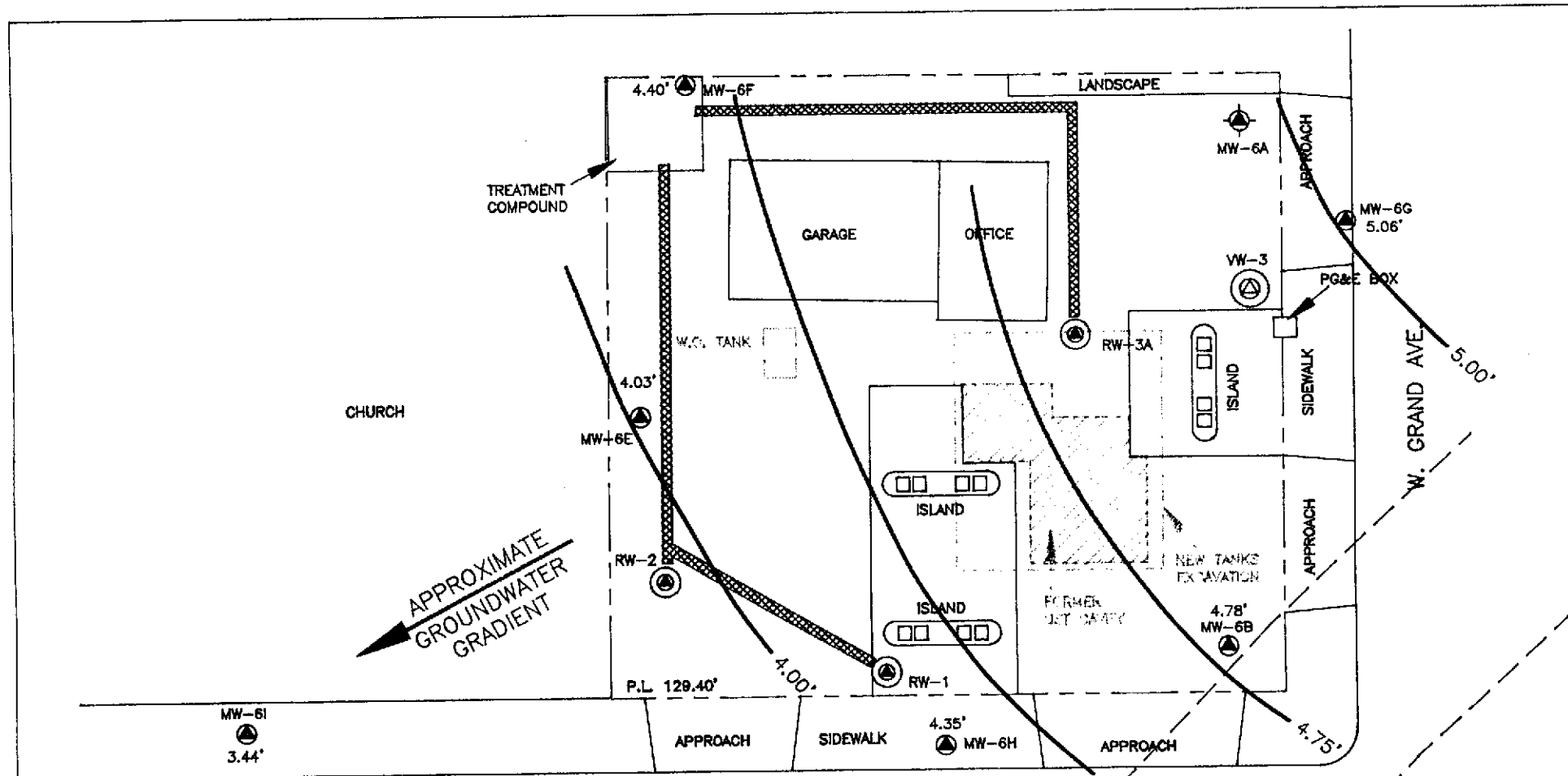


**TEXACO**








REFINING AND MARKETING, INC.  
TEXACO ENVIRONMENTAL SERVICES

PLATE 1

SITE VICINITY MAP  
FORMER TEXACO SERVICE STATION  
2225 TELEGRAPH AVE. / GRAND AVE.  
OAKLAND, CALIFORNIA

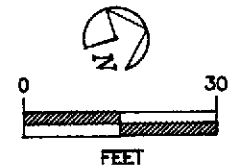


**LEGEND :**


-  VW-3 VAPOR EXTRACTION WELL LOCATION AND WELL NUMBER
-  MW-6A PROPERLY ABANDONED WELL LOCATION AND WELL NUMBER
-  MW-1 GROUNDWATER MONITORING WELL LOCATION AND WELL NUMBER
-  RW-1 GROUNDWATER RECOVERY/VAPOR EXTRACTION WELL LOCATION AND WELL NUMBER
-  TEXACO REMEDIATION SYSTEM TRENCH WITH 2" PVC VAPOR EXTRACTION LINE
-  GROUNDWATER CONTOUR LINE
-  5.06' GROUNDWATER ELEVATION (ABOVE MSL)

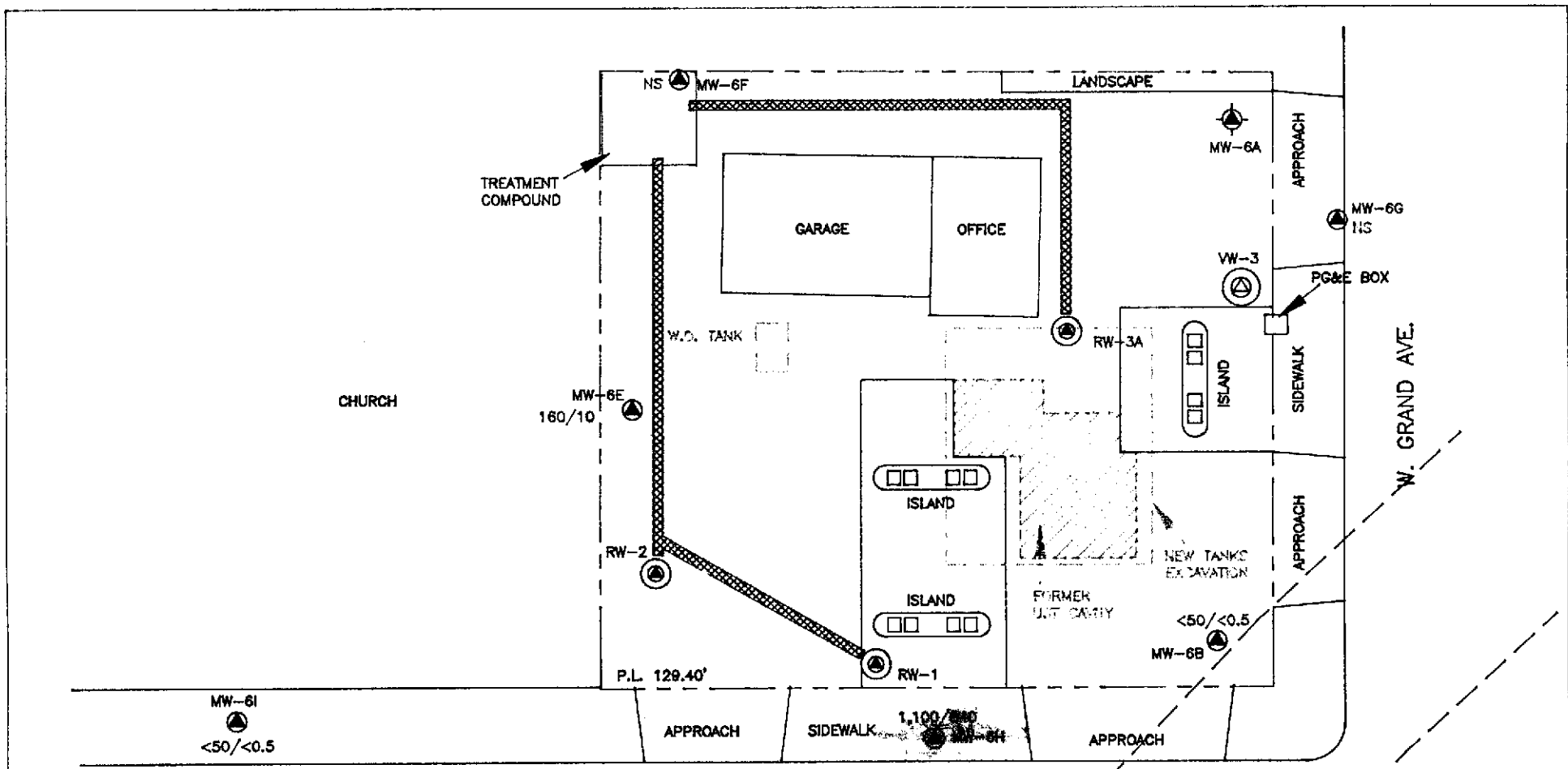
TELEGRAPH AVE.

APPROXIMATE LOCATION OF BART TUNNEL








SOURCE : MATTESON ENGINEERING CONDUCTED SURVEY ON 08/04/1994

	
<b>TEXACO</b>	
REFINING AND MARKETING INC. ENVIRONMENT, HEALTH AND SAFETY	
PLATE 2 : GROUNDWATER GRADIENT MAP ( 05/21/1997 )	
FORMER TEXACO SERVICE STATION 2225 TELEGRAPH AVE. / GRAND AVE., OAKLAND, CALIFORNIA	
SCALE	1"=30'-0" LOCATION # 82-488-0195
DRAWN BY	AMA DATE 07/25/1997
CHECKED BY	RJP DATE 8/5/97
DRAWING NO.	(OAKLAND) TE-GR-OK.DWG

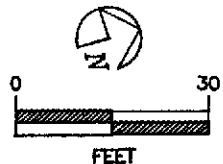


**LEGEND :**

-  VW-3 VAPOR EXTRACTION WELL LOCATION AND WELL NUMBER
-  MW-6A PROPERLY ABANDONED WELL LOCATION AND WELL NUMBER
-  MW-1 GROUNDWATER MONITORING WELL LOCATION AND WELL NUMBER
-  RW-1 GROUNDWATER RECOVERY/VAPOR EXTRACTION WELL LOCATION AND WELL NUMBER
-  TEXACO REMEDIATION SYSTEM TRENCH WITH 2" PVC VAPOR EXTRACTION LINE
- <50/<0.5 TPHg/BENZENE CONCENTRATION IN GROUNDWATER (ppb)
- NS WELL NOT SAMPLED

TELEGRAPH AVE.

APPROXIMATE LOCATION OF BART TUNNEL



SOURCE : MATTESON ENGINEERING CONDUCTED SURVEY ON 08/04/1994


	
<b>TEXACO</b> REFINING AND MARKETING INC. ENVIRONMENT, HEALTH AND SAFETY	
PLATE 3 : TPHg/BENZENE CONCENTRATION IN GROUNDWATER ( 06/21/1997 ) FORMER TEXACO SERVICE STATION 2225 TELEGRAPH AVE. / GRAND AVE., OAKLAND, CALIFORNIA	
SCALE 1"=30'-0"	LOCATION # 82-488-0195
DRAWN BY AMA	DATE 07/25/1997
CHECKED BY KCP	DATE 8/5/97
DRAWING NO. (OAKLAND) TE-GR-OK.DWG	

Table 1  
Groundwater Elevation Data  
2225 Telegraph Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet)
MW-6A	12/30/1991			Well Destroyed
MW-6B	2/25/1992	17.48	11.81	5.67
MW-6B	3/25/1992	17.48	11.58	5.90
MW-6B	6/16/1992	17.48	12.54	4.94
MW-6B	9/8/1992	17.48	12.87	4.61
MW-6B	11/5/1992	17.48	12.70	4.78
MW-6B	12/14/1992	17.48	12.19	5.29
MW-6B	1/28/1993	17.48	11.39	6.09
MW-6B	2/11/1993	17.48	11.70	5.78
MW-6B	3/9/1993	17.48	11.70	5.78
MW-6B	4/14/1993	17.48	11.87	5.61
MW-6B	5/11/1993	17.48	12.22	5.26
MW-6B	6/17/1993	17.48	12.46	5.02
MW-6B	7/26/1993	17.48	12.72	4.76
MW-6B	8/10/1993	17.48	12.82	4.66
MW-6B	9/21/1993	17.48	13.08	4.40
MW-6B	10/27/1993	17.48	13.18	4.30
MW-6B	11/23/1993	17.48	13.07	4.41
MW-6B	12/17/1993	17.48	NA	NA
MW-6B	2/16/1994	17.48	12.07	5.41
MW-6B	5/31/1994	17.48	12.42	5.06
MW-6B	8/30/1994	17.48	13.02	4.46
MW-6B	11/11/1994	17.48	11.72	5.76
MW-6B	2/27/1995	17.48	11.84	5.64
MW-6B	5/30/1995	17.48	12.09	5.39
MW-6B	8/30/1995	17.48	12.76	4.72
MW-6B	10/25/1995	17.48	13.03	4.45
MW-6B	2/24/1996	17.48	11.48	6.00
MW-6B	4/22/1996	17.48	12.91	4.57
MW-6B	11/26/1996	17.48	12.26	5.22
MW-6B	2/27/1997	17.48	11.73	5.75
MW-6B	5/21/1997	17.48	12.70	4.78
MW-6E	2/25/1992	17.63	13.16	4.47
MW-6E	3/25/1992	17.63	12.15	5.48
MW-6E	6/16/1992	17.63	13.54	4.09
MW-6E	9/8/1992	17.63	14.78	2.85
MW-6E	11/5/1992	17.63		Not Monitored
MW-6E	12/14/1992	17.63		Not Monitored
MW-6E	1/28/1993	17.63	11.62	6.01
MW-6E	2/11/1993	17.63	12.85	4.78
MW-6E	3/9/1993	17.63	12.83	4.80
MW-6E	4/14/1993	17.63		Not Monitored
MW-6E	5/11/1993	17.63	13.59	4.04
MW-6E	6/17/1993	17.63	13.74	3.89
MW-6E	7/26/1993	17.63	14.01	3.62
MW-6E	8/10/1993	17.63	14.13	3.50

Table 1  
Groundwater Elevation Data  
2225 Telegraph Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet)
MW-6E	9/21/1993	17.63	14.20	3.43
MW-6E	10/27/1993	17.63	14.34	3.29
MW-6E	11/23/1993	17.63	13.97	3.66
MW-6E	12/17/1993	17.63	13.08	4.55
MW-6E	2/16/1994	17.63	13.34	4.29
MW-6E	5/31/1994	17.63	13.82	3.81
MW-6E	8/30/1994	17.63	14.32	3.31
MW-6E	11/11/1994	17.63	13.92	3.71
MW-6E	2/27/1995	17.63	12.96	4.67
MW-6E	5/30/1995	17.63	13.20	4.43
MW-6E	8/30/1995	17.63	13.85	3.78
MW-6E	10/25/1995	17.63	13.96	3.67
MW-6E	2/24/1996	17.63	11.80	5.83
MW-6E	4/22/1996	17.63	12.45	5.18
MW-6E	11/26/1996	17.63	12.94	4.69
MW-6E	2/27/1997	17.63	12.28	5.35
MW-6E	5/21/1997	17.63	13.60	4.03
MW-6F	2/25/1992	18.58	12.68	5.90
MW-6F	3/25/1992	18.58	11.93	6.65
MW-6F	6/16/1992	18.58	14.34	4.24
MW-6F	9/8/1992	18.58	14.75	3.83
MW-6F	11/5/1992	18.58	14.35	4.23
MW-6F	12/14/1992	18.58	12.90	5.68
MW-6F	1/28/1993	18.58	11.60	6.98
MW-6F	2/11/1993	18.58	12.25	6.33
MW-6F	3/9/1993	18.58	12.50	6.08
MW-6F	4/14/1993	18.58	12.71	5.87
MW-6F	5/11/1993	18.58	13.63	4.95
MW-6F	6/17/1993	18.58	14.02	4.56
MW-6F	7/26/1993	18.58	Not Monitored	
MW-6F	8/10/1993	18.58	Not Monitored	
MW-6F	9/21/1993	18.58	14.80	3.78
MW-6F	10/27/1993	18.58	14.85	3.73
MW-6F	11/23/1993	18.58	Not Monitored - Inaccessible	
MW-6F	12/17/1993	18.58	13.86	4.72
MW-6F	2/16/1994	18.58	13.08	5.50
MW-6F	5/31/1994	18.58	14.06	4.52
MW-6F	8/30/1994	18.58	14.84	3.74
MW-6F	11/11/1994	18.58	12.60	5.98
MW-6F	2/27/1995	18.58	12.75	5.83
MW-6F	5/30/1995	18.58	13.16	5.42
MW-6F	8/30/1995	18.58	14.31	4.27
MW-6F	10/25/1995	18.58	14.40	4.18
MW-6F	2/24/1996	18.58	10.88	7.70
MW-6F	4/22/1996	18.58	12.56	6.02
MW-6F	11/26/1996	18.58	13.29	5.29
MW-6F	2/27/1997	18.58	Not Monitored	



Table 1  
Groundwater Elevation Data  
2225 Telegraph Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet)
MW-6F	5/21/1997	18.58	14.18	4.40
MW-6G	2/25/1992	16.82	10.32	6.50
MW-6G	3/25/1992	16.82	9.93	6.89
MW-6G	6/16/1992	16.82	11.88	4.94
MW-6G	9/8/1992	16.82	12.20	4.62
MW-6G	11/5/1992	16.82	12.02	4.80
MW-6G	12/14/1992	16.82	10.95	5.87
MW-6G	1/28/1993	16.82	9.56	7.26
MW-6G	2/11/1993	16.82	10.04	6.78
MW-6G	3/9/1993	16.82	10.10	6.72
MW-6G	4/14/1993	16.82	10.43	6.39
MW-6G	5/11/1993	16.82	11.05	5.77
MW-6G	6/17/1993	16.82	11.49	5.33
MW-6G	7/26/1993	16.82	11.98	4.84
MW-6G	8/10/1993	16.82	12.17	4.65
MW-6G	9/21/1993	16.82	12.42	4.40
MW-6G	10/27/1993	16.82	13.47	3.35
MW-6G	11/23/1993	16.82	12.48	4.34
MW-6G	12/17/1993	16.82	11.19	5.63
MW-6G	2/16/1994	16.82	10.62	6.20
MW-6G	5/31/1994	16.82	11.40	5.42
MW-6G	8/30/1994	16.82	12.32	4.50
MW-6G	11/11/1994	16.82	11.06	5.76
MW-6G	2/27/1995	16.82	10.32	6.50
MW-6G	5/30/1995	16.82	10.77	6.05
MW-6G	8/30/1995	16.82	11.92	4.90
MW-6G	10/25/1995	16.82	12.11	4.71
MW-6G	2/24/1996	16.82	9.47	7.35
MW-6G	4/22/1996	16.82	10.43	6.39
MW-6G	11/26/1996	16.82	11.12	5.70
MW-6G	2/27/1997	16.82	Not Monitored	
MW-6G	5/21/1997	16.82	11.76	5.06
MW-6H	2/25/1992	16.58	12.17	4.41
MW-6H	3/25/1992	16.58	11.65	4.93
MW-6H	6/16/1992	16.58	12.12	4.46
MW-6H	9/8/1992	16.58	12.30	4.28
MW-6H	11/5/1992	16.58	12.05	4.53
MW-6H	12/14/1992	16.58	11.65	4.93
MW-6H	1/28/1993	16.58	11.57	5.01
MW-6H	2/11/1993	16.58	12.22	4.36
MW-6H	3/9/1993	16.58	12.02	4.56
MW-6H	4/14/1993	16.58	12.02	4.56
MW-6H	5/11/1993	16.58	12.35	4.23
MW-6H	6/17/1993	16.58	12.22	4.36
MW-6H	7/26/1993	16.58	12.32	4.26
MW-6H	8/10/1993	16.58	12.30	4.28

Table 1  
Groundwater Elevation Data  
2225 Telegraph Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet)
MW-6H	9/21/1993	16.58	12.79	3.79
MW-6H	10/27/1993	16.58	13.93	2.65
MW-6H	11/23/1993	16.58	12.46	4.12
MW-6H	12/17/1993	16.58	12.08	4.50
MW-6H	5/31/1994	16.58	12.46	4.12
MW-6H	8/30/1994	16.58	12.72	3.86
MW-6H	11/11/1994	16.58	11.98	4.60
MW-6H	2/27/1995	16.58	11.89	4.69
MW-6H	5/30/1995	16.58	12.05	4.53
MW-6H	8/30/1995	16.58	12.34	4.24
MW-6H	10/25/1995	16.58	12.52	4.06
MW-6H	2/24/1996	16.58	11.58	5.00
MW-6H	4/22/1996	16.58	11.68	4.90
MW-6H	11/26/1996	16.58	11.87	4.71
MW-6H	2/27/1997	16.58	11.58	5.00
MW-6H	5/21/1997	16.58	12.23	4.35
MW-6I	2/25/1992	16.26	12.45	3.81
MW-6I	3/25/1992	16.26	12.12	4.14
MW-6I	6/16/1992	16.26	12.75	3.51
MW-6I	9/8/1992	16.26	12.84	3.42
MW-6I	11/5/1992	16.26	12.75	3.51
MW-6I	12/14/1992	16.26	12.40	3.86
MW-6I	1/28/1993	16.26	12.20	4.06
MW-6I	2/11/1993	16.26	12.40	3.86
MW-6I	3/9/1993	16.26	12.45	3.81
MW-6I	4/14/1993	16.26	12.43	3.83
MW-6I	5/11/1993	16.26	12.73	3.53
MW-6I	6/17/1993	16.26	12.78	3.48
MW-6I	7/26/1993	16.26	12.92	3.34
MW-6I	8/10/1993	16.26	12.97	3.29
MW-6I	9/21/1993	16.26	13.02	3.24
MW-6I	10/27/1993	16.26	13.10	3.16
MW-6I	11/23/1993	16.26	13.02	3.24
MW-6I	12/17/1993	16.26	12.65	3.61
MW-6I	2/16/1994	16.26	12.66	3.60
MW-6I	5/31/1994	16.26	12.90	3.36
MW-6I	8/30/1994	16.26	13.06	3.20
MW-6I	11/11/1994	16.26	15.20	1.06
MW-6I	2/27/1995	16.26	12.51	3.75
MW-6I	5/30/1995	16.26	12.57	3.69
MW-6I	8/30/1995	16.26	12.86	3.40
MW-6I	10/25/1995	16.26	12.92	3.34
MW-6I	2/24/1996	16.26	11.97	4.29
MW-6I	4/22/1996	16.26	12.35	3.91
MW-6I	11/26/1996	16.26	12.45	3.81
MW-6I	2/27/1997	16.26	12.24	4.02
MW-6I	5/21/1997	16.26	12.82	3.44

Table 1  
Groundwater Elevation Data  
2225 Telegraph Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet)
RW-1	2/25/1992	16.79	14.40	2.39
RW-1	3/25/1992	16.79	NA	NA
RW-1	6/16/1992	16.79	12.37	4.42
RW-1	9/8/92 - 5/21/97	16.79	Not Monitored	
RW-2 (formerly MW-6D)	2/25/1992	17.02	16.27	0.75
RW-2 (formerly MW-6D)	3/25/1992	17.02	Not Monitored	
RW-2 (formerly MW-6D)	6/16/1992	17.02	12.86	4.16
RW-2 (formerly MW-6D)	9/8/92 - 5/21/97	17.02	Not Monitored	
RW-3 (formerly MW-6C)	8/30/1994	18.04	Not Monitored	
RW-3 (formerly MW-6C)	11/11/94 - 5/21/97	18.04	Not Monitored	
Elevation 17.68 @ intersection of Telegraph & 23rd St. jobsite				
NA = Not Available				

Table 2  
Groundwater Analytical Data  
2225 Telegraph Avenue, Oakland, CA

Well Number	Date Sampled	TPH as gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
MW-6A						Well Destroyed	
MW-6B	3/25/1992	190	31	8.6	84	8.6	NA
MW-6B	6/16/1992	1,700	44	1.7	7.2	230	NA
MW-6B	9/8/1992	2,900	35	8.3	110	330	NA
MW-6B	11/5/1992	1,400	29	<0.5	75	190	NA
MW-6B	2/11/1993	210	1.2	<0.5	2.8	4.3	NA
MW-6B	5/11/1993	570	54	2.4	37	36	NA
MW-6B	8/10/1993	1,300	48	2.4	28	44	NA
MW-6B	10/27/1993	1,300	23	1.7	25	250	NA
MW-6B	2/16/1994	300	16	<0.5	3.5	2.4	NA
MW-6B	5/31/1994	690	21	3.9	11	36	NA
MW-6B	8/30/1994	260	4	0.62	0.82	4	NA
MW-6B	11/11/1994	300	60	2	1.2	2.4	NA
MW-6B	2/27/1995	180	28	2.6	0.65	1.6	NA
MW-6B	5/30/1995	200	23	3.6	0.88	2.3	NA
MW-6B	8/30/1995	120	3.8	3.6	0.61	0.69	42
MW-6B	10/25/1995	91	1.7	<0.5	<0.5	0.84	NA
MW-6B	2/24/1996	110	27	0.86	0.98	1.8	NA
MW-6B	4/22/1996	<50	2.3	<0.5	<0.5	<0.5	<30
MW-6B	8/13/1996	210	4.3	0.70	<0.5	1.1	<30
MW-6B	11/26/1996	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-6B	2/27/1997	<50	<0.5	<0.5	<0.5	0.80	<30
MW-6B	5/21/1997	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-6E	3/25/1992	830	41	1	3.8	16	NA
MW-6E	6/16/1992	3,400	300	23	68	510	NA
MW-6E	9/8/1992	480	27	<0.5	3.6	21	NA
MW-6E	11/5/1992	Not Sampled					
MW-6E	2/11/1993	270	15	<0.5	<0.5	8.7	NA
MW-6E	5/11/1993	<50	2.3	<0.5	1.4	3.2	NA
MW-6E	8/10/1993	1,700	130	2.7	23	140	NA
MW-6E	10/27/1993	100	6	<0.5	<0.5	<0.5	NA
MW-6E	2/16/1994	640	45	<0.5	12	15	NA
MW-6E	5/31/1994	52	1.5	0.97	<0.5	<0.5	NA
MW-6E	8/30/1994	920	22	0.98	5.2	33	NA
MW-6E	11/11/1994	910	13	2.4	13	2.5	NA
MW-6E	2/27/1995	<50	1.9	1.3	<0.5	0.83	NA
MW-6E	5/30/1995	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6E	8/30/1995	1,500	91	2.3	56	59	11
MW-6E	10/25/1995	290	7.7	<0.5	5.7	1.7	NA
MW-6E	2/24/1996	<50	2.2	0.77	<0.5	0.83	NA
MW-6E	4/22/1996	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-6E	8/13/1996	420	47	1.9	8.1	26	<30
MW-6E	11/26/1996	<50	1.1	<0.5	<0.5	<0.5	<30
MW-6E	2/27/1997	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-6E	5/21/1997	160	10	1.4	5.5	4.8	<5

Table 2  
Groundwater Analytical Data  
2225 Telegraph Avenue, Oakland, CA

Well Number	Date Sampled	TPH as gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
MW-6F	3/25/1992	ND	ND	<0.5	<0.5	<0.5	NA
MW-6F	6/16/1992	ND	ND	<0.5	<0.5	<0.5	NA
MW-6F	9/8/1992	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6F	11/5/1992	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6F	2/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6F	5/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6F	8/10/1993	Not Sampled					NA
MW-6F	10/27/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6F	2/16/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6F	5/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6F	8/30/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6F	11/11/1994	<50	<0.5	0.54	<0.5	<0.5	NA
MW-6F	2/27/1995	<50	6.2	3.0	0.82	3.5	NA
MW-6F	5/30/1995	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6F	8/30/1995	<50	<0.5	<0.5	<0.5	<0.5	<10
MW-6F	10/25/1995	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6F	2/24/1996	Not Sampled					
MW-6F	4/22/1996	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-6F	8/13/1996	Not Sampled					
MW-6F	11/26/1996	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-6F	2/27/97 - 5/21/97	Not Sampled					
MW-6G	3/25/1992	ND	ND	<0.5	<0.5	<0.5	NA
MW-6G	6/16/1992	ND	ND	<0.5	<0.5	<0.5	NA
MW-6G	9/8/1992	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6G	11/5/1992	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6G	2/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6G	5/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6G	8/10/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6G	10/27/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6G	2/16/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6G	5/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6G	8/30/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6G	11/11/1994	58	0.58	1.6	<0.5	1.6	NA
MW-6G	2/27/1995	<50	0.86	0.99	<0.5	0.51	NA
MW-6G	5/30/1995	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6G	8/30/1995	<50	<0.5	<0.5	<0.5	<0.5	<10
MW-6G	10/25/1995	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6G	2/24/1996	Not Sampled					
MW-6G	4/22/1996	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-6G	8/13/1996	Not Sampled					
MW-6G	11/26/1996	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-6G	2/27/97 - 5/21/97	Not Sampled					
MW-6H	3/25/1992	920	170	52	25	54	NA
MW-6H	6/16/1992	460	31	11	6.8	16	NA
MW-6H	9/8/1992	780	69	23	17	18	NA
MW-6H	11/5/1992	3,400	500	260	85	160	NA

Table 2  
Groundwater Analytical Data  
2225 Telegraph Avenue, Oakland, CA

Well Number	Date Sampled	TPH as gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
MW-6H	2/11/1993	2,500	410	170	28	130	NA
MW-6H	5/11/1993	4,200	490	270	80	210	NA
MW-6H	8/10/1993	650	83	22	14	29	NA
MW-6H	10/27/1993	1,600	130	90	29	130	NA
MW-6H	2/16/1994	<50	<0.5	<0.5	<0.5	2.9	NA
MW-6H	5/31/1994	1,800	370	220	65	210	NA
MW-6H	8/30/1994	1,900	130	90	19	86	NA
MW-6H	11/11/1994	13,000	1,700	1,400	260	1,800	NA
MW-6H	2/27/1995	320	450	120	28	79	NA
MW-6H	5/30/1995	2,300	960	260	64	200	NA
MW-6H	8/30/1995	2,100	590	35	24	74	50
MW-6H	10/25/1995	1,400	93	23	11	80	NA
MW-6H	2/24/1996	2,000	810	92	25	78	NA
MW-6H	4/22/1996	3,200	1,200	160	38	200	<30
MW-6H	8/13/1996	930	110	21	4.2	81	77
MW-6H	11/26/1996	1,200	320	110	22	85	<30
MW-6H	2/27/1997	1,800	760	31	8.4	44	<200
MW-6H	5/21/1997	<b>1,100</b>	<b>640</b>	18	5.4	45	<b>81</b>
MW-6I	3/25/1992	ND	ND	<0.5	<0.5	<0.5	NA
MW-6I	6/16/1992	ND	ND	<0.5	<0.5	<0.5	NA
MW-6I	9/8/1992	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6I	11/5/1992	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6I	2/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6I	5/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6I	8/10/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6I	10/27/1993	<50	<0.5	<0.5	<0.5	1.1	NA
MW-6I	2/16/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6I	5/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6I	8/30/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6I	11/11/1994	53	0.62	1.8	<0.5	2.0	NA
MW-6I	2/27/1995	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6I	5/30/1995	69	2.8	0.96	1.1	4.3	NA
MW-6I	8/30/1995	<50	<0.5	<0.5	<0.5	<0.5	<10
MW-6I	10/25/1995	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6I	2/24/1996	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6I	4/22/1996	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-6I	8/13/1996	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-6I	11/26/1996	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-6I	2/27/1997	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-6I	5/21/1997	<50	<0.5	<0.5	<0.5	<0.5	<30

Table 2  
Groundwater Analytical Data  
2225 Telegraph Avenue, Oakland, CA

Well Number	Date Sampled	TPH as gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
RW-1	6/16/1992	6,200	620	1,400	240	1,400	NA
RW-1	9/8/92 - 5/21/97	Not Sampled					
RW-2	3/25/1992	NA	NA	NA	NA	NA	NA
RW-2	6/16/1992	28,000	2,900	1,000	120	2,700	NA
RW-2	9/8/92 - 5/21/97	Not Sampled					
RW-3	8/30/94 - 5/21/97	Not Sampled					
ppb = parts per billion							
TPHg = Total Petroleum Hydrocarbons as gasoline							
< = Less than the detection limit for the specified method of analysis							
NA = Not Analyzed							
ND = Not detectable at or above method detection limit							
MTBE = Methyl-tert-butylether							

801 Western Avenue  
 Glendale, CA 91201  
 818/247-5737  
 Fax: 818/247-9797

LOG NO: G97-05-549

Received: 23 MAY 97

Mailed: **JUN 4 1997**

Ms. Rebecca Digerness  
 Texaco Environmental Services  
 108 Cutting Boulevard  
 Richmond, CA 94804

Purchase Order: 94-1446346+4370

Requisition: 624880195  
 Project: FKEP9036L

REPORT OF ANALYTICAL RESULTS

Page 1

AQUEOUS

SAMPLE DESCRIPTION	DATE SAMPLED	TPH/BTEX (CADHS/8020)	Date Analyzed Date	Dilution Factor Times	TPH-g	Benzene	Toluene	Ethyl-Benzene	Methyl-tert-butylether	Total Xylenes Isomers	Carbon Range
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RDL				1	50	0.5	0.5	0.5	30	0.5	
1*MW-6B	05/21/97	05/29/97		1	<50	<0.5	<0.5	<0.5	<30	<0.5	C6-C12
2*MW-6E	05/21/97	05/29/97		1	160	10	1.4	5.5	150	4.8	C6-C12
3*MW-6H	05/21/97	05/29/97		1	1100	640	18	5.4	81	45	C6-C12
4*MW-6I	05/21/97	05/29/97		1	<50	<0.5	<0.5	<0.5	<30	<0.5	C6-C12

Karen Petryna  
 2225 Telegraph Ave., Oakland  
 Alameda County





801 Western Avenue  
 Glendale, CA 91201  
 818/247-5737  
 Fax: 818/247-9797

LOG NO: G97-05-549

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 108 Cutting Boulevard  
 Richmond, CA 94804

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REPORT OF ANALYTICAL RESULTS

Page 2

AQUEOUS

SAMPLE DESCRIPTION	DATE SAMPLED	TPH/BTEX (CADHS/8020)	Date Analyzed	Dilution Factor	TPH-g	Benzene	Toluene	Ethyl-Benzene	Methyl-tert-butylether	Total Xylenes Isomers	Carbon Range
			Date	Times	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RDL				1	50	0.5	0.5	0.5	30	0.5	
5*EB	05/21/97	05/29/97		1	<50	<0.5	<0.5	<0.5	<30	<0.5	C6-C12

*Greta Galoustian*  
 Greta Galoustian, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

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: ORDER PLACED FOR CLIENT: Texaco Environmental Services 9705549 :  
: VOC ANALYTICAL : GLEN LAB : 15:31:08 04 JUN 1997 - P. 1 :  
=====

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9705549*1	MW-6B	GAS.MTBE.TESNC  DATA.REVIEW	05.29.97 06.04.97	8015M.TX	536-21	976053	7424 7524
9705549*2	MW-6E	GAS.MTBE.TESNC  DATA.REVIEW	05.29.97 06.04.97	8015M.TX	536-23	975083	7424 7524
9705549*3	MW-6H	GAS.MTBE.TESNC  DATA.REVIEW	05.29.97 06.04.97	8015M.TX	536-23	975083	7424 7524
9705549*4	MW-6I	GAS.MTBE.TESNC  DATA.REVIEW	05.29.97 06.04.97	8015M.TX	536-21	976053	7424 7524
9705549*5	EB	GAS.MTBE.TESNC	05.29.97	8015M.TX	536-21	976053	7424

\*\*\*

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

AQUEOUS SAMPLES	METHOD BLANK			LAB CONTROL						MATRIX QC						
	UNITS	RESULT	RDL FLG	LCS %REC FLG	LCSD %REC FLG	LCL	UCL	RPD	RPD	MS %REC FLG	MSD %REC FLG	LCL	UCL	RPD	RPD	
Batch: GAS*975083 Method: 8015M.TX - Modified 8015																
Benzene	ug/L	0	0.5 -	96 -	- -	76	155	-	-	87 -	89 -	70	153	3	25	-
Toluene	ug/L	0.20	0.5 -	98 -	- -	72	121	-	-	83 -	82 -	69	119	1	25	-
Ethylbenzene	ug/L	0	0.5 -	100 -	- -	72	115	-	-	96 -	92 -	68	116	4	25	-
Methyl-tert-butylether	ug/L	0	30 -	114 -	- -	62	159	-	-	126 -	125 -	80	176	1	25	-
Total Xylene Isomers	ug/L	0.22	0.5 -	102 -	- -	68	115	-	-	83 -	82 -	61	118	1	25	-
TPH (Gasoline Range)	ug/L	0	50 -	94 -	- -	85	120	-	-	90 -	90 -	78	124	0	25	-
[a,a,a-Trifluorotoluene]	Percent	90	- -	100 -	- -	85	118	-	-	97 -	98 -	85	118	-	-	-
Batch: GAS*976053 Method: 8015M.TX - Modified 8015																
Benzene	ug/L	0	0.5 -	104 -	99 -	76	155	5	-	102 -	102 -	70	153	0	25	-
Toluene	ug/L	0	0.5 -	104 -	100 -	72	121	4	-	90 -	93 -	69	119	3	25	-
Ethylbenzene	ug/L	0	0.5 -	102 -	99 -	72	115	3	-	91 -	94 -	68	116	3	25	-
Methyl-tert-butylether	ug/L	0	30 -	118 -	115 -	62	159	2	-	147 -	149 -	80	176	1	25	-
Total Xylene Isomers	ug/L	0	0.5 -	104 -	101 -	68	115	3	-	79 -	82 -	61	118	4	25	-
TPH (Gasoline Range)	ug/L	0	50 -	95 -	91 -	85	120	4	-	100 -	96 -	78	124	4	25	-
[a,a,a-Trifluorotoluene]	Percent	102	- -	96 -	98 -	85	118	-	-	119 Q	125 Q	85	118	-	-	-

: SURROGATE RECOVERIES :  
: BC ANALYTICAL : GLEN LAB : 15:31:48 04 JUN 1997 - P. 1 :  
=====

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9705549*1							
8015M.TXa	a,a,a-Trifluorotoluene	Re976053	05/29/97	50.8	50.0	102	
9705549*2							
8015M.TXa	a,a,a-Trifluorotoluene	Re975083	05/29/97	50.1	50.0	100	
9705549*3							
8015M.TXa	a,a,a-Trifluorotoluene	Re975083	05/29/97	47.5	50.0	95	
9705549*4							
8015M.TXa	a,a,a-Trifluorotoluene	Re976053	05/29/97	48.8	50.0	98	
9705549*5							
8015M.TXa	a,a,a-Trifluorotoluene	Re976053	05/29/97	47.9	50.0	96	

G97-05-549

Chain-of-Custody

**Texaco Environmental Services**  
 108 Cutting Boulevard  
 Richmond, California 94804  
 Phone: (510) 236-3541  
 FAX: (510) 237-7021  
 Forward Results to the Attention of Rebecca Digerness  
 Texaco Project Coordinator Karen Petryna

Site Name: Texaco Loc# 624880195  
 Site Address: 2225 Telegraph Ave., Oakland, CA  
 Contractor Project Number: 970521-52  
 Contractor Name: Blaine Tech Services, Inc.  
 Address: 1680 Rogers Ave., San Jose, CA 95112  
 Project Contact: Kent Brown  
 Phone/FAX: (408) 573-0555 / (408) 573-7771

Laboratory: B C Analytical  
 Turn Around Time: normal (10 day)  
 Samplers (PRINT NAME): Matt James  
 Sampler Signature: [Signature]  
 Date Samples Collected: 5/21/97

ANALYSIS

Sample Number	Lab Sample Number	Date / Time Collected	No. of Containers	Type of Containers	Sample Matrix	Preservative	TPH Gas/BTEX / MTBE	TPH Diesel	O&G/TRPH (418.1)	TPH Ex. (C8-C36 +)	VOCs 8240/824	P. Halocarbons 8010/60	P. Aromatics 8020/602	Organic Lead	Comments
MW-OR ✓		5/21 1430	3	HCl	W	HCl	X								
MW-GE ✓		↓ 1500	3	↓	↓	↓	X								
MW-GH ✓		↓ 1520	3	↓	↓	↓	X								
MW-GI ✓		↓ 1410	3	↓	↓	↓	X								
EB ✓		↓ 1510	3	↓	↓	↓	X								

Relinquished by: (Signature) <u>[Signature]</u>	Date: <u>5/23/97</u> Time: <u>1225</u>	Received by: (Signature) <u>[Signature]</u>	Date: <u>5/23/97</u> Time: <u>1225</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date: <u>5/23/97</u> Time: <u>1730</u>	Received by: (Signature) <u>[Signature]</u>	Date: <u>5/24/97</u> Time: <u>10:30</u>
Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:
Method of Shipment:		Lab Comments:	

# ANALYTICAL REPORT



*Our Quality Control Is Your Quality Assurance*

LOG NO: G97-06-018

Received: 03 JUN 97

Mailed: JUN 11 1997

Ms. Rebecca Digerness  
Texaco Environmental Services  
108 Cutting Boulevard  
Richmond, CA 94804

Purchase Order: 94-1446346+4370

Requisition: 624880195  
Project: FKEP9036L

## REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	06-018-1
DATE SAMPLED	21 MAY 97
SAMPLE DESCRIPTION	MW-6E
AQUEOUS	
Volatile Organics (8240)	
Date Analyzed	06/04/97
Dilution Factor, Times	1
Methyl-tert-butylether, ug/L	<5
Other Volatile Organics (8240)	---
Surrogates **	
1,2-Dichloroethane-d4 Rep., ug/L	47.4
1,2-Dichloroethane-d4 Theo., ug/L	50.0

Ms. Karen Petryna  
2225 Telegraph Ave., Oakland  
Alameda County  
Old order G97-05-549



*Our Quality Control Is Your Quality Assurance*

LOG NO: G97-06-018

Received: 03 JUN 97

Ms. Rebecca Digerness  
Texaco Environmental Services  
108 Cutting Boulevard  
Richmond, CA 94804

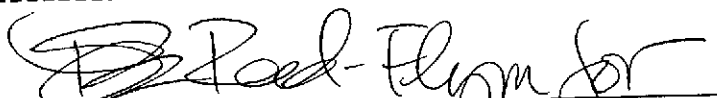
Purchase Order: 94-1446346+4370

Requisition: 624880195  
Project: FKEP9036L

REPORT OF ANALYTICAL RESULTS

Page 2

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Greta Galoustian, Laboratory Director

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: VOC ANALYTICAL : GLEN LAB : 10:37:07 11 JUN 1997 - P. 1 :  
=====

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP. BATCH..	ID.NO
9706018*1	MW-6E	VOA.8240.MTBE	06.04.97	8240	537-01 971083	8659

\*\*\*

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.  
ID.NO = VOC Analytical employee identification number of analyst.





: SURROGATE RECOVERIES :  
: BC ANALYTICAL : GLEN LAB : 10:37:41 11 JUN 1997 - P. 1 :  
=====

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9706018*1							
8240	1,2-Dichloroethane-d4	Rep971083	06/04/97	47.4	50.0	95	

997-05-549

Chain of Custody

Page 1 of 1

**Texaco Environmental Services**  
 108 Cutting Boulevard  
 Richmond, California 94804  
 Phone: (510) 236-3541  
 FAX: (510) 237-7821  
 Forward Results to the Attention of Rebecca Digerness  
 Texaco Project Coordinator Karen Petryna

**Site Name:** Texaco Loc# 624880195  
**Site Address:** 2225 Telegraph Ave., Oakland, CA  
**Contractor Project Number:** 970521-52  
**Contractor Name:** Blaine Tech Services, Inc.  
**Address:** 1680 Rogers Ave., San Jose, CA 95112  
**Project Contact:** Kent Brown  
**Phone/FAX:** (408) 573-0555 / (408) 573-7771

**Laboratory:** B C Analytical  
**Turn Around Time:** normal (10 day)  
**Samplers (PRINT NAME):** Mat James  
**Sampler Signature:** [Signature]  
**Date Samples Collected:** 5/21/97

ANALYSIS

Sample Number	Lab Sample Number	Date/Time Collected	No. of Containers	Type of Containers	Sample Matrix	Preservative	ANALYSIS							Comments			
							TPH gas/BTEX / MTBE	TPH Diesel	O&G/TRPH (418.1)	TPH Ex. (CB-C36 +)	VOCs 8240/624	P. Halocarbons 8010/60	P. Aromatics 8020/602		Organic Lead		
MW-0B ✓		5/21 1430	3	HCl	W	HCl	X										
MW-6E ✓		↓ 1500	3	↓	↓	↓	X										
MW-6H ✓		↓ 1520	3	↓	↓	↓	X										
MW-6I ✓		↓ 1410	3	↓	↓	↓	X										
EB ✓		↓ 1510	3	↓	↓	↓	X										

**Relinquished by:** [Signature] **Date:** 5/23/97 **Time:** 1225  
**Received by:** [Signature] **Date:** 5/23/97 **Time:** 1225

**Relinquished by:** [Signature] **Date:** 5/23/97 **Time:** 1730  
**Received by:** [Signature] **Date:** 5/24/97 **Time:** 10:30

**Relinquished by:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_  
**Received by:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

**Method of Shipment:** \_\_\_\_\_ **Lab Comments:** \_\_\_\_\_

2225 Telegraph Ave., Oakland

Well Gauging Data

Project Name: 624880195  
Project Number: 970521-31

Date: 5/21/97  
Recorded By: MS

Well ID	TOC Elev.	DTB (ft. TOC)	Well Dia. (in.)	DTP (ft.)	DTW (ft.)	PT (ft.)	Comments
MW-6D		18.14	2		12.70		
6E		19.57	4		13.60		
6F		19.50	4		14.18		
6G		19.09	4		11.74		
6H		19.54	4		12.23		
6I		19.35	4		12.82		

TOC = Top of casing  
DTB = Depth to bottom in feet below TOC  
DTP = Depth to product in feet below TOC  
DTW = Depth to water in feet below TOC  
PT = Product thickness in feet

# TEXACO WELL MONITORING DATA SHEET

Project #: 970521-22	Texaco ID#: 624880195
Sampler: MT	Date: 5/21/97
Well I.D.: MW-6E	Well Diameter: 2 3 4 6 8
Total Well Depth: 19.57	Depth to Water: 13.60
Depth to Free Product:	Thickness of Free Product:
All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.	

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius <sup>2</sup> * 0.164

Purge Method: S.S. Bailer <input type="checkbox"/> Teflon Bailer <input type="checkbox"/> Middleburg <input type="checkbox"/> Electric Submersible <input checked="" type="checkbox"/> Extraction Pump <input type="checkbox"/>	Sampling Method: S.S. Bailer <input checked="" type="checkbox"/> Teflon Bailer <input type="checkbox"/> Extraction Port <input type="checkbox"/> Other: _____
Other: _____	

3.9	x	3	=	11.0	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
1448	64.8	6.8	790	52.4	4	
1450	65.2	6.7	760	26.7	8	
1451	65.4	6.7	750	12.4	12	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 12
Sampling Time: 1500	Sampling Date: 5/21
Sample I.D.: MW-6E	Laboratory: BC Analytical
Analyzed for: Tph-G BTEX Tph-D	Other: MTBE
Equipment Blank I.D.: EBC 1510 Analyzed for same as primary sample	

## TEXACO WELL MONITORING DATA SHEET

Project #: <i>970521-52</i>	Texaco ID#: <i>624880195</i>
Sampler: <i>MS</i>	Date: <i>5/21/07</i>
Well I.D.: <i>MW-6H</i>	Well Diameter: 2 3 <b>(4)</b> 6 8 <u>  </u>
Total Well Depth: <i>19.54</i>	Depth to Water: <i>12.23</i>
Depth to Free Product: <u>  </u>	Thickness of Free Product: <u>  </u>
All Measurements are referenced to TOC.      Meter used is Myron LpDS pH/EC Meter.      All temperatures taken in degrees Fahrenheit.	

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius <sup>2</sup> * 0.164

Purge Method:      S.S. Bailer      Sampling Method: ~~S.S. Bailer~~  
                          Teflon Bailer                                  Teflon Bailer  
                          Middleburg    Extraction Port  
                          Electric Submersible                                   Other: \_\_\_\_\_  
                          Extraction Pump

Other: \_\_\_\_\_

<u>  4.8  </u>	x	<u>  3  </u>	=	<u> 14.5 </u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
<i>1512</i>	<i>65.8</i>	<i>6.5</i>	<i>2000</i>	<i>82.8</i>	<i>5</i>	<i>000</i>
<i>1514</i>	<i>66.8</i>	<i>6.4</i>	<i>1800</i>	<i>140</i>	<i>10</i>	
<i>1516</i>	<i>67.0</i>	<i>6.4</i>	<i>1700</i>	<i>&gt; 200</i>	<i>15</i>	

Did well dewater?    Yes     **No**       Gallons actually evacuated:      *15*

Sampling Time:      *1520*      Sampling Date:      *5/21*

Sample I.D.:      *MW-6H*      Laboratory:      *BC Analytical*

Analyzed for:      ~~Tph-G~~ ~~BTEX~~ Tph-D      Other:      *MNBE*

Equipment Blank I.D.:      Analyzed for same as primary sample

## TEXACO WELL MONITORING DATA SHEET

Project #: <u>97052151</u>	Texaco ID#: <u>624880195</u>
Sampler: <u>MIX</u>	Date: <u>5/21/07</u>
Well I.D.: <u>MW-6T</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 <u>    </u>
Total Well Depth: <u>19.35</u>	Depth to Water: <u>12.82</u>
Depth to Free Product:	Thickness of Free Product:
All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.	

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius <sup>2</sup> * 0.164

Purge Method: <input type="checkbox"/> S.S. Bailer <input type="checkbox"/> Teflon Bailer <input type="checkbox"/> Middleburg <input checked="" type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: <u>                    </u>	Sampling Method: <input checked="" type="checkbox"/> S.S. Bailer <input type="checkbox"/> Teflon Bailer <input type="checkbox"/> Extraction Port Other: <u>                    </u>
--	--

<u>4.2</u>	x	<u>3</u>	=	<u>12.7</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
<u>1403</u>	<u>63.4</u>	<u>6.8</u>	<u>800</u>	<u>24.2</u>	<u>5</u>	
<u>1404</u>	<u>64.8</u>	<u>6.7</u>	<u>720</u>	<u>28.7</u>	<u>9</u>	
<u>1405</u>	<u>64.6</u>	<u>6.7</u>	<u>710</u>	<u>31.4</u>	<u>13</u>	

Did well dewater? Yes <input type="checkbox"/> <input checked="" type="checkbox"/> No	Gallons actually evacuated: <u>13</u>
Sampling Time: <u>1410</u>	Sampling Date: <u>5/21</u>
Sample I.D.: <u>MW-6T</u>	Laboratory: <u>BC Analytical</u>
Analyzed for: <u>Tph-G BTEX Tph-D</u>	Other: <u>MTBE</u>
Equipment Blank I.D.:	Analyzed for same as primary sample

**SOURCE RECORD BILL OF LADING**  
 FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM  
 GROUNDWATER WELLS AT TEXACO FACILITIES IN THE  
 STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE-  
 WATER WHICH HAS BEEN RECOVERED FROM GROUND-  
 WATER WELLS IS COLLECTED BY THE CONTRACTOR,  
 MADE UP INTO LOADS OF APPROPRIATE SIZE AND  
 HAULED TO THE DESTINATION DESIGNATED BY TEXACO  
 ENVIRONMENTAL SERVICES (TES).

Contractor: Blaine Tech Services, Inc.  
 Address: 1680 Rogers Avenue  
 City, State, ZIP: San Jose, CA 95112  
 Phone: (408) 573-0555

is authorized by Texaco Environmental Services to recover, collect, apportion into loads, and haul the NON-HAZARDOUS WELL PURGEWATER that is drawn from wells at the Texaco facility listed below and to deliver that purgewater to an appropriate destination designated by TEXACO ENVIRONMENTAL SERVICES in either Redwood City, California or in Richmond, California. Transport routing of the Non-Hazardous Well Purgewater may be directed from one Texaco facility to the designated destination point; from one Texaco facility to the designated destination point via another Texaco facility; from a Texaco facility via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of Texaco Environmental Services (TES).

This SOURCE RECORD BILL OF LADING was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Texaco facility described below:

TEXACO #: 124880195  
 Address: 2225 Telegraph Rd.  
 City, State, ZIP: Oakland, CA

Well I.D.	Gals.	Well I.D.	Gals.
/		/	
/		/	
MW-6B		/	
/		/	
MW-6J-1	43	/	
/		/	
/		/	
/		/	
/		/	
/		/	
/		/	
/		/	
/		/	

Total gals. \_\_\_\_\_ added rinse water 5  
 Total Gals. Recovered 48

Job #: 970521-32  
 Date: 5/21/97  
 Time: 1530  
 Signature: \_\_\_\_\_

REC'D AT: BTS  
 Date: 5/21/97  
 Time: 1630  
 Signature: \_\_\_\_\_



**QUARTERLY SUMMARY REPORT**  
Former Texaco/Current Exxon Service Station  
2225 Telegraph Avenue, Oakland, California  
Alameda County  
Second Quarter 1997

**HISTORY OF INVESTIGATIVE AND REMEDIAL ACTIONS**

A preliminary subsurface investigation and a sensitive receptor survey were conducted in May, 1988. Nine shallow monitoring wells (MW-6A through MW-6I) were installed on site and seven soil borings were drilled near the pump islands and underground fuel storage tanks. Two vapor extraction wells were installed in the tank pit backfill, and an additional vapor extraction well (VE-3) was installed on site. Soil boring B-3 was converted to recovery well RW-1. Two of the on-site monitoring wells (MW-6C and MW-6D) were also converted to groundwater recovery wells (RW-3 and RW-2, respectively) when the groundwater treatment system was installed in 1990. The underground fuel storage tanks, lines, and dispensers were replaced in late 1991. RW-3 was destroyed in 1991 and replaced in 1992 with RW-3A. MW-6A was destroyed in 1992 because it was damaged. A soil vapor extraction system was installed in November 1995 and is currently operating (with carbon canisters for abatement).

**WORK PERFORMED DURING THIS QUARTER**

Ground water monitoring and sampling was performed. The vapor extraction system continues to operate.

**CHARACTERIZATION STATUS**

*SOIL:* The extent of petroleum hydrocarbons in soil has been delineated.

*GROUND WATER:* The extent of dissolved hydrocarbons in ground water is partially delineated.

**WATER WELL SURVEY**

A water well survey has not been conducted for the site. The predominant ground water flow direction is to the south-southwest.

**REMEDICATION STATUS**

A vapor extraction system is currently operating at the site.

**WORK TO BE PERFORMED NEXT QUARTER**

Continuation of the quarterly ground water monitoring and sampling program. Continued operation of the vapor extraction system.

**SITE CONTACTS**

Texaco:	Karen Petryna (510) 236-9139
Exxon:	Ms. Marla Guensler (510) 246-8776
Site Contact:	Lam Truong, station dealer (510) 832-4000
Lead Agency:	Dale Klettke (510) 567-6880 (ACDEH)

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