



Customer-Focused Solutions

6-13-00
- agreed to with conditions
at today's meeting

June 12, 2000

Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Program
1131 Harbor Bay Parkway
Alameda, California 94502-6577

Project No. 30-0065-70

ATTN: MR. SCOTT SEERY

SITE: FORMER MOBIL STATION 04-H6J
1024 MAIN STREET
PLEASANTON, CALIFORNIA

RE: REQUEST FOR TERMINATION OF REMEDIATION ACTIVITIES

Dear Mr. Seery:

This letter is a request to terminate vapor extraction remediation activities at the above-referenced site (Figures 1 and 2). TRC-Alton Geoscience has been operating a Vapor Extraction System (VES) at the project site since April 1995. The information presented herein reveals that continued hydrocarbon extraction is no longer technically effective or economical.

The overall performance of the VES is presented in Table 1 and Chart 1. Influent total petroleum hydrocarbon (TPH) concentrations have significantly decreased from 10,480 parts per million by volume (ppmv) at startup to 11.5 ppmv as of June 6, 2000. The individual well vapor influent TPH concentrations from the nine system extraction wells have correspondingly decreased over time (Chart 2). As of June 10, 2000, the maximum TPH concentration from any one well was 10.5 ppmv (Table 2). The dissolved-phase benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations measured in groundwater have also significantly decreased over time (Table 3). The reduction in BTEX concentrations in both soil vapor and groundwater is the result of mass removal primarily via vapor extraction and natural attenuation processes.

The five years of operation of the VES resulted in the processing and discharge of 3,854,430 gallons of groundwater and the removal of approximately 4,347 gallons of hydrocarbons from the subsurface (Table 1). The average hourly rate of hydrocarbon removal from 1995 to 1999 (15,840 hours or 660 days of operation) was 0.27 gallons of hydrocarbons per hour (gal HC/hr). During the year 2000 operations (2,304 hours or 96 days), only 0.0059 gal HC/hr were removed (a total of 12.5 gallons of hydrocarbons).

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Former Mobil Station 04-H6J, Pleasanton, California
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A cost analysis was performed to determine the cost efficiency of the system. The total cost of VES operation and maintenance has been compared to the volume of hydrocarbons recovered for five time periods: 1995, 1996, 1997-8, 1999, and 2000 (up to the end of April). The results are plotted as cost per gallon of hydrocarbons removed and are presented in Charts 3 and 4. These charts demonstrate a significant increase in cost per gallon of hydrocarbon removed over time (i.e., the cost efficiency of the system has significantly declined). The decline in cost efficiency is not related to operating costs, but to the diminished hydrocarbon recovery. The operating costs have not significantly changed over time. Currently, for the year 2000, the approximate hydrocarbon removal cost is \$157 per gallon as compared to an average approximate cost of \$31 per gallon for the period of 1995 to 1999.

Considering the near asymptotic influent vapor-phase hydrocarbon concentrations, the decreased dissolved-phase BTEX concentrations, and the declining cost efficiency of operating the system, we request permission to terminate remedial activities at the site.

If you should have any questions, please call me at (925) 688-2463.

Sincerely,

TRC

C.B.D.

Christopher B. Dennis
Senior Geologist

Tracy L. Walker

Tracy L. Walker, R.G.
Associate



Attachments

- Figure 1: Vicinity Map
- Figure 2: Site Plan
- Table 1: Vapor Extraction System Monitoring Information
- Table 2: Extraction Well TPH Concentrations Over Time
- Table 3: Summary of Groundwater Monitoring and Chemical Analysis

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- Chart 1: Vapor Extraction System Performance: System Influent Hydrocarbon Concentrations Versus Time
- Chart 2: Vapor Extraction System: Influent Well TPH Concentrations Over Time
- Chart 3: Vapor Extraction System Performance: Hydrocarbon Influent Concentrations and Cumulative Hydrocarbons Extracted
- Chart 4: Cost of VES System Operation Per Gallon of Hydrocarbon Recovered

cc: Mr. Darin Rouse, ExxonMobil Engineer (representing Mobil Oil Corporation)
Mr. Chuck Headlee, Regional Water Quality Control Board
Mr. Gary Lee, City of Pleasanton Department of Public Works
Mr. Matt Katen, Alameda County Flood Control and Water Conservation District
Mr. Paul L. Hulme, Pleasanton On Main LLC, Property Owner

p:/projects/exxonmobil/04-h6j/closure/h6jclsr_ltr.doc



1 MILE 3/4 1/2 1/4 0 1 MILE





SCALE 1 : 24,000

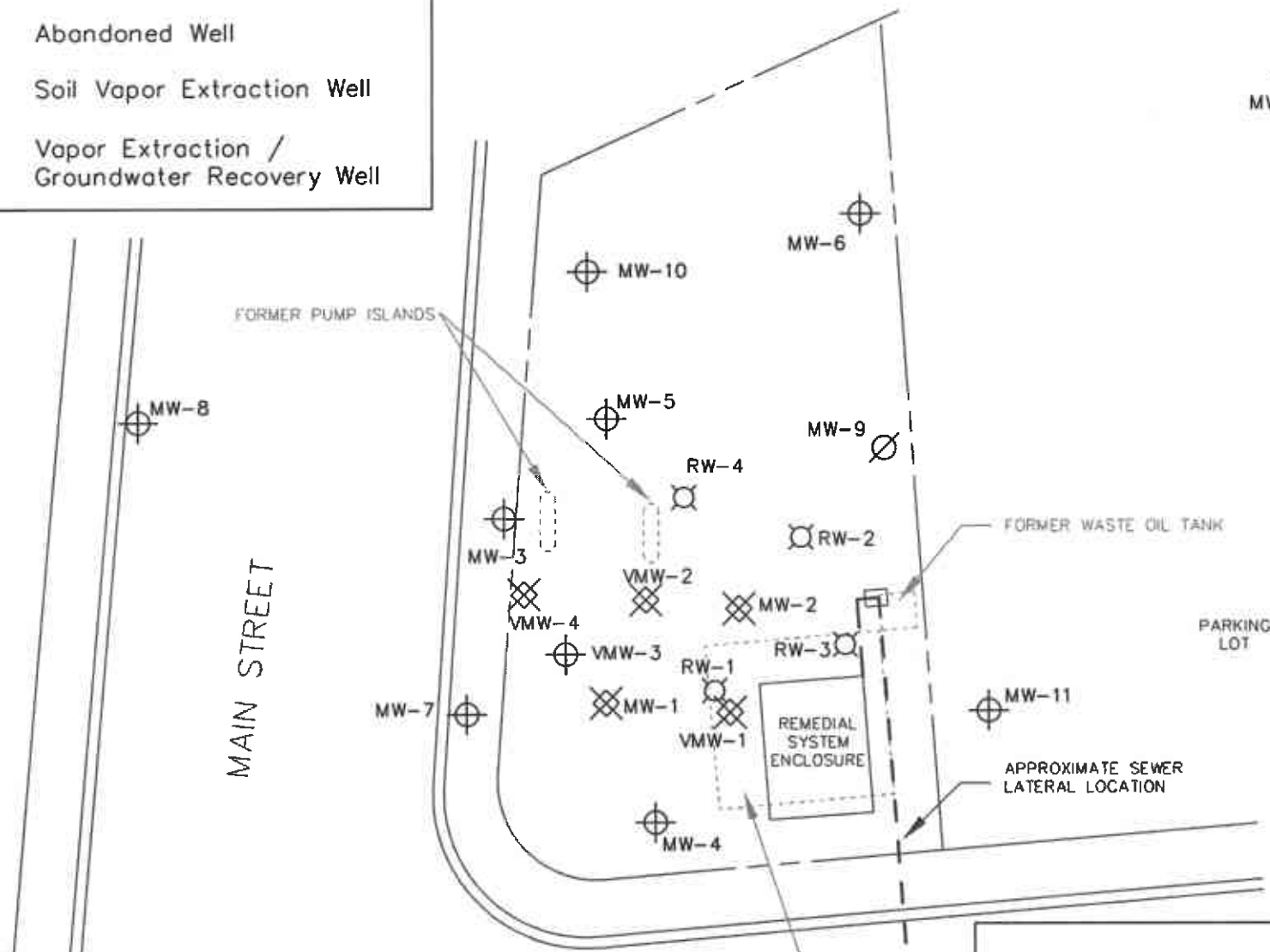


SOURCE:
 United States Geological Survey
 7.5 Minute Topographic Maps:
 Livermore Quadrangle

VICINITY MAP	
Former Mobil Station 04-H6J 1024 Main Street Pleasanton, California	
TRC	FIGURE 1

LEGEND

- MW-10  Groundwater Monitoring Well
- MW-9  Abandoned Well
- VMW-4  Soil Vapor Extraction Well
- RW-3  Vapor Extraction / Groundwater Recovery Well

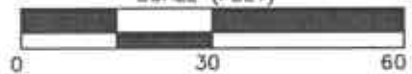


MAIN STREET

STANLEY BOULEVARD

FORMER UNDERGROUND STORAGE TANK CAVITY

SCALE (FEET)



SITE PLAN

Former Mobil Station 04-H6J
1024 Main Street
Pleasanton, California

TRC

FIGURE 2

Table 1
Vapor Extraction System Monitoring Information
Former Mobil Station 04-H6J, Pleasanton

Date (m/d/yy)	Operation Time			INFLUENT						EFFLUENT					RECOVERY DATA			
	Hour Meter Reading (hours)	Operating Time (hours)	Up-Time Per Period (%)	Total Flow Rate* (scfm)	System Vacuum (in. H ₂ O)	Temp. (deg F)	Wellhead TPH-G Conc. (ppmv)	Wellhead + Air Stripper (ppmv)		TPH-G Conc. (ppmv)		Benzene Conc. (ppmv)	Mass Emission TPH-G (lbs/day)	Mass Emission Benzene (lbs/day)	Temp. (deg F)	HC Recovery Per Period (gallons)	Cumulative HC Recovery (gallons)	Destruction Efficiency TPH-G (%)
								Field	Lab	Field	Lab							
4/4/95	11	0	0%	175	57	600	10,480	10,480	11,000	0	<1.2	0.030	0.0809	0.0015	809	0.0	0	100.0
4/12/95	202	191	99%	324	96	601	5,100	5,100		0					850	985.8	985.8	
4/22/95	440	238	99%	314	96	599	2,400	2,400		0					764	756.0	1741.8	
4/26/95	535	95	99%	432	96	597	1,890	1,890	390	0	2.8	<0.016	0.4659	0.0020	710	201.8	1843.6	99.3
5/5/95	601	66	31%	452	95	601	1,800	750		0					885	102.3	2045.9	
5/12/95	768	167	99%	678	100	801	960	460	350	0	<2.3	<0.031	0.6006	0.0060	742	151.6	2197.5	99.3
5/19/95	936	168	100%	678	100	601	1,010	310		0					701	116.4	2313.9	
5/25/95	1080	144	100%	530	100	600	840	210		0					675	60.0	2374.0	
6/1/95	1248	168	100%	535	97	598	870	270		0					683	57.0	2431.0	
6/8/95	1415	167	99%	530	100	599	700	150	280	0	<1.2	<0.016	0.2450	0.0024	658	49.6	2480.6	99.6
6/16/95	1607	192	100%	545	100	600	400	190		0					648	46.6	2527.2	
6/23/95	1664	57	34%	540	98	601	520	180		0					647	15.2	2542.3	
6/28/95	1695	31	26%	545	94	600	820	350		0					641	11.8	2554.2	
7/7/95	1907	212	98%	545	90	601	320	140		0					635	75.2	2629.3	
7/13/95	2055	148	103%	432	88	606	300	150		0					611	27.8	2657.2	
7/18/95	2106	51	43%	471	74	599	650	290	320	0	2.1	0.044	0.3810	0.0059	648	11.6	2668.8	99.3
7/28/95	2300	194	81%	432	84	NA	430	200		0					NA	50.0	2718.8	
8/4/95	2303	3	2%	452	83	NA	690	270		0					NA	0.8	2719.6	
8/11/95	2406	103	31%	589	68	NA	430	250		0					NA	37.0	2756.6	
8/18/95	2440	34	20%	353	66	NA	480	240		0					NA	10.4	2767.1	
8/28/95	2494	54	23%	432	62	600	730	290	370	0	<2.6	<0.016	0.4326	0.0020	679	14.9	2782.0	99.3
9/1/95	2520	26	27%	441	69	629	190	300		0					678	8.9	2790.9	
9/6/95	2524	4	3%	545	78	600	680	420	280	0	<2.3	0.029	0.4828	0.0045	693	1.9	2792.8	99.2
9/14/95	2528	4	2%	354	54	600	670	410		0					657	2.0	2794.7	
9/22/95	2625	97	51%	265	130	600	3,450	380		0					755	31.5	2826.2	
9/29/95	2742	117	70%	334	115	600	3,200	360		0					679	34.4	2860.7	
10/5/95	2771	29	20%	334	115	600	3,100	330		0					682	8.9	2869.5	
10/12/95	2780	9	5%	324	100	600	2,310	300	320	0	<2.3	<0.016	0.2870	0.0015	712	2.5	2872.0	99.3
11/10/95	2798	18	3%	324	100	600	2,310	300		0					712	4.6	2876.7	
11/17/95	2839	41	24%	393	82	600	3,360	390	300	0	<2.3	<0.016	0.3482	0.0018	664	13.5	2890.1	99.2
11/20/95	2910	71	99%	700	88	600	2,100	140		0					601	27.3	2917.4	
11/27/95	3045	135	80%	700	88	587	830	100		0					603	30.1	2947.5	
12/4/95	3213	168	100%	545	88	602	2,200	260	230	0	<2.3	<0.016	0.4828	0.0025	643	50.0	2997.5	99.0
12/14/95	3383	170	71%	700	92	601	1,650	290		0					612	77.3	3074.8	
12/21/95	3551	168	100%	700	94	600	1,150	150		0					608	68.7	3143.5	
12/29/95	3656	105	55%	700	90	598	890	140		0					605	28.3	3171.8	
1/5/96	3826	170	101%	892	91	597	630	220		0					600	56.6	3228.4	
1/8/96	3897	71	99%	361	105	600	1,120	340	210	0	<2.3	<0.016	0.3198	0.0017	638	27.8	3256.2	98.9
1/18/96	4132	235	98%	393	107	600	950	280		0					643	72.9	3329.1	
2/2/96	4484	352	98%	353	105	600	720	220		0					630	87.2	3416.2	
2/7/96	4602	118	98%	353	105	599	560	120	130	0	<2.3	0.024	0.3127	0.0016	613	18.8	3435.0	98.2
2/12/96	4724	122	102%	353	105	600	630	160		0					602	16.0	3451.1	
2/22/96	4965	241	100%	353	107	601	330	80		0					602	27.1	3478.2	
2/29/96	5136	171	102%	353	105	596	450	110		0					601	15.2	3493.4	
3/6/96	5281	145	101%	545	105	595	90	10	56	0	<2.3	<0.016	0.4828	0.0025	600	10.4	3503.8	95.9
3/22/96	5662	381	99%	545	105	590	70	30		0					602	11.0	3514.8	
4/8/96	5679	17	4%	545	90	577	190	90		0					600	1.5	3516.3	
5/2/96	5942	263	46%	160	96	600	140	30		0					607	14.8	3531.0	
5/14/96	6159	217	75%	272	95	581	130	60	180	0	18	0.038	0.2410	0.0012	602	5.6	3536.6	98.7
5/27/96	6430	271	87%	254	90	598	140	50		0					601	10.4	3547.1	

Table 1
Vapor Extraction System Monitoring Information
Former Mobil Station 04-H6J, Pleasanton

Date (m/d/yy)	Operation Time			INFLUENT						EFFLUENT					RECOVERY DATA			
	Hour Meter Reading	Operating Time	Up-Time Per Period	Total Flow Rate*	System Vacuum	Temp.	Wellhead TPH-G Conc.	Wellhead + Air Stripper		TPH-G Conc.		Benzene Conc.	Mass Emission TPH-G	Mass Emission Benzene	Temp.	HC Recovery Per Period	Cumulative HC Recovery	Destruction Efficiency
								Field	Lab	Field	Lab	Lab						
	(hours)	(hours)	(%)	(scfm)	(in. H ₂ O)	(deg F)	(ppmv)	(ppmv)		(ppmv)		(lbs/day)	(lbs/day)	(deg F)	(gallons)	(gallons)	(%)	
6/14/96	6508	78	18%	286	90	592	220	110	130	0	5.4	0.019	0.2534	0.0013	604	4.5	3551.5	98.2
6/25/96	6521	13	5%	282	90	601	170	130		0					605	1.2	3552.7	
7/8/96	6598	77	25%	147	90	599	140	110	166	0	<2.4	<0.016	0.1302	0.0007	601	5.3	3558.0	98.6
7/25/96	6604	6	1%	221	92	599	210	50		0					615	0.2	3558.2	
8/6/96	6607	3	1%	259	90	600	240	230		5					621	0.3	3558.5	
8/12/96	6613	6	4%	241	92	600	250	190	176	20	<2.4	<0.016	0.2135	0.0011	621	0.8	3559.3	98.7
8/27/96	6617	4	1%	260	88	599	230	220		0					616	0.5	3559.8	
12/6/96	6818	201	8%	331	60	639	350	100	83	0	<2.4	<0.016	0.2932	0.0015	651	25.2	3585.1	97.2
12/12/96	6906	88	61%	331	60	632	300	120		0					649	8.5	3593.6	
12/23/96	7176	270	102%	331	60	633	300	70		0					649	22.5	3616.1	
1/3/97	7321	145	55%	331	73	601	200	130		0					601	12.7	3628.9	
1/7/97	7420	99	103%	331	72	601	120	90		0					601	9.6	3638.5	
1/15/97	7611	191	99%	285	85	599	100	30	32	0	<2.4	<0.016	0.2525	0.0013	599	9.4	3647.8	92.8
1/24/97	7739	128	59%	299	80	598	110	10		0					598	2.0	3649.8	
2/7/97	7875	136	40%	285	90	600	100	30		0					600	2.1	3651.9	
2/19/97	8148	273	95%	273	85	600	130	30		0					600	6.1	3658.0	
3/4/97	8457	309	99%	273	85	602	130	30		0					602	6.7	3664.7	
3/12/97	8565	108	56%	273	85	600	130	30		0					600	2.3	3667.1	
5/2/97	8565	0	0%	299	87	600	180	40		0					602	0.0	3667.1	
5/7/97	8598	33	28%	299	87	600	150	30		0					604	0.9	3668.0	
5/14/97	8600	2	1%	299	85	600	180	40		0					600	0.1	3668.0	
7/29/97	8603	3	0%	282	88	601	890	250	190	0	100	1	0.2498	0.0013	602	0.3	3668.4	98.8
10/1/97	8603	0	0%	0	0	0	0	0		0					0	0.0	3668.4	
10/20/97	NA	24	5%	363	48	NA	600	470		0					NA	2.7	3671.1	100.0
10/21/97	NA	24	100%	358	52	NA	230	210		0					NA	7.8	3678.9	100.0
10/22/97	NA	24	100%	366	45	NA	250	170		0					NA	4.4	3683.3	100.0
10/23/97	NA	24	100%	367	46	NA	260	240		0					NA	4.8	3688.1	100.0
10/24/97	NA	24	100%	385	50	NA	220	170		0					NA	4.9	3693.0	100.0
10/31/97	NA	168	100%	369	48	NA	150	70		0					NA	20.2	3713.2	100.0
11/11/97	NA	264	100%	260	87	NA	620	270		0					NA	37.5	3750.6	100.0
11/26/97	NA	360	100%	207	100	NA	1,950	360		0					NA	70.3	3821.0	100.0
12/4/97	NA	216	113%	203	100	NA	1,180	230		0					NA	34.7	3855.6	100.0
12/11/97	NA	168	100%	200	100	NA	900	180		0					NA	18.4	3874.1	100.0
12/15/97	NA	96	100%	172	100	NA	850	150		0					NA	7.8	3881.9	100.0
12/26/97	NA	264	100%	170	100	NA	850	170		0					NA	19.2	3901.1	100.0
12/31/97	NA	120	100%	170	100	NA	840	190		0					NA	9.8	3910.8	100.0
1/5/98	NA	120	100%	164	100	NA	1,125	270		0					NA	12.2	3923.1	100.0
1/16/98	NA	264	100%	177	100	NA	700	160		0					NA	25.7	3948.8	100.0
1/22/98	NA	144	100%	190	100	NA	610	120		0					NA	9.8	3958.6	100.0
1/30/98	NA	192	100%	186	100	NA	530	110		0					NA	11.0	3969.6	100.0
2/5/98	NA	144	100%	163	100	NA	300	80		0					NA	6.3	3975.9	100.0
2/9/98	NA	96	100%	156	100	NA	150	50		0					NA	2.6	3978.6	100.0
2/20/98	NA	264	100%	148	100	NA	10	10		0					NA	3.2	3981.8	100.0
2/27/98	NA	168	100%	153	100	NA	60	10		0					NA	0.7	3982.5	100.0
3/5/98	NA	144	100%	146	100	NA	150	60		0					NA	2.0	3984.5	100.0
3/12/98	NA	168	100%	145	100	NA	50	0		0					NA	1.9	3986.4	100.0
3/20/98	NA	192	100%	151	100	NA	100	10		0					NA	0.4	3986.8	100.0
3/27/98	NA	168	100%	150	100	NA	120	10		0					NA	0.7	3987.5	100.0
4/1/98	NA	120	100%	143	100	NA	130	20		0					NA	0.7	3988.2	100.0
4/6/98	NA	120	100%	NA	100	NA	180	30		0					NA	0.6	3988.7	100.0

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	Hour Meter Reading (hours)	Operating Time (hours)	Up-Time Per Period (%)	Total Flow Rate* (scfm)	System Vacuum (in. H ₂ O)	Temp. (deg F)	Wellhead TPH-G Conc. (ppmv)	Wellhead + Air Stripper		TPH-G Conc.		Benzene Conc.	Mass Emission TPH-G (lbs/day)	Mass Emission Benzene (lbs/day)	Temp. (deg F)	HC Recovery Per Period (gallons)	Cumulative HC Recovery (gallons)	Destruction Efficiency TPH-G (%)
								Field	Lab	Field	Lab	Lab						
4/16/98	NA	240	100%	155	100	NA	170	30		0				NA	1.5	3990.2	100.0	
4/22/98	NA	144	100%	154	100	NA	30	10		0				NA	1.2	3991.4	100.0	
4/30/98	NA	192	100%	149	100	NA	50	10		0				NA	0.8	3992.2	100.0	
5/29/98	NA	0	0%	NA	NA	NA	NA	20		0				NA	0.0	3992.2	100.0	
6/4/98	NA	0	0%	NA	NA	NA	50	30		0				NA	0.0	3992.2	100.0	
6/11/98	NA	168	100%	317	NA	NA	20	20		0				NA	1.8	3993.9	100.0	
6/18/98	NA	168	100%	227	NA	NA	130	20		0				NA	2.4	3996.4	100.0	
7/7/98	NA	0	0%	306	NA	NA	100	20		0				NA	0.0	3996.4	100.0	
7/13/98	NA	144	100%	225	NA	NA	200	50		0				NA	3.8	3999.9	100.0	
1/6/99	NA	0	0%	408	NA	NA	NA	NA		0				NA	0.0	3999.9	100.0	
1/12/99	NA	144	100%	395	NA	NA	120	700		0				NA	53.7	4053.6	100.0	
1/15/99	NA	72	100%	382	NA	NA	120	70		0				NA	28.6	4082.2	100.0	
1/22/99	NA	0	0%	384	NA	NA	110	150		0				NA	0.0	4082.2	100.0	
1/27/99	NA	120	100%	306	NA	NA	NA	70		0				NA	12.1	4094.3	100.0	
2/1/99	NA	0	0%	NA	NA	NA	NA	80		0				NA	0.0	4094.3	100.0	
2/4/99	NA	72	100%	317	NA	NA	110	60		0				NA	2.1	4096.5	100.0	
2/24/99	NA	0	0%	263	NA	NA	650	230		0				NA	0.0	4096.5	100.0	
3/3/99	NA	168	100%	281	NA	NA	230	80		0				NA	18.8	4115.3	100.0	
3/23/99	NA	0	0%	278	NA	NA	470	130		0				NA	0.0	4115.3	100.0	
4/5/99	NA	312	100%	254	NA	NA	130	70		0				NA	22.0	4137.3	100.0	
6/1/99	NA	0	0%	261	NA	NA	NA	190		0				NA	0.0	4137.3	100.0	
6/29/99	NA	0	0%	224	NA	NA	720	480		0				NA	0.0	4137.3	100.0	
7/12/99	NA	312	100%	176	100	NA	820	80		0				NA	46.4	4183.7	100.0	
9/29/99	NA	0	0%	NA	NA	NA	390	200		0				NA	0.0	4183.7	100.0	
10/14/99	NA	360	100%	256	100	NA	400	150		0				NA	21.4	4205.1	100.0	
10/18/99	NA	96	100%	356	100	NA	610	450		0				NA	23.4	4228.5	100.0	
11/6/99	NA	456	100%	360	100	NA	40	40		0				NA	106.2	4334.7	100.0	
11/15/99	NA	0	0%	NA	170	NA	NA	NA		0				NA	0.0	4334.7	100.0	
12/22/99	NA	0	0%	NA	NA	NA	NA	NA		NA				NA	0.0	4334.7	100.0	
3/6/00	NA	0	0%	183	100	65.9	9	14.5		0				61.5	0.0	4334.7	100.0	
3/24/00	NA	432	100%	144	100	64.5	9	14		0				59.7	2.7	4337.4	100.0	
4/14/00	NA	504	100%	109	100	63.2	12	18		0				63.6	2.7	4340.1	100.0	
4/27/00	NA	312	100%	201	100	64.6	8	4		0				64.1	1.4	4341.5	100.0	
5/10/00	NA	312	100%	227	100	69.1	6.5	2.5		0				67.3	0.6	4342.1	100.0	
5/25/00	NA	360	100%	250	100	82.8	7	18		0				78.4	2.3	4344.4	100.0	
6/10/00	NA	384	100%	255	100	NA	5.5	11.5		0				NA	3.8	4348.2	100.0	
Total to Date =		18,144	42%	= Average % Operation														

NOTES:

ppmv = parts per million volume

scfm = standard cubic feet per minute

HC Recovery Per Period = Hydrocarbons recovered based on field data and an average hydrocarbon density of 6.26 lbs. per gallon.

HC Destruction Efficiency = Hydrocarbon destruction efficiency based on lab data.

Total Well TPH-g Conc. = Concentration of total petroleum hydrocarbons as gasoline of soil vapor extracted from all open wells.

* = For 3/6/00 through 5/10/00, total flow rate (cubic feet per minute) calculated from velocity measurement (feet per minute) in 4"-diameter pipe using anemometer.

deg F = degrees Fahrenheit

lbs/day = pounds per day

NA = not available or applicable

Table 2
Extraction Well TPH Concentrations Over Time
Former Mobil Station 04-H6J, Pleasanton, California

Date	System Status	Wellhead TPH Concentration (ppmv)								
		RW-1	RW-2	RW-3	RW-4	MW-1	MW-2	VMW-1	VMW-2	VMW-4
04/04/95	ON	1060	13000	2690	540	6260	940	13000	8890	10510
04/12/95	ON	20	6070	430	90	1310	110	10440	2250	5710
04/22/95	ON	20	5010	370	110	970	80	9890	2070	3210
04/26/95	ON	5600	2310	230	130	1130	4970	3670	1960	1830
05/05/95	ON	5400	2400	240	130	1140	5100	3710	1940	1970
05/12/95	ON	3900	2510	130	150	920	11400	1850	2280	1010
05/19/95	ON	5100	1210	40	60	660	5700	1270	2140	200
05/25/95	ON	6660	1450	90	80	300	4720	1220	1840	310
06/01/95	ON	8890	1390	70	70	330	4390	1100	1630	220
06/08/95	ON	7090	1810	80	90	970	3860	1000	1430	290
06/16/95	ON	5020	4680	80	100	610	4680	500	1120	130
06/23/95	ON	5170	3590	70	70	390	4170	600	1310	120
06/28/95	ON	6100	3350	140	430	5060	5750	1850	2010	170
07/07/95	ON	4200	1260	80	100	2640	2030	640	1220	100
07/13/95	ON	5580	970	10	240	1900	4340	550	720	20
07/18/95	ON	5260	1800	50	330	4570	3430	1710	1520	100
08/11/95	ON	1640	1580	50	110	3490	10660	1820	430	70
09/01/95	ON	1910	3870	100	180	3410	10300	2680	400	80
09/06/95	ON	2380	4240	50	200	4790	4830	3120	490	120
09/14/95	ON	--	--	--	--	--	--	--	--	--
09/22/95	ON	2490	3090	20	150	4530	1650	3390	460	70
09/29/95	ON	--	--	--	--	--	--	--	--	--
10/05/95	ON	--	--	--	--	--	--	--	--	--
10/12/95	ON	2300	1980	--	--	2890	2810	2440	--	--
11/17/95	ON	2580	4640	--	--	2330	2050	2990	--	--
11/20/95	ON	2120	2220	--	--	1210	8160	1600	--	--
11/27/95	ON	5210	1470	--	--	1000	7900	170	--	--
12/04/95	ON	13320	1150	--	--	1380	12190	310	--	--
12/14/95	ON	--	1520	--	--	1170	1020	--	--	--
12/21/95	ON	--	1050	--	--	920	--	--	--	--
12/29/95	ON	--	--	--	--	760	--	--	--	--
01/05/96	ON	1810	1080	--	--	690	890	1170	--	--
01/09/96	ON	7150	850	--	--	610	700	290	--	--
01/18/96	ON	1120	760	--	--	510	--	600	--	--
01/25/96	ON	2540	630	--	--	610	800	750	--	--
02/02/96	ON	--	615	--	--	590	--	480	--	--
02/07/96	ON	--	370	--	--	820	--	400	--	--
02/12/96	ON	1600	480	--	--	640	690	450	--	--
02/22/96	ON	--	380	--	--	--	--	300	--	--
02/27/96	ON	--	--	--	--	--	--	--	--	--
03/06/96	ON	--	70	--	--	--	--	160	--	--
03/22/96	ON	590	60	--	--	--	640	120	--	--
04/08/96	ON	2270	200	--	--	200	1650	450	--	--
05/02/96	ON	2600	240	30	120	240	200	600	330	100
05/14/96	ON	1230	--	--	--	--	--	510	170	--
05/28/96	ON	260	--	--	--	--	--	580	170	--
06/14/96	ON	1090	--	--	--	--	--	1460	230	--
07/08/96	ON	1050	--	--	--	--	--	1800	200	--
07/23/96	ON	650	--	--	--	--	--	2760	210	--
08/06/96	ON	1430	--	--	--	--	--	3200	240	--

Table 2
Extraction Well TPH Concentrations Over Time
Former Mobil Station 04-H6J, Pleasanton, California

Date	System Status	Wellhead TPH Concentration (ppmv)								
		RW-1	RW-2	RW-3	RW-4	MW-1	MW-2	VMW-1	VMW-2	VMW-4
08/12/96	ON	1250	--	--	--	--	--	3430	220	--
08/27/96	ON	1360	--	--	--	--	--	3700	230	--
12/03/96	ON	7800	--	--	--	--	--	5700	780	--
12/06/96	ON	--	--	--	--	--	--	--	70	--
12/12/96	ON	--	--	--	--	--	--	--	--	--
12/23/96	ON	9150	30	30	40	20	370	170	170	50
01/03/97	ON	5700	--	--	--	--	3000	--	110	--
01/07/97	ON	1600	--	--	--	--	530	200	120	--
01/15/97	ON	2300	--	--	--	--	650	250	110	--
01/24/97	ON	1000	--	--	--	--	180	200	80	--
02/07/97	ON	180	10	--	--	10	140	60	150	--
02/19/97	ON	500	--	--	--	--	70	400	80	--
05/02/97	ON	650	--	--	--	--	110	490	70	--
10/20/97	ON	10890	740	30	20	930	880	930	140	80
10/21/97	ON	6450	210	30	--	330	510	460	60	90
10/22/97	ON	6250	180	20	10	310	3820	300	40	70
10/23/97	ON	5580	170	40	--	300	3320	130	40	40
10/24/97	ON	4060	150	10	--	330	2360	280	20	--
10/31/97	ON	6500	230	--	--	270	6150	580	--	--
10/31/97	ON	6500	350	--	--	390	1120	--	--	--
11/11/97	ON	4750	220	--	--	180	1600	140	--	--
11/21/97	ON	4660	220	--	--	220	1750	150	--	--
11/21/97	ON	6000	290	--	--	--	2200	--	--	--
11/25/97	ON	5100	200	--	--	--	1480	--	--	--
12/04/97	ON	5300	170	--	--	--	1720	--	--	--
12/11/97	ON	2280	190	--	--	--	920	--	--	--
12/15/97	ON	3080	180	--	--	--	860	--	--	--
12/26/97	ON	3200	170	--	--	--	860	--	--	--
12/31/97	ON	3080	170	--	--	--	840	--	--	--
12/31/97	ON	5320	160	--	--	--	2240	--	--	--
01/05/98	ON	4700	140	--	--	--	2000	--	--	--
01/16/98	ON	1160	120	--	--	--	370	--	--	--
01/22/98	ON	1710	120	--	--	--	330	--	--	--
02/05/98	ON	1200	130	--	--	--	330	--	--	--
02/09/98	ON	270	40	--	--	--	90	--	--	--
02/20/98	ON	10	20	--	--	--	10	--	--	--
02/27/98	ON	240	70	--	--	--	190	--	--	--
03/12/98	ON	180	20	--	--	--	100	--	--	--
04/01/98	ON	--	50	--	--	--	--	--	--	--
04/16/98	ON	--	70	--	--	--	--	--	--	--
04/22/98	ON	300	30	--	--	--	--	--	--	--
05/29/98	OFF	--	--	--	--	--	--	--	--	--
06/04/98	ON	390	40	20	20	100	890	200	60	50
06/11/98	ON	340	40	10	10	70	40	10	20	10
06/18/98	OFF	420	70	--	--	50	60	20	20	20
07/07/98	ON	360	60	20	20	90	620	--	--	--
07/13/98	OFF	440	60	--	--	--	130	--	--	--
01/12/99	ON	1990	70	10	10	270	20230	270	10	--
01/15/99	OFF	2020	60	--	--	260	1980	250	--	--
01/22/99	OFF	5150	110	--	--	1010	5760	250	--	10

Table 2
Extraction Well TPH Concentrations Over Time
Former Mobil Station 04-H6J, Pleasanton, California

Date	System Status	Wellhead TPH Concentration (ppmv)								
		RW-1	RW-2	RW-3	RW-4	MW-1	MW-2	VMW-1	VMW-2	VMW-4
01/27/99	OFF	650	--	--	--	80	340	260	--	--
02/01/99	OFF	2180	10	--	--	60	340	--	--	--
02/04/99	OFF	1540	10	--	--	60	260	150	--	--
02/24/99	ON	2740	20	--	--	300	1520	270	20	10
03/03/99	OFF	600	--	--	--	60	90	140	--	--
03/23/99	ON	1610	--	--	--	100	470	220	10	10
04/05/99	OFF	540	--	--	--	70	80	120	--	--
06/01/99	OFF	810	20	--	--	80	340	230	20	10
06/29/99	OFF	5220	--	--	--	--	2640	50	--	--
07/12/99	OFF	1200	--	--	--	--	410	--	--	--
09/29/99	ON	4370	--	--	--	90	540	--	--	--
10/14/99	ON	1750	--	--	--	20	80	--	--	--
10/18/99	OFF	5080	--	--	--	320	610	--	--	--
11/06/99	OFF	1390	--	--	--	10	450	--	--	--
11/15/99	OFF	1260	--	--	--	80	340	--	--	--
03/09/00	OFF	--	--	--	--	--	--	--	--	--
03/24/00	ON	--	--	--	--	--	--	--	--	--
04/14/00	ON	--	--	--	--	--	--	--	--	--
04/27/00	ON	16	--	--	--	6	12	--	--	--
05/10/00	ON	14.5	0	0	0	5	9.5	0	0	0
06/10/00	OFF	10.5	0	0	0	3	6.5	0	0	0

Notes:

- ppmv = parts per million by volume
- TPH = total petroleum hydrocarbons
- = not measured

TABLE 3
Summary of Groundwater Monitoring and Chemical Analysis
Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater		Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MtBE 8020 (ug/L)	MtBE 8260 (ug/L)	Dissolved Oxygen (mg/L)			
					Elevation (feet)	TPH-g (ug/L)						TPH-d (ug/L)	Benzene (ug/L)	Toluene (ug/L)
MW-1	04/12/90	348.03	0.00	43.57	304.46	3,600	—	73	13	3	180	—	—	—
MW-1	10/18/90	348.03	0.00	43.18	304.85	5,000	ND	700	360	170	480	—	—	—
MW-1	08/06/91	348.03	0.00	38.65	309.38	2,600	—	310	340	110	340	—	—	—
MW-1	01/08/92	348.03	0.00	38.68	309.35	2,400	—	270	370	18	340	—	—	—
MW-1	04/30/92	348.03	0.00	39.93	308.10	1,300	—	150	120	12	160	—	—	—
MW-1	07/31/92	348.03	0.00	43.05	304.98	ND	—	ND	ND	ND	ND	—	—	—
MW-1	10/27/92	348.03	0.00	42.86	305.17	2,700	—	320	310	84	310	—	—	—
MW-1	01/22/93	348.03	0.00	34.88	313.15	2,800	—	190	340	87	320	—	—	—
MW-1	04/05/93	348.03	0.00	33.71	314.32	6,000	—	410	460	51	500	—	—	—
MW-1	07/06/93	348.03	0.00	35.46	312.57	2,200	—	140	240	32	180	—	—	—
MW-1	11/30/93	348.03	0.00	37.81	310.22	450	—	68	34	ND	48	—	—	—
MW-1	01/27/94	348.03	0.00	42.10	305.93	1,000	—	270	330	44	190	—	—	—
MW-1	04/25/94	348.03	0.00	40.33	307.70	—	—	—	—	—	—	—	—	—
MW-1	04/26/94	348.03	—	—	—	3,500	—	310	370	22	320	—	—	—
MW-1	07/08/94	348.03	0.00	41.39	306.64	640	—	120	87	15	43	—	—	—
MW-1	10/05/94	348.03	0.00	42.19	305.84	970	—	110	140	21	90	—	—	—
MW-1	02/21/95	348.03	0.00	34.73	313.30	3,500	—	200	270	24	100	—	—	—
MW-1	05/03/95	348.03	0.00	34.67	313.36	160	—	7.8	12	4.5	20	—	—	—
MW-1	08/04/95	348.03	0.00	37.00	311.03	1,900	—	99	330	40	570	10	—	—
MW-1	11/10/95	348.03	0.00	39.66	308.37	610	—	150	56	22	89	—	—	—
MW-1	02/12/96	348.03	0.00	36.19	311.84	470	—	3.0	37	7.8	140	1.3	—	—
MW-1	05/17/96	348.03	0.00	35.82	312.21	ND	—	ND	ND	ND	ND	ND	—	—
MW-1	08/12/96	348.03	0.00	38.44	309.59	ND	—	ND	ND	ND	ND	ND	—	—
MW-1	11/08/96	348.03	0.00	40.07	307.96	ND	—	ND	ND	ND	ND	ND	—	—
MW-1	02/12/97	348.03	0.00	34.27	313.76	—	—	—	—	—	—	—	—	—
MW-1†	03/17/97	348.03	0.00	37.07	310.96	ND	—	ND	ND	ND	ND	ND	—	—
MW-1†	05/13/97	348.03	0.00	37.76	310.27	ND	—	ND	ND	ND	ND	ND	—	—
MW-1†	08/12/97	348.03	0.00	40.88	307.35	ND	—	ND	ND	ND	ND	ND	—	—
MW-1†	10/31/97	348.03	0.00	40.90	307.13	740	—	17	62	7.9	150	ND	—	—
MW-1†	01/21/98	348.03	0.00	41.05	306.98	ND	—	ND	ND	ND	ND	ND	—	—
MW-1†	04/24/98	348.03	0.00	36.71	311.32	ND	—	ND	ND	ND	ND	ND	—	4.67
MW-1†	07/20/98	348.03	0.00	39.38	308.65	ND	—	ND	ND	ND	ND	ND	—	1.43
MW-1†	10/21/98	348.03	0.00	42.31	305.72	ND	—	0.3	ND	ND	ND	ND	—	2.19
MW-1†	02/22/99	348.03	0.00	42.70	305.33	840	—	40	17	5.4	94	ND	—	2.17
MW-1†	05/27/99	348.03	0.00	41.51	306.52	ND	—	ND	ND	ND	ND	ND	—	2.03
MW-1†	09/16/99	348.03	0.00	43.56	304.47	ND	—	ND	ND	ND	ND	ND	—	0.89
MW-1†	11/15/99	348.03	0.00	43.87	304.16	ND	—	ND	ND	ND	ND	ND	—	4.97
MW-1†	03/02/00	348.03	0.00	40.88	307.15	<50	—	<0.30	<0.30	<0.30	<0.60	<10	—	4.17
MW-2	04/12/90	348.45	0.00	44.14	304.31	64,000	—	5,500	7,600	1,900	7,800	—	—	—
MW-2	10/18/90	348.45	0.00	43.18	305.27	83,000	10,000	6,800	9,100	2,400	11,000	—	—	—
MW-2	08/06/91	348.45	0.00	39.19	309.26	160,000	—	16,000	25,000	4,300	19,000	—	—	—
MW-2	01/08/92	348.45	0.02	39.40	309.07	—	—	—	—	—	—	—	—	—
MW-2	04/30/92	348.45	0.00	40.50	307.95	71,000	—	9,200	19,000	3,700	15,000	—	—	—
MW-2	07/31/92	348.45	0.15	43.64	304.92	—	—	—	—	—	—	—	—	—
MW-2	10/27/92	348.45	Trace	43.53	304.92	—	—	—	—	—	—	—	—	—
MW-2	01/22/93	348.45	Trace	35.55	312.90	—	—	—	—	—	—	—	—	—
MW-2	04/05/93	348.45	Trace	34.41	314.04	—	—	—	—	—	—	—	—	—
MW-2	07/06/93	348.45	Trace	35.98	312.47	—	—	—	—	—	—	—	—	—
MW-2	11/30/93	348.45	0.48	38.78	310.03	—	—	—	—	—	—	—	—	—
MW-2	01/27/94	348.45	0.01	42.50	305.96	—	—	—	—	—	—	—	—	—
MW-2	04/25/94	348.45	Trace	40.32	308.13	—	—	—	—	—	—	—	—	—
MW-2	07/08/94	348.45	Trace	42.46	305.99	—	—	—	—	—	—	—	—	—
MW-2	10/05/94	348.45	Trace	42.78	305.67	—	—	—	—	—	—	—	—	—
MW-2	02/21/95	348.45	0.12	34.88	313.66	—	—	—	—	—	—	—	—	—
MW-2	05/03/95	348.45	0.62	35.30	313.62	—	—	—	—	—	—	—	—	—
MW-2	08/04/95	348.45	0.20	37.21	311.39	—	—	—	—	—	—	—	—	—
MW-2	11/10/95	348.45	0.24	39.87	308.76	—	—	—	—	—	—	—	—	—
MW-2	02/12/96	348.45	Trace	36.16	312.29	—	—	—	—	—	—	—	—	—
MW-2	05/17/96	348.45	0.00	35.95	312.50	57,000	—	950	3,000	940	6,500	ND	—	—
MW-2	08/12/96	348.45	0.00	38.45	310.00	86,000	—	18,000	16,000	1,700	10,000	ND	—	—
MW-2	11/08/96	348.45	0.01	40.27	308.19	—	—	—	—	—	—	—	—	—
MW-2	02/12/97	348.45	0.00	34.37	314.08	—	—	—	—	—	—	—	—	—
MW-2**	03/17/97	348.45	—	—	—	—	—	—	—	—	—	—	—	—
MW-2†	05/13/97	348.45	0.00	37.74	310.71	87,000	—	12,000	14,000	1,300	8,100	ND	—	—
MW-2	08/12/97	348.45	0.04	40.73	307.75	—	—	—	—	—	—	—	—	—
MW-2†	10/31/97	348.45	0.00	41.12	307.33	11,000	—	320	450	300	760	280	—	—
MW-2†	01/21/98	348.45	0.00	40.75	307.70	27,000	—	300	750	180	2,500	ND	ND	—
MW-2†	04/24/98	348.45	0.00	36.48	311.97	11,000	—	37	110	110	1,300	72	—	4.40
MW-2†	07/20/98	348.45	0.00	39.38	309.07	23,000	—	3,200	2,500	510	1,800	ND	—	0.58
MW-2	10/21/98	348.45	—	Dry	—	—	—	—	—	—	—	—	—	—

TABLE 3
Summary of Groundwater Monitoring and Chemical Analysis
Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater		Ethyl- benzene (ug/L)	Total Xylenes (ug/L)	MtBE 8020 (ug/L)	MtBE 8260 (ug/L)	Dissolved Oxygen (mg/L)			
					Elevation (feet)	TPH-g (ug/L)						TPH-d (ug/L)	Benzene (ug/L)	Toluene (ug/L)
MW-2†	02/22/99	348.45	0.00	41.26	307.19	14,000	—	660	370	250	1,000	ND	—	3.16
MW-2†	05/27/99	348.45	0.00	41.57	306.88	12,000	—	930	460	350	1,300	ND	ND	2.86
MW-2†	09/16/99	348.45	0.00	43.61	304.84	13,000	—	220	100	300	300	99	—	0.26
MW-2†	11/15/99	348.45	0.00	43.71	304.74	8,800	—	ND<100	ND<50	86	140	49	ND<5	2.82
MW-2†	03/02/00	348.45	0.00	40.90	307.55	11,000	—	250	180	220	1,200	<50	—	1.60
MW-3	04/12/90	347.97	0.00	23.18	324.79	2,100	—	32	56	31	170	—	—	—
MW-3	10/18/90	347.97	0.00	14.28	333.69	110	ND	3	3	1	5	—	—	—
MW-3	08/06/91	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	01/08/92	347.97	0.00	32.36	315.61	680	—	8.9	26	8.5	72	—	—	—
MW-3	04/30/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	07/31/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	10/27/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	01/22/93	347.97	0.00	27.30	320.67	2,600	—	240	300	170	440	—	—	—
MW-3	04/05/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	07/06/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	11/30/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	01/27/94	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	04/25/94	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	07/08/94	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	02/21/95	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	05/03/95	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	08/04/95	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	11/10/95	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	02/12/96	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	05/17/96	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	08/12/96	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	11/08/96	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3	02/12/97	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-3†	03/17/97	347.97	0.00	22.39	325.58	ND	—	ND	ND	ND	ND	ND	—	—
MW-3†	05/13/97	347.97	0.00	22.18	325.79	ND	—	ND	ND	ND	ND	ND	—	—
MW-3†	08/12/97	347.97	0.00	18.56	329.41	ND	—	ND	ND	ND	ND	ND	—	—
MW-3	10/31/97	347.97	0.00	17.81	330.16	—	—	—	—	—	—	—	—	—
MW-3	01/21/98	347.97	0.00	18.81	329.16	—	—	—	—	—	—	—	—	—
MW-3	04/24/98	347.97	0.00	16.81	331.16	—	—	—	—	—	—	—	—	1.47
MW-3	07/20/98	347.97	0.00	18.00	329.97	—	—	—	—	—	—	—	—	2.76
MW-3	10/21/98	347.97	0.00	19.37	328.60	—	—	—	—	—	—	—	—	2.30
MW-3	02/22/99	347.97	0.00	19.82	328.15	—	—	—	—	—	—	—	—	2.42
MW-3	05/27/99	347.97	0.00	18.34	329.63	—	—	—	—	—	—	—	—	1.16
MW-3	09/16/99	347.97	0.00	18.53	329.44	—	—	—	—	—	—	—	—	0.78
MW-3	11/15/99	347.97	0.00	20.40	327.57	—	—	—	—	—	—	—	—	1.32
MW-3	03/02/00	347.97	0.00	18.02	329.95	—	—	—	—	—	—	—	—	1.07
MW-4	10/18/90	348.07	0.00	43.16	304.91	9,600	2,000	180	500	200	1,200	—	—	—
MW-4	08/06/91	348.07	0.00	38.65	309.42	8,600	—	320	420	220	650	—	—	—
MW-4	01/08/92	348.07	0.00	38.65	309.42	3,400	—	600	880	220	1,100	—	—	—
MW-4	04/30/92	348.07	0.00	39.88	308.19	7,200	—	650	1,200	210	1,200	—	—	—
MW-4	07/31/92	348.07	0.00	43.07	305.00	3,800	—	320	340	120	360	—	—	—
MW-4	10/27/92	348.07	0.00	42.78	305.29	9,000	—	440	750	190	900	—	—	—
MW-4	01/22/93	348.07	0.00	34.76	313.31	12,000	—	540	1,200	320	1,900	—	—	—
MW-4	04/05/93	348.07	0.00	33.61	314.46	1,100	—	34	18	12	31	—	—	—
MW-4	07/06/93	348.07	0.00	35.37	312.70	4,000	—	220	300	43	440	—	—	—
MW-4	11/30/93	348.07	0.00	37.78	310.29	1,400	—	140	83	54	110	—	—	—
MW-4	01/27/94	348.07	0.00	42.10	305.97	910	—	140	75	24	94	—	—	—
MW-4	04/25/94	348.07	0.00	40.28	307.79	—	—	—	—	—	—	—	—	—
MW-4	04/26/94	348.07	—	—	—	27,000	—	1,200	1,800	580	2,500	—	—	—
MW-4	07/08/94	348.07	0.00	41.38	306.69	540	—	57	47	17	43	—	—	—
MW-4	10/05/94	348.07	0.00	42.17	305.90	3,200	—	230	280	73	210	—	—	—
MW-4	02/21/95	348.07	0.02	34.87	313.22	—	—	—	—	—	—	—	—	—
MW-4	05/03/95	348.07	0.00	34.81	313.26	—	—	—	—	—	—	—	—	—
MW-4	05/04/95	348.07	—	—	—	1,700	—	100	200	50	240	—	—	—
MW-4	08/04/95	348.07	0.00	37.18	310.89	2,500	—	92	67	49	150	12	—	—
MW-4	11/10/95	348.07	0.00	39.86	308.21	11,000	—	1,100	590	420	1,200	—	—	—
MW-4	02/12/96	348.07	0.00	36.38	311.69	77	—	4.5	2.4	ND	2.8	17	—	—
MW-4	05/17/96	348.07	0.00	36.00	312.07	470	—	50	ND	ND	8.9	ND	—	—
MW-4	08/12/96	348.07	0.00	38.63	309.44	4,000	—	830	180	160	250	ND	—	—
MW-4	11/08/96	348.07	0.00	40.28	307.79	1,100	—	160	35	41	110	ND	—	—
MW-4	02/12/97	348.07	0.00	34.45	313.62	—	—	—	—	—	—	—	—	—
MW-4†	03/17/97	348.07	0.00	37.25	310.82	2,100	—	200	40	54	74	ND	—	—
MW-4†	05/13/97	348.07	0.00	37.92	310.15	2,200	—	320	72	67	100	ND	—	—
MW-4†	08/12/97	348.07	0.00	40.87	307.20	2,200	—	310	31	59	68	ND	—	—

TABLE 3
Summary of Groundwater Monitoring and Chemical Analysis
Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater				Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MtBE 8020 (ug/L)	MtBE 8260 (ug/L)	Dissolved Oxygen (mg/L)
					Elevation (feet)	TPH-g (ug/L)	TPH-d (ug/L)	Benzene (ug/L)					
MW-4†	10/31/97	348.07	0.00	41.21	306.86	1,000	—	160	ND	15	28	ND	—
MW-4†	01/21/98	348.07	0.00	41.20	306.87	610	—	17	2.4	27	5.3	ND	—
MW-4†	04/24/98	348.07	0.00	36.90	311.17	460	—	5.0	1.2	3.0	ND	ND	4.05
MW-4†	07/20/98	348.07	0.00	39.56	308.51	1,700	—	79	12	40	16	ND	0.73
MW-4†	10/21/98	348.07	0.00	40.51	307.56	2,000	—	200	59	51	90	ND	0.21
MW-4†	02/22/99	348.07	0.00	41.46	306.61	920	—	45	21	6.3	100	ND	0.74
MW-4†	05/27/99	348.07	0.00	41.71	306.36	670	—	67	9.0	4.7	40	ND	0.98
MW-4†	09/16/99	348.07	0.00	43.71	304.36	3,000	—	150	34	6.2	150	ND	0.36
MW-4†	11/15/99	348.07	0.00	44.15	303.92	ND	—	ND	ND	ND	ND	ND	2.87
MW-4†	03/02/00	348.07	0.00	41.08	306.99	240	—	10	0.69	<0.30	6.5	<10	3.02
MW-5	10/18/90	347.97	—	**	—	—	—	—	—	—	—	—	—
MW-5	08/06/91	347.97	0.00	34.25	313.72	—	—	—	—	—	—	—	—
MW-5	01/08/92	347.97	0.00	34.22	313.75	—	—	—	—	—	—	—	—
MW-5	04/30/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	07/31/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	10/27/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	01/22/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	04/05/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	07/06/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	11/30/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	01/27/94	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	04/25/94	347.97	0.00	34.23	313.74	—	—	—	—	—	—	—	—
MW-5	07/08/94	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	02/21/95	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	05/03/95	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	08/04/95	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	11/10/95	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	02/12/96	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	05/17/96	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	08/12/96	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	11/08/96	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	02/12/97	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	03/17/97	347.97	0.00	34.21	313.76	—	—	—	—	—	—	—	—
MW-5	05/13/97	347.97	—	—	—	—	—	—	—	—	—	—	—
MW-5***	08/12/97	347.97	0.00	34.22	313.75	—	—	—	—	—	—	—	—
MW-5	10/31/97	347.97	0.00	34.19	313.78	—	—	—	—	—	—	—	—
MW-5	01/21/98	347.97	0.00	31.25	316.72	—	—	—	—	—	—	—	—
MW-5	04/24/98	347.97	0.00	34.21	313.76	—	—	—	—	—	—	—	3.43
MW-5	07/20/98	347.97	0.00	34.21	313.76	—	—	—	—	—	—	—	0.55
MW-5	10/21/98	347.97	0.00	34.20	313.77	—	—	—	—	—	—	—	3.07
MW-5	02/22/99	347.97	0.00	34.25	313.72	—	—	—	—	—	—	—	3.45
MW-5	05/27/99	347.97	0.00	34.01	313.96	—	—	—	—	—	—	—	3.14
MW-5	09/16/99	347.97	0.00	34.10	313.87	—	—	—	—	—	—	—	5.48
MW-5	11/15/99	347.97	0.00	35.21	312.76	—	—	—	—	—	—	—	3.44
MW-5**	03/02/00	347.97	—	—	—	—	—	—	—	—	—	—	—
MW-6	10/18/90	348.23	0.00	43.60	304.63	3,000	ND	1,300	150	120	85	—	—
MW-6	08/06/91	348.23	0.00	39.07	309.16	1,600	—	220	10	5.2	14	—	—
MW-6	01/08/92	348.23	0.00	39.18	309.05	370	—	81	3.9	4.5	2.9	—	—
MW-6	04/30/92	348.23	0.00	40.46	307.77	610	—	180	8.4	6.8	3.3	—	—
MW-6	07/31/92	348.23	0.00	43.61	304.62	96	—	1,500	1,500	370	1,100	—	—
MW-6	10/27/92	348.23	0.00	43.68	304.55	9,400	—	27	ND	6	10	—	—
MW-6	01/22/93	348.23	0.00	35.66	312.57	250	—	12	2.4	1.4	1.9	—	—
MW-6	04/05/93	348.23	0.00	34.41	313.82	190	—	2.3	0.99	ND	0.5	—	—
MW-6	07/06/93	348.23	0.00	36.01	312.22	99	—	1.4	0.54	ND	ND	—	—
MW-6	11/30/93	348.23	0.00	38.36	309.87	86	—	9.1	ND	ND	ND	—	—
MW-6	01/27/94	348.23	0.00	42.57	305.66	140	—	1.7	ND	ND	ND	—	—
MW-6	04/25/94	348.23	0.00	40.77	307.46	—	—	—	—	—	—	—	—
MW-6	04/26/94	348.23	—	—	—	330	—	40	ND	ND	ND	—	—
MW-6	07/08/94	348.23	0.00	41.82	306.41	170	—	8.8	9.2	3.5	12	—	—
MW-6	10/05/94	348.23	0.00	42.64	305.59	600	—	100	5.6	11	12	—	—
MW-6	02/21/95	348.23	0.01	35.55	312.69	—	—	—	—	—	—	—	—
MW-6	05/03/95	348.23	0.00	35.47	312.76	—	—	—	—	—	—	—	—
MW-6	05/04/95	348.23	—	—	—	350	—	6.8	1.8	7.4	7.1	—	—
MW-6	08/04/95	348.23	0.00	37.72	310.51	150	—	3.8	1.7	ND	1.1	6.5	—
MW-6	11/10/95	348.23	0.00	40.31	307.92	130	—	6.6	0.96	1.6	1.7	—	—
MW-6	02/12/96	348.23	0.00	36.92	311.31	65	—	2.8	1.6	0.57	1.3	5.2	—
MW-6	05/17/96	348.23	0.00	36.56	311.67	91	—	2.8	ND	ND	ND	—	—
MW-6	08/12/96	348.23	0.00	39.12	309.11	75	—	4.6	2.6	ND	1.7	ND	—
MW-6	11/08/96	348.23	0.00	40.69	307.54	60	—	2.5	0.60	0.50	0.68	ND	—

TABLE 3
Summary of Groundwater Monitoring and Chemical Analysis
Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Groundwater		TPH-g (ug/L)	TPH-d (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MtBE 8020 (ug/L)	MtBE 8260 (ug/L)	Dissolved Oxygen (mg/L)
				Water (feet)	Elevation (feet)									
MW-6	02/12/97	348.23	0.00	34.99	313.24	—	—	—	—	—	—	—	—	—
MW-6†	03/17/97	348.23	0.00	37.76	310.47	ND	—	ND	ND	ND	ND	ND	—	—
MW-6†	05/13/97	348.23	0.00	38.45	309.78	ND	—	ND	ND	ND	ND	ND	—	—
MW-6†	08/12/97	348.23	0.00	41.33	306.90	68	—	1.3	ND	ND	ND	ND	—	—
MW-6†	10/31/97	348.23	0.00	41.68	306.55	ND	—	ND	ND	ND	ND	ND	—	—
MW-6†	01/21/98	348.23	0.00	41.62	306.61	180	—	2.1	ND	0.4	ND	ND	—	—
MW-6†	04/24/98	348.23	0.00	37.42	310.81	100	—	1.0	ND	ND	ND	ND	—	4.51
MW-6†	07/20/98	348.23	0.00	40.01	308.22	280	—	1.5	6.0	1.2	1.2	ND	—	1.86
MW-6†	10/21/98	348.23	0.00	42.93	305.30	590	—	9.1	7.7	ND	1.1	ND	—	4.63
MW-6†	02/22/99	348.23	0.00	41.83	306.40	170	—	ND	4.4	ND	ND	ND	—	3.79
MW-6†	05/27/99	348.23	0.00	42.13	306.10	160	—	ND	3.7	ND	0.9	ND	—	1.11
MW-6†	09/16/99	348.23	0.00	44.27	303.96	70	—	ND	ND	ND	ND	ND	—	1.70
MW-6†	11/15/99	348.23	0.00	44.65	303.58	ND	—	ND	ND	ND	ND	ND	—	3.17
MW-6†	03/02/00	348.23	0.00	41.50	306.73	<50	—	<0.30	<0.30	<0.30	<0.60	<10	—	3.12
MW-7	10/18/90	347.90	0.00	9.26	338.64	ND	ND	0	0.5	ND	0.8	—	—	—
MW-7	08/06/91	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	01/08/92	347.90	0.00	23.79	324.11	220	—	7.8	1.7	ND	0.55	—	—	—
MW-7	04/30/92	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	07/31/92	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	10/27/92	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	01/22/93	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	04/05/93	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	07/06/93	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	11/30/93	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	01/27/94	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	04/25/94	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	07/08/94	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	02/21/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	05/03/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	08/04/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	11/10/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	02/12/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	05/17/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	08/12/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	11/08/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	02/12/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	03/17/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	05/13/97	347.90	—	—	—	—	—	—	—	—	—	—	—	—
MW-7	08/12/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	10/31/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	01/21/98	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	04/24/98	347.90	0.00	24.44	323.46	—	—	—	—	—	—	—	—	0.45
MW-7	07/20/98	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	10/21/98	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	02/22/99	347.90	0.00	23.69	324.21	—	—	—	—	—	—	—	—	—
MW-7	05/27/99	347.90	0.00	23.67	324.23	—	—	—	—	—	—	—	—	1.30
MW-7	09/16/99	347.90	0.00	23.19	324.71	—	—	—	—	—	—	—	—	0.64
MW-7	11/15/99	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	03/02/00	347.90	0.00	18.1	329.80	—	—	—	—	—	—	—	—	1.73
MW-8	10/18/90	348.90	0.00	11.30	337.60	900	ND	3	5	7	62	—	—	—
MW-8	08/06/91	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-8	01/08/92	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-8	04/30/92	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-8	07/31/92	348.90	0.00	12.04	336.86	270*	—	ND	ND	ND	1.3	—	—	—
MW-8	10/27/92	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-8	01/22/93	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-8	04/05/93	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-8	07/06/93	348.90	0.00	7.48	341.42	ND	—	ND	ND	ND	ND	—	—	—
MW-8	11/30/93	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-8	01/27/94	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-8	04/25/94	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-8	07/08/94	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-8	10/05/94	348.90	—	—	—	—	—	—	—	—	—	—	—	—
MW-8	02/21/95	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-8	05/03/95	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-8	08/04/95	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-8	11/10/95	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-8	02/12/96	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-8	05/17/96	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—

TABLE 3
Summary of Groundwater Monitoring and Chemical Analysis
Former Mobil Station 04-H6J

Sample ID	Date	Casing				Product				Depth to Groundwater				Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MtBE 8020 (ug/L)	MtBE 8260 (ug/L)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-g (ug/L)	TPH-d (ug/L)	Benzene (ug/L)	Toluene (ug/L)									
MW-8	08/12/96	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	11/08/96	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	02/12/97	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	03/17/97	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	05/13/97	348.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	08/12/97	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	10/31/97	348.90	0.00	18.88	330.02	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	01/21/98	348.90	0.00	19.50	329.40	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	04/24/98	348.90	0.00	18.53	330.37	—	—	—	—	—	—	—	—	—	—	—	1.98	
MW-8	07/20/98	348.90	0.00	19.22	329.68	—	—	—	—	—	—	—	—	—	—	—	5.25	
MW-8	10/21/98	348.90	0.00	20.19	328.71	—	—	—	—	—	—	—	—	—	—	—	4.28	
MW-8	02/22/99	348.90	0.00	20.64	328.26	—	—	—	—	—	—	—	—	—	—	—	4.71	
MW-8	05/27/99	348.90	0.00	20.53	328.37	—	—	—	—	—	—	—	—	—	—	—	4.53	
MW-8	09/16/99	348.90	0.00	18.10	330.80	—	—	—	—	—	—	—	—	—	—	—	2.34	
MW-8	11/15/99	348.90	0.00	19.52	329.38	—	—	—	—	—	—	—	—	—	—	—	1.62	
MW-8	03/02/00	348.90	0.00	17.42	331.48	—	—	—	—	—	—	—	—	—	—	—	4.28	
MW-9	02/04/92	348.53	0.00	43.54	304.99	16,000	—	3,000	740	1,200	2,500	—	—	—	—	—	—	
MW-9	04/30/92	348.53	0.00	42.83	305.70	5,600	—	1,000	120	410	350	—	—	—	—	—	—	
MW-9	07/31/92	348.53	0.00	47.36	301.17	93	—	1,800	1,900	620	940	—	—	—	—	—	—	
MW-9	10/27/92	348.53	0.00	48.32	300.21	13,000	—	2,400	1,600	680	1,100	—	—	—	—	—	—	
MW-9	01/22/93	348.53	0.00	39.11	309.42	5,600	—	1,200	200	510	350	—	—	—	—	—	—	
MW-9	04/05/93	348.53	0.00	37.10	311.43	7,900	—	1,300	510	620	670	—	—	—	—	—	—	
MW-9	07/06/93	348.53	0.00	39.21	309.32	3,200	—	510	46	170	150	—	—	—	—	—	—	
MW-9	11/30/93	348.53	0.00	40.58	307.95	2,800	—	610	28	220	65	—	—	—	—	—	—	
MW-9	01/27/94	348.53	0.00	44.32	304.21	11,000	—	1,400	130	230	700	—	—	—	—	—	—	
MW-9	04/25/94	348.53	0.00	43.05	305.48	—	—	—	—	—	—	—	—	—	—	—	—	
MW-9	04/26/94	348.53	—	—	—	3,900	—	460	56	160	220	—	—	—	—	—	—	
MW-9	07/08/94	348.53	0.00	45.72	302.81	2,600	—	340	82	96	220	—	—	—	—	—	—	
(Abandoned 08/01/94)																		
MW-10	11/30/93	347.95	0.00	37.97	309.98	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-10	01/27/94	347.95	0.00	42.16	305.79	ND	—	ND	ND	ND	1.2	—	—	—	—	—	—	
MW-10	04/25/94	347.95	0.00	40.39	307.56	—	—	—	—	—	—	—	—	—	—	—	—	
MW-10	04/26/94	347.95	—	—	—	810	—	17	0.84	ND	ND	—	—	—	—	—	—	
MW-10	07/08/94	347.95	0.00	41.45	306.50	110	—	18	12	3.7	14	—	—	—	—	—	—	
MW-10	10/05/94	347.95	0.00	42.28	305.67	87	—	8.0	5.0	0.85	4.5	—	—	—	—	—	—	
MW-10	02/21/95	347.95	0.00	35.14	312.81	70	—	3.6	12	1.8	9.5	—	—	—	—	—	—	
MW-10	05/03/95	347.95	0.00	35.07	312.88	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-10	08/04/95	347.95	0.00	37.42	310.53	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-10	11/10/95	347.95	0.00	39.95	308.00	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-10	02/12/96	347.95	0.00	36.57	311.38	ND	—	ND	1.9	ND	1.2	1.2	—	—	—	—	—	
MW-10	05/17/96	347.95	0.00	36.18	311.77	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-10	08/12/96	347.95	0.00	38.76	309.19	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-10	11/08/96	347.95	0.00	40.35	307.60	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-10	02/12/97	347.95	0.00	34.62	313.33	—	—	—	—	—	—	—	—	—	—	—	—	
MW-10†	03/17/97	347.95	0.00	37.40	310.55	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-10†	05/13/97	347.95	0.00	38.08	309.87	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-10†	08/12/97	347.95	0.00	40.97	306.98	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-10†	10/31/97	347.95	0.00	41.29	306.66	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-10†	01/21/98	347.95	0.00	41.88	306.07	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-10†	04/24/98	347.95	0.00	37.06	310.89	ND	—	ND	ND	ND	ND	—	—	—	—	—	3.34	
MW-10†	07/20/98	347.95	0.00	39.62	308.33	ND	—	ND	ND	ND	ND	—	—	—	—	—	0.96	
MW-10†	10/21/98	347.95	0.00	42.39	305.56	ND	—	ND	ND	ND	ND	—	—	—	—	—	5.31	
MW-10	02/22/99	347.95	0.00	41.51	306.44	—	—	—	—	—	—	—	—	—	—	—	4.97	
MW-10	05/27/99	347.95	0.00	41.78	306.17	—	—	—	—	—	—	—	—	—	—	—	5.38	
MW-10	09/16/99	347.95	0.00	43.82	304.13	—	—	—	—	—	—	—	—	—	—	—	3.17	
MW-10	11/15/99	347.95	0.00	42.35	305.60	—	—	—	—	—	—	—	—	—	—	—	2.86	
MW-10	03/02/00	347.95	0.00	41.20	306.75	—	—	—	—	—	—	—	—	—	—	—	4.57	
MW-11	11/30/93	347.56	0.00	38.41	309.15	ND	—	ND	ND	ND	1.6	—	—	—	—	—	—	
MW-11	01/27/94	347.56	0.00	38.02	309.54	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-11	04/25/94	347.56	0.00	38.77	308.79	—	—	—	—	—	—	—	—	—	—	—	—	
MW-11	04/26/94	347.56	—	—	—	ND	—	ND	ND	ND	1.7	—	—	—	—	—	—	
MW-11	07/08/94	347.56	0.00	41.70	305.86	120	—	23	18	4.0	15	—	—	—	—	—	—	
MW-11	10/05/94	347.56	0.00	44.49	303.07	130	—	12	19	4.6	24	—	—	—	—	—	—	
MW-11	02/21/95	347.56	0.00	41.74	305.82	300	—	27	64	7.3	36	—	—	—	—	—	—	
MW-11	05/03/95	347.56	0.00	34.64	312.92	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-11	08/04/95	347.56	0.00	35.28	312.28	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-11	11/10/95	347.56	0.00	36.85	310.71	ND	—	ND	0.88	ND	0.88	—	—	—	—	—	—	
MW-11	02/12/96	347.56	0.00	36.18	311.38	ND	—	ND	1.7	ND	1.2	1.3	—	—	—	—	—	

TABLE 3
Summary of Groundwater Monitoring and Chemical Analysis
Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater				Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MtBE 8020 (ug/L)	MtBE 8260 (ug/L)	Dissolved Oxygen (mg/L)
					Elevation (feet)	TPH-g (ug/L)	TPH-d (ug/L)	Benzene (ug/L)					
MW-11	05/17/96	347.56	0.00	34.39	313.17	ND	—	ND	ND	ND	ND	—	—
MW-11	08/12/96	347.56	0.00	35.64	311.92	ND	—	ND	ND	ND	ND	—	—
MW-11	11/08/96	347.56	0.00	37.34	310.22	ND	—	ND	ND	ND	0.81	ND	—
MW-11	02/12/97	347.56	0.00	35.37	312.19	—	—	—	—	—	—	—	—
MW-11†	03/17/97	347.56	0.00	35.11	312.45	ND	—	ND	ND	ND	ND	ND	—
MW-11†	05/13/97	347.56	0.00	36.19	311.37	ND	—	ND	ND	ND	ND	ND	—
MW-11†	08/12/97	347.56	0.00	37.73	309.83	ND	—	ND	ND	ND	ND	ND	—
MW-11†	10/31/97	347.56	0.00	40.48	307.08	ND	—	ND	ND	ND	ND	ND	—
MW-11†	01/21/98	347.56	0.00	38.28	309.28	ND	—	ND	ND	ND	ND	ND	—
MW-11†	04/24/98	347.56	0.00	34.50	313.06	ND	—	ND	ND	ND	ND	ND	5.03
MW-11†	07/20/98	347.56	0.00	40.21	307.35	ND	—	ND	ND	ND	ND	ND	4.71
MW-11†	10/21/98	347.56	0.00	43.07	304.49	ND	—	ND	ND	ND	ND	ND	5.15
MW-11	02/22/99	347.56	0.00	42.32	305.24	—	—	—	—	—	—	—	5.24
MW-11	05/27/99	347.56	0.00	42.27	305.29	—	—	—	—	—	—	—	4.89
MW-11	09/16/99	347.56	0.00	43.91	303.65	—	—	—	—	—	—	—	4.91
MW-11**	11/15/99	347.56	—	—	—	—	—	—	—	—	—	—	—
MW-11	03/02/00	347.56	—	Dry	—	—	—	—	—	—	—	—	—
MW-12	11/30/93	347.15	0.00	37.97	309.18	55	—	1.8	4.3	2.5	11	—	—
MW-12	01/27/94	347.15	0.00	44.02	303.13	ND	—	ND	ND	ND	ND	—	—
MW-12	04/25/94	347.15	0.00	42.27	304.88	—	—	—	—	—	—	—	—
MW-12	04/26/94	347.15	—	—	—	ND	—	ND	ND	ND	1.4	—	—
MW-12	07/08/94	347.15	0.00	43.26	303.89	53	—	8.4	7.4	1.9	7.1	—	—
MW-12	10/05/94	347.15	0.00	44.32	302.83	350	—	27	56	13	67	—	—
MW-12	02/21/95	347.15	0.00	37.83	309.32	ND	—	4.0	4.0	0.77	3.6	—	—
MW-12	05/03/95	347.15	0.00	37.24	309.91	ND	—	ND	ND	ND	ND	—	—
MW-12	08/04/95	347.15	0.00	39.07	308.08	ND	—	ND	ND	ND	ND	ND	—
MW-12	11/10/95	347.15	0.00	41.24	305.91	ND	—	ND	ND	ND	ND	—	—
MW-12	02/12/96	347.15	0.00	38.19	308.96	ND	—	ND	2.1	ND	1.3	2.5	—
MW-12**	05/17/96	347.15	—	—	—	—	—	—	—	—	—	—	—
MW-12	08/12/96	347.15	0.00	40.32	306.83	ND	—	ND	ND	ND	ND	ND	—
MW-12	11/08/96	347.15	0.00	41.32	305.83	ND	—	ND	ND	ND	ND	ND	—
MW-12	02/12/97	347.15	0.00	35.98	311.17	—	—	—	—	—	—	—	—
MW-12†	03/17/97	347.15	0.00	38.67	308.48	ND	—	ND	ND	ND	ND	ND	—
MW-12†	05/13/97	347.15	0.00	39.68	307.47	ND	—	ND	ND	ND	ND	ND	—
MW-12†	08/12/97	347.15	0.00	42.81	304.34	ND	—	ND	ND	ND	ND	ND	—
MW-12†	10/31/97	347.15	0.00	43.28	303.87	ND	—	ND	ND	ND	ND	ND	—
MW-12†	01/21/98	347.15	0.00	43.10	304.05	ND	—	ND	ND	ND	ND	ND	—
MW-12†	04/24/98	347.15	0.00	38.23	308.92	ND	—	ND	ND	ND	ND	ND	2.80
MW-12†	07/20/98	347.15	0.00	41.09	306.06	ND	—	ND	ND	ND	ND	ND	—
MW-12†	10/21/98	347.15	0.00	44.23	302.92	ND	—	ND	ND	ND	ND	ND	4.87
MW-12**	02/22/99	347.15	0.00	—	—	—	—	—	—	—	—	—	—
MW-12	05/27/99	347.15	0.00	43.18	303.97	—	—	—	—	—	—	—	2.81
MW-12	09/16/99	347.15	0.00	46.29	300.86	—	—	—	—	—	—	—	5.26
MW-12**	11/15/99	347.15	0.00	—	—	—	—	—	—	—	—	—	—
MW-12†	03/02/00	347.15	0.00	43.93	303.22	<50	—	<0.30	<0.30	<0.30	<0.60	<10	3.46
VMW-1	11/30/93	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	01/27/94	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	04/25/94	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	07/08/94	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	10/05/94	348.05	—	—	—	—	—	—	—	—	—	—	—
VMW-1	02/21/95	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	05/03/95	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	08/04/95	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	11/10/95	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	02/12/96	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	05/17/96	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	08/12/96	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	11/08/96	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	02/12/97	348.05	0.00	30.60	—	—	—	—	—	—	—	—	—
VMW-1	03/17/97	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	05/13/97	348.05	—	—	—	—	—	—	—	—	—	—	—
VMW-1	08/12/97	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	10/31/97	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	01/21/98	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	04/24/98	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	07/20/98	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	10/21/98	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	02/22/99	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	05/27/99	348.05	—	Dry	—	—	—	—	—	—	—	—	—

TABLE 3
Summary of Groundwater Monitoring and Chemical Analysis
Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Groundwater		TPH-g (ug/L)	TPH-d (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MtBE 8020 (ug/L)	MtBE 8260 (ug/L)	Dissolved Oxygen (mg/L)
				Water (feet)	Elevation (feet)									
VMW-1	09/16/99	348.05	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-1	11/15/99	348.05	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-1	03/02/00	348.05	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	11/30/93	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	01/27/94	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	04/25/94	347.90	0.00	33.82	314.08	—	—	—	—	—	—	—	—	—
VMW-2	07/08/94	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	02/21/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	05/03/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	08/04/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	11/10/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	02/12/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	05/17/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	08/12/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	11/08/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	02/12/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	03/17/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	05/13/97	347.90	—	—	—	—	—	—	—	—	—	—	—	—
VMW-2	08/12/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	10/31/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	01/21/98	347.90	0.00	27.85	320.05	—	—	—	—	—	—	—	—	—
VMW-2	04/24/98	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	07/20/98	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	10/21/98	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	02/22/99	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	05/27/99	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	09/16/99	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	11/15/99	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2**	03/02/00	347.90	—	—	—	—	—	—	—	—	—	—	—	—
VMW-3	11/30/93	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	01/27/94	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	04/25/94	348.10	Trace	31.23	316.87	—	—	—	—	—	—	—	—	—
VMW-3	07/08/94	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	02/21/95	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	05/03/95	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	08/04/95	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	11/10/95	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	02/12/96	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	05/17/96	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	08/12/96	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	11/08/96	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	02/12/97	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	03/17/97	348.10	0.00	31.29	316.81	—	—	—	—	—	—	—	—	—
VMW-3	05/13/97	348.10	—	—	—	—	—	—	—	—	—	—	—	—
VMW-3	08/12/97	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	10/31/97	348.10	0.00	31.21	316.89	—	—	—	—	—	—	—	—	—
VMW-3	01/21/98	348.10	0.00	31.25	316.85	—	—	—	—	—	—	—	—	—
VMW-3	04/24/98	348.10	0.00	31.21	316.89	—	—	—	—	—	—	—	—	0.34
VMW-3	07/20/98	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	10/21/98	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	02/22/99	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-3	05/27/99	348.10	0.00	36.14	311.96	—	—	—	—	—	—	—	—	1.84
VMW-3	09/16/99	348.10	0.00	31.32	316.78	—	—	—	—	—	—	—	—	1.32
VMW-3	11/15/99	348.10	0.00	31.21	316.89	—	—	—	—	—	—	—	—	1.71
VMW-3	03/02/00	348.10	0.00	31.14	316.96	—	—	—	—	—	—	—	—	5.93
VMW-4	11/30/93	347.95	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-4	01/27/94	347.95	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-4	04/25/94	347.95	—	31.41	316.54	—	—	—	—	—	—	—	—	—
VMW-4	07/08/94	347.95	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-4	02/21/95	347.95	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-4	05/03/95	347.95	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-4	08/04/95	347.95	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-4	11/10/95	347.95	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-4	02/12/96	347.95	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-4	05/17/96	347.95	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-4	08/12/96	347.95	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-4	11/08/96	347.95	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-4	02/12/97	347.95	—	Dry	—	—	—	—	—	—	—	—	—	—

TABLE 3
Summary of Groundwater Monitoring and Chemical Analysis
Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater		Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MtBE 8020 (ug/L)	MtBE 8260 (ug/L)	Dissolved Oxygen (mg/L)			
					Elevation (feet)	TPH-g (ug/L)						TPH-d (ug/L)	Benzene (ug/L)	Toluene (ug/L)
VMW-4	03/17/97	347.95	—	Dry	—	—	—	—	—	—	—			
VMW-4	05/13/97	347.95	—	—	—	—	—	—	—	—	—			
VMW-4	08/12/97	347.95	—	Dry	—	—	—	—	—	—	—			
VMW-4	10/31/97	347.95	—	Dry	—	—	—	—	—	—	—			
VMW-4	01/21/98	347.95	0.00	10.95	337.00	—	—	—	—	—	—			
VMW-4	04/24/98	347.95	—	Dry	—	—	—	—	—	—	—			
VMW-4	07/20/98	347.95	—	Dry	—	—	—	—	—	—	—			
VMW-4	10/21/98	347.95	—	Dry	—	—	—	—	—	—	—			
VMW-4	02/22/99	347.95	—	Dry	—	—	—	—	—	—	—			
VMW-4	05/27/99	347.95	—	Dry	—	—	—	—	—	—	—			
VMW-4	09/16/99	347.95	—	Dry	—	—	—	—	—	—	—			
VMW-4	11/15/99	347.95	—	Dry	—	—	—	—	—	—	—			
VMW-4	03/02/00	347.95	0.00	10.13	337.82	—	—	—	—	—	2.49			
RW-1	11/30/93	347.89	Trace	37.75	310.14	—	—	—	—	—	—			
RW-1	01/27/94	347.89	Trace	42.00	305.89	—	—	—	—	—	—			
RW-1	04/25/94	347.89	0.02	40.24	307.67	—	—	—	—	—	—			
RW-1	07/08/94	347.89	0.15	41.41	306.59	—	—	—	—	—	—			
RW-1	10/05/94	347.89	Trace	42.18	305.71	—	—	—	—	—	—			
RW-1	02/21/95	347.89	Trace	34.94	312.95	110,000	—	16,000	29,000	2,200	14,000	—		
RW-1	05/03/95	347.89	0.01	34.83	313.07	—	—	—	—	—	—	—		
RW-1	08/04/95	347.89	Trace	37.11	310.78	—	—	—	—	—	—	—		
RW-1	11/10/95	347.89	0.02	39.74	308.17	—	—	—	—	—	—	—		
RW-1	02/12/96	347.89	0.00	47.29	300.60	41,000	—	4,400	12,000	960	6,900	120	—	
RW-1	05/17/96	347.89	0.00	47.53	300.36	81,000	—	2,700	8,600	1,100	6,300	ND	—	
RW-1	08/12/96	347.89	0.00	39.75	308.14	140,000	—	12,000	25,000	2,200	15,000	ND	—	
RW-1	11/08/96	347.89	—	—	—	81,000	—	5,300	11,000	1,300	8,900	ND	—	
RW-1	02/12/97	347.89	0.00	46.50	301.39	—	—	—	—	—	—	—	—	
RW-1†	03/17/97	347.89	0.00	49.30	298.59	38,000	—	3,600	12,000	710	7,400	ND	—	
RW-1†	05/13/97	347.89	0.00	37.86	310.03	130,000	—	7,300	20,000	1,500	12,000	ND	—	
RW-1†	08/12/97	347.89	0.00	40.77	307.12	72,000	—	9,200	19,000	1,300	7,000	1,000	ND	—
RW-1†	10/31/97	347.89	0.00	47.54	300.35	45,000	—	4,500	11,000	530	6,800	630	ND	—
RW-1†	01/21/98	347.89	0.00	46.71	301.18	23,000	—	570	1,300	120	2,500	ND	ND	—
RW-1†	04/24/98	347.89	0.00	—	—	28,000	—	1,300	3,400	250	4,000	ND	—	—
RW-1†	07/20/98	347.89	0.00	45.54	302.35	21,000	—	1,400	3,500	530	2,700	ND	ND	1.60
RW-1†	10/21/98	347.89	0.00	42.41	305.48	35,000	—	3,500	5,700	660	4,100	ND	25	5.41
RW-1†	02/22/99	347.89	0.00	41.25	306.64	28,000	—	1,100	1,700	220	3,000	ND	ND	5.01
RW-1†	05/27/99	347.89	0.00	41.39	306.50	23,000	—	1,400	1,800	320	3,000	ND	—	4.31
RW-1†	09/16/99	347.89	0.00	44.23	303.66	34,000	—	910	5,000	1,000	3,800	ND	—	6.64
RW-1†	11/15/99	347.89	0.00	43.28	304.61	11,000	—	66	98	29	1,000	34	—	1.64
RW-1†	03/02/00	347.89	0.00	41.02	306.87	26,000	—	870	1,500	490	3,000	120	<10	3.48
RW-2	10/05/94	347.82	0.00	43.33	304.49	41,000	—	6,500	6,300	1,000	5,400	—	—	—
RW-2	02/21/95	347.82	0.00	35.05	312.77	45,000	—	6,200	2,600	1,400	5,600	—	—	—
RW-2	05/03/95	347.82	0.00	35.11	312.71	30,000	—	3,600	2,000	1,000	5,700	—	—	—
RW-2	08/04/95	347.82	0.00	37.35	310.47	21,000	—	4,100	1,400	810	3,200	ND	—	—
RW-2	11/10/95	347.82	0.00	41.02	306.80	26,000	—	2,600	990	810	2,700	—	—	—
RW-2	02/12/96	347.82	0.00	38.63	309.19	10,000	—	600	600	230	1,900	ND	—	—
RW-2	05/17/96	347.82	0.00	48.56	299.26	4,000	—	300	64	86	470	10	—	—
RW-2	08/12/96	347.82	0.00	44.74	303.08	5,400	—	1,100	36	320	190	ND	—	—
RW-2	11/08/96	347.82	—	—	—	3,500	—	480	48	150	150	ND	—	—
RW-2	02/12/97	347.82	0.00	48.10	299.72	—	—	—	—	—	—	—	—	—
RW-2†	03/17/97	347.82	0.00	50.90	296.92	1,100	—	180	21	42	56	ND	—	—
RW-2†	05/13/97	347.82	0.00	38.11	309.71	3,500	—	680	93	150	300	ND	—	—
RW-2†	08/12/97	347.82	0.00	44.22	303.60	1,200	—	180	6.7	44	27	ND	—	—
RW-2†	10/31/97	347.82	0.00	49.13	298.69	440	—	8.9	3.6	1.5	90	ND	—	—
RW-2†	01/21/98	347.82	0.00	49.39	298.43	ND	—	ND	ND	ND	ND	ND	—	—
RW-2†	04/24/98	347.82	—	—	—	3,000	—	100	12	46	77	28	ND	—
RW-2†	07/20/98	347.82	0.00	47.16	300.66	480	—	20	6.9	7.7	9.6	ND	—	1.72
RW-2†	10/21/98	347.82	0.00	46.08	301.74	780	—	4.4	6.1	2.8	3.9	ND	—	2.18
RW-2†	02/22/99	347.82	0.00	44.31	303.51	2,300	—	87	11	33	27	ND	—	3.07
RW-2†	05/27/99	347.82	0.00	44.15	303.67	310	—	1.4	4.5	0.6	1.7	ND	—	2.83
RW-2†	09/16/99	347.82	0.00	47.97	299.85	260	—	ND	ND	ND	ND	ND	—	1.87
RW-2†	11/15/99	347.82	0.00	49.44	298.38	ND	—	ND	ND	ND	ND	ND	—	1.78
RW-2†	03/02/00	347.82	0.00	45.70	302.12	180	—	<1.0	<1.0	<1.0	<0.60	<10	—	3.49
RW-3	10/05/94	347.92	0.00	44.66	303.26	1,600	—	120	180	26	170	—	—	—
RW-3	02/21/95	347.92	0.00	39.85	308.07	620	—	67	30	12	48	—	—	—
RW-3	05/03/95	347.92	0.00	40.12	307.80	780	—	31	28	6.0	40	—	—	—
RW-3	08/04/95	347.92	0.00	41.84	306.08	190	—	37	14	ND	19	8.1	—	—
RW-3	11/10/95	347.92	0.00	44.45	303.47	160	—	19	5.0	ND	4.4	—	—	—

TABLE 3
Summary of Groundwater Monitoring and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater		Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MIBE 8020 (ug/L)	MIBE 8260 (ug/L)	Dissolved Oxygen (mg/L)			
					Elevation (feet)	TPH-g (ug/L)						TPH-d (ug/L)	Benzene (ug/L)	Toluene (ug/L)
RW-3	02/12/96	347.92	0.00	42.62	305.30	ND	—	0.78	2.0	ND	2.0	1.4	—	—
RW-3	05/17/96	347.92	0.00	48.90	299.02	52	—	2.8	0.5	ND	ND	3.6	—	—
RW-3	08/12/96	347.92	0.00	43.71	304.21	ND	—	0.87	ND	ND	ND	ND	—	—
RW-3	11/08/96	347.92	—	—	—	110	—	28	3.3	1.2	4.5	ND	—	—
RW-3	02/12/97	347.92	0.00	48.82	299.10	—	—	—	—	—	—	—	—	—
RW-3†	03/17/97	347.92	0.00	51.61	296.31	ND	—	ND	ND	ND	ND	ND	—	—
RW-3†	05/13/97	347.92	0.00	38.22	309.70	960	—	180	190	6.8	79	ND	—	—
RW-3†	08/12/97	347.92	0.00	44.15	303.77	160	—	20	11	2.1	17	4.8	—	—
RW-3†	10/31/97	347.92	0.00	48.18	299.74	330	—	11	14	4.4	32	10	—	—
RW-3†	01/21/98	347.92	0.00	46.31	301.61	50	—	1.4	0.9	0.4	2.1	ND	—	—
RW-3†	04/24/98	347.92	—	—	—	ND	—	ND	ND	ND	ND	ND	—	—
RW-3†	07/20/98	347.92	0.00	46.81	301.11	80	—	0.6	1.0	ND	ND	ND	—	2.87
RW-3	10/21/98	347.92	—	Dry	—	—	—	—	—	—	—	—	—	—
RW-3†	02/22/99	347.92	0.00	44.17	303.75	ND	—	ND	ND	ND	ND	ND	—	3.42
RW-3†	05/27/99	347.92	0.00	44.40	303.52	ND	—	ND	ND	ND	ND	ND	—	3.18
RW-3†^	09/16/99	347.92	0.00	44.58	303.34	45,000	—	960	5,700	1,200	5,000	200	—	8.45
RW-3†^	10/04/99	347.92	—	—	—	ND	—	ND	0.6	ND	ND	ND	—	—
RW-3†	11/15/99	347.92	0.00	48.32	299.60	93	—	ND	ND	1.2	3.3	ND	—	3.88
RW-3†	03/02/00	347.92	0.00	47.60	300.32	<50	—	<0.30	<0.30	<0.30	<0.60	<10	—	2.22
RW-4	10/05/94	348.29	0.00	42.62	305.67	130	—	11	4.9	1.5	9.2	—	—	—
RW-4	02/21/95	348.29	0.02	35.40	312.91	—	—	—	—	—	—	—	—	—
RW-4	05/03/95	348.29	0.00	35.03	313.26	—	—	—	—	—	—	—	—	—
RW-4	05/04/95	348.29	—	—	—	2,900	—	330	130	120	410	—	—	—
RW-4	08/04/95	348.29	0.00	37.62	310.67	520	—	63	ND	14	2.1	6.1	—	—
RW-4	11/10/95	348.29	0.00	40.26	308.03	450	—	94	28	31	43	—	—	—
RW-4	02/12/96	348.29	0.00	36.84	311.45	52	—	1.5	2.0	2.9	2.4	4.0	—	—
RW-4	05/17/96	348.29	0.00	36.58	311.71	160	—	7.7	2.3	26	1.4	ND	—	—
RW-4	08/12/96	348.29	0.00	38.96	309.33	ND	—	ND	ND	ND	ND	ND	—	—
RW-4	11/08/96	348.29	—	—	—	ND	—	ND	ND	ND	ND	ND	—	—
RW-4	02/12/97	348.29	0.00	34.95	313.34	—	—	—	—	—	—	—	—	—
RW-4†	03/17/97	348.29	0.00	37.75	310.54	ND	—	ND	ND	ND	ND	ND	—	—
RW-4†	05/13/97	348.29	0.00	38.36	309.93	ND	—	ND	ND	ND	ND	ND	—	—
RW-4†	08/12/97	348.29	0.00	41.28	307.01	ND	—	ND	ND	ND	ND	ND	—	—
RW-4†	10/31/97	348.29	0.00	41.75	306.54	ND	—	ND	ND	ND	ND	ND	—	—
RW-4†	01/21/98	348.29	0.00	41.61	306.68	ND	—	ND	ND	ND	ND	ND	—	—
RW-4†	04/24/98	348.29	—	—	—	ND	—	ND	ND	ND	ND	ND	—	—
RW-4†	07/20/98	348.29	0.00	49.94	298.35	ND	—	ND	ND	ND	ND	ND	—	1.93
RW-4	10/21/98	348.29	—	Dry	—	—	—	—	—	—	—	—	—	—
RW-4†	02/22/99	348.29	0.00	41.80	306.49	ND	—	ND	ND	ND	ND	ND	—	2.98
RW-4†	05/27/99	348.29	0.00	42.06	306.23	ND	—	ND	ND	ND	ND	ND	—	2.43
RW-4†	09/16/99	348.29	0.00	44.87	303.42	ND	—	ND	ND	ND	ND	ND	—	1.94
RW-4†	11/15/99	348.29	0.00	44.60	303.69	ND	—	ND	ND	ND	ND	ND	—	2.20
RW-4†	03/02/00	348.29	0.00	41.48	306.81	<50	—	<0.30	<0.30	<0.30	<0.60	<10	—	2.18

FORMER UNOCAL STATION #0543 WELLS

MW-1#	12/16/92	351.18	—	—	—	ND	ND	ND	ND	ND	ND	—	—	—
MW-1#	02/02/93	351.18	0.00	37.76	313.42	—	—	—	—	—	—	—	—	—
MW-1#	03/01/93	351.18	0.00	36.26	314.92	—	—	—	—	—	—	—	—	—
MW-1#	04/14/93	351.18	0.00	36.56	314.62	ND	ND	ND	ND	ND	ND	—	—	—
MW-1#	05/14/93	351.18	0.00	37.27	313.91	—	—	—	—	—	—	—	—	—
MW-1#	06/15/93	351.18	0.00	38.02	313.16	—	—	—	—	—	—	—	—	—
MW-1#	07/06/93	351.18	0.00	38.06	313.12	ND	ND	ND	ND	ND	ND	—	—	—
MW-1#	11/30/93	350.78	—	—	—	—	—	—	—	—	—	—	—	—
MW-1#	01/27/94	350.78	0.00	43.41	307.37	ND	—	ND	ND	ND	ND	—	—	—
MW-1#	04/25/94	350.78	0.00	45.32	305.46	ND	—	ND	3.5	ND	3.4	—	—	—
MW-1#	07/08/94	350.78	0.00	46.26	304.52	ND	—	ND	ND	ND	ND	—	—	—
MW-1#	10/05/94	350.78	0.00	47.26	303.52	ND	—	ND	ND	ND	ND	—	—	—
MW-1#	01/04/95	350.78	0.00	44.98	305.80	ND	—	ND	ND	ND	ND	—	—	—
MW-1#	05/03/95	350.78	0.00	36.75	314.03	—	—	—	—	—	—	—	—	—
MW-1#	08/04/95	350.78	0.00	38.54	312.24	—	—	—	—	—	—	—	—	—
MW-1#	11/10/95	350.78	0.00	40.97	309.81	—	—	—	—	—	—	—	—	—
MW-1#	02/12/96	350.78	0.00	37.58	313.20	—	—	—	—	—	—	—	—	—
MW-1#	08/19/96	350.78	0.00	39.01	311.77	—	—	—	—	—	—	—	—	—
MW-1#	02/12/97	350.78	0.00	36.25	314.53	—	—	—	—	—	—	—	—	—
MW-2#	12/16/92	349.83	—	—	—	1,600	—	28	ND	5.1	5.6	—	—	—
MW-2#	02/02/93	349.83	0.00	39.18	310.65	—	—	—	—	—	—	—	—	—
MW-2#	03/01/93	349.83	0.00	34.33	315.50	—	—	—	—	—	—	—	—	—
MW-2#	04/14/93	349.83	0.00	37.56	312.27	4,300	—	7.2	5.8	13	10	—	—	—

TABLE 3
Summary of Groundwater Monitoring and Chemical Analysis
 Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater				Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MIBE 8020 (ug/L)	MtBE 8260 (ug/L)	Dissolved Oxygen (mg/L)
					Elevation (feet)	TPH-g (ug/L)	TPH-d (ug/L)	Benzene (ug/L)					
MW-2#	05/14/93	349.83	0.00	37.49	312.34	—	—	—	—	—	—	—	—
MW-2#	06/15/93	349.83	0.00	39.34	310.49	—	—	—	—	—	—	—	—
MW-2#	07/06/93	349.83	0.00	37.82	312.01	4,700	—	17	15	30	28	—	—
MW-2#	11/30/93	349.51	—	—	—	—	—	—	—	—	—	—	—
MW-2#	01/27/94	349.51	0.00	43.15	306.36	1,500	—	28	9.0	ND	20	—	—
MW-2#	04/25/94	349.51	0.00	41.90	307.61	1,100	—	19	1.7	2.5	8.8	—	—
MW-2#	07/08/94	349.51	0.00	42.75	306.76	1,100	—	17	ND	ND	6	—	—
MW-2#	10/05/94	349.51	0.00	43.50	306.01	240	—	4.7	2.5	0.52	2.6	—	—
MW-2#	01/04/95	349.51	0.00	44.75	304.76	2,000	—	23	ND	ND	ND	—	—
MW-2#	05/03/95	349.51	0.00	36.98	312.53	—	—	—	—	—	—	—	—
MW-2#	08/04/95	349.51	0.00	39.15	310.36	2,000	—	40	ND	17	43	—	—
MW-2#	11/10/95	349.51	0.00	41.45	308.06	1,400	—	13	2.8	2.7	4.0	—	—
MW-2#	02/12/96	349.51	0.00	38.11	311.40	3,200	—	66	9.2	27	35	ND	—
MW-2#	08/19/96	349.51	0.00	40.39	309.12	—	—	—	—	—	—	—	—
MW-2#	02/12/97	349.51	0.00	36.37	313.14	—	—	—	—	—	—	—	—
MW-3#	12/16/92	351.35	—	—	—	ND	—	ND	ND	ND	ND	—	—
MW-3#	02/02/93	351.35	0.00	40.62	310.73	—	—	—	—	—	—	—	—
MW-3#	03/01/93	351.35	0.00	35.7	315.65	—	—	—	—	—	—	—	—
MW-3#	04/14/93	351.35	0.00	38.97	312.38	ND	—	ND	ND	ND	ND	—	—
MW-3#	05/14/93	351.35	0.00	39.07	312.28	—	—	—	—	—	—	—	—
MW-3#	06/15/93	351.35	0.00	40.68	310.67	—	—	—	—	—	—	—	—
MW-3#	07/06/93	351.35	0.00	37.82	313.53	ND	—	ND	ND	ND	ND	—	—
MW-3#	11/30/93	351.04	—	—	—	—	—	—	—	—	—	—	—
MW-3#	01/27/94	351.04	0.00	44.25	306.79	ND	—	ND	ND	ND	ND	—	—
MW-3#	04/25/94	351.04	0.00	43.23	307.81	ND	—	ND	1.4	ND	1.8	—	—
MW-3#	07/08/94	351.04	0.00	44.01	307.03	ND	—	ND	ND	ND	ND	—	—
MW-3#	10/05/94	351.04	0.00	44.66	306.38	ND	—	ND	ND	ND	ND	—	—
MW-3#	01/04/95	351.04	0.00	44.90	306.14	ND	—	ND	ND	ND	ND	—	—
MW-3#	05/03/95	351.04	0.00	38.61	312.43	—	—	—	—	—	—	—	—
MW-3#	08/04/95	351.04	0.00	40.75	310.29	—	—	—	—	—	—	—	—
MW-3#	11/10/95	351.04	0.00	42.68	308.36	—	—	—	—	—	—	—	—
MW-3#	02/12/96	351.04	0.00	39.54	311.50	—	—	—	—	—	—	—	—
MW-3#	08/19/96	351.04	0.00	41.80	309.24	—	—	—	—	—	—	—	—
MW-3#	02/12/97	351.04	0.00	37.74	313.30	—	—	—	—	—	—	—	—
MW-4#	01/27/94	350.14	0.00	43.37	306.77	ND	—	ND	ND	ND	ND	—	—
MW-4#	04/25/94	350.14	0.00	42.28	307.86	ND	—	ND	1.2	ND	1.5	—	—
MW-4#	07/08/94	350.14	0.00	43.2	306.94	ND	—	ND	ND	ND	ND	—	—
MW-4#	10/05/94	350.14	0.00	43.97	306.17	ND	—	ND	ND	ND	ND	—	—
MW-4#	01/04/95	350.14	0.00	44.96	305.18	ND	—	ND	ND	ND	ND	—	—
MW-4#	05/03/95	350.14	0.00	36.06	314.08	—	—	—	—	—	—	—	—
MW-4#	08/04/95	350.14	0.00	38.10	312.04	63	—	0.77	1.1	1.9	15	—	—
MW-4#	11/10/95	350.14	0.00	40.61	309.53	—	—	—	—	—	—	—	—
MW-4#	02/12/96	350.14	0.00	37.24	312.90	ND	—	ND	0.98	ND	0.67	—	—
MW-4#	08/19/96	350.14	0.00	39.08	311.06	—	—	—	—	—	—	—	—
MW-4#	02/12/97	350.14	0.00	35.51	314.63	—	—	—	—	—	—	—	—
MW-5#	01/27/94	349.33	0.00	44.76	304.57	320	—	1.8	1.3	2.6	4.5	—	—
MW-5#	04/25/94	349.33	0.00	44.30	305.03	160	—	ND	1.9	1.4	1.9	—	—
MW-5#	07/08/94	349.33	0.00	45.17	304.16	120	—	ND	ND	1.1	1.8	—	—
MW-5#	10/05/94	349.33	0.00	46.07	303.26	83	—	0.73	0.90	ND	3.0	—	—
MW-5#	01/04/95	349.33	0.00	46.38	302.95	210	—	ND	0.74	ND	0.90	—	—
MW-5#	05/03/95	349.33	0.00	36.64	312.69	580	—	6.9	1.5	1.6	1.7	—	—
MW-5#	08/04/95	349.33	0.00	39.00	310.33	550	—	5.4	0.76	1.2	11	—	—
MW-5#	11/10/95	349.33	0.00	42.59	306.74	300	—	0.99	1.2	0.98	0.58	—	—
MW-5#	02/12/96	349.33	0.00	37.25	312.08	420	—	8.2	2.1	1.7	1.2	—	—
MW-5#	08/19/96	349.33	0.00	39.90	309.43	—	—	—	—	—	—	—	—
MW-5#	02/12/97	349.33	0.00	35.93	313.40	—	—	—	—	—	—	—	—

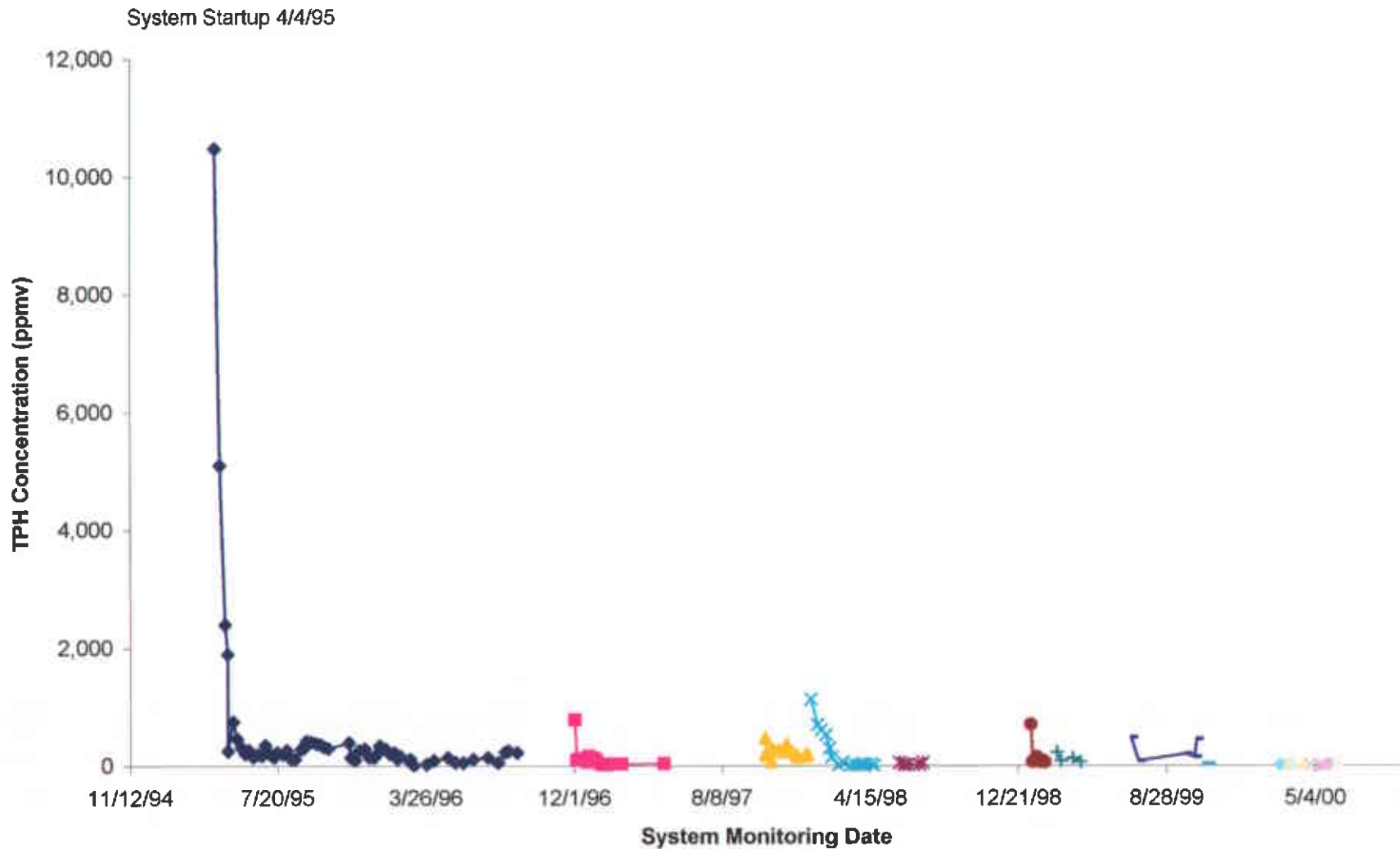
NOTES:

ug/L = micrograms per liter
 mg/L = milligrams per liter
 TPH-g = total petroleum hydrocarbons as gasoline
 TPH-d = total petroleum hydrocarbons as diesel
 MtBE = methyl tert-butyl ether
 ND = not detected at or above method detection limits
 — = not measured/not analyzed
 Trace = product present but too thin to be measured

* = reported by laboratory as non-gasoline mixture
 ** = well inaccessible
 *** = insufficient amount of water for sample collection
 # = wells installed by Kaprealan Engineering at former Unocal Station #0543; resurveyed by Kier & Wright Civil Engineers & Surveyors, Inc. on 9/20/93.
 † = sampled using no-purge method
 ^ = Due to an anomalous analytical result on 9/16/99, RW-3 was resampled on 10/4/99.

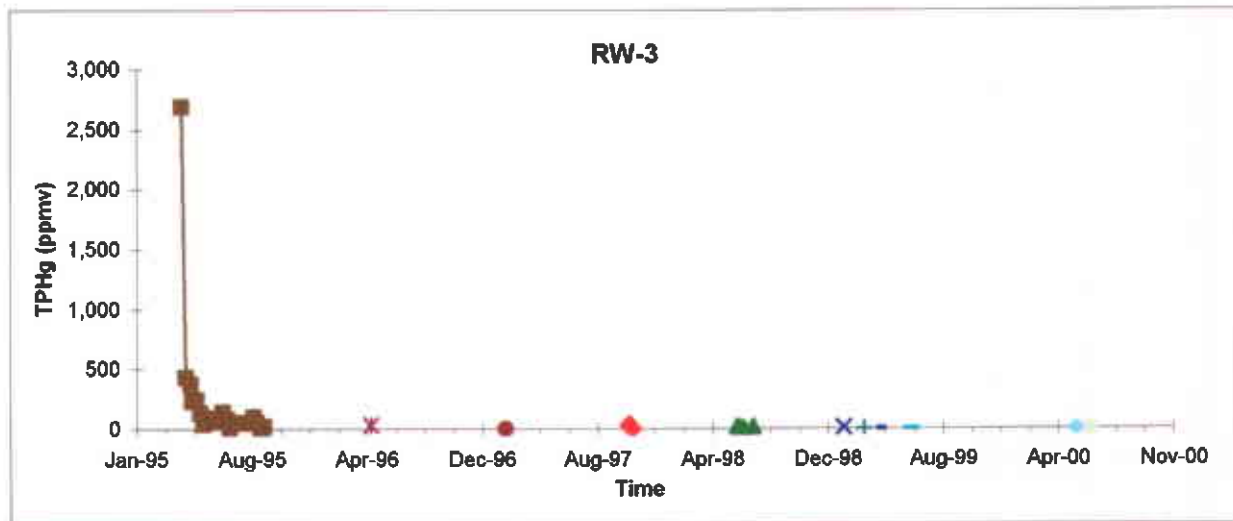
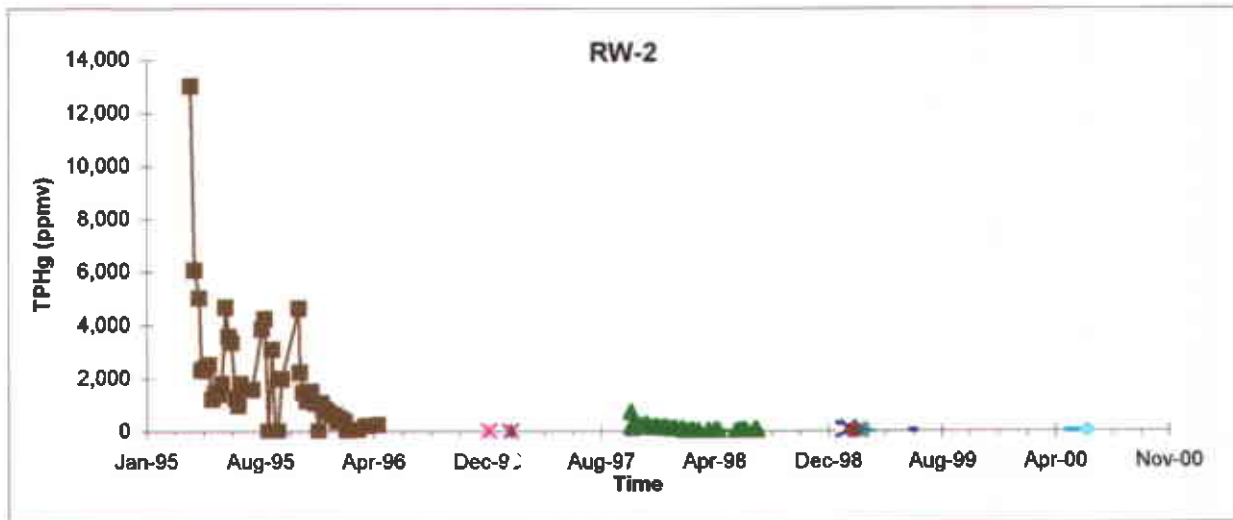
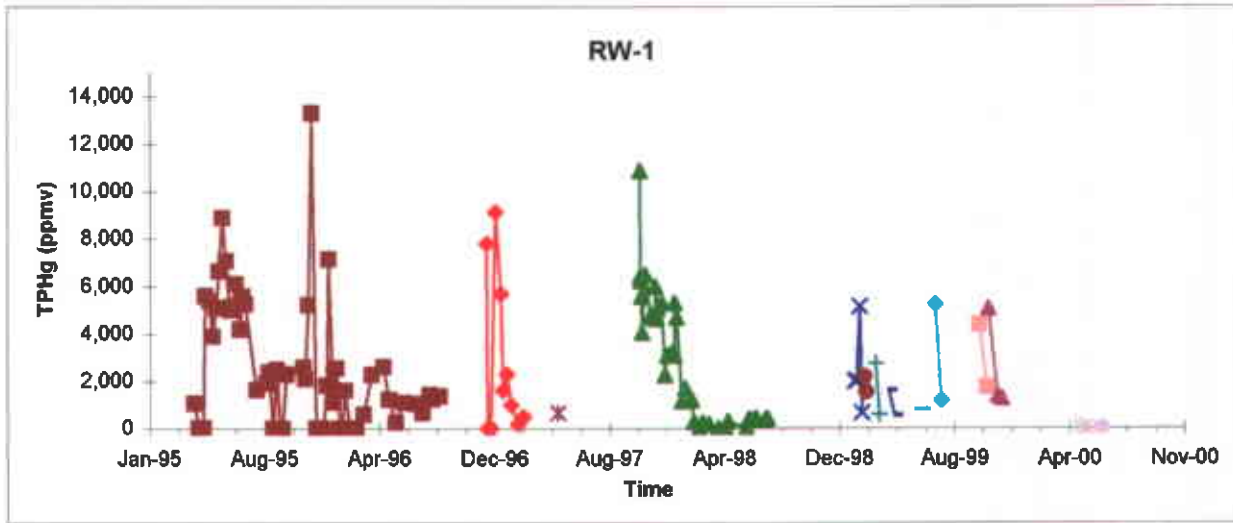
Vapor Extraction System Performance: System Influent Hydrocarbon Concentrations Versus Time

Former Mobil Station 04-H6J, Pleasanton, California

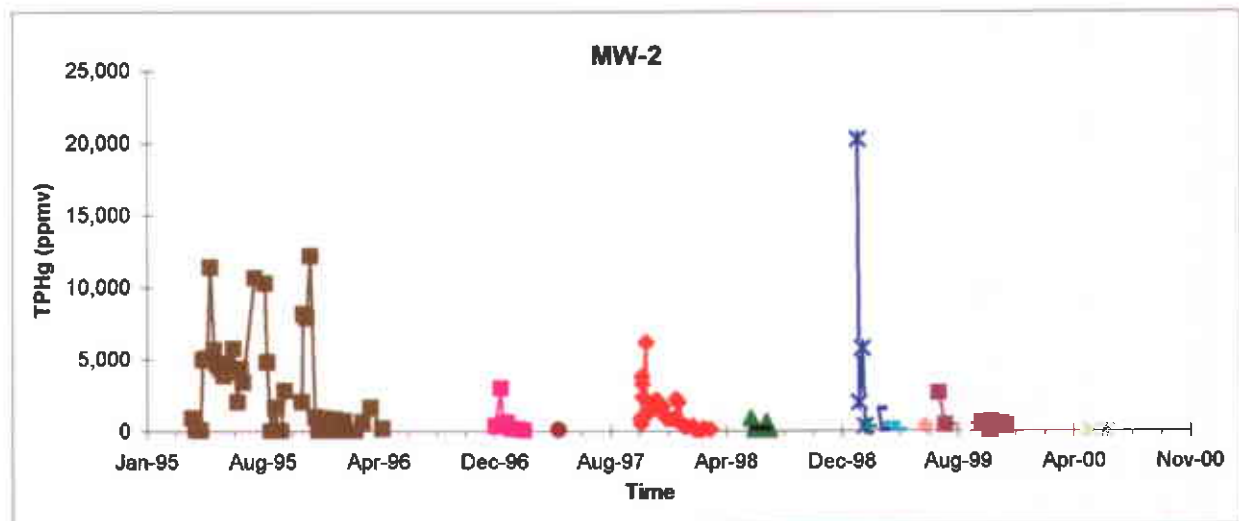
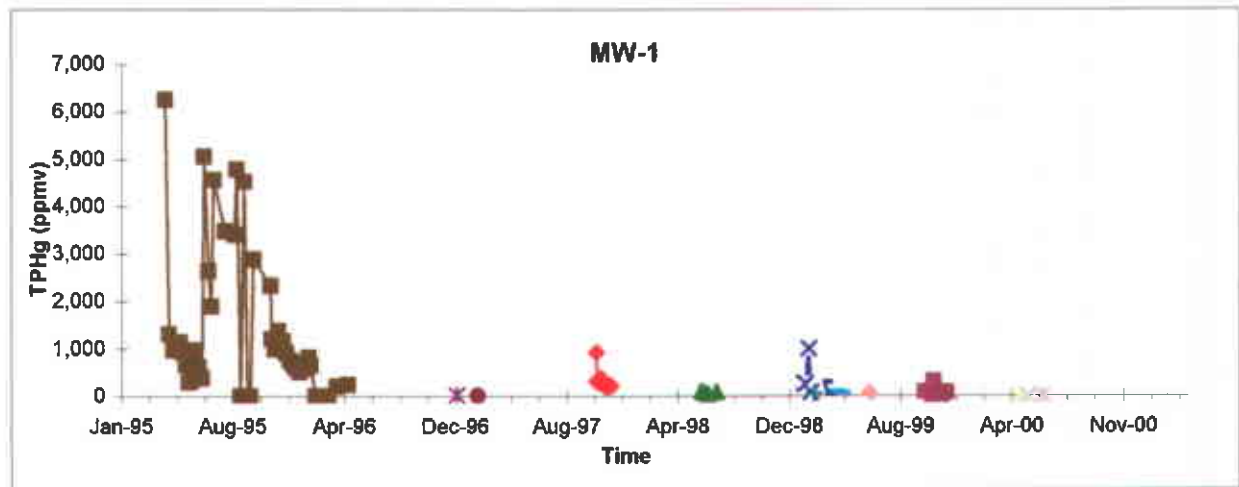
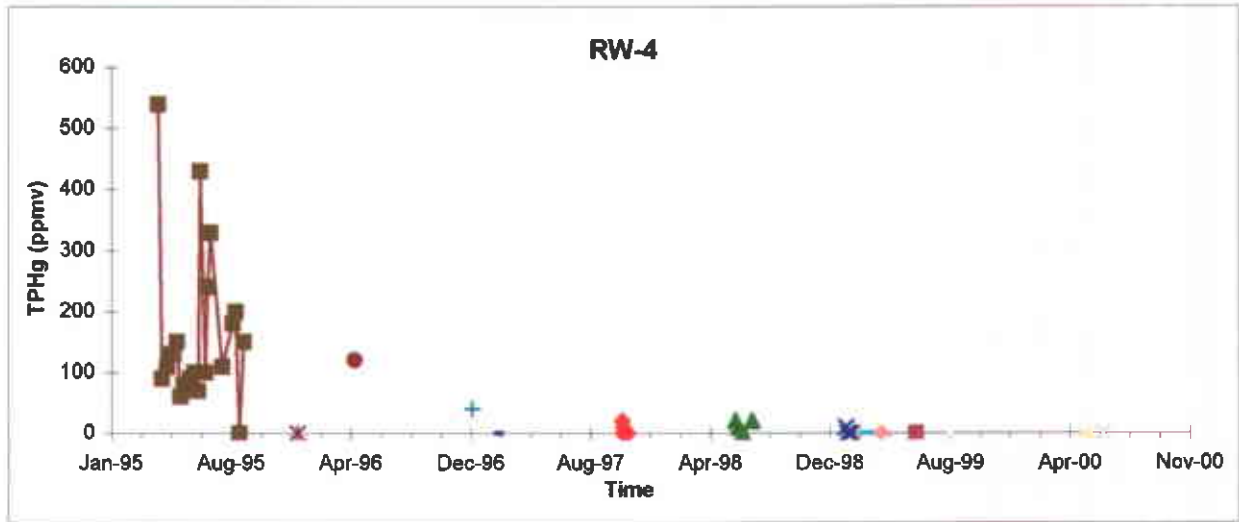


NOTE: Gaps in time prior to 1/5/98 represent periods of system non-operation. Gaps in time since 1/5/98 represent periods of system pulsing to evaluate hydrocarbon response (i.e., rebounding).

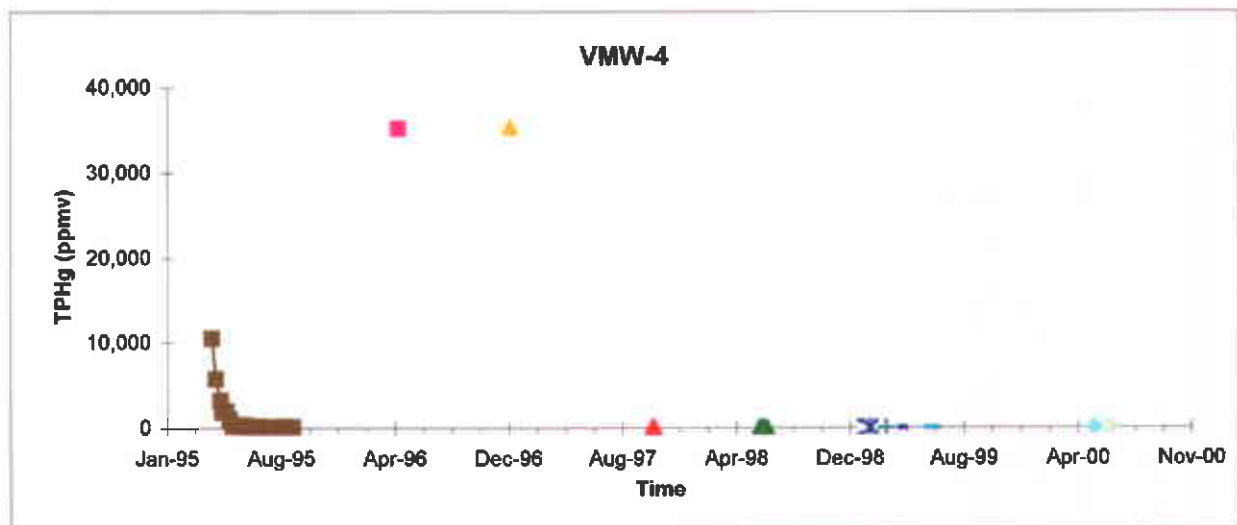
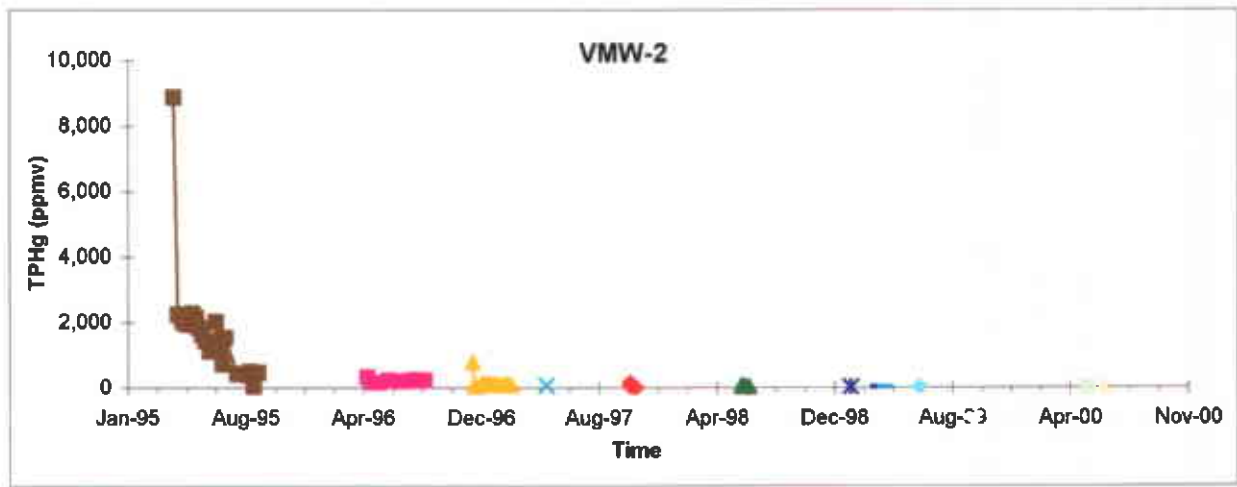
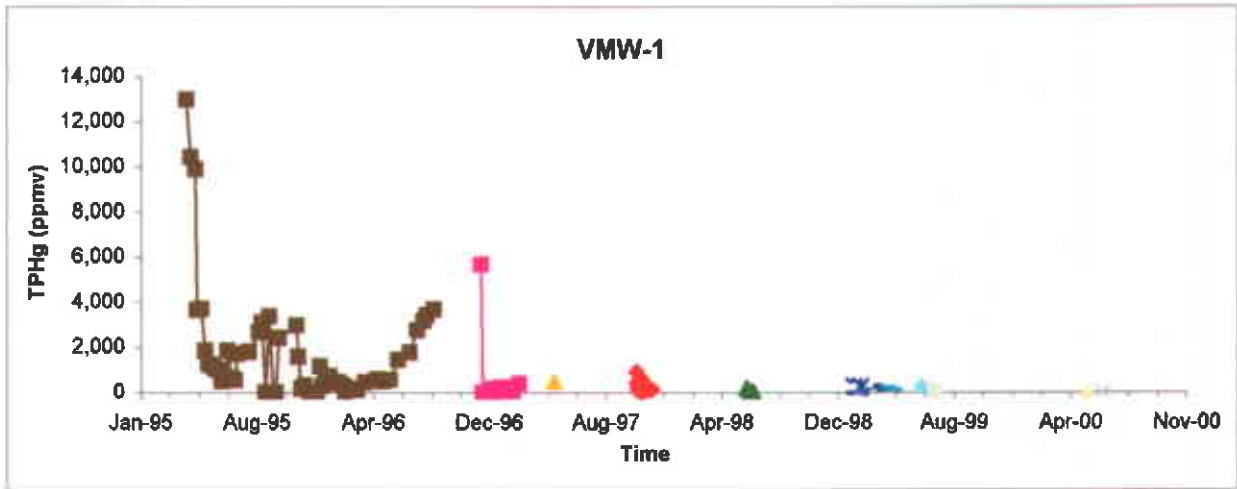
Vapor Extraction System 04-H6J Wellhead TPH Concentrations Over Time



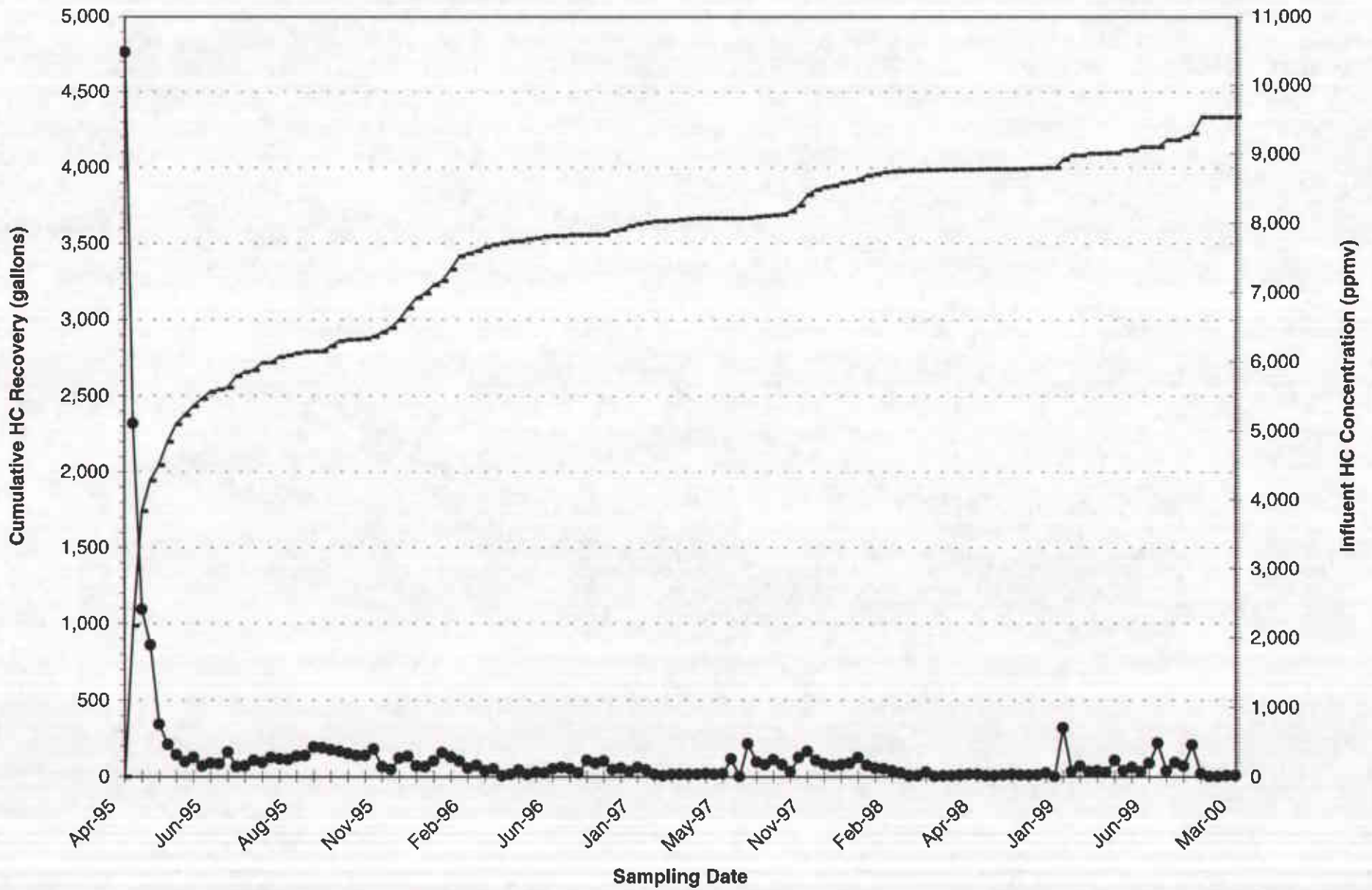
**Vapor Extraction System
04-H6J
Wellhead TPH Concentrations Over Time**



**Vapor Extraction System
04-H6J
Wellhead TPH Concentrations Over Time**



Vapor Extraction System Performance: Hydrocarbon Influent Concentrations and Cumulative Hydrocarbons Extracted



Cumulative HC Recovery (gallons)

 Influent HC Concentration (ppmv)

Cost of VES System Operation Per Gallon of Hydrocarbon Recovered

