

August 2, 1999

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Mr. Scott Seery  
Alameda County Environmental Health Department  
Environmental Protection Division  
1131 Harbor Bay Parkway, Room 250  
Alameda, California 94502

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

Alton Project No. 30-0065

Dear Mr. Seery:

Please find enclosed the Second Quarter 1999 Progress Report for the subject location, prepared for Mobil Business Resources Corporation by Alton Geoscience. The contents of this report include:

Quarterly Progress Report Summary Sheet

- Exhibit 1: Sampling Schedule
- Exhibit 2: Summary of Groundwater Levels and Chemical Analysis
- Exhibit 3: Figures 1 through 3 (Vicinity Map, Groundwater Elevation Contour Map, and Dissolved-Phase Benzene Concentrations)
- Exhibit 4: Benzene Versus Groundwater Elevation Graphs
- Exhibit 5: Vapor Extraction System Performance Table
- Exhibit 6: Groundwater Remediation Performance Table
- Exhibit 7: Well Purging and Groundwater Sampling Protocol
- Exhibit 8: Monitoring Well Sampling Forms
- Exhibit 9: Analytical Laboratory Data Sheets

Should you have any questions regarding this report, please call either Ms. Cherine Foutch, Mobil Engineer, at (925) 625-1173, or Chris Dennis at (925) 688-2463.

Sincerely,



Christopher B. Dennis  
Project Geologist

cc: Ms. Cherine Foutch, Mobil Business Resources Corporation  
Mr. Chuck Headlee, Regional Water Quality Control Board, San Francisco Bay Region  
Mr. Gary Lee, Pleasanton Department of Public Works  
Mr. Matt Katen, Alameda County Flood Control and Water Conservation District  
Mount Diablo National Bank

Alton Geoscience

Quarterly Progress Report Summary Sheet  
Second Quarter 1999

**Mobil Service Station 04-H6J**  
**1024 Main Street**  
**Pleasanton, California**

CRWQCB Case # N/A  
BAAQMD # 14053  
DSRSD sewer discharge permit # 95010

Number of water zones:		1	This Page	1
<b>FIELD ACTIVITY:</b>		Date Sampled:		27-May-99
Number of ground water wells on-site:	16	Groundwater Wells monitored:	16	
Number of ground water wells off-site:	3	Groundwater Wells sampled:	8	
Phase of Investigation: Vadose Zone:	Post-Remediation Monitoring	Groundwater Wells with Free Product:	0	
		Groundwater Phase:	Post-Remediation Monitoring	
<b>SITE HYDROGEOLOGY:</b>				
Approximate depth to ground water below ground surface:		37.43 ft		
Approximate elevation of potentiometric surface above Mean Sea Level:		310.59 ft		
Average Increase/Decrease in ground water elevations since last sampling episode:		Decrease:	0.27 ft	
Approximate flow direction and hydraulic gradient:		east at 0.20 ft/ft		
<b>GROUND WATER CONTAMINATION (BENZENE MCL=1.0 ppb):</b>				
Wells containing free product:	0	Range in Thickness of Free Product	N/A	
Number of wells with concentrations below MCL:	4	Volume of Free Product Recovered This Period:	0	
Number of wells with concentrations at or above MCL:	4	Volume of Free Product Recovered To Date:	0	
Nature of contamination:	Gasoline	Range in Concentrations:	Benzene: ND<0.3 to 1,400 ppb TPH-G: ND<50 to 23,000 ppb	
<b>GROUND WATER REMEDIATION PERFORMANCE</b>				
Technology used:		Pump & treat w/ air stripper	Date Started: 5-May-95	
Amount of Groundwater Extracted This Quarter(gallons):	930	Number of Wells Extracting Ground Water:	4 (RW-1 through RW-4)	
Total Amount of Groundwater Extracted (gallons):	3,850,050	Carbon Change:	0	
Operating days this quarter:	13			
Total operating Days:	660			
<b>VAPOR EXTRACTION PERFORMANCE</b>				
Technology used:		Blower & Carbon	Date Started: 4-Apr-95	
Number of vapor wells onsite:	9	Maximum influent Concentration (ppmv):	2,080 ppmv	
Number of vapor extraction wells open:	5	Maximum Diluted Influent Concentration (ppmv):	480 ppmv	
Operating Days this quarter:	13	Mass of hydrocarbons removed this quarter:	32.1 gals.	
Total operating Days:	637	Cumulative mass of hydrocarbons removed:	[REDACTED]	
		Operating Mode:	Blower & Carbon	
		Conversion Date (changeover to carbon):	6/30/98	
<b>ADDITIONAL INFORMATION:</b>				
The soil vapor extraction system (VES) was turned off April 29, 1998, and the groundwater ARS was turned off July 13, 1998, due to low hydrocarbon concentrations.				
Since shutdown, pulse testing has been conducted.				
Groundwater samples were collected in accordance with the RWQCB guidelines for no-purge groundwater sampling.				

Prepared by: C.B. Dennis

Christopher B. Dennis  
Project Geologist

Alton Project No: 30-0065

Approved by: Tracy L. Walker  
California RG #6808

Tracy L. Walker, RG  
Associate

Date Submitted: 8/2/99



**EXHIBIT 1**  
**SAMPLING SCHEDULE**

1999 MONITORING WELL SAMPLING SCHEDULE  
Former Mobil Station 04-H6J

Well Number	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
MW-1	X	X	X	X
MW-2	X	X	X	X
MW-3*				
MW-4	X	X	X	X
MW-5*				
MW-6	X	X	X	X
MW-7*				
MW-8*				
MW-10				
MW-11	X			
MW-12	X			
RW-1	X	X	X	X
RW-2	X	X	X	X
RW-3	X	X	X	X
RW-4	X	X	X	X
VMW-1*				
VMW-2*				
VMW-3*				
VMW-4*				
<p>NOTES: X = well scheduled for sampling * = well historically dry; screened above water table</p>				

**EXHIBIT 2**

**GROUNDWATER LEVELS AND CHEMICAL ANALYSIS**

## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing				Depth to Groundwater				Ethyl- benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Product Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)					
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	40.68	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

## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing				Product				Depth to Groundwater				
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
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	—	—	—	—	—	—	—	—	—	—
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-3	04/12/90	347.97	0.00	23.18	324.79	2,100	—	32	56	31	170	—	—	—

## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				Ethyl- Total MTBE MTBE Dissolved								
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	benzene (ppb)	Xylenes (ppb)	8020 (ppb)	8260 (ppb)	Oxygen (mg/L)
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-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	—	—	—



## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Thickness (feet)	Water (feet)											
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	—	—	
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-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	—	—	—	—	—	—	—	—	—	

## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				Chemical Analysis								
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
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-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	—	—	—

## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing				Depth to Groundwater				Ethyl- benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Product Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)					
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	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	—	—
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-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	—	—	—	—	—	—	—	—	—	—

## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				Chemical Analysis								
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
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-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	—	—	—

## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing				Product				Depth to Groundwater				
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
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	—	—	—	—	—	—	—	—	—	
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-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	—	—	

## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				Ethyl- Total MTBE MTBE Dissolved								
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	benzene (ppb)	Xylenes (ppb)	8020 (ppb)	8260 (ppb)	Oxygen (mg/L)
MW-9 (Abandoned 08/01/94)	07/08/94	348.53	0.00	45.72	302.81	2,600	—	340	82	96	220	—	—	—
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	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	ND	—	—
MW-10	08/12/96	347.95	0.00	38.76	309.19	ND	—	ND	ND	ND	ND	ND	—	—
MW-10	11/08/96	347.95	0.00	40.35	307.60	ND	—	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	ND	—	—
MW-10†	05/13/97	347.95	0.00	38.08	309.87	ND	—	ND	ND	ND	ND	ND	—	—
MW-10†	08/12/97	347.95	0.00	40.97	306.98	ND	—	ND	ND	ND	ND	ND	—	—
MW-10†	10/31/97	347.95	0.00	41.29	306.66	ND	—	ND	ND	ND	ND	ND	—	—
MW-10†	01/21/98	347.95	0.00	41.88	306.07	ND	—	ND	ND	ND	ND	ND	—	—
MW-10†	04/24/98	347.95	0.00	37.06	310.89	ND	—	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	ND	—	0.96
MW-10†	10/21/98	347.95	0.00	42.39	305.56	ND	—	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-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	—	—	—

## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				Chemical Analysis								
		Elevation (feet)	Product Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
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	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	—	—
MW-11	05/17/96	347.56	0.00	34.39	313.17	ND	—	ND	ND	ND	ND	ND	—	—
MW-11	08/12/96	347.56	0.00	35.64	311.92	ND	—	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-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	—	—

## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				Chemical Analysis								
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
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
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	—	—	—	—	—	—	—	—	—	—
VMW-2	11/30/93	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-2	01/27/94	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—



## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Product Thickness (feet)	Water (feet)											
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-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	—	—	—	—	—	—	—	—	—	

## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Product Thickness (feet)	Water (feet)											
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-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	—	—	—	—	—	—	—	—	—	—	
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	—	—	—	—	—	—	—	—	—	—	
RW-1	11/30/93	347.89	Trace	37.75	310.14	—	—	—	—	—	—	—	—	—	
RW-1	01/27/94	347.89	Trace	42.00	305.89	—	—	—	—	—	—	—	—	—	

## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Product Thickness (feet)	Water (feet)											
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-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	—	—	

## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				Ethyl- Total MTBE MTBE Dissolved								
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	benzene (ppb)	Xylenes (ppb)	8020 (ppb)	8260 (ppb)	Oxygen (mg/L)
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-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	—	—	—
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-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	—	—

## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Thickness (feet)	Water (feet)											
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	

### 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	—	—	—	—	—	—	—	—	—

## Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				Ethyl- Total MTBE MTBE Dissolved								
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	benzene (ppb)	Xylenes (ppb)	8020 (ppb)	8260 (ppb)	Oxygen (mg/L)
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	—	—	—
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	—	—	—	—	—	—	—	—	—

## Summary of Groundwater Levels and Chemical Analysis

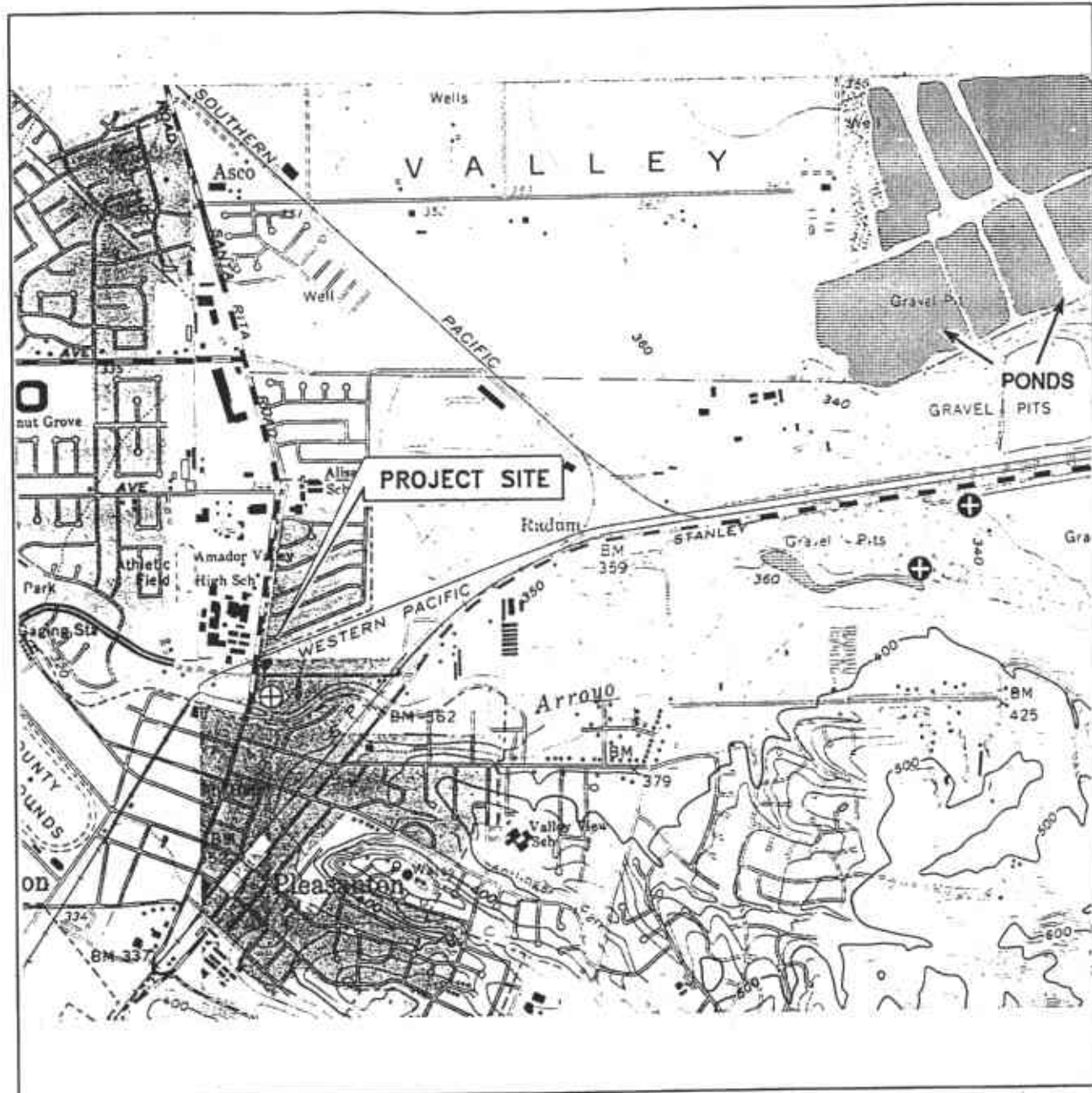
Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				Ethyl- Total MTBE MTBE Dissolved								
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	benzene (ppb)	Xylenes (ppb)	8020 (ppb)	8260 (ppb)	Oxygen (mg/L)
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:**

ppb = parts per billion  
 mg/L = milligrams per liter  
 TPH-G = total petroleum hydrocarbons as gasoline  
 TPH-D = total petroleum hydrocarbons as diesel  
 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 Kaprealian Engineering at former Unocal Station #0543;  
 resurveyed by Kier & Wright Civil Engineers & Surveyors, Inc. on 9/20/93.  
 † = sampled using no-purge method



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








**FIGURE 1**



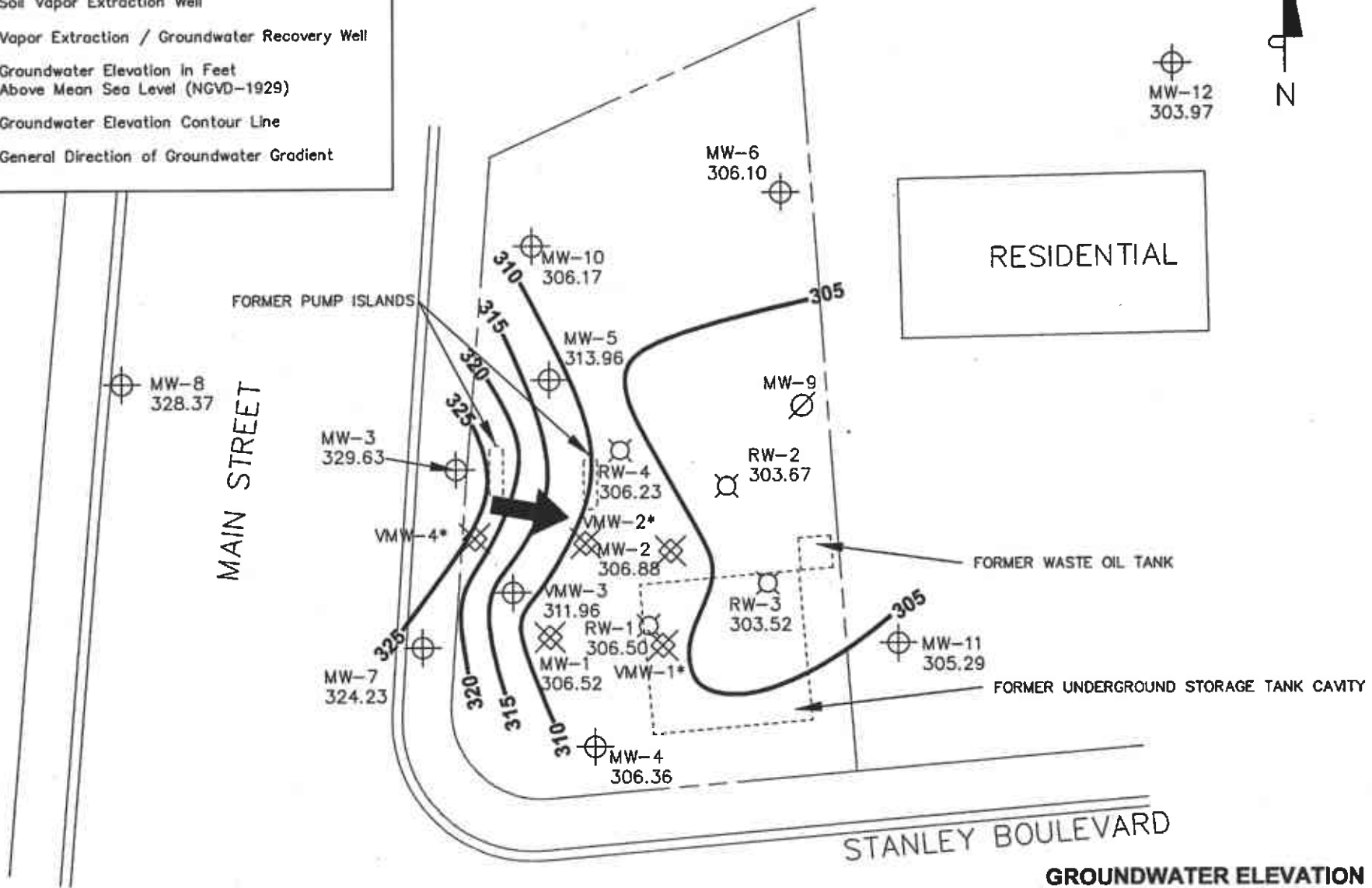
**ALTON  
GEOSCIENCE**  
Northern California



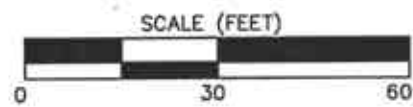
**LEGEND**

- MW-10  Groundwater Monitoring Well
- MW-9  Abandoned Well
- VMW-4  Soil Vapor Extraction Well
- RW-3  Vapor Extraction / Groundwater Recovery Well
- 306.36  Groundwater Elevation in Feet Above Mean Sea Level (NGVD-1929)
- 320  Groundwater Elevation Contour Line
-  General Direction of Groundwater Gradient

MW-12  
303.97

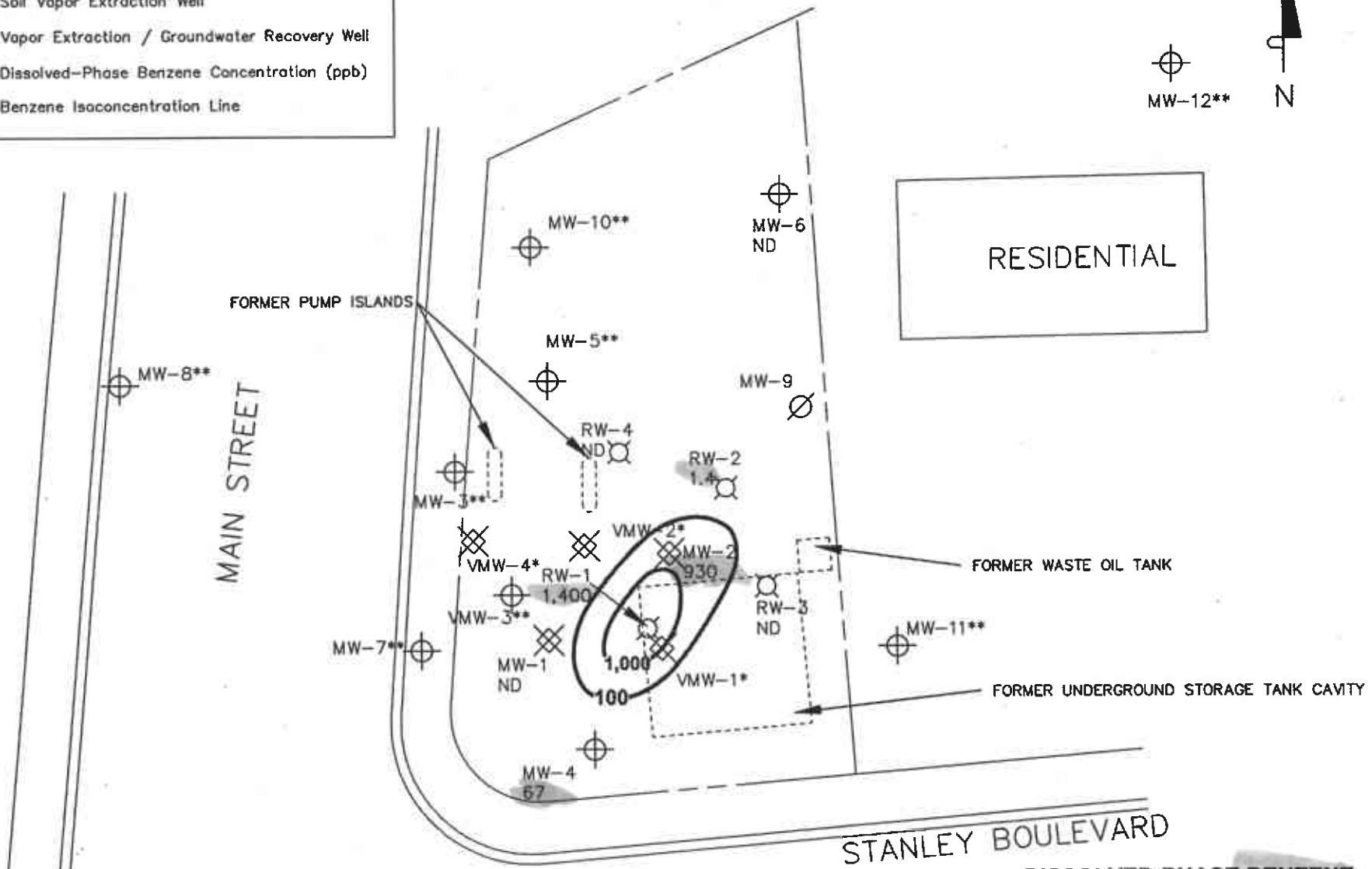
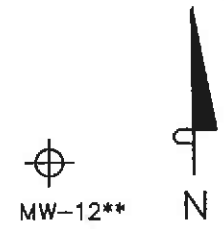


**NOTES:**  
 Contour lines are interpretive based on fluid-level measurements collected May 27, 1999.  
 Contour interval = 5 feet. \* = dry well.



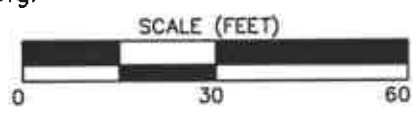
**GROUNDWATER ELEVATION  
 CONTOUR MAP  
 May 27, 1999**  
 Former Mobil Station 04-H6J  
 1024 Main Street  
 Pleasanton, California  
**FIGURE 2**

LEGEND	
MW-10	⊕ Groundwater Monitoring Well
MW-9	⊘ Abandoned Well
VMW-4	⊗ Soil Vapor Extraction Well
RW-3	⊙ Vapor Extraction / Groundwater Recovery Well
1,400	Dissolved-Phase Benzene Concentration (ppb)
— 100 —	Benzene Isoconcentration Line



NOTES:  
 Results are based on laboratory analysis of groundwater samples collected May 27, 1999. ppb = parts per billion; ND = not detected at or above method detection limit. \* = dry well; not sampled; \*\* = well not scheduled for sampling.

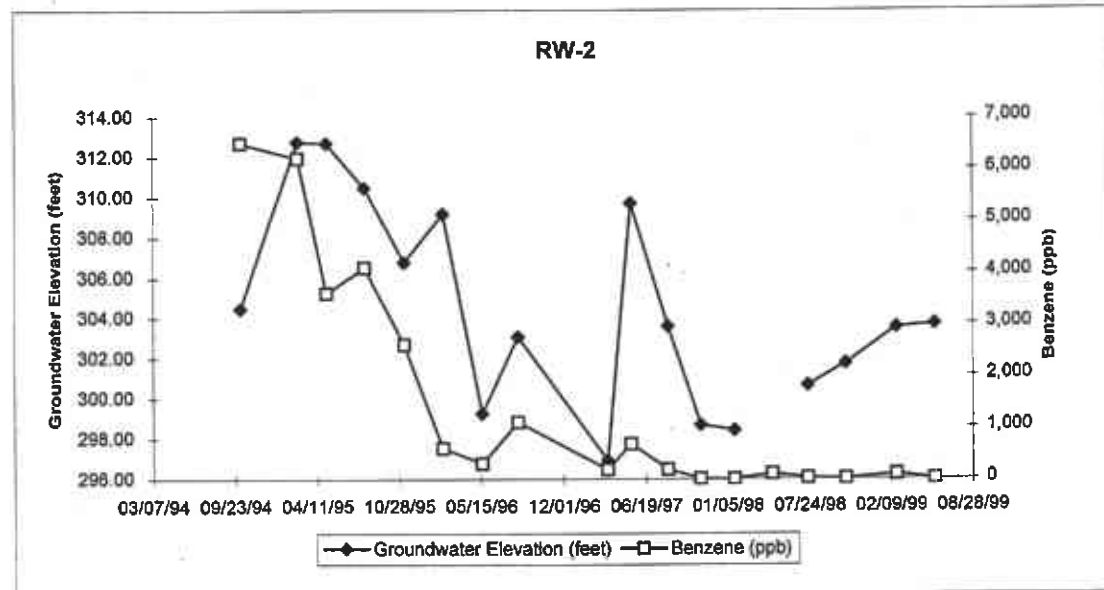
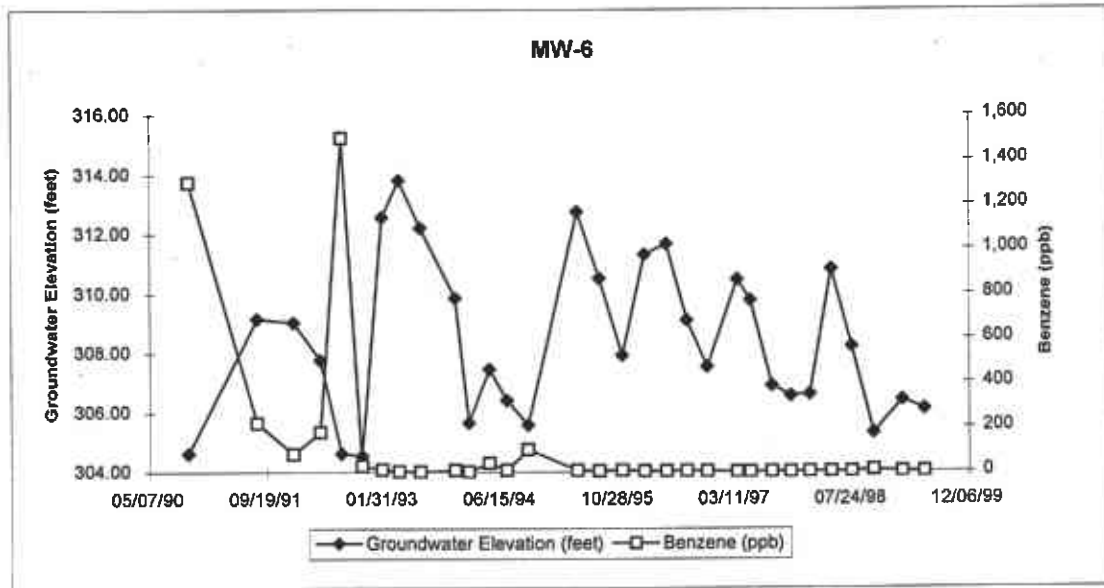
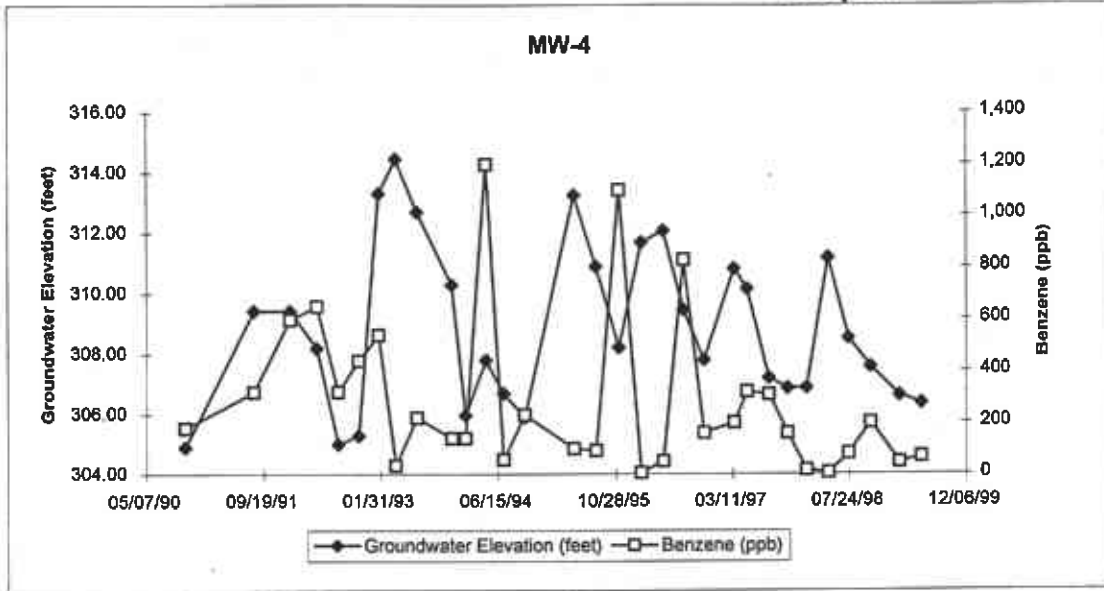
**DISSOLVED-PHASE BENZENE CONCENTRATIONS**  
**May 27, 1999**  
 Former Mobil Station 04-H6J  
 1024 Main Street  
 Pleasanton, California  
**FIGURE 3**



**EXHIBIT 4**

**BENZENE VERSUS GROUNDWATER ELEVATION GRAPHS**

## Benzene vs. Groundwater Elevation Graphs



NOTE: ND values are plotted as zero.

**EXHIBIT 5**

**VAPOR EXTRACTION SYSTEM PERFORMANCE TABLE**

Vapor Extraction System Monitoring  
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 (cfm)	Vacuum Reading at Well Header (in. H2O)	Inlet Temp. (deg F)	Total Well TPH-G Conc. (ppmv)	Influent TPH-G Conc. Total Well + Air Stripper (ppmv)		Effluent TPH-G Conc. (ppmv)		Effluent Benzene Conc. (ppmv)	Mass Emission TPH-G (lbs/day)	Mass Emission Benzene (lbs/day)	Outlet 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	0.0008	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	95	597	1,890	1,890	390	0	2.8	<0.016	0.4659	0.0020	710	201.8	1943.6	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	601	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	230	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	660	420	280	0	<2.3	0.029	0.4828	0.0045	683	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	86	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%	692	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	

Vapor Extraction System Monitoring  
Former Mobil Station O4-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 (cfm)	Vacuum Reading at Well Header (in. H2O)	Inlet Temp. (deg F)	Total Well TPH-G Conc. (ppmv)	Influent TPH-G Conc. Total Well + Air Stripper (ppmv)		Effluent TPH-G Conc. (ppmv)		Effluent Benzene Conc. (ppmv)	Mass Emission TPH-G (lbs/day)	Mass Emission Benzene (lbs/day)	Outlet Temp. (deg F)	HC Recovery Per Period (gallons)	Cumulative HC Recovery (gallons)	Destruction Efficiency TPH-G (%)
								Field	Lab	Field	Lab							
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	
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	
8/5/96	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	160	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	240		0					NA	5.2	3684.1	100.0
10/23/97	NA	24	100%	367	46	NA	260	240		0					NA	5.6	3689.7	100.0
10/24/97	NA	24	100%	385	50	NA	220	170		0					NA	4.9	3694.6	100.0
10/31/97	NA	168	100%	369	48	NA	202	70		0					NA	20.2	3714.8	100.0
11/11/97	NA	264	100%	260	87	NA	620	270		0					NA	37.5	3752.3	100.0
11/26/97	NA	360	100%	207	100	NA	1,950	360		0					NA	70.3	3822.6	100.0
12/4/97	NA	216	113%	203	100	NA	1,180	230		0					NA	34.7	3857.3	100.0
12/11/97	NA	168	100%	200	100	NA	900	180		0					NA	18.4	3875.7	100.0
12/15/97	NA	96	100%	172	100	NA	850	150		0					NA	7.8	3883.5	100.0
12/26/97	NA	264	100%	170	100	NA	850	170		0					NA	19.2	3902.7	100.0
12/31/97	NA	120	100%	170	100	NA	840	190		0					NA	9.8	3912.4	100.0

Vapor Extraction System Monitoring  
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 (cfm)	Vacuum Reading at Well Header (in. H2O)	Inlet Temp. (deg F)	Total Well TPH-G Conc. (ppmv)	Influent TPH-G Conc. Total Well + Air Stripper (ppmv)		Effluent TPH-G Conc. (ppmv)		Effluent Benzene Conc. (ppmv)	Mass Emission TPH-G (lbs/day)	Mass Emission Benzene (lbs/day)	Outlet Temp. (deg F)	HC Recovery Per Period (gallons)	Cumulative HC Recovery (gallons)	Destruction Efficiency TPH-G (%)
								Field	Lab	Field	Lab							
1/5/98	NA	120	100%	184	100	NA	1,125	270		0				NA	12.2	3924.7	100.0	
1/16/98	NA	264	100%	177	100	NA	700	180		0				NA	25.7	3950.4	100.0	
1/22/98	NA	144	100%	190	100	NA	610	120		0				NA	9.8	3960.2	100.0	
1/30/98	NA	192	100%	186	100	NA	530	110		0				NA	11.0	3971.2	100.0	
2/5/98	NA	144	100%	183	100	NA	300	80		0				NA	6.3	3977.6	100.0	
2/9/98	NA	96	100%	158	100	NA	150	50		0				NA	2.6	3980.2	100.0	
2/20/98	NA	264	100%	148	100	NA	10	10		0				NA	3.2	3983.4	100.0	
2/27/98	NA	168	100%	153	100	NA	60	10		0				NA	0.7	3984.1	100.0	
3/5/98	NA	144	100%	146	100	NA	150	60		0				NA	2.0	3986.1	100.0	
3/12/98	NA	168	100%	145	100	NA	50	0		0				NA	1.9	3988.0	100.0	
3/20/98	NA	192	100%	151	100	NA	100	10		0				NA	0.4	3988.4	100.0	
3/27/98	NA	168	100%	150	100	NA	120	10		0				NA	0.7	3989.1	100.0	
4/1/98	NA	120	100%	143	100	NA	130	20		0				NA	0.7	3989.8	100.0	
4/6/98	NA	120	100%	NA	100	NA	180	30		0				NA	0.6	3990.3	100.0	
4/16/98	NA	240	100%	155	100	NA	170	30		0				NA	1.5	3991.8	100.0	
4/22/98	NA	144	100%	154	100	NA	30	10		0				NA	1.2	3993.0	100.0	
4/30/98	NA	192	100%	149	100	NA	50	10		0				NA	0.8	3993.8	100.0	
5/29/98	NA	0	0%	NA	NA	NA	NA	20		0				NA	0.0	3993.8	100.0	
6/4/98	NA	0	0%	NA	NA	NA	50	30		0				NA	0.0	3993.8	100.0	
6/11/98	NA	168	100%	317	NA	NA	20	20		0				NA	1.8	3995.6	100.0	
6/18/98	NA	168	100%	227	NA	NA	130	20		0				NA	2.4	3998.0	100.0	
7/7/98	NA	0	0%	306	NA	NA	100	20		0				NA	0.0	3998.0	100.0	
7/13/98	NA	144	100%	225	NA	NA	200	50		0				NA	3.6	4001.5	100.0	
1/6/99	NA	0	0%	408	NA	NA	3,460	2,600		0				NA	0.0	4001.5	100.0	
1/12/99	NA	144	100%	395	NA	NA	120	70		0				NA	205.0	4206.5	100.0	
1/15/99	NA	72	100%	382	NA	NA	120	20		0				NA	3.3	4209.8	100.0	
1/22/99	NA	0	0%	384	NA	NA	110	150		0				NA	0.0	4209.8	100.0	
1/27/99	NA	120	100%	306	NA	NA	NA	70		0				NA	12.1	4221.9	100.0	
2/1/99	NA	0	0%	NA	NA	NA	NA	80		0				NA	0.0	4221.9	100.0	
2/4/99	NA	72	100%	317	NA	NA	110	60		0				NA	2.1	4224.0	100.0	
2/24/99	NA	0	0%	263	NA	NA	650	230		0				NA	0.0	4224.0	100.0	
3/3/99	NA	168	100%	281	NA	NA	230	80		0				NA	18.8	4242.9	100.0	
3/23/99	NA	0	0%	278	NA	NA	470	130		0				NA	0.0	4242.9	100.0	
4/5/99	NA	312	33%	254	NA	NA	130	70		0				NA	32.1	4275.0	100.0	
6/1/99	NA	0	0%	261	NA	NA	NA	190		0				NA	0.0	4275.0	100.0	
6/29/99	NA	0	0%	224	NA	NA	2,080	480		0				NA	0.0	4275.0	100.0	

Total to Date = 14616      39% = Average % Operation

NOTES:

ppmv = parts per million volume  
 cfm = cubic feet per minute  
 HC Recovery Per Period = Hydrocarbons recovered based on weekly field data and an average hydrocarbon density of 6.26 lbs. per gallon  
 HC Destruction Efficiency = Hydrocarbon destruction efficiency based on monthly lab data  
 Total Well TPH-G Conc. = Concentration of total petroleum hydrocarbons as gasoline of soil vapor extracted from all open wells



**EXHIBIT 6**

**GROUNDWATER REMEDIATION PERFORMANCE TABLE**

Table 1  
**Summary of Results of Groundwater Treatment System Monitoring**  
Former Mobil Station O4-H6J

Sample ID	Date of Sampling	Flow Meter Reading (gallons)	Effluent Discharge (gallons)	Average Flow Rate (gpd)	Total Discharged (gallons)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
I-1	04/27/95	640	0	0	0	240	840	44	54	8.0	39
I-1	05/05/95	55,200	54,560	6,820	54,560	--	--	--	--	--	--
I-1	05/12/95	197,540	142,340	20,334	196,900	6,500	790	400	860	92	660
I-1	05/25/95	328,980	131,440	10,111	328,340	--	--	--	--	--	--
I-1	06/01/95	331,090	2,110	301	330,450	--	--	--	--	--	--
I-1	06/08/95	460,730	129,640	18,520	460,090	780	130	82	130	15	140
I-1	06/16/95	590,300	129,570	16,196	589,660	--	--	--	--	--	--
I-1	06/23/95	626,890	36,590	5,227	626,250	--	--	--	--	--	--
I-1	06/28/95	646,240	19,350	3,870	645,600	--	--	--	--	--	--
I-1	07/07/95	646,930	690	77	646,290	--	--	--	--	--	--
I-1	07/13/95	677,120	30,190	5,032	676,480	3,400	1,100	190	370	45	300
I-1	07/18/95	711,770	34,650	6,930	711,130	--	--	--	--	--	--
I-1	07/28/95	831,040	119,270	11,927	830,400	--	--	--	--	--	--
I-1	08/04/95	831,940	900	129	831,300	--	--	--	--	--	--
I-1	08/11/95	897,280	65,340	9,334	896,640	--	--	--	--	--	--
I-1	08/17/95	918,610	21,330	3,555	917,970	--	--	--	--	--	--
I-1	08/28/95	964,370	45,760	4,160	963,730	7,900	2,100	940	1,100	120	1,200
I-1	09/01/95	969,900	5,530	1,383	969,260	--	--	--	--	--	--
I-1	09/07/95	972,180	2,280	380	971,540	5,800	1,300	540	750	51	760
I-1	09/14/95	975,490	3,310	473	974,850	--	--	--	--	--	--
I-1	09/22/95	1,038,540	63,050	7,881	1,037,900	--	--	--	--	--	--
I-1	09/29/95	1,114,830	76,290	10,899	1,114,190	--	--	--	--	--	--
I-1	10/05/95	1,133,030	18,200	3,033	1,132,390	--	--	--	--	--	--
I-1	10/12/95	1,139,200	6,170	881	1,138,560	2,700	690	280	470	45	270
I-1	10/23/95	1,169,390	30,190	2,745	1,168,750	--	--	--	--	--	--
I-1	11/10/95	1,169,390	0	0	1,168,750	--	--	--	--	--	--
I-1	11/17/95	1,171,890	2,500	357	1,171,250	4,900	1,200	450	680	55	500
I-1	11/20/95	1,221,950	50,060	16,687	1,221,310	--	--	--	--	--	--
I-1	11/27/95	1,295,450	73,500	10,500	1,294,810	--	--	--	--	--	--
I-1	12/04/95	1,400,780	105,330	15,047	1,400,140	2,300	380	290	510	27	230
I-1	12/14/95	1,501,930	101,150	10,115	1,501,290	--	--	--	--	--	--
I-1	12/21/95	1,608,890	106,960	15,280	1,608,250	--	--	--	--	--	--
I-1	12/29/95	1,632,530	23,640	2,955	1,631,890	--	--	--	--	--	--
I-1	01/05/96	1,690,780	58,250	8,321	1,690,140	--	--	--	--	--	--
I-1	01/08/96	1,735,880	45,100	15,033	1,735,240	3,000	520	250	600	46	440
I-1	01/18/96	1,865,520	129,640	12,964	1,864,880	--	--	--	--	--	--
I-1	01/25/96	1,886,830	21,310	3,044	1,886,190	--	--	--	--	--	--
I-1	02/02/96	2,014,240	127,410	15,926	2,013,600	--	--	--	--	--	--
I-1	02/07/96	2,027,770	13,530	2,706	2,027,130	1,800	860	38	75	9.6	110
I-1	02/12/96	2,027,950	180	36	2,027,310	--	--	--	--	--	--
I-1	02/22/96	10	0	0	2,027,310	--	--	--	--	--	--
I-1	02/29/96	14,090	14,080	2,011	2,041,390	--	--	--	--	--	--
I-1	03/06/96	23,260	9,170	1,528	2,050,560	25,000	3,400	5,400	5,400	360	3,500
I-1	03/14/96	34,660	11,400	1,425	2,061,960	--	--	--	--	--	--
I-1	03/22/96	46,300	11,640	1,455	2,073,600	--	--	--	--	--	--
I-1	04/08/96	54,120	7,820	460	2,081,420	10,000	2,000	690	1,500	120	930

Table 1  
**Summary of Results of Groundwater Treatment System Monitoring**  
 Former Mobil Station O4-H6J

Sample ID	Date of Sampling	Flow Meter Reading (gallons)	Effluent Discharge (gallons)	Average Flow Rate (gpd)	Total Discharged (gallons)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)
I-1	05/02/96	54,840	720	30	2,082,140	--	--	--	--	--	--
I-1	05/14/96	139,900	85,080	7,088	2,167,200	4,400	840	330	820	53	580
I-1	05/28/96	251,390	111,490	7,964	2,278,690	--	--	--	--	--	--
I-1	06/14/96	264,690	13,300	782	2,291,990	1,200	330	170	16	51	120
I-1	07/08/96	295,770	31,080	1,295	2,323,070	150	65	3.7	4.4	0.60	6.7
I-1	07/25/96	298,890	3,120	184	2,326,190	--	--	--	--	--	--
I-1	08/08/96	300,120	1,230	88	2,327,420	--	--	--	--	--	--
I-1	08/12/96	302,120	2,000	500	2,329,420	890	190	110	190	14	120
I-1	08/27/96	303,730	1,610	107	2,331,030	--	--	--	--	--	--
I-1	09/13/96	311,780	8,050	474	2,339,080	--	--	--	--	--	--
I-1	10/04/96	311,780	0	0	2,339,080	--	--	--	--	--	--
I-1	11/08/96	311,780	0	0	2,339,080	--	--	--	--	--	--
I-1	12/02/96	311,780	0	0	2,339,080	--	--	--	--	--	--
I-1	12/06/96	337,540	25,760	6,440	2,364,840	630	160	48	120	8.9	69
I-1	01/07/97	512,070	174,530	5,454	2,539,370	2,800	310	210	540	35	330
I-1	01/15/97	553,950	41,880	5,235	2,581,250	--	--	--	--	--	--
I-1	01/24/97	594,490	40,540	4,504	2,621,790	--	--	--	--	--	--
I-1	02/07/97	626,600	32,110	2,294	2,653,900	5,300	720	480	1,300	440	640
I-1	02/19/97	687,340	60,740	5,062	2,714,640	--	--	--	--	--	--
I-1	03/04/97	695,030	7,690	592	2,722,330	--	--	--	--	--	--
I-1	03/12/97	705,530	10,500	1,313	2,732,830	3,700	740	380	1,000	61	560
I-1	04/01/97	705,530	0	0	2,732,830	--	--	--	--	--	--
I-1	05/02/97	705,530	0	0	2,732,830	--	--	--	--	--	--
I-1	05/07/97	707,770	2,240	448	2,735,070	--	--	--	--	--	--
I-1	05/14/97	708,080	310	44	2,735,380	--	--	--	--	--	--
I-1	07/29/97	708,860	780	10	2,736,160	2,100	170	240	440	21	240
I-1	10/01/97	708,860	0	0	2,736,160	--	--	--	--	--	--
I-1	10/20/97	708,860	0	0	2,736,160	3,400	11,000	470	840	42	390
I-1	10/31/97	783,000	74,140	6,740	2,810,300	--	--	--	--	--	--
I-1	11/05/97	817,960	34,960	6,992	2,845,260	--	--	--	--	--	--
I-1	11/11/97	854,790	36,830	6,138	2,882,090	920	320	34	97	12	150
I-1	11/21/97	917,210	62,420	6,242	2,944,510	--	--	--	--	--	--
I-1	11/25/97	944,770	27,560	6,890	2,972,070	--	--	--	--	--	--
I-1	12/04/97	989,710	44,940	4,993	3,017,010	--	--	--	--	--	--
I-1	12/11/97	1,023,640	33,930	4,847	3,050,940	ND	ND	ND	ND	ND	ND
I-1	12/15/97	1,042,420	18,780	4,695	3,089,720	--	--	--	--	--	--
I-1	12/31/97	1,106,010	63,590	3,974	3,133,310	--	--	--	--	--	--
I-1	01/06/98	1,127,130	21,120	3,520	3,154,430	1,000	630	24	58	5.2	170
I-1	01/16/98	1,171,800	44,670	4,467	3,199,100	--	--	--	--	--	--
I-1	01/22/98	1,195,970	24,170	4,028	3,223,270	--	--	--	--	--	--
I-1	01/30/98	1,229,990	34,020	4,253	3,257,290	--	--	--	--	--	--
I-1	02/05/98	1,253,850	23,860	3,977	3,281,150	570	340	19	54	5.4	95
I-1	02/09/98	1,273,640	19,790	4,948	3,300,940	--	--	--	--	--	--
I-1	02/20/98	1,326,030	52,390	4,763	3,353,330	--	--	--	--	--	--
I-1	02/27/98	1,365,130	39,100	5,586	3,392,430	--	--	--	--	--	--
I-1	03/05/98	1,394,470	29,340	4,890	3,421,770	--	--	--	--	--	--

Table 1  
**Summary of Results of Groundwater Treatment System Monitoring**  
Former Mobil Station 04-H6J

Sample ID	Date of Sampling	Flow Meter Reading (gallons)	Effluent Discharge (gallons)	Average Flow Rate (gpd)	Total Discharged (gallons)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
I-1	03/12/98	1,429,330	34,860	4,980	3,456,630	1,900	920	96	220	16	280
I-1	03/20/98	1,468,420	39,090	4,886	3,495,720	--	--	--	--	--	--
I-1	03/27/98	1,499,700	31,280	4,469	3,527,000	--	--	--	--	--	--
I-1	04/01/98	1,522,760	23,060	4,612	3,550,060	910	550	47	94	5.6	160
I-1	04/06/98	1,522,980	220	44	3,550,280	--	--	--	--	--	--
I-1	04/16/98	1,566,740	43,760	4,376	3,594,040	--	--	--	--	--	--
I-1	04/22/98	1,593,240	26,500	4,417	3,620,540	--	--	--	--	--	--
I-1	04/29/98	1,624,180	30,940	4,420	3,651,480	--	--	--	--	--	--
I-1	05/11/98	1,668,000	43,820	3,652	3,695,300	--	--	--	--	--	--
I-1	05/19/98	1,694,940	26,940	3,368	3,722,240	240	ND	19	38	3.2	43
I-1	05/29/98	1,732,330	37,390	3,739	3,759,630	--	--	--	--	--	--
I-1	06/11/98	1,785,020	52,690	4,053	3,812,320	570	ND	22	57	4.8	91
I-1	06/18/98	1,816,620	31,600	4,514	3,843,920	--	--	--	--	--	--
I-1	07/07/98	1,816,690	70	4	3,843,990	--	--	--	--	--	--
I-1	07/13/98	1,818,690	2,000	333	3,845,990	9,200	6,600	310	230	8	1,600
I-1	08/02/98	1,818,690	0	0	3,845,990	--	--	--	--	--	--
I-1	08/30/98	1,818,690	0	0	3,845,990	--	--	--	--	--	--
I-1	09/30/98	1,818,690	0	0	3,845,990	--	--	--	--	--	--
I-1	10/31/98	1,818,690	0	0	3,845,990	--	--	--	--	--	--
I-1	11/30/98	1,818,690	0	0	3,845,990	--	--	--	--	--	--
I-1	12/30/98	1,818,690	0	0	3,845,990	--	--	--	--	--	--
I-1	01/06/99	1,818,690	0	0	3,845,990	--	--	--	--	--	--
I-1	01/12/99	1,819,320	630	105	3,846,620	--	--	--	--	--	--
I-1	01/22/99	1,819,380	60	6	3,846,680	--	--	--	--	--	--
I-1	01/27/99	1,819,380	0	0	3,846,680	3,400	4,500	58	72	12	310
I-1	02/01/99	1,820,180	800	160	3,847,480	--	--	--	--	--	--
I-1	02/04/99	1,820,670	490	163	3,847,970	--	--	--	--	--	--
I-1	02/24/99	1,820,670	0	0	3,847,970	15,000	7,300	1,300	52	2,900	2,900
I-1	03/03/99	1,821,820	1,150	164	3,849,120	14,000	7,400	490	780	30	2,400
I-1	03/23/99	1,821,820	0	0	3,849,120	--	--	--	--	--	--
I-1	04/05/99	1,822,750	930	72	3,850,050	--	--	--	--	--	--
I-1	05/28/99	1,822,750	0	0	3,850,050	--	--	--	--	--	--
I-1	06/25/99	1,822,750	0	0	3,850,050	--	--	--	--	--	--
E-1	04/27/95	--	--	--	--	ND	87	ND	ND	ND	ND
E-1	05/12/95	--	--	--	--	670	180	3.4	5.8	ND	9.8
E-1	06/08/95	--	--	--	--	ND	ND	0.87	0.92	ND	1.4
E-1	07/13/95	--	--	--	--	ND	110	ND	ND	ND	ND
E-1	08/28/95	--	--	--	--	140	220	2.6	4.4	0.98	6.2
E-1	09/07/95	--	--	--	--	200	290	5.8	6.9	0.77	93
E-1	10/12/95	--	--	--	--	ND	120	ND	ND	ND	ND
E-1	11/17/95	--	--	--	--	93	230	0.73	1.3	ND	1.4
E-1	12/04/95	--	--	--	--	ND	120	ND	ND	ND	ND
E-1	01/08/96	--	--	--	--	110	76	52	11	0.74	9.4
E-1	02/07/96	--	--	--	--	840	470	4.2	7.7	2.1	16
E-1	03/06/96	--	--	--	--	140	420	1.1	0.94	ND	0.59

Table 1  
**Summary of Results of Groundwater Treatment System Monitoring**  
 Former Mobil Station 04-H6J

Sample ID	Date of Sampling	Flow Meter Reading (gallons)	Effluent Discharge (gallons)	Average Flow Rate (gpd)	Total Discharged (gallons)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
E-1	04/08/96	--	--	--	--	340	190	11	7.1	3.5	21
E-1	05/14/96	--	--	--	--	630	330	13	31	3.8	29
E-1	06/14/96	--	--	--	--	ND	79	ND	ND	ND	ND
E-1	07/08/96	--	--	--	--	ND	ND	0.71	ND	ND	ND
E-1	08/12/96	--	--	--	--	73	72	1.7	3.0	ND	27
E-1	12/06/96	--	--	--	--	ND	ND	ND	1.4	ND	0.57
E-1	01/07/97	--	--	--	--	ND	ND	1.4	2.7	ND	2.3
E-1	02/07/97	--	--	--	--	85	80	ND	1.3	ND	0.57
E-1	03/12/97	--	--	--	--	100	170	3.3	5.5	0.63	4.4
E-1	07/29/97	--	--	--	--	160	160	13	28	2.6	15
E-1	10/20/97	--	--	--	--	87	860	0.80	2.6	0.73	3.0
E-1	11/11/97	--	--	--	--	ND	130	ND	ND	ND	ND
E-1	12/11/97	--	--	--	--	ND	ND	ND	ND	ND	ND
E-1	01/06/98	--	--	--	--	ND	270	ND	0.6	ND	2.2
E-1	02/05/98	--	--	--	--	ND	300	0.3	1.0	ND	2.5
E-1	03/12/98	--	--	--	--	ND	390	0.4	0.9	ND	2.0
E-1	04/01/98	--	--	--	--	ND	330	0.6	1.4	ND	2.9
E-1	05/19/98	--	--	--	--	ND	ND	ND	ND	ND	ND
E-1	06/11/98	--	--	--	--	ND	ND	ND	ND	ND	ND
E-1	07/13/98	--	--	--	--	410	3,600	3.1	3.1	1	25.0
E-1	08/02/98	--	--	--	--	--	--	--	--	--	--
E-1	08/30/98	--	--	--	--	--	--	--	--	--	--
E-1	09/30/98	--	--	--	--	--	--	--	--	--	--
E-1	10/31/98	--	--	--	--	--	--	--	--	--	--
E-1	11/30/98	--	--	--	--	--	--	--	--	--	--
E-1	12/30/98	--	--	--	--	--	--	--	--	--	--
E-1	01/27/99	--	--	--	--	ND	2,000	ND	0.3	ND	ND
E-1	02/04/99	--	--	--	--	--	2,100	--	--	--	--
E-1	02/25/99	--	--	--	--	ND	--	ND	0.6	0	0.8
E-1	03/03/99	--	--	--	--	110	4,000	0.8	ND	1	6.4
E-1	04/05/99	--	--	--	--	ND	--	ND	ND	ND	ND
E-1	04/23/99	--	--	--	--	--	ND	--	--	--	--
E-1	05/28/99	--	--	--	--	--	--	--	--	--	--
E-1	06/25/99	--	--	--	--	--	--	--	--	--	--

Total Effluent Discharged to Date: 3,850,050 gallons

NOTES:      ppb = parts per billion      I-1 = influent  
 TPH-G = total petroleum hydrocarbons as gasoline      E-1 = effluent from air stripper  
 ND = not detected at or above method detection limit      TPH-D = total petroleum hydrocarbons as diesel  
 -- = not measured/not analyzed      \* = new flow meter installed 02/22/96  
 gpd = gallons per day

**EXHIBIT 7**

**WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL**

## WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL

### FLUID-LEVEL MONITORING

Fluid-levels are monitored in the wells using an electronic interface probe with conductance sensors. The presence of liquid-phase hydrocarbons is verified using a hydrocarbon-reactive paste. The depth to liquid-phase hydrocarbons and water is measured to the nearest 0.01 foot relative to the well box top or top of casing. Well box or casing elevations are surveyed to within 0.02 foot relative to a county or city bench mark.

### GROUNDWATER SAMPLING

Currently, 'pre-purge' and 'non-purge' methods of sampling both comply with regulatory standards.

#### *NON-PURGE METHOD:*

Alton Geoscience utilizes the 'non-purge' method of sampling for all qualifying groundwater monitoring wells. Groundwater samples are collected by lowering a 1.5-inch-diameter, bottom-fill, disposable polyethylene bailer just below the static water level in the well. The samples are carefully transferred from the check-valve-equipped bailer to 1-liter and 40-milliliter glass containers. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Each sample is labeled with the project number, well number, sample date, and sampler's initials. Samples remain chilled at approximately 4°C prior to analysis by a state-certified laboratory.

The following criteria necessary for a well to qualify for 'non-purge' sampling are taken from a letter issued by San Francisco Bay Regional Water Quality Control Board on January 31, 1997:

1. The non-purging approach shall be used only for monitoring wells where groundwater has been impacted by petroleum hydrocarbons, BTEX, and MTBE.
2. Non-purge sampling shall be utilized for unconfined aquifers only.
3. The monitoring well shall be properly permitted, constructed (in this case, screened across the water table), and developed.
4. The well is presently in use for groundwater or soil vapor extraction.
5. The well does not contain free product.
6. For new wells or wells brought into monitoring for the first time, the first round of

groundwater sampling performed at a site shall be with both non-purged and purged samples. The purging and sampling method used shall be documented. This shall include the rate of purge and sampling details. For these wells we require measurements of dissolved oxygen, specific conductance, pH, and temperature whether purged or not purged. Also, if biodegradation is being tracked at the well, our requirements do not preclude the measurement of other parameters.

7. Existing wells which have already been routinely purged in previous sampling events immediate to being switched to a non-purging mode do not require an initial duplicate non-purged and purged sample.
8. Monitoring data frequency shall be as required by the appropriate regulatory oversight agency.
9. Should site closure be requested where the non-purged approach has been used, the final confirmation sampling event shall include both non-purged and purged samples from each well or as agreed upon with the appropriate regulatory oversight agency.

#### *PURGE METHOD:*

Groundwater monitoring wells that do not qualify for the 'non-purge' method are purged and sampled in accordance with standard regulatory protocol. Typically, monitoring wells that contain no liquid-phase hydrocarbons are purged of groundwater prior to sampling so that fluids sampled are representative of fluids within the formation. Temperature, pH, and specific conductance are typically measured after each well casing volume has been removed. Purging is considered complete when these parameters vary less than 10% from the previous readings, or when four casing volumes of fluid have been removed. Samples are collected without further purging if the well does not recharge within 2 hours to 80% of its volume before purging.

The purged water is either pumped directly into a licensed vacuum truck or temporarily stored in labeled drums prior to transport to an appropriate treatment or recycling facility. If an automatic recovery system (ARS) is operating at the site, purged water may be pumped into the ARS for treatment.

Groundwater samples are collected by lowering a 1.5-inch-diameter, bottom-fill, disposable polyethylene bailer just below the static water level in the well. The samples are carefully transferred from the check-valve-equipped bailer to 1-liter and 40-milliliter glass containers. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Each sample is labeled with the project number, well number, sample date, and sampler's initials. Samples remain chilled at approximately 4°C prior to analysis by a state-certified laboratory.



EXHIBIT 8

**MONITORING WELL SAMPLING FORMS**

**EXHIBIT 8**

**MONITORING WELL SAMPLING FORMS**

# FLUID MEASUREMENT FIELD FORM

Project No.: 30-0065-60  
 Station No.: 04 H65

Alton Personnel: Kevin Dolan  
 Date: 5/27/99

Well Number	Screen Interval	Depth to Water	Depth to Product	Free Product Thickness (ft)	Free Product Recovery	Total Depth	DO - mg/L Comments
MW-1		41.57					2.03
MW-2		41.57					2.86
MW-3		18.34					1.16
MW-4		41.71					1.98
MW-5		34.01					3.14
MW-6		42.13					1.11
MW-7		23.67					1.30
MW-8		20.53					4.53
MW-10		41.78					5.38
MW-11		42.27					4.89
MW-12		43.18					2.81
RW-1		41.39					4.31
RW-2		44.15 <del>44.10</del>					2.83
RW-3		44.40 <del>42.00</del>					3.18
RW-4		42.00					2.43
VMW-4		dry					—
VMW-3		36.14					1.84
MMW-2		dry					—
UMW-1		dry					—

Alton Geoscience, Northern California Operations  
**GROUND WATER SAMPLING FIELD NOTES**

Site: 04 H65 Project No.: 30-6065-60 Sampled By: K. Dolan

Date: 5/27/99  
 Purge Method: N Purge

Well No. MW-2 Purge Method: NO Purge  
 Total Depth (feet): \_\_\_\_\_ Depth to Product (feet): \_\_\_\_\_  
 Depth to Water (feet): 41.57 Product Recovered (gallons): \_\_\_\_\_  
 Water Column (feet): \_\_\_\_\_ Casing Diameter (Inches): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_ 1 Well Volume (gallons): \_\_\_\_\_

Well No. RW-1 Purge Method: N Purge  
 Total Depth (feet): \_\_\_\_\_ Depth to Product (feet): \_\_\_\_\_  
 Depth to Water (feet): 41.39 Product Recovered (gallons): \_\_\_\_\_  
 Water Column (feet): \_\_\_\_\_ Casing Diameter (Inches): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_ 1 Well Volume (gallons): \_\_\_\_\_

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
				3.68	107.2	9.75
	2:45					
					2:45	9.65
Total Purged				Time Sampled		

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
3:05				3.9	104.8	8.98
Total Purged				Time Sampled		3:05

Comments: Strong H.C. odor  
 Turbidity = dark sediment in H2O / viscous material on barrel  
 Well No. \_\_\_\_\_ Purge Method: \_\_\_\_\_  
 Total Depth (feet) \_\_\_\_\_ Depth to Product (feet): \_\_\_\_\_  
 Depth to Water (feet): \_\_\_\_\_ Product Recovered (gallons): \_\_\_\_\_  
 Water Column (feet): \_\_\_\_\_ Casing Diameter (Inches): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_ 1 Well Volume (gallons): \_\_\_\_\_

Comments: Strong H.C. odor  
 Turbidity = dark sediment / viscous residue on barrel  
 Well No. \_\_\_\_\_ Purge Method: \_\_\_\_\_  
 Total Depth (feet) \_\_\_\_\_ Depth to Product (feet): \_\_\_\_\_  
 Depth to Water (feet): \_\_\_\_\_ Product Recovered (gallons): \_\_\_\_\_  
 Water Column (feet): \_\_\_\_\_ Casing Diameter (Inches): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_ 1 Well Volume (gallons): \_\_\_\_\_

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
Total Purged				Time Sampled		

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
Total Purged				Time Sampled		

Well No. \_\_\_\_\_ Purge Method: \_\_\_\_\_  
 Total Depth (feet) \_\_\_\_\_ Depth to Product (feet): \_\_\_\_\_  
 Depth to Water (feet): \_\_\_\_\_ Product Recovered (gallons): \_\_\_\_\_  
 Water Column (feet): \_\_\_\_\_ Casing Diameter (Inches): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_ 1 Well Volume (gallons): \_\_\_\_\_

Well No. \_\_\_\_\_ Purge Method: \_\_\_\_\_  
 Total Depth (feet) \_\_\_\_\_ Depth to Product (feet): \_\_\_\_\_  
 Depth to Water (feet): \_\_\_\_\_ Product Recovered (gallons): \_\_\_\_\_  
 Water Column (feet): \_\_\_\_\_ Casing Diameter (Inches): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_ 1 Well Volume (gallons): \_\_\_\_\_

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
Total Purged				Time Sampled		

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
Total Purged				Time Sampled		

Alton Geoscience, Northern California Operations  
**GROUND WATER SAMPLING FIELD NOTES**

Site: 04 H65 Project No.: 30-0065-60 Sampled By: K-Dolan Date: 5/27/99

Well No. MW-6 Purge Method: No Purge  
 Total Depth (feet): \_\_\_\_\_  
 Depth to Water (feet): 42.13 Depth to Product (feet): \_\_\_\_\_  
 Water Column (feet): \_\_\_\_\_ Product Recovered (gallons): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_ Casing Diameter (Inches): 2"  
 1 Well Volume (gallons): \_\_\_\_\_

Well No. RW-4 Purge Method: \_\_\_\_\_  
 Total Depth (feet): \_\_\_\_\_  
 Depth to Water (feet): 42.06 Depth to Product (feet): \_\_\_\_\_  
 Water Column (feet): \_\_\_\_\_ Product Recovered (gallons): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_ Casing Diameter (Inches): 6"  
 1 Well Volume (gallons): \_\_\_\_\_

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
				1101	76.8	6.97
Total Purged				Time Sampled <u>12:40</u>		

Comments: Slight H-C odor  
 Turbidity = Clear

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
				1101	80.6	7.38
Total Purged				Time Sampled <u>1:02</u>		

Comments: \_\_\_\_\_  
 Turbidity = \_\_\_\_\_

Well No. RW-3 Purge Method: No Purge  
 Total Depth (feet): U Depth to Product (feet): \_\_\_\_\_  
 Depth to Water (feet): 44.40 Product Recovered (gallons): \_\_\_\_\_  
 Water Column (feet): \_\_\_\_\_ Casing Diameter (Inches): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_ 1 Well Volume (gallons): \_\_\_\_\_

Well No. MW-1 Purge Method: No Purge  
 Total Depth (feet): \_\_\_\_\_  
 Depth to Water (feet): 41.51 Depth to Product (feet): \_\_\_\_\_  
 Water Column (feet): \_\_\_\_\_ Product Recovered (gallons): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_ Casing Diameter (Inches): \_\_\_\_\_  
 1 Well Volume (gallons): \_\_\_\_\_

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
<u>1:25</u>				1.48	81.3	7.14
Total Purged				Time Sampled <u>1:25</u>		

Comments: \_\_\_\_\_  
 Turbidity = Clear

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
<u>2:00</u>				1.26	74.9	7.26
Total Purged				Time Sampled <u>2:00</u>		

Comments: \_\_\_\_\_  
 Turbidity = Clear

Well No. MW-4 Purge Method: No Purge  
 Total Depth (feet): \_\_\_\_\_  
 Depth to Water (feet): 41.71 Depth to Product (feet): \_\_\_\_\_  
 Water Column (feet): \_\_\_\_\_ Product Recovered (gallons): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_ Casing Diameter (Inches): \_\_\_\_\_  
 1 Well Volume (gallons): \_\_\_\_\_

Well No. RW-2 Purge Method: No Purge  
 Total Depth (feet): \_\_\_\_\_  
 Depth to Water (feet): 44.15 Depth to Product (feet): \_\_\_\_\_  
 Water Column (feet): \_\_\_\_\_ Product Recovered (gallons): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_ Casing Diameter (Inches): \_\_\_\_\_  
 1 Well Volume (gallons): \_\_\_\_\_

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
<u>2:10</u>				.86	68.9	7.15
Total Purged				Time Sampled <u>2:10</u>		

Comments: \_\_\_\_\_  
 Turbidity = Clear

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
<u>2:24</u>				2.85	90.9	8.96
Total Purged				Time Sampled <u>2:24</u>		

Comments: Clear  
 Turbidity = \_\_\_\_\_

**EXHIBIT 9**

**ANALYTICAL LABORATORY DATA SHEETS**



LLI Sample No. WW 3161585  
 Collected: 5/27/99 at 14:00 by KD

Account No: 09728  
 Mobil Business Resources Corp.  
 2063 Main Street  
 Suite 501  
 Oakley CA 94561

P.O. 04-H6J  
 Rel.

Submitted: 5/28/99 Reported: 6/11/99  
 Discard: 7/12/99

MW-1 Water Sample  
 LOC# 04-H6J PRCA# 980044 PHC# 4L  
 MOBIL: 1024 Main Street - CA

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	REPORTING LIMIT	UNITS
2488	BTEX, MTBE (8020)			
0776	Benzene	N.D.	0.3	ug/l
0777	Toluene	N.D.	0.3	ug/l
0778	Ethylbenzene	N.D.	0.3	ug/l
0779	Total Xylenes	N.D.	0.6	ug/l
2489	Methyl t-butyl ether	N.D.	5.	ug/l
Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.				
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	N.D.	50.	ug/l
Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.				

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
2488	BTEX, MTBE (8020)	Batch: 99152A16									
0776	Benzene	N.D.		110			101	96	5	81	124
	0.3 ug/l										
0777	Toluene	N.D.		107			105	99	6	81	122
	0.3 ug/l										
0778	Ethylbenzene	N.D.		108			105	99	6	79	123
	0.3 ug/l										
0779	Total Xylenes	N.D.		107			104	99	5	80	123
	0.6 ug/l										
2489	Methyl t-butyl ether	N.D.		123			107	107	0	79	123
	5. ug/l										

#=Laboratory Method Detection Limit exceeded State Regulatory Limit  
 N.D.=Not detected at or above the Reporting Limit

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Questions? Contact your Client Services Representative  
 Jedidiah E. Turzi at (717) 656-2300  
 05:31:05 D 0001 8 134751 667834  
 220 0.00 00004500 ASR000

*Kate Whelan for*

Respectfully Submitted  
 Thomas C. Lehman, Ph.D.  
 Group Leader, Petrol. Analysis



Lancaster Laboratories  
 2425 New Holland Pike  
 PO Box 12425  
 Lancaster, PA 17605-2425  
 717-656-2300 Fax: 717-656-2681

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LLI Sample No. WW 3161585

Collected: 5/27/99 at 14:00 by KD

Submitted: 5/28/99 Reported: 6/11/99

Discard: 7/12/99

MW-1 Water Sample

LOC# 04-H6J PRCA# 980044 PHC# 4L

MOBIL: 1024 Main Street - CA

Account No: 09728  
Mobil Business Resources Corp.  
2063 Main Street  
Suite 501  
Oakley CA 94561

P.O. 04-H6J  
Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
8268 8015 Mod. for Gasoline											
5554 TPH-GRO (CA LUFT)											
50.	ug/l	N.D.			96		89	90	2	79	128

Batch: 99152A16

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
2488 BTEX, MTBE (8020)	TFT	92	77	118
8268 8015 Mod. for Gasoline	TFT	73	59	144

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		ANALYST
			TRIAL ID	DATE AND TIME	
2488	BTEX, MTBE (8020)	SW-846 8021B	1	06/02/99 0535	Courtney M. Kutchi
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	06/02/99 0535	Courtney M. Kutchi

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit  
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative  
Jedidiah E. Turzi at (717) 656-2300

*Kate Rhodes for*

Respectfully Submitted  
Thomas C. Lehman, Ph.D.  
Group Leader, Petrol. Analysis



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax: 717-656-2681

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LLI Sample No. WW 3161588  
Collected: 5/27/99 at 14:45 by KD  
Submitted: 5/28/99 Reported: 6/11/99  
Discard: 7/12/99

Account No: 09728  
Mobil Business Resources Corp.  
2063 Main Street  
Suite 501  
Oakley CA 94561

P.O. 04-H6J  
Rel.

MW-2 Water Sample  
LOC# 04-H6J PRCA# 980044 PHC# 4L  
MOBIL: 1024 Main Street - CA

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
2306	MTBE by GC/MS			
2010	Methyl t-butyl ether	N.D.	5.	ug/l
	Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.			
2488	BTEX, MTBE (8020)			
0776	Benzene	930.	2.	ug/l
0777	Toluene	460.	2.	ug/l
0778	Ethylbenzene	350.	2.	ug/l
0779	Total Xylenes	1,300.	6.	ug/l
2489	Methyl t-butyl ether	N.D. #	10.	ug/l
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.			
	Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE. The presence or concentration of this compound cannot be determined due to the presence of this interferent.			
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	12,000.	200.	ug/l
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.			

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH

#=Laboratory Method Detection Limit exceeded State Regulatory Limit  
N.D.=Not detected at or above the Reporting Limit

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Questions? Contact your Client Services Representative  
Jedidiah E. Turzi at (717) 656-2300  
05:32:43 D 0001 8 134751 667834  
220 0.00 00014000 ASR000

*Kate Wheeler for*

Respectfully Submitted  
Thomas C. Lehman, Ph.D.  
Group Leader, Petrol. Analysis



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LLI Sample No. WW 3161588

Collected: 5/27/99 at 14:45 by KD

Submitted: 5/28/99 Reported: 6/11/99  
Discard: 7/12/99

MW-2 Water Sample  
LOC# 04-H6J PRCA# 980044 PHC# 4L  
MOBIL: 1024 Main Street - CA

Account No: 09728  
Mobil Business Resources Corp.  
2063 Main Street  
Suite 501  
Oakley CA 94561

P.O. 04-H6J  
Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
2306 MTBE by GC/MS		Batch: 99158A70									
2010	Methyl t-butyl ether	N.D.					116	103	11	72	122
5.	ug/l										
2488 BTEX, MTBE (8020)		Batch: 99152A16									
0776	Benzene	N.D.		110			101	96	5	81	124
2.	ug/l										
0777	Toluene	N.D.		107			105	99	6	81	122
2.	ug/l										
0778	Ethylbenzene	N.D.		108			105	99	6	79	123
2.	ug/l										
0779	Total Xylenes	N.D.		107			104	99	5	80	123
6.	ug/l										
2489	Methyl t-butyl ether	N.D.		123			107	107	0	79	123
10.	ug/l										
8268 8015 Mod. for Gasoline		Batch: 99152A16									
5554	TPH-GRO (CA LUFT)	N.D.		96			89	90	2	79	128
200.	ug/l										

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
2306 MTBE by GC/MS	DBFM	103	86	118
2488 BTEX, MTBE (8020)	TFT	100	77	118
8268 8015 Mod. for Gasoline	TFT	124	59	144

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
2306	MTBE by GC/MS	SW-846 8260B	1	06/08/99 1500	Karen L. Baney
2488	BTEX, MTBE (8020)	SW-846 8021B	1	06/02/99 0729	Courtney M. Kutchi
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	06/02/99 0729	Courtney M. Kutchi

#Laboratory Method Detection Limit exceeded State Regulatory Limit  
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative  
Jedidiah E. Turzi at (717) 656-2300

*Kate Rhodes for*

Respectfully Submitted  
Thomas C. Lehman, Ph.D.  
Group Leader, Petrol. Analysis



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2425 New Holland Pike  
PO Box 12425  
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LLI Sample No. WW 3161588  
Collected: 5/27/99 at 14:45 by KD

Submitted: 5/28/99 Reported: 6/11/99  
Discard: 7/12/99

MW-2 Water Sample  
LOC# 04-H6J PRCA# 980044 PHC# 4L  
MOBIL: 1024 Main Street - CA

Account No: 09728  
Mobil Business Resources Corp.  
2063 Main Street  
Suite 501  
Oakley CA 94561

P.O. 04-H6J  
Rel.

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		ANALYST
			TRIAL ID	DATE AND TIME	

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit  
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative  
Jedidiah E. Turzi at (717) 656-2300

*Handwritten signature: Kale Rhodes for*

Respectfully Submitted  
Thomas C. Lehman, Ph.D.  
Group Leader, Petrol. Analysis



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2425 New Holland Pike  
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717-656-2300 Fax: 717-656-2681

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LLI Sample No. WW 3161586  
 Collected: 5/27/99 at 14:10 by KD

Account No: 09728  
 Mobil Business Resources Corp.  
 2063 Main Street  
 Suite 501  
 Oakley CA 94561

P.O. 04-H6J  
 Rel.

Submitted: 5/28/99 Reported: 6/11/99  
 Discard: 7/12/99

MW-4 Water Sample  
 LOC# 04-H6J PRCA# 980044 PHC# 4L  
 MOBIL: 1024 Main Street - CA

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
2488	BTEX, MTBE (8020)			
0776	Benzene	67.	0.3	ug/l
0777	Toluene	9.0	0.3	ug/l
0778	Ethylbenzene	4.7	0.3	ug/l
0779	Total Xylenes	40.	0.6	ug/l
2489	Methyl t-butyl ether	N.D.	5.	ug/l
Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.				
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	670.	50.	ug/l
Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.				

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
2488 BTEX, MTBE (8020)		Batch: 99152A16									
0776	Benzene	N.D.		110			101	96	5	81	124
0777	Toluene	N.D.		107			105	99	6	81	122
0778	Ethylbenzene	N.D.		108			105	99	6	79	123
0779	Total Xylenes	N.D.		107			104	99	5	80	123
2489	Methyl t-butyl ether	N.D.		123			107	107	0	79	123

#=Laboratory Method Detection Limit exceeded State Regulatory Limit  
 N.D.=Not detected at or above the Reporting Limit

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Questions? Contact your Client Services Representative  
 Jedidiah E. Turzi at (717) 656-2300  
 05:31:38 D 0001 8 134751 667834  
 220 0.00 00004500 ASR000

*Handwritten signature: Kale Wholen for*

Respectfully Submitted  
 Thomas C. Lehman, Ph.D.  
 Group Leader, Petrol. Analysis



Lancaster Laboratories  
 2425 New Holland Pike  
 PO Box 12425  
 Lancaster, PA 17605-2425  
 717-656-2300 Fax: 717-656-2681

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LLI Sample No. **WW 3161586**  
 Collected: 5/27/99 at 14:10 by KD

Submitted: 5/28/99 Reported: 6/11/99  
 Discard: 7/12/99

MW-4 Water Sample  
 LOC# 04-H6J PRCA# 980044 PHC# 4L  
 MOBIL: 1024 Main Street - CA

Account No: 09728  
 Mobil Business Resources Corp.  
 2063 Main Street  
 Suite 501  
 Oakley CA 94561

P.O. 04-H6J  
 Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
8268 8015 Mod. for Gasoline		Batch: 99152A16									
5554	TPH-GRO (CA LUFT)										
50.	ug/l	N.D.			96		89	90	2	79	128

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
2488	BTEX, MTBE (8020)	103	77	118
8268	8015 Mod. for Gasoline	93	59	144

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		ANALYST
			TRIAL ID	DATE AND TIME	
2488	BTEX, MTBE (8020)	SW-846 8021B	1	06/02/99 0613	Courtney M. Kutchi
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	06/02/99 0613	Courtney M. Kutchi

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit  
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative  
 Jedidiah E. Turzi at (717) 656-2300

*Handwritten signature: Kale Rhodes for*

Respectfully Submitted  
 Thomas C. Lehman, Ph.D.  
 Group Leader, Petrol. Analysis



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LLI Sample No. WW 3161582
Collected: 5/27/99 at 12:40 by KD
Submitted: 5/28/99 Reported: 6/11/99
Discard: 7/12/99

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-H6J
Rel.

MW-6 Water Sample
LOC# 04-H6J PRCA# 980044 PHC# 4L
MOBIL: 1024 Main Street - CA

AS RECEIVED

Table with columns: CAT NO., ANALYSIS NAME, RESULTS, REPORTING LIMIT, UNITS. Rows include BTEX, MTBE (8020) and TPH-GRO (CA LUFT) with various chemical components and their concentrations.

QUALITY CONTROL REPORT

Table with columns: SAMPLE RPT LIM, SAMPLE UNITS, BLANK, DUP RPD, MS, MSD, MS RPD, LCS, LCS DUP, LCS RPD, LCS LIMITS LOW, HIGH. Includes data for BTEX, MTBE (8020) and comparison against reporting limits.

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience ATTN: Chris Dennis

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300
05:29:11 D 0001 8 134751 667834
220 0.00 00004500 ASR000

Handwritten signature: Kale Rhodes for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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LLI Sample No. WW 3161582

Collected: 5/27/99 at 12:40 by KD

Submitted: 5/28/99 Reported: 6/11/99

Discard: 7/12/99

MW-6 Water Sample  
 LOC# 04-H6J PRC# 980044 PHC# 4L  
 MOBIL: 1024 Main Street - CA

Account No: 09728  
 Mobil Business Resources Corp.  
 2063 Main Street  
 Suite 501  
 Oakley CA 94561

P.O. 04-H6J  
 Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
8268 8015 Mod. for Gasoline		Batch: 99152A16									
5554	TPH-GRO (CA LUFT)										
50.	ug/l	N.D.			96		89	90	2	79	128

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
2488 BTEX, MTBE (8020)	TFT	112	77	118
8268 8015 Mod. for Gasoline	TFT	93	59	144

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		ANALYST
			TRIAL ID	DATE AND TIME	
2488	BTEX, MTBE (8020)	SW-846 8021B	1	06/01/99 2354	Courtney M. Kutchi
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	06/01/99 2354	Courtney M. Kutchi

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit  
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative  
 Jedidiah E. Turzi at (717) 656-2300

*Kate Whodee for*

Respectfully Submitted  
 Thomas C. Lehman, Ph.D.  
 Group Leader, Petrol. Analysis



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 2425 New Holland Pike  
 PO Box 12425  
 Lancaster, PA 17605-2425  
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LLI Sample No. WW 3161589  
 Collected: 5/27/99 at 15:05 by KD

Submitted: 5/28/99 Reported: 6/11/99  
 Discard: 7/12/99

RW-1 Water Sample  
 LOC# 04-H6J PRCA# 980044 PHC# 4L  
 MOBIL: 1024 Main Street - CA

Account No: 09728  
 Mobil Business Resources Corp.  
 2063 Main Street  
 Suite 501  
 Oakley CA 94561

P.O. 04-H6J  
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
2488	BTEX, MTBE (8020)			
0776	Benzene	1,400.	2.	ug/l
0777	Toluene	1,800.	2.	ug/l
0778	Ethylbenzene	320.	2.	ug/l
0779	Total Xylenes	3,000.	6.	ug/l
2489	Methyl t-butyl ether	N.D.	5.	ug/l
Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.				
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	23,000.	200.	ug/l
Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.				

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
2488	BTEX, MTBE (8020)	Batch: 99152A16									
0776	Benzene	N.D.		110			101	96	5	81	124
0777	Toluene	N.D.		107			105	99	6	81	122
0778	Ethylbenzene	N.D.		108			105	99	6	79	123
0779	Total Xylenes	N.D.		107			104	99	5	80	123
2489	Methyl t-butyl ether	N.D.		123			107	107	0	79	123

#=Laboratory Method Detection Limit exceeded State Regulatory Limit  
 N.D.=Not detected at or above the Reporting Limit

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Questions? Contact your Client Services Representative  
 Jedidiah E. Turzi at (717) 656-2300  
 05:33:23 D 0001 8 134751 667834  
 220 0.00 00004500 ASR000

*Handwritten signature: Kale Rhodes for*

Respectfully Submitted  
 Thomas C. Lehman, Ph.D.  
 Group Leader, Petrol. Analysis



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 717-656-2300 Fax: 717-656-2681

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LLI Sample No. WW 3161589  
Collected: 5/27/99 at 15:05 by KD

Submitted: 5/28/99 Reported: 6/11/99  
Discard: 7/12/99

RW-1 Water Sample  
LOC# 04-H6J PRCA# 980044 PHC# 4L  
MOBIL: 1024 Main Street - CA

Account No: 09728  
Mobil Business Resources Corp.  
2063 Main Street  
Suite 501  
Oakley CA 94561

P.O. 04-H6J  
Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS LIMITS HIGH
8268 8015 Mod. for Gasoline		Batch: 99152A16									
5554 TPH-GRO (CA LUFT) 200.	ug/l	N.D.		96			89	90	2	79	128

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
2488 BTEX, MTBE (8020)	TFT	83	77	118
8268 8015 Mod. for Gasoline	TFT	116	59	144

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
2488	BTEX, MTBE (8020)	SW-846 8021B	1	06/02/99 0807	Courtney M. Kutchi
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	06/02/99 0807	Courtney M. Kutchi

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit  
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative  
Jedidiah E. Turzi at (717) 656-2300

*Handwritten signature: Kale Wholen for*

Respectfully Submitted  
Thomas C. Lehman, Ph.D.  
Group Leader, Petrol. Analysis



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax: 717-656-2681

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LLI Sample No. **WW 3161587**  
 Collected: 5/27/99 at 14:24 by KD

Account No: 09728  
 Mobil Business Resources Corp.  
 2063 Main Street  
 Suite 501  
 Oakley CA 94561

P.O. 04-H6J  
 Rel.

Submitted: 5/28/99 Reported: 6/11/99  
 Discard: 7/12/99

RW-2 Water Sample  
 LOC# 04-H6J PRCA# 980044 PHC# 4L  
 MOBIL: 1024 Main Street - CA

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
2488	BTEX, MTBE (8020)			
0776	Benzene	1.4	0.3	ug/l
0777	Toluene	4.5	0.3	ug/l
0778	Ethylbenzene	0.6	0.3	ug/l
0779	Total Xylenes	1.7	0.6	ug/l
2489	Methyl t-butyl ether	N.D.	5.	ug/l
Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.				
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	310.	50.	ug/l
Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.				

**QUALITY CONTROL REPORT**

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS	
										LOW	HIGH
Batch: 99152A16											
0776	Benzene										
0.3	ug/l	N.D.		110			101	96	5	81	124
0777	Toluene										
0.3	ug/l	N.D.		107			105	99	6	81	122
0778	Ethylbenzene										
0.3	ug/l	N.D.		108			105	99	6	79	123
0779	Total Xylenes										
0.6	ug/l	N.D.		107			104	99	5	80	123
2489	Methyl t-butyl ether										
5.	ug/l	N.D.		123			107	107	0	79	123

#-Laboratory Method Detection Limit exceeded State Regulatory Limit  
 N.D.=Not detected at or above the Reporting Limit

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Questions? Contact your Client Services Representative  
 Jedidiah E. Turzi at (717) 656-2300  
 05:32:11 D 0001 8 134751 667834  
 220 0.00 00004500 ASR000

*Handwritten signature*

Respectfully Submitted  
 Thomas C. Lehman, Ph.D.  
 Group Leader, Petrol. Analysis



Lancaster Laboratories  
 2425 New Holland Pike  
 PO Box 12425  
 Lancaster, PA 17605-2425  
 717-656-2300 Fax: 717-656-2681

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LLI Sample No. WW 3161587

Collected: 5/27/99 at 14:24 by KD

Submitted: 5/28/99 Reported: 6/11/99

Discard: 7/12/99

RW-2 Water Sample  
LOC# 04-H6J PRCA# 980044 PHC# 4L  
MOBIL: 1024 Main Street - CA

Account No: 09728  
Mobil Business Resources Corp.  
2063 Main Street  
Suite 501  
Oakley CA 94561

P.O. 04-H6J  
Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
8268 8015 Mod. for Gasoline											
5554 TPH-GRO (CA LUFT)	ug/l	N.D.			96		89	90	2	79	128

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
2488 BTEX, MTBE (8020)	TFT	100	77	118
8268 8015 Mod. for Gasoline	TFT	109	59	144

LABORATORY CHRONICLE

CAT	ANALYSIS NAME	METHOD	TRIAL ID	DATE AND TIME	ANALYST
2488	BTEX, MTBE (8020)	SW-846 8021B	1	06/02/99 0651	Courtney M. Kutchi
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	06/02/99 0651	Courtney M. Kutchi

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit  
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative  
Jedidiah E. Turzi at (717) 656-2300

*Kate Rhodes for*

Respectfully Submitted  
Thomas C. Lehman, Ph.D.  
Group Leader, Petrol. Analysis



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2425 New Holland Pike  
PO Box 12425  
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LIJ Sample No. WW 3161584

Collected: 5/27/99 at 13:25 by KD

Submitted: 5/28/99 Reported: 6/11/99

Discard: 7/12/99

RW-3 Water Sample  
LOC# 04-H6J PRCA# 980044 PHC# 4L  
MOBIL: 1024 Main Street - CA

Account No: 09728  
Mobil Business Resources Corp.  
2063 Main Street  
Suite 501  
Oakley CA 94561

P.O. 04-H6J  
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
2488	BTEX, MTBE (8020)			
0776	Benzene	N.D.	0.3	ug/l
0777	Toluene	N.D.	0.3	ug/l
0778	Ethylbenzene	N.D.	0.3	ug/l
0779	Total Xylenes	N.D.	0.6	ug/l
2489	Methyl t-butyl ether	N.D.	5.	ug/l
Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.				
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	N.D.	50.	ug/l
Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.				

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
2488	BTEX, MTBE (8020)	Batch: 99152A16									
0776	Benzene										
0.3	ug/l	N.D.		110			101	96	5	81	124
0777	Toluene										
0.3	ug/l	N.D.		107			105	99	6	81	122
0778	Ethylbenzene										
0.3	ug/l	N.D.		108			105	99	6	79	123
0779	Total Xylenes										
0.6	ug/l	N.D.		107			104	99	5	80	123
2489	Methyl t-butyl ether										
5.	ug/l	N.D.		123			107	107	0	79	123

#=Laboratory Method Detection Limit exceeded State Regulatory Limit  
N.D.=Not detected at or above the Reporting Limit

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ATTN: Chris Dennis

Questions? Contact your Client Services Representative  
Jedidiah E. Turzi at (717) 656-2300  
05:30:29 D 0001 8 134751 667834  
220 0.00 00004500 ASR000

*Kate Rhodes for*

Respectfully Submitted  
Thomas C. Lehman, Ph.D.  
Group Leader, Petrol. Analysis



Lancaster Laboratories  
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PO Box 12425  
Lancaster, PA 17605-2425  
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LLI Sample No. WW 3161584

Collected: 5/27/99 at 13:25 by KD

Submitted: 5/28/99 Reported: 6/11/99  
Discard: 7/12/99

RW-3 Water Sample  
LOC# 04-H6J PRCA# 980044 PHC# 4L  
MOBIL: 1024 Main Street - CA

Account No: 09728  
Mobil Business Resources Corp.  
2063 Main Street  
Suite 501  
Oakley CA 94561

P.O. 04-H6J  
Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
8268 8015 Mod. for Gasoline		Batch: 99152A16									
5554	TPH-GRO (CA LUFT)										
50.	ug/l	N.D.			96		89	90	2	79	128

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
2488 BTEX, MTBE (8020)	TFT	91	77	118
8268 8015 Mod. for Gasoline	TFT	74	59	144

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
2488	BTEX, MTBE (8020)	SW-846 8021B	1	06/02/99 0457	Courtney M. Kutchi
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	06/02/99 0457	Courtney M. Kutchi

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit  
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative  
Jedidiah E. Turzi at (717) 656-2300

*Handwritten signature: Kale Rhodes for*

Respectfully Submitted  
Thomas C. Lehman, Ph.D.  
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Where quality is a science.

LLI Sample No. WW 3161583

Collected: 5/27/99 at 13:02 by KD

Submitted: 5/28/99 Reported: 6/11/99

Discard: 7/12/99

RW-4 Water Sample  
LOC# 04-H6J PRCA# 980044 PHC# 4L  
MOBIL: 1024 Main Street - CA

Account No: 09728  
Mobil Business Resources Corp.  
2063 Main Street  
Suite 501  
Oakley CA 94561

P.O. 04-H6J  
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
2488	BTEX, MTBE (8020)			
0776	Benzene	N.D.	0.3	ug/l
0777	Toluene	N.D.	0.3	ug/l
0778	Ethylbenzene	N.D.	0.3	ug/l
0779	Total Xylenes	N.D.	0.6	ug/l
2489	Methyl t-butyl ether	N.D.	5.	ug/l
Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.				
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	N.D.	50.	ug/l
Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.				

QUALITY CONTROL REPORT

SAMPLE RPT	LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS		
											LOW	HIGH	
2488	BTEX, MTBE (8020)		Batch: 99152A16										
0776	Benzene	0.3 ug/l	N.D.		110			101	96	5	81	124	
0777	Toluene	0.3 ug/l	N.D.		107			105	99	6	81	122	
0778	Ethylbenzene	0.3 ug/l	N.D.		108			105	99	6	79	123	
0779	Total Xylenes	0.6 ug/l	N.D.		107			104	99	5	80	123	
2489	Methyl t-butyl ether	5. ug/l	N.D.		123			107	107	0	79	123	

#=Laboratory Method Detection Limit exceeded State Regulatory Limit  
N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Chris Dennis

Questions? Contact your Client Services Representative  
Jedidiah E. Turzi at (717) 656-2300  
05:29:49 D 0001 8 134751 667834  
220 0.00 00004500 ASR000

*Kate Whalen for*

Respectfully Submitted  
Thomas C. Lehman, Ph.D.  
Group Leader, Petrol. Analysis



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax: 717-656-2681

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LLI Sample No. WW 3161583

Collected: 5/27/99 at 13:02 by KD

Submitted: 5/28/99 Reported: 6/11/99

Discard: 7/12/99

RW-4 Water Sample  
LOC# 04-H6J PRCA# 980044 PHC# 4L  
MOBIL: 1024 Main Street - CA

Account No: 09728  
Mobil Business Resources Corp.  
2063 Main Street  
Suite 501  
Oakley CA 94561

P.O. 04-H6J  
Rel.

SAMPLE RPT	SAMPLE LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
8268	8015	Mod. for Gasoline										
Batch: 99152A16												
5554	TPH-GRO (CA LUFT)											
50.	ug/l		N.D.			96		89	90	2	79	128

SURROGATE SUMMARY

SURROGATE LIMITS

	TRIAL ID	SURROGATE	RECOVERY %	LOW	HIGH
2488 BTEX, MTBE (8020)		TFT	92	77	118
8268 8015 Mod. for Gasoline		TFT	78	59	144

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
2488	BTEX, MTBE (8020)	SW-846 8021B	1	06/02/99 0225	Courtney M. Kutchi
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	06/02/99 0225	Courtney M. Kutchi

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit  
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative  
Jedidiah E. Turzi at (717) 656-2300

*Kate Whelan for*

Respectfully Submitted  
Thomas C. Lehman, Ph.D.  
Group Leader, Petrol. Analysis



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc., a Thermo Electron Company.  
See reverse side for explanation of symbols and abbreviations.

# Mobil Western Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only  
 Acct. #: 9728 Sample #: 3161582-89

Please print.

SCR#: \_\_\_\_\_

Mobil Consultant/Office: ALTON GEOSCIENCE  
 Consultant Prj. Mgr: CHRIS DENNIS Prj. #: 30-0065-60  
 Consultant Phone #: (925)606-9150 Fax #: (925)606-9260  
 Location Code #: 04 H6J  
 PRCA/AFE/Release #: 980044 Phase Code: 4L  
 Site Address: 1024 Main St. State: \_\_\_\_\_  
 Sampler: Kevin Dolan  
 Mobil Engineer: Charine Touch

Matrix	Analyses Requested						List total number of containers in the box under each analysis.		
	Soil	Water	Oil	Air	Other	Other	Containers	Containers	
<input type="checkbox"/> Potable <input type="checkbox"/> NPDES	<input type="checkbox"/> BTEX 8020	<input checked="" type="checkbox"/> TPH 8015 MOD GRO	<input checked="" type="checkbox"/> DRO	<input type="checkbox"/> NWTPH Gx	<input type="checkbox"/> Dx	<input type="checkbox"/> Title 22 Metals	<input type="checkbox"/> Lead 7420	<input type="checkbox"/> 7421	1 Temp bottle

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Other	Other	Containers	Containers	Remarks
MW-6	5/27/99	12:40											* Please detect MtBE to 5ppb
PW-4		1:02											* Please confirm highest MtBE hit by 8260
PW-3		1:25											
MW-1		2:00											
MW-4		2:10											
PW-2		2:24											* 4 Vials per sample
NW-2		2:45											
PW-1		3:05											4.5C

**Turnaround Time Requested (TAT) (please circle):**  
 MOBIL STD. TAT **72 hour**  48 hour  
 24 hour  other \_\_\_\_\_ day

**Data Package Options (please circle if requested)**  
 QC Summary  GLP  
 Type I (Tier I)  Other  
 Type III (NJ Red. Del.)  Disk  
 Type IV (CLP)  
 Type VI (Raw Data)  
 WMP

SDG Complete? Yes  No

Site-specific QC required? Yes  No  (If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes  No

Relinquished by: Kevin Dolan Date: 5/27 Time: 5:00 Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

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

Shipped Fed Ex w/ Custody Seals

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

Relinquished by Commercial Carrier: UPS  FedEx  Other \_\_\_\_\_

Received by: Kevin Dolan Date: 5/27 Time: 08:12

Temperature Upon Receipt: 4.5 °C

Custody Seals Intact?  Yes  No  N/A