

ENVIRONMENTAL  
PROTECTION  
99 JAN 21 PM 2:07



January 15, 1999

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 Fourth Quarter 1998 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: 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: Well Purging and Groundwater Sampling Protocol
- Exhibit 6: Monitoring Well Sampling Forms
- Exhibit 7: Analytical Laboratory Data Sheets

On behalf of Mobil Business Resources Corp., Alton requests the elimination of wells MW-10, MW-11, and MW-12 from the quarterly monitoring and sampling program. A revised 1999 monitoring and sampling schedule is attached. These wells have been below laboratory reporting limits for TPHg and BTEX since March 1997. The minimal additional data acquired from the continued quarterly monitoring and sampling of these wells does not justify the monitoring and sampling cost.

Should you have any questions regarding this report, please call either Ms. Cherine Foutch, Mobil Engineer, at (925) 625-1173, or myself, at (925) 606-9150.

Sincerely,

*C.B. Dennis x109*

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. Craig Mayfield, Alameda County Flood Control & Water Conservation District  
 Mr. Joe Ramia, Gentry Homes

Alton Geoscience

Quarterly Progress Report Summary Sheet  
Fourth Quarter 1998

**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: <del>12/31/98</del>		
Number of ground water wells on-site:	16	Groundwater Wells monitored:	15	
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:			37.97 ft	
Approximate elevation of potentiometric surface above Mean Sea Level:			309.99 ft	
Average Increase/Decrease in ground water elevations since last sampling episode:		Increase:	0.55 ft	
Approximate flow direction and hydraulic gradient:		East at:	0.50 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 3,500 ppb TPH-G: ND<50 to 35,000 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):	<del>3,930,280</del>	Number of Wells Extracting Ground Water:	4 (RW-1 through RW-4)	
Total Amount of Groundwater Extracted (gallons):	3,930,280	Carbon Change:	1	
Operating days this quarter:	<del>623</del>			
Total operating Days:	623			
<b>VAPOR EXTRACTION PERFORMANCE</b>				
Technology used: Blower & Carbon		Date Started:	4-Apr-95	
Number of vapor wells onsite:	9	Maximum influent Concentration (ppmv):	50 ppmv	
Number of vapor extraction wells open:	4	Maximum Diluted Influent Concentration (ppmv):	20 ppmv	
Operating Days this quarter:	0	Amount of hydrocarbons removed this quarter:	6 gals.	
Total operating Days:	595	Cumulative amount of hydrocarbons removed:	<del>1,004.94</del>	
		Operating Mode:	Blower & Carbon	
		Conversion Date (changeover to carbon):	6/30/98	
<b>ADDITIONAL INFORMATION:</b>				
Elimination of wells MW-10, MW-11, and MW-12 from the monitoring & sampling program is requested.				
<del>The well MW-10, MW-11, and MW-12 are to be eliminated from the monitoring &amp; sampling program due to low hydrocarbon concentrations.</del>				
<del>Spill clean-up work began 1/7/99.</del>				
Groundwater samples were collected in accordance with the RWQCB guidelines for no-purge groundwater sampling.				

Prepared by: C.B. Dennis Christopher B. Dennis Alton Project No: 30-0065  
Project Geologist

Approved by: Matthew W. Katen Matthew W. Katen, RG, CHG Date Submitted: 1/15/99  
California RG #5167 Principal



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

1999 MONITORING WELL SAMPLING SCHEDULE, REVISED  
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				
MW-12				
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*				

NOTES: X = well scheduled for sampling  
\* = well historically dry; screened above water table

**EXHIBIT 2**

**GROUNDWATER LEVELS AND CHEMICAL ANALYSIS**

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				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)	Elevation (feet)									
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	—	ND	ND	ND	ND	ND	—	2.19
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	—	—	—

## 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)											
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-3	04/12/90	347.97	0.00	23.18	324.79	2,100	—	32	56	31	170	—	—	—	
MW-3	10/18/90	347.97	0.00	14.28	333.69	110	ND	3	3	1	5	—	—	—	
MW-3	08/06/91	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—	
MW-3	01/08/92	347.97	0.00	32.36	315.61	680	—	8.9	26	8.5	72	—	—	—	
MW-3	04/30/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—	

## 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)											
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-4	10/18/90	348.07	0.00	43.16	304.91	9,600	2,000	180	500	200	1,200	—	—	—	
MW-4	08/06/91	348.07	0.00	38.65	309.42	8,600	—	320	420	220	650	—	—	—	
MW-4	01/08/92	348.07	0.00	38.65	309.42	3,400	—	600	880	220	1,100	—	—	—	
MW-4	04/30/92	348.07	0.00	39.88	308.19	7,200	—	650	1,200	210	1,200	—	—	—	
MW-4	07/31/92	348.07	0.00	43.07	305.00	3,800	—	320	340	120	360	—	—	—	
MW-4	10/27/92	348.07	0.00	42.78	305.29	9,000	—	440	750	190	900	—	—	—	
MW-4	01/22/93	348.07	0.00	34.76	313.31	12,000	—	540	1,200	320	1,900	—	—	—	
MW-4	04/05/93	348.07	0.00	33.61	314.46	1,100	—	34	18	12	31	—	—	—	
MW-4	07/06/93	348.07	0.00	35.37	312.70	4,000	—	220	300	43	440	—	—	—	



## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				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)	Elevation (feet)									
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-5	10/18/90	347.97	—	**	—	—	—	—	—	—	—	—	—	—
MW-5	08/06/91	347.97	0.00	34.25	313.72	—	—	—	—	—	—	—	—	—
MW-5	01/08/92	347.97	0.00	34.22	313.75	—	—	—	—	—	—	—	—	—
MW-5	04/30/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-5	07/31/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-5	10/27/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-5	01/22/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-5	04/05/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-5	07/06/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-5	11/30/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-5	01/27/94	347.97	—	Dry	—	—	—	—	—	—	—	—	—	—

*CAC  
Rebound*

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				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)	Elevation (feet)									
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-6	10/18/90	348.23	0.00	43.60	304.63	3,000	ND	1,300	150	120	85	—	—	—
MW-6	08/06/91	348.23	0.00	39.07	309.16	1,600	—	220	10	5.2	14	—	—	—
MW-6	01/08/92	348.23	0.00	39.18	309.05	370	—	81	3.9	4.5	2.9	—	—	—
MW-6	04/30/92	348.23	0.00	40.46	307.77	610	—	180	8.4	6.8	3.3	—	—	—
MW-6	07/31/92	348.23	0.00	43.61	304.62	96	—	1,500	1,500	370	1,100	—	—	—
MW-6	10/27/92	348.23	0.00	43.68	304.55	9,400	—	27	ND	6	10	—	—	—
MW-6	01/22/93	348.23	0.00	35.66	312.57	250	—	12	2.4	1.4	1.9	—	—	—
MW-6	04/05/93	348.23	0.00	34.41	313.82	190	—	2.3	0.99	ND	0.5	—	—	—
MW-6	07/06/93	348.23	0.00	36.01	312.22	99	—	1.4	0.54	ND	ND	—	—	—
MW-6	11/30/93	348.23	0.00	38.36	309.87	86	—	9.1	ND	ND	ND	—	—	—
MW-6	01/27/94	348.23	0.00	42.57	305.66	140	—	1.7	ND	ND	ND	—	—	—
MW-6	04/25/94	348.23	0.00	40.77	307.46	—	—	—	—	—	—	—	—	—
MW-6	04/26/94	348.23	—	—	—	330	—	40	ND	ND	ND	—	—	—
MW-6	07/08/94	348.23	0.00	41.82	306.41	170	—	8.8	9.2	3.5	12	—	—	—
MW-6	10/05/94	348.23	0.00	42.64	305.59	600	—	100	5.6	11	12	—	—	—
MW-6	02/21/95	348.23	0.01	35.55	312.69	—	—	—	—	—	—	—	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				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)	Elevation (feet)									
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	—	6.1	7.7	ND	1.1	ND	—	4.63
MW-7	10/18/90	347.90	0.00	9.26	338.64	ND	ND	0	0.5	ND	0.8	—	—	—
MW-7	08/06/91	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	01/08/92	347.90	0.00	23.79	324.11	220	—	7.8	1.7	ND	0.55	—	—	—
MW-7	04/30/92	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	07/31/92	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	10/27/92	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	01/22/93	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	04/05/93	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	07/06/93	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	11/30/93	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	01/27/94	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	04/25/94	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	07/08/94	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	02/21/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	05/03/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	08/04/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	11/10/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—
MW-7	02/12/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing				Product				Depth to Groundwater				Ethyl- benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)									
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-8	10/18/90	348.90	0.00	11.30	337.60	900	ND	3	5	7	62	—	—	—	—	—	—	
MW-8	08/06/91	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	01/08/92	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	04/30/92	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	07/31/92	348.90	0.00	12.04	336.86	270*	—	ND	ND	ND	1.3	—	—	—	—	—	—	
MW-8	10/27/92	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	01/22/93	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	04/05/93	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	07/06/93	348.90	0.00	7.48	341.42	ND	—	ND	ND	ND	ND	—	—	—	—	—	—	
MW-8	11/30/93	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	01/27/94	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	04/25/94	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	07/08/94	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	10/05/94	348.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	02/21/95	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	05/03/95	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	08/04/95	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	11/10/95	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	02/12/96	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	05/17/96	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	08/12/96	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	11/08/96	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-8	02/12/97	348.90	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing				Product				Depth to Groundwater				Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)									
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-9	02/04/92	348.53	0.00	43.54	304.99	16,000	—	3,000	740	1,200	2,500	—	—	—				
MW-9	04/30/92	348.53	0.00	42.83	305.70	5,600	—	1,000	120	410	350	—	—	—				
MW-9	07/31/92	348.53	0.00	47.36	301.17	93	—	1,800	1,900	620	940	—	—	—				
MW-9	10/27/92	348.53	0.00	48.32	300.21	13,000	—	2,400	1,600	680	1,100	—	—	—				
MW-9	01/22/93	348.53	0.00	39.11	309.42	5,600	—	1,200	200	510	350	—	—	—				
MW-9	04/05/93	348.53	0.00	37.10	311.43	7,900	—	1,300	510	620	670	—	—	—				
MW-9	07/06/93	348.53	0.00	39.21	309.32	3,200	—	510	46	170	150	—	—	—				
MW-9	11/30/93	348.53	0.00	40.58	307.95	2,800	—	610	28	220	65	—	—	—				
MW-9	01/27/94	348.53	0.00	44.32	304.21	11,000	—	1,400	130	230	700	—	—	—				
MW-9	04/25/94	348.53	0.00	43.05	305.48	—	—	—	—	—	—	—	—	—				
MW-9	04/26/94	348.53	—	—	—	3,900	—	460	56	160	220	—	—	—				
MW-9	07/08/94	348.53	0.00	45.72	302.81	2,600	—	340	82	96	220	—	—	—				
(Abandoned 08/01/94)																		
MW-10	11/30/93	347.95	0.00	37.97	309.98	ND	—	ND	ND	ND	ND	—	—	—				
MW-10	01/27/94	347.95	0.00	42.16	305.79	ND	—	ND	ND	ND	1.2	—	—	—				
MW-10	04/25/94	347.95	0.00	40.39	307.56	—	—	—	—	—	—	—	—	—				
MW-10	04/26/94	347.95	—	—	—	810	—	17	0.84	ND	ND	—	—	—				
MW-10	07/08/94	347.95	0.00	41.45	306.50	110	—	18	12	3.7	14	—	—	—				
MW-10	10/05/94	347.95	0.00	42.28	305.67	87	—	8.0	5.0	0.85	4.5	—	—	—				
MW-10	02/21/95	347.95	0.00	35.14	312.81	70	—	3.6	12	1.8	9.5	—	—	—				
MW-10	05/03/95	347.95	0.00	35.07	312.88	ND	—	ND	ND	ND	ND	—	—	—				
MW-10	08/04/95	347.95	0.00	37.42	310.53	ND	—	ND	ND	ND	ND	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	—	—				

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Product Depth to Groundwater				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)	Elevation (feet)									
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-11	11/30/93	347.56	0.00	38.41	309.15	ND	—	ND	ND	ND	1.6	—	—	—
MW-11	01/27/94	347.56	0.00	38.02	309.54	ND	—	ND	ND	ND	ND	—	—	—
MW-11	04/25/94	347.56	0.00	38.77	308.79	—	—	—	—	—	—	—	—	—
MW-11	04/26/94	347.56	—	—	—	ND	—	ND	ND	ND	1.7	—	—	—
MW-11	07/08/94	347.56	0.00	41.70	305.86	120	—	23	18	4.0	15	—	—	—
MW-11	10/05/94	347.56	0.00	44.49	303.07	130	—	12	19	4.6	24	—	—	—
MW-11	02/21/95	347.56	0.00	41.74	305.82	300	—	27	64	7.3	36	—	—	—
MW-11	05/03/95	347.56	0.00	34.64	312.92	ND	—	ND	ND	ND	ND	—	—	—
MW-11	08/04/95	347.56	0.00	35.28	312.28	ND	—	ND	ND	ND	ND	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-12	11/30/93	347.15	0.00	37.97	309.18	55	—	1.8	4.3	2.5	11	—	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing				Product				Depth to Groundwater				Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)									
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	1.4	7.1	—	—	—				
MW-12	10/05/94	347.15	0.00	44.32	302.83	350	—	7.7	7.4	1.3	6.7	—	—	—				
MW-12	02/21/95	347.15	0.00	37.83	309.32	ND	—	ND	ND	0.77	5.5	—	—	—				
MW-12	05/03/95	347.15	0.00	37.24	309.91	ND	—	ND	ND	ND	ND	—	—	—				
MW-12	08/04/95	347.15	0.00	39.07	308.08	ND	—	ND	ND	ND	ND	ND	—	—				
MW-12	11/10/95	347.15	0.00	41.24	305.91	ND	—	ND	ND	ND	ND	—	—	—				
MW-12	02/12/96	347.15	0.00	38.19	308.96	ND	—	ND	2.1	ND	1.3	2.5	—	—				
MW-12**	05/17/96	347.15	—	—	—	—	—	—	—	—	—	—	—	—				
MW-12	08/12/96	347.15	0.00	40.32	306.83	ND	—	ND	ND	ND	ND	ND	—	—				
MW-12	11/08/96	347.15	0.00	41.32	305.83	ND	—	ND	ND	ND	ND	ND	—	—				
MW-12	02/12/97	347.15	0.00	35.98	311.17	—	—	—	—	—	—	—	—	—				
MW-12†	03/17/97	347.15	0.00	38.67	308.48	ND	—	ND	ND	ND	ND	ND	—	—				
MW-12†	05/13/97	347.15	0.00	39.68	307.47	ND	—	ND	ND	ND	ND	ND	—	—				
MW-12†	08/12/97	347.15	0.00	42.81	304.34	ND	—	ND	ND	ND	ND	ND	—	—				
MW-12†	10/31/97	347.15	0.00	43.28	303.87	ND	—	ND	ND	ND	ND	ND	—	—				
MW-12†	01/21/98	347.15	0.00	43.10	304.05	ND	—	ND	ND	ND	ND	ND	—	—				
MW-12†	04/24/98	347.15	0.00	38.23	308.92	ND	—	ND	ND	ND	ND	ND	—	2.80				
MW-12†	07/20/98	347.15	0.00	41.09	306.06	ND	—	ND	ND	ND	ND	ND	—	—				
MW-12†	10/21/98	347.15	0.00	44.23	302.92	ND	—	ND	ND	ND	ND	ND	—	4.87				
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	—	—	—	—	—	—	—	—	—	—				

## 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-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-2	11/30/93	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	01/27/94	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	04/25/94	347.90	0.00	33.82	314.08	—	—	—	—	—	—	—	—	—	
VMW-2	07/08/94	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	02/21/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	05/03/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	08/04/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	11/10/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	02/12/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	05/17/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	08/12/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	11/08/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	02/12/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	03/17/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	05/13/97	347.90	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-2	08/12/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	10/31/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	01/21/98	347.90	0.00	27.85	320.05	—	—	—	—	—	—	—	—	—	
VMW-2	04/24/98	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	07/20/98	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-2	10/21/98	347.90	—	Dry	—	—	—	—	—	—	—	—	—	—	
VMW-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	—	—	—	—	—	—	—	—	—	—	



## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing				Product				Depth to Groundwater				Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)									
VMW-3	02/21/95	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-3	05/03/95	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-3	08/04/95	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-3	11/10/95	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-3	02/12/96	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-3	05/17/96	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-3	08/12/96	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-3	11/08/96	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-3	02/12/97	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-3	03/17/97	348.10	0.00	31.29	316.81	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-3	05/13/97	348.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-3	08/12/97	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-3	10/31/97	348.10	0.00	31.21	316.89	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-3	01/21/98	348.10	0.00	31.25	316.85	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-3	04/24/98	348.10	0.00	31.21	316.89	—	—	—	—	—	—	—	—	—	—	—	0.34	
VMW-3	07/20/98	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-3	10/21/98	348.10	—	Dry	—	—	—	—	—	—	—	—	—	—	—	—	—	
VMW-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	—	—	—	—	—	—	—	—	—	—	—	—	

## 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)
VMW-4	04/24/98	347.95	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-4	07/20/98	347.95	—	Dry	—	—	—	—	—	—	—	—	—	—
VMW-4	10/21/98	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	—	—	—	—	—	—	—	—	—
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
<del>RW-1†</del>	10/21/98	347.89	0.00	42.41	305.48	35,000	—	<del>3,300</del>	5,700	660	4,100	ND	25	5.41
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	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Groundwater				Chemical Analysis								
		Casing Elevation (feet)	Product Thickness (feet)	Depth to 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)
RW-2	02/12/97	347.82	0.00	48.10	299.72	—	—	—	—	—	—	—	—	—
RW-2†	03/17/97	347.82	0.00	50.90	296.92	1,100	—	180	21	42	56	ND	—	—
RW-2†	05/13/97	347.82	0.00	38.11	309.71	3,500	—	680	93	150	300	ND	—	—
RW-2†	08/12/97	347.82	0.00	44.22	303.60	1,200	—	180	6.7	44	27	ND	—	—
RW-2†	10/31/97	347.82	0.00	49.13	298.69	440	—	8.9	3.6	1.5	90	ND	—	—
RW-2†	01/21/98	347.82	0.00	49.39	298.43	ND	—	ND	ND	ND	ND	ND	—	—
RW-2†	04/24/98	347.82	—	—	—	3,000	—	100	12	46	77	28	ND	—
RW-2†	07/20/98	347.82	0.00	47.16	300.66	480	—	20	6.9	7.7	9.6	ND	—	1.72
RW-2†	10/21/98	347.82	0.00	46.08	301.74	780	—	4.4	6.1	2.8	3.9	ND	—	2.18
RW-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-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	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing				Product				Depth to Groundwater				Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Thickness (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)									
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	—	—					
RW-4	11/08/96	348.29	—	—	—	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	—	—					
RW-4†	05/13/97	348.29	0.00	38.36	309.93	ND	—	ND	ND	ND	ND	—	—					
RW-4†	08/12/97	348.29	0.00	41.28	307.01	ND	—	ND	ND	ND	ND	—	—					
RW-4†	10/31/97	348.29	0.00	41.75	306.54	ND	—	ND	ND	ND	ND	—	—					
RW-4†	01/21/98	348.29	0.00	41.61	306.68	ND	—	ND	ND	ND	ND	—	—					
RW-4†	04/24/98	348.29	—	—	—	ND	—	ND	ND	ND	ND	—	—					
RW-4†	07/20/98	348.29	0.00	49.94	298.35	ND	—	ND	ND	ND	ND	—	1.93					
RW-4	10/21/98	348.29	—	Dry	—	—	—	—	—	—	—	—	—					

### FORMER UNOCAL STATION #0543 WELLS

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

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Groundwater				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)
		Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Elevation (feet)									
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	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Depth to Groundwater				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)
		Casing Elevation (feet)	Product Thickness (feet)	Water (feet)	Elevation (feet)									
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



QUADRANGLE  
LOCATION

**VICINITY MAP**








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

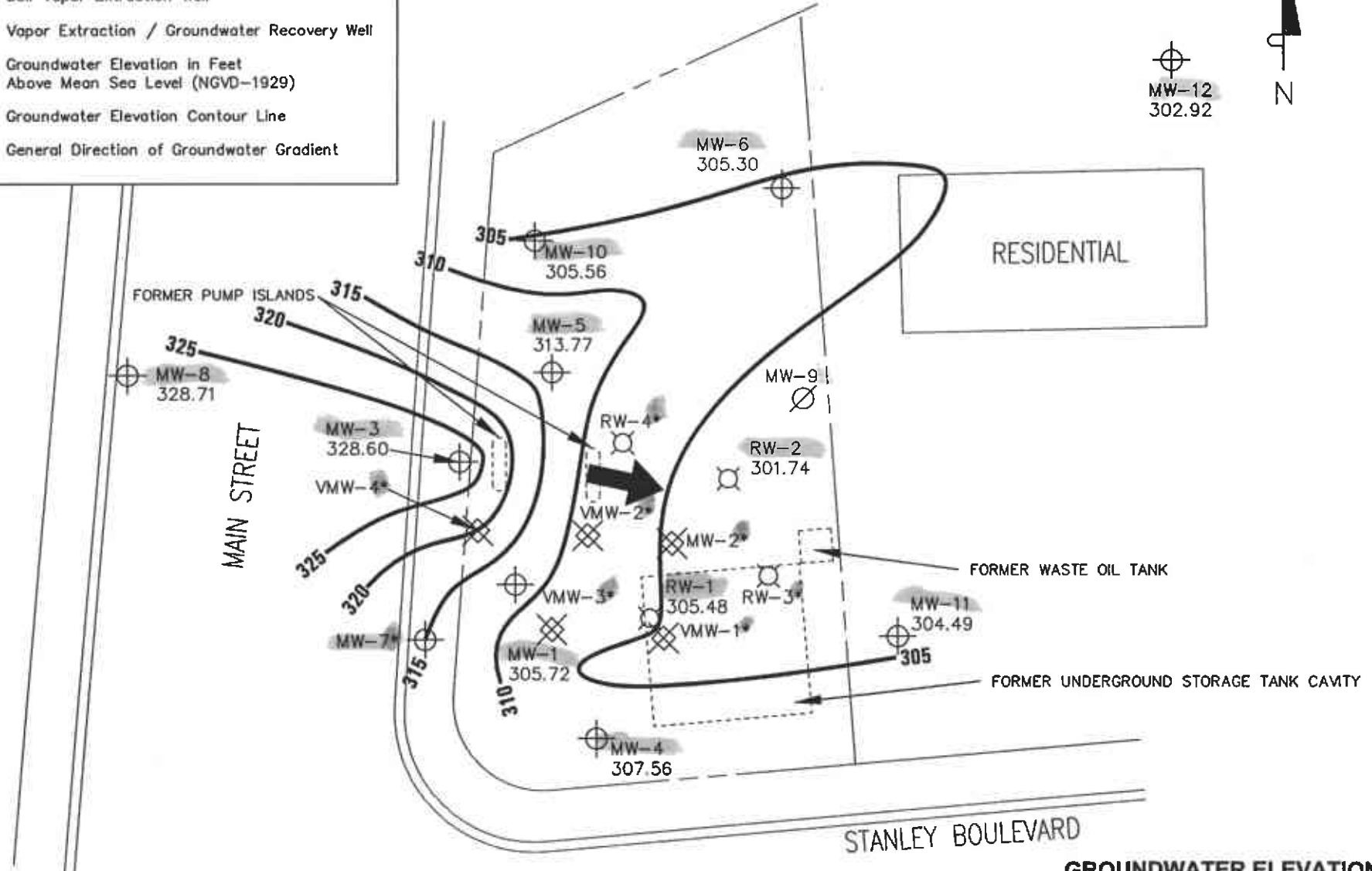
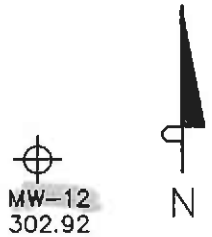
**FIGURE 1**



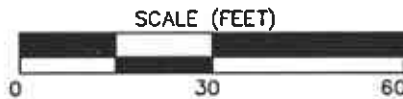
**ALTON  
GEOSCIENCE**  
Livermore, California

**LEGEND**

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



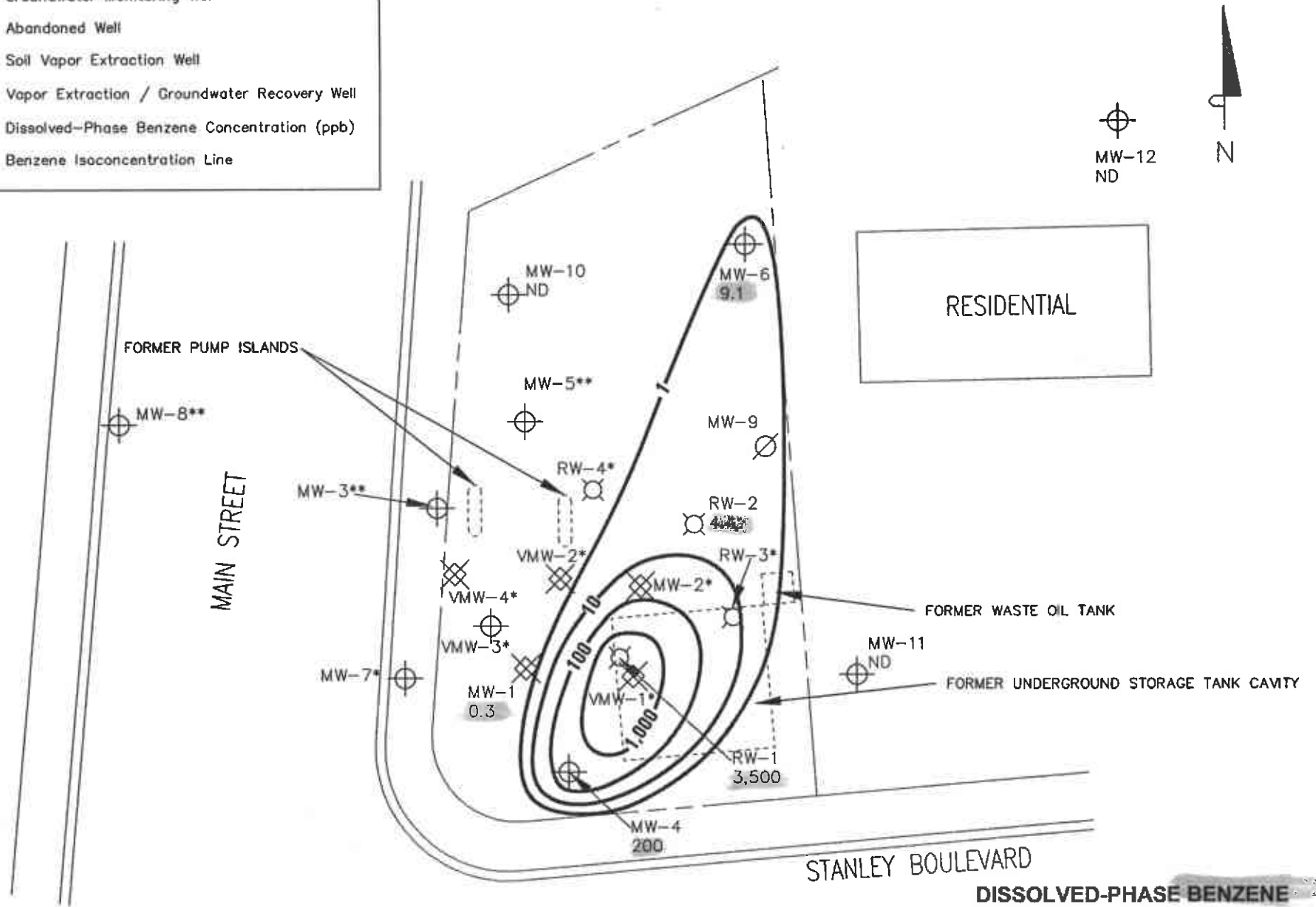
**NOTES:**  
 Contour lines are interpretive based on fluid-level measurements collected October 21, 1998.  
 Contour interval = 5.0 feet. ● = dry well.



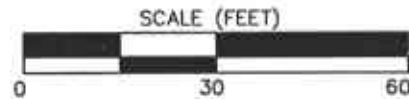
**GROUNDWATER ELEVATION  
 CONTOUR MAP  
 October 21, 1998  
 Former Mobil Station 04-H6J  
 1024 Main Street  
 Pleasanton, California  
**FIGURE 2****



LEGEND	
MW-10	Groundwater Monitoring Well
MW-9	Abandoned Well
VMW-4	Soil Vapor Extraction Well
RW-3	Vapor Extraction / Groundwater Recovery Well
300	Dissolved-Phase Benzene Concentration (ppb)
—100—	Benzene Isoconcentration Line



NOTES:  
 Results are based on laboratory analysis of groundwater samples collected October 21, 1998. ppb = parts per billion; ND = not detected at or above method detection limit. \* = dry well; not sampled; \*\* = well not scheduled for sampling.

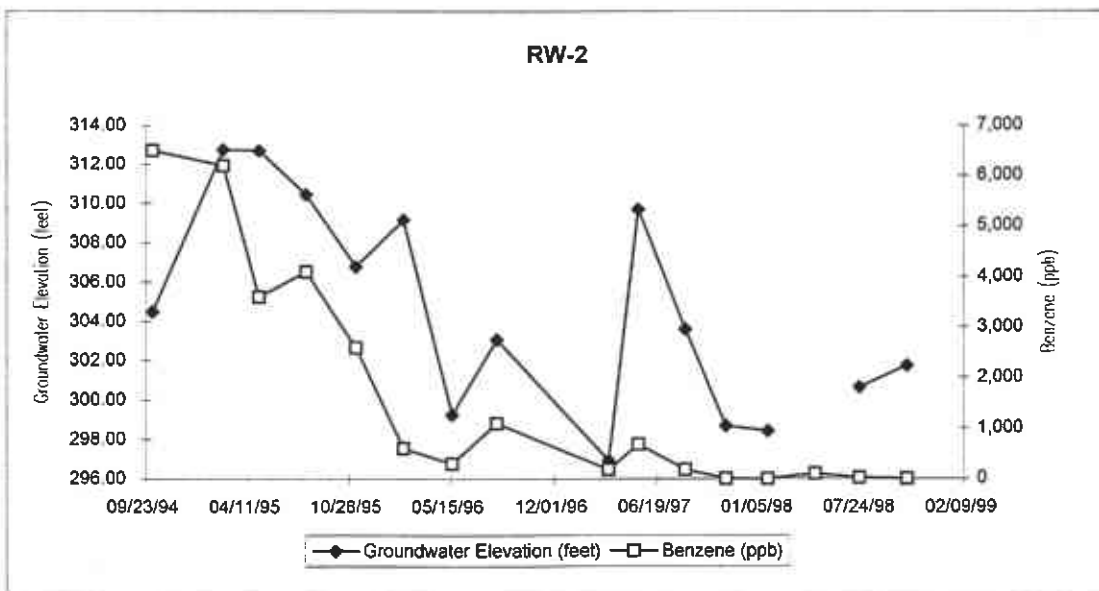
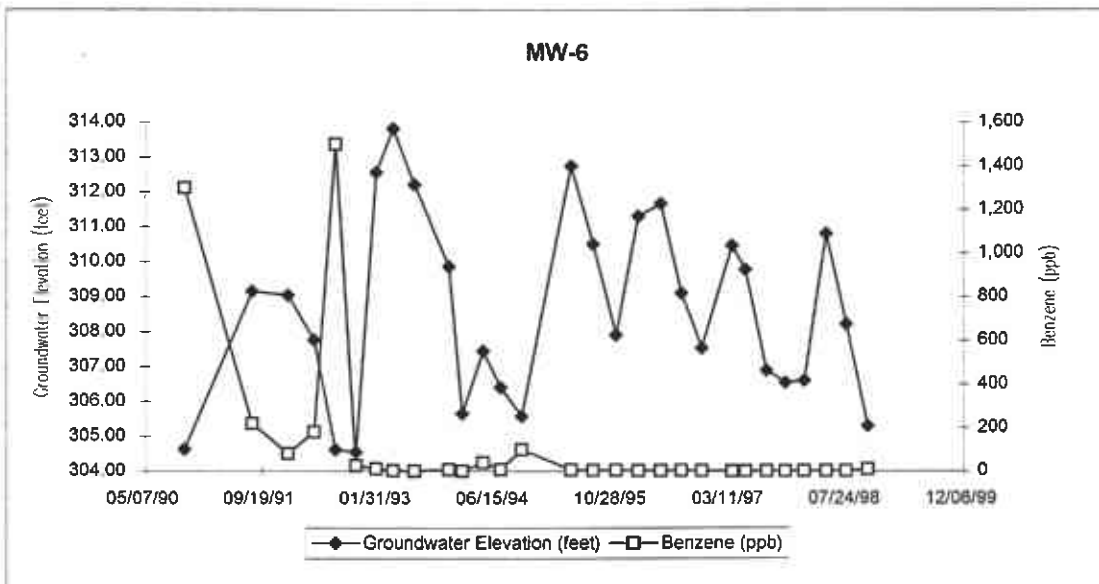
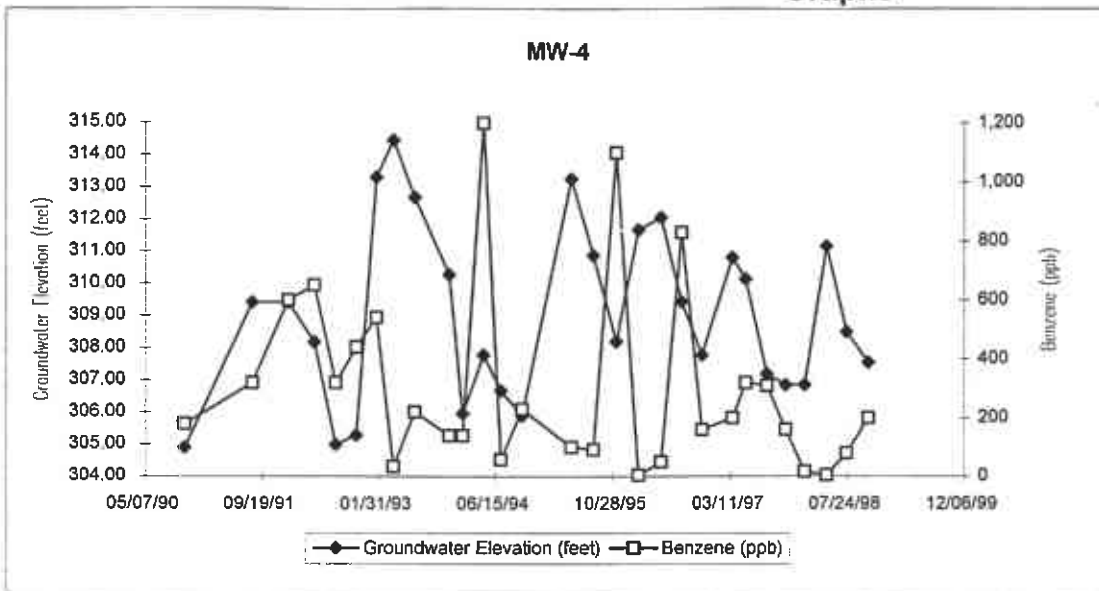


**DISSOLVED-PHASE BENZENE CONCENTRATIONS**  
**October 21, 1998**  
 Former Mobil Station 04-H6J  
 1024 Main Street  
 Pleasanton, California  
**FIGURE 3**

**EXHIBIT 4**

**BENZENE VERSUS GROUNDWATER ELEVATION GRAPHS**

## Benzene vs. Groundwater Elevation Graphs



NOTE: ND values are plotted as zero.

**EXHIBIT 5**

**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 6**

**MONITORING WELL SAMPLING FORMS**

# FLUID MEASUREMENT FIELD FORM

Project No.: 30-0065  
 Station No.: 04-H6J

Alton Personnel: G Montross  
 Date: 10-21-98

*P10?*

*50*

*60*

*1000*

*100*

Well Number	Screen Interval	Depth to Water	Depth to Product	Free Product Thickness (ft)	Free Product Recovery	Total Depth	DO.	Comments
MW-1		42.31					2.19	New cap & lock
MW-2		Dry					Dry	
MW-3		19.37					2.30	
MW-4		40.51					0.21	
MW-5		31.20					3.07	
MW-6		42.93					4.63	
MW-7		Dry					Dry	
MW-8		20.19					4.28	
MW-10		42.39					5.31	
MW-11		43.07					5.15	
MW-12		44.23					4.87	
RW-1		42.41					5.41	
RW-2		46.08					2.18	
RW-3		Dry					Dry	
RW-4		Dry					Dry	
VMW-1								New cap & lock



# GROUND WATER SAMPLING FIELD NOTES

Site: 30-0085 Project No.: C4-M6J Sampled By: G. Montross Date: 10-21-98

Well No. MW-4 Purge Method: NP  
 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. MW-6 Purge Method: NP  
 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
				1.06	69.9	7.53
<i>NP Purge</i>						
Total Purged				Time Sampled		1345
Comments:						
Turbidity = <u>Clear</u>						

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
				1.03	68.8	7.33
<i>NP Purge</i>						
Total Purged				Time Sampled		1400
Comments: <u>HC Smell</u>						
Turbidity = <u>Clear</u>						

Well No. RW-3 Purge Method: None  
 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. RW-4 Purge Method: None  
 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
<i>DRY</i>						
Total Purged				Time Sampled		
Comments:						
Turbidity =						

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
<i>DRY</i>						
Total Purged				Time Sampled		
Comments:						
Turbidity =						

Well No. MW-2 Purge Method: None  
 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
<i>DRY</i>						
Total Purged				Time Sampled		
Comments:						
Turbidity =						

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

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

Site: 30-0065 Project No.: 04-H6J Sampled By: G. Monkross Date: 10-21-98

Well No. MW-11 Purge Method: NP  
 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
				1.56	67.5	7.35
<i>No Purge</i>						
Total Purged			/	Time Sampled		1:00
Comments:						
Turbidity = <u>Clear</u>						

Well No. MW-12 Purge Method: NP  
 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
				1.13	70.0	7.43
<i>No Purge</i>						
Total Purged			/	Time Sampled		1:15
Comments:						
Turbidity = <u>Clear</u>						

Well No. MW-10 Purge Method: NP  
 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
				1.00	72.1	7.56
<i>No Purge</i>						
Total Purged			/	Time Sampled		1:30
Comments:						
Turbidity = <u>Clear</u>						

Well No. MW-1 Purge Method: NP  
 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
				1.03	68.3	7.56
<i>No Purge</i>						
Total Purged			/	Time Sampled		1:20
Comments:						
Turbidity = <u>Clear</u>						

Well No. MW-1 Purge Method: NP  
 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
				1.51	70.2	7.06
<i>No Purge</i>						
Total Purged			/	Time Sampled		1:15
Comments: <u>HC Swell - Strong</u>						
Turbidity = <u>black chunks</u>						

Well No. MW-2 Purge Method: NP  
 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
				0.91	71.5	7.39
<i>No Purge</i>						
Total Purged			/	Time Sampled		1:30
Comments: <u>HC Swell</u>						
Turbidity = <u>Clear</u>						

**EXHIBIT 7**

**ANALYTICAL LABORATORY DATA SHEETS**



LLI Sample No. WW 3024333

Collected: 10/21/98 at 12:45 by GM

Submitted: 10/23/98 Reported: 11/ 2/98

Discard: 12/ 3/98

MW-1 Grab 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
8209	BTEX, MTBE (8020)			
0776	Benzene	0.3	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
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	N.D.	50.	ug/l

QUALITY CONTROL REPORT

SAMPLE RPT	LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
8209	BTEX, MTBE (8020)		Batch: 98299A02									
0776	Benzene	0.3 ug/l	N.D.		104	98	6	106			81	124
0777	Toluene	0.3 ug/l	N.D.		107	101	5	109			84	119
0778	Ethylbenzene	0.3 ug/l	N.D.		105	99	5	110			82	118
0779	Total Xylenes	0.6 ug/l	N.D.		105	100	5	111			81	120
0780	Methyl tert-Butyl Ether	10. ug/l	N.D.		99	97	2	103			79	125
8268	8015 Mod. for Gasoline		Batch: 98299A02									
5554	TPH-GRO (CA LUFT)	50. ug/l	N.D.		105	98	8	98			72	124

#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

*Donald J. Shelby Jr.*  
 for

Questions? Contact your Client Services Representative  
 Jedidiah E. Turzi at (717) 656-2300  
 23:21:31 D 0001 8 134751 637601  
 320 0.00 00004500 ASR000

Respectfully Submitted  
 Michele Turner, B.A.  
 Manager, Volatiles



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



**LLI Sample No. WW 3024333**

Collected: 10/21/98 at 12:45 by GM

Submitted: 10/23/98 Reported: 11/ 2/98  
Discard: 12/ 3/98

MW-1 Grab 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	SAMPLE	BLANK	DUP	MS	MSD	MS	LCS	LCS	LCS	LCS LIMITS
RPT LIM	UNITS		RPD			RPD	LCS	DUP	RPD	LOW HIGH

**SURROGATE SUMMARY**

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
8209 BTEX, MTBE (8020)		TFT	98	77	125
8268 8015 Mod. for Gasoline		TFT	92	61	133

**LABORATORY CHRONICLE**

CAT	ANALYSIS NAME	METHOD	ANALYSIS		ANALYST
			TRIAL	ID	DATE AND TIME
8209	BTEX, MTBE (8020)	SW-846 8020A	1		10/26/98 2205 Donald L. Shelly, Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1		10/26/98 2205 Donald L. Shelly, Jr.

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

*Donald L. Shelly, Jr.*  
for

Respectfully Submitted  
Michele Turner, B.A.  
Manager, Volatiles



Lancaster Laboratories  
2425 New Holland Pkwy  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax 717-656-2301



LLI Sample No. **WW 3024336**

Collected: 10/21/98 at 13:45 by GM

Submitted: 10/23/98 Reported: 11/ 2/98

Discard: 12/ 3/98

MW-4 Grab 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.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
8209	BTEX, MTBE (8020)			
0776	Benzene	200.	0.3	ug/l
0777	Toluene	59.	0.3	ug/l
0778	Ethylbenzene	51.	0.3	ug/l
0779	Total Xylenes	90.	0.6	ug/l
0780	Methyl tert-Butyl Ether	N.D. #	20.	ug/l
Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE.				
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	2,000.	50.	ug/l

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS	
										LOW	HIGH
8209	BTEX, MTBE (8020)	Batch: 98299A02									
0776	Benzene										
	0.3 ug/l	N.D.		104	98	6	106			81	124
0777	Toluene										
	0.3 ug/l	N.D.		107	101	5	109			84	119
0778	Ethylbenzene										
	0.3 ug/l	N.D.		105	99	5	110			82	118
0779	Total Xylenes										
	0.6 ug/l	N.D.		105	100	5	111			81	120
0780	Methyl tert-Butyl Ether										
	20. ug/l	N.D.		99	97	2	103			79	125
8268	8015 Mod. for Gasoline	Batch: 98299A02									

#=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

*Donna J. Shady for*

Questions? Contact your Client Services Representative  
 Jedidiah E. Turzi at (717) 656-2300  
 23:23:29 D 0001 8 134751 637601  
 320 0.00 00004500 ASR000

Respectfully Submitted  
 Michele Turner, B.A.  
 Manager, Volatiles



Lancaster Laboratories  
 2425 New Holland Pike  
 PO Box 12425  
 Lancaster, PA 17605-2425  
 717-656-2300 Fax 717-656-2837



LLI Sample No. WW 3024336

Collected: 10/21/98 at 13:45 by GM

Submitted: 10/23/98 Reported: 11/ 2/98  
Discard: 12/ 3/98

MW-4 Grab 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
5554	TPH-GRO (CA LUFT)										
50.	ug/l	N.D.		105	98	8	98			72	124

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS LOW	SURROGATE LIMITS HIGH
8209	BTEX, MTBE (8020)	96	77	125
8268	8015 Mod. for Gasoline	128	61	133

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	10/27/98 0209	Donald L. Shelly, Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	10/27/98 0209	Donald L. Shelly, Jr.

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

*Donald L. Shelly Jr.*  
for

Respectfully Submitted  
Michele Turner, B.A.  
Manager, Volatiles



Lancaster Laboratories  
2425 New Holland Pkwy  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax 717-656-2687



LLI Sample No. WW 3024337

Collected: 10/21/98 at 14:00 by GM

Submitted: 10/23/98 Reported: 11/ 2/98

Discard: 12/ 3/98

MW-6 Grab 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
8209	BTEX, MTBE (8020)			
0776	Benzene	9.1	0.3	ug/l
0777	Toluene	7.7	0.3	ug/l
0778	Ethylbenzene	N.D. #	2.	ug/l
0779	Total Xylenes	1.1	0.6	ug/l
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for ethylbenzene.				
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	590.	50.	ug/l
Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.				

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
8209 BTEX, MTBE (8020)		Batch: 98299A02									
0776	Benzene										
0.3	ug/l	N.D.		104	98	6	106			81	124
0777	Toluene										
0.3	ug/l	N.D.		107	101	5	109			84	119
0778	Ethylbenzene										
2.	ug/l	N.D.		105	99	5	110			82	118
0779	Total Xylenes										
0.6	ug/l	N.D.		105	100	5	111			81	120
0780	Methyl tert-Butyl Ether										
10.	ug/l	N.D.		99	97	2	103			79	125

#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  
 23:24:08 D 0001 8 134751 637601  
 320 0.00 00004500 ASR000

*Donald J. Shady Jr.*

Respectfully Submitted  
 Michele Turner, B.A.  
 Manager, Volatiles



Lancaster Laboratories  
 2425 New Holland Pike  
 PO Box 12425  
 Lancaster, PA 17605-2425  
 717-656-2300 Fax: 717-656-2351





LLI Sample No. WW 3024337  
 Collected: 10/21/98 at 14:00 by GM

Submitted: 10/23/98 Reported: 11/ 2/98  
 Discard: 12/ 3/98

MW-6 Grab 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  
 Re1.

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: 98299A02									
5554 TPH-GRO (CA LUFT)											
50.	ug/l	N.D.		105	98	8	98			72	124

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
8209 BTEX, MTBE (8020)	TFT	108	77	125
8268 8015 Mod. for Gasoline	TFT	136	61	133

LABORATORY CHRONICLE

CAT	ANALYSIS NAME	METHOD	TRIAL ID	DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	10/27/98 0243	Donald L. Shelly, Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	10/27/98 0243	Donald L. Shelly, Jr.

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

*Donald L. Shelly Jr.*  
 for

Respectfully Submitted  
 Michele Turner, B.A.  
 Manager, Volatiles



Lancaster Laboratories  
 2425 New Holland Pike  
 PO Box 12425  
 Lancaster, PA 17605-2425  
 717-656-2300 Fax 717-656-2031



LLI Sample No. **WW 3024332**

Collected: 10/21/98 at 12:30 by GM

Submitted: 10/23/98 Reported: 11/ 2/98  
Discard: 12/ 3/98

MW-10 Grab 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.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
8209	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
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	N.D.	50.	ug/l

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
8209 BTEX, MTBE (8020)		Batch: 98299A02									
0776	Benzene	N.D.									
	0.3 ug/l			104	98	6	106			81	124
0777	Toluene	N.D.									
	0.3 ug/l			107	101	5	109			84	119
0778	Ethylbenzene	N.D.									
	0.3 ug/l			105	99	5	110			82	118
0779	Total Xylenes	N.D.									
	0.6 ug/l			105	100	5	111			81	120
0780	Methyl tert-Butyl Ether	N.D.									
	10. ug/l			99	97	2	103			79	125
8268 8015 Mod. for Gasoline		Batch: 98299A02									
5554	TPH-GRO (CA LUFT)	N.D.									
	50. ug/l			105	98	8	98			72	124

#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  
23:20:47 D 0001 8 134751 637601  
320 0.00 00004500 ASR000

Donald J. Shelly Jr  
for

Respectfully Submitted  
Michele Turner, B.A.  
Manager, Volatiles



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17609-2425  
717-656-2300 Fax: 717-656-2631



LLI Sample No. WW 3024332

Collected: 10/21/98 at 12:30 by GM

Submitted: 10/23/98 Reported: 11/ 2/98

Discard: 12/ 3/98

MW-10 Grab 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
----------------	--------------	-------	---------	----	-----	--------	-----	---------	---------	----------------	-----------------

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
8209	BTEX, MTBE (8020)	97	77	125
8268	8015 Mod. for Gasoline	91	61	133

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	10/26/98 2130	Donald L. Shelly, Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	10/26/98 2130	Donald L. Shelly, Jr.

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

*Donald L. Shelly, Jr.*  
 for

Respectfully Submitted  
 Michele Turner, B.A.  
 Manager, Volatiles



Lancaster Laboratories  
 2425 New Holland Pike  
 PO Box 12425  
 Lancaster, PA 17605-2425  
 717-656-2300 Fax 717-656-2221



ILI Sample No. WW 3024330

Collected: 10/21/98 at 12:00 by GM

Submitted: 10/23/98 Reported: 11/ 2/98

Discard: 12/ 3/98

MW-11 Grab 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  
 Re1.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
8209	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
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	N.D.	50.	ug/l

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
8209	BTEX, MTBE (8020)	Batch: 98299A02									
0776	Benzene										
	0.3 ug/l	N.D.		104	98	6	106			81	124
0777	Toluene										
	0.3 ug/l	N.D.		107	101	5	109			84	119
0778	Ethylbenzene										
	0.3 ug/l	N.D.		105	99	5	110			82	118
0779	Total Xylenes										
	0.6 ug/l	N.D.		105	100	5	111			81	120
0780	Methyl tert-Butyl Ether										
	10. ug/l	N.D.		99	97	2	103			79	125
8268	8015 Mod. for Gasoline	Batch: 98299A02									
5554	TPH-GRO (CA LUFT)										
	50. ug/l	N.D.		105	98	8	98			72	124

#=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

RECEIVED  
 NOV - 4 1998  
 BY: *Donald J. Shelly Jr.*

Questions? Contact your Client Services Representative  
 Jedidiah E. Turzi at (717) 656-2300  
 23:18:40 D 0001 8 134751 637601  
 320 0.00 00004500 ASR000

Respectfully Submitted  
 Michele Turner, B.A.  
 Manager, Volatiles



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



LLI Sample No. WW 3024330

Collected: 10/21/98 at 12:00 by GM

Submitted: 10/23/98 Reported: 11/ 2/98

Discard: 12/ 3/98

MW-11 Grab 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
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SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
8209	BTEX, MTBE (8020)	96	77	125
8268	8015 Mod. for Gasoline	92	61	133

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	10/26/98 1911	Donald L. Shelly, Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	10/26/98 1911	Donald L. Shelly, Jr.

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

*Donald L. Shelly, Jr.*  
for

Respectfully Submitted  
Michele Turner, B.A.  
Manager, Volatiles



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax 717-656-2651



LLI Sample No. **WW 3024331**

Collected: 10/21/98 at 12:15 by GM

Submitted: 10/23/98 Reported: 11/ 2/98

Discard: 12/ 3/98

MW-12 Grab 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
8209	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
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	N.D.	50.	ug/l

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
8209 BTEX, MTBE (8020)		Batch: 98299A02									
0776	Benzene										
0.3	ug/l	N.D.		104	98	6	106			81	124
0777	Toluene										
0.3	ug/l	N.D.		107	101	5	109			84	119
0778	Ethylbenzene										
0.3	ug/l	N.D.		105	99	5	110			82	118
0779	Total Xylenes										
0.6	ug/l	N.D.		105	100	5	111			81	120
0780	Methyl tert-Butyl Ether										
10.	ug/l	N.D.		99	97	2	103			79	125
8268 8015 Mod. for Gasoline		Batch: 98299A02									
5554	TPH-GRO (CA LUFT)										
50.	ug/l	N.D.		105	98	8	98			72	124

#=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  
 23:19:38 D 0001 8 134751 637601  
 320 0.00 00004500 ASR000

Donald J. Shady for

Respectfully Submitted  
 Michele Turner, B.A.  
 Manager, Volatiles



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



LLI Sample No. WW 3024331

Collected: 10/21/98 at 12:15 by GM

Submitted: 10/23/98 Reported: 11/ 2/98

Discard: 12/ 3/98

MW-12 Grab 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 HIGH
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SURROGATE SUMMARY

			SURROGATE LIMITS	
TRIAL ID	SURROGATE	RECOVERY %	LOW	HIGH
8209	BTEX, MTBE (8020)	TFT	77	125
8268	8015 Mod. for Gasoline	TFT	61	133

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	10/26/98 2056	Donald L. Shelly, Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	10/26/98 2056	Donald L. Shelly, Jr.

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

*Donald L. Shelly Jr.*  
 for

Respectfully Submitted  
 Michele Turner, B.A.  
 Manager, Volatiles



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



LLI Sample No. **WW 3024334**

Collected: 10/21/98 at 13:15 by GM

Submitted: 10/23/98 Reported: 11/ 2/98

Discard: 12/ 3/98

RW-1 Grab 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  
 Ref.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
2306	MTBE by GC/MS			
2010	Methyl t-butyl ether	25.	10.	ug/l
8209	BTEX, MTBE (8020)			
0776	Benzene	3,500.	4.	ug/l
0777	Toluene	5,700.	4.	ug/l
0778	Ethylbenzene	660.	4.	ug/l
0779	Total Xylenes	4,100.	10.	ug/l
0780	Methyl tert-Butyl Ether	N.D. #	200.	ug/l
Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE.				
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	35,000.	400.	ug/l

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
2306	MTBE by GC/MS	Batch: 98301A72									
2010	Methyl t-butyl ether	N.D.		119	108	4	109			70	130
8209	BTEX, MTBE (8020)	Batch: 98299A02									
0776	Benzene	N.D.		104	98	6	106			81	124
0777	Toluene	N.D.		107	101	5	109			84	119

#=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  
 23:22:10 D 0001 8 134751 637601  
 320 0.00 00014000 ASR000

Donald J. Shady for

Respectfully Submitted  
 Michele Turner, B.A.  
 Manager, Volatiles



Lancaster Laboratories  
 2425 New Holland Pike  
 PO Box 12425  
 Lancaster, PA 17605-2425  
 717-656-2300 Fax 717-656-3661





LLI Sample No. WW 3024334  
 Collected: 10/21/98 at 13:15 by GM

Submitted: 10/23/98 Reported: 11/ 2/98  
 Discard: 12/ 3/98

RW-1 Grab 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
0778	Ethylbenzene										
4.	ug/l	N.D.		105	99	5	110			82	118
0779	Total Xylenes										
10.	ug/l	N.D.		105	100	5	111			81	120
0780	Methyl tert-Butyl Ether										
200.	ug/l	N.D.		99	97	2	103			79	125
-----											
8268	8015 Mod. for Gasoline	Batch: 98299A02									
-----											
5554	TPH-GRO (CA LUFT)										
400.	ug/l	N.D.		105	98	8	98			72	124
-----											

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
2306	MTBE by GC/MS	98	86	118
8209	BTEX, MTBE (8020)	97	77	125
8268	8015 Mod. for Gasoline	112	61	133

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
2306	MTBE by GC/MS	SW-846 8260B	1	10/29/98 0624	Karen L. Baney
8209	BTEX, MTBE (8020)	SW-846 8020A	1	10/26/98 2240	Donald L. Shelly, Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	10/26/98 2240	Donald L. Shelly, Jr.

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

*Donald L. Shelly, Jr.*  
 for

Respectfully Submitted  
 Michele Turner, B.A.  
 Manager, Volatiles



Lancaster Laboratories  
 2425 New Holland Pike  
 PO Box 12425  
 Lancaster, PA 17609-2425  
 717-656-2300 Fax 717-656-2681



**LLI Sample No. WW 3024335**

Collected: 10/21/98 at 13:30 by GM

Submitted: 10/23/98 Reported: 11/ 2/98

Discard: 12/ 3/98

RW-2 Grab 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
8209	BTEX, MTBE (8020)			
0776	Benzene	4.4	0.3	ug/l
0777	Toluene	6.1	0.3	ug/l
0778	Ethylbenzene	2.8	0.3	ug/l
0779	Total Xylenes	3.9	0.6	ug/l
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	780.	50.	ug/l
Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.				

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS	
										LOW	HIGH
8209 BTEX, MTBE (8020) Batch: 98299A02											
0776	Benzene	N.D.		104	98	6	106			81	124
	0.3 ug/l										
0777	Toluene	N.D.		107	101	5	109			84	119
	0.3 ug/l										
0778	Ethylbenzene	N.D.		105	99	5	110			82	118
	0.3 ug/l										
0779	Total Xylenes	N.D.		105	100	5	111			81	120
	0.6 ug/l										
0780	Methyl tert-Butyl Ether	N.D.		99	97	2	103			79	125
	10. ug/l										
8268 8015 Mod. for Gasoline Batch: 98299A02											

#=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  
 23:22:52 D 0001 8 134751 637601  
 320 0.00 00004500 ASR000

*Donald J. Shady Jr.*  
for

Respectfully Submitted  
 Michele Turner, B.A.  
 Manager, Volatiles



Lancaster Laboratories  
 2425 New Holland Pike  
 PO Box 12425  
 Lancaster, PA 17605-2425  
 717-656-2300 Fax: 717-656-1661



LLI Sample No. WW 3024335

Collected: 10/21/98 at 13:30 by GM

Submitted: 10/23/98 Reported: 11/ 2/98  
Discard: 12/ 3/98

RW-2 Grab 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
5554	TPH-GRO (CA LUFT)										
50.	ug/l	N.D.		105	98	8	98			72	124

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
8209 BTEX, MTBE (8020)		TFT	103	77	125
8268 8015 Mod. for Gasoline		TFT	143	61	133

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	10/27/98 0134	Donald L. Shelly, Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	10/27/98 0134	Donald L. Shelly, Jr.

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

*Donald L. Shelly Jr.*  
for

Respectfully Submitted  
Michele Turner, B.A.  
Manager, Volatiles



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



For Lancaster Laboratories use only  
 Acct. #: 9728 Sample #: 3024330-37

Please print.

SCR#: 1116650

Mobil Consultant/Office: Alton Geoscience - Livermore  
 Consultant Prj. Mgr: Chris Dennis Prj. #: 30-0065-50  
 Consultant Phone #: 925 606-9150 Fax #: 606-9260  
 Location Code #: 04-HG5  
 PRCA/AFE/Release #: 980044 Phase Code: 4L  
 Site Address: 1024 Main Street State: CA  
 Sampler: George Mantross  
 Mobil Engineer: Cherine Fatch

Matrix		Analyses Requested						List total number of containers in the box under each analysis.					
<input type="checkbox"/> Potable <input type="checkbox"/> NPDES	<input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Air	<input checked="" type="checkbox"/> MTBE	<input type="checkbox"/> 8021	<input type="checkbox"/> 8020	<input type="checkbox"/> MOD	<input type="checkbox"/> GRO	<input type="checkbox"/> DRO						
		<input type="checkbox"/> TPH	<input type="checkbox"/> NWTPH	<input type="checkbox"/> Gx	<input type="checkbox"/> Dx	<input type="checkbox"/> Title 22 Metals	<input type="checkbox"/> Lead	<input type="checkbox"/> 7420	<input type="checkbox"/> 7421				

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	BTEX	8020	MOD	GRO	DRO	NWTPH	Gx	Dx	Title 22 Metals	Lead	7420	7421	Remarks	
MW-11	10/21/98	1200	X			X			X	X												*Confirm highest MTBE hit by 8260.
MW-12		1215	X			X			X	X												
MW-10		1230	X			X			X	X												
MW-1		1245	X			X			X	X												
RW-1		1315	X			X			X	X												
RW-2		1330	X			X			X	X												
MW-4		1345	X			X			X	X												
MW-6		1400	X			X			X	X												

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

**Data Package Options** (please circle if requested)    SDG Complete? Yes  No

QC Summary     GLP  
 Type I (Tier I)     Other  
 Type III (NJ Red. Del.)     Disk  
 Type IV (CLP)  
 Type VI (Raw Data)  
 W/P

Site-specific QC required? Yes  No  If yes, indicate QC sample and submit triplicate volume.  
 Internal Chain of Custody required? Yes  No

Relinquished by: [Signature] Date: 8-11-98 Time: 1400

Relinquished by: [Signature] Date: 10/21/98 Time: 1530

Relinquished by: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_

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

Temperature Upon Receipt: 2.5 °C

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

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

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

Received by: [Signature] Date: 10/21/98 Time: 0900

Custody Seals Intact?  Yes    No    N/A