



ENVIRONMENTAL  
PROTECTION

April 27, 1998

98 MAY -4 PM 4:59

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 First 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: Vapor Extraction System Performance Tables and Graphs
- Exhibit 6: Groundwater Remediation Performance Tables
- Exhibit 7: Well Purging and Groundwater Sampling Protocol
- Exhibit 8: Monitoring Well Sampling Forms
- Exhibit 9: Analytical Laboratory Data Sheets

If you have any questions regarding this report, please call Ms. Cherine Foutch, Mobil Engineer, at (925) 625-1173, or Mr. Bill Howell, Alton Geoscience Project Manager, at (925) 606-9150.

Sincerely,

ALTON GEOSCIENCE

Bill Howell  
Project Manager

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  
First Quarter 1998

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

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

<b>Number of water zones:</b>	1	This Page	1
<b>FIELD ACTIVITY:</b>	Date Sampled:		21-Jan-98
Number of ground water wells on-site:	16	Ground Water Wells monitored:	19
Number of ground water wells off-site:	3	Ground Water Wells sampled:	11
		Ground Water Wells with Free Product:	0
Phase of Investigation: Vadose Zone:	Remediation	Ground Water Phase:	Remediation
<b>SITE HYDROGEOLOGY:</b>			
Approximate depth to ground water below ground surface:			38.68 ft
Approximate elevation of potentiometric surface above Mean Sea Level:			309.34 ft
Average Increase/Decrease in ground water elevations since last sampling episode:		Increase:	0.52 ft
Approximate flow direction and hydraulic gradient:		East at:	0.01 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:	6	Volume of Free Product Recovered This Period:	0
Number of wells with concentrations at or above MCL:	5	Volume of Free Product Recovered To Date:	0
		Range in Concentrations:	Benzene: ND<0.3 to 300 ppb TPH-G: ND<50 to 27,000 ppb
Nature of contamination:	Gasoline		
<b>GROUND WATER REMEDIATION PERFORMANCE</b>			
		Date Started:	5-May-95
Technology used:	Pump & treat w/ air stripper	Number of Wells Extracting Ground Water:	4 (RW-1 through RW-4)
Amount of Groundwater Extracted This Quarter(gallons):	416,750	Carbon Change:	N/A
Total Amount of Groundwater Extracted (gallons):	3,550,060		
Operating days this quarter:	91		
Total operating Days:	520		
<b>VAPOR EXTRACTION PERFORMANCE</b>			
		Date Started:	4-Apr-95
Technology used:	Blower & Carbon	Maximum influent Concentration (ppmv):	1,125 ppmv
Number of vapor wells onsite:	9	Maximum Diluted Influent Concentration (ppmv):	270 ppmv
Number of vapor extraction wells open:	3	Amount of hydrocarbons removed this quarter:	78 gals.
Operating Days this quarter:	91	Cumulative amount of hydrocarbons removed:	3,990 gals.
Total operating Days:	523	Operating Mode:	Blower & Carbon
		Conversion Date (changeover to carbon):	10/20/97
<b>ADDITIONAL INFORMATION:</b>			
Monitoring Wells MW-3, MW-5, MW-7, MW-8 and Vapor Wells VMW-1 through VMW-4 are shallow wells which are historically dry. Groundwater samples were collected in accordance with the RWQCB guidelines for no-purge groundwater sampling.			

Prepared by: Bill Howell

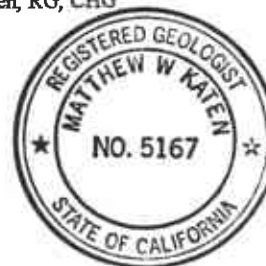
Bill Howell  
Project Manager

Alton Project No: 30-0065

Approved by: Matthew W. Katen  
California RG #5167

Matthew W. Katen, RG, CHG  
Principal

Submission Date: 4/27/98



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

MONITORING WELL SAMPLING SCHEDULE 1998  
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	X	X	X	X
MW-11	X	X	X	X
MW-12	X	X	X	X
RW-1	X	X	X	X
RW-2	X	X	X	X
RW-3	X	X	X	X
RW-4	X	X	X	X
VMW-1*				
VMW-2*				
VMW-3*				
VMW-4*				

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	Groundwater				TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)
		Casing Elevation (feet)	Product Thickness (feet)	Depth to 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-2	04/12/90	348.45	0.00	44.14	304.31	64,000	—	5,500	7,600	1,900	7,800	—	—
MW-2	10/18/90	348.45	0.00	43.18	305.27	83,000	10,000	6,800	9,100	2,400	11,000	—	—
MW-2	08/06/91	348.45	0.00	39.19	309.26	160,000	—	16,000	25,000	4,300	19,000	—	—
MW-2	01/08/92	348.45	0.02	39.40	309.07	—	—	—	—	—	—	—	—
MW-2	04/30/92	348.45	0.00	40.50	307.95	71,000	—	9,200	19,000	3,700	15,000	—	—
MW-2	07/31/92	348.45	0.15	43.64	304.92	—	—	—	—	—	—	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater					Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)
					Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)				
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-3	04/12/90	347.97	0.00	23.18	324.79	2,100	—	32	56	31	170	—	—
MW-3	10/18/90	347.97	0.00	14.28	333.69	110	ND	3	3	1	5	—	—
MW-3	08/06/91	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-3	01/08/92	347.97	0.00	32.36	315.61	680	—	8.9	26	8.5	72	—	—
MW-3	04/30/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-3	07/31/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-3	10/27/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-3	01/22/93	347.97	0.00	27.30	320.67	2,600	—	240	300	170	440	—	—
MW-3	04/05/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-3	07/06/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-3	11/30/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-3	01/27/94	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-3	04/25/94	347.97	—	Dry	—	—	—	—	—	—	—	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater					Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)
					Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)				
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-4	10/18/90	348.07	0.00	43.16	304.91	9,600	2,000	180	500	200	1,200	—	—
MW-4	08/06/91	348.07	0.00	38.65	309.42	8,600	—	320	420	220	650	—	—
MW-4	01/08/92	348.07	0.00	38.65	309.42	3,400	—	600	880	220	1,100	—	—
MW-4	04/30/92	348.07	0.00	39.88	308.19	7,200	—	650	1,200	210	1,200	—	—
MW-4	07/31/92	348.07	0.00	43.07	305.00	3,800	—	320	340	120	360	—	—
MW-4	10/27/92	348.07	0.00	42.78	305.29	9,000	—	440	750	190	900	—	—
MW-4	01/22/93	348.07	0.00	34.76	313.31	12,000	—	540	1,200	320	1,900	—	—
MW-4	04/05/93	348.07	0.00	33.61	314.46	1,100	—	34	18	12	31	—	—
MW-4	07/06/93	348.07	0.00	35.37	312.70	4,000	—	220	300	43	440	—	—
MW-4	11/30/93	348.07	0.00	37.78	310.29	1,400	—	140	83	54	110	—	—
MW-4	01/27/94	348.07	0.00	42.10	305.97	910	—	140	75	24	94	—	—
MW-4	04/25/94	348.07	0.00	40.28	307.79	—	—	—	—	—	—	—	—
MW-4	04/26/94	348.07	—	—	—	27,000	—	1,200	1,800	580	2,500	—	—
MW-4	07/08/94	348.07	0.00	41.38	306.69	540	—	57	47	17	43	—	—
MW-4	10/05/94	348.07	0.00	42.17	305.90	3,200	—	230	280	73	210	—	—
MW-4	02/21/95	348.07	0.02	34.87	313.22	—	—	—	—	—	—	—	—
MW-4	05/03/95	348.07	0.00	34.81	313.26	—	—	—	—	—	—	—	—
MW-4	05/04/95	348.07	—	—	—	1,700	—	100	200	50	240	—	—
MW-4	08/04/95	348.07	0.00	37.18	310.89	2,500	—	92	67	49	150	12	—
MW-4	11/10/95	348.07	0.00	39.86	308.21	11,000	—	1,100	590	420	1,200	—	—
MW-4	02/12/96	348.07	0.00	36.38	311.69	77	—	4.5	2.4	ND	2.8	17	—



## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater					Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)
					Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)				
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-5	10/18/90	347.97	—	**	—	—	—	—	—	—	—	—	—
MW-5	08/06/91	347.97	0.00	34.25	313.72	—	—	—	—	—	—	—	—
MW-5	01/08/92	347.97	0.00	34.22	313.75	—	—	—	—	—	—	—	—
MW-5	04/30/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	07/31/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	10/27/92	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	01/22/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	04/05/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	07/06/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	11/30/93	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	01/27/94	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	04/25/94	347.97	0.00	34.23	313.74	—	—	—	—	—	—	—	—
MW-5	07/08/94	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	02/21/95	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	05/03/95	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	08/04/95	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	11/10/95	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	02/12/96	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	05/17/96	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	08/12/96	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	11/08/96	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	02/12/97	347.97	—	Dry	—	—	—	—	—	—	—	—	—
MW-5	03/17/97	347.97	0.00	34.21	313.76	—	—	—	—	—	—	—	—
MW-5	05/13/97	347.97	—	—	—	—	—	—	—	—	—	—	—
MW-5***	08/12/97	347.97	0.00	34.22	313.75	—	—	—	—	—	—	—	—
MW-5	10/31/97	347.97	0.00	34.19	313.78	—	—	—	—	—	—	—	—
MW-5	01/21/98	347.97	0.00	31.25	316.72	—	—	—	—	—	—	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater					Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)
					Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)				
MW-6	10/18/90	348.23	0.00	43.60	304.63	3,000	ND	1,300	150	120	85	—	—
MW-6	08/06/91	348.23	0.00	39.07	309.16	1,600	—	220	10	5.2	14	—	—
MW-6	01/08/92	348.23	0.00	39.18	309.05	370	—	81	3.9	4.5	2.9	—	—
MW-6	04/30/92	348.23	0.00	40.46	307.77	610	—	180	8.4	6.8	3.3	—	—
MW-6	07/31/92	348.23	0.00	43.61	304.62	96	—	1,500	1,500	370	1,100	—	—
MW-6	10/27/92	348.23	0.00	43.68	304.55	9,400	—	27	ND	6	10	—	—
MW-6	01/22/93	348.23	0.00	35.66	312.57	250	—	12	2.4	1.4	1.9	—	—
MW-6	04/05/93	348.23	0.00	34.41	313.82	190	—	2.3	0.99	ND	0.5	—	—
MW-6	07/06/93	348.23	0.00	36.01	312.22	99	—	1.4	0.54	ND	ND	—	—
MW-6	11/30/93	348.23	0.00	38.36	309.87	86	—	9.1	ND	ND	ND	—	—
MW-6	01/27/94	348.23	0.00	42.57	305.66	140	—	1.7	ND	ND	ND	—	—
MW-6	04/25/94	348.23	0.00	40.77	307.46	—	—	—	—	—	—	—	—
MW-6	04/26/94	348.23	—	—	—	330	—	40	ND	ND	ND	—	—
MW-6	07/08/94	348.23	0.00	41.82	306.41	170	—	8.8	9.2	3.5	12	—	—
MW-6	10/05/94	348.23	0.00	42.64	305.59	600	—	100	5.6	11	12	—	—
MW-6	02/21/95	348.23	0.01	35.55	312.69	—	—	—	—	—	—	—	—
MW-6	05/03/95	348.23	0.00	35.47	312.76	—	—	—	—	—	—	—	—
MW-6	05/04/95	348.23	—	—	—	350	—	6.8	1.8	7.4	7.1	—	—
MW-6	08/04/95	348.23	0.00	37.72	310.51	150	—	3.8	1.7	ND	1.1	6.5	—
MW-6	11/10/95	348.23	0.00	40.31	307.92	130	—	6.6	0.96	1.6	1.7	—	—
MW-6	02/12/96	348.23	0.00	36.92	311.31	65	—	2.8	1.6	0.57	1.3	5.2	—
MW-6	05/17/96	348.23	0.00	36.56	311.67	91	—	2.8	ND	ND	ND	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-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	—	—	—	—	—	—	—	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	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)
		Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)									
MW-7	10/27/92	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	01/22/93	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	04/05/93	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	07/06/93	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	11/30/93	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	01/27/94	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	04/25/94	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	07/08/94	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	02/21/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	05/03/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	08/04/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	11/10/95	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	02/12/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	05/17/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	08/12/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	11/08/96	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	02/12/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	03/17/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	05/13/97	347.90	—	—	—	—	—	—	—	—	—	—	—	
MW-7	08/12/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	10/31/97	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-7	01/21/98	347.90	—	Dry	—	—	—	—	—	—	—	—	—	
MW-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	—	—	—	—	—	—	—	—	—	—	—	

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater					Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)
					Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)				
MW-8	02/21/95	348.90	—	Dry	—	—	—	—	—	—	—	—	—
MW-8	05/03/95	348.90	—	Dry	—	—	—	—	—	—	—	—	—
MW-8	08/04/95	348.90	—	Dry	—	—	—	—	—	—	—	—	—
MW-8	11/10/95	348.90	—	Dry	—	—	—	—	—	—	—	—	—
MW-8	02/12/96	348.90	—	Dry	—	—	—	—	—	—	—	—	—
MW-8	05/17/96	348.90	—	Dry	—	—	—	—	—	—	—	—	—
MW-8	08/12/96	348.90	—	Dry	—	—	—	—	—	—	—	—	—
MW-8	11/08/96	348.90	—	Dry	—	—	—	—	—	—	—	—	—
MW-8	02/12/97	348.90	—	Dry	—	—	—	—	—	—	—	—	—
MW-8	03/17/97	348.90	—	Dry	—	—	—	—	—	—	—	—	—
MW-8	05/13/97	348.90	—	—	—	—	—	—	—	—	—	—	—
MW-8	08/12/97	348.90	—	Dry	—	—	—	—	—	—	—	—	—
MW-8	10/31/97	348.90	0.00	18.88	330.02	—	—	—	—	—	—	—	—
MW-8	01/21/98	348.90	0.00	19.50	329.40	—	—	—	—	—	—	—	—
MW-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	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater					Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)
					Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)				
MW-10	08/04/95	347.95	0.00	37.42	310.53	ND	—	ND	ND	ND	ND	ND	—
MW-10	11/10/95	347.95	0.00	39.95	308.00	ND	—	ND	ND	ND	ND	—	—
MW-10	02/12/96	347.95	0.00	36.57	311.38	ND	—	ND	1.9	ND	1.2	1.2	—
MW-10	05/17/96	347.95	0.00	36.18	311.77	ND	—	ND	ND	ND	ND	ND	—
MW-10	08/12/96	347.95	0.00	38.76	309.19	ND	—	ND	ND	ND	ND	ND	—
MW-10	11/08/96	347.95	0.00	40.35	307.60	ND	—	ND	ND	ND	ND	ND	—
MW-10	02/12/97	347.95	0.00	34.62	313.33	—	—	—	—	—	—	—	—
MW-10†	03/17/97	347.95	0.00	37.40	310.55	ND	—	ND	ND	ND	ND	ND	—
MW-10†	05/13/97	347.95	0.00	38.08	309.87	ND	—	ND	ND	ND	ND	ND	—
MW-10†	08/12/97	347.95	0.00	40.97	306.98	ND	—	ND	ND	ND	ND	ND	—
MW-10†	10/31/97	347.95	0.00	41.29	306.66	ND	—	ND	ND	ND	ND	ND	—
MW-10†	01/21/98	347.95	0.00	41.88	306.07	ND	—	ND	ND	ND	ND	ND	—
MW-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-12	11/30/93	347.15	0.00	37.97	309.18	55	—	1.8	4.3	2.5	11	—	—
MW-12	01/27/94	347.15	0.00	44.02	303.13	ND	—	ND	ND	ND	ND	—	—
MW-12	04/25/94	347.15	0.00	42.27	304.88	—	—	—	—	—	—	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater					Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)
					Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)				
MW-12	04/26/94	347.15	—	—	—	ND	—	ND	ND	ND	1.4	—	—
MW-12	07/08/94	347.15	0.00	43.26	303.89	53	—	8.4	7.4	1.9	7.1	—	—
MW-12	10/05/94	347.15	0.00	44.32	302.83	350	—	27	56	13	67	—	—
MW-12	02/21/95	347.15	0.00	37.83	309.32	ND	—	4.0	4.0	0.77	3.6	—	—
MW-12	05/03/95	347.15	0.00	37.24	309.91	ND	—	ND	ND	ND	ND	—	—
MW-12	08/04/95	347.15	0.00	39.07	308.08	ND	—	ND	ND	ND	ND	ND	—
MW-12	11/10/95	347.15	0.00	41.24	305.91	ND	—	ND	ND	ND	ND	—	—
MW-12	02/12/96	347.15	0.00	38.19	308.96	ND	—	ND	2.1	ND	1.3	2.5	—
MW-12**	05/17/96	347.15	—	—	—	—	—	—	—	—	—	—	—
MW-12	08/12/96	347.15	0.00	40.32	306.83	ND	—	ND	ND	ND	ND	ND	—
MW-12	11/08/96	347.15	0.00	41.32	305.83	ND	—	ND	ND	ND	ND	ND	—
MW-12	02/12/97	347.15	0.00	35.98	311.17	—	—	—	—	—	—	—	—
MW-12†	03/17/97	347.15	0.00	38.67	308.48	ND	—	ND	ND	ND	ND	ND	—
MW-12†	05/13/97	347.15	0.00	39.68	307.47	ND	—	ND	ND	ND	ND	ND	—
MW-12†	08/12/97	347.15	0.00	42.81	304.34	ND	—	ND	ND	ND	ND	ND	—
MW-12†	10/31/97	347.15	0.00	43.28	303.87	ND	—	ND	ND	ND	ND	ND	—
MW-12†	01/21/98	347.15	0.00	43.10	304.05	ND	—	ND	ND	ND	ND	ND	—
VMW-1	11/30/93	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	01/27/94	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	04/25/94	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	07/08/94	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	10/05/94	348.05	—	—	—	—	—	—	—	—	—	—	—
VMW-1	02/21/95	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	05/03/95	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	08/04/95	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	11/10/95	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	02/12/96	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	05/17/96	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	08/12/96	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	11/08/96	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	02/12/97	348.05	0.00	30.60	—	—	—	—	—	—	—	—	—
VMW-1	03/17/97	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	05/13/97	348.05	—	—	—	—	—	—	—	—	—	—	—
VMW-1	08/12/97	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	10/31/97	348.05	—	Dry	—	—	—	—	—	—	—	—	—
VMW-1	01/21/98	348.05	—	Dry	—	—	—	—	—	—	—	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater					Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)
					Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)				
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-3	11/30/93	348.10	—	Dry	—	—	—	—	—	—	—	—	—
VMW-3	01/27/94	348.10	—	Dry	—	—	—	—	—	—	—	—	—
VMW-3	04/25/94	348.10	Trace	31.23	316.87	—	—	—	—	—	—	—	—
VMW-3	07/08/94	348.10	—	Dry	—	—	—	—	—	—	—	—	—
VMW-3	02/21/95	348.10	—	Dry	—	—	—	—	—	—	—	—	—
VMW-3	05/03/95	348.10	—	Dry	—	—	—	—	—	—	—	—	—
VMW-3	08/04/95	348.10	—	Dry	—	—	—	—	—	—	—	—	—
VMW-3	11/10/95	348.10	—	Dry	—	—	—	—	—	—	—	—	—
VMW-3	02/12/96	348.10	—	Dry	—	—	—	—	—	—	—	—	—
VMW-3	05/17/96	348.10	—	Dry	—	—	—	—	—	—	—	—	—
VMW-3	08/12/96	348.10	—	Dry	—	—	—	—	—	—	—	—	—
VMW-3	11/08/96	348.10	—	Dry	—	—	—	—	—	—	—	—	—
VMW-3	02/12/97	348.10	—	Dry	—	—	—	—	—	—	—	—	—
VMW-3	03/17/97	348.10	0.00	31.29	316.81	—	—	—	—	—	—	—	—
VMW-3	05/13/97	348.10	—	—	—	—	—	—	—	—	—	—	—
VMW-3	08/12/97	348.10	—	Dry	—	—	—	—	—	—	—	—	—
VMW-3	10/31/97	348.10	0.00	31.21	316.89	—	—	—	—	—	—	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater					Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)
					Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)				
VMW-3	01/21/98	348.10	0.00	31.25	316.85	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—
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	—



## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater					Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)
					Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)				
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-2	10/05/94	347.82	0.00	43.33	304.49	41,000	—	6,500	6,300	1,000	5,400	—	—
RW-2	02/21/95	347.82	0.00	35.05	312.77	45,000	—	6,200	2,600	1,400	5,600	—	—
RW-2	05/03/95	347.82	0.00	35.11	312.71	30,000	—	3,600	2,000	1,000	5,700	—	—
RW-2	08/04/95	347.82	0.00	37.35	310.47	21,000	—	4,100	1,400	810	3,200	ND	—
RW-2	11/10/95	347.82	0.00	41.02	306.80	26,000	—	2,600	990	810	2,700	—	—
RW-2	02/12/96	347.82	0.00	38.63	309.19	10,000	—	600	600	230	1,900	ND	—
RW-2	05/17/96	347.82	0.00	48.56	299.26	4,000	—	300	64	86	470	10	—
RW-2	08/12/96	347.82	0.00	44.74	303.08	5,400	—	1,100	36	320	190	ND	—
RW-2	11/08/96	347.82	—	—	—	3,500	—	480	48	150	150	ND	—
RW-2	02/12/97	347.82	0.00	48.10	299.72	—	—	—	—	—	—	—	—
RW-2†	03/17/97	347.82	0.00	50.90	296.92	1,100	—	180	21	42	56	ND	—
RW-2†	05/13/97	347.82	0.00	38.11	309.71	3,500	—	680	93	150	300	ND	—
RW-2†	08/12/97	347.82	0.00	44.22	303.60	1,200	—	180	6.7	44	27	ND	—
RW-2†	10/31/97	347.82	0.00	49.13	298.69	440	—	8.9	3.6	1.5	90	ND	—
RW-2†	01/21/98	347.82	0.00	49.39	298.43	ND	—	ND	ND	ND	ND	ND	—
RW-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-4	10/05/94	348.29	0.00	42.62	305.67	130	—	11	4.9	1.5	9.2	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater					Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)
					Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)				
RW-4	02/21/95	348.29	0.02	35.40	312.91	—	—	—	—	—	—	—	—
RW-4	05/03/95	348.29	0.00	35.03	313.26	—	—	—	—	—	—	—	—
RW-4	05/04/95	348.29	—	—	—	2,900	—	330	130	120	410	—	—
RW-4	08/04/95	348.29	0.00	37.62	310.67	520	—	63	ND	14	2.1	6.1	—
RW-4	11/10/95	348.29	0.00	40.26	308.03	450	—	94	28	31	43	—	—
RW-4	02/12/96	348.29	0.00	36.84	311.45	52	—	1.5	2.0	2.9	2.4	4.0	—
RW-4	05/17/96	348.29	0.00	36.58	311.71	160	—	7.7	2.3	26	1.4	ND	—
RW-4	08/12/96	348.29	0.00	38.96	309.33	ND	—	ND	ND	ND	ND	ND	—
RW-4	11/08/96	348.29	—	—	—	ND	—	ND	ND	ND	ND	ND	—
RW-4	02/12/97	348.29	0.00	34.95	313.34	—	—	—	—	—	—	—	—
RW-4†	03/17/97	348.29	0.00	37.75	310.54	ND	—	ND	ND	ND	ND	ND	—
RW-4†	05/13/97	348.29	0.00	38.36	309.93	ND	—	ND	ND	ND	ND	ND	—
RW-4†	08/12/97	348.29	0.00	41.28	307.01	ND	—	ND	ND	ND	ND	ND	—
RW-4†	10/31/97	348.29	0.00	41.75	306.54	ND	—	ND	ND	ND	ND	ND	—
RW-4†	01/21/98	348.29	0.00	41.61	306.68	ND	—	ND	ND	ND	ND	ND	—

### 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	—	—	—	—	—	—	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater					Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)
					Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)				
MW-2#	12/16/92	349.83	—	—	—	1,600	—	28	ND	5.1	5.6	—	—
MW-2#	02/02/93	349.83	0.00	39.18	310.65	—	—	—	—	—	—	—	—
MW-2#	03/01/93	349.83	0.00	34.33	315.50	—	—	—	—	—	—	—	—
MW-2#	04/14/93	349.83	0.00	37.56	312.27	4,300	—	7.2	5.8	13	10	—	—
MW-2#	05/14/93	349.83	0.00	37.49	312.34	—	—	—	—	—	—	—	—
MW-2#	06/15/93	349.83	0.00	39.34	310.49	—	—	—	—	—	—	—	—
MW-2#	07/06/93	349.83	0.00	37.82	312.01	4,700	—	17	15	30	28	—	—
MW-2#	11/30/93	349.51	—	—	—	—	—	—	—	—	—	—	—
MW-2#	01/27/94	349.51	0.00	43.15	306.36	1,500	—	28	9.0	ND	20	—	—
MW-2#	04/25/94	349.51	0.00	41.90	307.61	1,100	—	19	1.7	2.5	8.8	—	—
MW-2#	07/08/94	349.51	0.00	42.75	306.76	1,100	—	17	ND	ND	6	—	—
MW-2#	10/05/94	349.51	0.00	43.50	306.01	240	—	4.7	2.5	0.52	2.6	—	—
MW-2#	01/04/95	349.51	0.00	44.75	304.76	2,000	—	23	ND	ND	ND	—	—
MW-2#	05/03/95	349.51	0.00	36.98	312.53	—	—	—	—	—	—	—	—
MW-2#	08/04/95	349.51	0.00	39.15	310.36	2,000	—	40	ND	17	43	—	—
MW-2#	11/10/95	349.51	0.00	41.45	308.06	1,400	—	13	2.8	2.7	4.0	—	—
MW-2#	02/12/96	349.51	0.00	38.11	311.40	3,200	—	66	9.2	27	35	ND	—
MW-2#	08/19/96	349.51	0.00	40.39	309.12	—	—	—	—	—	—	—	—
MW-2#	02/12/97	349.51	0.00	36.37	313.14	—	—	—	—	—	—	—	—
MW-3#	12/16/92	351.35	—	—	—	ND	—	ND	ND	ND	ND	—	—
MW-3#	02/02/93	351.35	0.00	40.62	310.73	—	—	—	—	—	—	—	—
MW-3#	03/01/93	351.35	0.00	35.7	315.65	—	—	—	—	—	—	—	—
MW-3#	04/14/93	351.35	0.00	38.97	312.38	ND	—	ND	ND	ND	ND	—	—
MW-3#	05/14/93	351.35	0.00	39.07	312.28	—	—	—	—	—	—	—	—
MW-3#	06/15/93	351.35	0.00	40.68	310.67	—	—	—	—	—	—	—	—
MW-3#	07/06/93	351.35	0.00	37.82	313.53	ND	—	ND	ND	ND	ND	—	—
MW-3#	11/30/93	351.04	—	—	—	—	—	—	—	—	—	—	—
MW-3#	01/27/94	351.04	0.00	44.25	306.79	ND	—	ND	ND	ND	ND	—	—
MW-3#	04/25/94	351.04	0.00	43.23	307.81	ND	—	ND	1.4	ND	1.8	—	—
MW-3#	07/08/94	351.04	0.00	44.01	307.03	ND	—	ND	ND	ND	ND	—	—
MW-3#	10/05/94	351.04	0.00	44.66	306.38	ND	—	ND	ND	ND	ND	—	—
MW-3#	01/04/95	351.04	0.00	44.90	306.14	ND	—	ND	ND	ND	ND	—	—
MW-3#	05/03/95	351.04	0.00	38.61	312.43	—	—	—	—	—	—	—	—
MW-3#	08/04/95	351.04	0.00	40.75	310.29	—	—	—	—	—	—	—	—
MW-3#	11/10/95	351.04	0.00	42.68	308.36	—	—	—	—	—	—	—	—

## Groundwater Levels and Chemical Analysis

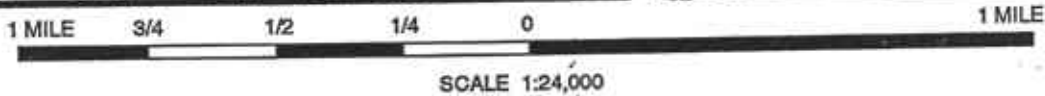
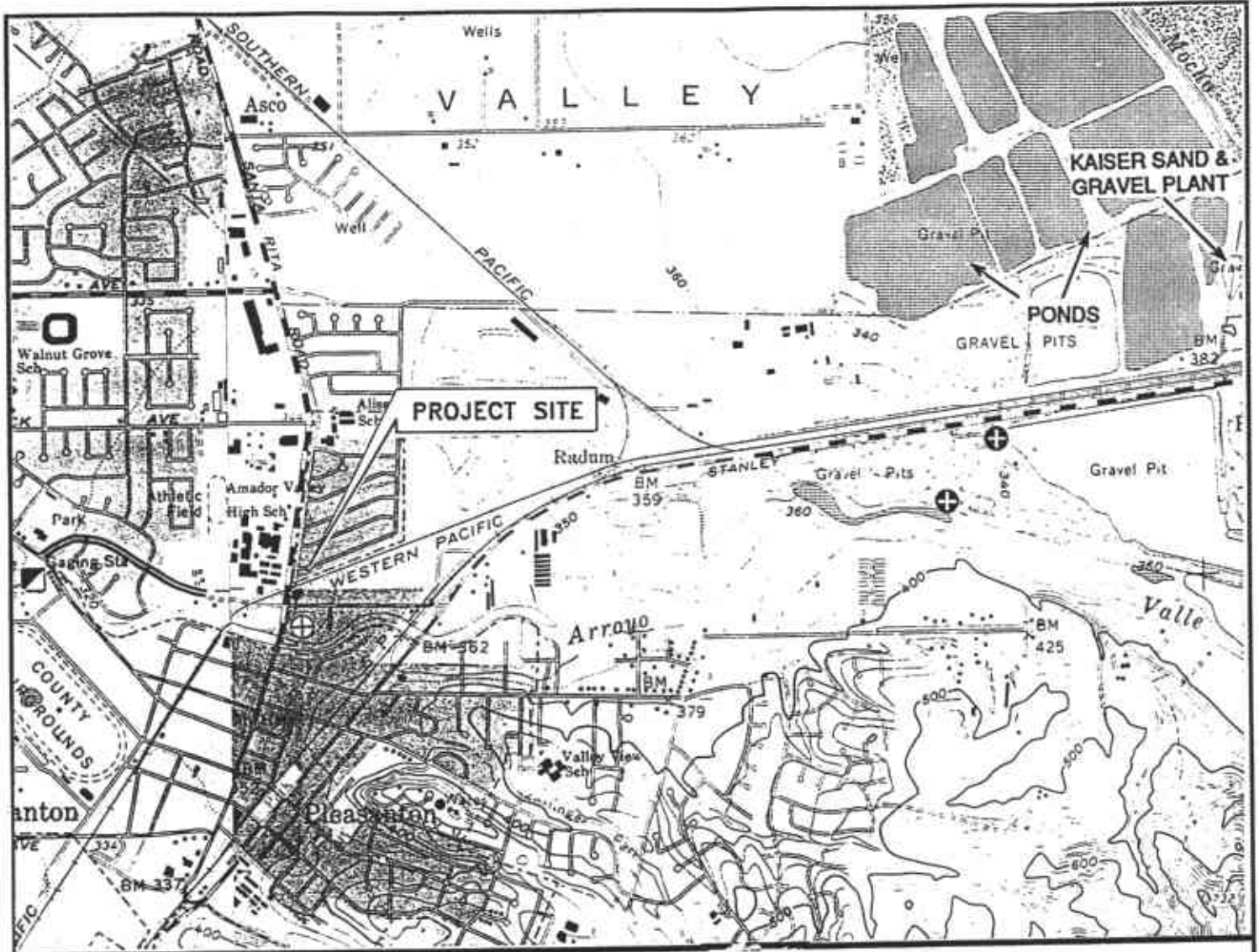
Former Mobil Station 04-H6J

Sample ID	Date	Casing Elevation (feet)	Product Thickness (feet)	Depth to Water (feet)	Groundwater					Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8260 (ppb)
					Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)				
MW-3#	02/12/96	351.04	0.00	39.54	311.50	—	—	—	—	—	—	—	—
MW-3#	08/19/96	351.04	0.00	41.80	309.24	—	—	—	—	—	—	—	—
MW-3#	02/12/97	351.04	0.00	37.74	313.30	—	—	—	—	—	—	—	—
MW-4#	01/27/94	350.14	0.00	43.37	306.77	ND	—	ND	ND	ND	ND	—	—
MW-4#	04/25/94	350.14	0.00	42.28	307.86	ND	—	ND	1.2	ND	1.5	—	—
MW-4#	07/08/94	350.14	0.00	43.2	306.94	ND	—	ND	ND	ND	ND	—	—
MW-4#	10/05/94	350.14	0.00	43.97	306.17	ND	—	ND	ND	ND	ND	—	—
MW-4#	01/04/95	350.14	0.00	44.96	305.18	ND	—	ND	ND	ND	ND	—	—
MW-4#	05/03/95	350.14	0.00	36.06	314.08	—	—	—	—	—	—	—	—
MW-4#	08/04/95	350.14	0.00	38.10	312.04	63	—	0.77	1.1	1.9	15	—	—
MW-4#	11/10/95	350.14	0.00	40.61	309.53	—	—	—	—	—	—	—	—
MW-4#	02/12/96	350.14	0.00	37.24	312.90	ND	—	ND	0.98	ND	0.67	—	—
MW-4#	08/19/96	350.14	0.00	39.08	311.06	—	—	—	—	—	—	—	—
MW-4#	02/12/97	350.14	0.00	35.51	314.63	—	—	—	—	—	—	—	—
MW-5#	01/27/94	349.33	0.00	44.76	304.57	320	—	1.8	1.3	2.6	4.5	—	—
MW-5#	04/25/94	349.33	0.00	44.30	305.03	160	—	ND	1.9	1.4	1.9	—	—
MW-5#	07/08/94	349.33	0.00	45.17	304.16	120	—	ND	ND	1.1	1.8	—	—
MW-5#	10/05/94	349.33	0.00	46.07	303.26	83	—	0.73	0.90	ND	3.0	—	—
MW-5#	01/04/95	349.33	0.00	46.38	302.95	210	—	ND	0.74	ND	0.90	—	—
MW-5#	05/03/95	349.33	0.00	36.64	312.69	580	—	6.9	1.5	1.6	1.7	—	—
MW-5#	08/04/95	349.33	0.00	39.00	310.33	550	—	5.4	0.76	1.2	11	—	—
MW-5#	11/10/95	349.33	0.00	42.59	306.74	300	—	0.99	1.2	0.98	0.58	—	—
MW-5#	02/12/96	349.33	0.00	37.25	312.08	420	—	8.2	2.1	1.7	1.2	—	—
MW-5#	08/19/96	349.33	0.00	39.90	309.43	—	—	—	—	—	—	—	—
MW-5#	02/12/97	349.33	0.00	35.93	313.40	—	—	—	—	—	—	—	—

**NOTES:**

ppb = parts per billion  
 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



Source: U.S.G.S. Map  
Livermore Quadrangle  
California  
7.5 Minute Series

**LEGEND**

- ▣ U.S.G.S. Gauging Station
- ⊕ City of Pleasanton Monitoring Well
- ⊕ Kaiser Discharge to Arroyo Valle



**VICINITY MAP**







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

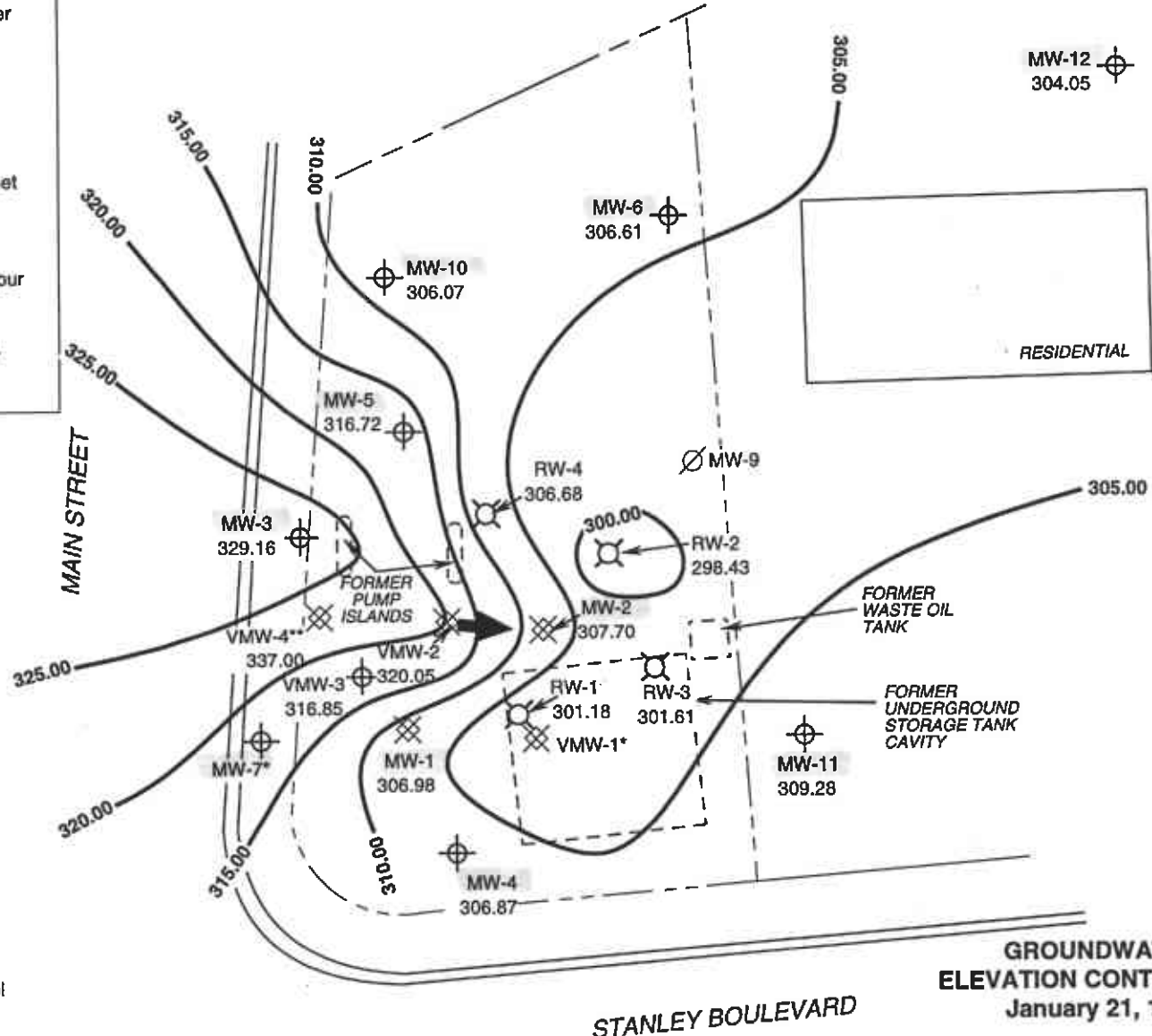
**FIGURE 1**

**ALTON  
GEOSCIENCE**  
Livermore, California

Project No. 30-0065

**LEGEND**

-  MW-12 Groundwater monitoring well
-  RW-3 Vapor extraction/groundwater recovery well
-  MW-2 Vapor extraction well
-  MW-9 Abandoned well
- 304.34 Groundwater elevation, in feet above mean sea level [NGVD-1929]
-  Groundwater elevation contour line
-  General direction of groundwater gradient

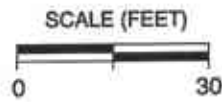


**NOTES:**  
 Contour lines are interpretive based on fluid level measurements collected January 21, 1998.  
 Contour interval = 5.00 feet. \* = dry well.  
 \*\* = anomalous data not used in contouring.

**GROUNDWATER ELEVATION CONTOUR MAP**  
 January 21, 1998

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

**FIGURE 2**

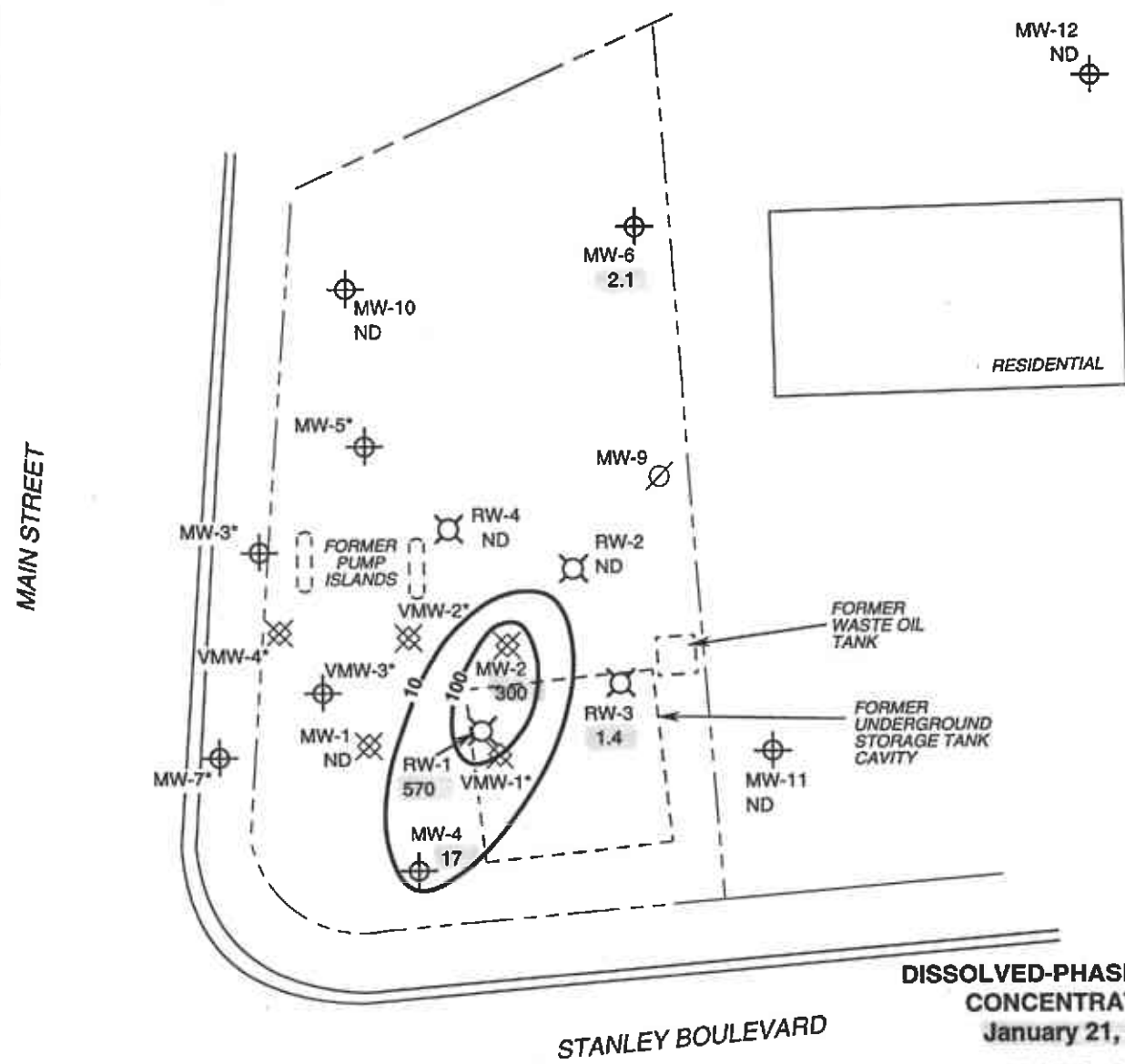
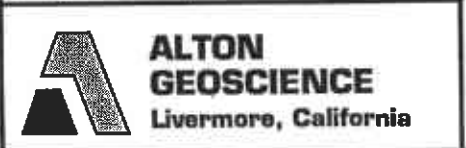


**LEGEND**

- ⊕ MW-12 ND Groundwater monitoring well showing dissolved-phase benzene concentration in ppb
- ⊗ RW-3 Vapor extraction/groundwater recovery well
- ⊗ MW-2 Vapor extraction well
- ⊗ MW-9 Abandoned well
- Dissolved-phase benzene isoconcentration line



**NOTES:**  
 Results are based on groundwater samples collected January 21, 1998. ND = not detected at or above method detection limit; ppb = parts per billion; \* = not sampled.



**DISSOLVED-PHASE BENZENE CONCENTRATIONS**  
 January 21, 1998

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



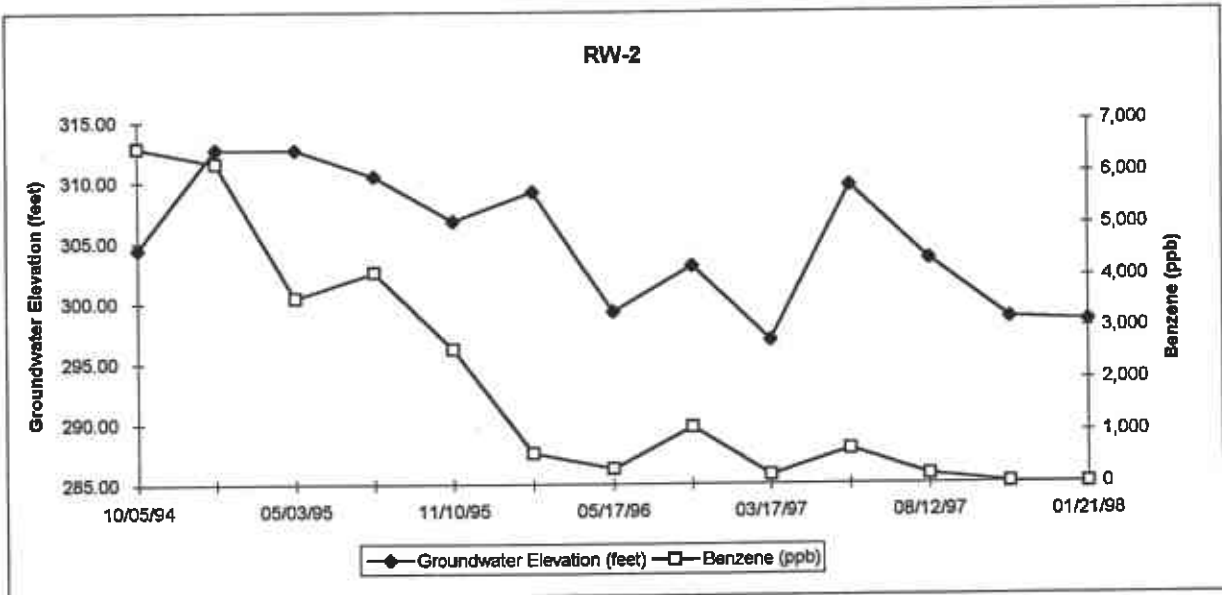
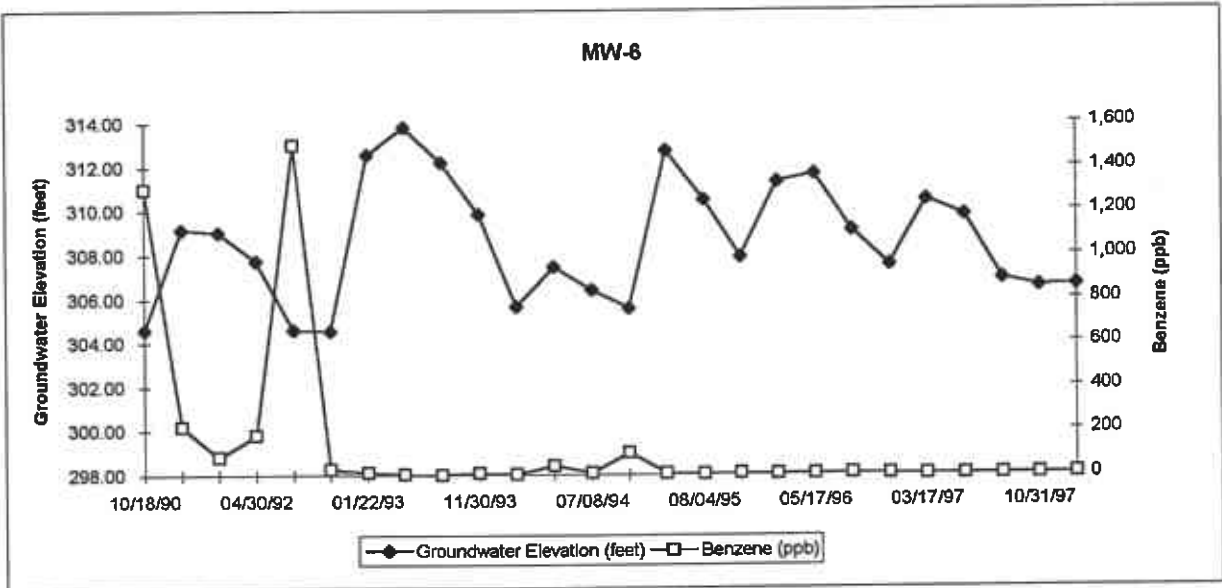
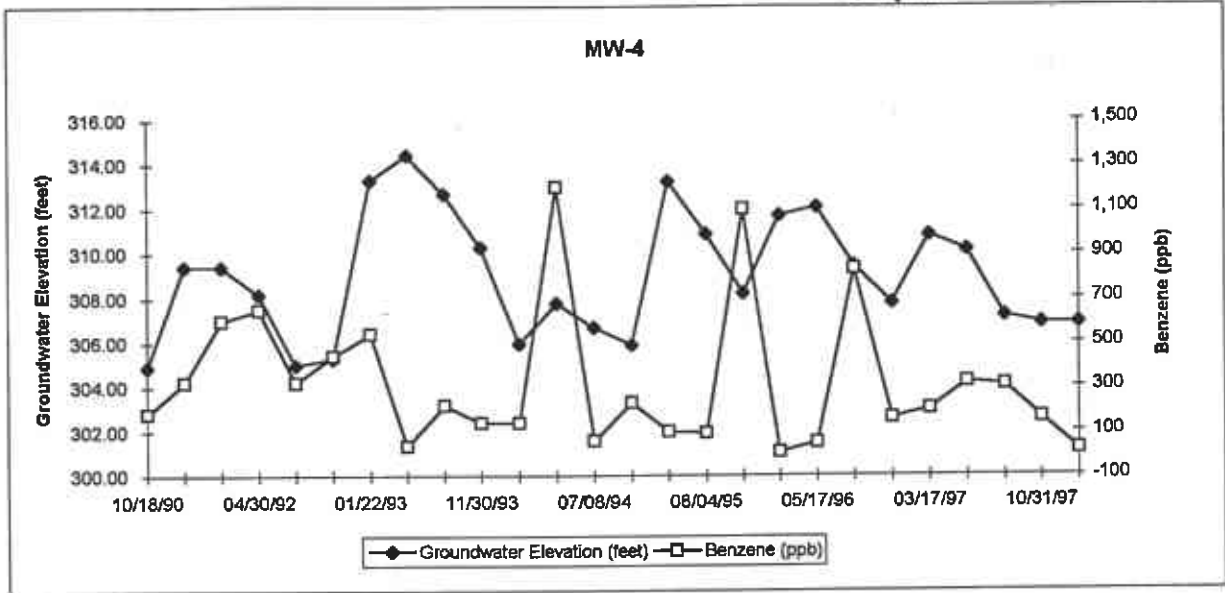
**FIGURE 3**

**EXHIBIT 4**

**BENZENE VERSUS GROUNDWATER ELEVATION GRAPHS**



## Benzene vs. Groundwater Elevation Graphs



NOTE: ND values are plotted as zero.

**EXHIBIT 5**

**VAPOR EXTRACTION SYSTEM PERFORMANCE TABLES AND GRAPHS**

## Vapor Extraction System Monitoring

Former Mobil Station # 04-H6J

Date  (m/d/yy)	Operation Time			INFLUENT						EFFLUENT					RECOVERY DATA			
	Hour Meter Reading (hours)	Operating Time (hours)	Up-Time Per Period (%)	Total Flow Rate (cfm)	Vacuum Reading at Well Header (in. H2O)	Inlet Temp. (deg F)	Total Well TPH-G Conc. (ppmv)	Influent TPH-G Conc. Total Well + Air Stripper (ppmv)		Effluent TPH-G Conc. (ppmv)		Effluent Benzene Conc. (ppmv)	Mass Emission TPH-G (lbs/day)	Mass Emission Benzene (lbs/day)	Outlet Temp. (deg F)	HC Recovery Per Period (gallons)	Cumulative HC Recovery (gallons)	Destruction Efficiency TPH-G (%)
								Field	Lab	Field	Lab							
4/4/95	11	0	0%	175	57	600	10,480	10,480	11,000	0	<1.2	0.030	0.0809	0.0008	809	0	0	100.0
4/12/95	202	191	99%	324	96	601	5,100	5,100		0					850	986	986	
4/22/95	440	238	99%	314	96	599	2,400	2,400		0					764	756	1,742	
4/26/95	536	95	99%	432	96	597	1,890	1,890	390	0	2.8	<0.016	0.4659	0.0020	710	202	1,944	99.3
5/5/95	601	66	31%	452	95	601	1,800	750		0					885	102	2,046	
5/12/95	768	167	99%	678	100	601	960	460	350	0	<2.3	<0.031	0.6006	0.0060	742	152	2,197	99.3
5/19/95	936	168	100%	678	100	601	1,010	310		0					701	116	2,314	
5/26/95	1080	144	100%	530	100	600	840	210		0					675	60	2,374	
6/1/95	1248	168	100%	535	97	598	870	270		0					683	57	2,431	
6/8/95	1415	167	99%	530	100	599	700	150	280	0	<1.2	<0.016	0.2450	0.0024	658	50	2,481	99.6
6/16/95	1607	192	100%	545	100	600	400	190		0					648	47	2,527	
6/23/95	1664	57	34%	540	98	601	520	180		0					647	15	2,542	
6/28/95	1695	31	26%	545	94	600	820	350		0					641	12	2,554	
7/7/95	1907	212	98%	545	90	601	320	140		0					635	75	2,629	
7/13/95	2055	148	103%	432	88	606	300	150		0					611	28	2,657	
7/18/95	2106	51	43%	471	74	599	650	230	320	0	2.1	0.044	0.3810	0.0059	648	12	2,669	99.3
7/28/95	2300	194	81%	432	84	NA	430	200		0					NA	50	2,719	
8/4/95	2303	3	2%	452	83	NA	690	270		0					NA	1	2,720	
8/11/95	2406	103	31%	589	88	NA	430	250		0					NA	37	2,757	
8/18/95	2440	34	20%	353	86	NA	480	240		0					NA	10	2,767	
8/28/95	2494	54	23%	432	62	600	730	290	370	0	<2.6	<0.016	0.4326	0.0020	679	15	2,782	99.3
9/1/95	2520	26	27%	441	69	629	190	300		0					678	9	2,791	
9/6/95	2524	4	3%	545	78	600	660	420	280	0	<2.3	0.029	0.4828	0.0045	693	2	2,793	99.2
9/14/95	2528	4	2%	354	54	600	670	410		0					657	2	2,795	
9/22/95	2625	97	51%	265	130	600	3,450	380		0					755	31	2,826	
9/29/95	2742	117	70%	334	115	600	3,200	360		0					679	34	2,861	
10/5/95	2771	29	20%	334	115	600	3,100	330		0					682	9	2,870	
10/12/95	2780	9	5%	324	100	600	2,310	300	320	0	<2.3	<0.016	0.2870	0.0015	712	2	2,872	99.3
11/10/95	2798	18	3%	324	100	600	2,310	300		0					712	5	2,877	
11/17/95	2839	41	24%	393	82	600	3,360	390	300	0	<2.3	<0.016	0.3482	0.0018	664	13	2,890	99.2
11/20/95	2910	71	99%	700	88	600	2,100	140		0					601	27	2,917	
11/27/95	3045	135	80%	700	88	587	830	100		0					603	30	2,948	
12/4/95	3213	168	100%	545	86	602	2,200	260	230	0	<2.3	<0.016	0.4828	0.0025	643	50	2,998	99.0
12/14/95	3383	170	71%	700	92	601	1,650	290		0					612	77	3,075	
12/21/95	3551	168	100%	700	94	600	1,150	150		0					608	69	3,144	
12/29/95	3656	105	55%	700	90	598	890	140		0					605	28	3,172	
1/5/96	3826	170	101%	692	91	597	630	220		0					600	57	3,228	
1/8/96	3897	71	99%	361	105	600	1,120	340	210	0	<2.3	<0.016	0.3198	0.0017	638	28	3,256	98.9

## Vapor Extraction System Monitoring

Former Mobil Station # 04-H6J

Date (m/d/yy)	Operation Time			INFLUENT						EFFLUENT					RECOVERY DATA			
	Hour Meter Reading (hours)	Operating Time (hours)	Up-Time Per Period (%)	Total Flow Rate (cfm)	Vacuum Reading at Well Header (In. H2O)	Inlet Temp. (deg F)	Total Well TPH-G Conc. (ppmv)	Influent TPH-G Conc.		Effluent TPH-G Conc. (ppmv)		Effluent Benzene Conc. (ppmv)	Mass Emission TPH-G (lbs/day)	Mass Emission Benzene (lbs/day)	Outlet Temp. (deg F)	HC Recovery Per Period (gallons)	Cumulative HC Recovery (gallons)	Destruction Efficiency TPH-G (%)
								Field	Lab	Field	Lab							
1/18/96	4132	235	98%	393	107	600	950	280		0				643	73	3,329		
2/2/96	4484	352	98%	353	105	600	720	220		0				630	87	3,416		
2/7/96	4602	118	98%	353	105	599	560	120	130	0	<2.3	0.024	0.3127	0.0016	613	19	3,435	98.2
2/12/96	4724	122	102%	353	105	600	630	160		0				602	16	3,451		
2/22/96	4965	241	100%	353	107	601	330	80		0				602	27	3,478		
2/29/96	5136	171	102%	353	105	596	450	110		0				601	15	3,493		
3/6/96	5281	145	101%	545	105	595	90	10	56	0	<2.3	<0.016	0.4828	0.0025	600	10	3,504	95.9
3/22/96	5662	381	99%	545	105	590	70	30		0				602	11	3,515		
4/8/96	5679	17	4%	545	90	577	190	90		0				600	1	3,516		
5/2/96	5942	263	46%	180	96	600	140	30		0				607	15	3,531		
5/14/96	6159	217	75%	272	95	581	130	60	180	0	18	0.038	0.2410	0.0012	602	6	3,537	98.7
5/27/96	6430	271	87%	254	90	598	140	50		0				601	10	3,547		
6/14/96	6508	78	18%	288	90	592	220	110	130	0	5.4	0.019	0.2534	0.0013	604	4	3,552	98.2
6/25/96	6521	13	5%	282	90	601	170	130		0				605	1	3,553		
7/8/96	6598	77	25%	147	90	599	140	110	166	0	<2.4	<0.016	0.1302	0.0007	601	5	3,558	98.6
7/25/96	6604	6	1%	221	92	599	210	50		0				615	0	3,558		
8/6/96	6607	3	1%	259	90	600	240	230		5				621	0	3,558		
8/12/96	6613	6	4%	241	92	600	250	190	176	20	<2.4	<0.016	0.2135	0.0011	621	1	3,559	98.7
8/27/96	6617	4	1%	260	88	599	230	220		0				616	1	3,560		
12/6/96	6818	201	8%	331	60	639	350	100	83	0	<2.4	<0.016	0.2932	0.0015	651	25	3,585	97.2
12/12/96	6906	88	61%	331	60	632	300	120		0				649	9	3,594		
12/23/96	7176	270	102%	331	60	633	300	70		0				649	23	3,616		
1/3/97	7321	145	55%	331	73	601	200	130		0				601	13	3,629		
1/7/97	7420	99	103%	331	72	601	120	90		0				601	10	3,638		
1/15/97	7611	191	99%	285	85	599	100	30	32	0	<2.4	<0.016	0.2525	0.0013	599	9	3,648	92.8
1/24/97	7739	128	59%	299	80	598	110	10		0				598	2	3,650		
2/7/97	7875	136	40%	285	90	600	100	30		0				600	2	3,652		
2/19/97	8148	273	95%	273	85	600	130	30		0				600	6	3,658		
3/4/97	8457	309	99%	273	85	602	130	30		0				602	7	3,665		
3/12/97	8565	108	56%	273	85	600	130	30		0				600	2	3,667		
5/2/97	8565	0	0%	299	87	600	180	40		0				602	0	3,667		
5/7/97	8598	33	28%	299	87	600	150	30		0				604	1	3,668		
5/14/97	8600	2	1%	299	85	600	180	40		0				600	0	3,668		
7/29/97	8603	3	0%	282	88	601	890	250	190	0	100	1	0.2498	0.0013	602	0	3,668	98.8
10/1/97	8603	0	0%	0	0	0	0	0		0				0	0	3,668		
10/20/97	NA	24	5%	363	48	NA	600	470		0				NA	3	3,671	100.0	
10/21/97	NA	24	100%	358	52	NA	230	210		0				NA	8	3,679	100.0	
10/22/97	NA	24	100%	366	45	NA	250	240		0				NA	5	3,684	100.0	

## Vapor Extraction System Monitoring

### Former Mobil Station # 04-H6J

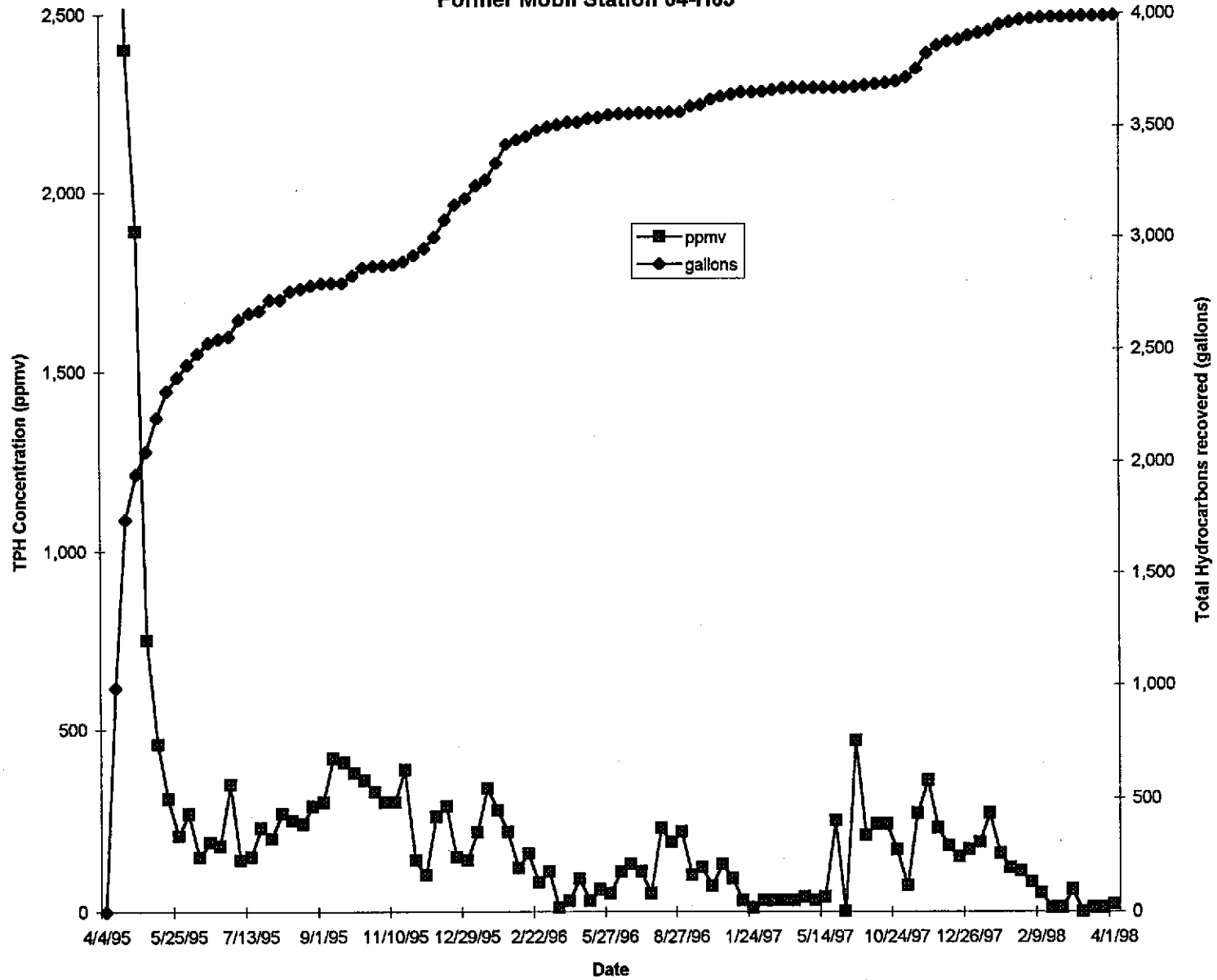
Date (m/d/yy)	Operation Time			INFLUENT						EFFLUENT					RECOVERY DATA			
	Hour Meter Reading (hours)	Operating Time (hours)	Up-Time Per Period (%)	Total Flow Rate (cfm)	Vacuum Reading at Well Header (in. H2O)	Inlet Temp. (deg F)	Total Well TPH-G Conc. (ppmv)	Influent TPH-G Conc. Total Well + Air Stripper (ppmv)		Effluent TPH-G Conc. (ppmv)		Effluent Benzene Conc. (ppmv)	Mass Emission TPH-G (lbs/day)	Mass Emission Benzene (lbs/day)	Outlet Temp. (deg F)	HC Recovery Per Period (gallons)	Cumulative HC Recovery (gallons)	Destruction Efficiency TPH-G (%)
								Field	Lab	Field	Lab							
10/23/97	NA	24	100%	367	46	NA	260	240		0				NA	8	3,690	100.0	
10/24/97	NA	24	100%	385	50	NA	220	170		0				NA	5	3,695	100.0	
10/31/97	NA	168	100%	369	48	NA	202	70		0				NA	20	3,715	100.0	
11/11/97	NA	264	100%	260	87	NA	620	270		0				NA	37	3,752	100.0	
11/26/97	NA	380	100%	207	100	NA	1,950	360		0				NA	70	3,823	100.0	
12/4/97	NA	216	113%	203	100	NA	1,180	230		0				NA	35	3,857	100.0	
12/11/97	NA	168	100%	200	100	NA	900	180		0				NA	18	3,876	100.0	
12/15/97	NA	96	100%	172	100	NA	850	150		0				NA	8	3,884	100.0	
12/26/97	NA	264	100%	170	100	NA	850	170		0				NA	19	3,903	100.0	
12/31/97	NA	120	100%	170	100	NA	840	190		0				NA	10	3,912	100.0	
1/5/98	NA	120	100%	164	100	NA	1,125	270		0				NA	12	3,925	100.0	
1/16/98	NA	264	100%	177	100	NA	700	160		0				NA	26	3,950	100.0	
1/22/98	NA	144	100%	190	100	NA	610	120		0				NA	10	3,960	100.0	
1/30/98	NA	192	100%	186	100	NA	530	110		0				NA	11	3,971	100.0	
2/5/98	NA	144	100%	163	100	NA	300	80		0				NA	6	3,978	100.0	
2/9/98	NA	96	100%	166	100	NA	150	50		0				NA	3	3,980	100.0	
2/20/98	NA	264	100%	148	100	NA	10	10		0				NA	3	3,983	100.0	
2/27/98	NA	168	100%	153	100	NA	60	10		0				NA	1	3,984	100.0	
3/5/98	NA	144	100%	146	100	NA	150	60		0				NA	2	3,986	100.0	
3/12/98	NA	168	100%	145	100	NA	50	0		0				NA	2	3,988	100.0	
3/20/98	NA	192	100%	151	100	NA	100	10		0				NA	0	3,988	100.0	
3/27/98	NA	168	100%	150	100	NA	120	10		0				NA	1	3,989	100.0	
4/1/98	NA	120	100%	143	100	NA	130	20		0				NA	1	3,990	100.0	

Total to Date = 10368      43%      = Average % Operation

**NOTES:**

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

Inlet TPH-G and Total Hydrocarbons Removed vs. Operating Time  
Former Mobil Station 04-H6J



**EXHIBIT 6**

**GROUNDWATER REMEDIATION PERFORMANCE TABLES**

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

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



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

Sample ID	Date of Sampling	Flow Meter Reading (gallons)	Effluent Discharge (gallons)	Average Flow Rate (gpd)	Total Discharged (gallons)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
I-1	04/08/96	54,120	7,820	460	2,081,420	10,000	2,000	690	1,500	120	930
I-1	05/02/96	54,840	720	30	2,082,140	--	--	--	--	--	--
I-1	05/14/96	139,900	85,060	7,088	2,167,200	4,400	840	330	820	53	580
I-1	05/28/96	251,390	111,490	7,964	2,278,690	--	--	--	--	--	--
I-1	06/14/96	264,690	13,300	782	2,291,990	1,200	330	170	16	51	120
I-1	07/08/96	295,770	31,080	1,295	2,323,070	150	65	3.7	4.4	0.60	6.7
I-1	07/25/96	298,890	3,120	184	2,326,190	--	--	--	--	--	--
I-1	08/08/96	300,120	1,230	88	2,327,420	--	--	--	--	--	--
I-1	08/12/96	302,120	2,000	500	2,329,420	890	190	110	190	14	120
I-1	08/27/96	303,730	1,610	107	2,331,030	--	--	--	--	--	--
I-1	09/13/96	311,780	8,050	474	2,339,080	--	--	--	--	--	--
I-1	10/04/96	311,780	0	0	2,339,080	--	--	--	--	--	--
I-1	11/08/96	311,780	0	0	2,339,080	--	--	--	--	--	--
I-1	12/02/96	311,780	0	0	2,339,080	--	--	--	--	--	--
I-1	12/06/96	337,540	25,760	6,440	2,364,840	630	160	48	120	8.9	69
I-1	01/07/97	512,070	174,530	5,454	2,539,370	2,800	310	210	540	35	330
I-1	01/15/97	553,950	41,880	5,235	2,581,250	--	--	--	--	--	--
I-1	01/24/97	594,490	40,540	4,504	2,621,790	--	--	--	--	--	--
I-1	02/07/97	626,600	32,110	2,294	2,653,900	5,300	720	460	1,300	440	640
I-1	02/19/97	687,340	60,740	5,062	2,714,640	--	--	--	--	--	--
I-1	03/04/97	695,030	7,690	592	2,722,330	--	--	--	--	--	--
I-1	03/12/97	705,530	10,500	1,313	2,732,830	3,700	740	380	1,000	61	560
I-1	04/01/97	705,530	0	0	2,732,830	--	--	--	--	--	--
I-1	05/02/97	705,530	0	0	2,732,830	--	--	--	--	--	--
I-1	05/07/97	707,770	2,240	448	2,735,070	--	--	--	--	--	--
I-1	05/14/97	708,080	310	44	2,735,380	--	--	--	--	--	--
I-1	07/29/97	708,860	780	10	2,736,160	2,100	170	240	440	21	240
I-1	10/01/97	708,860	0	0	2,736,160	--	--	--	--	--	--
I-1	10/20/97	708,860	0	0	2,736,160	3,400	11,000	470	840	42	390
I-1	10/31/97	783,000	74,140	6,740	2,810,300	--	--	--	--	--	--
I-1	11/05/97	817,960	34,960	6,992	2,845,260	--	--	--	--	--	--
I-1	11/11/97	854,790	36,830	6,138	2,882,090	920	320	34	97	12	150
I-1	11/21/97	917,210	62,420	6,242	2,944,510	--	--	--	--	--	--
I-1	11/25/97	944,770	27,560	6,890	2,972,070	--	--	--	--	--	--
I-1	12/04/97	989,710	44,940	4,993	3,017,010	--	--	--	--	--	--
I-1	12/11/97	1,023,640	33,930	4,847	3,050,940	ND	ND	ND	ND	ND	ND
I-1	12/15/97	1,042,420	18,780	4,695	3,069,720	--	--	--	--	--	--
I-1	12/31/97	1,106,010	63,590	3,974	3,133,310	--	--	--	--	--	--
I-1	01/06/98	1,127,130	21,120	3,520	3,154,430	1,000	630	24	58	5.2	170
I-1	01/16/98	1,171,800	44,670	4,467	3,199,100	--	--	--	--	--	--
I-1	01/22/98	1,195,970	24,170	4,028	3,223,270	--	--	--	--	--	--
I-1	01/30/98	1,229,990	34,020	4,253	3,257,290	--	--	--	--	--	--
I-1	02/05/98	1,253,850	23,860	3,977	3,281,150	570	340	19	54	5.4	95
I-1	02/09/98	1,273,640	19,790	4,948	3,300,940	--	--	--	--	--	--
I-1	02/20/98	1,326,030	52,390	4,763	3,353,330	--	--	--	--	--	--

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

Sample ID	Date of Sampling	Flow Meter Reading (gallons)	Effluent Discharge (gallons)	Average Flow Rate (gpd)	Total Discharged (gallons)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
I-1	02/27/98	1,365,130	39,100	5,586	3,392,430	--	--	--	--	--	--
I-1	03/05/98	1,394,470	29,340	4,890	3,421,770	--	--	--	--	--	--
I-1	03/12/98	1,429,330	34,860	4,980	3,456,630	1,900	920	96	220	16	280
I-1	03/20/98	1,468,420	39,090	4,886	3,495,720	--	--	--	--	--	--
I-1	03/27/98	1,499,700	31,280	4,469	3,527,000	--	--	--	--	--	--
I-1	04/01/98	1,522,760	23,060	4,612	3,550,060	--	--	--	--	--	--
E-1	04/27/95	--	--	--	--	ND	87	ND	ND	ND	ND
E-1	05/12/95	--	--	--	--	670	180	3.4	5.8	ND	9.8
E-1	06/08/95	--	--	--	--	ND	ND	0.87	0.92	ND	1.4
E-1	07/13/95	--	--	--	--	ND	110	ND	ND	ND	ND
E-1	08/28/95	--	--	--	--	140	220	2.6	4.4	0.98	6.2
E-1	09/07/95	--	--	--	--	200	290	5.8	6.9	0.77	93
E-1	10/12/95	--	--	--	--	ND	120	ND	ND	ND	ND
E-1	11/17/95	--	--	--	--	93	230	0.73	1.3	ND	1.4
E-1	12/04/95	--	--	--	--	ND	120	ND	ND	ND	ND
E-1	01/08/96	--	--	--	--	110	76	52	11	0.74	9.4
E-1	02/07/96	--	--	--	--	840	470	4.2	7.7	2.1	16
E-1	03/06/96	--	--	--	--	140	420	1.1	0.94	ND	0.59
E-1	04/08/96	--	--	--	--	340	190	11	7.1	3.5	21
E-1	05/14/96	--	--	--	--	630	330	13	31	3.8	29
E-1	06/14/96	--	--	--	--	ND	79	ND	ND	ND	ND
E-1	07/08/96	--	--	--	--	ND	ND	0.71	ND	ND	ND
E-1	08/12/96	--	--	--	--	73	72	1.7	3.0	ND	27
E-1	12/06/96	--	--	--	--	ND	ND	ND	1.4	ND	0.57
E-1	01/07/97	--	--	--	--	ND	ND	1.4	2.7	ND	2.3
E-1	02/07/97	--	--	--	--	85	80	ND	1.3	ND	0.57
E-1	03/12/97	--	--	--	--	100	170	3.3	5.5	0.63	4.4
E-1	07/29/97	--	--	--	--	160	160	13	28	2.6	15
E-1	10/20/97	--	--	--	--	87	860	0.80	2.6	0.73	3.0
E-1	11/11/97	--	--	--	--	ND	130	ND	ND	ND	ND
E-1	12/11/97	--	--	--	--	ND	ND	ND	ND	ND	ND
E-1	01/06/98	--	--	--	--	ND	270	ND	0.6	ND	2.2
E-1	02/05/98	--	--	--	--	ND	300	0.3	1.0	ND	2.5
E-1	03/12/98	--	--	--	--	ND	390	0.4	0.9	ND	2.0

Total Effluent Discharged to Date: **3,550,060** gallons

**NOTES:**

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

**EXHIBIT 7**

**WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL**

## WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL

### FLUID-LEVEL MONITORING

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

### GROUNDWATER SAMPLING

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

#### *NON-PURGE METHOD:*

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

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

1. The non-purging approach shall be used only for monitoring wells where groundwater has been impacted by petroleum hydrocarbons, BTEX, and MTBE.
2. Non-purge sampling shall be utilized for unconfined aquifers only.
3. The monitoring well shall be properly permitted, constructed (in this case, screened across the water table), and developed.
4. The well is presently in use for groundwater or soil vapor extraction.
5. The well does not contain free product.
6. For new wells or wells brought into monitoring for the first time, the first round of groundwater sampling performed at a site shall be with both non-purged and purged samples. The purging and sampling method used shall be documented. This shall include the rate of purge and sampling details. For these wells we require measurements of dissolved oxygen, specific conductance, pH,

and temperature whether purged or not purged. Also, if biodegradation is being tracked at the well, our requirements do not preclude the measurement of other parameters.

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

#### *PURGE METHOD:*

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

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

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

**EXHIBIT 8**

**MONITORING WELL SAMPLING FORMS**

# FLUID MEASUREMENT FIELD FORM

Project No.: 30-0065-50  
 Station No.: 04-H6J

Alton Personnel: CO  
 Date: 1-21-98

Well Number	Screen Interval	Depth to Water	Depth to Product	Free Product Thickness (ft)	Free Product Recovery	Total Depth	Time Sampled Comments
Mlw-8		19.50					
Mlw-11		38.28					9:18
Mlw-12		43.10					9:29
Mlw-10		41.88					9:43
Mlw-5		31.25					
Mlw-3		18.81					
VMlw-4		10.95					
VMlw-2		27.95					
VMlw-3		31.25					
Mlw-1		41.05					10:16
Mlw-7		DRY					
Mlw-4		41.20					10:36
Mlw-6		41.62					10:53
Blw-4		41.61					Port Sample 11:23
Blw-2		49.39	VES	open at this well			Part Sample 11:42
Blw-3		46.31					Port Sample 11:56
Mlw-2		40.75	VES	OPEN AT this well			12:06
VMlw-1		DRY					
Blw-1		46.71	VES	OPEN AT this well			Part Sample 12:50

**EXHIBIT 9**

**ANALYTICAL LABORATORY DATA SHEETS**





LLI Sample No. WW **2863356**  
 Collected: 1/21/98 at 09:18 by CS

Submitted: 1/26/98 Reported: 4/23/98  
 Discard: 5/24/98

MW-11 Grab Water Sample  
 LOC# 04-H6J PRCA# 980044 PHC#  
 MOBIL: 1024 Main St. Pleasanton, CA

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

P.O. 04-H6J  
 Re1.

AS RECEIVED

CAT NO.	ANALYSIS NAME	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: 98028A02									
0776	Benzene	N.D.		107	97	9	109			78	138
	0.3 ug/l										
0777	Toluene	N.D.		108	99	9	111			78	118
	0.3 ug/l										
0778	Ethylbenzene	N.D.		104	94	10	108			77	119
	0.3 ug/l										
0779	Total Xylenes	N.D.		107	97	9	112			76	116
	0.6 ug/l										
0780	Methyl tert-Butyl Ether	N.D.		96	94	2	100			76	144
	10. ug/l										
8268	8015 Mod. for Gasoline	Batch: 98028A02									
5554	TPH-GRO (CA LUFT)	N.D.		128	118	8	102			75	125
	50. ug/l										

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

1 COPY TO Alton Geosience

ATTN: Ron Scheele

**RECEIVED**  
 APR 28 1998  
 BY: \_\_\_\_\_

*Barbara J. Frantz for*

Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300  
 19:32:42 D 0001 11 133857 599970  
 856 0.00 00005300 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 2863356  
Collected: 1/21/98 at 09:18 by CS  
Submitted: 1/26/98 Reported: 4/23/98  
Discard: 5/24/98

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

P.O. 04-H6J  
Rel.

MW-11 Grab Water Sample  
LOC# 04-H6J PRCA# 980044 PHC#  
MOBIL: 1024 Main St. Pleasanton, CA

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

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
8209	BTEX, MTBE (8020)	108	70	130
8268	8015 Mod. for Gasoline	119	70	130

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	01/29/98 1824	Donald L. Shelly., Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	01/29/98 1824	Donald L. Shelly., Jr.

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

Questions? Contact your Client Services Representative  
Brian R. Boyles at (717) 656-2300

*Barbara F. Huntz*  
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 2863357**

Collected: 1/21/98 at 09:29 by CS

Submitted: 1/26/98 Reported: 4/23/98  
Discard: 5/24/98

MN-12 Grab Water Sample  
LOC# 04-H6J PRC# 999X15 PHC#  
MOBIL: 1024 Main St. Pleasanton, 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: 98028A02									
0776	Benzene	N.D.		107	97	9	109			78	138
	0.3 ug/l										
0777	Toluene	N.D.		108	99	9	111			78	118
	0.3 ug/l										
0778	Ethylbenzene	N.D.		104	94	10	108			77	119
	0.3 ug/l										
0779	Total Xylenes	N.D.		107	97	9	112			76	116
	0.6 ug/l										
0780	Methyl tert-Butyl Ether	N.D.		96	94	2	100			76	144
	10. ug/l										
8268	8015 Mod. for Gasoline	Batch: 98028A02									
5554	TPH-GRO (CA LUFT)	N.D.		128	118	8	102			75	125
	50. ug/l										

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

1 COPY TO Alton Geoscience

ATTN: Ron Scheele

Questions? Contact your Client Services Representative  
Brian R. Boyles at (717) 656-2300  
19:33:31 D 0001 11 133857 599970  
856 0.00 00005300 ASR000

*Barbara Hunt 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 2863357  
 Collected: 1/21/98 at 09:29 by CS

Submitted: 1/26/98 Reported: 4/23/98  
 Discard: 5/24/98

MW-12 Grab Water Sample  
 LOC# 04-H6J PRCA# 999X15 PHC#  
 MOBIL: 1024 Main St. Pleasanton, 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)	107	70	130
8268	8015 Mod. for Gasoline	119	70	130

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	01/29/98 2043	Donald L. Shelly, Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	01/29/98 2043	Donald L. Shelly, Jr.

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

Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300

*Barbara F. Hunt 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 2863358

Collected: 1/21/98 at 09:43 by CS

Submitted: 1/26/98 Reported: 4/23/98  
Discard: 5/24/98

MW-10 Grab Water Sample  
LOC# 04-H6J PRCA# 999X15 PHC#  
MOBIL: 1024 Main St. Pleasanton, 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)	106	70	130
8268	8015 Mod. for Gasoline	120	70	130

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	01/30/98 1509	Donald L. Shelly., Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	01/30/98 1509	Donald L. Shelly., Jr.

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

Questions? Contact your Client Services Representative  
Brian R. Boyles at (717) 656-2300

*Barbara F. Hunt*  
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

See reverse side for explanation of symbols and abbreviations.



**LLI Sample No. WW 2863359**

Collected: 1/21/98 at 10:16 by CS

Submitted: 1/26/98 Reported: 4/23/98  
Discard: 5/24/98

MW-1 Grab Water Sample  
LOC# 04-H6J PRCA# 999X15 PHC#  
MOBIL: 1024 Main St. Pleasanton, CA

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

P.O. 04-H6J  
Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	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: 98028A02									
0776	Benzene	N.D.		107	97	9	109			78	138
	0.3 ug/l										
0777	Toluene	N.D.		108	99	9	111			78	118
	0.3 ug/l										
0778	Ethylbenzene	N.D.		104	94	10	108			77	119
	0.3 ug/l										
0779	Total Xylenes	N.D.		107	97	9	112			76	116
	0.6 ug/l										
0780	Methyl tert-Butyl Ether	N.D.		96	94	2	100			76	144
	10. ug/l										
8268	8015 Mod. for Gasoline	Batch: 98028A02									
5554	TPH-GRO (CA LUFT)	N.D.		128	118	8	102			75	125
	50. ug/l										

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

1 COPY TO Alton Geosience

ATTN: Ron Scheele

Questions? Contact your Client Services Representative  
Brian R. Boyles at (717) 656-2300  
19:34:58 D 0001 11 133857 599970  
856 0.00 00005300 ASR000

Barbara Huntz

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



**Lancaster Laboratories**

A division of Thermo Analytical Inc.

LLI Sample No. WW 2863359  
 Collected: 1/21/98 at 10:16 by CS

Submitted: 1/26/98 Reported: 4/23/98  
 Discard: 5/24/98

MW-1 Grab Water Sample  
 LOC# 04-H6J PRCA# 999X15 PHC#  
 MOBIL: 1024 Main St. Pleasanton, 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 HIGH
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SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
8209 BTEX, MTBE (8020)	TFT	107	70	130
8268 8015 Mod. for Gasoline	TFT	121	70	130

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	01/30/98 1544	Donald L. Shelly., Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	01/30/98 1544	Donald L. Shelly., Jr.

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

Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300

*Barbara Bryant*

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 2863360  
Collected: 1/21/98 at 10:36 by CS  
Submitted: 1/26/98 Reported: 4/23/98  
Discard: 5/24/98

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

P.O. 04-H6J  
Rel.

MW-4 Grab Water Sample  
LOC# 04-H6J PRCA# 999X15 PHC#  
MOBIL: 1024 Main St. Pleasanton, CA

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
8209	BTEX, MTBE (8020)			
0776	Benzene	17.	0.3	ug/l
0777	Toluene	2.4	0.3	ug/l
0778	Ethylbenzene	27.	0.3	ug/l
0779	Total Xylenes	5.3	0.6	ug/l
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	610.	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: 98028A02									
0776	Benzene	N.D.		107	97	9	109			78	138
0777	Toluene	N.D.		108	99	9	111			78	118
0778	Ethylbenzene	N.D.		104	94	10	108			77	119
0779	Total Xylenes	N.D.		107	97	9	112			76	116
0780	Methyl tert-Butyl Ether	N.D.		96	94	2	100			76	144
8268 8015 Mod. for Gasoline		Batch: 98028A02									
5554	TPH-GRO (CA LUFT)	N.D.		128	118	8	102			75	125

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

1 COPY TO Alton Geosience ATTN: Ron Scheele

Questions? Contact your Client Services Representative  
Brian R. Boyles at (717) 656-2300  
19:35:41 D 0001 11 133857 599970  
856 0.00 00005300 ASR000

*Barbara K. Krantz 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 2863360  
 Collected: 1/21/98 at 10:36 by CS

Submitted: 1/26/98 Reported: 4/23/98  
 Discard: 5/24/98

MW-4 Grab Water Sample  
 LOC# 04-H6J PRCA# 999X15 PHC#  
 MOBIL: 1024 Main St. Pleasanton, 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
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SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
8209	BTEX, MTBE (8020)	116	70	130
8268	8015 Mod. for Gasoline	126	70	130

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	01/30/98 1619	Donald L. Shelly, Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	01/30/98 1619	Donald L. Shelly, Jr.

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

*Barbara Hunt for*

Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300

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 2863361
Collected: 1/21/98 at 10:53 by CS
Submitted: 1/26/98 Reported: 4/23/98
Discard: 5/24/98

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

P.O. 04-H6J
Rel.

MW-6 Grab Water Sample
LOC# 04-H6J PRCA# 999X15 PHC#
MOBIL: 1024 Main St. Pleasanton, CA

Table with columns: CAT NO., ANALYSIS NAME, AS RECEIVED RESULTS, REPORTING LIMIT, UNITS. Rows include BTEX, MTBE (8020) and TPH-GRO (CA LUFT).

QUALITY CONTROL REPORT

Table with columns: SAMPLE RPT LIM, SAMPLE UNITS, BLANK, DUP RPD, MS, MSD, MS RPD, LCS, LCS DUP, LCS RPD, LCS LIMITS LOW, HIGH. Rows include BTEX, MTBE (8020) and TPH-GRO (CA LUFT).

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

1 COPY TO Alton Geosience ATTN: Ron Scheele

Questions? Contact your Client Services Representative
Brian R. Boyles at (717) 656-2300
19:36:25 D 0001 11 133857 599970
856 0.00 00005300 ASR000

Barbara K. Hunt for

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

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



**LLI Sample No. WW 2863361**

Collected: 1/21/98 at 10:53 by CS

Submitted: 1/26/98 Reported: 4/23/98  
Discard: 5/24/98

MW-6 Grab Water Sample  
LOC# 04-H6J PRCA# 999X15 PHC#  
MOBIL: 1024 Main St. Pleasanton, 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

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS LOW	SURROGATE LIMITS HIGH
8209 BTEX, MTBE (8020)		TFT	118	70	130
8268 8015 Mod. for Gasoline		TFT	126	70	130

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	01/30/98 1655	Donald L. Shelly., Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	01/30/98 1655	Donald L. Shelly., Jr.

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

Questions? Contact your Client Services Representative  
Brian R. Boyles at (717) 656-2300

*Barbara Bryant 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

See reverse side for explanation of symbols and abbreviations.



LLI Sample No. WW **2863362**  
 Collected: 1/21/98 at 11:23 by CS

Submitted: 1/26/98 Reported: 4/23/98  
 Discard: 5/24/98

RW-4 Grab Water Sample  
 LOC# 04-H6J PRCA# 999X15 PHC#  
 MOBIL: 1024 Main St. Pleasanton, 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 LIMITS		
										LOW	HIGH	
8209 BTEX, MTBE (8020)		Batch: 98028A02										
0776	Benzene	N.D.		107	97	9	109			78	138	
	0.3 ug/l											
0777	Toluene				108	99	9	111			78	118
	0.3 ug/l											
0778	Ethylbenzene				104	94	10	108			77	119
	0.3 ug/l											
0779	Total Xylenes			107	97	9	112			76	116	
	0.6 ug/l											
0780	Methyl tert-Butyl Ether			96	94	2	100			76	144	
	10. ug/l											
8268 8015 Mod. for Gasoline		Batch: 98028A02										
5554	TPH-GRO (CA LUFT)	N.D.		128	118	8	102			75	125	
	50. ug/l											

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

1 COPY TO Alton Geosience

ATTN: Ron Scheele

Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300  
 19:37:07 D 0001 11 133857 599970  
 856 0.00 00005300 ASR000

Barbara Hunt 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 2863362**

Collected: 1/21/98 at 11:23 by CS

Submitted: 1/26/98 Reported: 4/23/98

Discard: 5/24/98

RW-4 Grab Water Sample

LOC# 04-H6J PRCA# 999X15 PHC#

MOBIL: 1024 Main St. Pleasanton, 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	SURROGATE LIMITS HIGH
8209	BTEX, MTBE (8020)	107	70	130
8268	8015 Mod. for Gasoline	120	70	130

### LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	01/30/98 1730	Donald L. Shelly, Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	01/30/98 1730	Donald L. Shelly, Jr.

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

Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300

*Barbara Krantz 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 2863363**

Collected: 1/21/98 at 11:42 by CS

Submitted: 1/26/98 Reported: 4/23/98  
Discard: 5/24/98

RW-2 Grab Water Sample  
LOC# 04-H6J PRCA# 999X15 PHC#  
MOBIL: 1024 Main St. Pleasanton, 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: 98028A02									
0776	Benzene										
	0.3 ug/l	N.D.		107	97	9	109			78	138
0777	Toluene										
	0.3 ug/l	N.D.		108	99	9	111			78	118
0778	Ethylbenzene										
	0.3 ug/l	N.D.		104	94	10	108			77	119
0779	Total Xylenes										
	0.6 ug/l	N.D.		107	97	9	112			76	116
0780	Methyl tert-Butyl Ether										
	10. ug/l	N.D.		96	94	2	100			76	144
8268 8015 Mod. for Gasoline		Batch: 98028A02									
5554	TPH-GRO (CA LUFT)										
	50. ug/l	N.D.		128	118	8	102			75	125

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

1 COPY TO Alton Geosience

ATTN: Ron Scheele

Questions? Contact your Client Services Representative  
Brian R. Boyles at (717) 656-2300  
19:37:48 D 0001 11 133857 599970  
856 0.00 00005300 ASR000

*Barbara Hunt 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

See reverse side for explanation of symbols and abbreviations.



**LLI Sample No. WW 2863363**  
 Collected: 1/21/98 at 11:42 by CS

Submitted: 1/26/98 Reported: 4/23/98  
 Discard: 5/24/98

RW-2 Grab Water Sample  
 LOC# 04-H6J PRCA# 999X15 PHC#  
 MOBIL: 1024 Main St. Pleasanton, 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

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS LOW	SURROGATE LIMITS HIGH
8209 BTEX, MTBE (8020)		TFT	107	70	130
8268 8015 Mod. for Gasoline		TFT	118	70	130

### LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	01/30/98 1805	Donald L. Shelly., Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	01/30/98 1805	Donald L. Shelly., Jr.

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

Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300

Barbara Hunt  
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 2863364**

Collected: 1/21/98 at 11:56 by CS

Submitted: 1/26/98 Reported: 4/23/98  
Discard: 5/24/98

RW-3 Grab Water Sample  
LOC# 04-H6J PRCA# 999X15 PHC#  
MOBIL: 1024 Main St. Pleasanton, 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	1.4	0.3	ug/l
0777	Toluene	0.9	0.3	ug/l
0778	Ethylbenzene	0.4	0.3	ug/l
0779	Total Xylenes	2.1	0.6	ug/l
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	50.	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: 98028A02									
0776	Benzene										
	0.3 ug/l	N.D.		107	97	9	109			78	138
0777	Toluene										
	0.3 ug/l	N.D.		108	99	9	111			78	118
0778	Ethylbenzene										
	0.3 ug/l	N.D.		104	94	10	108			77	119
0779	Total Xylenes										
	0.6 ug/l	N.D.		107	97	9	112			76	116
0780	Methyl tert-Butyl Ether										
	10. ug/l	N.D.		96	94	2	100			76	144
8268 8015 Mod. for Gasoline		Batch: 98028A02									
5554	TPH-GRO (CA LUFT)										
	50. ug/l	N.D.		128	118	8	102			75	125

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

1 COPY TO Alton Geosience

ATTN: Ron Scheele

Questions? Contact your Client Services Representative  
Brian R. Boyles at (717) 656-2300  
19:38:28 D 0001 11 133857 599970  
856 0.00 00005300 ASR000

*Barbara Franz 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

See reverse side for explanation of symbols and abbreviations.



LLI Sample No. WW 2863364

Collected: 1/21/98 at 11:56 by CS

Submitted: 1/26/98 Reported: 4/23/98  
Discard: 5/24/98

RW-3 Grab Water Sample  
LOC# 04-H6J PRCA# 999X15 PHC#  
MOBIL: 1024 Main St. Pleasanton, 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)	107	70	130
8268	8015 Mod. for Gasoline	119	70	130

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	01/30/98 1839	Donald L. Shelly, Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	01/30/98 1839	Donald L. Shelly, Jr.

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

Questions? Contact your Client Services Representative  
Brian R. Boyles at (717) 656-2300

*Barbara F. Hunt for*

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





**LLI Sample No. WW 2863365**

Collected: 1/21/98 at 12:06 by CS

Submitted: 1/26/98 Reported: 4/23/98

Discard: 5/24/98

MW-2 Grab Water Sample  
 LOC# 04-H6J PRCA# 999X15 PHC#  
 MOBIL: 1024 Main St. Pleasanton, 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										
2.	ug/l	N.D.		104	94	10	108			77	119
0779	Total Xylenes										
6.	ug/l	N.D.		107	97	9	112			76	116
0780	Methyl tert-Butyl Ether										
50.	ug/l	N.D.		96	94	2	100			76	144
-----											
8268 8015	Mod. for Gasoline	Batch: 98028A02									
-----											
5554	TPH-GRO (CA LUFT)										
200.	ug/l	N.D.		128	118	8	102			75	125
-----											

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
6371 8260	Special Cmpds for Waters			
	DBFM	98	86	118
	d4-1,2-DCA	93	80	120
	d8-toluene	103	88	110
8209 BTEX, MTBE (8020)	4-BFB	111	86	115
	TFT	113	70	130
8268 8015	Mod. for Gasoline	121	70	130

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
6371	8260 Special Cmpds for Waters	SW-846 8260A	1	02/04/98 0904	Tamra L. Schumacher
8209	BTEX, MTBE (8020)	SW-846 8020A	1	01/30/98 1914	Donald L. Shelly, Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	01/30/98 1914	Donald L. Shelly, Jr.

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

Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300

*Barbara K. Hantz 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 **2863366**  
 Collected: 1/21/98 at 12:50 by CS

Submitted: 1/26/98 Reported: 4/23/98  
 Discard: 5/24/98

RW-1 Grab Water Sample  
 LOC# 04-H6J PRCA# 999X15 PHC#  
 MOBIL: 1024 Main St. Pleasanton, 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
6371	8260 Special Cmpds for Waters			
5660	Methyl Tertiary Butyl Ether	N.D.	4.	ug/l
	The quantitation limit for methyl t-butyl ether was raised due to the level of non-target compounds.			
8209	BTEX, MTBE (8020)			
0776	Benzene	570.	1.	ug/l
0777	Toluene	1,300.	1.	ug/l
0778	Ethylbenzene	120.	1.	ug/l
0779	Total Xylenes	2,500.	3.	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 methyl t-butyl ether.			
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	23,000.	200.	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
6371 8260	Special Cmpds for Waters	Batch: H980351AA									
5660 4.	Methyl Tertiary Butyl Ether ug/l	N.D.		93	92	1	97			30	200
8209	BTEX, MTBE (8020)	Batch: 98028A02									
0776 1.	Benzene ug/l	N.D.		107	97	9	109			78	138

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

1 COPY TO Alton Geosience

ATTN: Ron Scheele

Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300  
 19:39:58 D 0001 11 133857 599970  
 856 0.00 00017000 ASR000

*Barbara Hunt 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 2863366**  
 Collected: 1/21/98 at 12:50 by CS

Submitted: 1/26/98 Reported: 4/23/98  
 Discard: 5/24/98

RW-1 Grab Water Sample  
 LOC# 04-H6J PRC# 999X15 PHC#  
 MOBIL: 1024 Main St. Pleasanton, 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
0777	Toluene										
1.	ug/l	N.D.		108	99	9	111			78	118
0778	Ethylbenzene										
1.	ug/l	N.D.		104	94	10	108			77	119
0779	Total Xylenes										
3.	ug/l	N.D.		107	97	9	112			76	116
0780	Methyl tert-Butyl Ether										
200.	ug/l	N.D.		96	94	2	100			76	144
-----											
8268	8015 Mod. for Gasoline	Batch: 98028A02									
5554	TPH-GRO (CA LUFT)										
200.	ug/l	N.D.		128	118	8	102			75	125
-----											

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
6371 8260 Special Cmpds for Waters	DBFM	96	86	118
	d4-1,2-DCA	89	80	120
	d8-toluene	101	88	110
	4-BFB	109	86	115
	TFT	104	70	130
8209 BTEX, MTBE (8020)	TFT	116	70	130
8268	8015 Mod. for Gasoline			

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
6371	8260 Special Cmpds for Waters	SW-846 8260A	1	02/04/98 1223	Tamra L. Schumacher
8209	BTEX, MTBE (8020)	SW-846 8020A	1	01/30/98 2059	Martha L. Bennett
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	01/30/98 2059	Martha L. Bennett

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

Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300

*Barbara J. Hunt*  
 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

# Mobil Western Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only  
 Acct. #: 9728 Sample #: 2863356-66

Please print.

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

Mobil Consultant/Office: <u>Alton Geoscience</u>				<b>Matrix</b>		<b>Analyses Requested</b>										List total number of containers in the box under each analysis:		Temperature of samples upon receipt (if requested)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Consultant Prj. Mgr: <u>Ron Scheele</u> Prj. #: <u>30-0065-50</u> Consultant Phone #: <u>(510)606-9150</u> Fax #: <u>(510)606-9260</u> Location Code #: <u>04-H6J</u> PRC/A/FE/Release #: <u>999X15</u> Commitment Code #: _____ Phase Code: _____ Site Address: <u>1024 Main St. Pleasanton</u> State: <u>CA</u> Sampler: <u>Chris Smiga</u> Mobil Engineer: <u>Cherne Foutch</u>				<input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Air		Total # of Containers <u>MTBE 8020</u> <u>BTEX-TPH 8020 (Gas)</u> <u>MTBE 8260*</u>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total # of Containers	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764

