



April 15, 1998

Mr. Scott Seery  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Room 250  
Alameda, California 94502-6577

04/15/98 10:09:02

Alton Project 41-0114

RE: FORMER MOBIL STATION 04-FGN  
14994 EAST 14TH STREET  
SAN LEANDRO, CALIFORNIA

Dear Mr. Seery:

Enclosed is 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 Table
- Exhibit 3: Figures 1 through 3 (Vicinity Map, Groundwater Elevation Contour Map, Dissolved-Phase Benzene Concentrations)
- Exhibit 4: Benzene versus Groundwater Elevation Graphs
- Exhibit 5: Well Purging and Groundwater Sampling Protocol
- Exhibit 6: Monitoring Well Sampling Forms
- Exhibit 7: Analytical Laboratory Data Sheets
- Exhibit 8: Waste Disposal Manifests

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

Sincerely,

ALTON GEOSCIENCE

Bill Howell  
Project Geologist

cc: Ms. Cherine Foutch, Mobil Business Resources Corporation  
Mr. Steven Ritchie, Regional Water Quality Control Board, San Francisco Bay Region  
Mr. Bertram Kubo  
Mr. Fuk K. Sit and Ms. Ying C. Sit

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**ALTON GEOSCIENCE**

**Quarterly Progress Report Summary Sheet  
First Quarter 1998**

**Mobil Service Station 04-FGN  
14994 East 14th Street  
San Leandro, California**

**LOP Agency: Alameda County Health Care Services Agency**

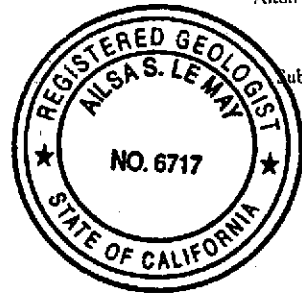
<b>Number of water zones:</b>	<b>1</b>	<b>This Page</b>	<b>1</b>
<b>FIELD ACTIVITY:</b>		<b>Date sampled:</b>	<b>12-Feb-98</b>
Number of groundwater wells on-site:	5	Groundwater wells monitored:	7
Number of groundwater wells off-site:	2	Groundwater wells sampled:	7
		Groundwater wells with free product:	0
Phase of investigation: Vadose Zone	N/A	Groundwater phase:	Monitor & Sample
<b>SITE HYDROGEOLOGY:</b>			
Approximate depth to groundwater below ground surface:			5.7 ft
Approximate elevation of potentiometric surface above Mean Sea Level:			31.1 ft
Average increase/decrease in groundwater elevations since last sampling episode:		Increase:	5.3 ft
Approximate flow direction and hydraulic gradient:		Southeast at:	0.004 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:	5	Volume of free product recovered this period:	N/A
Number of wells with concentrations at or above MCL:	2	Volume of free product recovered to date:	N/A
Nature of contamination:	Gasoline	Range in concentrations:	Benzene: ND to 37 ppb TPH-G: ND to 10,000 ppb
<b>ADDITIONAL INFORMATION:</b>			
Purged water was transported to McKittrick Waste Treatment Facility for disposal. Unocal wells are monitored semi-annually.			

Prepared by: Bill Howell Bill Howell  
Project Geologist

Alton Project No: 41-0114

Approved by: Ailsa S. Le May Ailsa S. Le May, RG  
California RG 6717 Project Geologist

Submittal Date: 4/15/98



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

MONITORING WELL SAMPLING SCHEDULE 1998  
Former Mobil Station 04-FGN

Well Number	First Quarter 1998	Second Quarter 1998	Third Quarter 1998	Fourth Quarter 1998
MW-1A	X		X	
MW-2A	X		X	
MW-3A	X		X	
MW-4A				
MW-5A	X			
MW-6A	X			
MW-7A	X		X	

NOTE: X = Well scheduled for sampling.

**EXHIBIT 2**

**GROUNDWATER LEVELS AND CHEMICAL ANALYSIS TABLE**

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-FGN

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8240 or 8260 (ppb)	TOG (ppb)	TRPO (ppm)	Dissolved Oxygen (mg/L)
<b>MOBIL Wells</b>															
MW-1A	03/31/88	36.35	—	—	29,000	ND	ND	ND	550	640	—	—	ND	—	—
MW-1A	01/31/89	36.35	—	—	11,200	—	260	ND	500	500	—	—	—	—	—
MW-1A	02/24/94	36.35	9.42	26.93	11,000	2,500	70	ND	260	180	—	—	ND	—	—
MW-1A	08/03/94	36.35	12.00	24.35	13,000	7,100	61	50	280	230	—	—	ND	—	—
MW-1A	11/23/94	36.35	11.18	25.17	12,000	2,500	49	ND	300	190	—	—	ND	—	—
MW-1A	02/28/95	36.35	9.08	27.27	10,000	3,200	25	ND	110	67	—	—	8,400	—	—
MW-1A	05/10/95	36.35	8.33	28.02	10,000	3,600	31	ND	140	81	—	—	7,200	—	—
MW-1A	08/02/95	36.63	9.49	27.14	10,000	3,800	24	18	130	80	—	—	—	—	—
MW-1A	11/02/95	36.63	11.05	25.58	12,000	3400*	ND	ND	190	150	—	—	—	ND	—
MW-1A	02/08/96	36.63	7.55	29.08	8,000	3,600*	100	21	87	58	—	—	—	—	—
MW-1A	05/08/96	36.63	7.52	29.11	9,200	—	11	ND	120	64	—	—	—	—	—
MW-1A	08/09/96	36.63	9.63	27.00	—	—	—	—	—	—	—	—	—	—	—
MW-1A	08/20/96	36.63	—	—	6,800	—	64	22	100	55	130	ND	—	—	—
MW-1A	11/07/96	36.63	11.01	25.62	7,900	—	100	12	70	34	95	ND	—	—	—
MW-1A	02/10/97	36.63	7.58	29.05	5,800	—	36	15	67	29	58	ND	—	—	—
MW-1A	05/07/97	36.63	9.15	27.48	1,400	—	13	ND	11	ND	ND	—	—	—	—
MW-1A	09/10/97	36.63	10.88	25.75	7,800	—	64	ND	70	26	120	ND	—	—	1.02
MW-1A	02/12/98	36.63	5.52	31.11	ND	—	ND	ND	ND	ND	ND	—	—	—	0.32
MW-2A	02/24/94	36.61	9.52	27.09	6,400	4,500	31	ND	58	42	—	—	ND	—	—
MW-2A	08/23/94	36.61	12.05	24.56	7,500	7,100	42	21	71	53	—	—	ND	—	—
MW-2A	11/23/94	36.61	11.25	25.36	7,000	1,800	33	11	39	ND	—	—	7,300	—	—
MW-2A	02/28/95	36.61	9.10	27.51	9,000	1,600	29	36	96	45	—	—	6,900	—	—
MW-2A	05/10/95	36.61	8.42	28.19	5,100	1,600	20	27	32	35	—	—	3,400	—	—
MW-2A	08/02/95	36.62	9.54	27.08	4,300	1,800	36	ND	11	16	—	—	—	—	—
MW-2A	11/02/95	36.62	11.08	25.54	4,300	3000*	22	ND	10	11	—	—	—	ND	—
MW-2A	02/08/96	36.62	7.68	28.94	2,900	940*	32	13	13	ND	—	—	—	—	—
MW-2A	05/08/96	36.62	8.64	27.98	2,500	—	13	12	19	26	—	—	—	—	—
MW-2A	08/09/96	36.62	9.71	26.91	—	—	—	—	—	—	—	—	—	—	—
MW-2A	08/20/96	36.62	—	—	2,500	—	19	11	6.8	8.1	36	—	—	—	—
MW-2A	11/07/96	36.62	11.04	25.58	4,700	—	58	7.3	5.3	ND	55	—	—	—	—
MW-2A	02/10/97	36.62	7.75	28.87	2,600	—	12	10	35	15	ND	—	—	—	—
MW-2A	05/07/97	36.62	9.23	27.39	3,300	—	25	18	16	11	ND	—	—	—	—
MW-2A	09/10/97	36.62	10.91	25.71	2,800	—	24	ND	ND	ND	43	—	—	—	1.08
MW-2A	02/12/98	36.62	5.59	31.03	3,800	—	10	11	30	14	ND	—	—	—	0.46
MW-3A	02/24/94	36.92	9.85	27.07	19,000	10,000	52	30	690	290	—	—	ND	—	—
MW-3A	08/23/94	36.92	12.33	24.59	14,000	11,000	44	24	1,000	100	—	—	ND	—	—
MW-3A	11/23/94	36.92	11.56	25.36	13,000	2,600	30	18	690	52	—	—	8,500	—	—
MW-3A	02/28/95	36.92	9.35	27.57	8,500	—	11	ND	340	24	—	—	5,500	—	—

### Groundwater Levels and Chemical Analysis

Former Mobil Station 04-FGN

Well ID	Date	Top of Casing	Depth to	Groundwater					Ethyl-	Total	MTBE	MTBE	TOG	TRPO	Dissolved
		Elevation	Water	Elevation	TPH-G	TPH-D	Benzene	Toluene	benzene	Xylenes	8020	8240 or 8260			
		(feet)	(feet)	(feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)	(mg/L)
MW-3A	05/10/95	36.92	8.55	28.37	7,600	3,800	ND	ND	400	45	—	—	3,900	—	—
MW-3A	08/02/95	36.93	9.75	27.18	9,200	3,800	17	13	340	34	—	—	—	—	—
MW-3A	11/02/95	36.93	11.29	25.64	9,200	4400*	31	ND	360	72	—	—	—	ND	—
MW-3A	02/08/96	36.93	7.97	28.96	6,900	3,800*	38	ND	230	43	—	—	—	—	—
MW-3A	05/08/96	36.93	8.82	28.11	7,700	—	ND	ND	270	38	—	—	—	—	—
MW-3A	08/09/96	36.93	9.95	26.98	—	—	—	—	—	—	—	—	—	—	—
MW-3A	08/20/96	36.93	—	—	5,600	—	8.0	29	180	23	12	—	—	—	—
MW-3A	11/07/96	36.93	11.28	25.65	8,600	—	47	ND	150	29	ND	—	—	—	—
MW-3A	02/10/97	36.93	7.95	28.98	8,300	—	28	ND	130	23	ND	—	—	—	—
MW-3A	05/07/97	36.93	9.45	27.48	37,000	—	230	110	630	ND	ND	—	—	—	—
MW-3A	09/10/97	36.93	11.13	25.80	5,500	—	16	ND	75	11	ND	—	—	—	0.68
MW-3A	02/12/98	36.93	5.72	31.21	10,000	—	37	ND	84	25	ND	—	—	—	0.48
MW-4A	08/02/95	37.18	9.63	27.55	ND	ND	ND	ND	ND	ND	—	—	—	—	—
MW-4A	11/02/95	37.18	11.48	25.70	ND	ND	ND	ND	ND	ND	—	—	—	ND	—
MW-4A	02/08/96	37.18	8.18	29.00	ND	ND	ND	1.1	ND	0.92	—	—	—	—	—
MW-4A	05/08/96	37.18	8.49	28.69	ND	—	ND	ND	ND	ND	—	—	—	—	—
MW-4A	08/09/96	37.18	10.05	27.13	—	—	—	—	—	—	—	—	—	—	—
MW-4A	08/20/96	37.18	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—
MW-4A	11/07/96	37.18	11.48	25.70	ND	—	ND	ND	ND	0.88	ND	—	—	—	—
MW-4A	02/10/97	37.18	8.11	29.07	ND	—	ND	2.4	ND	ND	ND	—	—	—	—
MW-4A	05/07/97	37.18	9.64	27.54	ND	—	ND	ND	ND	ND	ND	—	—	—	—
MW-4A	09/10/97	37.18	11.32	25.86	—	—	—	—	—	—	—	—	—	—	2.37
MW-4A	02/12/98	37.18	5.90	31.28	ND	—	ND	ND	ND	ND	ND	—	—	—	0.51
MW-5A	08/02/95	35.91	8.74	27.17	1,300	220	16	0.68	1.3	4.3	—	—	—	—	—
MW-5A	11/02/95	35.91	10.34	25.57	180	ND	1.9	1.2	ND	ND	—	—	—	ND	—
MW-5A	02/08/96	35.91	6.67	29.24	160	150	1.9	2.2	ND	0.89	—	—	—	—	—
MW-5A	05/08/96	35.91	7.35	28.56	260	—	2.4	6.7	2.0	9.6	—	—	—	—	—
MW-5A	08/09/96	35.91	8.81	27.10	—	—	—	—	—	—	—	—	—	—	—
MW-5A	08/20/96	35.91	—	—	ND	—	ND	1.8	ND	ND	9.4	—	—	—	—
MW-5A	11/07/96	35.91	10.25	25.66	—	—	—	—	—	—	—	—	—	—	—
MW-5A	02/10/97	35.91	6.93	28.98	ND	—	ND	1.2	ND	ND	ND	—	—	—	—
MW-5A	05/07/97	35.91	8.42	27.49	—	—	—	—	—	—	—	—	—	—	—
MW-5A	09/10/97	35.91	10.15	25.76	—	—	—	—	—	—	—	—	—	—	1.05
MW-5A	02/12/98	35.91	5.32	30.59	ND	—	ND	ND	ND	ND	ND	—	—	—	0.90
MW-6A	08/02/95	37.10	9.68	27.42	ND	ND	ND	ND	ND	ND	—	—	—	—	—
MW-6A	11/02/95	37.10	11.26	25.84	ND	ND	ND	ND	ND	ND	—	—	—	ND	—
MW-6A	02/08/96	37.10	7.79	29.31	ND	ND	ND	1.3	ND	1.3	—	—	—	—	—
MW-6A	05/08/96	37.10	8.38	28.72	ND	—	ND	1.6	ND	1.2	—	—	—	—	—

### Groundwater Levels and Chemical Analysis

Former Mobil Station 04-FGN

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8240 or 8260 (ppb)	TOG (ppb)	TRPO (ppm)	Dissolved Oxygen (mg/L)
MW-6A	08/09/96	37.10	9.82	27.28	—	—	—	—	—	—	—	—	—	—	—
MW-6A	08/20/96	37.10	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—
MW-6A	11/07/96	37.10	11.02	26.08	—	—	—	—	—	—	—	—	—	—	—
MW-6A	02/10/97	37.10	7.70	29.40	ND	—	ND	3.4	ND	ND	ND	—	—	—	—
MW-6A	05/07/97	37.10	9.31	27.79	—	—	—	—	—	—	—	—	—	—	—
MW-6A	09/10/97	37.10	11.08	26.02	—	—	—	—	—	—	—	—	—	—	1.08
MW-6A	02/12/98	37.10	5.52	31.58	ND	—	ND	ND	ND	ND	ND	—	—	—	0.83
MW-7A	11/02/95	37.39	11.77	25.62	ND	ND	ND	ND	ND	ND	—	—	—	ND	—
MW-7A	02/08/96	37.39	8.68	28.71	ND	75	ND	1.4	ND	1.5	—	—	—	—	—
MW-7A	05/08/96	37.39	9.00	28.39	ND	—	2.2	6.3	1.4	7.9	—	—	—	—	—
MW-7A	08/09/96	37.39	10.31	27.08	—	—	—	—	—	—	—	—	—	—	—
MW-7A	08/20/96	37.39	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—
MW-7A	11/07/96	37.39	11.81	25.58	ND	—	ND	0.96	ND	1.6	ND	—	—	—	—
MW-7A	02/10/97	37.39	8.57	28.82	ND	—	ND	2.4	ND	ND	ND	—	—	—	—
MW-7A	05/07/97	37.39	10.05	27.34	ND	—	ND	ND	ND	ND	ND	—	—	—	—
MW-7A	09/10/97	37.39	11.66	25.73	ND	—	ND	ND	ND	ND	ND	—	—	—	2.48
MW-7A	02/12/98	37.39	6.55	30.84	ND	—	ND	ND	ND	ND	ND	—	—	—	1.07
<b>UNOCAL Wells</b>															
MW-1	08/23/93	—	—	—	24,000	—	160	110	840	810	—	—	—	—	—
MW-1	11/23/93	—	—	—	18,000	—	210	63	900	620	—	—	—	—	—
MW-1	02/24/94	36.37	9.45	26.92	18,000	—	74	30	940	480	—	—	—	—	—
MW-1	08/23/94	36.37	11.98	24.39	24,000	—	130	57	970	320	—	—	—	—	—
MW-1	11/23/94	36.37	11.17	25.20	—	—	—	—	—	—	—	—	—	—	—
MW-1	02/03/95	36.37	8.01	28.36	—	—	—	—	—	—	—	—	—	—	—
MW-1	05/10/95	36.37	8.51	27.86	—	—	—	—	—	—	—	—	—	—	—
MW-1	08/02/95	36.37	10.00	26.37	—	—	—	—	—	—	—	—	—	—	—
MW-1	11/02/95	36.37	11.11	25.26	—	—	—	—	—	—	—	—	—	—	—
MW-1	02/08/96	36.37	7.74	28.63	—	—	—	—	—	—	—	—	—	—	—
MW-1	05/08/96	36.37	8.50	27.87	—	—	—	—	—	—	—	—	—	—	—
MW-1	08/08/96	36.37	9.72	26.65	—	—	—	—	—	—	—	—	—	—	—
MW-1	11/07/96	36.37	10.74	25.63	—	—	—	—	—	—	—	—	—	—	—
MW-1	02/10/97	36.37	7.92	28.45	—	—	—	—	—	—	—	—	—	—	—
MW-1	05/07/97	36.37	9.24	27.13	—	—	—	—	—	—	—	—	—	—	—
MW-1	08/05/97	36.37	10.20	26.17	—	—	—	—	—	—	—	—	—	—	—
MW-2	08/23/93	—	—	—	15,000	—	110	ND	590	64	—	—	—	—	—
MW-2	11/23/93	—	—	—	11,000	—	80	10	480	20	—	—	—	—	—
MW-2	02/24/94	36.34	9.27	27.07	11,000	—	44	ND	580	32	—	—	—	—	—
MW-2	08/23/94	36.34	11.82	24.52	12,000	—	45	10	360	20	—	—	—	—	—



### Groundwater Levels and Chemical Analysis

Former Mobil Station 04-FGN

Well ID	Date	Top of Casing	Depth to	Groundwater					Ethyl-	Total	MTBE	MTBE	TOG	TRPO	Dissolved
		Elevation	Water	Elevation	TPH-G	TPH-D	Benzene	Toluene	benzene	Xylenes	8020	8240 or 8260	(ppb)	(ppm)	Oxygen
		(feet)	(feet)	(feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)			(mg/L)
MW-2	11/23/94	36.34	10.97	25.37	—	—	—	—	—	—	—	—	—	—	—
MW-2	02/03/95	36.34	7.87	28.47	—	—	—	—	—	—	—	—	—	—	—
MW-2	05/10/95	36.34	8.38	27.96	—	—	—	—	—	—	—	—	—	—	—
MW-2	08/02/95	36.34	9.36	26.98	—	—	—	—	—	—	—	—	—	—	—
MW-2	11/02/95	36.34	10.95	25.39	—	—	—	—	—	—	—	—	—	—	—
MW-2	02/08/96	36.34	7.52	28.82	—	—	—	—	—	—	—	—	—	—	—
MW-2	05/08/96	36.34	8.21	28.13	—	—	—	—	—	—	—	—	—	—	—
MW-2	08/08/96	36.34	9.54	26.80	—	—	—	—	—	—	—	—	—	—	—
MW-2	11/07/96	36.34	10.69	25.65	—	—	—	—	—	—	—	—	—	—	—
MW-2	02/10/97	36.34	7.75	28.59	—	—	—	—	—	—	—	—	—	—	—
MW-2	05/07/97	36.34	9.14	27.20	—	—	—	—	—	—	—	—	—	—	—
MW-2	08/05/97	36.34	10.23	26.11	—	—	—	—	—	—	—	—	—	—	—
MW-3	08/23/93	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3	11/23/93	—	—	—	2,900	—	25	ND	50	18	—	—	—	—	—
MW-3	02/24/94	36.42	9.21	27.21	2,300	—	34	ND	24	5.6	—	—	—	—	—
MW-3	08/23/94	36.42	11.88	24.54	3,400	—	46	ND	53	11	—	—	—	—	—
MW-3	11/23/94	36.42	10.98	25.44	2,900	—	37	49	14	2.9	—	—	—	—	—
MW-3	02/03/95	36.42	7.89	28.53	—	—	—	—	—	—	—	—	—	—	—
MW-3	05/10/95	36.42	8.38	28.04	—	—	—	—	—	—	—	—	—	—	—
MW-3	08/02/95	36.42	9.49	26.93	—	—	—	—	—	—	—	—	—	—	—
MW-3	11/02/95	36.42	11.00	25.42	—	—	—	—	—	—	—	—	—	—	—
MW-3	02/08/96	36.42	7.41	29.01	—	—	—	—	—	—	—	—	—	—	—
MW-3	05/08/96	36.42	8.20	28.22	—	—	—	—	—	—	—	—	—	—	—
MW-3	08/08/96	36.42	9.53	26.89	—	—	—	—	—	—	—	—	—	—	—
MW-3	11/07/96	36.42	10.96	25.46	—	—	—	—	—	—	—	—	—	—	—
MW-3	02/10/97	36.42	7.71	28.71	—	—	—	—	—	—	—	—	—	—	—
MW-3	05/07/97	36.42	9.17	27.25	—	—	—	—	—	—	—	—	—	—	—
MW-3	08/05/97	36.42	10.27	26.15	—	—	—	—	—	—	—	—	—	—	—
MW-4	08/23/93	—	—	—	1,200	—	5	ND	16	ND	—	—	—	—	—
MW-4	11/23/93	—	—	—	720	—	10	ND	8.7	ND	—	—	—	—	—
MW-4	02/24/94	37.04	9.89	27.15	1,300	—	8.9	ND	20	ND	—	—	—	—	—
MW-4	08/23/94	37.04	12.57	24.47	690	—	9.2	1.3	7.1	1.9	—	—	—	—	—
MW-4	11/23/94	37.04	11.65	25.39	—	—	—	—	—	—	—	—	—	—	—
MW-4	02/03/95	37.04	8.52	28.52	—	—	—	—	—	—	—	—	—	—	—
MW-4	05/10/95	37.04	9.97	27.07	—	—	—	—	—	—	—	—	—	—	—
MW-4	08/02/95	37.04	10.18	26.86	—	—	—	—	—	—	—	—	—	—	—
MW-4	11/02/95	37.04	11.67	25.37	—	—	—	—	—	—	—	—	—	—	—
MW-4	02/08/96	37.04	8.15	28.89	—	—	—	—	—	—	—	—	—	—	—
MW-4	08/08/96	37.04	10.24	26.80	—	—	—	—	—	—	—	—	—	—	—

### Groundwater Levels and Chemical Analysis

Former Mobil Station 04-FGN

Well ID	Date	Top of Casing	Depth to	Groundwater					Ethyl-	Total	MTBE	MTBE	TOG	TRPO	Dissolved
		Elevation (feet)	Water (feet)	Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	benzene (ppb)	Xylenes (ppb)	8020 (ppb)	8240 or 8260 (ppb)	(ppb)	(ppm)	Oxygen (mg/L)
MW-4	11/07/96	37.04	11.58	25.46	—	—	—	—	—	—	—	—	—	—	—
MW-4	02/10/97	37.04	8.45	28.59	—	—	—	—	—	—	—	—	—	—	—
MW-4	05/07/97	37.04	9.85	27.19	—	—	—	—	—	—	—	—	—	—	—
MW-4	08/05/97	37.04	11.04	26.00	—	—	—	—	—	—	—	—	—	—	—
MW-5	08/23/93	—	—	—	61,000	—	340	380	3,600	14,000	—	—	—	—	—
MW-5	11/23/93	—	—	—	46,000	—	290	310	4,100	15,000	—	—	—	—	—
MW-5	02/24/94	35.94	9.02	26.92	57,000	—	140	400	4,400	16,000	—	—	—	—	—
MW-5	08/23/94	35.94	11.57	24.37	61,000	—	360	380	4,800	17,000	—	—	—	—	—
MW-5	11/23/94	35.94	10.71	25.23	—	—	—	—	—	—	—	—	—	—	—
MW-5	02/03/95	35.94	7.69	28.25	—	—	—	—	—	—	—	—	—	—	—
MW-5	05/10/95	35.94	8.2	27.74	—	—	—	—	—	—	—	—	—	—	—
MW-5	08/02/95	35.94	9.23	26.71	—	—	—	—	—	—	—	—	—	—	—
MW-5	11/02/95	35.94	10.70	25.24	—	—	—	—	—	—	—	—	—	—	—
MW-5	02/08/96	35.94	7.36	28.58	—	—	—	—	—	—	—	—	—	—	—
MW-5	05/08/96	35.94	8.25	27.69	—	—	—	—	—	—	—	—	—	—	—
MW-5	08/08/96	35.94	9.37	26.57	—	—	—	—	—	—	—	—	—	—	—
MW-5	11/07/96	35.94	10.65	25.29	—	—	—	—	—	—	—	—	—	—	—
MW-5	02/10/97	35.94	7.63	28.31	—	—	—	—	—	—	—	—	—	—	—
MW-5	05/07/97	35.94	8.98	26.96	—	—	—	—	—	—	—	—	—	—	—
MW-5	08/05/97	35.94	11.08	24.86	—	—	—	—	—	—	—	—	—	—	—
MW-6	08/23/93	—	—	—	1,000	—	9.4	2.3	5	2.3	—	—	—	—	—
MW-6	11/23/93	—	—	—	520	—	ND	1.7	1.9	0.82	—	—	—	—	—
MW-6	02/24/94	35.67	8.39	27.28	810	—	12	ND	2.6	0.77	—	—	—	—	—
MW-6	08/23/94	35.67	10.97	24.70	570	—	6.8	2.5	3.2	2.6	—	—	—	—	—
MW-6	11/23/94	35.67	10.21	25.46	—	—	—	—	—	—	—	—	—	—	—
MW-6	02/03/95	35.67	6.99	28.68	—	—	—	—	—	—	—	—	—	—	—
MW-6	05/10/95	35.67	7.53	28.14	—	—	—	—	—	—	—	—	—	—	—
MW-6	08/02/95	35.67	8.68	26.99	—	—	—	—	—	—	—	—	—	—	—
MW-6	11/02/95	35.67	10.20	25.47	—	—	—	—	—	—	—	—	—	—	—
MW-6	02/08/96	35.67	6.66	29.01	—	—	—	—	—	—	—	—	—	—	—
MW-6	05/08/96	35.67	7.40	28.27	—	—	—	—	—	—	—	—	—	—	—
MW-6	08/08/96	35.67	8.72	26.95	—	—	—	—	—	—	—	—	—	—	—
MW-6	11/07/96	35.67	10.12	25.55	—	—	—	—	—	—	—	—	—	—	—
MW-6	02/10/97	35.67	6.88	28.79	—	—	—	—	—	—	—	—	—	—	—
MW-6	05/07/97	35.67	8.32	27.35	—	—	—	—	—	—	—	—	—	—	—
MW-6	08/05/97	35.67	9.64	26.03	—	—	—	—	—	—	—	—	—	—	—
MW-7	08/23/93	—	—	—	33,000	—	360	ND	2,500	4,300	—	—	—	—	—
MW-7	11/23/93	—	—	—	19,000	—	310	30	2,500	2,300	—	—	—	—	—

### Groundwater Levels and Chemical Analysis

Former Mobil Station 04-FGN

Well ID	Date	Top of Casing	Depth to	Groundwater	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8240 or 8260 (ppb)	TOG (ppb)	TRPO (ppm)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Water (feet)	Elevation (feet)											
MW-7	02/24/94	36.09	8.95	27.14	16,000	—	220	19	2,400	3,200	—	—	—	—	—
MW-7	08/23/94	36.09	11.43	24.66	19,000	—	210	50	2,000	2,800	—	—	—	—	—
MW-7	11/23/94	36.09	10.69	25.40	—	—	—	—	—	—	—	—	—	—	—
MW-7	02/03/95	36.09	7.49	28.60	—	—	—	—	—	—	—	—	—	—	—
MW-7	05/10/95	36.09	7.88	28.21	—	—	—	—	—	—	—	—	—	—	—
MW-7	08/02/95	36.09	9.02	27.07	—	—	—	—	—	—	—	—	—	—	—
MW-7	11/02/95	36.09	10.55	25.54	—	—	—	—	—	—	—	—	—	—	—
MW-7	02/08/96	36.09	7.13	28.96	—	—	—	—	—	—	—	—	—	—	—
MW-7	05/08/96	36.09	7.11	28.98	—	—	—	—	—	—	—	—	—	—	—
MW-7	08/08/96	36.09	9.07	27.02	—	—	—	—	—	—	—	—	—	—	—
MW-7	11/07/96	36.09	10.76	25.33	—	—	—	—	—	—	—	—	—	—	—
MW-7	02/10/97	36.09	7.22	28.87	—	—	—	—	—	—	—	—	—	—	—
MW-7	05/07/97	36.09	8.47	27.62	—	—	—	—	—	—	—	—	—	—	—
MW-7	08/05/97	36.09	10.25	25.84	—	—	—	—	—	—	—	—	—	—	—
MW-8	08/23/93	—	—	—	280	—	49	4.5	ND	ND	—	—	—	—	—
MW-8	11/23/93	—	—	—	1,800	—	ND	3.4	ND	ND	—	—	—	—	—
MW-8	02/24/94	36.89	10.44	26.45	1,200	—	10	2.3	ND	3.2	—	—	—	—	—
MW-8	08/23/94	36.89	12.61	24.28	3,200	—	45	18	2	7.2	—	—	—	—	—
MW-8	11/23/94	36.89	11.98	24.91	—	—	—	—	—	—	—	—	—	—	—
MW-8	02/03/95	36.89	9.16	27.73	—	—	—	—	—	—	—	—	—	—	—
MW-8	05/10/95	36.89	9.35	27.54	—	—	—	—	—	—	—	—	—	—	—
MW-8	08/02/95	36.89	10.40	26.49	—	—	—	—	—	—	—	—	—	—	—
MW-8	11/02/95	36.89	11.80	25.09	—	—	—	—	—	—	—	—	—	—	—
MW-8	02/08/96	36.89	8.98	27.91	—	—	—	—	—	—	—	—	—	—	—
MW-8	05/08/96	36.89	9.46	27.43	—	—	—	—	—	—	—	—	—	—	—
MW-8	08/08/96	36.89	10.47	26.42	—	—	—	—	—	—	—	—	—	—	—
MW-8	11/07/96	36.89	11.71	25.18	—	—	—	—	—	—	—	—	—	—	—
MW-8	02/10/97	36.89	8.84	28.05	—	—	—	—	—	—	—	—	—	—	—
MW-8	05/07/97	36.89	10.12	26.77	—	—	—	—	—	—	—	—	—	—	—
MW-8	08/05/97	36.89	11.26	25.63	—	—	—	—	—	—	—	—	—	—	—
MW-9	08/23/93	—	—	—	3,000	—	29	ND	ND	ND	—	—	—	—	—
MW-9	11/23/93	—	—	—	2,500	—	23	2.1	ND	ND	—	—	—	—	—
MW-9	02/24/94	36.29	9.74	26.55	2,900	—	35	ND	ND	ND	—	—	—	—	—
MW-9	08/23/94	36.29	11.99	24.30	2,800	—	28	32	ND	ND	—	—	—	—	—
MW-9	11/23/94	36.29	11.31	24.98	—	—	—	—	—	—	—	—	—	—	—
MW-9	02/03/95	36.29	8.45	27.84	—	—	—	—	—	—	—	—	—	—	—
MW-9	08/02/95	36.29	7.95	28.34	—	—	—	—	—	—	—	—	—	—	—
MW-9	11/02/95	36.29	11.16	25.13	—	—	—	—	—	—	—	—	—	—	—
MW-9	02/08/96	36.29	8.15	28.14	—	—	—	—	—	—	—	—	—	—	—

### Groundwater Levels and Chemical Analysis

Former Mobil Station 04-FGN

Well ID	Date	Top of Casing	Depth to	Groundwater	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8240 or 8260 (ppb)	TOG (ppb)	TRPO (ppm)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Water (feet)	Elevation (feet)											
MW-9	05/08/96	36.29	8.75	27.54	—	—	—	—	—	—	—	—	—	—	—
MW-9	08/08/96	36.29	9.84	26.45	—	—	—	—	—	—	—	—	—	—	—
MW-9	11/07/96	36.29	11.10	25.19	—	—	—	—	—	—	—	—	—	—	—
MW-9	02/10/97	36.29	8.15	28.14	—	—	—	—	—	—	—	—	—	—	—
MW-9	05/07/97	36.29	9.45	26.84	—	—	—	—	—	—	—	—	—	—	—
MW-9	08/05/97	36.29	10.70	25.59	—	—	—	—	—	—	—	—	—	—	—
MW-10	08/23/93	—	—	—	20,000	—	230	13	3,200	140	—	—	—	—	—
MW-10	11/23/93	—	—	—	18,000	—	300	10	2,800	110	—	—	—	—	—
MW-10	02/24/94	36.04	9.57	26.47	15,000	—	330	19	2,000	83	—	—	—	—	—
MW-10	08/23/94	36.04	11.81	24.23	16,000	—	250	41	1,800	74	—	—	—	—	—
MW-10	11/23/94	36.04	11.10	24.94	—	—	—	—	—	—	—	—	—	—	—
MW-10	02/03/95	36.04	8.32	27.72	—	—	—	—	—	—	—	—	—	—	—
MW-10	08/02/95	36.04	9.55	26.49	—	—	—	—	—	—	—	—	—	—	—
MW-10	11/02/95	36.04	11.03	25.01	—	—	—	—	—	—	—	—	—	—	—
MW-10	02/08/96	36.04	8.05	27.99	—	—	—	—	—	—	—	—	—	—	—
MW-10	05/08/96	36.04	8.70	27.34	—	—	—	—	—	—	—	—	—	—	—
MW-10	08/08/96	36.04	9.76	26.28	—	—	—	—	—	—	—	—	—	—	—
MW-10	11/07/96	36.04	10.92	25.12	—	—	—	—	—	—	—	—	—	—	—
MW-10	02/10/97	36.04	8.10	27.94	—	—	—	—	—	—	—	—	—	—	—
MW-10	05/07/97	36.04	9.28	26.76	—	—	—	—	—	—	—	—	—	—	—
MW-10	08/05/97	36.04	10.51	25.53	—	—	—	—	—	—	—	—	—	—	—
MW-11	08/23/93	—	—	—	5,400	—	68	ND	230	43	—	—	—	—	—
MW-11	11/23/93	—	—	—	3,400	—	105	ND	120	43	—	—	—	—	—
MW-11	02/24/94	35.50	9.20	26.30	4,600	—	170	ND	140	36	—	—	—	—	—
MW-11	08/23/94	35.50	11.39	24.11	7,300	—	250	13	150	42	—	—	—	—	—
MW-11	11/23/94	35.50	10.67	24.83	—	—	—	—	—	—	—	—	—	—	—
MW-11	02/03/95	35.50	8.02	27.48	—	—	—	—	—	—	—	—	—	—	—
MW-11	08/02/95	35.50	9.31	26.19	—	—	—	—	—	—	—	—	—	—	—
MW-11	11/02/95	35.50	10.85	24.65	—	—	—	—	—	—	—	—	—	—	—
MW-11	02/08/96	35.50	7.76	27.74	—	—	—	—	—	—	—	—	—	—	—
MW-11	05/08/96	35.50	8.50	27.00	—	—	—	—	—	—	—	—	—	—	—
MW-11	08/08/96	35.50	9.46	26.04	—	—	—	—	—	—	—	—	—	—	—
MW-11	11/07/96	35.50	10.58	24.92	—	—	—	—	—	—	—	—	—	—	—
MW-11	02/10/97	35.50	7.88	27.62	—	—	—	—	—	—	—	—	—	—	—
MW-11	05/07/97	35.50	9.07	26.43	—	—	—	—	—	—	—	—	—	—	—
MW-11	08/05/97	35.50	10.23	25.27	—	—	—	—	—	—	—	—	—	—	—

## Groundwater Levels and Chemical Analysis

Former Mobil Station 04-FGN

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8240 or 8260 (ppb)	TOG (ppb)	TRPO (ppm)	Dissolved Oxygen (mg/L)
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**NOTES:**

ppb = parts per billion  
 ppm = parts per million  
 mg/L = milligrams per liter  
 TPH-G = total petroleum hydrocarbons as gasoline  
 TPH-D = total petroleum hydrocarbons as diesel  
 MTBE = methyl-tert butyl ether

ND = not detected at or above method detection limit  
 TRPO = total recoverable petroleum oil  
 — = not analyzed or not provided  
 TOG = total oil and grease  
 \* = Unidentified hydrocarbons <C10



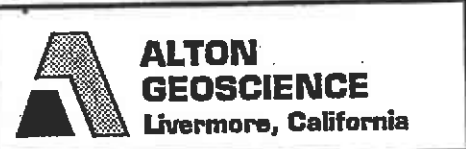
SCALE 1:24,000



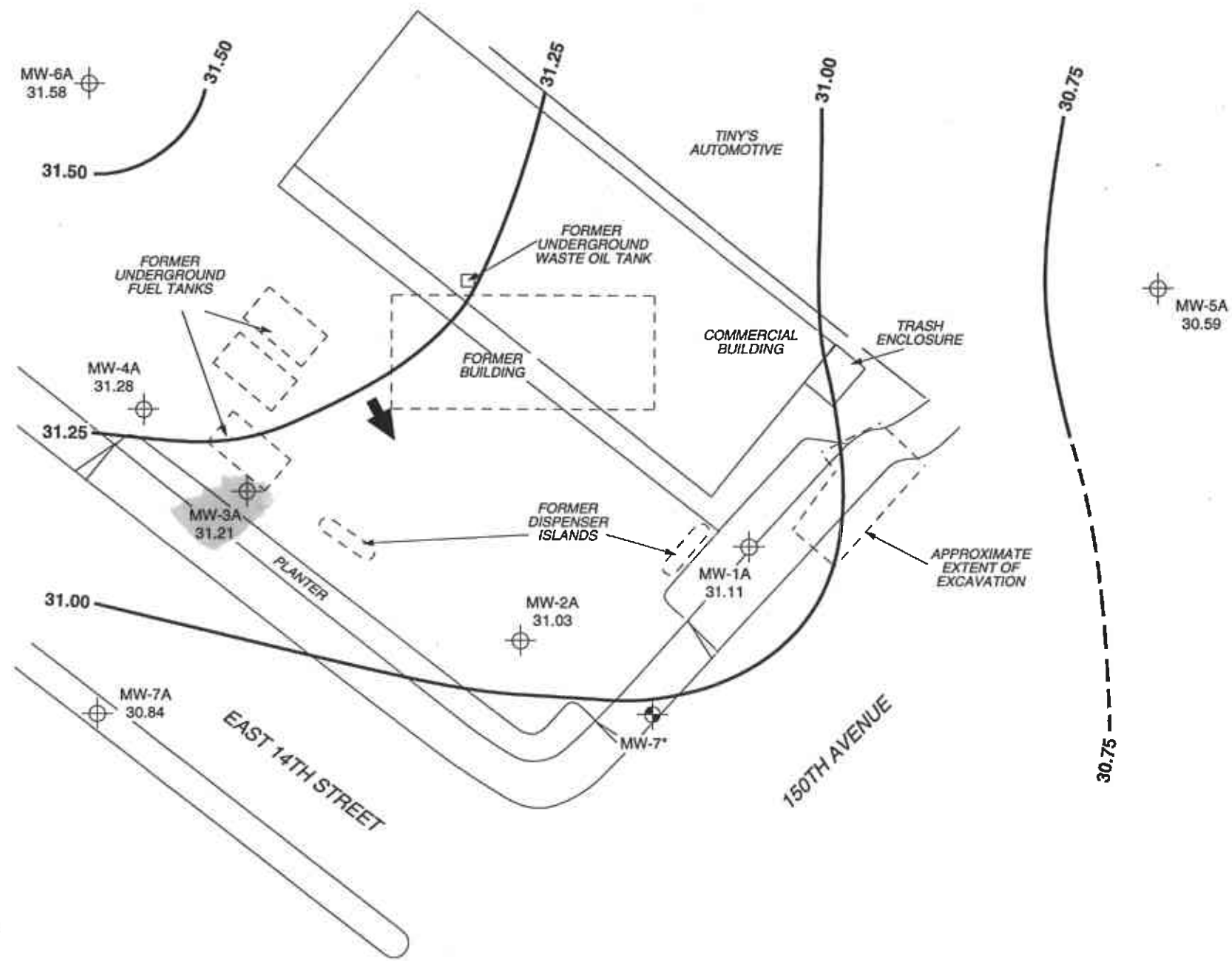
Source: U.S.G.S. Map  
Hayward & San Leandro  
Quadrangles  
California  
7.5 Minute Series

**VICINITY MAP**

Former Mobil Station 04-FGN  
14994 East 14th Street  
San Leandro, California



**FIGURE 1**



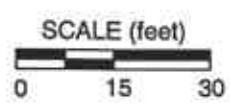
**LEGEND**

- MW-7A ND Groundwater monitoring well (Mobil) showing groundwater elevation in feet
- MW-7 Groundwater monitoring well (Unocal)
- Groundwater elevation contour line
- General direction of groundwater gradient

**NOTES:**  
 Results are based on fluid levels of groundwater wells measured February 12, 1998. Contour interval = 0.25 foot. \* = data not provided for Unocal well.



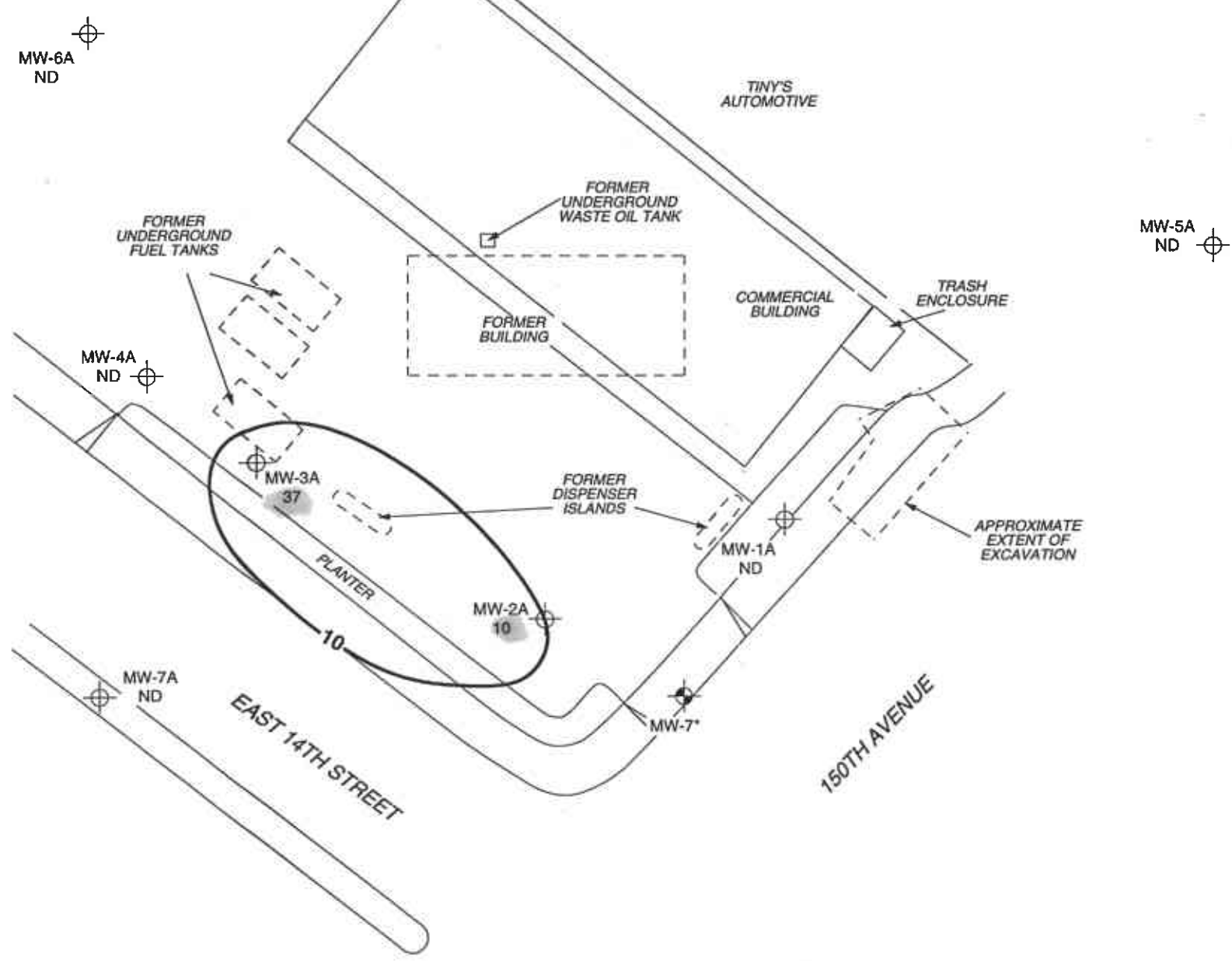
SOURCE: Alisto Engineering Group



**GROUNDWATER ELEVATION CONTOUR MAP**  
 February 12, 1998

Former Mobil Station 04-FGN  
 14994 East 14th Street  
 San Leandro, California

**FIGURE 2**



**LEGEND**

MW-7A ND Groundwater monitoring well (Mobil) showing dissolved-phase benzene concentration in ppb

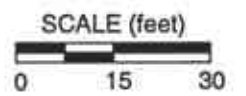
MW-7 Groundwater monitoring well (Unocal)

Dissolved-phase benzene isoconcentration line

**NOTES:**  
 Results are based on analysis of groundwater samples collected February 12, 1998. ND = not detected at or above method detection limit; ppb = parts per billion. \* = data not provided for Unocal wells.

**DISSOLVED-PHASE BENZENE CONCENTRATIONS**  
 February 12, 1998

Former Mobil Station 04-FGN  
 14994 East 14th Street  
 San Leandro, California



SOURCE: Alisto Engineering Group

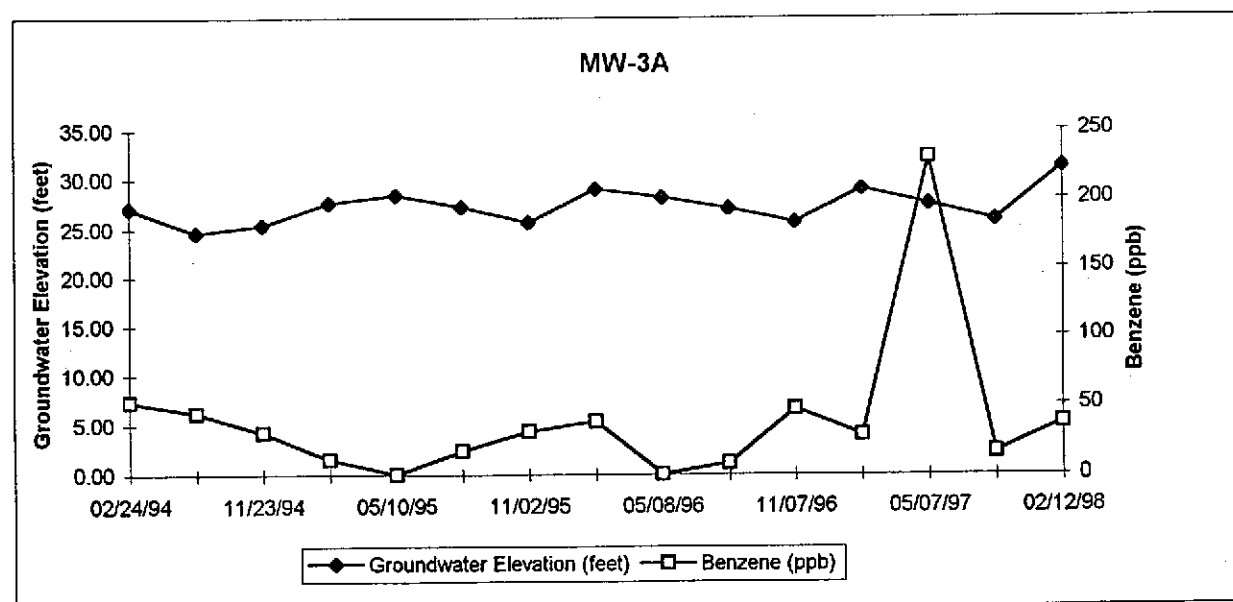
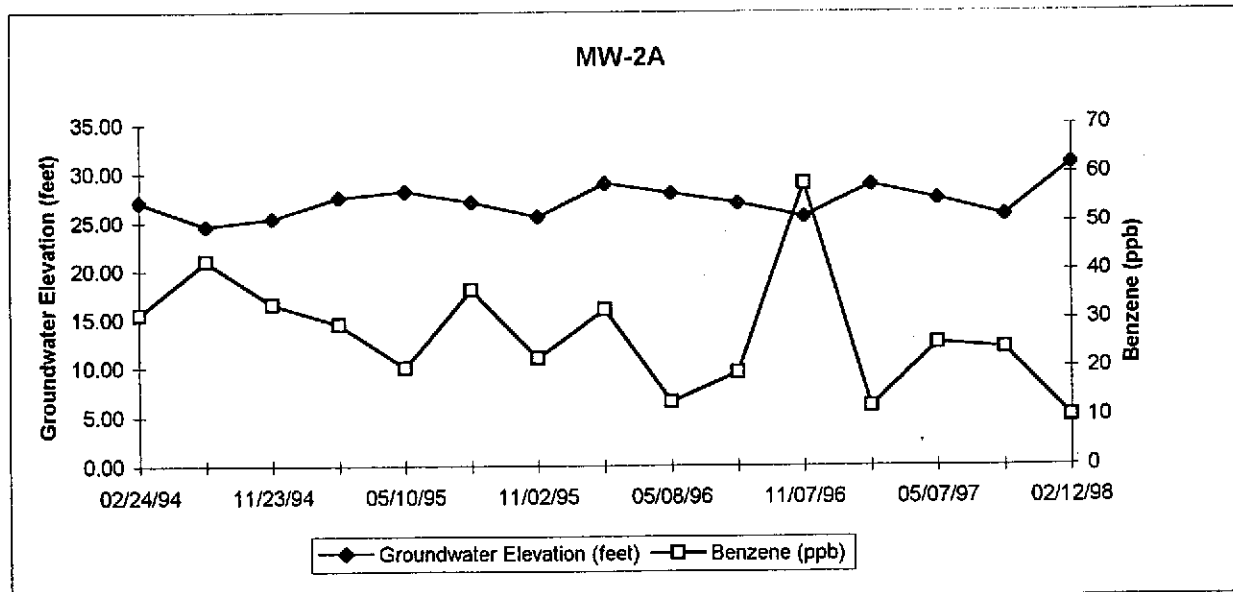
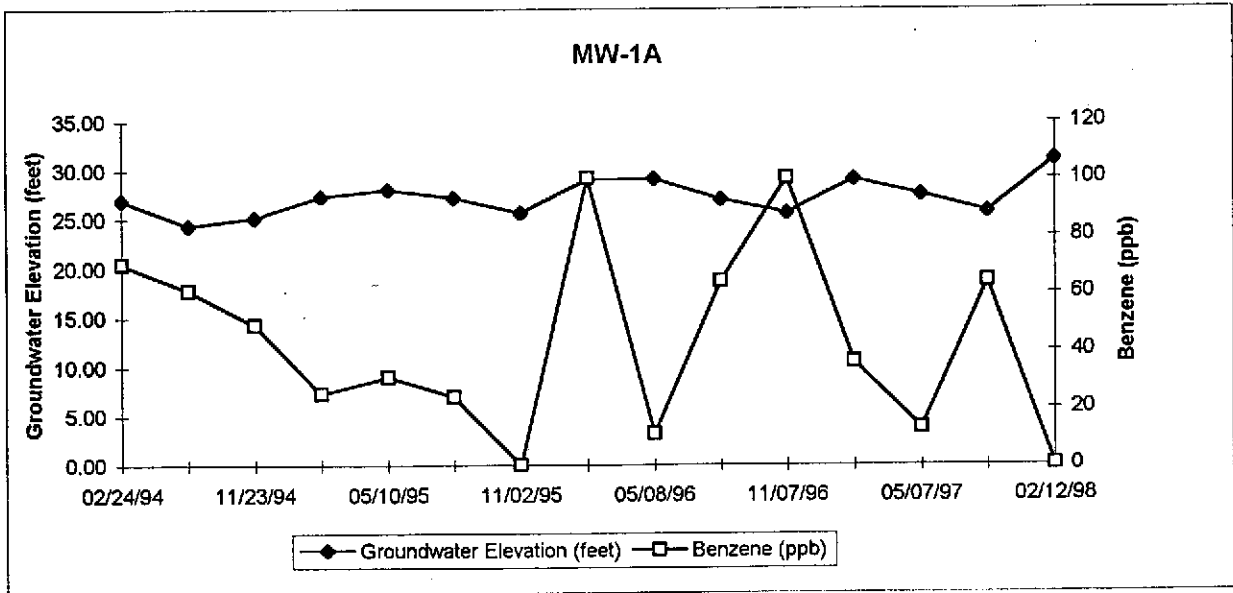
**FIGURE 3**



**EXHIBIT 4**

**BENZENE VERSUS GROUNDWATER ELEVATION GRAPHS**

# Benzene vs. Groundwater Elevation Graphs



**EXHIBIT 5**

**WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL**

## WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL

### FLUID-LEVEL MONITORING

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

### GROUNDWATER SAMPLING

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

#### *NON-PURGE METHOD:*

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

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

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

details. For these wells we require measurements of dissolved oxygen, specific conductance, pH, and temperature whether purged or not purged. Also, if biodegradation is being tracked at the well, our requirements do not preclude the measurement of other parameters.

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

#### *PURGE METHOD:*

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

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

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

**EXHIBIT 6**

**MONITORING WELL SAMPLING FORMS**



# Alton Geoscience, Northern California Operations

## GROUND WATER SAMPLING FIELD NOTES

Site: 04-FGW Project No.: 41-0114-50 Sampled By: JW Date: 2-12-98

Well No. MW-6A  
 Total Depth (feet) 24.07  
 Depth to Water (feet): 5.52  
 Water Column (feet): 18.51  
 80% Recharge Depth (feet): \_\_\_\_\_

Purge Method: Sub  
 Depth to Product (feet): 2  
 Product Recovered (gallons): 0  
 Casing Diameter (Inches): 4  
 1 Well Volume (gallons): 17.21

Well No. MW-7A  
 Total Depth (feet) 29.61  
 Depth to Water (feet): 6.55  
 Water Column (feet): 19.06  
 80% Recharge Depth (feet): \_\_\_\_\_

Purge Method: Sub  
 Depth to Product (feet): 0  
 Product Recovered (gallons): 0  
 Casing Diameter (Inches): 4  
 1 Well Volume (gallons): 17.21

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
10:05			12	.82	60.2	7.11
			24	.85	61.4	7.06
	10:37		36	.75	62.3	7.03
Total Purged			36	Time Sampled		10:40

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
10:52			8	.68	67.3	7.17
			16	.82	66.4	7.28
	10:24		20	.51	67.3	7.29
Total Purged			20	Time Sampled		11:30

Well No. MW-4A  
 Total Depth (feet) 34.9  
 Depth to Water (feet): 5.90  
 Water Column (feet): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_

Purge Method: Sub  
 Depth to Product (feet): 0  
 Product Recovered (gallons): 0  
 Casing Diameter (Inches): 4  
 1 Well Volume (gallons): \_\_\_\_\_

Well No. MW-3A  
 Total Depth (feet) 33  
 Depth to Water (feet): 5.22  
 Water Column (feet): 16.67  
 80% Recharge Depth (feet): \_\_\_\_\_

Purge Method: Sub  
 Depth to Product (feet): 0  
 Product Recovered (gallons): 0  
 Casing Diameter (Inches): 2  
 1 Well Volume (gallons): 2.2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
11:53			8	.96	62.4	7.69
			16	.98	64.2	7.31
	12:05		20	.77	64.3	7.26
Total Purged			20	Time Sampled		12:10

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
12:20			3	.68	62.6	7.11
			2	.73	63.4	7.16
	12:50		9	.84	65.6	7.26
Total Purged			9	Time Sampled		13:00

Well No. MW-2A  
 Total Depth (feet) 24.41  
 Depth to Water (feet): 5.59  
 Water Column (feet): 18.82  
 80% Recharge Depth (feet): \_\_\_\_\_

Purge Method: Sub  
 Depth to Product (feet): 0  
 Product Recovered (gallons): 0  
 Casing Diameter (Inches): 2  
 1 Well Volume (gallons): 3.15

Well No. MW-1A  
 Total Depth (feet) 19.60  
 Depth to Water (feet): 5.52  
 Water Column (feet): 13.68  
 80% Recharge Depth (feet): \_\_\_\_\_

Purge Method: Sub  
 Depth to Product (feet): 0  
 Product Recovered (gallons): 0  
 Casing Diameter (Inches): 2  
 1 Well Volume (gallons): 2.2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
13:10			3	.83	61.4	7.52
			6	.81	62.6	7.64
	13:30		9	.79	63.6	7.42
Total Purged			9	Time Sampled		13:40

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
13:50			15	.96	60.4	7.14
			2	.86	62.6	7.06
	14:00		37	.93	66.6	7.06
Total Purged			54	Time Sampled		14:10



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

Site: 04-FGW Project No.: U-0114-50 Sampled By: JUM Date: 2-12-98

Well No. MW-5A Purge Method: S+D  
 Total Depth (feet) 24.27 Depth to Product (feet): 0  
 Depth to Water (feet): 5.32 Product Recovered (gallons): 0  
 Water Column (feet): 18.95 Casing Diameter (Inches): 4  
 80% Recharge Depth (feet): \_\_\_\_\_ 1 Well Volume (gallons): 20

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

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temper-ature (F, C)	pH
10:00			8	197	62.3	7.54
			16	189	64.7	7.42
	10:20		20	183	65.2	7.36
Total Purged			20	Time Sampled		10:20

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

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temper-ature (F, C)	pH
Total Purged				Time Sampled		

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

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

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

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temper-ature (F, C)	pH
Total Purged				Time Sampled		

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

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temper-ature (F, C)	pH
Total Purged				Time Sampled		

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

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

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

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temper-ature (F, C)	pH
Total Purged				Time Sampled		

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

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temper-ature (F, C)	pH
Total Purged				Time Sampled		

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

**EXHIBIT 7**

**ANALYTICAL LABORATORY DATA SHEETS**



**LLI Sample No. WW 2876955**  
 Collected: 2/12/98 at 14:06 by JM  
 Submitted: 2/16/98 Reported: 2/24/98  
 Discard: 3/27/98

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

P.O.  
Rel.

MW-1A Grab Water Sample  
 LOC# 18-FGN PRCA#980044 PHC#6L  
 MOBIL: 14994 E. 14th St - San Leandro, CA

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
8209	BTEX, MTBE (8020)			
0776	Benzene	N.D.	0.3	ug/l
0777	Toluene	N.D.	0.3	ug/l
0778	Ethylbenzene	N.D.	0.3	ug/l
0779	Total Xylenes	N.D.	0.6	ug/l
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	N.D.	50.	ug/l

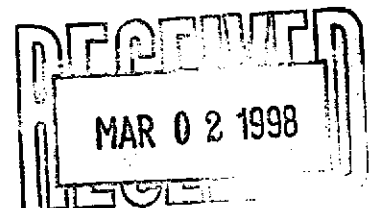
QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
8209	BTEX, MTBE (8020)	Batch: 98048A02									
0776	Benzene 0.3 ug/l	N.D.		112	102	9	102			78	138
0777	Toluene 0.3 ug/l	N.D.		114	104	9	104			78	118
0778	Ethylbenzene 0.3 ug/l	N.D.		110	101	9	101			77	119
0779	Total Xylenes 0.6 ug/l	N.D.		113	104	8	105			76	116
0780	Methyl tert-Butyl Ether 10. ug/l	N.D.		106	105	2	106			76	144
8268	8015 Mod. for Gasoline	Batch: 98048A02									
5554	TPH-GRO (CA LUFT) 50. ug/l	N.D.		102	94	8	108			75	125

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

1 COPY TO Alton Geoscience

ATTN: Mr. Tom Seeliger



Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300  
 08:16:30 D 0001 7 133857 603005  
 547 0.00 00005300 ASR000

Respectfully Submitted  
 Michele McClarin, 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 2876955**  
 Collected: 2/12/98 at 14:06 by JM

Submitted: 2/16/98 Reported: 2/24/98  
 Discard: 3/27/98

MW-1A Grab Water Sample  
 LOC# 18-FGN PRCA#980044 PHC#6L  
 MOBIL: 14994 E. 14th St - San Leandro, CA

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

P.O.  
 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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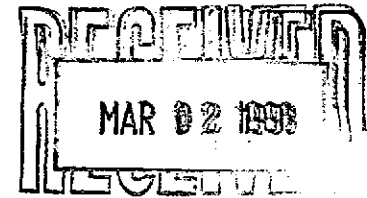
### SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
8209	BTEX, MTBE (8020)	107	70	130
8268	8015 Mod. for Gasoline	115	70	130

### LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	02/19/98 0707	Martha L. Bennett
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	02/19/98 0707	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

Respectfully Submitted  
 Michele McClarin, 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 2876954**  
 Collected: 2/12/98 at 13:45 by JM

Submitted: 2/16/98 Reported: 2/24/98  
 Discard: 3/27/98

MW-2A Grab Water Sample  
 LOC# 18-FGN PRCA#980044 PHC#6L  
 MOBIL: 14994 E. 14th St - San Leandro, CA

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

P.O.  
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
8209	BTEX, MTBE (8020)			
0776	Benzene	10.	0.3	ug/l
0777	Toluene	11.	0.3	ug/l
0778	Ethylbenzene	30.	0.3	ug/l
0779	Total Xylenes	14.	0.6	ug/l
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	3,800.	50.	ug/l

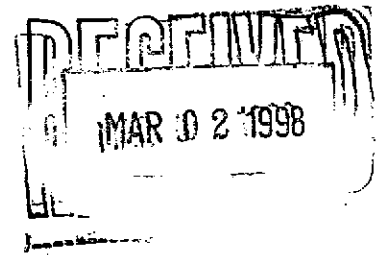
### QUALITY CONTROL REPORT

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: 98048A02								
0776	Benzene	N.D.		112	102	9	102			78	138
0777	Toluene	N.D.		114	104	9	104			78	118
0778	Ethylbenzene	N.D.		110	101	9	101			77	119
0779	Total Xylenes	N.D.		113	104	8	105			76	116
0780	Methyl tert-Butyl Ether	N.D.		106	105	2	106			76	144
8268 8015 Mod. for Gasoline			Batch: 98048A02								
5554	TPH-GRO (CA LUFT)	N.D.		102	94	8	108			75	125

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

1 COPY TO Alton Geoscience

ATTN: Mr. Tom Seeliger



Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300  
 08:15:25 D 0001 7 133857 603005  
 547 0.00 00005300 ASR000

Respectfully Submitted  
 Michele McClarin, 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 **2876954**  
 Collected: 2/12/98 at 13:45 by JM

Submitted: 2/16/98 Reported: 2/24/98  
 Discard: 3/27/98

MW-2A Grab Water Sample  
 LOC# 18-FGN PRCA#980044 PHC#6L  
 MOBIL: 14994 E. 14th St - San Leandro, CA

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

P.O.  
 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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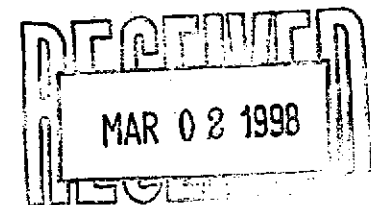
### SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
8209 BTEX, MTBE (8020)		TFT	130	70	130
8268 8015 Mod. for Gasoline		TFT	129	70	130

### LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	02/19/98 0412	Martha L. Bennett
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	02/19/98 0412	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

Respectfully Submitted  
 Michele McClarin, 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 **2876953**  
 Collected: 2/12/98 at 13:00 by JM

Submitted: 2/16/98 Reported: 2/24/98  
 Discard: 3/27/98

MW-3A Grab Water Sample  
 LOC# 18-FGN PRCA#980044 PHC#6L  
 MOBIL: 14994 E. 14th St - San Leandro, CA

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

P.O.  
 Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	REPORTING LIMIT	UNITS
8209	BTEX, MTBE (8020)			
0776	Benzene	37.	1.	ug/l
0777	Toluene	N.D. #	10.	ug/l
0778	Ethylbenzene	84.	1.	ug/l
0779	Total Xylenes	25.	3.	ug/l
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for toluene.				
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	10,000.	100.	ug/l
Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.				

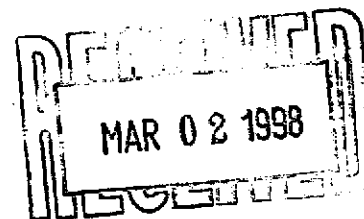
QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
8209 BTEX, MTBE (8020)		Batch: 98048A02									
0776	Benzene	N.D.		112	102	9	102			78	138
	1. ug/l										
0777	Toluene	N.D.		114	104	9	104			78	118
	10. ug/l										
0778	Ethylbenzene	N.D.		110	101	9	101			77	119
	1. ug/l										
0779	Total Xylenes	N.D.		113	104	8	105			76	116
	3. ug/l										
0780	Methyl tert-Butyl Ether	N.D.		106	105	2	106			76	144
	10. 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: Mr. Tom Seeliger



Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300  
 08:14:28 D 0001 7 133857 603005  
 547 0.00 00005300 ASR000

Respectfully Submitted  
 Michele McClarin, 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 2876953**

Collected: 2/12/98 at 13:00 by JM

Submitted: 2/16/98 Reported: 2/24/98

Discard: 3/27/98

MW-3A Grab Water Sample

LOC# 18-FGN PRCA#980044 PHC#6L

MOBIL: 14994 E. 14th St - San Leandro, CA

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

P.O.  
Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
8268 8015 Mod. for Gasoline		Batch: 98048A02									
5554 100.	TPH-GRO (CA LUFT) ug/l	N.D.		102	94	8	108			75	125

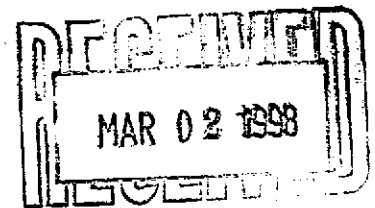
-----  
**SURROGATE SUMMARY**  
 -----

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
8209 BTEX, MTBE (8020)		TFT	127	70	130
8268 8015 Mod. for Gasoline		TFT	132	70	130

-----  
**LABORATORY CHRONICLE**  
 -----

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	02/19/98 1254	Donald L. Shelly., Jr.
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	02/19/98 1254	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

Respectfully Submitted  
 Michele McClarin, 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 2876952**  
 Collected: 2/12/98 at 12:10 by JM

Submitted: 2/16/98 Reported: 2/24/98  
 Discard: 3/27/98

MW-4A Grab Water Sample  
 LOC# 18-FGN PRCA#980044 PHC#6L  
 MOBIL: 14994 E. 14th St - San Leandro, CA

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

P.O.  
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
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

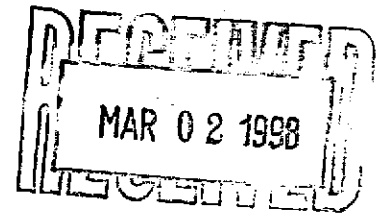
**QUALITY CONTROL REPORT**

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: 98048A02									
0776	Benzene	N.D.		112	102	9	102			78	138
	0.3 ug/l										
0777	Toluene	N.D.		114	104	9	104			78	118
	0.3 ug/l										
0778	Ethylbenzene	N.D.		110	101	9	101			77	119
	0.3 ug/l										
0779	Total Xylenes	N.D.		113	104	8	105			76	116
	0.6 ug/l										
0780	Methyl tert-Butyl Ether	N.D.		106	105	2	106			76	144
	10. ug/l										
8268 8015 Mod. for Gasoline		Batch: 98048A02									
5554	TPH-GRO (CA LUFT)	N.D.		102	94	8	108			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: Mr. Tom Seeliger



Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300  
 08:13:20 D 0001 7 133857 603005  
 547 0.00 00005300 ASR000

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



**LLI Sample No. WW 2876952**  
 Collected: 2/12/98 at 12:10 by JM

Submitted: 2/16/98 Reported: 2/24/98  
 Discard: 3/27/98

MW-4A Grab Water Sample  
 LOC# 18-FGN PRC#980044 PHC#6L  
 MOBIL: 14994 E. 14th St - San Leandro, CA

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

P.O.  
 ReI.

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)	122	70	130
8268	8015 Mod. for Gasoline	112	70	130

### LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	02/19/98 0303	Martha L. Bennett
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	02/19/98 0303	Martha L. Bennett

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

RECEIVED

MAR 02 1998

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

Respectfully Submitted  
 Michele McClarin, 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 2876949**  
 Collected: 2/12/98 at 10:20 by JM

Submitted: 2/16/98 Reported: 2/24/98  
 Discard: 3/27/98

MW-5A Grab Water Sample  
 LOC# 18-FGN PRCA#980044 PHC#6L  
 MOBIL: 14994 E. 14th St - San Leandro, CA

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

P.O.  
 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

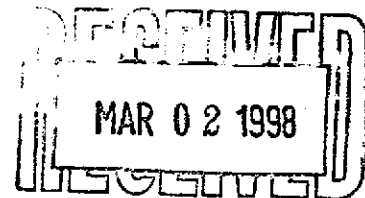
QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH	
8209	BTEX, MTBE (8020)	Batch: 98048A02										
0776	Benzene	N.D.		112	102	9	102			78	138	
	0.3 ug/l											
0777	Toluene	N.D.		114	104	9	104			78	118	
	0.3 ug/l											
0778	Ethylbenzene	N.D.		110	101	9	101			77	119	
	0.3 ug/l											
0779	Total Xylenes	N.D.		113	104	8	105			76	116	
	0.6 ug/l											
0780	Methyl tert-Butyl Ether	N.D.		106	105	2	106			76	144	
	10. ug/l											
8268	8015 Mod. for Gasoline	Batch: 98048A02										
5554	TPH-GRO (CA LUFT)	N.D.		102	94	8	108			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: Mr. Tom Seeliger



Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300  
 08:10:12 D 0001 7 133857 603005  
 547 0.00 00005300 ASR000

Respectfully Submitted  
 Michele McClarin, 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 2876949  
 Collected: 2/12/98 at 10:20 by JM

Submitted: 2/16/98 Reported: 2/24/98  
 Discard: 3/27/98

MW-5A Grab Water Sample  
 LOC# 18-FGN PRCA#980044 PHC#6L  
 MOBIL: 14994 E. 14th St - San Leandro, CA

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

P.O.  
 Ref.

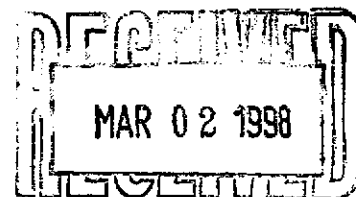
SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW HIGH
----------------	--------------	-------	---------	----	-----	--------	-----	---------	---------	---------------------

### SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
8209 BTEX, MTBE (8020)		TFT	106	70	130
8268 8015 Mod. for Gasoline		TFT	110	70	130

### LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	02/19/98 0041	Martha L. Bennett
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	02/19/98 0041	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

Respectfully Submitted  
 Michele McClarin, 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 2876950**  
 Collected: 2/12/98 at 10:40 by JM

Submitted: 2/16/98 Reported: 2/24/98  
 Discard: 3/27/98

MW-6A Grab Water Sample  
 LOC# 18-FGN PRC#980044 PHC#6L  
 MOBIL: 14994 E. 14th St - San Leandro, CA

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

P.O.  
 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

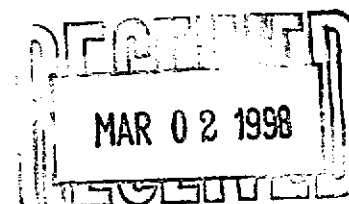
QUALITY CONTROL REPORT

SAMPLE RPT	SAMPLE 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: 98048A02									
0776	Benzene	0.3 ug/l	N.D.		112	102	9	102			78	138
0777	Toluene	0.3 ug/l	N.D.		114	104	9	104			78	118
0778	Ethylbenzene	0.3 ug/l	N.D.		110	101	9	101			77	119
0779	Total Xylenes	0.6 ug/l	N.D.		113	104	8	105			76	116
0780	Methyl tert-Butyl Ether	10. ug/l	N.D.		106	105	2	106			76	144
8268	8015 Mod. for Gasoline		Batch: 98048A02									
5554	TPH-GRO (CA LUFT)	50. ug/l	N.D.		102	94	8	108			75	125

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

1 COPY TO Alton Geoscience

ATTN: Mr. Tom Seeliger



Questions? Contact your Client Services Representative  
 Brian R. Boyles at (717) 656-2300  
 08:11:17 D 0001 7 133857 603005  
 547 0.00 00005300 ASR000

Respectfully Submitted  
 Michele McClarin, 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 2876950**

Collected: 2/12/98 at 10:40 by JM

Submitted: 2/16/98 Reported: 2/24/98

Discard: 3/27/98

MW-6A Grab Water Sample

LOC# 18-FGN PRCA#980044 PHC#6L

MOBIL: 14994 E. 14th St - San Leandro, CA

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

P.O.  
 Ref.

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

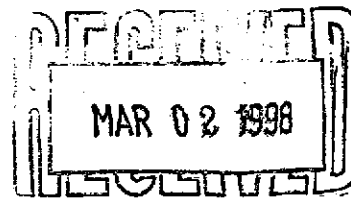
**SURROGATE SUMMARY**

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS
8209 BTEX, MTBE (8020)		TFT	119	LOW
8268 8015 Mod. for Gasoline		TFT	111	HIGH
				70
				70
				130
				130

**LABORATORY CHRONICLE**

CAT		METHOD		ANALYSIS			
NO	ANALYSIS NAME		TRIAL ID	DATE AND TIME	ANALYST		
8209	BTEX, MTBE (8020)	SW-846 8020A	1	02/19/98 0115	Martha L. Bennett		
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	02/19/98 0115	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

Respectfully Submitted  
 Michele McClarin, 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 2876951**

Collected: 2/12/98 at 11:30 by JM

Submitted: 2/16/98 Reported: 2/24/98

Discard: 3/27/98

MW-7A Grab Water Sample

LOC# 18-FGN PRCA#980044 PHC#6L

MOBIL: 14994 E. 14th St - San Leandro, CA

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

P.O.  
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

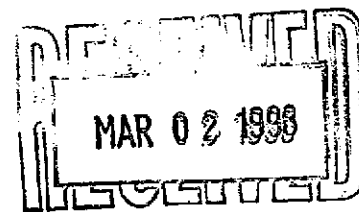
QUALITY CONTROL REPORT

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: 98048A02									
0776	Benzene	N.D.		112	102	9	102			78	138
	0.3 ug/l										
0777	Toluene	N.D.		114	104	9	104			78	118
	0.3 ug/l										
0778	Ethylbenzene	N.D.		110	101	9	101			77	119
	0.3 ug/l										
0779	Total Xylenes	N.D.		113	104	8	105			76	116
	0.6 ug/l										
0780	Methyl tert-Butyl Ether	N.D.		106	105	2	106			76	144
	10. ug/l										
8268	8015 Mod. for Gasoline	Batch: 98048A02									
5554	TPH-GRO (CA LUFT)	N.D.		102	94	8	108			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: Mr. Tom Seeliger



Questions? Contact your Client Services Representative  
Brian R. Boyles at (717) 656-2300  
08:12:21 D 0001 7 133857 603005  
547 0.00 00005300 ASR000

Respectfully Submitted  
Michele McClarin, 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 2876951**  
 Collected: 2/12/98 at 11:30 by JM

Submitted: 2/16/98 Reported: 2/24/98  
 Discard: 3/27/98

MW-7A Grab Water Sample  
 LOC# 18-FGN PRCA#980044 PHC#6L  
 MOBIL: 14994 E. 14th St - San Leandro, CA

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

P.O.  
 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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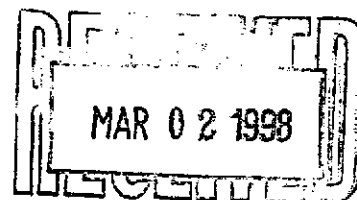
SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
8209	BTEX, MTBE (8020)	107	70	130
8268	8015 Mod. for Gasoline	111	70	130

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		ANALYST
			TRIAL ID	DATE AND TIME	
8209	BTEX, MTBE (8020)	SW-846 8020A	1	02/19/98 0228	Martha L. Bennett
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	02/19/98 0228	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

Respectfully Submitted  
 Michele McClarin, 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. #: 9788 Sample #: 2876949-55

Please print.

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

Mobil Consultant/Office: <u>Alton Geoscience</u>				Matrix		Analyses Requested <small>List total number of containers in the box under each analysis.</small>										Remarks	Temperature of samples upon receipt (if requested)					
Consultant Prj. Mgr: <u>Tom Seeliger</u>		Prj. #: <u>41-0114-50</u>		Potable <input type="checkbox"/> NPDES	Water	Oil <input type="checkbox"/> APEI	Total # of Containers	TPH-G/BTEX	MTBE #	<div style="border: 1px solid black; padding: 5px; display: inline-block;">                 MAR 02 1998                  1155000             </div>												
Consultant Phone #: <u>(810) 606-9150</u>		Fax #: <u>(810) 606-9260</u>								Soil												
Location Code #: <u>00FGN</u>		PRCA/AFE/Release #: <u>932196</u>		Grab	Composite																	
Commitment Code #: _____		Phase Code: <u>GL</u>		Site Address: <u>14994 E. 14th Street</u>		San Leandro State: <u>CA</u>		Sampler: <u>[Signature]</u>		Mobil Engineer: <u>Cherine Foutch</u>												
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil <input type="checkbox"/> APEI	Total # of Containers	TPH-G/BTEX	MTBE #												
MW-5A	2-12-98	1020	X			X		4	X	X	* Run Highest											
MW-6A		1040	X			X		4	X	X	MTBE For											
MW-7A		1130	X			X		4	X	X	an 8260											
MW-4A		1210	X			X		4	X	X	Confirmation											
MW-3A		1300	X			X		4	X	X												
MW-2A		1345	X			X		4	X	X	2.5°C											
MW-1A		1402	X			X		4	X	X	HAE 2/16/98											

Turnaround Time Requested (TAT) (please circle):

**MOBIL STD. TAT**    72 hour    48 hour

24 hour    other \_\_\_\_ day

Relinquished by: <u>[Signature]</u>	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Data Package Options (please circle if requested)

QC Summary    GLP    SDG Complete?    Yes    No

Type I (Tier I)    Other

Type III (NJ Red. Del.)    Disk

Type IV (CLP)

Type VI (Raw Data)

WIP

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

Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by: <u>[Signature]</u>	Date: <u>2/16/98</u>	Time: <u>0830</u>

**EXHIBIT 8**

**WASTE DISPOSAL MANIFESTS**

# Monitoring Well Purge Water Transport Form

## Generator Information

Name: Mobil Oil Corporation Attn: Steve Pao  
 Address: 3700 West 190th Street, TPT-2  
 City, State, Zip: Torrance, CA 90509-2929 Phone: (310) 212-1877  
 Description of Water: Monitoring well purge water  
 The generator certifies that this water as described is non-hazardous. Mark Fritz for Mobil: *Mark Fritz* 2/23/98  
(Date)

## Site Information

	Date Generated	Mobil Site No.	Amount Generated	Sampler's Initials		Date Generated	Mobil Site No.	Amount Generated	Sampler's Initials
1	2/3/98	16HTO	70.5	JR	16				
2	2/5/98	04-NTR	17.0	CA	17				
3	2/4/98	04-394	236	JR	18				
4	2/10/98	04-NVH	90	CA	19				
5	2/12/98	04-S6N	90	JM	20				
6	2/10/98-2/11/98	99-PTR	370	JR	21				
7	2-13-98	04-FLY	258	CA	22				
8	2/10/98	16-680	31.5	JR	23				
9	2/20/98	99-CR	56	JR	24				
10	2/20/98	10-680	77	JR	25				
11					26				
12					27				
13					28				
14					29				
15					30				

Total: 1296

## Transporter Information

Name: Clearwater Environmental Management  
 Address: P.O. Box 7420  
 City, State, Zip: Fremont, CA 94555 Phone: (800) 499-3676  
 Truck ID No.: 110-111  
*Steven R. Hunt* *Steven R. Hunt* 2-23-98  
(Date)  
(Typed or printed full name & signature)

## Receiving Facility

Name: McKittrick Waste Treatment Site  
 Address: 56533 Highway 58 West  
 City, State, Zip: McKittrick, CA 93251 Phone: (805) 762-7607

Approval No.: 1296-1367-PS  
(Typed or printed full name & signature) (Date)

39593

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 2. Page 1 of 3. Document Number NH- No 43700

4. Generator's Name and Mailing Address  
Mobil Oil - L Street TPT 2  
3700 W 190th Street  
Torrance, CA 90504-2929  
Generator's Phone 310 - 212 1877

Proof #  
1297-1335R

5. Transporter Company Name  
Clearwater Environmental

7. Transporter Phone  
510-797 8511

8. Designated Facility Name and Site Address  
McKittick Waste Treatment Site  
56533 Hwy 58, West  
McKittick, CA 93251

10. Facility's Phone  
805 762 7362

11. Waste Shipping Name and Description  
a. NON HAZARDOUS WASTE LIQUID  
b.

12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
001	TI	1296	G

15. Special Handling Instructions and Additional Information  
Wear PPE  
Emergency contact  
510-797 8511  
ATTN: Kirk Hayward

Handling Codes for Wastes Listed Above  
11a. 11b.  
Site Attn Geoscience  
308 Linsberg  
Livermore, CA

Printed/Typed Name  
Mark Feitz for Mobil

Signature  
Month Day Year  
2 23 98

Printed/Typed Name  
Steven R. Stone

Signature  
Month Day Year  
02 23 98

18. Discrepancy Indication Space

Printed/Typed Name  
R. Wilkerson

Signature  
Month Day Year  
03 07 98