ALTON GEOSCIENCE
THE RESULTS TEAM

ENVIRONMENTAL PROTECTION

97 APR 22 AM 9:00

April 15, 1997

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

Alton Project 41-0063

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

Dear Mr. Seery:

Please find enclosed the First Quarter 1997 Progress Report for the subject location prepared for Mobil Oil 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 (510) 625-1173, or Tom Seeliger, Alton Geoscience Geologist, at (510) 606-9150.

Sincerely,

ALTON GEOSCIENCE

Tom Seeliger
Geologist

cc: Ms. Cherine Foutch, Mobil Oil Corporation
Mr. Steven Ritchie, California Regional Water Quality Control Board, San Francisco Bay Region
Mr. Bertram Kubo
Mr. Fuk K. Sit and Ms. Ying C. Sit
Mr. Brady Nagle, Alisto Engineering Group

30A Lindbergh Avenue
Livermore, California 94550
(510) 606-9150 • FAX (510) 606-9260

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ALTON GEOSCIENCE

Quarterly Progress Report Summary Sheet
First Quarter 1997

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

LOP Agency: Alameda County Health Care Services Agency

Number of water zones:	**1**	**This Page**	**1**
FIELD ACTIVITY:		Date Sampled:	**10-Feb-97**
Number of ground water wells on-site:	**5**	Ground Water Wells monitored:	**7**
Number of ground water wells off-site:	**2**	Ground Water Wells sampled:	**7**
		Ground Water Wells with Free Product:	**0**
Phase of Investigation: Vadose Zone	**N/A**	Ground Water Phase:	**Monitor & Sample**

SITE HYDROGEOLOGY:

Approximate depth to ground water below ground surface:	**7.70 feet**
Approximate elevation of potentiometric surface above Mean Sea Level:	**29 feet**
Average Increase/Decrease in ground water elevations since last sampling episode:	**3.4 foot increase**
Approximate flow direction and hydraulic gradient:	**South at 0.004 foot/foot**

GROUND WATER CONTAMINATION (BENZENE MCL=1.0 ppb):

Wells containing free product:	**0**	Range in Thickness of Free Product:	**N/A**
Number of wells with concentrations below MCL:	**4**	Volume of Free Product Recovered This Period:	**N/A**
Number of wells with concentrations at or above MCL:	**3**	Volume of Free Product Recovered To Date:	**N/A**
Nature of contamination:	**Gasoline**	Range in Concentrations:	**Benzene:ND to 36 ppb** **TPH-G: ND to 8,300 ppb**

ADDITIONAL INFORMATION:

MW-5A and MW-6A are sampled semi-annually.
Purged water was transported to McKittrick Waste Treatment Facility for disposal.

Prepared by: _____ Chris Callegari, Staff Geologist

Approved by: _____ Matthew W. Katen, RG, Senior Geologist
California RG 5167

Alton Project No: 41-0063

EXHIBIT 1

SAMPLING SCHEDULE

MONITORING WELL SAMPLING SCHEDULE 1997
Former Mobil Station 04-FGN

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

NOTES: 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)
MOBIL wells														
MW-1A	3/31/88	36.35	—	—	29,000	ND	ND	ND	550	640	—	—	ND	—
	1/31/89		—	—	11,200	—	260	ND	500	500	—	—	—	—
	2/24/94		9.42	26.93	11,000	2,500	70	ND	260	180	—	—	ND	—
	8/3/94		12.00	24.35	13,000	7,100	61	50	280	230	—	—	ND	—
	11/23/94		11.18	25.17	12,000	2,500	49	ND	300	190	—	—	10,000	—
	2/28/95		9.08	27.27	10,000	3,200	25	ND	110	67	—	—	8,400	—
	5/10/95		8.33	28.02	10,000	3,600	31	ND	140	81	—	—	7,200	—
	8/2/95	36.63	9.49	27.14	10,000	3,800	24	18	130	80	—	—	—	—
	11/2/95		11.05	25.58	12,000	3400*	ND	ND	190	150	—	—	—	ND
	2/8/96		7.55	29.08	8,000	3,600*	100	21	87	58	—	—	—	—
	5/8/96		7.52	29.11	9,200	—	11	ND	120	64	—	—	—	—
	8/9/96		9.63	27.00	—	—	—	—	—	—	—	—	—	—
	8/20/96		—	—	6,800	—	64	22	100	55	130	ND	—	—
	11/7/96		11.01	25.62	7,900	—	100	12	70	34	95	ND	—	—
	2/10/97		7.58	29.05	5,800	—	36	15	67	29	58	ND	—	—
MW-2A	2/24/94	36.61	9.52	27.09	6,400	4,500	31	ND	58	42	—	—	ND	—
	8/23/94		12.05	24.56	7,500	7,100	42	21	71	53	—	—	ND	—
	11/23/94		11.25	25.36	7,000	1,800	33	11	39	ND	—	—	7,300	—
	2/28/95		9.10	27.51	9,000	1,600	29	36	96	45	—	—	6,900	—
	5/10/95		8.42	28.19	5,100	1,600	20	27	32	35	—	—	3,400	—
	8/2/95	36.62	9.54	27.08	4,300	1,800	36	ND	11	16	—	—	—	—
	11/2/95		11.08	25.54	4,300	3000*	22	ND	10	11	—	—	—	ND
	2/8/96		7.68	28.94	2,900	940*	32	13	13	ND	—	—	—	—
	5/8/96		8.64	27.98	2,500	—	13	12	19	26	—	—	—	—
	8/9/96		9.71	26.91	—	—	—	—	—	—	—	—	—	—
	8/20/96		—	—	2,500	—	19	11	6.8	8.1	36	—	—	—

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)
MW-2A	11/7/96		11.04	25.58	4,700	—	58	7.3	5.3	ND	55	—	—	—
(con't)	2/10/97		7.75	28.87	2,600	—	12	10	35	15	ND	—	—	—
MW-3A	2/24/94	36.92	9.85	27.07	19,000	10,000	52	30	690	290	—	—	ND	—
	8/23/94		12.33	24.59	14,000	11,000	44	24	1,000	100	—	—	ND	—
	11/23/94		11.56	25.36	13,000	2,600	30	18	690	52	—	—	8,500	—
	2/28/95		9.35	27.57	8,500	—	11	ND	340	24	—	—	5,500	—
	5/10/95		8.55	28.37	7,600	3,800	ND	ND	400	45	—	—	3,900	—
	8/2/95	36.93	9.75	27.18	9,200	3,800	17	13	340	34	—	—	—	—
	11/2/95		11.29	25.64	9,200	4400*	31	ND	360	72	—	—	—	ND
	2/8/96		7.97	28.96	6,900	3,800*	38	ND	230	43	—	—	—	—
	5/8/96		8.82	28.11	7,700	—	ND	ND	270	38	—	—	—	—
	8/9/96		9.95	26.98	—	—	—	—	—	—	—	—	—	—
	8/20/96		—	—	5,600	—	8.0	29	180	23	12	—	—	—
	11/7/96		11.28	25.65	8,600	—	47	ND	150	29	ND	—	—	—
	2/10/97		7.95	28.98	8,300	—	28	ND	130	23	ND	—	—	—
MW-4A	8/2/95	37.18	9.63	27.55	ND	ND	ND	ND	ND	ND	—	—	—	—
	11/2/95		11.48	25.70	ND	ND	ND	ND	ND	ND	—	—	—	ND
	2/8/96		8.18	29.00	ND	ND	ND	1.1	ND	0.92	—	—	—	—
	5/8/96		8.49	28.69	ND	—	ND	ND	ND	ND	—	—	—	—
	8/9/96		10.05	27.13	—	—	—	—	—	—	—	—	—	—
	8/20/96		—	—	ND	—	ND	ND	ND	ND	ND	—	—	—
	11/7/96		11.48	25.70	ND	—	ND	ND	ND	0.88	ND	—	—	—
	2/10/97		8.11	29.07	ND	—	ND	2.4	ND	ND	ND	—	—	—
MW-5A	8/2/95	35.91	8.74	27.17	1,300	220	16	0.68	1.3	4.3	—	—	—	—
	11/2/95		10.34	25.57	180	ND	1.9	1.2	ND	ND	—	—	—	ND
	2/8/96		6.67	29.24	160	150	1.9	2.2	ND	0.89	—	—	—	—

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)
MW-5A	5/8/96		7.35	28.56	260	—	2.4	6.7	2.0	9.6	—	—	—	—
(con't)	8/9/96		8.81	27.10	—	—	—	—	—	—	—	—	—	—
	8/20/96		—	—	ND	—	ND	1.8	ND	ND	9.4	—	—	—
	11/7/96		10.25	25.66	—	—	—	—	—	—	—	—	—	—
	2/10/97		6.93	28.98	ND	—	ND	1.2	ND	ND	ND	—	—	—
MW-6A	8/2/95	37.10	9.68	27.42	ND	ND	ND	ND	ND	ND	—	—	—	—
	11/2/95		11.26	25.84	ND	ND	ND	ND	ND	ND	—	—	—	ND
	2/8/96		7.79	29.31	ND	ND	ND	1.3	ND	1.3	—	—	—	—
	5/8/96		8.38	28.72	ND	—	ND	1.6	ND	1.2	—	—	—	—
	8/9/96		9.82	27.28	—	—	—	—	—	—	—	—	—	—
	8/20/96		—	—	ND	—	ND	ND	ND	ND	ND	—	—	—
	11/7/96		11.02	26.08	—	—	—	—	—	—	—	—	—	—
	2/10/97		7.70	29.40	ND	—	ND	3.4	ND	ND	ND	—	—	—
MW-7A	11/2/95	37.39	11.77	25.62	ND	ND	ND	ND	ND	ND	—	—	—	ND
	2/8/96		8.68	28.71	ND	75	ND	1.4	ND	1.5	—	—	—	—
	5/8/96		9.00	28.39	ND	—	2.2	6.3	1.4	7.9	—	—	—	—
	8/9/96		10.31	27.08	—	—	—	—	—	—	—	—	—	—
	8/20/96		—	—	ND	—	ND	ND	ND	ND	ND	—	—	—
	11/7/96		11.81	25.58	ND	—	ND	0.96	ND	1.6	ND	—	—	—
	2/10/97		8.57	28.82	ND	—	ND	2.4	ND	ND	ND	—	—	—
UNOCAL wells														
MW-1	8/23/93	—	—	—	24,000	—	160	110	840	810	—	—	—	—
	11/23/93		—	—	18,000	—	210	63	900	620	—	—	—	—
	2/24/94	36.37	9.45	26.92	18,000	—	74	30	940	480	—	—	—	—
	8/23/94		11.98	24.39	24,000	—	130	57	970	320	—	—	—	—

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)
MW-1	11/23/94		11.17	25.20	—	—	—	—	—	—	—	—	—	—
(con't)	2/3/95		8.01	28.36	—	—	—	—	—	—	—	—	—	—
	5/10/95		8.51	27.86	—	—	—	—	—	—	—	—	—	—
	8/2/95		10.00	26.37	—	—	—	—	—	—	—	—	—	—
	11/2/95		11.11	25.26	—	—	—	—	—	—	—	—	—	—
	2/8/96		7.74	28.63	—	—	—	—	—	—	—	—	—	—
	5/8/96		8.50	27.87	—	—	—	—	—	—	—	—	—	—
	8/8/96		9.72	26.65	—	—	—	—	—	—	—	—	—	—
	11/7/96		10.74	25.63	—	—	—	—	—	—	—	—	—	—
	2/10/97		7.92	28.45	—	—	—	—	—	—	—	—	—	—
MW-2	8/23/93	—	—	—	15,000	—	110	ND	590	64	—	—	—	—
	11/23/93		—	—	11,000	—	80	10	480	20	—	—	—	—
	2/24/94	36.34	9.27	27.07	11,000	—	44	ND	580	32	—	—	—	—
	8/23/94		11.82	24.52	12,000	—	45	10	360	20	—	—	—	—
	11/23/94		10.97	25.37	—	—	—	—	—	—	—	—	—	—
	2/3/95		7.87	28.47	—	—	—	—	—	—	—	—	—	—
	5/10/95		8.38	27.96	—	—	—	—	—	—	—	—	—	—
	8/2/95		9.36	26.98	—	—	—	—	—	—	—	—	—	—
	11/2/95		10.95	25.39	—	—	—	—	—	—	—	—	—	—
	2/8/96		7.52	28.82	—	—	—	—	—	—	—	—	—	—
	5/8/96		8.21	28.13	—	—	—	—	—	—	—	—	—	—
	8/8/96		9.54	26.80	—	—	—	—	—	—	—	—	—	—
	11/7/96		10.69	25.65	—	—	—	—	—	—	—	—	—	—
	2/10/97		7.75	28.59	—	—	—	—	—	—	—	—	—	—

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)
MW-3	8/23/93	—	—	—	—	—	—	—	—	—	—	—	—	—
	11/23/93		—	—	2,900	—	25	ND	50	18	—	—	—	—
	2/24/94	36.42	9.21	27.21	2,300	—	34	ND	24	5.6	—	—	—	—
	8/23/94		11.88	24.54	3,400	—	46	ND	53	11	—	—	—	—
	11/23/94		10.98	25.44	2,900	—	37	49	14	2.9	—	—	—	—
	2/3/95		7.89	28.53	—	—	—	—	—	—	—	—	—	—
	5/10/95		8.38	28.04	—	—	—	—	—	—	—	—	—	—
	8/2/95		9.49	26.93	—	—	—	—	—	—	—	—	—	—
	11/2/95		11.00	25.42	—	—	—	—	—	—	—	—	—	—
	2/8/96		7.41	29.01	—	—	—	—	—	—	—	—	—	—
	5/8/96		8.20	28.22	—	—	—	—	—	—	—	—	—	—
	8/8/96		9.53	26.89	—	—	—	—	—	—	—	—	—	—
	11/7/96		10.96	25.46	—	—	—	—	—	—	—	—	—	—
	2/10/97		7.71	28.71	—	—	—	—	—	—	—	—	—	—
MW-4	8/23/93	—	—	—	1,200	—	5	ND	16	ND	—	—	—	—
	11/23/93		—	—	720	—	10	ND	8.7	ND	—	—	—	—
	2/24/94	37.04	9.89	27.15	1,300	—	8.9	ND	20	ND	—	—	—	—
	8/23/94		12.57	24.47	690	—	9.2	1.3	7.1	1.9	—	—	—	—
	11/23/94		11.65	25.39	—	—	—	—	—	—	—	—	—	—
	2/3/95		8.52	28.52	—	—	—	—	—	—	—	—	—	—
	5/10/95		9.97	27.07	—	—	—	—	—	—	—	—	—	—
	8/2/95		10.18	26.86	—	—	—	—	—	—	—	—	—	—
	11/2/95		11.67	25.37	—	—	—	—	—	—	—	—	—	—
	2/8/96		8.15	28.89	—	—	—	—	—	—	—	—	—	—
	8/8/96		10.24	26.80	—	—	—	—	—	—	—	—	—	—
	11/7/96		11.58	25.46	—	—	—	—	—	—	—	—	—	—
	2/10/97		8.45	28.59	—	—	—	—	—	—	—	—	—	—

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)
MW-5	8/23/93	—	—	—	61,000	—	340	380	3,600	14,000	—	—	—	—
	11/23/93		—	—	46,000	—	290	310	4,100	15,000	—	—	—	—
	2/24/94	35.94	9.02	26.92	57,000	—	140	400	4,400	16,000	—	—	—	—
	8/23/94		11.57	24.37	61,000	—	360	380	4,800	17,000	—	—	—	—
	11/23/94		10.71	25.23	—	—	—	—	—	—	—	—	—	—
	2/3/95		7.69	28.25	—	—	—	—	—	—	—	—	—	—
	5/10/95		8.2	27.74	—	—	—	—	—	—	—	—	—	—
	8/2/95		9.23	26.71	—	—	—	—	—	—	—	—	—	—
	11/2/95		10.70	25.24	—	—	—	—	—	—	—	—	—	—
	2/8/96		7.36	28.58	—	—	—	—	—	—	—	—	—	—
	5/8/96		8.25	27.69	—	—	—	—	—	—	—	—	—	—
	8/8/96		9.37	26.57	—	—	—	—	—	—	—	—	—	—
	11/7/96		10.65	25.29	—	—	—	—	—	—	—	—	—	—
	2/10/97		7.63	28.31	—	—	—	—	—	—	—	—	—	—
MW-6	8/23/93	—	—	—	1,000	—	9.4	2.3	5	2.3	—	—	—	—
	11/23/93		—	—	520	—	ND	1.7	1.9	0.82	—	—	—	—
	2/24/94	35.67	8.39	27.28	810	—	12	ND	2.6	0.77	—	—	—	—
	8/23/94		10.97	24.70	570	—	6.8	2.5	3.2	2.6	—	—	—	—
	11/23/94		10.21	25.46	—	—	—	—	—	—	—	—	—	—
	2/3/95		6.99	28.68	—	—	—	—	—	—	—	—	—	—
	5/10/95		7.53	28.14	—	—	—	—	—	—	—	—	—	—
	8/2/95		8.68	26.99	—	—	—	—	—	—	—	—	—	—
	11/2/95		10.20	25.47	—	—	—	—	—	—	—	—	—	—
	2/8/96		6.66	29.01	—	—	—	—	—	—	—	—	—	—
	5/8/96		7.40	28.27	—	—	—	—	—	—	—	—	—	—
	8/8/96		8.72	26.95	—	—	—	—	—	—	—	—	—	—

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)
MW-6	11/7/96		10.12	25.55	—	—	—	—	—	—	—	—	—	—
(con't)	2/10/97		6.88	28.79	—	—	—	—	—	—	—	—	—	—
MW-7	8/23/93	—	—	—	33,000	—	360	ND	2,500	4,300	—	—	—	—
	11/23/93		—	—	19,000	—	310	30	2,500	2,300	—	—	—	—
	2/24/94	36.09	8.95	27.14	16,000	—	220	19	2,400	3,200	—	—	—	—
	8/23/94		11.43	24.66	19,000	—	210	50	2,000	2,800	—	—	—	—
	11/23/94		10.69	25.40	—	—	—	—	—	—	—	—	—	—
	2/3/95		7.49	28.60	—	—	—	—	—	—	—	—	—	—
	5/10/95		7.88	28.21	—	—	—	—	—	—	—	—	—	—
	8/2/95		9.02	27.07	—	—	—	—	—	—	—	—	—	—
	11/2/95		10.55	25.54	—	—	—	—	—	—	—	—	—	—
	2/8/96		7.13	28.96	—	—	—	—	—	—	—	—	—	—
	5/8/96		7.11	28.98	—	—	—	—	—	—	—	—	—	—
	8/8/96		9.07	27.02	—	—	—	—	—	—	—	—	—	—
	11/7/96		10.76	25.33	—	—	—	—	—	—	—	—	—	—
	2/10/97		7.22	28.87	—	—	—	—	—	—	—	—	—	—
MW-8	8/23/93	—	—	—	280	—	49	4.5	ND	ND	—	—	—	—
	11/23/93		—	—	1,800	—	ND	3.4	ND	ND	—	—	—	—
	2/24/94	36.89	10.44	26.45	1,200	—	10	2.3	ND	3.2	—	—	—	—
	8/23/94		12.61	24.28	3,200	—	45	18	2	7.2	—	—	—	—
	11/23/94		11.98	24.91	—	—	—	—	—	—	—	—	—	—
	2/3/95		9.16	27.73	—	—	—	—	—	—	—	—	—	—
	5/10/95		9.35	27.54	—	—	—	—	—	—	—	—	—	—
	8/2/95		10.40	26.49	—	—	—	—	—	—	—	—	—	—
	11/2/95		11.80	25.09	—	—	—	—	—	—	—	—	—	—
	2/8/96		8.98	27.91	—	—	—	—	—	—	—	—	—	—

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-FGN

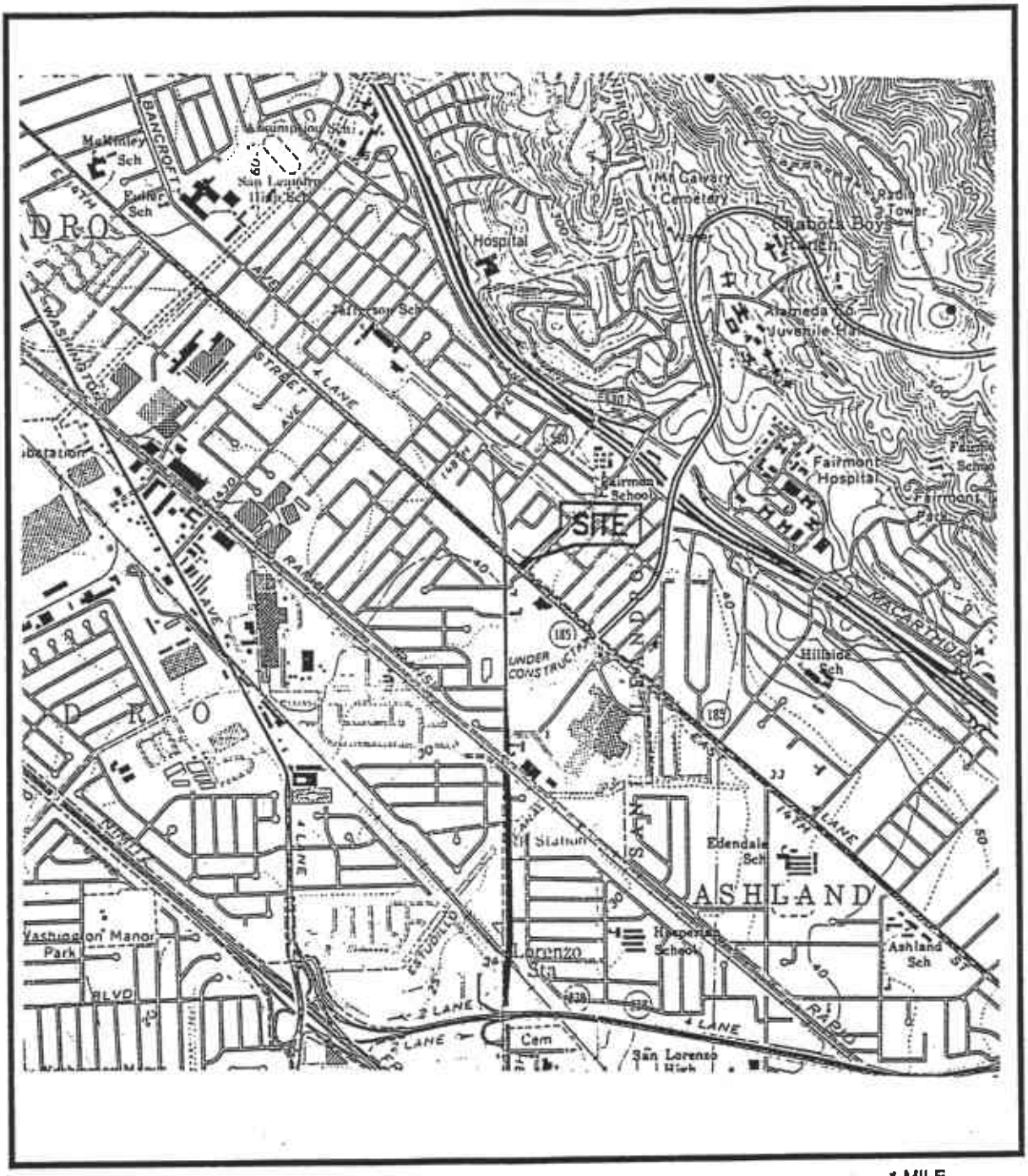
Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8240 or 8260 (ppb)	TOG (ppb)	TRPO (ppm)
MW-8	5/8/96		9.46	27.43	—	—	—	—	—	—	—	—	—	—
(con't)	8/8/96		10.47	26.42	—	—	—	—	—	—	—	—	—	—
	11/7/96		11.71	25.18	—	—	—	—	—	—	—	—	—	—
	2/10/97		8.84	28.05	—	—	—	—	—	—	—	—	—	—
MW-9	8/23/93	—	—	—	3,000	—	29	ND	ND	ND	—	—	—	—
	11/23/93		—	—	2,500	—	23	2.1	ND	ND	—	—	—	—
	2/24/94	36.29	9.74	26.55	2,900	—	35	ND	ND	ND	—	—	—	—
	8/23/94		11.99	24.30	2,800	—	28	32	ND	ND	—	—	—	—
	11/23/94		11.31	24.98	—	—	—	—	—	—	—	—	—	—
	2/3/95		8.45	27.84	—	—	—	—	—	—	—	—	—	—
	8/2/95		7.95	28.34	—	—	—	—	—	—	—	—	—	—
	11/2/95		11.16	25.13	—	—	—	—	—	—	—	—	—	—
	2/8/96		8.15	28.14	—	—	—	—	—	—	—	—	—	—
	5/8/96		8.75	27.54	—	—	—	—	—	—	—	—	—	—
	8/8/96		9.84	26.45	—	—	—	—	—	—	—	—	—	—
	11/7/96		11.10	25.19	—	—	—	—	—	—	—	—	—	—
	2/10/97		8.15	28.14	—	—	—	—	—	—	—	—	—	—
MW-10	8/23/93	—	—	—	20,000	—	230	13	3,200	140	—	—	—	—
	11/23/93		—	—	18,000	—	300	10	2,800	110	—	—	—	—
	2/24/94	36.04	9.57	26.47	15,000	—	330	19	2,000	83	—	—	—	—
	8/23/94		11.81	24.23	16,000	—	250	41	1,800	74	—	—	—	—
	11/23/94		11.10	24.94	—	—	—	—	—	—	—	—	—	—
	2/3/95		8.32	27.72	—	—	—	—	—	—	—	—	—	—
	8/2/95		9.55	26.49	—	—	—	—	—	—	—	—	—	—
	11/2/95		11.03	25.01	—	—	—	—	—	—	—	—	—	—
	2/8/96		8.05	27.99	—	—	—	—	—	—	—	—	—	—

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)
MW-10	5/8/96		8.70	27.34	—	—	—	—	—	—	—	—	—	—
(con't)	8/8/96		9.76	26.28	—	—	—	—	—	—	—	—	—	—
	11/7/96		10.92	25.12	—	—	—	—	—	—	—	—	—	—
	2/10/97		8.10	27.94	—	—	—	—	—	—	—	—	—	—
MW-11	8/23/93	—	—	—	5,400	—	68	ND	230	43	—	—	—	—
	11/23/93		—	—	3,400	—	105	ND	120	43	—	—	—	—
	2/24/94	35.50	9.20	26.30	4,600	—	170	ND	140	36	—	—	—	—
	8/23/94		11.39	24.11	7,300	—	250	13	150	42	—	—	—	—
	11/23/94		10.67	24.83	—	—	—	—	—	—	—	—	—	—
	2/3/95		8.02	27.48	—	—	—	—	—	—	—	—	—	—
	8/2/95		9.31	26.19	—	—	—	—	—	—	—	—	—	—
	11/2/95		10.85	24.65	—	—	—	—	—	—	—	—	—	—
	2/8/96		7.76	27.74	—	—	—	—	—	—	—	—	—	—
	5/8/96		8.50	27.00	—	—	—	—	—	—	—	—	—	—
	8/8/96		9.46	26.04	—	—	—	—	—	—	—	—	—	—
	11/7/96		10.58	24.92	—	—	—	—	—	—	—	—	—	—
	2/10/97		7.88	27.62		—	—	—	—	—	—	—	—	—

NOTES:
- ppb = parts per billion
- ppm = parts per million
- TPH-G = total petroleum hydrocarbons as gasoline
- TPH-D = total petroleum hydrocarbons as diesel
- * = Unidentified hydrocarbons <C10
- 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
- # = well inaccessible



SCALE 1:24,000

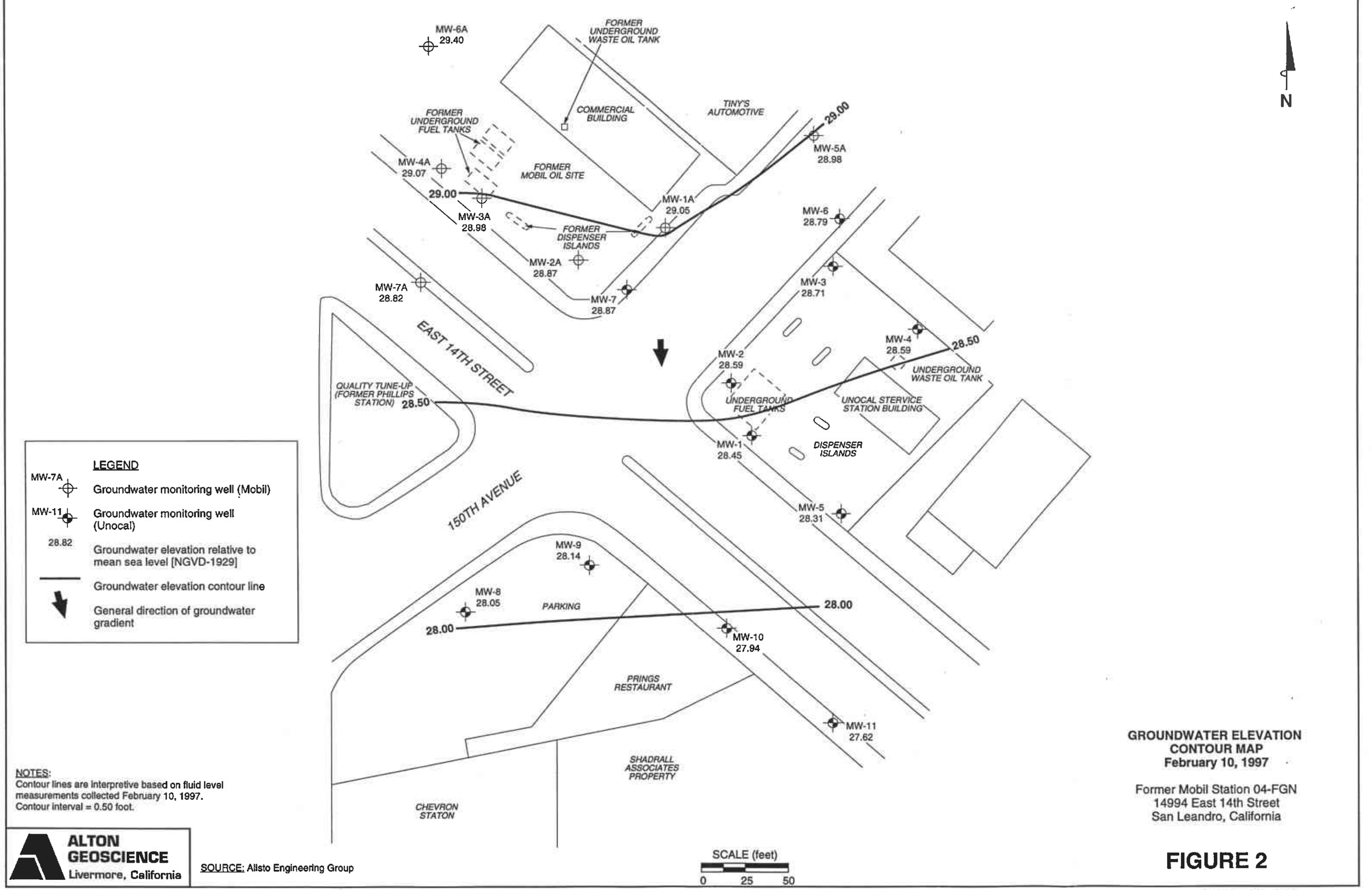
Source: U.S.G.S. Map
Hayward & San Leandro
Quadrangles
California
7.5 Minute Series

VICINITY MAP

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

ALTON GEOSCIENCE
Livermore, California

FIGURE 1



NOTES:
Contour lines are interpretive based on fluid level measurements collected February 10, 1997.
Contour interval = 0.50 foot.

ALTON GEOSCIENCE
Livermore, California

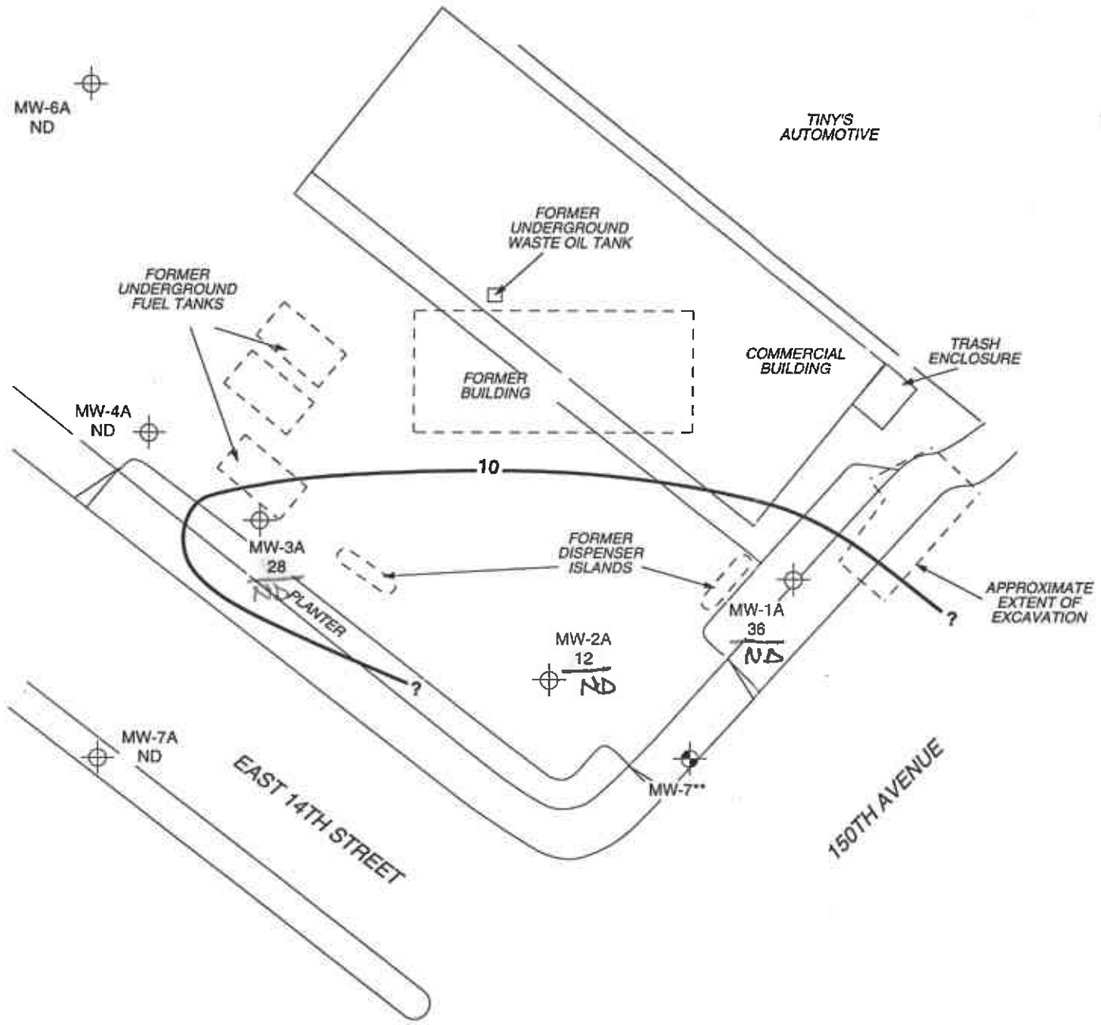
SOURCE: Allsto Engineering Group

GROUNDWATER ELEVATION CONTOUR MAP
February 10, 1997

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

FIGURE 2

04-FGN/Area Site 3/19/97



NOTES:
Results are based on analysis of groundwater samples collected February 10, 1997. ND = not detected at or above method detection limit; ppb = parts per billion.
** = data not provided for Unocal wells.

SCALE (feet)
0 15 30

SOURCE: Alisto Engineering Group

ALTON GEOSCIENCE
Livermore, California

DISSOLVED-PHASE BENZENE CONCENTRATIONS
February 10, 1997

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

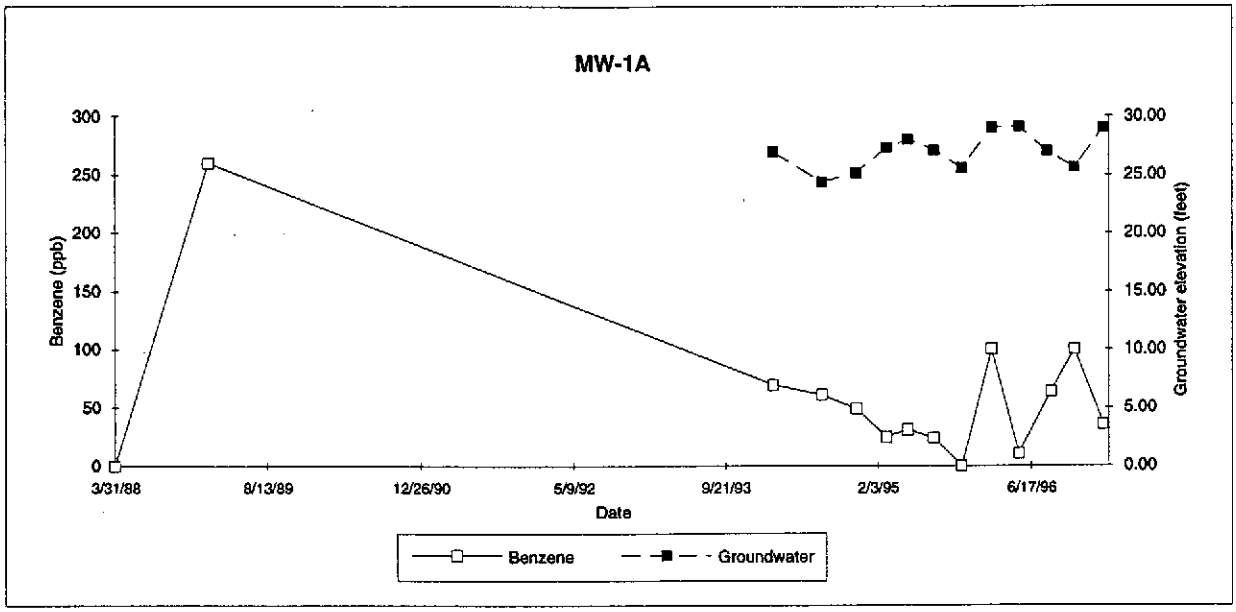
FIGURE 3

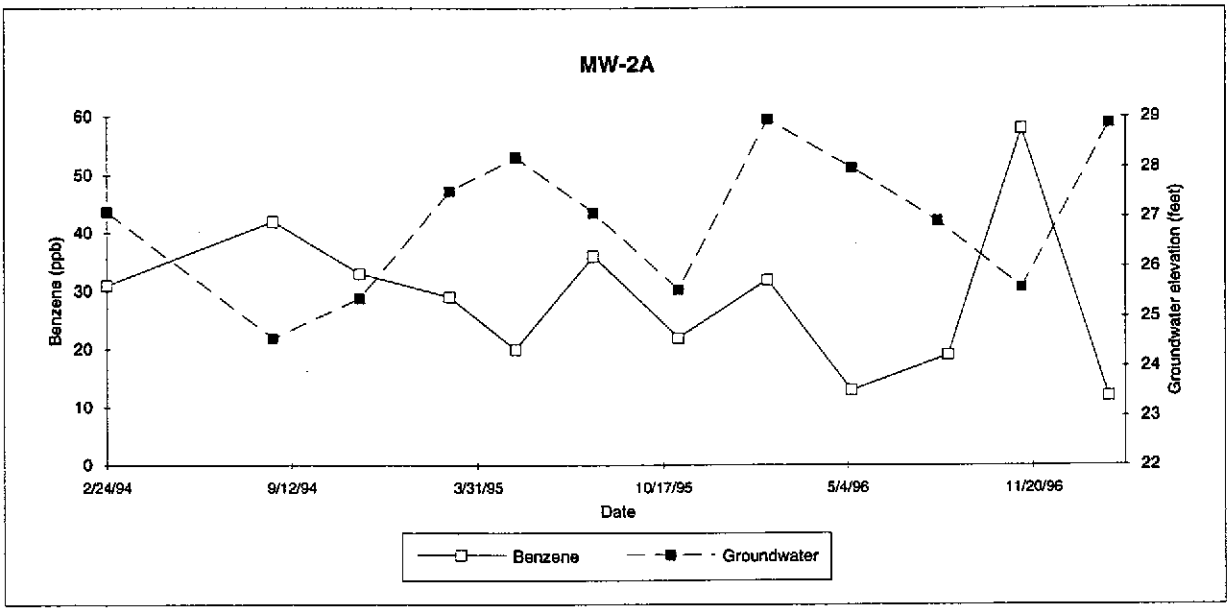
04-FGN/Site plan 11x17 3/19/97

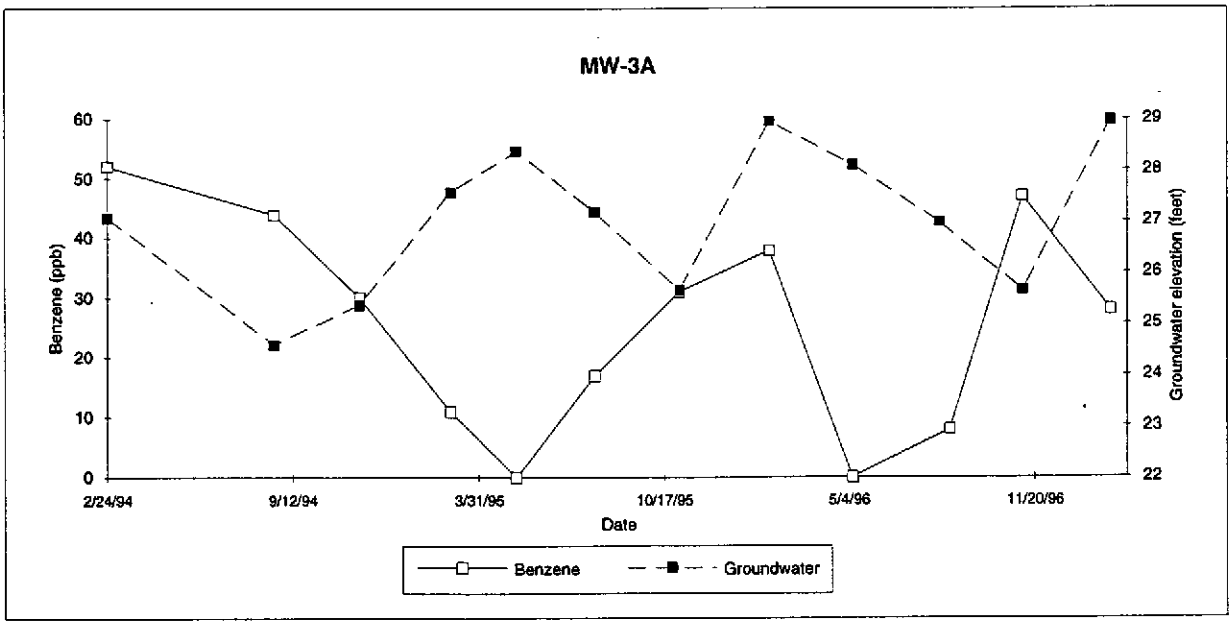
EXHIBIT 4

BENZENE VERSUS GROUNDWATER ELEVATION GRAPHS

Benzene vs. Groundwater Elevation Graphs







Note: ND values are plotted as zero

EXHIBIT 5

WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL

WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL

FLUID-LEVEL MONITORING

Fluid-levels are monitored in the wells using an electronic interface probe with conductance sensors. The presence of liquid-phase hydrocarbons is verified using a hydrocarbon-reactive paste. The depth to liquid-phase hydrocarbons and water is measured 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

Groundwater monitoring wells 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
THE RESULTS TEAM

FLUID MEASUREMENT FIELD FORM

Project No.: 41-0063
Station No.: 04-FON

Alton Personnel: JM
Date: 2-10-97

Well Number	Well Elevation	Depth to Water	Depth to Product	Free Product Thickness (ft)	Free Product Recovery	Total Depth	Comments
MW-6A	37.10	7.70				24.03	
MW-5A	35.91	6.93				24.27	
MW-7A	37.39	8.57				24.61	
MW-4A	37.18	8.11				23.47	
MW-3A	36.93	7.95				22.45	
MW-2A	36.62	7.75				24.41	
MW-1A	36.83	7.58				18.60	

Alton Geoscience, Northern California Operations

GROUND WATER SAMPLING FIELD NOTES

Site: 04-FGN Project No.: 41-0063 Sampled By: JM Date: 2-10-97

Well No. MW-6A
Total Depth (feet) 24.03
Depth to Water (feet): 7.70
Water Column (feet): 16.33
80% Recharge Depth (feet): 10.97
Purge Method: Sub
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 4
1 Well Volume (gallons): 10.77

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
930			10	.65	70.4	7.41
			20	.71	68.2	7.32
	940	7.78	30	.78	69.3	7.14
	Total Purged	33	Time Sampled	1000		

32.3

Comments:
Turbidity =

Well No. MW-5A
Total Depth (feet) 24.27
Depth to Water (feet): 6.93
Water Column (feet): 17.34
80% Recharge Depth (feet): 10.40
Purge Method: Sub
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 4
1 Well Volume (gallons): 11.4

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1005			10	1.00	69.3	7.36
			20	.98	66.6	7.24
	1015	8.91	30	.95	65.2	7.17
	Total Purged	3	Time Sampled	1030		

34

Comments:
Turbidity =

Well No. MW-7A
Total Depth (feet) 24.61
Depth to Water (feet): 8.57
Water Column (feet): 16.04
80% Recharge Depth (feet): 11.78
Purge Method: Sub
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 4
1 Well Volume (gallons): 10.58

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1035			10	.86	67.9	7.46
			20	.81	69.2	7.31
	1045	8.41	30	.89	69.2	7.25
	Total Purged	32	Time Sampled	1100		

31.75

Comments:
Turbidity =

Well No. MW-4A
Total Depth (feet) 23.47
Depth to Water (feet): 8.11
Water Column (feet): 15.36
80% Recharge Depth (feet): 11.18
Purge Method: Sub
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 4
1 Well Volume (gallons): 7.3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1105			5	.82	68.4	7.46
			16	.68	67.6	7.28
	1115	8.61	22	.75	66.3	7.11
	Total Purged	22	Time Sampled	1125		

Comments:
Turbidity =

Well No. MW-3A
Total Depth (feet) 22.45
Depth to Water (feet): 7.95
Water Column (feet): 14.50
80% Recharge Depth (feet): 10.85
Purge Method: Sub
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 2
1 Well Volume (gallons): 2.46

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1130			2	1.00	69.4	7.51
			6	.96	68.2	8.02
	1140	8.28	8	.92	66.7	8.91
	Total Purged	8	Time Sampled	1200		

7.39

Comments:

Well No. MW-2A
Total Depth (feet) 24.41
Depth to Water (feet): 7.75
Water Column (feet): 16.66
80% Recharge Depth (feet): 11.07
Purge Method: Sub
Depth to Product (feet): 0
Product Recovered (gallons):
Casing Diameter (inches):
1 Well Volume (gallons): 2.8

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1155			3	.96	68.2	8.10
			6	.99	67.4	8.00
	1205	9.00	9	.69	66.2	7.52
	Total Purged	9	Time Sampled	1220		

Comments:
Turbidity =

Alton Geoscience, Northern California Operations

GROUND WATER SAMPLING FIELD NOTES

Site: 04-FGN Project No.: 41-0063 Sampled By: JM Date: 2-10-97

Well No. MW-1A
Total Depth (feet) 14.60
Depth to Water (feet): 7.58
Water Column (feet): 11.02
80% Recharge Depth (feet): 9.8

Purge Method: Sub
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (Inches): 2
1 Well Volume (gallons): 1.87
5.6

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1215			2	.67	68.2	7.49
			4	.65	69.7	7.40
	1225	7.57	6	.64	69.0	7.28
	Total Purged		6	Time Sampled		1230

Comments:

Turbidity =

Well No.
Total Depth (feet)
Depth to Water (feet):
Water Column (feet):
80% Recharge Depth (feet):

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

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

Comments:

Turbidity =

Well No.
Total Depth (feet)
Depth to Water (feet):
Water Column (feet):
80% Recharge Depth (feet):

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

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

Comments:

Turbidity =

Well No.
Total Depth (feet)
Depth to Water (feet):
Water Column (feet):
80% Recharge Depth (feet):

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

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

Comments:

Turbidity =

Well No.
Total Depth (feet)
Depth to Water (feet):
Water Column (feet):
80% Recharge Depth (feet):

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

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

Comments:

Turbidity =

Well No.
Total Depth (feet)
Depth to Water (feet):
Water Column (feet):
80% Recharge Depth (feet):

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

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

Comments:

Turbidity =

Unocal 3292
15008 E. 14th St. San Leandro, CA
Page 1 of 1

Today's Date : February 28, 1997

Table 1
Summary of Monitoring Data

Well #	Depth to Water (feet)♦	Total Well Depth (feet)♦	Product Thickness (feet)
(Monitored on February 10, 1997)			
MW1	7.92	18.98	0
MW2	7.75	19.11	0
MW3	7.71	22.16	0
MW4	8.45	19.65	0
MW5	7.63	22.12	0
MW6	6.88	20.13	0
MW7	7.22	21.20	0
MW8	8.84	19.06	0
MW9	8.15	19.07	0
MW10	8.10	19.88	0
MW11	7.88	18.97	0
MW2‡	8.63	20.00	0
MW3‡	8.16	20.20	0

♦ The depth to water level and total well depth measurements were taken from the top of the well casings.

‡ Wells located on Shadrall Property.

NOTE: The elevations of the top of the well casings are relative to Mean Sea Level (MSL), per a Benchmark located at the northwest corner of East 14th Street and 150th Avenue (elevation = 36.88 feet MSL).

EXHIBIT 7

ANALYTICAL LABORATORY DATA SHEETS

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Alton Geoscience	Client Project ID:	Mobil #04-FGN	Sampled: Feb 10, 1997
30-A Lindbergh Ave.	Sample Matrix:	Water	Received: Feb 12, 1997
Livermore, CA 94550	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Feb 25, 1997
Attention: Tom Seeliger	First Sample #:	702-0556	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 702-0556 MW-6A	Sample I.D. 702-0557 MW-5A	Sample I.D. 702-0558 MW-7A	Sample I.D. 702-0559 MW-4A	Sample I.D. 702-0560 MW-3A	Sample I.D. 702-0561 MW-2A
QC Batch Number:		GC021297 802002A	GC021297 802002A	GC021297 802002A	GC021297 802002A	GC021297 802002A	GC021297 802002A
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.	N.D.	8,300	2,600
Benzene	0.50	N.D.	N.D.	N.D.	N.D.	28	12
Toluene	0.50	3.4	1.2	2.4	2.4	N.D.	10
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	N.D.	130	35
Total Xylenes	0.50	N.D.	N.D.	N.D.	N.D.	23	15
MTBE:	0.60	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	--	--	Gasoline	Gasoline
Quality Control Data							
Report Limit Multiplication Factor:		1.0	1.0	1.0	1.0	20	10
Date Analyzed:		2/12/97	2/12/97	2/12/97	2/12/97	2/12/97	2/12/97
Instrument Identification:		HP-2	HP-2	HP-2	HP-2	HP-2	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)		80	82	83	83	126	101

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Jim Bava
Project Manager

RECEIVED
FEB 27 1997

7020556.ALT <1>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Alton Geoscience	Client Project ID:	Mobil #04-FGN	Sampled: Feb 10, 1997
30-A Lindbergh Ave.	Sample Matrix:	Water	Received: Feb 12, 1997
Livermore, CA 94550	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Feb 25, 1997
Attention: Tom Seeliger	First Sample #:	702-0562	

QC Batch Number: GC021297
802002A

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 702-0562 MW-1A
Purgeable Hydrocarbons	50	5,800
Benzene	0.50	36
Toluene	0.50	15
Ethyl Benzene	0.50	67
Total Xylenes	0.50	29
MTBE:	0.60	58
Chromatogram Pattern:		Gasoline

Quality Control Data

Report Limit Multiplication Factor:	20
Date Analyzed:	2/12/97
Instrument Identification:	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	119

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Jim Baya
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Alton Geoscience	Client Project ID:	Mobil #04-FGN	Sampled: Feb 10, 1997
30-A Lindbergh Ave.	Sample Descript:	Water, MW-1A	Received: Feb 12, 1997
Livermore, CA 94550	Analysis Method:	EPA 8260	Analyzed: Feb 20, 1997
Attention: Tom Seeliger	Lab Number:	702-0562	Reported: Feb 25, 1997

QC Batch Number: MS021897MTBEH6A

Instrument ID: H-6

VOLATILE ORGANICS by GC/MS

Analyte	Detection Limit µg/L	Sample Results µg/L
MTBE	2.0	N.D.

SEQUOIA ANALYTICAL, #1210

Jim Bava
Project Manager

Sequoia Analytical

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404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tom Seeliger

Client Project ID: Mobil #04-FGN
Matrix: Liquid

QC Sample Group: 7020556-562

Reported: Feb 25, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE
QC Batch#:	GC021297 802002A	GC021297 802002A	GC021297 802002A	GC021297 802002A	MS021897 MTBEH6A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8260
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	-
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill	L. Duong
MS/MSD #:	7020544	7020544	7020544	7020544	970261901
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	6.4 µg/L
Prepared Date:	2/12/97	2/12/97	2/12/97	2/12/97	2/18/97
Analyzed Date:	2/12/97	2/12/97	2/12/97	2/12/97	2/18/97
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	H-6
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	50 µg/L
Result:	17	20	18	54	58
MS % Recovery:	85	100	90	90	100
Dup. Result:	17	20	18	55	62
MSD % Recov.:	85	100	90	92	110
RPD:	0.0	0.0	0.0	1.8	7.5
RPD Limit:	0-25	0-25	0-25	0-25	0-25

LCS #:	2LCS021297	2LCS021297	2LCS021297	2LCS021297	VMB0220S
Prepared Date:	2/12/97	2/12/97	2/12/97	2/12/97	2/18/97
Analyzed Date:	2/12/97	2/12/97	2/12/97	2/12/97	2/18/97
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	H-6
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	50 µg/L
LCS Result:	15	18	16	49	46
LCS % Recov.:	75	90	80	82	92
MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130	60-140

SEQUOIA ANALYTICAL, #1271 & #1210

Jim Bava
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

☐ 680 Chesapeake Drive • Redwood City, CA 94063 • (415) 364-9600 FAX (415) 364-9233
☐ 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
☐ 1900 Bates Ave., Suite LM • Concord, CA 94520 • (510) 686-9600 FAX (510) 686-9689

Mobil Oil Consulting Firm: Alton Geoscience
Address: 30 A Lindbergh Ave
City: Livermore State: CA Zip: 94550
Tel: (510) 606-7150 Fax.: (510) 606-9260

Station No./Site Address: 04-FGN
Project Contact: Tom Seeliger
Mobil Oil Engineer: Cherine Fowler
Sampler(s) (signature):

Sample I.D.	Matrix	Date Sampled	Time	Preservation	Number of Containers	Type of Containers	BTEX - EPA 602/8020	BTEX -TPH EPA M602/8015/8020 (GAS)	TPH EPA Modified 8015 ☐ Gas ☐ Diesel	Oil & Grease - EPA 413.2	TPH - EPA 418.1	EPA 601/8010	EPA 624/8240	EPA 625/8270	Title 22 Metals EPA 6010/7000 ☐ TTLC ☐ STLC	Lead Org./DHS ☐ Lead Total	EDB/DBCD - EPA 504	pH	Bioassay - Title 22 Haz. Waste	Bioassay - Effluent	MTBE*	
MW-6A	H_2O	2-10	1030	HCl	3	VOA		X	7020556				A-C								X	
MW-5A			1030		3			X	7020557												X	
MW-7A			1100		3			X	7020558												X	
MW-4A			1125		3			X	7020559												X	
MW-3A			1150		3			X	7020560												X	
MW-2A			1210		3			X	7020561												X	
MW-1A	↓	↓	1230	↓	3	↓		X	7020562				↓								X	

CODING (check one)

- Code 1 ☐ Emergency Response
- Code 2 ☐ Site Assessment
- Code 3 ☐ Remediation (Plan Devlpmt.)
- Code 4 ☐ Active Remed. (Install./Start-up)
- Code 5 ☐ Active Remed. (O & M)
- Code 6 ☒ Passive Remed/ Monitoring
- Code 7 ☐ Closure
- Code 8 ☐ Construction
- Code 9 ☐ Litigation/Claims Fines

Relinquished by: Date/Time:
Relinquished by: Date/Time: 2/12/97 1330
Relinquished by: Date/Time:

Relinquished by: Date/Time: 2/12/97 1245
Relinquished by: Date/Time:
Relinquished by Lab by: Date/Time: 2/12/97 1335

Turnaround Time: (check one):
Normal ____ Same day ____
1 day ____ 2 day ____
5 day X

Sample Integrity:
Intact ____ On Ice ____

Remarks: * Run Highest MTBE for 8260 Confirmation.

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 2/13/97 (Date)

Site Information

	Date Generated	Mobil Site No.	Amount Generated	Sampler's Initials
1	2-6-97	04-GPE	250	CC
2	2-3-97	99-HPE	200	JM
3	2-4-97	04-NNH	150	JM
4	2-10-97	04-FGN	120	JM
5	2-10-97	10-L66	300	CC
6	1-31-97	99-105	100	JM
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Date Generated	Mobil Site No.	Amount Generated	Sampler's Initials
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Total: 1120 gals

Transporter Information

Name: Clearwater Environmental Management

Address: P.O. Box 7420

City, State, Zip: Fremont, CA 94555 Phone: (800) 499-3676

Truck ID No.: 10-111

STEVEN R STONE Steven R Stone 2/14/97

(Typed or printed full name & signature) (Date)

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

Connie Williams Connie Williams 2-17-97

(Typed or printed full name & signature) (Date)

0 30014

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number NH- № 43192

4. Generator's Name and Mailing Address
Mobil Oil
3700 W. 190th St TPTZ
Torrance, CA 90509-2929
Generator's Phone 310-212-1877

Profile # 1296-1367 PS

5. Transporter Company Name
Clearwater Env. Mgt

6. US EPA ID Number
CAR000007013

7. Transporter Phone
510-797 8511

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

9. US EPA ID Number
CAD980636831

10. Facility's Phone
805 762 7366

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	001	TT	1120	G
b.				

15. Special Handling Instructions and Additional Information
Wear Protective Gear
Emergency contact
510-797-8511

Site ALTON GEOSCIENCE
30A Lindberg
Livermore, CA

Handling Codes for Wastes Listed Above

11a.	11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Jacob Madden
Signature:
Month 2 Day 14 Year 97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Steven R. Stone
Signature: Steven R. Stone
Month 02 Day 14 Year 97

18. Discrepancy Indication Space

MAR 17 1997

Location 5.10 Ph 7

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name: Connie Williams
Signature: Connie Williams
Month 2 Day 17 Year 97

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY