



Texaco Refining
and Marketing Inc

108 Cutting Boulevard
Richmond CA 94801

ENVIRONMENTAL
PROTECTION
97 MAR 14 PM 3:44

March 12, 1997

ENV - STUDIES, SURVEYS, & REPORTS
930 Springtown Blvd., Livermore, California
Quarterly Monitoring Report

Ms. Eva Chu
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Fl. 2
Alameda, CA 94502-6577

Dear Ms. Chu:

This letter presents the results of groundwater monitoring and sampling conducted by Blaine Tech Services, Inc. on November 11, 1996, at the site referenced above (see Plate 1, Site Vicinity Map). Based on groundwater level measurements, the areal hydraulic gradient was estimated to be northwest (see Plate 2, Groundwater Gradient Map) at .002 ft. per ft. TPHg and benzene concentrations are shown on Plate 3. Tables 1 and 2 list historical groundwater monitoring data and analytical results, respectively. As requested by Alameda County Department of Environmental Health, monitoring wells MW-2, MW-4, MW-6, and MW-8 are sampled semi-annually in February and August; monitoring wells MW-1, MW-3, MW-5, MW-A, and MW-B are sampled quarterly; and monitoring wells MW-A, MW-B, and MW-1 through MW-8 are gauged quarterly.

The certified analytical report, chain-of-custody, field data sheets, bill of lading, and quarterly summary report are in the Appendix. Texaco's Standard Operating Procedures may be found in the fourth quarter, 1994 monitoring report.

If you have any questions or comments regarding this site, please call the Texaco Project Coordinator, Ms. Karen Petryna at (510) 236-9139.

Best Regards,

Rebecca Digerness
Environmental Assistant

Karen E. Petryna, P. E.
Civil Engineer
Texaco Refining and Marketing, Inc.



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Enclosure

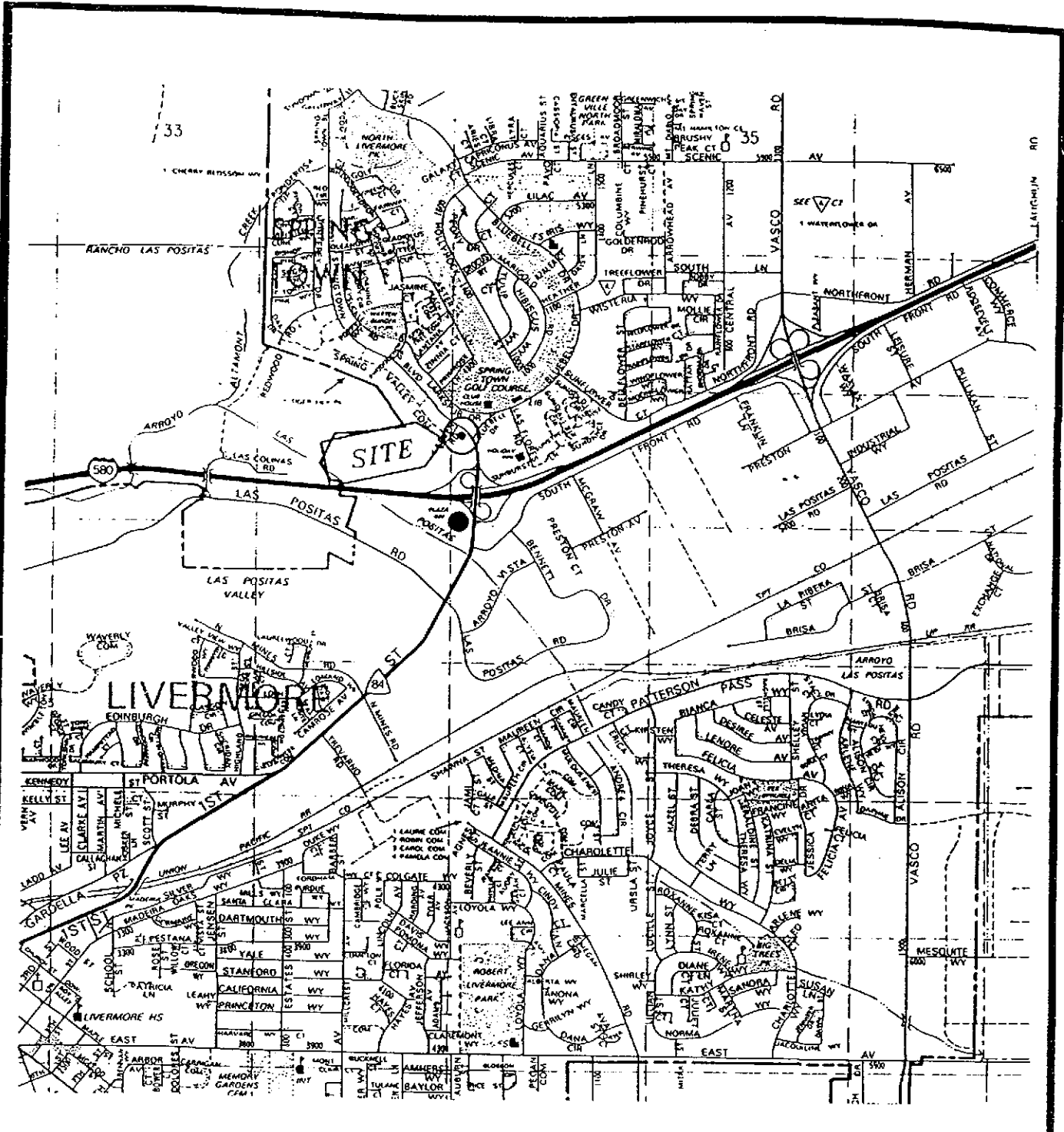
cc: Mr. Timothy Ross
Kaprealian Engineering, Inc.
2401 Stanwell Dr., Suite 400
Concord, CA 94520

Mr. Bob DeNinno
The Southland Corporation
19033 West Valley Hwy., D-104
Kent, WA 98032

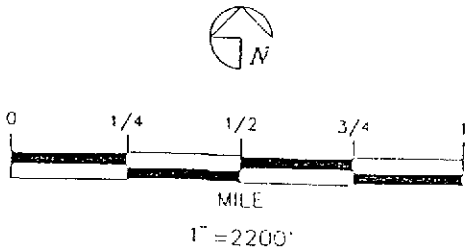
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GROUNDWATER MONITORING AND SAMPLING
Fourth Quarter, 1996
at the
Former Texaco Service Station
930 Springtown Boulevard
Livermore, California

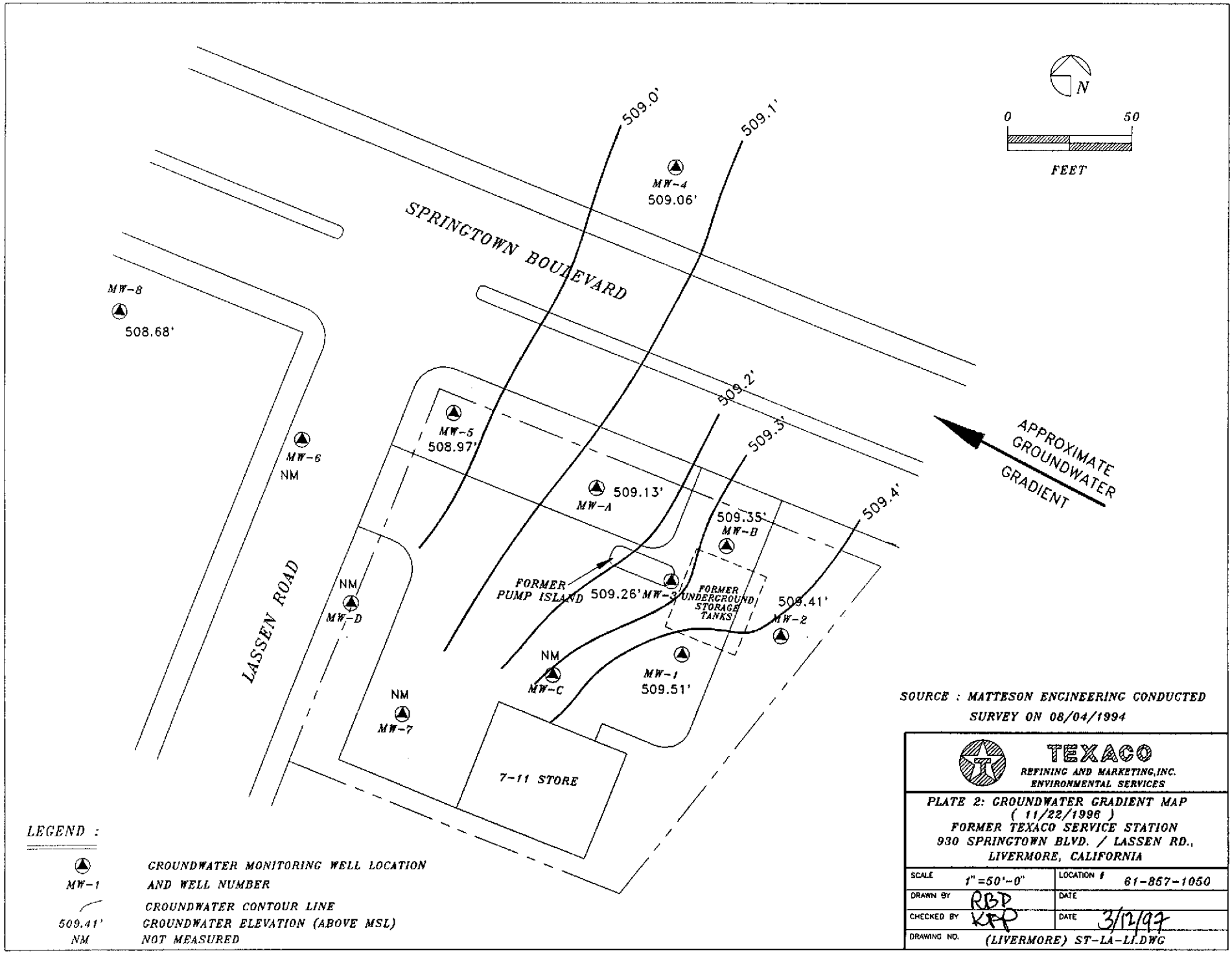


SOURCE:
 1993 THE THOMAS GUIDE
 ALAMEDA COUNTY, PAGE 51 (C3)



TEXACO
 REFINING AND MARKETING, INC.
 TEXACO ENVIRONMENTAL SERVICES

PLATE 1
 SITE VICINITY MAP
 FORMER TEXACO SERVICE STATION
 930 SPRINGTOWN BLVD. / LASSEN RD.,
 LIVERMORE, CALIFORNIA

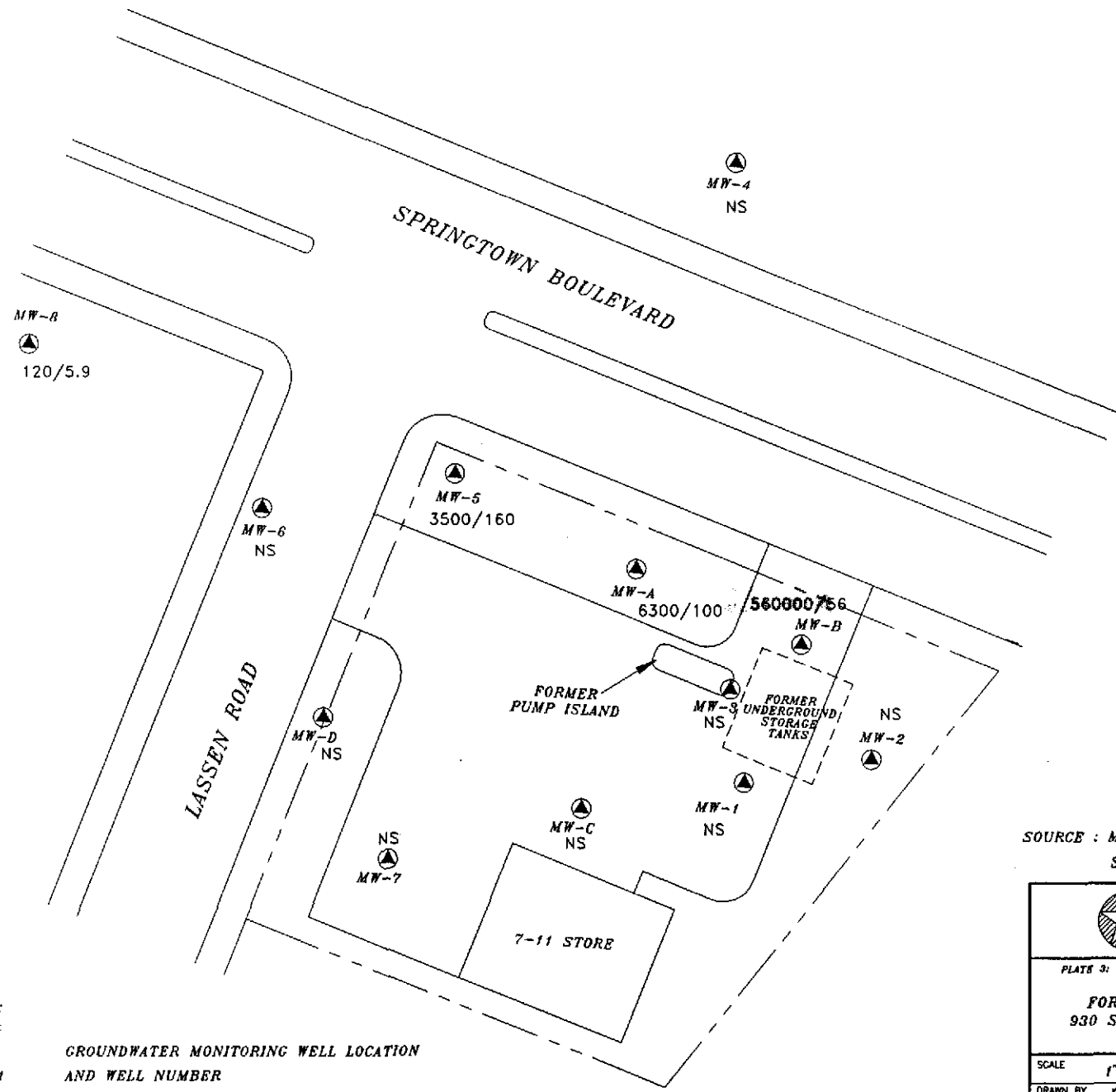
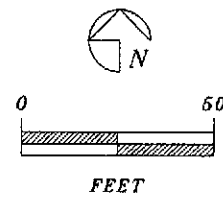


LEGEND :

- MW-1 GROUNDWATER MONITORING WELL LOCATION AND WELL NUMBER
- GROUNDWATER CONTOUR LINE
- 509.41' GROUNDWATER ELEVATION (ABOVE MSL)
- NM NOT MEASURED

SOURCE : MATTESON ENGINEERING CONDUCTED SURVEY ON 08/04/1994

 TEXACO REFINING AND MARKETING, INC. ENVIRONMENTAL SERVICES			
PLATE 2: GROUNDWATER GRADIENT MAP (11/22/1998) FORMER TEXACO SERVICE STATION 930 SPRINGTOWN BLVD. / LASSEN RD., LIVERMORE, CALIFORNIA			
SCALE	1" = 50'-0"	LOCATION #	61-857-1050
DRAWN BY	RBP	DATE	
CHECKED BY	KRP	DATE	3/12/99
DRAWING NO.	(LIVERMORE) ST-LA-LI.DWG		



LEGEND :

GROUNDWATER MONITORING WELL LOCATION AND WELL NUMBER
 MW-1
 120/5.9 TPH₉/BENZENE CONCENTRATION IN GROUNDWATER (ppb)
 NS NOT SAMPLED

SOURCE : MATTESON ENGINEERING CONDUCTED SURVEY ON 08/04/1994


 TEXACO REFINING AND MARKETING, INC. ENVIRONMENTAL SERVICES			
PLATE 3: TPH ₉ /BENZENE CONCENTRATION IN GROUNDWATER (11/22/1998) FORMER TEXACO SERVICE STATION 930 SPRINGTOWN BLVD. / LASSEN RD., LIVERMORE, CALIFORNIA			
SCALE	1" = 50'-0"	LOCATION #	81-857-1050
DRAWN BY	RSD	DATE	
CHECKED BY	KLP	DATE	3-13-97
DRAWING NO.	(LIVERMORE) ST-LA-LI.DWG		

Table 1
Groundwater Elevation Data
930 Springtown Boulevard, Livermore, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)	Floating Product
MW-A	1/2/1992	520.10	13.61	506.49	---
MW-A	4/2/1992	520.10	12.44	507.66	---
MW-A	7/21/1992	520.10	13.35	506.75	---
MW-A	10/9/1992	520.10	12.92	507.18	SD
MW-A	1/11/1993	520.10	11.78	508.32	SD
MW-A	5/5/1993	520.10	11.39	508.71	SD
MW-A	8/9/1993	520.10	12.80	507.30	SD
MW-A	10/14/1993	520.10	13.48	506.62	SD
MW-A	1/24/1994	520.10	12.74	507.36	SD
MW-A	5/31/1994	520.10	12.28	507.82	---
MW-A	8/31/1994	520.10	13.20	506.90	SD
MW-A	11/2/1994	520.10	13.15	506.95	SD
MW-A	2/20/1995	520.10	11.71	508.39	---
MW-A	5/9/1995	520.10	12.37	507.73	---
MW-A	8/21/1995	520.10	11.37	508.73	---
MW-A	10/20/1995	520.10	12.04	508.06	---
MW-A	2/7/1996	520.10	10.11	509.99	---
MW-A	4/30/1996	520.10	10.28	509.82	---
MW-A	8/14/1996	520.10	10.82	509.28	---
MW-A	11/22/1996	520.10	10.97	509.13	---
MW-B	1/2/1992	518.05	11.27	506.78	---
MW-B	4/2/1992	518.05	10.18	507.87	---
MW-B	7/21/1992	518.05	11.27	506.78	---
MW-B	10/9/1992	518.05	11.64	506.41	SD
MW-B	1/11/1993	518.05	9.65	508.40	SD
MW-B	5/5/1993	518.05	9.28	508.77	SD
MW-B	8/9/1993	518.05	11.02	507.03	SD
MW-B	10/14/1993	518.05	11.34	506.71	SD
MW-B	1/24/1994	518.05	10.54	507.51	SD
MW-B	5/31/1994	518.05	10.19	507.86	---
MW-B	8/31/1994	518.05	10.98	507.07	SD
MW-B	11/2/1994	518.05	10.90	507.15	SD
MW-B	2/20/1995	518.05	9.47	508.58	---
MW-B	5/9/1995	518.05	10.58	507.47	---
MW-B	8/21/1995	518.05	9.34	508.71	---
MW-B	10/20/1995	518.05	9.83	508.22	---
MW-B	2/7/1996	518.05	7.85	510.20	SD
MW-B	4/30/1996	518.05	8.02	510.03	---
MW-B	8/14/1996	518.05	8.66	509.39	SD
MW-B	11/22/1996	518.05	8.70	509.35	SD
MW-1	1/2/1992	520.61	14.11	506.50	---
MW-1	4/2/1992	520.61	12.98	507.63	---
MW-1	7/21/1992	520.61	13.92	506.69	---

Table 1
Groundwater Elevation Data
930 Springtown Boulevard, Livermore, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)	Floating Product
MW-1	10/9/1992	520.61	14.25	506.36	---
MW-1	1/11/1993	520.61	12.30	508.31	---
MW-1	5/5/1993	520.61	11.88	508.73	---
MW-1	8/9/1993	520.61	13.63	506.98	---
MW-1	10/14/1993	520.61	13.91	506.70	---
MW-1	1/24/1993	520.61	13.12	507.49	---
MW-1	5/31/1994	520.61	12.74	507.87	---
MW-1	8/31/1994	520.61	13.68	506.93	---
MW-1	11/2/1994	520.61	13.48	507.13	---
MW-1	2/20/1995	520.61	12.02	508.59	---
MW-1	5/9/1995	520.61	12.83	507.78	---
MW-1	8/21/1995	520.61	11.93	508.68	---
MW-1	10/20/1995	520.61	12.40	508.21	---
MW-1	2/7/1996	520.61	10.42	510.19	---
MW-1	4/30/1996	520.61	10.48	510.13	---
MW-1	8/14/1996	520.61	11.18	509.43	---
MW-1	11/22/1996	520.61	11.10	509.51	---
MW-2	1/2/1992	518.29	11.96	506.33	---
MW-2	4/2/1992	518.29	10.89	507.40	---
MW-2	7/21/1992	518.29	11.55	506.74	---
MW-2	10/9/1992	518.29	Not Monitored		
MW-2	1/11/1993	518.29	Not Monitored		
MW-2	5/5/1993	518.29	Not Monitored		
MW-2	8/9/1993	518.29	Not Monitored		
MW-2	10/14/1993	518.29	Not Monitored		
MW-2	1/24/1994	518.29	Not Monitored		
MW-2	5/31/1994	518.29	10.37	507.92	---
MW-2	8/31/1994	518.29	11.16	507.13	---
MW-2	11/2/1994	518.29	11.07	507.22	---
MW-2	2/20/1995	518.29	9.66	508.63	---
MW-2	5/9/1995	518.29	10.14	508.15	---
MW-2	8/21/1995	518.29	9.58	508.71	---
MW-2	10/20/1995	518.29	9.91	508.38	---
MW-2	2/7/1996	518.29	8.00	510.29	---
MW-2	4/30/1996	518.29	8.21	510.08	---
MW-2	8/14/1996	518.29	8.88	509.41	---
MW-2	11/22/1996	518.29	8.88	509.41	---
MW-3	1/2/1992	519.60	12.87	506.73	---
MW-3	4/2/1992	519.60	11.97	507.63	---
MW-3	7/21/1992	519.60	12.60	507.00	---
MW-3	10/9/1992	519.60	12.93	506.67	---
MW-3	1/11/1993	519.60	11.16	508.44	---
MW-3	5/5/1993	519.60	10.72	508.88	---

Table 1
Groundwater Elevation Data
930 Springtown Boulevard, Livermore, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)	Floating Product
MW-3	8/9/1993	519.60	12.34	507.26	---
MW-3	10/14/1993	519.60	12.71	506.89	---
MW-3	1/24/1994	519.60	12.03	507.57	---
MW-3	5/31/1994	519.60	11.54	508.06	---
MW-3	8/31/1994	519.60	12.60	507.00	---
MW-3	11/2/1994	519.60	12.16	507.44	---
MW-3	2/20/1995	519.60	11.05	508.55	---
MW-3	5/9/1995	519.60	11.97	507.63	---
MW-3	8/21/1995	519.60	7.60	512.00	---
MW-3	10/20/1995	519.60	11.46	508.14	---
MW-3	2/7/1996	519.60	9.42	510.18	---
MW-3	4/30/1996	519.60	9.60	510.00	---
MW-3	8/14/1996	519.60	10.24	509.36	---
MW-3	11/22/1996	519.60	10.34	509.26	---
MW-4	1/2/1992	518.79	12.22	506.57	---
MW-4	4/2/1992	518.79	11.03	507.76	---
MW-4	7/21/1992	518.79	12.36	506.43	---
MW-4	10/9/1992	518.79	12.40	506.39	---
MW-4	1/11/1993	518.79	10.72	508.07	---
MW-4	5/5/1993	518.79	10.21	508.58	---
MW-4	8/9/1993	518.79	12.25	506.54	---
MW-4	10/14/1993	518.79	12.58	506.21	---
MW-4	1/24/1994	518.79	11.72	507.07	---
MW-4	5/31/1994	518.79	11.29	507.50	---
MW-4	8/31/1994	518.79	12.00	506.79	---
MW-4	11/2/1994	518.79	11.96	506.83	---
MW-4	2/20/1995	518.79	10.42	508.37	---
MW-4	5/9/1995	518.79	11.22	507.57	---
MW-4	8/21/1995	518.79	10.51	508.28	---
MW-4	10/20/1995	518.79	10.86	507.93	---
MW-4	2/7/1996	518.79	8.93	509.86	---
MW-4	4/30/1996	518.79	9.03	509.76	---
MW-4	8/14/1996	518.79	9.84	508.95	---
MW-4	11/22/1996	518.79	9.73	509.06	---
MW-5	1/2/1992	521.19	14.56	506.63	---
MW-5	4/2/1992	521.19	13.58	507.61	---
MW-5	7/21/1992	521.19	13.77	507.42	---
MW-5	10/9/1992	521.19	14.09	507.10	---
MW-5	1/11/1993	521.19	12.24	508.95	---
MW-5	5/5/1993	521.19	11.90	509.29	---
MW-5	8/9/1993	521.19	13.35	507.84	---
MW-5	10/14/1993	521.19	13.89	507.30	---
MW-5	1/24/1994	521.19	13.32	507.87	---

Table 1
Groundwater Elevation Data
930 Springtown Boulevard, Livermore, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)	Floating Product
MW-5	5/31/1994	521.19	12.75	508.44	---
MW-5	8/31/1994	521.19	14.34	506.85	---
MW-5	11/2/1994	521.19	14.22	506.97	---
MW-5	2/20/1995	521.19	12.78	508.41	SD
MW-5	5/9/1995	521.19	13.41	507.78	---
MW-5	8/21/1995	521.19	12.32	508.87	---
MW-5	10/20/1995	521.19	13.28	507.91	---
MW-5	2/7/1996	521.19	11.31	509.88	---
MW-5	4/30/1996	521.19	11.52	509.67	---
MW-5	8/14/1996	521.19	12.03	509.16	---
MW-5	11/22/1996	521.19	12.22	508.97	SD
MW-6	1/2/1992	522.18	16.64	505.54	---
MW-6	4/2/1991	522.18	15.61	506.57	---
MW-6	7/21/1992	522.18	15.53	506.65	---
MW-6	10/9/1992	522.18	15.69	506.49	---
MW-6	1/11/1993	522.18	Not Monitored		
MW-6	5/5/1993	522.18	Not Monitored		
MW-6	8/9/1993	522.18	14.50	507.68	---
MW-6	10/14/1993	522.18	Not Monitored		
MW-6	1/24/1994	522.18	15.09	507.09	---
MW-6	5/31/1994	522.18	14.64	507.54	---
MW-6	8/31/1994	522.18	15.32	506.86	---
MW-6	11/2/1994	522.18	15.32	506.86	---
MW-6	2/20/1995	522.18	14.07	508.11	---
MW-6	5/9/1995	522.18	14.30	507.88	---
MW-6	8/21/1995	522.18	Well Inaccessible		
MW-6	10/20/1995	522.18	14.31	507.87	---
MW-6	2/7/1996	522.18	Not Monitored		
MW-6	4/30/1996	522.18	Not Monitored		---
MW-6	8/14/1996	522.18	Not Monitored		
MW-6	11/22/1996	522.18	Not Monitored		
MW-7	1/2/1992	522.19	11.17	511.02	---
MW-7	4/2/1992	522.19	10.34	511.85	---
MW-7	7/21/1992	522.19	9.02	513.17	---
MW-7	10/9/1992	522.19	Not Monitored		
MW-7	1/11/1993	522.19	Not Monitored		
MW-7	5/5/1993	522.19	Not Monitored		
MW-7	8/9/1993	522.19	Not Monitored		
MW-7	10/14/1993	522.19	Not Monitored		
MW-7	1/24/1994	522.19	Not Monitored		
MW-7	5/31/1994	522.19	9.42	512.77	---
MW-7	8/31/1994	522.19	6.84	515.35	---
MW-7	11/2/1994	522.19	6.48	515.71	---

Table 1
Groundwater Elevation Data
930 Springtown Boulevard, Livermore, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)	Floating Product
MW-7	2/20/1995	522.19	7.71	514.48	---
MW-7	5/9/1995	522.19	7.65	514.54	---
MW-7	8/21/1995	522.19	7.83	514.36	---
MW-7	10/20/1995	522.19	8.61	513.58	---
MW-7	2/7/1996	522.19	Not Monitored		
MW-7	4/30/1996	522.19	Not Monitored		
MW-7	8/14/1996	522.19	Not Monitored		
MW-7	11/22/1996	522.19	Not Monitored		
MW-8	1/2/1992	524.03	18.42	505.61	---
MW-8	4/2/1992	524.03	17.39	506.64	---
MW-8	7/21/1992	524.03	14.02	510.01	---
MW-8	10/9/1992	524.03	Not Monitored		
MW-8	1/11/1993	524.03	Not Monitored		
MW-8	5/5/1993	524.03	Not Monitored		
MW-8	8/9/1993	524.03	Not Monitored		
MW-8	10/14/1993	524.03	Not Monitored		
MW-8	1/24/1994	524.03	Not Monitored		
MW-8	5/31/1994	524.03	19.65	504.38	---
MW-8	8/31/1994	524.03	17.40	506.63	---
MW-8	11/2/1994	524.03	17.38	506.65	---
MW-8	2/20/1995	524.03	15.99	508.04	---
MW-8	5/9/1995	524.03	16.54	507.49	---
MW-8	8/21/1995	524.03	15.77	508.26	---
MW-8	10/20/1995	524.03	16.24	507.79	---
MW-8	2/7/1996	524.03	14.42	509.61	---
MW-8	4/30/1996	524.03	14.65	509.38	---
MW-8	8/14/1996	524.03	15.08	508.95	---
MW-8	11/22/1996	524.03	15.35	508.68	---
MSL = Mean Sea Level					
TOC = Top of Casing					
--- = None Present					
SD = Sheen detected in purge water					

Table 2
Groundwater Analytical Data
930 Springtown Boulevard, Livermore, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
MW-A	1/2/1992	SP	SP	SP	SP	SP	NA
MW-A	4/2/1992	27,000	1,200	570	1,700	2,300	NA
MW-A	7/21/1992	57,000	1,500	1,800	2,700	7,100	NA
MW-A	10/9/1992	56,000	2,900	2,600	4,600	12,000	NA
MW-A	1/11/1993	NS	NS	NS	NS	NS	NA
MW-A	5/5/1993	NS	NS	NS	NS	NS	NA
MW-A	8/9/1993	NS	NS	NS	NS	NS	NA
MW-A	10/14/1993	NS	NS	NS	NS	NS	NA
MW-A	1/24/1994	1,400,000	6,900	2,100	15,000	38,000	NA
MW-A	5/31/1994	48,000	1,200	900	1,900	4,200	NA
MW-A	8/31/1994	24,000	140	120	830	1,500	NA
MW-A	11/2/1994	15,000	230	360	1,100	1,800	NA
MW-A	2/20/1995	12,000	290	330	570	1,300	NA
MW-A	5/9/1995	1,200	6.1	5.9	12	15	NA
MW-A	8/21/1995	9,600	85	140	250	860	160
MW-A	10/20/1995	360	5.2	7.9	15	43	NA
MW-A	2/7/1996	6,100	130	180	320	840	NA
MW-A	4/30/1996	410	1.2	0.67	1.2	1.5	NA
MW-A	8/14/1996	3,000	65	75	170	460	57
MW-A	11/22/1996	6,300	100	170	310	710	64
MW-B	1/2/1992	SP	SP	SP	SP	SP	NA
MW-B	4/2/1992	1,900	ND	39	24	35	NA
MW-B	7/21/1992	16,000	180	1,600	270	1,100	NA
MW-B	10/9/1992	38,000	490	8,300	1,400	5,100	NA
MW-B	1/11/1993	NS	NS	NS	NS	NS	NA
MW-B	5/5/1993	NS	NS	NS	NS	NS	NA
MW-B	8/9/1993	NS	NS	NS	NS	NS	NA
MW-B	10/14/1993	NS	NS	NS	NS	NS	NA
MW-B	1/24/1994	23,000	110	1,700	600	1,900	NA
MW-B	5/31/1994	13,000	780	310	370	1,400	NA
MW-B	8/31/1994	35,000	160	2,800	1,000	4,500	NA
MW-B	11/2/1994	2,500	170	3,200	1,100	4,700	NA
MW-B	2/20/1995	10,000	46	1,400	330	1,200	NA
MW-B	5/9/1995	4,100	9.1	47	26	30	NA
MW-B	8/21/1995	4,000	9.6	110	120	270	98
MW-B	10/20/1995	9,300	35	1,300	370	1,300	NA
MW-B	2/7/1996	8,900	33	700	110	360	NA
MW-B	4/30/1996	5,500	17	460	120	400	NA
MW-B	8/14/1996	9,000	<5	260	120	320	<300
MW-B	11/22/1996	850,000	56	2,400	1,600	5,500	<3000
MW-1	1/2/1992	16	6	ND	ND	ND	NA
MW-1	4/2/1992	ND	ND	ND	ND	ND	NA
MW-1	7/21/1992	<50	3.2	<0.5	<0.5	<0.5	NA

Table 2
Groundwater Analytical Data
930 Springtown Boulevard, Livermore, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
MW-1	10/9/1992	<50	8.5	<0.5	<0.5	<0.5	NA
MW-1	1/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-1	5/5/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-1	8/9/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-1	10/14/1993	440	16	2.9	2.9	11	NA
MW-1	5/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-1	8/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-1	11/2/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-1	2/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-1	5/9/1995	450	22	25	23	100	NA
MW-1	8/21/1995	58	<0.5	1.5	1.8	4.5	<10
MW-1	10/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-1	2/7/1996	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-1	4/30/1996	NS	NS	NS	NS	NS	NA
MW-1	8/14/1996	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-1	11/22/1996	NS	NS	NS	NS	NS	NA
MW-2	1/2/1992	ND	ND	ND	ND	ND	NA
MW-2	4/2/1991	ND	ND	ND	ND	ND	NA
MW-2	7/21/1992	NS	NS	NS	NS	NS	NA
MW-2	10/9/1992	NS	NS	NS	NS	NS	NA
MW-2	1/11/1993	NS	NS	NS	NS	NS	NA
MW-2	5/5/1993	NS	NS	NS	NS	NS	NA
MW-2	8/9/1993	NS	NS	NS	NS	NS	NA
MW-2	10/14/1993	NS	NS	NS	NS	NS	NA
MW-2	1/24/1994	NS	NS	NS	NS	NS	NA
MW-2	5/31/1994	NS	NS	NS	NS	NS	NA
MW-2	8/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-2	11/2/1994	NS	NS	NS	NS	NS	NA
MW-2	2/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-2	5/9/1995	NS	NS	NS	NS	NS	NA
MW-2	8/21/1995	<50	<0.5	<0.5	<0.5	<0.5	<10
MW-2	10/20/1995	NS	NS	NS	NS	NS	NA
MW-2	2/7/1996	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-2	4/30/1996	NS	NS	NS	NS	NS	NA
MW-2	8/14/1996	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-2	11/22/1996	NS	NS	NS	NS	NS	NA
MW-3	1/2/1992	340	0.4	ND	ND	ND	NA
MW-3	4/2/1992	160	5	ND	0.3	0.5	NA
MW-3	7/21/1992	260	1.7	<0.5	<0.5	<0.5	NA
MW-3	10/9/1992	88	<0.5	<0.5	<0.5	<0.5	NA
MW-3	1/11/1993	130	<0.5	<0.5	<0.5	<0.5	NA
MW-3	5/5/1993	340	1.8	<0.5	1.3	<0.5	NA
MW-3	8/9/1993	610	18	<0.5	2.4	0.9	NA

Table 2
Groundwater Analytical Data
930 Springtown Boulevard, Livermore, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
MW-3	10/14/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-3	1/24/1994	320	3.5	<0.5	<0.5	<0.5	NA
MW-3	5/31/1994	830	11	12	5.0	1.2	NA
MW-3	8/31/1994	660	2	<0.5	1	<0.5	NA
MW-3	11/2/1994	1,500	260	36	34	76	NA
MW-3	2/20/1995	410	1.2	1.9	1.4	2.2	NA
MW-3	5/9/1995	730	23	43	21	95	NA
MW-3	8/21/1995	<50	<0.5	<0.5	<0.5	<0.5	<10
MW-3	10/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-3	2/7/1996	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-3	4/30/1996	NS	NS	NS	NS	NS	NA
MW-3	8/14/1996	<50	<0.5	0.60	<0.5	<0.5	<30
MW-3	11/22/1996	NS	NS	NS	NS	NS	NA
MW-4	1/2/1992	ND	ND	ND	ND	ND	NA
MW-4	4/2/1992	ND	ND	ND	ND	ND	NA
MW-4	7/21/1992	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-4	10/9/1992	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-4	1/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-4	5/5/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-4	8/9/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-4	10/14/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-4	1/24/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-4	5/31/1994	NS	NS	NS	NS	NS	NA
MW-4	8/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-4	11/2/1994	NS	NS	NS	NS	NS	NA
MW-4	2/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-4	5/9/1995	NS	NS	NS	NS	NS	NA
MW-4	8/21/1995	<50	<0.5	<0.5	<0.5	<0.5	<10
MW-4	10/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-4	2/7/1996	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-4	4/30/1996	NS	NS	NS	NS	NS	NA
MW-4	8/14/1996	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-4	11/22/1996	NS	NS	NS	NS	NS	NA
MW-5	1/2/1992	1,800	74	41	84	94	NA
MW-5	4/2/1992	ND	ND	ND	ND	ND	NA
MW-5	7/21/1992	1,000	69	16	40	31	NA
MW-5	10/9/1992	3,400	890	51	110	110	NA
MW-5	1/11/1993	15,000	460	110	900	370	NA
MW-5	5/5/1993	4,500	160	19	280	110	NA
MW-5	8/9/1993	2,300	180	19	130	80	NA
MW-5	10/14/1993	2,200	160	27	90	64	NA
MW-5	1/24/1994	2,600	69	11	65	25	NA
MW-5	5/31/1994	3,100	130	64	140	120	NA

Table 2
Groundwater Analytical Data
930 Springtown Boulevard, Livermore, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
MW-5	8/31/1994	600	20	2.9	14	7.1	NA
MW-5	11/2/1994	2,300	68	18	52	54	NA
MW-5	2/20/1995	12,000	130	<30	240	138	NA
MW-5	5/9/1995	2,500	57	60	54	37	NA
MW-5	8/21/1995	11,000	91	28	140	120	<100
MW-5	10/20/1995	2,300	38	3.8	28	19	NA
MW-5	2/7/1996	1,800	35	8.1	37	20	NA
MW-5	4/30/1996	NS	NS	NS	NS	NS	NA
MW-5	8/14/1996	3,500	130	22	170	47	71
MW-5	11/22/1996	3,500	160	15	190	28	<200
MW-6	1/2/1992	23	ND	0.3	0.6	3	NA
MW-6	4/2/1992	ND	ND	ND	ND	ND	NA
MW-6	7/21/1992	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6	10/9/1992	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6	1/11/1993	NS	NS	NS	NS	NS	NA
MW-6	5/5/1993	NS	NS	NS	NS	NS	NA
MW-6	8/9/1993	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6	10/14/1993	NS	NS	NS	NS	NS	NA
MW-6	1/24/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6	5/31/1994	NS	NS	NS	NS	NS	NA
MW-6	8/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6	11/2/1994	NS	NS	NS	NS	NS	NA
MW-6	2/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-6	5/9/1995	NS	NS	NS	NS	NS	NA
MW-6	8/21/1995	NS	NS	NS	NS	NS	NA
MW-6	10/20/1995	NS	NS	NS	NS	NS	NA
MW-6	2/7/1996	NS	NS	NS	NS	NS	NA
MW-6	4/30/1996	NS	NS	NS	NS	NS	NA
MW-6	8/14/1996	NS	NS	NS	NS	NS	NA
MW-6	11/22/1996	NS	NS	NS	NS	NS	NA
MW-7	1/2/1992	NS	NS	NS	NS	NS	NA
MW-7	4/2/1992	ND	ND	ND	ND	ND	NA
MW-7	7/21/92-11/22/96	NS	NS	NS	NS	NS	NA
MW-8	1/2/1992	12,000	32	980	200	760	NA
MW-8	4/2/1992	ND	ND	ND	ND	ND	NA
MW-8	7/21/1992	NS	NS	NS	NS	NS	NA
MW-8	10/9/1993	NS	NS	NS	NS	NS	NA
MW-8	1/11/1993	NS	NS	NS	NS	NS	NA
MW-8	5/5/1993	NS	NS	NS	NS	NS	NA
MW-8	8/9/1993	NS	NS	NS	NS	NS	NA
MW-8	10/14/1993	NS	NS	NS	NS	NS	NA
MW-8	1/24/1994	NS	NS	NS	NS	NS	NA

Table 2
Groundwater Analytical Data
930 Springtown Boulevard, Livermore, CA

Well	Date	TPHg	Benzene	Toluene	Ethyl-	Xylenes	MTBE
Number	Sampled	(ppb)	(ppb)	(ppb)	benzene (ppb)	(ppb)	(ppb)
MW-8	5/31/1994	NS	NS	NS	NS	NS	NA
MW-8	8/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-8	11/2/1994	NS	NS	NS	NS	NS	NA
MW-8	2/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-8	5/9/1995	NS	NS	NS	NS	NS	NA
MW-8	8/21/1995	<50	<0.5	<0.5	0.67	0.62	<10
MW-8	10/20/1995	NS	NS	NS	NS	NS	NA
MW-8	2/7/1996	<50	7.0	<0.5	<0.5	<0.5	NA
MW-8	4/30/1996	61	9.6	<0.5	<0.5	<0.5	NA
MW-8	8/14/1996	<50	0.73	<0.5	<0.5	<0.5	<30
MW-8	11/22/1996	120	5.9	2.2	2.4	8.3	<30
MTBE = Methyl-tert-butylether							
NA = Not Analyzed							
NS = Not Sampled							
ND = None Detected							
SP = Separate-phase petroleum hydrocarbons							
TPHg = Total petroleum hydrocarbons as gasoline							
< = Less than the detection limit for the specified method of analysis							

801 Western Avenue
 Glendale, CA 91201
 818/247-5737
 Fax: 818/247-9797

LOG NO: G96-11-622

Received: 26 NOV 96

Mailed: **DEC 5 1996**

Ms. Karen Petryna
 Texaco Environmental Services
 108 Cutting Boulevard
 Richmond, CA 94804

Purchase Order: 94-1446346+4370

Requisition: 618571050
 Project: FKEP9023L

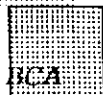
REPORT OF ANALYTICAL RESULTS

Page 1

AQUEOUS

SAMPLE DESCRIPTION	DATE SAMPLED	TPH/BTEX (CADHS/8020)	Date Analyzed Date	Dilution Factor Times	TPH-g	Benzene	Toluene	Ethyl-Benzene	Methyl-tert-butylether	Total Xylenes Isomers	Carbon Range
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	.
RDL				1	50	0.5	0.5	0.5	30	0.5	
1*MW-A	11/22/96	12/03/96		1	6300	100	170	310	64	710	C6-C12
2*MW-B	11/22/96	12/03/96		100	560000	56	2400	1600	<3000	5500	C6-C12
3*MW-5	11/22/96	12/04/96		5	3500	160	15	190	<200	28	C6-C12
4*MW-8	11/22/96	12/04/96		1	120	5.9	2.2	2.4	<30	8.3	C6-C12

Ms. Karen Petryna
 930 Springtown Blvd., Livermore, CA
 Alameda County



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SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE.....	METHOD.....	EQUIP.	BATCH..	ID.NO
			ANALYZED				
11622*1	MW-A	GAS.MTBE.TESNC	12.03.96	8015M.TX	536-21	96298	8171
11622*2	MW-B	GAS.MTBE.TESNC	12.03.96	8015M.TX	536-21	96298	8171
11622*3	MW-5	GAS.MTBE.TESNC	12.04.96	8015M.TX	536-36	966188	6843
11622*4	MW-8	GAS.MTBE.TESNC	12.04.96	8015M.TX	536-36	966188	6843
11622*5	EB	GAS.MTBE.TESNC	12.04.96	8015M.TX	536-36	966188	6843

*

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.
ID.NO = BC Analytical employee identification number of analyst.

AQUEOUS SAMPLES

	METHOD BLANK				LAB CONTROL							MATRIX QC										
	UNITS	RESULT	RDL	FLG	LCS		LCSD		RPD		RPD		MS		MSD		RPD					
					%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: GAS*96298 Method: 8015M.TX - Modified 8015																						
Benzene	ug/L	0	0.5	-	121	-	-	-	76	155	-	-	-	117	-	120	-	70	153	3	25	-
Toluene	ug/L	0	0.5	-	105	-	-	-	72	121	-	-	-	101	-	104	-	69	119	3	25	-
Ethylbenzene	ug/L	0	0.5	-	95	-	-	-	72	115	-	-	-	92	-	94	-	68	116	3	25	-
Methyl-tert-butylether	ug/L	0	30	-	84	-	-	-	62	159	-	-	-	97	-	105	-	80	176	8	25	-
Total Xylene Isomers	ug/L	0	0.5	-	92	-	-	-	68	115	-	-	-	90	-	95	-	61	118	5	25	-
TPH (Gasoline Range)	ug/L	0	50	-	115	-	-	-	85	120	-	-	-	118	-	113	-	78	124	5	25	-
[a,a,a-Trifluorotoluene]	Percent	120	-	Q	98	-	-	-	85	118	-	-	-	90	-	91	-	85	118	-	-	-
Batch: GAS*966188 Method: 8015M.TX - Modified 8015																						
Benzene	ug/L	0	0.5	-	115	-	-	-	76	155	-	-	-	107	-	99	-	70	153	7	25	-
Toluene	ug/L	0	0.5	-	100	-	-	-	72	121	-	-	-	92	-	88	-	69	119	4	25	-
Ethylbenzene	ug/L	0	0.5	-	101	-	-	-	72	115	-	-	-	93	-	93	-	68	116	0	25	-
Methyl-tert-butylether	ug/L	0	30	-	102	-	-	-	62	159	-	-	-	106	-	105	-	80	176	1	25	-
Total Xylene Isomers	ug/L	0	0.5	-	101	-	-	-	68	115	-	-	-	92	-	92	-	61	118	0	25	-
TPH (Gasoline Range)	ug/L	0	50	-	95	-	-	-	85	120	-	-	-	100	-	99	-	78	124	1	25	-
[a,a,a-Trifluorotoluene]	Percent	106	-	-	117	-	-	-	85	118	-	-	-	105	-	102	-	85	118	-	-	-

SURROGATE RECOVERIES :

3C ANALYTICAL : GLEN LAB : 10:52:28 06 DEC 1996 - P. 1 :

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THOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
11622*1							
15M.TXa	,a,a-Trifluorotoluene	Re96298	12/03/96	77.2	50.0	154	
11622*2							
15M.TXa	,a,a-Trifluorotoluene	Re96298	12/03/96	3880	5000	78	
11622*3							
15M.TXa	,a,a-Trifluorotoluene	Re966188	12/04/96	278	250	111	
11622*4							
15M.TXa	,a,a-Trifluorotoluene	Re966188	12/04/96	47.7	50.0	95	
11622*5							
15M.TXa	,a,a-Trifluorotoluene	Re966188	12/04/96	49.3	50.0	99	

SURROGATE RECOVERIES :

3C ANALYTICAL : GLEN LAB : 10:52:34 06 DEC 1996 - P. 1 :

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THOD ANALYTE BATCH ANALYZED REPORTED TRUE %REC FLAG

11567*8*R1

15M	Naphthalene	96209	12/02/96	0.0338	0.0500	68
	o-Terphenyl	96209	12/02/96	0.0389	0.0500	78
15M.TXa,a,a-	Trifluorotoluene	Re96298	12/03/96	52.1	50.0	104

11567*8*S1

15M	Naphthalene	96209	12/03/96	0.0621	0.0500	124
	o-Terphenyl	96209	12/03/96	0.0599	0.0500	120
15M.TXa,a,a-	Trifluorotoluene	Re96298	12/03/96	45.2	50.0	90

11567*8*S2

15M	Naphthalene	96209	12/03/96	0.0496	0.0500	99
	o-Terphenyl	96209	12/03/96	0.0506	0.0500	101
15M.TXa,a,a-	Trifluorotoluene	Re96298	12/03/96	45.4	50.0	91

11567*8*T

15M	Naphthalene	96209	12/03/96	0.0500	0.0500	100
	o-Terphenyl	96209	12/03/96	0.0500	0.0500	100
15M.TXa,a,a-	Trifluorotoluene	Re96298	12/03/96	50.0	50.0	100

11704*1*R1

15M.TXa,a,a-	Trifluorotoluene	Re966188	12/04/96	46.3	50.0	93
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11704*1*S1

15M.TXa,a,a-	Trifluorotoluene	Re966188	12/04/96	52.5	50.0	105
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11704*1*S2

15M.TXa,a,a-	Trifluorotoluene	Re966188	12/04/96	50.8	50.0	102
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11704*1*T

15M.TXa,a,a-	Trifluorotoluene	Re966188	12/04/96	50.0	50.0	100
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12285*1*MB

15M.TXa,a,a-	Trifluorotoluene	Re96298	12/03/96	60.1	50.0	120
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12413*1*MB

15M.TXa,a,a-	Trifluorotoluene	Re966188	12/03/96	52.8	50.0	106
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12511*1*LC

15M.TXa,a,a-	Trifluorotoluene	Re96298	12/03/96	48.8	50.0	98
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12511*1*LT

15M.TXa,a,a-	Trifluorotoluene	Re96298	12/03/96	50.0	50.0	100
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SURROGATE RECOVERIES :
GC ANALYTICAL : GLEN LAB : 10:52:35 06 DEC 1996 - P. 2 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
	2772*1*LC						
	15M.TXa,a,a-Trifluorotoluene	Re966188	12/03/96	58.6	50.0	117	
	2772*1*LT						
	15M.TXa,a,a-Trifluorotoluene	Re966188	12/03/96	50.0	50.0	100	

TEXACO WELL MONITORING DATA SHEET

Project #: <u>961122-L2</u>	Texaco ID#: <u>6185701050</u>
Sampler: <u>LAD</u>	Date: <u>11-22-96</u>
Well I.D.: <u>MW A</u>	Well Diameter: <u>2</u> 3 4 6 8 <u> </u>
Total Well Depth: <u>16.44</u>	Depth to Water: <u>10.97</u>
Depth to Free Product:	Thickness of Free Product:
All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.	

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius ² * 0.164

Purge Method: S.S. Bailer Teflon Bailer <input checked="" type="checkbox"/> Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: S.S. Bailer Teflon Bailer <input checked="" type="checkbox"/> Extraction Port Other: _____
--	--

<u>0.9</u>	x	<u>3</u>	=	<u>2.7</u> Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
<u>1316</u>	<u>66.8</u>	<u>7.4</u>	<u>1000.</u>	<u>>200.</u>	<u>1.</u>	
<u>1318</u>	<u>67.0</u>	<u>7.6</u>	<u>920.</u>	<u>>200.</u>	<u>2.</u>	<u>ODOR</u>
<u>1320</u>	<u>67.4</u>	<u>7.7</u>	<u>940.</u>	<u>>200.</u>	<u>3.</u>	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>3</u>
Sampling Time: <u>1321</u>	Sampling Date: <u>11-22-96</u>
Sample I.D.: <u>MW A</u>	Laboratory: <u>BC Analytical</u>
Analyzed for: <u>Ph-G</u> <u>BTEX</u> Tph-D	Other: <u>MTBE</u>
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: <u>961122-L2</u>	Texaco ID#: <u>6185701050</u>
Sampler: <u>LAD</u>	Date: <u>11-22-96</u>
Well I.D.: <u>MW-B</u>	Well Diameter: <u>2</u> 3 4 6 8 <u> </u>
Total Well Depth: <u>21.32</u>	Depth to Water: <u>8.70</u>
Depth to Free Product:	Thickness of Free Product:
All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.	

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius ² * 0.164

Purge Method: S.S. Bailer <input checked="" type="checkbox"/> Teflon Bailer Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: S.S. Bailer <input checked="" type="checkbox"/> Teflon Bailer Extraction Port Other: _____
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<u>2.0</u>	x	<u>3</u>	=	<u>6</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
<u>1332</u>	<u>67.6</u>	<u>7.5</u>	<u>1100.</u>	<u>>200.</u>	<u>2.</u>	<u>HEAVY</u>
<u>1335</u>	<u>67.2</u>	<u>7.6</u>	<u>1000.</u>	<u>>200.</u>	<u>4</u>	<u>SMOEN</u>
<u>1338</u>	<u>67.0</u>	<u>7.6</u>	<u>1000.</u>	<u>>200.</u>	<u>6.</u>	<u>STRONG</u>
						<u>ODOR</u>

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>6.</u>
Sampling Time: <u>1342</u>	Sampling Date: <u>11-22-96</u>
Sample I.D.: <u>MW-B</u>	Laboratory: <u>BC Analytical</u>
Analyzed for: <u>Tph-G</u> <u>BTEX</u> Tph-D	Other: <u>MTBE</u>
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: <u>961122-L2</u>	Texaco ID#: <u>618571050</u>
Sampler: <u>LAD</u>	Date: <u>11-22-96</u>
Well I.D.: <u>MW-5</u>	Well Diameter: <u>3</u> 4 6 8 <u> </u>
Total Well Depth: <u>21.35</u>	Depth to Water: <u>12.22</u>
Depth to Free Product: <u> </u>	Thickness of Free Product: <u> </u>
All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.	

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius ² * 0.164

Purge Method: <u>S.S. Bailer</u> Teflon Bailer Middleburg Electric Submersible Extraction Pump Other: <u> </u>	Sampling Method: <u>S.S. Bailer</u> Teflon Bailer Extraction Port Other: <u> </u>
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<u>1.5</u>	x	<u>3</u>	=	<u>4.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
<u>1240</u>	<u>67.2</u>	<u>7.2</u>	<u>900.</u>	<u>>200.</u>	<u>2.</u>	<u>ODOR</u>
<u>1242</u>	<u>67.6</u>	<u>7.4</u>	<u>860.</u>	<u>>200.</u>	<u>3.</u>	<u>LIGHT SHEEN</u>
<u>1244</u>	<u>67.0</u>	<u>7.2</u>	<u>900.</u>	<u>>200.</u>	<u>5.</u>	

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Gallons actually evacuated: <u>5</u>
Sampling Time: <u>1246</u>	Sampling Date: <u>11-22-96</u>
Sample I.D.: <u>MW-5</u>	Laboratory: <u>BC Analytical</u>
Analyzed for: Tph-G BTEX Tph-D	Other: <u>MTBE</u>
Equipment Blank I.D.: <u> </u>	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: <u>961122-L2</u>	Texaco ID#: <u>6185701050</u>
Sampler: <u>LAD</u>	Date: <u>11-22-96</u>
Well I.D.: <u>MW-8</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u>24.10</u>	Depth to Water: <u>15.35</u>
Depth to Free Product: <u> </u>	Thickness of Free Product: <u> </u>
All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.	

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius ² * 0.164

Purge Method: <u>S.S. Bailer</u> Teflon Bailer Middleburg Electric Submersible <input checked="" type="checkbox"/> Extraction Pump Other: <u> </u>	Sampling Method: <u>S.S. Bailer</u> <input checked="" type="checkbox"/> Teflon Bailer Extraction Port Other: <u> </u>
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<u>5.7</u>	x	<u>3</u>	=	<u>17.1</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
12:55	62.2	7.1	1100.	>2000	5.7	
12:57	63.8	6.9	1100	153	14.912	
12:59	64.0	6.8	1100.	78	17.118	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>18</u>
Sampling Time: <u>13:03</u>	Sampling Date: <u>11-22-96</u>
Sample I.D.: <u>MW-8</u>	Laboratory: <u>BC Analytical</u>
Analyzed for: <u>Tph-G</u> <u>BTEX</u> Tph-D Other: <u>MTBE</u>	
Equipment Blank I.D.: <u>EB@1255</u> Analyzed for same as primary sample	

AFTER MW-5

SOURCE RECORD BILL OF LADING
 FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM
 GROUNDWATER WELLS AT TEXACO FACILITIES IN THE
 STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE-
 WATER WHICH HAS BEEN RECOVERED FROM GROUND-
 WATER WELLS IS COLLECTED BY THE CONTRACTOR,
 MADE UP INTO LOADS OF APPROPRIATE SIZE AND
 HAULED TO THE DESTINATION DESIGNATED BY TEXACO
 ENVIRONMENTAL SERVICES (TES).

Contractor: Blaine Tech Services, Inc.
 Address: 985 Timothy Drive
 City, State, ZIP: San Jose, CA 95133
 Phone: (408) 995-5535

is authorized by Texaco Environmental Services to recover, collect, apportion into loads, and haul the NON-HAZARDOUS WELL PURGEWATER that is drawn from wells at the Texaco facility listed below and to deliver that purgewater to an appropriate destination designated by TEXACO ENVIRONMENTAL SERVICES in either Redwood City, California or in Richmond, California. Transport routing of the Non-Hazardous Well Purgewater may be directed from one Texaco facility to the designated destination point; from one Texaco facility to the designated destination point via another Texaco facility; from a Texaco facility via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of Texaco Environmental Services (TES).

This SOURCE RECORD BILL OF LADING was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Texaco facility described below:

TEXACO #: 0185701050
 Address: 430 SPRINGTOWN BLVD.
 City, State, ZIP: LIVERMORE, CA

Well I.D.	Gals.	Well I.D.	Gals.
	/		/
MW-A	/		/
MW-B	/		/
MW5	/		/
MW8	32		/
	/		/
	/		/
	/		/
	/		/
	/		/

Total gals. _____ added rinse water 8
 Total Gals. Recovered 40

Job #: 961122-L2
 Date: 11-22-96
 Time: 1236
 Signature: [Signature]

REC'D AT: BTS
 Date: 11-22-96
 Time: 1500
 Signature: [Signature]

Chain of Custody

Texaco Environmental Services

100 Cutting Boulevard
Richmond, California 94004

Phone: (510) 230-3541
FAX: (510) 237-7021

Forward Results to the Attention of Rebecca Digerness
Texaco Project Coordinator Karen Petryna

Site Name: Texaco Loc. # 618571050

Site Address: 930 Springtown Blvd. Livermore, CA

Contractor Project Number: 961122-02

Contractor Name: Blaine Tech Services, Inc.

Address: 985 Timothy Dr., San Jose, CA 95133

Project Contact: (408) 995-5535, (408) 293-8773

Laboratory: B C Analytical

Turn Around Time: normal (10 day)

Samplers (PRINT NAME): LAD GILCHRIST

Sampler Signature: [Signature]

Date Samples Collected: 11-22-96

ANALYSIS

Sample Number	Lab Sample Number	Date/Time Collected	No. of Containers	Type of Containers	Sample Matrix	Preservative	TPH gas/STEX	TPH Diesel	OLG/TPH (413.1)	TPH Ex. (CB-C36+)	VOCs 8240/524	P. Halocarbons 8010/60	P. Aromatics 8020/602	Organic Lead	Comments
MW-A		11/22/1321	3	CON		HEL	X								
MW-B		1342	3	HEL			X								
MW-5		1296	3	VOA			X								
MW-8		1303	3				X								
EB		1289	3				X								

Relinquished by: LAD GILCHRIST Date: 11-25-96 Time: 3:50
(Signature) [Signature]

Received by: Bill Lyons Date: 11-25-96 Time: 3:50
(Signature) [Signature]

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

Method of Shipment:

Lab Comments: