PACIFIC
ENVIRONMENTAL
GROUP, INC.

AN IT COMPANY

ENVIRONMENTAL
PROTECTION
98 SEP 28 PM 3:28

07

Was MTBE ever verified by 8260?
Will revised RBCA be coming? to address volatilization of soil/GW to indoor air?
Can do soil gas vapor study.

September 25, 1998
Project 340-083.9A

Ms. Eva Chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502-6577

Re: **Quarterly Monitoring Report - Third Quarter 1998**
Former Texaco Service Station/Current 7-11 Store
930 Springtown Boulevard at Lassen Road
Livermore, California

Dear Ms. Chu:

On behalf of Equilon Enterprises LLC, this letter transmits the results of third quarter 1998 groundwater monitoring and sampling conducted at the site referenced above.

If you have any questions or comments regarding this site, please contact me at your convenience at (408) 441-7500.

Sincerely,

Karen Petryna
669-9935

Pacific Environmental Group, Inc.

Keith Winemiller, P.E.
Project Engineer

Enclosure

cc: Ms. Karen Petryna, Equiva Services LLC, 108 Cutting Boulevard, Richmond, CA 94804
Mr. Bob DeNinno, The Southland Corporation, 19033 West Valley Highway, D-104, Kent, WA 98032

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

September 21, 1998

Groundwater Monitoring and Sampling
Third Quarter, 1998
at the
Former Texaco Service Station
930 Springtown Boulevard
Livermore, California

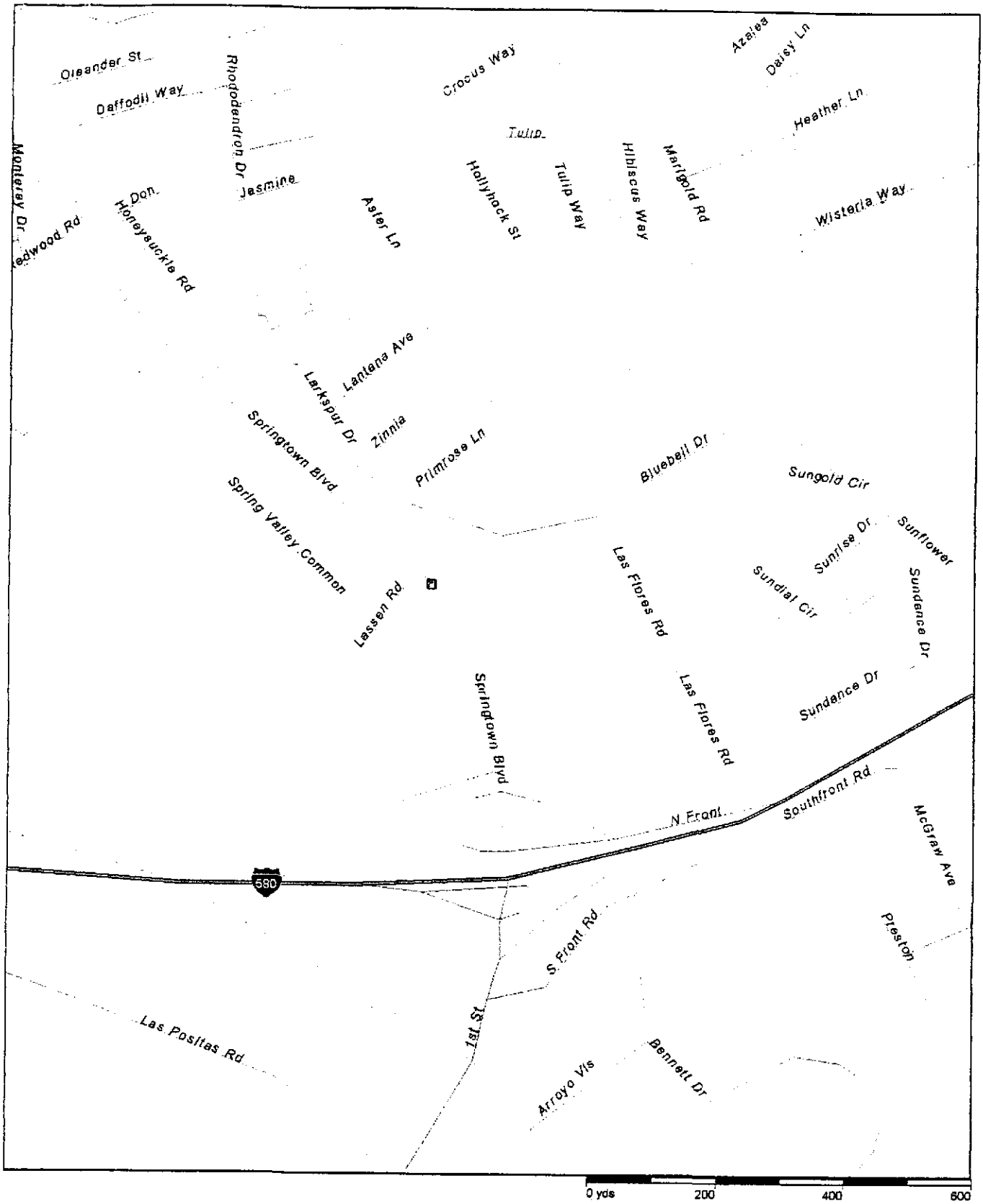
This report presents the results of groundwater monitoring and sampling conducted by Blaine Tech Services, Inc. on July 31, 1998 at the site referenced above (see Figure 1, Site Vicinity Map). Based on groundwater level measurements, the areal hydraulic gradient was estimated to be northwest. The gradient maps have been reviewed by a registered professional (see Figure 2, Groundwater Elevation Contour Map). TPHg and benzene concentrations are shown on Figure 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-1, MW-2, MW-3, and MW-4 are sampled semi-annually in February and August; monitoring wells MW-A, MW-B, MW-5, and MW-8 are sampled quarterly; and monitoring wells MW-A, MW-B, MW-1, MW-2, MW-3, MW-4, MW-5, and 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. Equilon Enterprises LLC's Standard Operating Procedures may be found in the fourth quarter, 1994 monitoring report.

Erika Wolski for:

Deidre Kerwin
Operations Manager
Blaine Tech Services, Inc.

DK:mc



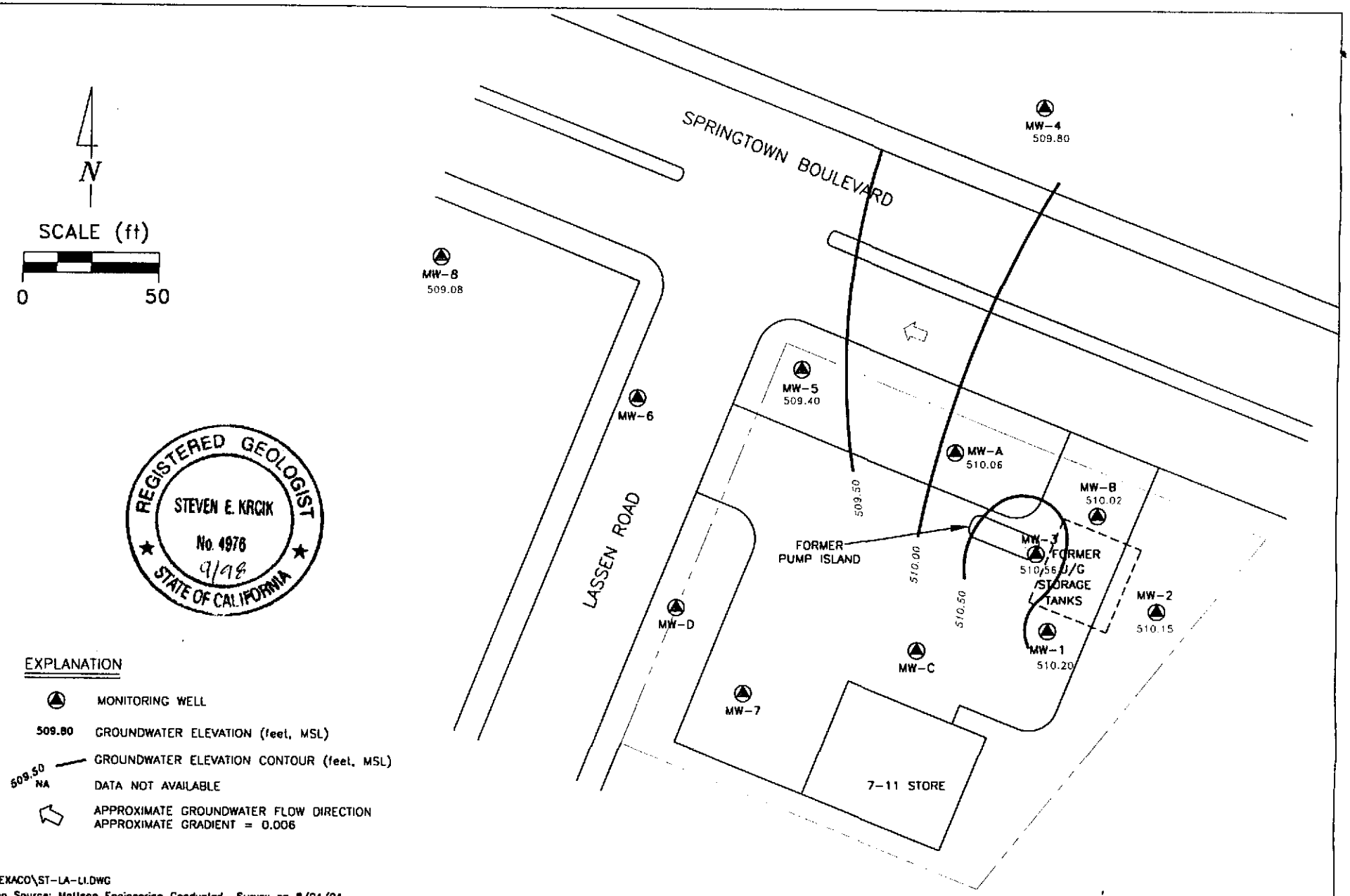
MICROSOFT AUTOMAP

Streets Plus

SITE VICINITY MAP

Former Texaco Service Station, 930 Springtown Blvd. / Lassen Rd., Livermore, California

Copyright © 1988-1996, Microsoft Corporation and/or its suppliers. All rights reserved.



FILE: TEXACO\ST-LA-LI.DWG
Basemap Source: Mattson Engineering Conducted Survey on 8/04/94

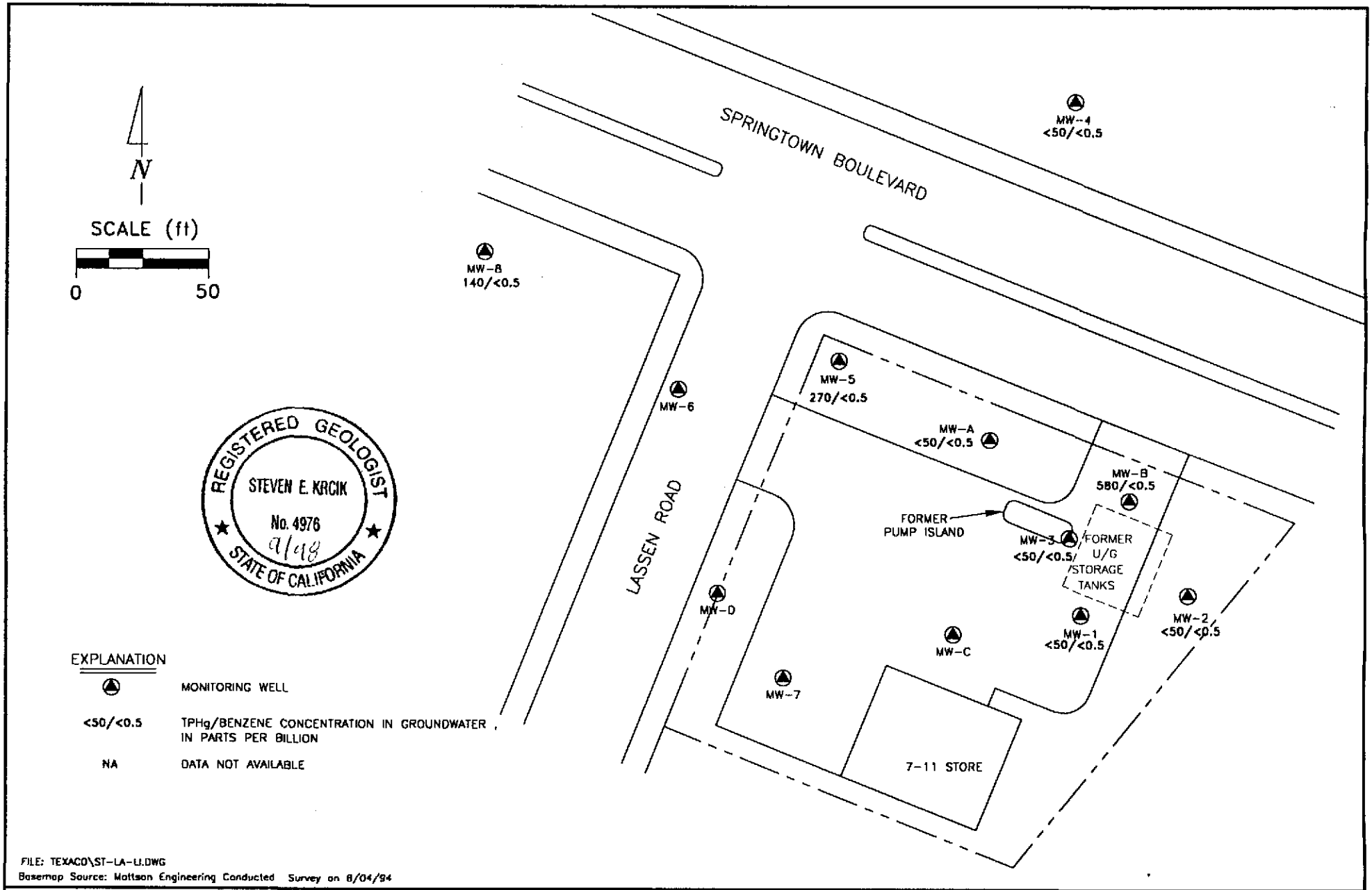
PREPARED BY

RRM
engineering contracting firm

Former Texaco Service Station
930 Springtown Boulevard/Lassen Road
Livermore, California

GROUNDWATER ELEVATION CONTOUR MAP, JULY 31, 1998

FIGURE:
2
PROJECT:
DAC04



EXPLANATION

▲	MONITORING WELL
<50/<0.5	TPHg/BENZENE CONCENTRATION IN GROUNDWATER, IN PARTS PER BILLION
NA	DATA NOT AVAILABLE

FILE: TEXACO\ST-LA-LI.DWG
Basemap Source: Mattson Engineering Conducted Survey on 8/04/94

PREPARED BY
RRM
engineering contracting firm

Former Texaco Service Station
930 Springtown Boulevard/Lassen Road
Livermore, California

TPHg/BENZENE CONCENTRATION
IN GROUNDWATER, JULY 31, 1998

FIGURE:
3
PROJECT:
DAC04

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)	Groundwater Elevation (feet, MSL)
MW-A	01/02/92	520.10	13.61	506.49
MW-A	04/02/92	520.10	12.44	507.66
MW-A	07/21/92	520.10	13.35	506.75
MW-A	10/09/92	520.10	12.92	507.18
MW-A	01/11/93	520.10	11.78	508.32
MW-A	05/05/93	520.10	11.39	508.71
MW-A	08/09/93	520.10	12.80	507.30
MW-A	10/14/93	520.10	13.48	506.62
MW-A	01/24/94	520.10	12.74	507.36
MW-A	05/31/94	520.10	12.28	507.82
MW-A	08/31/94	520.10	13.20	506.90
MW-A	11/02/94	520.10	13.15	506.95
MW-A	02/20/95	520.10	11.71	508.39
MW-A	05/09/95	520.10	12.37	507.73
MW-A	08/21/95	520.10	11.37	508.73
MW-A	10/20/95	520.10	12.04	508.06
MW-A	02/07/96	520.10	10.11	509.99
MW-A	04/30/96	520.10	10.28	509.82
MW-A	08/14/96	520.10	10.82	509.28
MW-A	11/22/96	520.10	10.97	509.13
MW-A	02/14/97	520.10	10.00	510.10
MW-A	05/23/97	520.10	11.36	508.74
MW-A	07/25/97	520.10	11.66	508.44
MW-A	10/31/97	520.10	11.56	508.54
MW-A	02/06/98	520.10	9.00	511.10
MW-A	05/19/98	520.10	9.85	510.25
MW-A	07/31/98	520.10	10.04	510.06

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)	Groundwater Elevation (feet, MSL)
MW-B	01/02/92	518.05	11.27	506.78
MW-B	04/02/92	518.05	10.18	507.87
MW-B	07/21/92	518.05	11.27	506.78
MW-B	10/09/92	518.05	11.64	506.41
MW-B	01/11/93	518.05	9.65	508.40
MW-B	05/05/93	518.05	9.28	508.77
MW-B	08/09/93	518.05	11.02	507.03
MW-B	10/14/93	518.05	11.34	506.71
MW-B	01/24/94	518.05	10.54	507.51
MW-B	05/31/94	518.05	10.19	507.86
MW-B	08/31/94	518.05	10.98	507.07
MW-B	11/02/94	518.05	10.90	507.15
MW-B	02/20/95	518.05	9.47	508.58
MW-B	05/09/95	518.05	10.58	507.47
MW-B	08/21/95	518.05	9.34	508.71
MW-B	10/20/95	518.05	9.83	508.22
MW-B	02/07/96	518.05	7.85	510.20
MW-B	04/30/96	518.05	8.02	510.03
MW-B	08/14/96	518.05	8.66	509.39
MW-B	11/22/96	518.05	8.70	509.35
MW-B	02/14/97	518.05	7.75	510.30
MW-B	05/23/97	518.05	9.05	509.00
MW-B	07/25/97	518.05	9.37	508.68
MW-B	10/31/97	518.05	9.29	508.76
MW-B	02/06/98	518.05	6.68	511.37
MW-B	05/19/98	518.05	7.57	510.48
MW-B	07/31/98	518.05	8.03	510.02

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)	Groundwater Elevation (feet, MSL)
MW-1	01/02/92	520.61	14.11	506.50
MW-1	04/02/92	520.61	12.98	507.63
MW-1	07/21/92	520.61	13.92	506.69
MW-1	10/09/92	520.61	14.25	506.36
MW-1	01/11/93	520.61	12.30	508.31
MW-1	05/05/93	520.61	11.88	508.73
MW-1	08/09/93	520.61	13.63	506.98
MW-1	10/14/93	520.61	13.91	506.70
MW-1	01/24/93	520.61	13.12	507.49
MW-1	05/31/94	520.61	12.74	507.87
MW-1	08/31/94	520.61	13.68	506.93
MW-1	11/02/94	520.61	13.48	507.13
MW-1	02/20/95	520.61	12.02	508.59
MW-1	05/09/95	520.61	12.83	507.78
MW-1	08/21/95	520.61	11.93	508.68
MW-1	10/20/95	520.61	12.40	508.21
MW-1	02/07/96	520.61	10.42	510.19
MW-1	04/30/96	520.61	10.48	510.13
MW-1	08/14/96	520.61	11.18	509.43
MW-1	11/22/96	520.61	11.10	509.51
MW-1	02/14/97	520.61	10.25	510.36
MW-1	05/23/97	520.61	11.48	509.13
MW-1	07/25/97	520.61	11.99	508.62
MW-1	10/31/97	520.61	11.74	508.87
MW-1	02/06/98	520.61	9.27	511.34
MW-1	05/19/98	520.61	10.51	510.10
MW-1	07/31/98	520.61	10.41	510.20

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)	Groundwater Elevation (feet, MSL)
MW-2	01/02/92	518.29	11.96	506.33
MW-2	04/02/92	518.29	10.89	507.40
MW-2	07/21/92	518.29	11.55	506.74
MW-2	05/31/94	518.29	10.37	507.92
MW-2	08/31/94	518.29	11.16	507.13
MW-2	11/02/94	518.29	11.07	507.22
MW-2	02/20/95	518.29	9.66	508.63
MW-2	05/09/95	518.29	10.14	508.15
MW-2	08/21/95	518.29	9.58	508.71
MW-2	10/20/95	518.29	9.91	508.38
MW-2	02/07/96	518.29	8.00	510.29
MW-2	04/30/96	518.29	8.21	510.08
MW-2	08/14/96	518.29	8.88	509.41
MW-2	11/22/96	518.29	8.88	509.41
MW-2	02/14/97	518.29	7.92	510.37
MW-2	05/23/97	518.29	9.25	509.04
MW-2	07/25/97	518.29	9.51	508.78
MW-2	10/31/97	518.29	9.30	508.99
MW-2	02/06/98	518.29	6.88	511.41
MW-2	05/19/98	518.29	8.35	509.94
MW-2	07/31/98	518.29	8.14	510.15

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)	Groundwater Elevation (feet, MSL)
MW-3	01/02/92	519.60	12.87	506.73
MW-3	04/02/92	519.60	11.97	507.63
MW-3	07/21/92	519.60	12.60	507.00
MW-3	10/09/92	519.60	12.93	506.67
MW-3	01/11/93	519.60	11.16	508.44
MW-3	05/05/93	519.60	10.72	508.88
MW-3	08/09/93	519.60	12.34	507.26
MW-3	10/14/93	519.60	12.71	506.89
MW-3	01/24/94	519.60	12.03	507.57
MW-3	05/31/94	519.60	11.54	508.06
MW-3	08/31/94	519.60	12.60	507.00
MW-3	11/02/94	519.60	12.16	507.44
MW-3	02/20/95	519.60	11.05	508.55
MW-3	05/09/95	519.60	11.97	507.63
MW-3	08/21/95	519.60	7.60	512.00
MW-3	10/20/95	519.60	11.46	508.14
MW-3	02/07/96	519.60	9.42	510.18
MW-3	04/30/96	519.60	9.60	510.00
MW-3	08/14/96	519.60	10.24	509.36
MW-3	11/22/96	519.60	10.34	509.26
MW-3	02/14/97	519.60	9.38	510.22
MW-3	05/23/97	519.60	10.67	508.93
MW-3	07/25/97	519.60	11.11	508.49
MW-3	10/31/97	519.60	10.86	508.74
MW-3	02/06/98	519.60	8.41	511.19
MW-3	05/19/98	519.60	9.40	510.20
MW-3	07/31/98	519.60	9.04	510.56

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)	Groundwater Elevation (feet, MSL)
MW-4	01/02/92	518.79	12.22	506.57
MW-4	04/02/92	518.79	11.03	507.76
MW-4	07/21/92	518.79	12.36	506.43
MW-4	10/09/92	518.79	12.40	506.39
MW-4	01/11/93	518.79	10.72	508.07
MW-4	05/05/93	518.79	10.21	508.58
MW-4	08/09/93	518.79	12.25	506.54
MW-4	10/14/93	518.79	12.58	506.21
MW-4	01/24/94	518.79	11.72	507.07
MW-4	05/31/94	518.79	11.29	507.50
MW-4	08/31/94	518.79	12.00	506.79
MW-4	11/02/94	518.79	11.96	506.83
MW-4	02/20/95	518.79	10.42	508.37
MW-4	05/09/95	518.79	11.22	507.57
MW-4	08/21/95	518.79	10.51	508.28
MW-4	10/20/95	518.79	10.86	507.93
MW-4	02/07/96	518.79	8.93	509.86
MW-4	04/30/96	518.79	9.03	509.76
MW-4	08/14/96	518.79	9.84	508.95
MW-4	11/22/96	518.79	9.73	509.06
MW-4	02/14/97	518.79	8.85	509.94
MW-4	05/23/97	518.79	10.15	508.64
MW-4	07/25/97	518.79	10.61	508.18
MW-4	10/31/97	518.79	10.36	508.43
MW-4	02/06/98	518.79	7.46	511.33
MW-4	05/19/98	518.79	8.91	509.88
MW-4	07/31/98	518.79	8.99	509.80

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)	Groundwater Elevation (feet, MSL)
MW-5	01/02/92	521.19	14.56	506.63
MW-5	04/02/92	521.19	13.58	507.61
MW-5	07/21/92	521.19	13.77	507.42
MW-5	10/09/92	521.19	14.09	507.10
MW-5	01/11/93	521.19	12.24	508.95
MW-5	05/05/93	521.19	11.90	509.29
MW-5	08/09/93	521.19	13.35	507.84
MW-5	10/14/93	521.19	13.89	507.30
MW-5	01/24/94	521.19	13.32	507.87
MW-5	05/31/94	521.19	12.75	508.44
MW-5	08/31/94	521.19	14.34	506.85
MW-5	11/02/94	521.19	14.22	506.97
MW-5	02/20/95	521.19	12.78	508.41
MW-5	05/09/95	521.19	13.41	507.78
MW-5	08/21/95	521.19	12.32	508.87
MW-5	10/20/95	521.19	13.28	507.91
MW-5	02/07/96	521.19	11.31	509.88
MW-5	04/30/96	521.19	11.52	509.67
MW-5	08/14/96	521.19	12.03	509.16
MW-5	11/22/96	521.19	12.22	508.97
MW-5	02/14/97	521.19	11.20	509.99
MW-5	05/23/97	521.19	12.55	508.64
MW-5	07/25/97	521.19	12.93	508.26
MW-5	10/31/97	521.19	12.78	508.41
MW-5	02/06/98	521.19	10.26	510.93
MW-5	05/19/98	521.19	11.12	510.07
MW-5	07/31/98	521.19	11.79	509.40
MW-6	01/02/92	522.18	16.64	505.54
MW-6	04/02/91	522.18	15.61	506.57
MW-6	07/21/92	522.18	15.53	506.65
MW-6	10/09/92	522.18	15.69	506.49
MW-6	08/09/93	522.18	14.50	507.68
MW-6	10/14/93	522.18	NM	NM
MW-6	01/24/94	522.18	15.09	507.09
MW-6	05/31/94	522.18	14.64	507.54
MW-6	08/31/94	522.18	15.32	506.86
MW-6	11/02/94	522.18	15.32	506.86
MW-6	02/20/95	522.18	14.07	508.11
MW-6	05/09/95	522.18	14.30	507.88
MW-6	08/21/95	522.18	NM	NM
MW-6	10/20/95	522.18	14.31	NM
MW-6	07/25/97	No Longer Monitored		

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)	Groundwater Elevation (feet, MSL)
MW-7	01/02/92	522.19	11.17	511.02
MW-7	04/02/92	522.19	10.34	511.85
MW-7	07/21/92	522.19	9.02	513.17
MW-7	05/31/94	522.19	9.42	512.77
MW-7	08/31/94	522.19	6.84	515.35
MW-7	11/02/94	522.19	6.48	515.71
MW-7	02/20/95	522.19	7.71	514.48
MW-7	05/09/95	522.19	7.65	514.54
MW-7	08/21/95	522.19	7.83	514.36
MW-7	10/20/95	522.19	8.61	513.58
MW-7	07/25/97	No Longer Monitored		
MW-8	01/02/92	524.03	18.42	505.61
MW-8	04/02/92	524.03	17.39	506.64
MW-8	07/21/92	524.03	14.02	510.01
MW-8	05/31/94	524.03	19.65	504.38
MW-8	08/31/94	524.03	17.40	506.63
MW-8	11/02/94	524.03	17.38	506.65
MW-8	02/20/95	524.03	15.99	508.04
MW-8	05/09/95	524.03	16.54	507.49
MW-8	08/21/95	524.03	15.77	508.26
MW-8	10/20/95	524.03	16.24	507.79
MW-8	02/07/96	524.03	14.42	509.61
MW-8	04/30/96	524.03	14.65	509.38
MW-8	08/14/96	524.03	15.08	508.95
MW-8	11/22/96	524.03	15.35	508.68
MW-8	02/14/97	524.03	14.32	509.71
MW-8	05/23/97	524.03	13.35	510.68
MW-8	07/25/97	524.03	16.05	507.98
MW-8	10/31/97	524.03	15.86	508.17
MW-8	02/06/98	524.03	13.62	510.41
MW-8	05/19/98	524.03	14.23	509.80
MW-8	07/31/98	524.03	14.95	509.08
NM = Not Measured				
TOC = Top of Casing				
MSL = Mean Sea Level				

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	01/02/92	NS	NS	NS	NS	NS	NS
MW-A	04/02/92	27000	1200	570	1700	2300	NS
MW-A	07/21/92	57000	1500	1800	2700	7100	NS
MW-A	10/09/92	56000	2900	2600	4600	12000	NS
MW-A	01/24/94	1400000	6900	2100	15000	38000	NS
MW-A	05/31/94	48000	1200	900	1900	4200	NS
MW-A	08/31/94	24000	140	120	830	1500	NS
MW-A	11/02/94	15000	230	360	1100	1800	NS
MW-A	02/20/95	12000	290	330	570	1300	NS
MW-A	05/09/95	1200	6.1	5.9	12	15	NS
MW-A	08/21/95	9600	85	140	250	860	160
MW-A	10/20/95	360	5.2	7.9	15	43	NS
MW-A	02/07/96	6100	130	180	320	840	NS
MW-A	04/30/96	410	1.2	0.67	1.2	1.5	NS
MW-A	08/14/96	3000	65	75	170	460	57
MW-A	11/22/96	6300	100	170	310	710	64
MW-A	02/14/97	8100	140	180	700	1600	<300
MW-A	05/23/97	24000	340	520	1600	3800	<2000
MW-A	07/25/97	440	<0.5	<0.5	<0.5	<0.5	<30
MW-A	10/31/97	3700	21	48	200	430	35
MW-A	02/06/98	1500	2.1	4.4	55	77	<30
MW-A	05/19/98	32000	310	380	1800	3700	1300
MW-A	07/31/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-B	01/02/92	NS	NS	NS	NS	NS	NS
MW-B	04/02/92	1900	ND	39	24	35	NS
MW-B	07/21/92	16000	180	1600	270	1100	NS
MW-B	10/09/92	38000	490	8300	1400	5100	NS
MW-B	01/24/94	23000	110	1700	600	1900	NS
MW-B	05/31/94	13000	780	310	370	1400	NS
MW-B	08/31/94	35000	160	2800	1000	4500	NS
MW-B	11/02/94	2500	170	3200	1100	4700	NS
MW-B	02/20/95	10000	46	1400	330	1200	NS
MW-B	05/09/95	4100	9.1	47	26	30	NS
MW-B	08/21/95	4000	9.6	110	120	270	98
MW-B	10/20/95	9300	35	1300	370	1300	NS
MW-B	02/07/96	8900	33	700	110	360	NS
MW-B	04/30/96	5500	17	460	120	400	NS
MW-B	08/14/96	9000	<5	260	120	320	<300
MW-B	11/22/96	560000	56	2400	1600	5500	<3000
MW-B	02/14/97	4600	5.2	110	72	210	<300
MW-B	05/23/97	34000	75	1700	590	2100	1800
MW-B	07/25/97	39000	250	5200	1600	5900	<800
MW-B	10/31/97	36000	130	2600	1200	4800	<800
MW-B	02/06/98	4800	10	120	72	200	<80
MW-B	05/19/98	25000	200	900	410	1600	570
MW-B	07/31/98	580	<0.5	<0.5	<0.5	<0.5	14

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	01/02/92	16	6	ND	ND	ND	NS
MW-1	04/02/92	ND	ND	ND	ND	ND	NS
MW-1	07/21/92	<50	3.2	<0.5	<0.5	<0.5	NS
MW-1	10/09/92	<50	8.5	<0.5	<0.5	<0.5	NS
MW-1	01/11/93	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-1	05/05/93	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-1	08/09/93	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-1	10/14/93	440	16	2.9	2.9	11	NS
MW-1	05/31/94	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-1	08/31/94	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-1	11/02/94	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-1	02/20/95	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-1	05/09/95	450	22	25	23	100	NS
MW-1	08/21/95	58	<0.5	1.5	1.8	4.5	<10
MW-1	10/20/95	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-1	02/07/96	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-1	04/30/96	NS	NS	NS	NS	NS	NS
MW-1	08/14/96	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-1	11/22/96	NS	NS	NS	NS	NS	NS
MW-1	02/14/97	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-1	05/23/97	NS	NS	NS	NS	NS	NS
MW-1	07/25/97	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-1	10/31/97	NS	NS	NS	NS	NS	NS
MW-1	02/06/98	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-1	05/19/98	NS	NS	NS	NS	NS	NS
MW-1	07/31/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5

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-2	01/02/92	ND	ND	ND	ND	ND	NS
MW-2	04/02/91	ND	ND	ND	ND	ND	NS
MW-2	07/21/92	NS	NS	NS	NS	NS	NS
MW-2	10/09/92	NS	NS	NS	NS	NS	NS
MW-2	01/11/93	NS	NS	NS	NS	NS	NS
MW-2	05/05/93	NS	NS	NS	NS	NS	NS
MW-2	08/09/93	NS	NS	NS	NS	NS	NS
MW-2	10/14/93	NS	NS	NS	NS	NS	NS
MW-2	01/24/94	NS	NS	NS	NS	NS	NS
MW-2	05/31/94	NS	NS	NS	NS	NS	NS
MW-2	08/31/94	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-2	11/02/94	NS	NS	NS	NS	NS	NS
MW-2	02/20/95	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-2	05/09/95	NS	NS	NS	NS	NS	NS
MW-2	08/21/95	<50	<0.5	<0.5	<0.5	<0.5	<10
MW-2	10/20/95	NS	NS	NS	NS	NS	NS
MW-2	02/07/96	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-2	04/30/96	NS	NS	NS	NS	NS	NS
MW-2	08/14/96	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-2	11/22/96	NS	NS	NS	NS	NS	NS
MW-2	02/14/97	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-2	05/23/97	NS	NS	NS	NS	NS	NS
MW-2	07/25/97	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-2	10/31/97	NS	NS	NS	NS	NS	NS
MW-2	02/06/98	<50	<0.5	<0.5	<0.5	1.4	<30
MW-2	05/19/98	NS	NS	NS	NS	NS	NS
MW-2	07/31/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5

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	01/02/92	340	0.4	ND	ND	ND	NS
MW-3	04/02/92	160	5	ND	0.3	0.5	NS
MW-3	07/21/92	260	1.7	<0.5	<0.5	<0.5	NS
MW-3	10/09/92	88	<0.5	<0.5	<0.5	<0.5	NS
MW-3	01/11/93	130	<0.5	<0.5	<0.5	<0.5	NS
MW-3	05/05/93	340	1.8	<0.5	1.3	<0.5	NS
MW-3	08/09/93	610	18	<0.5	2.4	0.9	NS
MW-3	10/14/93	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-3	01/24/94	320	3.5	<0.5	<0.5	<0.5	NS
MW-3	05/31/94	830	11	12	5.0	1.2	NS
MW-3	08/31/94	660	2	<0.5	1	<0.5	NS
MW-3	11/02/94	1500	260	36	34	76	NS
MW-3	02/20/95	410	1.2	1.9	1.4	2.2	NS
MW-3	05/09/95	730	23	43	21	95	NS
MW-3	08/21/95	<50	<0.5	<0.5	<0.5	<0.5	<10
MW-3	10/20/95	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-3	02/07/96	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-3	04/30/96	NS	NS	NS	NS	NS	NS
MW-3	08/14/96	<50	<0.5	0.60	<0.5	<0.5	<30
MW-3	11/22/96	NS	NS	NS	NS	NS	NS
MW-3	02/14/97	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-3	05/23/97	NS	NS	NS	NS	NS	NS
MW-3	07/25/97	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-3	10/31/97	NS	NS	NS	NS	NS	NS
MW-3	02/06/98	63	1.5	2.8	0.77	8.6	<30
MW-3	05/19/98	NS	NS	NS	NS	NS	NS
MW-3	07/31/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5

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-4	01/02/92	ND	ND	ND	ND	ND	NS
MW-4	04/02/92	ND	ND	ND	ND	ND	NS
MW-4	07/21/92	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-4	10/09/92	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-4	01/11/93	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-4	05/05/93	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-4	08/09/93	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-4	10/14/93	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-4	01/24/94	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-4	05/31/94	NS	NS	NS	NS	NS	NS
MW-4	08/31/94	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-4	11/02/94	NS	NS	NS	NS	NS	NS
MW-4	02/20/95	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-4	05/09/95	NS	NS	NS	NS	NS	NS
MW-4	08/21/95	<50	<0.5	<0.5	<0.5	<0.5	<10
MW-4	10/20/95	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-4	02/07/96	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-4	04/30/96	NS	NS	NS	NS	NS	NS
MW-4	08/14/96	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-4	11/22/96	NS	NS	NS	NS	NS	NS
MW-4	02/14/97	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-4	05/23/97	NS	NS	NS	NS	NS	NS
MW-4	07/25/97	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-4	10/31/97	NS	NS	NS	NS	NS	NS
MW-4	02/06/98	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-4	05/19/98	NS	NS	NS	NS	NS	NS
MW-4	07/31/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5

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	01/02/92	1800	74	41	84	94	NS
MW-5	04/02/92	ND	ND	ND	ND	ND	NS
MW-5	07/21/92	1000	69	16	40	31	NS
MW-5	10/09/92	3400	890	51	110	110	NS
MW-5	01/11/93	15000	460	110	900	370	NS
MW-5	05/05/93	4500	160	19	280	110	NS
MW-5	08/09/93	2300	180	19	130	80	NS
MW-5	10/14/93	2200	160	27	90	64	NS
MW-5	01/24/94	2600	69	11	65	25	NS
MW-5	05/31/94	3100	130	64	140	120	NS
MW-5	08/31/94	600	20	2.9	14	7.1	NS
MW-5	11/02/94	2300	68	18	52	54	NS
MW-5	02/20/95	12000	130	<30	240	138	NS
MW-5	05/09/95	2500	57	60	54	37	NS
MW-5	08/21/95	11000	91	28	140	120	<100
MW-5	10/20/95	2300	38	3.8	28	19	NS
MW-5	02/07/96	1800	35	8.1	37	20	NS
MW-5	04/30/96	NS	NS	NS	NS	NS	NS
MW-5	08/14/96	3500	130	22	170	47	71
MW-5	11/22/96	3500	160	15	190	28	<200
MW-5	02/14/97	2900	150	54	330	68	<300
MW-5	05/23/97	10000	170	98	380	68	<200
MW-5	07/25/97	2700	110	<0.5	33	<0.5	<30
MW-5	10/31/97	NS	NS	NS	NS	NS	NS
MW-5	02/06/98	67	<0.5	<0.5	<0.5	<0.5	<30
MW-5	05/19/98	4200	120	25	360	76	510
MW-5	07/31/98	270	<0.5	<0.5	<0.5	<0.5	<2.5
MW-6	01/02/92	23	ND	0.3	0.6	3	NS
MW-6	04/02/92	ND	ND	ND	ND	ND	NS
MW-6	07/21/92	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-6	10/09/92	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-6	01/11/93	NS	NS	NS	NS	NS	NS
MW-6	05/05/93	NS	NS	NS	NS	NS	NS
MW-6	08/09/93	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-6	10/14/93	NS	NS	NS	NS	NS	NS
MW-6	01/24/94	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-6	05/31/94	NS	NS	NS	NS	NS	NS
MW-6	08/31/94	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-6	11/02/94	NS	NS	NS	NS	NS	NS
MW-6	02/20/95	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-6	07/25/97	NS	NS	NS	NS	NS	NS
MW-6	10/31/97	NS	NS	NS	NS	NS	NS
MW-6	02/06/98	No Longer Sampled					

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-7	01/02/92	NS	NS	NS	NS	NS	NS
MW-7	04/02/92	ND	ND	ND	ND	ND	NS
MW-7	07/25/97	NS	NS	NS	NS	NS	NS
MW-7	10/31/97	NS	NS	NS	NS	NS	NS
MW-7	02/06/98	No Longer Sampled					
MW-8	01/02/92	12000	32	980	200	760	NS
MW-8	04/02/92	ND	ND	ND	ND	ND	NS
MW-8	07/21/92	NS	NS	NS	NS	NS	NS
MW-8	10/09/93	NS	NS	NS	NS	NS	NS
MW-8	01/11/93	NS	NS	NS	NS	NS	NS
MW-8	05/05/93	NS	NS	NS	NS	NS	NS
MW-8	08/09/93	NS	NS	NS	NS	NS	NS
MW-8	10/14/93	NS	NS	NS	NS	NS	NS
MW-8	01/24/94	NS	NS	NS	NS	NS	NS
MW-8	05/31/94	NS	NS	NS	NS	NS	NS
MW-8	08/31/94	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-8	11/02/94	NS	NS	NS	NS	NS	NS
MW-8	02/20/95	<50	<0.5	<0.5	<0.5	<0.5	NS
MW-8	05/09/95	NS	NS	NS	NS	NS	NS
MW-8	08/21/95	<50	<0.5	<0.5	0.67	0.62	<10
MW-8	10/20/95	NS	NS	NS	NS	NS	NS
MW-8	02/07/96	<50	7.0	<0.5	<0.5	<0.5	NS
MW-8	04/30/96	61	9.6	<0.5	<0.5	<0.5	NS
MW-8	08/14/96	<50	0.73	<0.5	<0.5	<0.5	<30
MW-8	11/22/96	120	5.9	2.2	2.4	8.3	<30
MW-8	02/14/97	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-8	05/23/97	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-8	07/25/97	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-8	10/31/97	<50	<0.5	<0.5	<0.5	<0.5	<30
MW-8	02/06/98	180	17	<0.5	<0.5	6.0	<30
MW-8	05/19/98	<50	4.9	<0.5	<0.5	<0.5	<2.5
MW-8	07/31/98	140	<0.5	<0.5	<0.5	<0.5	<2.5

MTBE = Methyl-tert-butylether
TPHg = Total Petroleum Hydrocarbons as gasoline
ppb = parts per billion
NS = Not Sampled

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Deidre Kerwin

Client Proj. ID: Texaco 618571050/980731-Y1
Sample Descript: MWA
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808016-01

Sampled: 07/31/98
Received: 08/03/98
Extracted: 08/05/98
Analyzed: 08/05/98
Reported: 08/12/98

QC Batch Number: GC0805988020GC7
Instrument ID: GC-1

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		N.D.

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	84

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Deidre Kerwin

Client Proj. ID: Texaco 618571050/980731-Y1
Sample Descript: MWB
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808016-02

Sampled: 07/31/98
Received: 08/03/98
Extracted: 08/05/98
Analyzed: 08/05/98
Reported: 08/12/98

QC Batch Number: GC0805988020GC7
Instrument ID: GC-7

Analyte	Detection Limit ug/l	Sample Results ug/l
TPPH as Gas	**50**	**580**
Methyl t-Butyl Ether	**2.5**	**14**
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	96

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Deidre Kerwin

Client Proj. ID: Texaco 618571050/980731-Y1
Sample Descript: MW1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808016-03

Sampled: 07/31/98
Received: 08/03/98
Extracted: 08/05/98
Analyzed: 08/05/98
Reported: 08/12/98

QC Batch Number: GC0805988020GC7
Instrument ID: GC-7

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		N.D.

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	82

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Deidre Kerwin

Client Proj. ID: Texaco 618571050/980731-Y1
Sample Descript: MW2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808016-04

Sampled: 07/31/98
Received: 08/03/98
Extracted: 08/05/98
Analyzed: 08/05/98
Reported: 08/12/98

QC Batch Number: GC0805988020GC7
Instrument ID: GC-7

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		N.D.

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	80

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Texaco 618571050/980731-Y1	Sampled: 07/31/98
1680 Rogers Avenue	Sample Descript: MW3	Received: 08/03/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 08/05/98
	Analysis Method: 8015Mod/8020	Analyzed: 08/05/98
Attention: Deidre Kerwin	Lab Number: 9808016-05	Reported: 08/12/98

QC Batch Number: GC0805988020GC7
Instrument ID: GC-7

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		N.D.

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	91

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Deidre Kerwin

Client Proj. ID: Texaco 618571050/980731-Y1
Sample Descript: MW4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808016-06

Sampled: 07/31/98
Received: 08/03/98
Extracted: 08/05/98
Analyzed: 08/05/98
Reported: 08/12/98

QC Batch Number: GC0805988020GC7
Instrument ID: GC-7

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	85

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Deidre Kerwin

Client Proj. ID: Texaco 618571050/980731-Y1
Sample Descript: MW5
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808016-07

Sampled: 07/31/98
Received: 08/03/98
Extracted: 08/05/98
Analyzed: 08/05/98
Reported: 08/12/98

QC Batch Number: GC0805988020GC7
Instrument ID: GC-7

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	270
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		C6-C1[illegible]

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	107

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Texaco 618571050/980731-Y1	Sampled: 07/31/98
1680 Rogers Avenue	Sample Descript: MW8	Received: 08/03/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 08/05/98
	Analysis Method: 8015Mod/8020	Analyzed: 08/05/98
Attention: Deidre Kerwin	Lab Number: 9808016-08	Reported: 08/12/98

QC Batch Number: GC0805988020GC7
Instrument ID: GC-7

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**140**
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	80

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Deidre Kerwin

Client Proj. ID: Texaco 618571050/980731-Y1
Sample Descript: EB
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808016-09

Sampled: 07/31/98
Received: 08/03/98
Extracted: 08/05/98
Analyzed: 08/05/98
Reported: 08/12/98

QC Batch Number: GC0805988020GC7
Instrument ID: GC-7

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	82

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Deidre Kerwin

Client Project ID: Texaco 618571050/ 980731-Y1
Matrix: Liquid
Work Order #: 9808016 -01-09
Reported: Aug 13, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC080598802004A	GC080598802004A	GC080598802004A	GC080598802004A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	S.L.	S.L.	S.L.	S.L.
MS/MSD #:	98080032	98080032	98080032	98080032
Sample Conc.:	n.d.	n.d.	n.d.	n.d.
Prepared Date:	8/5/98	8/5/98	8/5/98	8/5/98
Analyzed Date:	8/5/98	8/5/98	8/5/98	8/5/98
Instrument I.D.#:	GC7	GC7	GC7	GC7
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	19	19	20	62
MS % Recovery:	95	95	100	103
Dup. Result:	19	19	21	63
MSD % Recov.:	96	95	105	105
RPD:	0.0	0.0	4.9	1.6
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	LCS080598	LCS080598	LCS080598	LCS080598
Prepared Date:	8/5/98	8/5/98	8/5/98	8/5/98
Analyzed Date:	8/5/98	8/5/98	8/5/98	8/5/98
Instrument I.D.#:	GC7	GC7	GC7	GC7
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	19	19	20	60
LCS % Recov.:	95	95	100	100
MS/MSD Control Limits	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL
Elap #2142

Peggy Penner
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

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Texaco 618571050/980731-Y1	Received: 08/03/98
1680 Rogers Avenue		
San Jose, CA 95112	Lab Proj. ID: 9808016	Reported: 08/12/98
Attention: Deidre Kerwin		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 12 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

☒ 680 Chesapeake Drive • Redwood City, CA 94063 • (650) 364-9600 FAX (650) 364-9233
☐ 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
☐ 404 N. Wiget Lane • Walnut Creek, CA 94598 • (510) 988-9600 FAX (510) 988-9673

Company Name: TRMI EH&S	Project Name: ~~TEMPLATE~~ 980731 Y1
Address: Texaco Loc.#618571050, 930 Springtown Blvd.	Billing Address (if different): 108 Cutting Boulevard
City: Livermore State: CA Zip Code:	Richmond, California 94804
Telephone: (510)236-3541 FAX #: (510)237-7821	~~P.O.#~~ engineer: Karen Petryna
Report To: Deidre Kerwin (BTS) Sampler: BROOKS TAYLOR	QC Data: ☐ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

Turnaround Time: ☒ 10 Working Days ☐ 3 Working Days ☐ 2 - 8 Hours ☐ 7 Working Days ☐ 2 Working Days ☐ 5 Working Days ☐ 24 Hours

☐ Drinking Water ☐ Waste Water ☐ Other

Analyses Requested 980731 Y1

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPH-g/BTEX/MTBE	TPH Diesel	O&G/TRPH (418.1)	Nitrate	Sulfate	Total Sulfide	Comments
1. MW7 ✓	7/31 ~~1410~~ 1310		3	VOA	1	X						
2. MW8 ✓	1250				2							
3. MW1 ✓	1140				3							
4. MW2 ✓	1120				4							
5. MW3 ✓	1200				5							
6. MW4 ✓	1053				6							
7. MW5 ✓	1225				7							
8. MW6 ✓	1021				8							
9. EB ✓	1030				9							
10.												

ELP !
Keep 1 VOA

Relinquished By:	Date: 8/3/98	Time: 12:40	Received By:	Date: 8/3/98	Time: 12:40
Relinquished By:	Date: 8/3/98	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab:	Date: 8/3/98	Time: 14:41

Were Samples Received in Good Condition? ☐ Yes ☐ No Samples on Ice? ☐ Yes ☐ No Method of Shipment _____ Page ___ of ___

White - Sequoia Yellow - Sequoia Pink - Client

Well Gauging Data

Project Name: TEXACO # 618571050
Project Number: 980731 Y1

Date: 2/3/68
Recorded By: B. TAYLOR

Well ID	TOC Elev.	DTB (ft. TOC)	Well Dia. (in.)	DTP (ft.)	DTW (ft.)	PT (ft.)	Comments
MW A		16.31	2		10.04		
MW B		21.83	2		8.03		
MW 1		25.33	4		10.41		
MW 2		22.44	4		8.14		
MW 3		24.54	4		9.04		
MW 4		25.01	3		8.99		
MW 5		21.18	2		11.79		
MW 6		24.15	4		14.95		

TOC = Top of casing
DTB = Depth to bottom in feet below TOC
DTP = Depth to product in feet below TOC
DTW = Depth to water in feet below TOC
PT = Product thickness in feet

TEXACO WELL MONITORING DATA SHEET

Project #: 980731 Y1	Texaco ID#: 6185710500
Sampler: B. TAYLOR	Date: 7/31/98
Well I.D.: MW ~~A~~	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 16.31	Depth to Water: 10.04
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	radius² * 0.164

Purge Method:
~~S.S. Bailer~~
Teflon Bailer
Middleburg
Electric Submersible
Extraction Pump
Other: DISPOSABLE BAILER

Sampling Method:
~~S.S. Bailer~~
Teflon Bailer
Extraction Port
Other: DISP. BAILER

1 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
1304	68.7	7.3	1800	>200	1	
1306	68.4	7.3	1900	>200	2	
1308	67.8	7.2	1800	>200	3	

Did well dewater? Yes (No) Gallons actually evacuated: 3

Sampling Time: 1310 Sampling Date: 7/31/98

Sample I.D.: MW A Laboratory: ~~BC Analytical~~ SEQ

Analyzed for: ~~Tph-G~~ (BTEX) Tph-D Other: MTBE

Equipment Blank I.D.: Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980731 Y1	Texaco ID#: 6185710SO
Sampler: B. TAYLOR	Date: 7/31/98
Well I.D.: MW B	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 21.83	Depth to Water: 8.03
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	radius² * 0.164

Purge Method:
- S.S. Bailer X
- Teflon Bailer
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: ___

Sampling Method: S.S. Bailer X
- Teflon Bailer
- Extraction Port
- Other: ___

2.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 7.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
1244	69.8	7.1	1400	>200	2.5	
1247	69.7	6.9	1100	>200	5.0	
1250	68.6	6.9	1000	>200	7.5	

Did well dewater? Yes (No)

Gallons actually evacuated: 7.5

Sampling Time: 1250

Sampling Date: 7/31/98

Sample I.D.: MW B

Laboratory: ~~BC Analytical~~ SEQ

Analyzed for: (Tph-G) (BTEX) Tph-D Other: MTBE

Equipment Blank I.D.:

Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980731 Y1	Texaco ID#: 6185/1050
Sampler: B. TAYLOR	Date: 7/31/98
Well I.D.: MW1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 25.33	Depth to Water: 10.41
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	radius² * 0.164

Purge Method:
- S.S. Bailer
- Teflon Bailer
- Middleburg
- Electric Submersible X
- Extraction Pump
- Other: _____

Sampling Method:
- S.S. Bailer X
- Teflon Bailer
- Extraction Port
- Other: _____

10 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 30 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
1133	76.0	7.0	1800	7200	10	
1135	68.7	6.9	1300	7200	20	
1136	67.6	6.9	1500	7200	30	

Did well dewater? Yes (No) Gallons actually evacuated: 30

Sampling Time: 1140 Sampling Date: 7/31/98

Sample I.D.: MW1 Laboratory: ~~BC Analytical~~ SEQ

Analyzed for: (TPH-G) (BTEX) Tph-D Other: MTBE

Equipment Blank I.D.: Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980731 Y1	Texaco ID#: 6185710050
Sampler: B. TAYLOR	Date: 7/31/98
Well I.D.: MW2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 22.44	Depth to Water: 8.14
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	radius² * 0.164

Purge Method:
- S.S. Bailer
- Teflon Bailer
- Middleburg
- Electric Submersible X
- Extraction Pump
- Other: ___

Sampling Method:
- S.S. Bailer X
- Teflon Bailer
- Extraction Port
- Other: ___

10	x	3	=	30 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
1113	66.4	7.0	1000	>200	10	
1114	64.3	7.0	1100	>200	20	
1115	64.1	7.0	1100	>200	30	

Did well dewater? Yes ~~No~~ Gallons actually evacuated: 30

Sampling Time: 1120 Sampling Date: 7/31/98

Sample I.D.: MW2 Laboratory: ~~BC Analytical~~ STL

Analyzed for: ~~Tph-G~~ BTEX Tph-D Other: MTBE

Equipment Blank I.D.: Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980731 Y1	Texaco ID#: 6185710 50
Sampler: B. TAYLOR	Date: 7/31/98
Well I.D.: MW3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.54	Depth to Water: 5.09
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	radius² * 0.164

Purge Method:
- S.S. Bailer
- Teflon Bailer
- Middleburg
- Electric Submersible X
- Extraction Pump
- Other: _____

Sampling Method:
- S.S. Bailer X
- Teflon Bailer
- Extraction Port
- Other: _____

10 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 30 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
1151	70.3	7.2	1400	7200	10	
1152	69.4	7.2	1500	>200	20	
1153	68.6	7.2	1500	>200	30	

Did well dewater? Yes (No) Gallons actually evacuated: 30

Sampling Time: 1200 Sampling Date: 7/31/98

Sample I.D.: MW3 Laboratory: ~~BC Analytical~~ SEQ

Analyzed for: (Tph-G) (BTEX) Tph-D Other: MTBE

Equipment Blank I.D.: Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980731	Texaco ID#: 6185/1050
Sampler: B. TAYLOR	Date: 7/31/98
Well I.D.: MW4	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 25.01	Depth to Water: 8.99
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 X; Teflon Bailer; Middleburg; Electric Submersible; Extraction Pump; Other: _____

Sampling Method: S.S. Bailer X; Teflon Bailer; Extraction Port; Other: _____

7 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 21 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
1040	68.4	7.1	1300	>200	7	
1045	67.4	6.9	1100	>200	14	
1050	67.1	6.9	100	>200	21	

Did well dewater? Yes (No) Gallons actually evacuated: 21

Sampling Time: 1053 Sampling Date: 7/31/98

Sample I.D.: MW4 Laboratory: ~~BC Analytical~~ STL

Analyzed for: (Tph-G) (BTEX) Tph-D Other: MTBE

Equipment Blank I.D.: Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980731 Y1	Texaco ID#: 6155710050
Sampler: B. TAYLOR	Date: 7/31/98
Well I.D.: MW 5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 21.18	Depth to Water: 11.79
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	radius² * 0.164

Purge Method:
- S.S. Bailer X
- Teflon Bailer
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: ____

Sampling Method:
- S.S. Bailer X
- Teflon Bailer
- Extraction Port
- Other: ____

1 Case Volume (Gals.)	x	Specified Volumes	=	Calculated Volume
2	x	3	=	6 Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
1216	71.4	7.1	1400	7200	2	
1219	70.2	7.1	1000	>200	4	
1222	68.7	7.1	1000	7200	6	

Did well dewater? Yes (No)	Gallons actually evacuated: 6
Sampling Time: 1225	Sampling Date: 7/31/98
Sample I.D.: MW5	Laboratory: ~~BC Analytical~~ SEQ
Analyzed for: (Tph-G) (BTEX) Tph-D	Other: MTBE
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980731 V1	Texaco ID#: 6185710500
Sampler: B. TAYLOR	Date: 7/31/98
Well I.D.: MW 8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.15	Depth to Water: 14.95
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	radius² * 0.164

Purge Method:
- S.S. Bailer
- Teflon Bailer
- Middleburg
- Electric Submersible X
- Extraction Pump
- Other: _____

Sampling Method:
- S.S. Bailer X
- Teflon Bailer
- Extraction Port
- Other: _____

6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 18 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
1014	67.8	7.4	1300	>200	6	
1015	66.4	7.4	1400	>200	12	
1016	65.3	7.4	1400	>200	18	

Did well dewater? Yes (No)	Gallons actually evacuated: 18
Sampling Time: 1021	Sampling Date: 7/31/98
Sample I.D.: MW8	Laboratory: BC ~~Analytical~~ SEQ
Analyzed for: ~~Tph-G~~ (BTEX) Tph-D	Other: MTBE
Equipment Blank I.D.: EB	Analyzed for same as primary sample

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 TRMI EH&S.

Contractor: Blaine Tech Services, Inc.
Address: 1680 Rogers Ave.
City, State, ZIP: San Jose, CA 95112
Phone: (408) 573-0555

is authorized by TRMI EH&S 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 TRMI EH&S in either Redwood City, California or in Richmond, California. Transport routing of the Non-Hazardous Well Purgewater may be direct 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 to the designated destination point via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of TRMI EH&S.

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#: C1857 1050
Address: 930 SPRINGTON BLVD
City, State, ZIP: LIVERMORE CA

WELL I.D.	GALS.	WELL I.D.	GALS.
MW 7	3		
MW 8	7.5		
MW 1	30		
MW 2	30		
MW 3	30		
MW 4	21		
MW 5	6		
MW 6	18		

Total gals. 8

added rinse water 5

Total Gals. Recovered 150.5

Job#: 980731Y1
Date: 7/31/98
Time: 1330
Signature:

REC'D AT:
Date:
Time:
Signature:

QUARTERLY STATUS REPORT

Former Texaco Service Station/Current Seven-Eleven Store
930 Springtown, Livermore, California
Alameda County
Third Quarter 1998

SITE HISTORY

Subsurface investigation was initiated in September, 1984 with the installation of two groundwater monitoring wells (MW-1A and MW-1B). Underground fuel storage tanks were removed in June 1985. Plume definition investigation continued through 1989. Monitoring wells MW-1 through MW-3 were installed in June 1985, MW-4 was installed in September 1985, and MW-5 and MW-6 were installed in November 1986. One soil boring was drilled and two additional monitoring wells (MW-7 and MW-8) were installed in December 1989 in order to fully define the extent of subsurface hydrocarbons. Monitoring wells MW-6 and MW-7 were destroyed in December 1995 and January 1996. A vapor extraction system operated at the site from September 1994 through October 1995. A work plan was submitted to conduct Risk Based Corrective Action analysis in the third quarter of 1997. The analysis was performed and a report was submitted to Alameda County during the fourth quarter of 1997 along with an additional correspondence detailing the input parameters for the analysis.

WORK PERFORMED THIS QUARTER

Continued the groundwater monitoring and sampling program. Preparing a *Risk Management Plan* to manage the residual petroleum hydrocarbons at the site after closure by the ACHCSA.

CHARACTERIZATION STATUS

The extent of petroleum hydrocarbons in soil has been defined laterally. The extent of dissolved petroleum hydrocarbons in groundwater has not been fully defined.

REMEDIATION STATUS

A soil vapor extraction system previously operated. The system was turned off after obtaining permission from the Alameda County Health Care Services Agency.

WORK TO BE PERFORMED NEXT QUARTER

Continue the groundwater monitoring and sampling program. Submit a *Risk Management Plan* to ACHCSA.

WATER WELL SURVEY

Based on the water well survey conducted at the Department of Water Resources on May 19, 1997, there is only one water producing well within 1/2-mile of the site. An irrigation well is located approximately 650-feet north of the site. The predominant ground water flow direction is to the northwest.