Texaco Refining and Marketing Inc
105 Cutting Boulevard
Richmond CA 94804

October 9, 1995

Rec'd Oct 13, 1995

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

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 August 21, 1995, at the site referenced above (see Plate 1, Site Vicinity Map). Based on groundwater level measurements, the areal hydraulic gradient was estimated to be north-northeast (see Plate 2, Groundwater Gradient Map) at 0.07 ft. per ft. The gradient map has been reviewed by a registered professional. 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 Environmental Services' Standard Operating Procedures may be found in Texaco's fourth quarter, 1994 monitoring report.

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

Best Regards,

Rebecca Digerness
Environmental Assistant

Karen E. Petryna
Engineer
Texaco Environmental Services

RBD:hs
C:\QMR\930S\QMR.LET

Enclosures

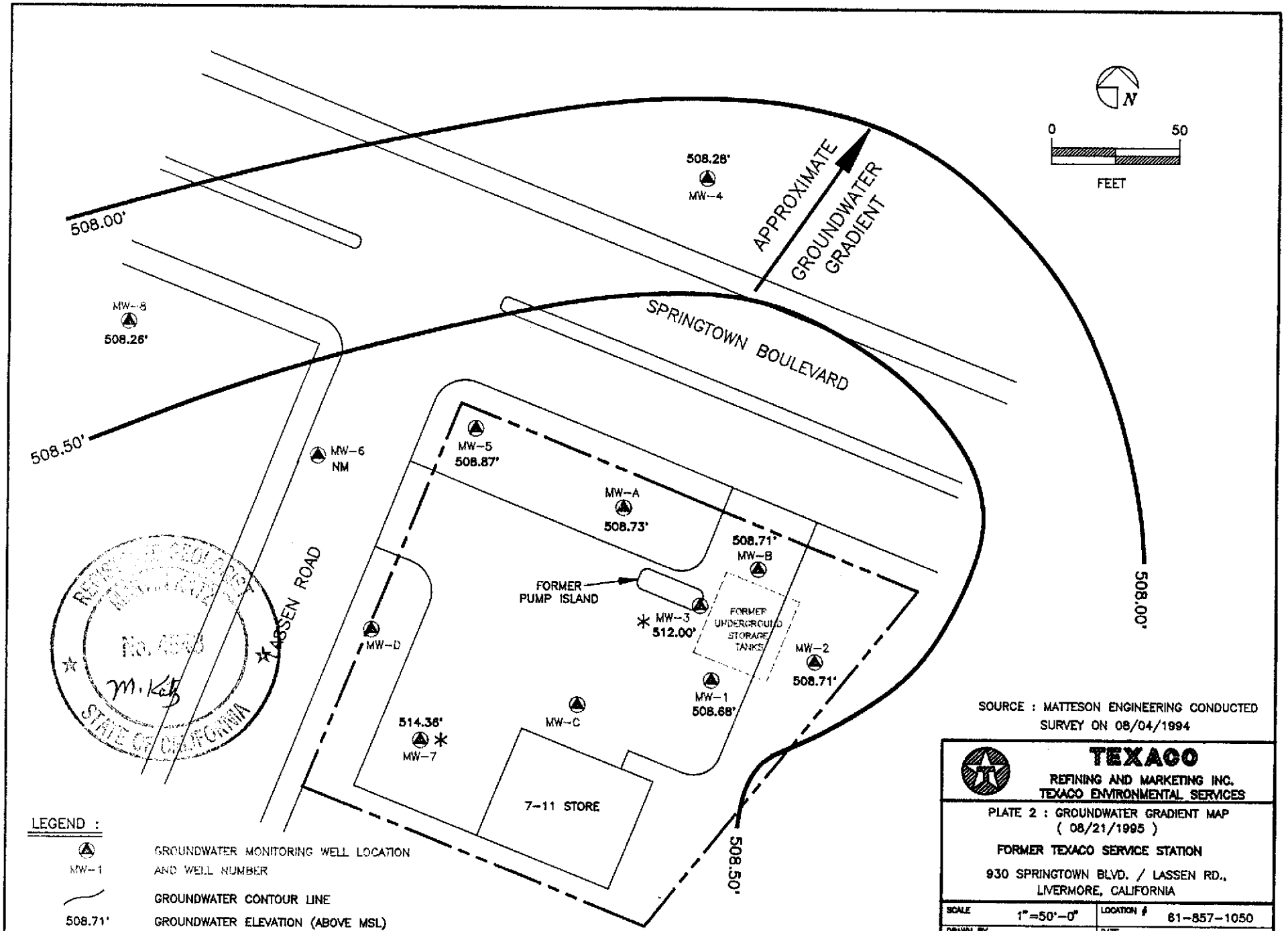
cc: Timothy Ross
Kaprealian Engineering, Inc.
2401 Stanwell Dr., Suite 400
Concord, CA 94520

Mr. Robert Vasquez
The Southland Corporation
3146 Gold Drive, Suite 300
Rancho Cordova, CA 95670

RAOFile-UCPFile (w/enclosures) RRZielinski (w/o enclosures)

pr: KEP

GROUNDWATER MONITORING AND SAMPLING
Third Quarter, 1995
at the
Former Texaco Service Station
930 Springtown Boulevard
Livermore, California



LEGEND :

MW-1	GROUNDWATER MONITORING WELL LOCATION AND WELL NUMBER
508.71'	GROUNDWATER CONTOUR LINE
NM	GROUNDWATER ELEVATION (ABOVE MSL)
*	WELL NOT MONITORED
	ANOMALOUS DATA POINT

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

TEXACO

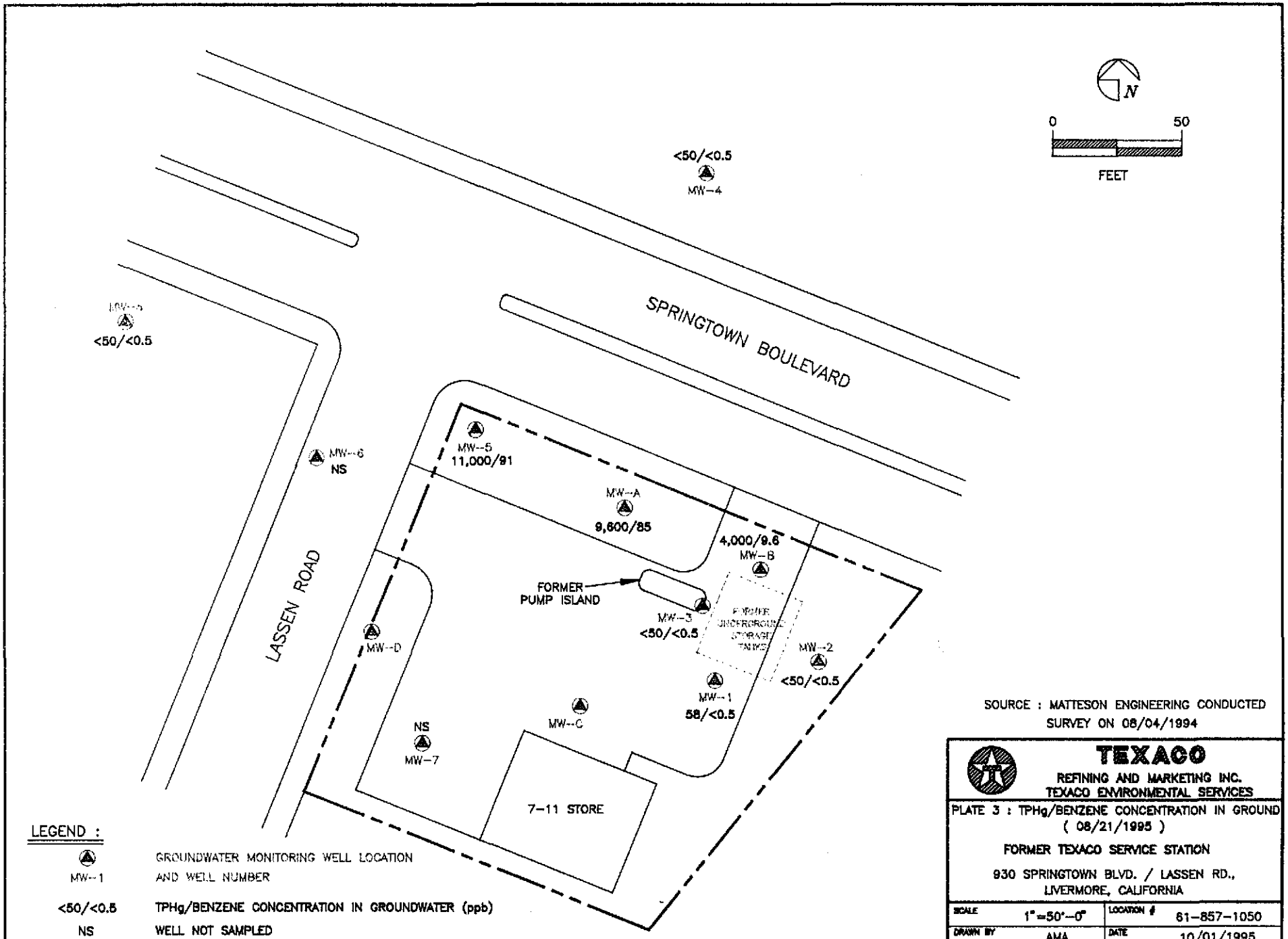
REFINING AND MARKETING INC.
TEXACO ENVIRONMENTAL SERVICES

PLATE 2 : GROUNDWATER GRADIENT MAP
(08/21/1995)

FORMER TEXACO SERVICE STATION

930 SPRINGTOWN BLVD. / LASSEN RD.,
LIVERMORE, CALIFORNIA

SCALE	1"=50'-0"	LOCATION #	61-857-1050
DRAWN BY	AMA	DATE	10/01/1995
CHECKED BY	KD	DATE	10/2/95
DRAWING NO.	(LIVERMORE) ST-LA-LI.DWG		



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

TEXACO

REFINING AND MARKETING INC.
TEXACO ENVIRONMENTAL SERVICES

PLATE 3 : TPHg/BENZENE CONCENTRATION IN GROUND (08/21/1995)

FORMER TEXACO SERVICE STATION

930 SPRINGTOWN BLVD. / LASSEN RD.,
LIVERMORE, CALIFORNIA

SCALE	1"=50'-0"	LOCATION #	61-857-1050
DRAWN BY	AMA	DATE	10/01/1995
CHECKED BY	RD	DATE	10/2/95
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						
	1/10/91	519.85				
	1/2/92			13.61	506.24	---
	4/2/92			12.44	507.41	---
	7/21/92			13.35	506.50	---
	10/9/92			12.92	506.93	SD
	1/11/93			11.78	508.07	SD
	5/5/93			11.39	508.46	SD
	8/9/93			12.80	507.05	SD
	10/14/93			13.48	506.37	SD
	1/24/94			12.74	507.11	SD
	5/31/94			12.28	507.57	---
	8/31/94	520.10	*	13.20	506.90	SD
	11/2/94			13.15	506.95	SD
	2/20/95			11.71	508.39	---
	5/9/95			12.37	507.73	---
	8/21/95			11.37	508.73	---
MW-B						
	1/10/91	518.16				
	1/2/92			11.27	506.89	---
	4/2/92			10.18	507.98	---
	7/21/92			11.27	506.89	---
	10/9/92			11.64	506.52	SD
	1/11/93			9.65	508.51	SD
	5/5/93			9.28	508.88	SD
	8/9/93			11.02	507.14	SD
	10/14/93			11.34	506.82	SD
	1/24/94			10.54	507.62	SD
	5/31/94			10.19	507.97	---
	8/31/94	518.05	*	10.98	507.07	SD
	11/2/94			10.90	507.15	SD
	2/20/95			9.47	508.58	---
	5/9/95			10.58	507.47	---
	8/21/95			9.34	508.71	---

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-1						
	1/10/91	520.76				
	1/2/92			14.11	506.65	---
	4/2/92			12.98	507.78	---
	7/21/92			13.92	506.84	---
	10/9/92			14.25	506.51	---
	1/11/93			12.30	508.46	---
	5/5/93			11.88	508.88	---
	8/9/93			13.63	507.13	---
	10/14/93			13.91	506.85	---
	1/24/93			13.12	507.64	---
	5/31/94			12.74	508.02	---
	8/31/94	520.61	*	13.68	506.93	---
	11/2/94			13.48	507.13	---
	2/20/95			12.02	508.59	---
	5/9/95			12.83	507.78	---
	8/21/95			11.93	508.68	---
MW-2						
	1/10/91	518.46				
	1/2/92			11.96	506.50	---
	4/2/92			10.89	507.57	---
	7/21/92			11.55	506.91	---
	10/9/92			Not Monitored		
	1/11/93			Not Monitored		
	5/5/93			Not Monitored		
	8/9/93			Not Monitored		
	10/14/93			Not Monitored		
	1/24/94			Not Monitored		
	5/31/94			10.37	508.09	---
	8/31/94	518.29	*	11.16	507.13	---
	11/2/94			11.07	507.22	---
	2/20/95			9.66	508.63	---
	5/9/95			10.14	508.15	---
	8/21/95			9.58	508.71	---

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-3						
	1/10/91	519.30				
	1/2/92			12.87	506.43	—
	4/2/92			11.97	507.33	—
	7/21/92			12.60	506.70	—
	10/9/92			12.93	506.37	—
	1/11/93			11.16	508.14	—
	5/5/93			10.72	508.58	—
	8/9/93			12.34	506.96	—
	10/14/93			12.71	506.59	—
	1/24/94			12.03	507.27	—
	5/31/94			11.54	507.76	—
	8/31/94	519.60	*	12.60	507.00	—
	11/2/94			12.16	507.44	—
	2/20/95			11.05	508.55	—
	5/9/95			11.97	507.63	—
	8/21/95			7.60	512.00	—
MW-4						
	1/10/91	518.75				
	1/2/92			12.22	506.53	—
	4/2/92			11.03	507.72	—
	7/21/92			12.36	506.39	—
	10/9/92			12.40	506.35	—
	1/11/93			10.72	508.03	—
	5/5/93			10.21	508.54	—
	8/9/93			12.25	506.50	—
	10/14/93			12.58	506.17	—
	1/24/94			11.72	507.03	—
	5/31/94			11.29	507.46	—
	8/31/94	518.79	*	12.00	506.79	—
	11/2/94			11.96	506.83	—
	2/20/95			10.42	508.37	—
	5/9/95			11.22	507.57	—
	8/21/95			10.51	508.28	—

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						
	1/10/91	520.50				
	1/2/92			14.56	505.94	---
	4/2/92			13.58	506.92	---
	7/21/92			13.77	506.73	---
	10/9/92			14.09	506.41	---
	1/11/93			12.24	508.26	---
	5/5/93			11.90	508.60	---
	8/9/93			13.35	507.15	---
	10/14/93			13.89	506.61	---
	1/24/94			13.32	507.18	---
	5/31/94			12.75	507.75	---
	8/31/94	521.19	*	14.34	506.85	---
	11/2/94			14.22	506.97	---
	2/20/95			12.78	508.41	SD
	5/9/95			13.41	507.78	---
	8/21/95			12.32	508.87	---
MW-6						
	1/10/91	522.26				
	1/2/92			16.64	505.62	---
	4/2/91			15.61	506.65	---
	7/21/92			15.53	506.73	---
	10/9/92			15.69	506.57	---
	1/11/93			Not Monitored		
	5/5/93			Not Monitored		
	8/9/93			14.50	507.76	---
	10/14/93			Not Monitored		
	1/24/94			15.09	507.17	---
	5/31/94			14.64	507.62	---
	8/31/94	522.18	*	15.32	506.86	---
	11/2/94			15.32	506.86	---
	2/20/95			14.07	508.11	---
	5/9/95			14.30	507.88	---
	8/21/95			Well Inaccessible		

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						
	1/10/91	522.17				
	1/2/92			11.17	511.00	---
	4/2/92			10.34	511.83	---
	7/21/92			9.02	513.15	---
	10/9/92			Not Monitored		
	1/11/93			Not Monitored		
	5/5/93			Not Monitored		
	8/9/93			Not Monitored		
	10/14/93			Not Monitored		
	1/24/94			Not Monitored		
	5/31/94			9.42	512.75	---
	8/31/94	522.19	*	6.84	515.35	---
	11/2/94			6.48	515.71	---
	2/20/95			7.71	514.48	---
	5/9/95			7.65	514.54	---
	8/21/95			7.83	514.36	---
MW-8						
	1/10/91	524.04				
	1/2/92			18.42	505.62	---
	4/2/92			17.39	506.65	---
	7/21/92			14.02	510.02	---
	10/9/92			Not Monitored		
	1/11/93			Not Monitored		
	5/5/93			Not Monitored		
	8/9/93			Not Monitored		
	10/14/93			Not Monitored		
	1/24/94			Not Monitored		
	5/31/94			19.65	504.39	---
	8/31/94	524.03	*	17.40	506.63	---
	11/2/94			17.38	506.65	---
	2/20/95			15.99	508.04	---
	5/9/95			16.54	507.49	---
	8/21/95			15.77	508.26	---
*Wells resurveyed on 8/4/94						
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							
	1/2/92	SP	SP	SP	SP	SP	NA
	4/2/92	27,000	1,200	570	1,700	2,300	NA
	7/21/92	57,000	1,500	1,800	2,700	7,100	NA
	10/9/92	56,000	2,900	2,600	4,600	12,000	NA
	1/11/93	NS	NS	NS	NS	NS	NA
	5/5/93	NS	NS	NS	NS	NS	NA
	8/9/93	NS	NS	NS	NS	NS	NA
	10/14/93	NS	NS	NS	NS	NS	NA
	1/24/94	1,400,000	6,900	2,100	15,000	38,000	NA
	5/31/94	48,000	1,200	900	1,900	4,200	NA
	8/31/94	24,000	140	120	830	1,500	NA
	11/2/94	15,000	230	360	1,100	1,800	NA
	2/20/95	12,000	290	330	570	1,300	NA
	5/9/95	1,200	6.1	5.9	12	15	NA
	8/21/95	9,600	85	140	250	860	160
MW-B							
	1/2/92	SP	SP	SP	SP	SP	NA
	4/2/92	1,900	ND	39	24	35	NA
	7/21/92	16,000	180	1,600	270	1,100	NA
	10/9/92	38,000	490	8,300	1,400	5,100	NA
	1/11/93	NS	NS	NS	NS	NS	NA
	5/5/93	NS	NS	NS	NS	NS	NA
	8/9/93	NS	NS	NS	NS	NS	NA
	10/14/93	NS	NS	NS	NS	NS	NA
	1/24/94	23,000	110	1,700	600	1,900	NA
	5/31/94	13,000	780	310	370	1,400	NA
	8/31/94	35,000	160	2,800	1,000	4,500	NA
	11/2/94	2,500	170	3,200	1,100	4,700	NA
	2/20/95	10,000	46	1,400	330	1,200	NA
	5/9/95	4,100	9.1	47	26	30	NA
	8/21/95	4,000	9.6	110	120	270	98

Start of WE

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							
	1/2/92	16	6	ND	ND	ND	NA
	4/2/92	ND	ND	ND	ND	ND	NA
	7/21/92	<50	3.2	<0.5	<0.5	<0.5	NA
	10/9/92	<50	8.5	<0.5	<0.5	<0.5	NA
	1/11/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/5/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	8/9/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	10/14/93	440	16	2.9	2.9	11	NA
	5/31/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	8/31/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/2/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/20/95	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/9/95	450	22	25	23	100	NA
	8/21/95	58	<0.5	1.5	1.8	4.5	<10
MW-2							
	1/2/92	ND	ND	ND	ND	ND	NA
	4/2/91	ND	ND	ND	ND	ND	NA
	7/21/92	NS	NS	NS	NS	NS	NA
	10/9/92	NS	NS	NS	NS	NS	NA
	1/11/93	NS	NS	NS	NS	NS	NA
	5/5/93	NS	NS	NS	NS	NS	NA
	8/9/93	NS	NS	NS	NS	NS	NA
	10/14/93	NS	NS	NS	NS	NS	NA
	1/24/94	NS	NS	NS	NS	NS	NA
	5/31/94	NS	NS	NS	NS	NS	NA
	8/31/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/2/94	NS	NS	NS	NS	NS	NA
	2/20/95	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/9/95	NS	NS	NS	NS	NS	NA
	8/21/95	<50	<0.5	<0.5	<0.5	<0.5	<10

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							
	1/2/92	340	0.4	ND	ND	ND	NA
	4/2/92	160	5	ND	0.3	0.5	NA
	7/21/92	260	1.7	<0.5	<0.5	<0.5	NA
	10/9/92	88	<0.5	<0.5	<0.5	<0.5	NA
	1/11/93	130	<0.5	<0.5	<0.5	<0.5	NA
	5/5/93	340	1.8	<0.5	1.3	<0.5	NA
	8/9/93	610	18	<0.5	2.4	0.9	NA
	10/14/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	1/24/94	320	3.5	<0.5	<0.5	<0.5	NA
	5/31/94	830	11	12	5.0	1.2	NA
	8/31/94	660	2	<0.5	1	<0.5	NA
	11/2/94	1,500	260	36	34	76	NA
	2/20/95	410	1.2	1.9	1.4	2.2	NA
	5/9/95	730	23	43	21	95	NA
	8/21/95	<50	<0.5	<0.5	<0.5	<0.5	<10
MW-4							
	1/2/92	ND	ND	ND	ND	ND	NA
	4/2/92	ND	ND	ND	ND	ND	NA
	7/21/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	10/9/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	1/11/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/5/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	8/9/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	10/14/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	1/24/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/31/94	NS	NS	NS	NS	NS	NA
	8/31/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/2/94	NS	NS	NS	NS	NS	NA
	2/20/95	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/9/95	NS	NS	NS	NS	NS	NA
	8/21/95	<50	<0.5	<0.5	<0.5	<0.5	<10

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							
	1/2/92	1,800	74	41	84	94	NA
	4/2/92	ND	ND	ND	ND	ND	NA
	7/21/92	1,000	69	16	40	31	NA
	10/9/92	3,400	890	51	110	110	NA
	1/11/93	15,000	460	110	900	370	NA
	5/5/93	4,500	160	19	280	110	NA
	8/9/93	2,300	180	19	130	80	NA
	10/14/93	2,200	160	27	90	64	NA
	1/24/94	2,600	69	11	65	25	NA
	5/31/94	3,100	130	64	140	120	NA
	8/31/94	600	20	2.9	14	7.1	NA
	11/2/94	2,300	68	18	52	54	NA
	2/20/95	12,000	130	<30	240	138	NA
	5/9/95	2,500	57	60	54	37	NA
	8/21/95	11,000	91	28	140	120	<100
MW-6							
	1/2/92	23	ND	0.3	0.6	3	NA
	4/2/92	ND	ND	ND	ND	ND	NA
	7/21/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	10/9/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	1/11/93	NS	NS	NS	NS	NS	NA
	5/5/93	NS	NS	NS	NS	NS	NA
	8/9/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	10/14/93	NS	NS	NS	NS	NS	NA
	1/24/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/31/94	NS	NS	NS	NS	NS	NA
	8/31/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/2/94	NS	NS	NS	NS	NS	NA
	2/20/95	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/9/95	NS	NS	NS	NS	NS	NA
	8/21/95	NS	NS	NS	NS	NS	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-7							
	1/2/92	NS	NS	NS	NS	NS	NA
	4/2/92	ND	ND	ND	ND	ND	NA
	7/21/92 - 8/21/95	NS	NS	NS	NS	NS	NA
MW-8							
	1/2/92	12,000	32	980	200	760	NA
	4/2/92	ND	ND	ND	ND	ND	NA
	7/21/92	NS	NS	NS	NS	NS	NA
	10/9/93	NS	NS	NS	NS	NS	NA
	1/11/93	NS	NS	NS	NS	NS	NA
	5/5/93	NS	NS	NS	NS	NS	NA
	8/9/93	NS	NS	NS	NS	NS	NA
	10/14/93	NS	NS	NS	NS	NS	NA
	1/24/94	NS	NS	NS	NS	NS	NA
	5/31/94	NS	NS	NS	NS	NS	NA
	8/31/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/2/94	NS	NS	NS	NS	NS	NA
	2/20/95	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/9/95	NS	NS	NS	NS	NS	NA
	8/21/95	<50	<0.5	<0.5	0.67	0.62	<10

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

B C Analytical

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

ANALYTICAL REPORT

LOG NO: G95-08-417

Received: 23 AUG 95

Mailed: AUG 31 1995

Ms. Rebecca Digerness
Texaco Environmental Services
108 Cutting Boulevard
Richmond, CA 94804

Purchase Order: 94-1446346+4370

Requisition: 618571050
Project: FKEP1012L

CC: Mr. Timothy Ross

REPORT OF ANALYTICAL RESULTS

AQUEOUS

SAMPLE DESCRIPTION	DATE SAMPLED	TPH/BTEX (CADHS/8020) Date Analyzed Date	Dilution Factor Times	TPH-g ug/L	Benzene ug/L	Toluene ug/L	Ethyl-Benzene ug/L	Methyl-tert-butylether ug/L	Total Xylenes Isomers ug/L	Carbon Range
RDL			1	50	0.5	0.5	0.5	10	0.5	
1*MW A	08/21/95	08/28/95	1	9600	85	140	250	160	860	C6-C12
2*MW B	08/21/95	08/25/95	1	4000	9.6	110	120	98	270	C6-C12
3*MW 1	08/21/95	08/25/95	1	58	<0.5	1.5	1.8	<10	4.5	C6-C12
4*MW 2	08/21/95	08/25/95	1	<50	<0.5	<0.5	<0.5	<10	<0.5	C6-C12
5*MW 3	08/21/95	08/25/95	1	<50	<0.5	<0.5	<0.5	<10	<0.5	C6-C12
6*MW 4	08/21/95	08/25/95	1	<50	<0.5	<0.5	<0.5	<10	<0.5	C6-C12
7*MW 5	08/21/95	08/28/95	10	11000	91	28	140	<100	120	C6-C12
8*MW 8	08/21/95	08/26/95	1	<50	<0.5	<0.5	0.67	<10	0.62	C6-C12

B C Analytical

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

ANALYTICAL REPORT

LOG NO: G95-08-417

Received: 23 AUG 95

Ms. Rebecca Digerness
Texaco Environmental Services
108 Cutting Boulevard
Richmond, CA 94804

Purchase Order: 94-1446346+4370

Requisition: 618571050
Project: FKEP1012L

CC: Mr. Timothy Ross

REPORT OF ANALYTICAL RESULTS

AQUEOUS

SAMPLE DESCRIPTION	DATE SAMPLED	TPH/BTEX (CADHS/8020) Date Analyzed Date	Dilution Factor Times	TPH-g ug/L	Benzene ug/L	Toluene ug/L	Ethyl-Benzene ug/L	Methyl-tert-butylether ug/L	Total Xylenes Isomers ug/L	Carbon Range
RDL			1	50	0.5	0.5	0.5	10	0.5	
9*EB	08/21/95	08/26/95	1	<50	<0.5	<0.5	<0.5	<10	<0.5	C6-C12
10*TB	08/21/95	08/24/95	1	<50	<0.5	<0.5	<0.5	<10	<0.5	C6-C12

Karen Petryna
930 Springtown Blvd., Livermore
Alameda County

Jane Freemyer, Program Manager

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

: ORDER PLACED FOR CLIENT: Texaco Environmental Services 9508417 :
: BC ANALYTICAL : GLEN LAB : 09:43:35 31 AUG 1995 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9508417*1	MW A	GAS.BTX.TESNC	08.28.95	8015M.TX	536-23	955102	8501
9508417*2	MW B	GAS.BTX.TESNC	08.25.95	8015M.TX	536-32	95812	8501
9508417*3	MW 1	GAS.BTX.TESNC	08.25.95	8015M.TX	536-32	95812	8501
9508417*4	MW 2	GAS.BTX.TESNC	08.25.95	8015M.TX	536-32	95812	8501
9508417*5	MW 3	GAS.BTX.TESNC	08.25.95	8015M.TX	536-32	95812	8501
9508417*6	MW 4	GAS.BTX.TESNC	08.25.95	8015M.TX	536-32	95812	8501
9508417*7	MW 5	GAS.BTX.TESNC	08.28.95	8015M.TX	536-23	955102	8501
9508417*8	MW 8	GAS.BTX.TESNC	08.26.95	8015M	536-21	95254	8501
9508417*9	EB	GAS.BTX.TESNC	08.26.95	8015M	536-21	95254	8501
9508417*10	TB	GAS.BTX.TESNC	08.24.95	8015M.TX	536-21	95250	8501

***

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

BC ANALYTICAL

ORDER QC REPORT FOR G9508417

DATE REPORTED : 08/31/95

LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER		DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
1. TPH/BTEX	C5082807*1						
Date Analyzed		08.29.95	955102	08/29/95	08/29/95	Date	N/A
Benzene		08.29.95	955102	15.7	15.2	ug/L	103
Toluene		08.29.95	955102	87.7	97.4	ug/L	90
Ethylbenzene		08.29.95	955102	17.9	20.4	ug/L	88
Total Xylene Isomers		08.29.95	955102	116	119	ug/L	97
TPH (Gasoline Range)		08.29.95	955102	1033	1100	ug/L	94
a,a,a-Trifluorotoluene	Rep.	08.29.95	955102	57.3	50.0	ug/L	115
a,a,a-Trifluorotoluene	Th.	08.29.95	955102	50.0	50.0	ug/L	100
2. TPH/BTEX	C5082723*1						
Date Analyzed		08.25.95	95812	08/25/95	08/25/95	Date	N/A
Benzene		08.25.95	95812	14.6	15.2	ug/L	96
Toluene		08.25.95	95812	81.6	97.4	ug/L	84
Ethylbenzene		08.25.95	95812	17.3	20.4	ug/L	85
Total Xylene Isomers		08.25.95	95812	106	119	ug/L	89
TPH (Gasoline Range)		08.25.95	95812	1070	1100	ug/L	97
a,a,a-Trifluorotoluene	Rep.	08.25.95	95812	64.5	50.0	ug/L	129 Q
a,a,a-Trifluorotoluene	Th.	08.25.95	95812	50.0	50.0	ug/L	100
3. TPH	C5082506*1						
Date Analyzed		08.26.95	95254	08/26/95	08/26/95	Date	N/A
Benzene		08.26.95	95254	14.8	15.2	ug/L	97
Toluene		08.26.95	95254	88.9	97.4	ug/L	91
Ethylbenzene		08.26.95	95254	17.6	20.4	ug/L	86
Total Xylene Isomers		08.26.95	95254	100	119	ug/L	84
TPH (Gasoline Range)		08.26.95	95254	1004	1100	ug/L	91
a,a,a-Trifluorotoluene	Rep.	08.26.95	95254	59.3	50.0	ug/L	119 Q
a,a,a-Trifluorotoluene	Th.	08.26.95	95254	50.0	50.0	ug/L	100
4. TPH	C5082371*1						
Date Analyzed		08.24.95	95250	08/24/95	08/24/95	Date	N/A
Benzene		08.24.95	95250	15.4	15.2	ug/L	101
Toluene		08.24.95	95250	91.9	97.4	ug/L	94
Ethylbenzene		08.24.95	95250	17.6	20.4	ug/L	86
Total Xylene Isomers		08.24.95	95250	99.3	119	ug/L	83
TPH (Gasoline Range)		08.24.95	95250	1020	1100	ug/L	93
a,a,a-Trifluorotoluene	Rep.	08.24.95	95250	48.9	50.0	ug/L	98
a,a,a-Trifluorotoluene	Th.	08.24.95	95250	50.0	50.0	ug/L	100

BC ANALYTICAL

ORDER QC REPORT FOR G9508417

DATE REPORTED : 08/31/95

MATRIX QC PRECISION (DUPLICATE SPIKES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	MS RESULT	MSD RESULT	UNIT	RELATIVE % DIFF
1. TPH/BTEX	9508400*7						
Date Analyzed		08.28.95	955102	08/28/95	08/28/95	Date	N/A
Benzene		08.28.95	955102	15.9	13.2	ug/L	19
Toluene		08.28.95	955102	74.4	74.8	ug/L	1
Ethylbenzene		08.28.95	955102	17.4	17.4	ug/L	0
Total Xylene Isomers		08.28.95	955102	97.2	97.4	ug/L	0
TPH (Gasoline Range)		08.28.95	955102	826	872	ug/L	5
a,a,a-Trifluorotoluene	Rep.	08.28.95	955102	54.1	52.9	ug/L	2
a,a,a-Trifluorotoluene	Th.	08.28.95	955102	50.0	50.0	ug/L	0
2. TPH/BTEX	9508312*5						
Date Analyzed		08.25.95	95812	08/25/95	08/25/95	Date	N/A
Benzene		08.25.95	95812	19.8	18.9	ug/L	5
Toluene		08.25.95	95812	80.0	76.5	ug/L	4
Ethylbenzene		08.25.95	95812	23.3	22.5	ug/L	3
Total Xylene Isomers		08.25.95	95812	139	134	ug/L	4
TPH (Gasoline Range)		08.25.95	95812	1130	1150	ug/L	2
a,a,a-Trifluorotoluene	Rep.	08.25.95	95812	69.3	66.2	ug/L	5
a,a,a-Trifluorotoluene	Th.	08.25.95	95812	50.0	50.0	ug/L	0
3. TPH	9508416*7						
Date Analyzed		08.26.95	95254	08/26/95	08/26/95	Date	N/A
Benzene		08.26.95	95254	14.6	14.3	ug/L	2
Toluene		08.26.95	95254	89.6	88.3	ug/L	1
Ethylbenzene		08.26.95	95254	17.2	17.0	ug/L	1
Total Xylene Isomers		08.26.95	95254	98.1	96.2	ug/L	2
TPH (Gasoline Range)		08.26.95	95254	1004	1031	ug/L	3
a,a,a-Trifluorotoluene	Rep.	08.26.95	95254	48.1	67.0	ug/L	33
a,a,a-Trifluorotoluene	Th.	08.26.95	95254	50.0	50.0	ug/L	0
4. TPH	9508375*4						
Date Analyzed		08.24.95	95250	08/24/95	08/24/95	Date	N/A
Benzene		08.24.95	95250	15.0	13.9	ug/L	8
Toluene		08.24.95	95250	91.7	81.0	ug/L	12
Ethylbenzene		08.24.95	95250	17.5	16.2	ug/L	8
Total Xylene Isomers		08.24.95	95250	98.0	90.3	ug/L	8
TPH (Gasoline Range)		08.24.95	95250	1020	1000	ug/L	2
a,a,a-Trifluorotoluene	Rep.	08.24.95	95250	67.3	69.8	ug/L	4
a,a,a-Trifluorotoluene	Th.	08.24.95	95250	50.0	50.0	ug/L	0

BC ANALYTICAL

ORDER QC REPORT FOR G9508417

DATE REPORTED : 08/31/95

MATRIX QC ACCURACY (SPIKES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	MS %	MSD %	TRUE RESULT	UNIT	
1. TPH	9508400*7							
Benzene		08.28.95	955102	101	83	15.7	ug/L	
Toluene		08.28.95	955102	76	77	97.4	ug/L	
Ethylbenzene		08.28.95	955102	85	85	20.4	ug/L	
Total Xylene Isomers		08.28.95	955102	82	82	119	ug/L	
TPH (Gasoline Range)		08.28.95	955102	75	79	1100	ug/L	
a,a,a-Trifluorotoluene	Rep.	08.28.95	955102	108	106	50.0	ug/L	
a,a,a-Trifluorotoluene	Th.	08.28.95	955102	100	100	50.0	ug/L	
2. TPH	9508312*5							
Benzene		08.25.95	95812	94	88	20.7	ug/L	
Toluene		08.25.95	95812	82	79	97.4	ug/L	
Ethylbenzene		08.25.95	95812	84	80	26.5	ug/L	
Total Xylene Isomers		08.25.95	95812	88	84	153	ug/L	
TPH (Gasoline Range)		08.25.95	95812	91	93	1230	ug/L	
a,a,a-Trifluorotoluene	Rep.	08.25.95	95812	139 Q	132 Q	50.0	ug/L	Q
a,a,a-Trifluorotoluene	Th.	08.25.95	95812	100	100	50.0	ug/L	
3. TPH	9508416*7							
Benzene		08.26.95	95254	96	94	15.2	ug/L	
Toluene		08.26.95	95254	92	91	97.4	ug/L	
Ethylbenzene		08.26.95	95254	84	83	20.4	ug/L	
Total Xylene Isomers		08.26.95	95254	82	81	119	ug/L	
TPH (Gasoline Range)		08.26.95	95254	91	94	1100	ug/L	
a,a,a-Trifluorotoluene	Rep.	08.26.95	95254	96	134 Q	50.0	ug/L	Q
a,a,a-Trifluorotoluene	Th.	08.26.95	95254	100	100	50.0	ug/L	
4. TPH	9508375*4							
Benzene		08.24.95	95250	95	87	15.8	ug/L	
Toluene		08.24.95	95250	92	81	99.4	ug/L	
Ethylbenzene		08.24.95	95250	84	77	20.8	ug/L	
Total Xylene Isomers		08.24.95	95250	81	74	121	ug/L	
TPH (Gasoline Range)		08.24.95	95250	93	91	1100	ug/L	
a,a,a-Trifluorotoluene	Rep.	08.24.95	95250	135	140	50.0	ug/L	
a,a,a-Trifluorotoluene	Th.	08.24.95	95250	100	100	50.0	ug/L	

BC ANALYTICAL

ORDER QC REPORT FOR G9508417

DATE REPORTED : 08/31/95

METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
1. TPH/BTEX B5081600*1						
Date Analyzed	08.28.95	955102	08/28/95	NA	Date	8015M
Benzene	08.28.95	955102	0	0.3	ug/L	8015M
Toluene	08.28.95	955102	0	0.3	ug/L	8015M
Ethylbenzene	08.28.95	955102	0	0.3	ug/L	8015M
Total Xylene Isomers	08.28.95	955102	0	0.6	ug/L	8015M
TPH (Gasoline Range)	08.28.95	955102	0	100	ug/L	8015M
a,a,a-Trifluorotoluene Rep.	08.28.95	955102	52.2	0.5	ug/L	8015M
a,a,a-Trifluorotoluene Th.	08.28.95	955102	50.0	NA	ug/L	8015M
2. TPH/BTEX B5081540*1						
Date Analyzed	08.25.95	95812	08/25/95	NA	Date	8015M
Benzene	08.25.95	95812	0	0.3	ug/L	8015M
Toluene	08.25.95	95812	0	0.3	ug/L	8015M
Ethylbenzene	08.25.95	95812	0	0.3	ug/L	8015M
Total Xylene Isomers	08.25.95	95812	0	0.6	ug/L	8015M
TPH (Gasoline Range)	08.25.95	95812	0	100	ug/L	8015M
a,a,a-Trifluorotoluene Rep.	08.25.95	95812	68.2 Q	0.5	ug/L	8015M
a,a,a-Trifluorotoluene Th.	08.25.95	95812	50.0	NA	ug/L	8015M
3. TPH B5081428*1						
Date Analyzed	08.26.95	95254	08/26/95	NA	Date	8015M
Benzene	08.26.95	95254	0.0	0.3	ug/L	8015M
Toluene	08.26.95	95254	0.067	0.3	ug/L	8015M
Ethylbenzene	08.26.95	95254	0.054	0.3	ug/L	8015M
Methyl-tert-butylether	08.26.95	95254	0.0	10	ug/L	8015M
Total Xylene Isomers	08.26.95	95254	0.22	0.6	ug/L	8015M
TPH (Gasoline Range)	08.26.95	95254	0.0	100	ug/L	8015M
a,a,a-Trifluorotoluene Rep.	08.26.95	95254	52.8	0.5	ug/L	8015M
a,a,a-Trifluorotoluene Th.	08.26.95	95254	50.0	NA	ug/L	8015M
4. TPH B5081352*1						
Date Analyzed	08.24.95	95250	08/24/95	NA	Date	8015M.TX
Benzene	08.24.95	95250	0	0.5	ug/L	8015M.TX
Toluene	08.24.95	95250	0.090	0.5	ug/L	8015M.TX
Ethylbenzene	08.24.95	95250	0	0.5	ug/L	8015M.TX
Methyl-tert-butylether	08.24.95	95250	0	NA	ug/L	8015M.TX
Total Xylene Isomers	08.24.95	95250	0.12	0.5	ug/L	8015M.TX
TPH (Gasoline Range)	08.24.95	95250	0	50	ug/L	8015M.TX
a,a,a-Trifluorotoluene Rep.	08.24.95	95250	55.6	NA	ug/L	8015M.TX
a,a,a-Trifluorotoluene Th.	08.24.95	95250	50.0	NA	ug/L	8015M.TX

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 09:44:35 31 AUG 1995 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9508417*1							
8015M.TX	a,a,a-Trifluorotoluene	Re955102	08/28/95	246	250	98	
9508417*2							
8015M.TX	a,a,a-Trifluorotoluene	Re95812	08/25/95	56.5	50.0	113	
9508417*3							
8015M.TX	a,a,a-Trifluorotoluene	Re95812	08/25/95	66.2	50.0	132	
9508417*4							
8015M.TX	a,a,a-Trifluorotoluene	Re95812	08/25/95	69.1	50.0	138	
9508417*5							
8015M.TX	a,a,a-Trifluorotoluene	Re95812	08/25/95	70.3	50.0	141	
9508417*6							
8015M.TX	a,a,a-Trifluorotoluene	Re95812	08/25/95	67.3	50.0	135	
9508417*7							
8015M.TX	a,a,a-Trifluorotoluene	Re955102	08/28/95	512	500	102	
9508417*8							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	52.0	50.0	104	
9508417*9							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	53.2	50.0	106	
9508417*10							
8015M.TX	a,a,a-Trifluorotoluene	Re95250	08/24/95	47.3	50.0	95	

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 09:44:41 31 AUG 1995 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9508312*5*R1							
8015M	a,a,a-Trifluorotoluene	Re95812	08/25/95	61.9	50.0	124	
9508312*5*S1							
8015M	a,a,a-Trifluorotoluene	Re95812	08/25/95	69.3	50.0	139	Q
9508312*5*S2							
8015M	a,a,a-Trifluorotoluene	Re95812	08/25/95	66.2	50.0	132	Q
9508312*5*T							
8015M	a,a,a-Trifluorotoluene	Re95812	08/25/95	50.0	50.0	100	
9508375*4*R1							
8015M.TX	a,a,a-Trifluorotoluene	Re95250	08/24/95	53.4	50.0	107	
9508375*4*S1							
8015M.TX	a,a,a-Trifluorotoluene	Re95250	08/24/95	67.3	50.0	135	
9508375*4*S2							
8015M.TX	a,a,a-Trifluorotoluene	Re95250	08/24/95	69.8	50.0	140	
9508375*4*T							
8015M.TX	a,a,a-Trifluorotoluene	Re95250	08/24/95	50.0	50.0	100	
9508400*7*R1							
8015M	a,a,a-Trifluorotoluene	Re955102	08/28/95	54.2	50.0	108	
9508400*7*S1							
8015M	a,a,a-Trifluorotoluene	Re955102	08/28/95	54.1	50.0	108	
9508400*7*S2							
8015M	a,a,a-Trifluorotoluene	Re955102	08/28/95	52.9	50.0	106	
9508400*7*T							
8015M	a,a,a-Trifluorotoluene	Re955102	08/28/95	50.0	50.0	100	
9508416*7*R1							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	59.4	50.0	119	
9508416*7*S1							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	48.1	50.0	96	

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 09:44:41 31 AUG 1995 - P. 2 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9508416*7*S2							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	67.0	50.0	134	Q
9508416*7*T							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	50.0	50.0	100	
B5081352*1*MB							
8015M.TX	a,a,a-Trifluorotoluene	Re95250	08/24/95	55.6	50.0	111	
B5081428*1*MB							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	52.8	50.0	106	
B5081540*1*MB							
8015M	a,a,a-Trifluorotoluene	Re95812	08/25/95	68.2	50.0	136	
B5081600*1*MB							
8015M	a,a,a-Trifluorotoluene	Re955102	08/28/95	52.2	50.0	104	
C5082371*1*LC							
8015M.TX	a,a,a-Trifluorotoluene	Re95250	08/24/95	48.9	50.0	98	
C5082371*1*LT							
8015M.TX	a,a,a-Trifluorotoluene	Re95250	08/24/95	50.0	50.0	100	
C5082506*1*LC							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	59.3	50.0	119	Q
C5082506*1*LT							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	50.0	50.0	100	
C5082723*1*LC							
8015M	a,a,a-Trifluorotoluene	Re95812	08/25/95	64.5	50.0	129	Q
C5082723*1*LT							
8015M	a,a,a-Trifluorotoluene	Re95812	08/25/95	50.0	50.0	100	
C5082807*1*LC							
8015M	a,a,a-Trifluorotoluene	Re955102	08/29/95	57.3	50.0	115	
C5082807*1*LT							
8015M	a,a,a-Trifluorotoluene	Re955102	08/29/95	50.0	50.0	100	

0420071+

Chain-of-Custody

Page 1 of 1

Texaco Environmental Services
108 Cutting Boulevard
Richmond, California 94804
Phone: (510) 236-3541
FAX: (510) 237-7821
Forward Results to the Attention of Rebecca Digerness
Texaco Project Corordinator: Karen Petryna

Site Name: Texaco Loc.# 618571050
Site Address: 930 Springtown Blvd. Livermore, CA
Contractor Project Number: 950821-A1
Contractor Name: Blaine Tech Services, Inc.
Address: 985 Timothy Dr., San Jose, CA 95133
Project Contact: Don Weltz
Phone/FAX: (408) 995-5535 / (408) 293-8773

Laboratory: B C Analytical
Turn Around Time: normal (10 day)
Samplers (PRINT NAME): RANDY VALENTINE
Sampler Signature: [signature]
Date Samples Collected: 8-21-95

Sample Number	Lab Sample Number	Date / Time Collected	No. of Containers	Type of Containers	Sample Matrix	Preservative	TPH gas/BTEX / MTBE	TPH Diesel	O&G/TRPH (418.1)	TPH Ex. (C8-C36+)	VOCs 8240/624	P. Halocarbons 8010/60	P. Aromatics 8020/602	Organic Lead			Comments
MW A		8-21 / 1015	3	VOA	W	HCl	X										-1
MW B		8-21 / 1150	3	VOA	W	HCl	X										-2
MW 1		8-21 / 1045	3	VOA	W	HCl	X										-3
MW 2		8-21 / 1020	3	VOA	W	HCl	X										-4
MW 3		8-21 / 1115	3	VOA	W	HCl	X										-5
MW 4		8-21 / 925	3	VOA	W	HCl	X										-6
MW 5		8-21 / 1240	3	VOA	W	HCl	X										-7
MW 8		8-21 / 950	3	VOA	W	HCl	X										-8
EB		8-21 / 930	3	VOA	W	HCl	X										-9
TB			2	VOA	W	HCl	X										-10

Comments: Cooler temp: 6°C; sample Cond: good
618571050
Alameda
KEP
FKEP1012L
cc. TimRoss

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
Randy Valentine	8-23-95	1400	Bill Rogers	8-23-95	200
Bill Rogers	8-23-95	400	Kimberly Eng	8/23/95	4:10
Kimberly Eng	8/23/95	5:30			

Method of Shipment:

Lab Comments:

Well Gauging Data

Project Name: TEXACO
Project Number: 950821-A1

Date: 8-21-95
Recorded By: RL

Well ID	TOC Elev.	DTB (ft. TOC)	Well Dia. (in.)	DTP (ft.)	DTW (ft.)	PT (ft.)	Comments
MW A		16.50	2		11.37		
MW B		21.40	2		9.34		
MW 1		25.53	4		11.93		
MW 2		22.50	4		9.58		
MW 3		24.65	4		7.60		
MW 4		25.03	4		10.51		
MW 5		28.12	2		12.32		
MW 6		INACCESSIBLE DUE TO AUTO					
MW 7		23.71	4		7.83		
MW 8		24.28	4		15.77		

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

Groundwater Sampling Form

Project Name TEXACO | Well No. MW-A
Project Number 950821-A1 | Well Type ☐ Monitor ☒ Extraction ☐ Other
Recorded By RV | Sampled by RV | Date 8-21-95

WELL PURGING

PURGE VOLUME

Well casing diameter
☒ 2-inch ☐ 4-inch ☐ Other
Well Total Depth (TD, ft. below TOC) 16.50
Depth to Water (WL, ft. below TOC) 11.37
Depth to free phase hydrocarbons (FP, ft. below TOC)
Number of well volumes to be purged
☒ 3 ☐ 10 ☐ Other

PURGE METHOD

☒ Bailer - Type DISP
☐ Pump - Type
☐ Other

PUMP INTAKE

☒ Near top Depth (ft)
☐ Near Bottom Depth (ft)
☐ Other
Pumping Rate gpm

PURGE VOLUME CALCULATION

5.13 (Water Column Length) x .17 (Multiplier) x 3 (No. Vols) = 2.6 gals CALCULATED PURGE VOLUME

MULTIPLIER (Casing Dia.[inches] = Gallons/linear ft)
2 = 0.17 | 3 = 0.38 | 4 = 0.66 | 4.5 = 0.83 | 5 = 1.02 | 6 = 1.5 | 8 = 2.6

3.0 gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENT Meter Type HYDAC

Time/Gallons	pH	Cond. (uomhos/cm)	Temp	deg C / deg F	Turbidity (NTU)	Color/Odor
1200 / 1.0	7.4	940	63.2	F	7200	
1204 / 2.0	7.6	900	60.5	F	7200	
1207 / 3.0	7.6	910	61.0	F	7200	
/						
/						
/						
/						
/						

Comments during well purge
Well Pumped dry: YES (NO)
Purge water storage/disposal ☐ Drummed onsite ☒ Other TRUCK

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled 8-21 / 1215

Bailer - Type ☒ DISP | Sample port ☐ | Other ☐

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type

Date/Time/% Recharge	pH	Cond. (uomhos/cm)	Temp	deg C / deg F	Turbidity (NTU)	Color/Odor
/ /						

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
	3	TPHG			
MW-A	40 mL	BTEX	HCl	BC	
	VOA	MTBE			

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

Groundwater Sampling Form

Project Name TEXACO
Project Number 958321-A1
Recorded By RV
Well No. MW B
Well Type [X] Monitor [X] Extraction [ ] Other
Sampled by RV
Date 8-21-95

WELL PURGING

PURGE VOLUME

Well casing diameter
[X] 2-inch [ ] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC) 21.40
Depth to Water (WL, ft. below TOC) 9.34
Depth to free phase hydrocarbons (FP, ft. below TOC)
Number of well volumes to be purged
[X] 3 [ ] 10 [ ] Other

PURGE METHOD

[X] Bailer - Type DISP
[ ] Pump - Type
[ ] Other

PUMP INTAKE

[X] Near top Depth (ft)
[ ] Near Bottom Depth (ft)
[ ] Other
Pumping Rate gpm

PURGE VOLUME CALCULATION

12.06 (Water Column Length) x .17 (Multiplier) x 3 (No. Vols) = 6.2 gals CALCULATED PURGE VOLUME

MULTIPLIER (Casing Dia.[inches] = Gallons/linear ft)
2 = 0.17 | 3 = 0.38 | 4 = 0.66 | 4.5 = 0.83 | 5 = 1.02 | 6 = 1.5 | 8 = 2.6

6.5 gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENT

Meter Type MYRON L

Time/Gallons	pH	Cond. (µmhos/cm)	Temp [ ] deg C [X] deg F	Turbidity (NTU)	Color/Odor
1127 / 2.0	7.2	1600	63.6	75.	
1132 / 4.0	7.4	1700	61.4	76.	
1138 / 6.5	7.3	1750	62.0	75.	
/					
/					
/					
/					
/					

Comments during well purge
Well Pumped dry: YES (NO)
Purge water storage/disposal [ ] Drummed onsite [X] Other TRUCK

WELL SAMPLING

SAMPLING METHOD

Date/Time Sampled 8-21 / 1150
Bailer - Type [X] DISP
Sample port [ ] Other [ ]

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS

Meter Type

Date/Time/% Recharge	pH	Cond. (µmhos/cm)	Temp [ ] deg C [ ] deg F	Turbidity (NTU)	Color/Odor
/ /					

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
	3	TPHG			
MW B	40mL	BTEX	HCl	BC	
	VOA	MTBE			

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

Groundwater Sampling Form

Project Name TEXACO | Well No. MW1

Project Number 950821-A1 | Well Type [X] Monitor [ ] Extraction [ ] Other

Recorded By RV | Sampled by RV | Date 8-21-95

WELL PURGING

PURGE VOLUME

Well casing diameter

[ ] 2-inch [X] 4-inch [ ] Other

Well Total Depth (TD, ft. below TOC) 25.53

Depth to Water (WL, ft. below TOC) 11.93

Depth to free phase hydrocarbons (FP, ft. below TOC)

Number of well volumes to be purged

[X] 3 [ ] 10 [ ] Other

PURGE METHOD

[ ] Bailer - Type

[X] Pump - Type ELEC-SUB

[ ] Other

PUMP INTAKE

[ ] Near top Depth (ft)

[X] Near Bottom Depth (ft)

[ ] Other

Pumping Rate 8 gpm

PURGE VOLUME CALCULATION

13.6 (Water Column Length) x .66 (Multiplier) x 3 (No. Vols) = 26.9 gals CALCULATED PURGE VOLUME

27.0 gals ACTUAL PURGE VOLUME

MULTIPLIER (Casing Dia.[inches] = Gallons/linear ft.)						
2 = 0.17	3 = 0.38	4 = 0.66	4.5 = 0.83	5 = 1.02	6 = 1.5	8 = 2.6

GROUNDWATER PARAMETER MEASUREMENT

Meter Type

Time/Gallons		pH	Cond. (uomhos/cm)	Temp [ ] deg C [X] deg F	Turbidity (NTU)	Color/Odor
1033	17.0	7.0	2100	63.0	7200	
1034	1 ?	6.9	2100	60.4	7200	
1036	1 27.0	6.9	2100	60.8	188.	
	/					
	/					
	/					
	/					
	/					

Comments during well purge

Well Pumped dry: YES (NO)

Purge water storage/disposal [ ] Drummed onsite [X] Other TEXACO

WELL SAMPLING

SAMPLING METHOD

Date/Time Sampled 8-21 / 1045

Bailer - Type [X] STEEL | Sample port [ ] | Other [ ]

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS

Meter Type

Date/Time/% Recharge		pH	Cond. (uomhos/cm)	Temp	[ ] deg C [ ] deg F	Turbidity (NTU)	Color/Odor
/	/						

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
	3	TPHG	HCl	BC	
MW1	40 mL	BTEX			
	VOA	MTBE			

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

Groundwater Sampling Form

Project Name TEXACO | Well No. MW2
Project Number 950821-A1 | Well Type [X] Monitor [ ] Extraction [ ] Other
Recorded By RV | Sampled by RV | Date 8-21-95

WELL PURGING

PURGE VOLUME

Well casing diameter
[ ] 2-inch [X] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC) 22.50
Depth to Water (WL, ft. below TOC) 9.58
Depth to free phase hydrocarbons (FP, ft. below TOC)
Number of well volumes to be purged
[X] 3 [ ] 10 [ ] Other

PURGE METHOD

[ ] Bailer - Type
[X] Pump - Type ELEC SUB
[ ] Other

PUMP INTAKE

[ ] Near top Depth (ft)
[ ] Near Bottom Depth (ft)
[ ] Other
Pumping Rate 8 gpm

PURGE VOLUME CALCULATION

12.92 (Water Column Length) x 1.66 (Multiplier) x 3 (No. Vols) = 25.6 gals CALCULATED PURGE VOLUME

MULTIPLIER (Casing Dia.[inches] = Gallons/linear ft)
2 = 0.17 | 3 = 0.38 | 4 = 0.65 | 4.5 = 0.83 | 5 = 1.02 | 6 = 1.5 | 8 = 2.6

27.0 gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENT Meter Type MYRON L

Time/Gallons	pH	Cond. (uomhos/cm)	Temp [X] deg F	Turbidity (NTU)	Color/Odor
1003 / 9.0	7.1	1600	60.6	7200	
1004 / 18.0	7.2	1600	60.0	7200	
1006 / 27.0	7.2	1600	59.6	>200	
/					
/					
/					
/					
/					

Comments during well purge
Well Pumped dry: YES (NO) Purge water storage/disposal [ ] Drummed onsite [X] Other TRUCK

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled 8-21 / 1020
Bailer - Type [X] STEEL Sample port [ ] Other [ ]

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type

Date/Time/% Recharge	pH	Cond. (uomhos/cm)	Temp [ ] deg F	Turbidity (NTU)	Color/Odor
/ /					

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
	3	TPHG			
MW2	40 ml	BTEX	HCl	BC	
	VOA	MTBE			

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

Groundwater Sampling Form

Project Name TEXACO | Well No. MW3
Project Number 950521-A1 | Well Type [X] Monitor [X] Extraction [ ] Other
Recorded By PV | Sampled by PV | Date 8-21-95

WELL PURGING

PURGE VOLUME

Well casing diameter
[ ] 2-inch [X] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC) 27.65
Depth to Water (WL, ft. below TOC) 7.60
Depth to free phase hydrocarbons (FP, ft. below TOC)
Number of well volumes to be purged
[X] 3 [ ] 10 [ ] Other

PURGE METHOD

[ ] Bailer - Type
[X] Pump - Type ELEC SUB
[ ] Other

PUMP INTAKE

[ ] Near top Depth (ft)
[X] Near Bottom Depth (ft)
[ ] Other
Pumping Rate 8 gpm

PURGE VOLUME CALCULATION

17.05 (Water Column Length) x .66 (Multiplier) x 3 (No. Vols) = 33.7 gals CALCULATED PURGE VOLUME

36.0 gals ACTUAL PURGE VOLUME

MULTIPLIER (Casing Dia [inches] = Gallons/linear ft)
2 = 0.17 | 3 = 0.38 | 4 = 0.66 | 4.5 = 0.83 | 5 = 1.02 | 6 = 1.5 | 8 = 2.6

GROUNDWATER PARAMETER MEASUREMENT

Meter Type MYRON L

Time/Gallons	pH	Cond. (uomhos/cm)	Temp	deg C / deg F	Turbidity (NTU)	Color/Odor
1055 / 12.0	6.9	1800	65.5	F	7200	
1100 / 24.0	7.0	1800	66.4	F	192.	
1102 / 36.0	7.0	1800	66.4	F	190.	
/						
/						
/						
/						
/						

Comments during well purge
Well Pumped dry: YES (NO) Purge water storage/disposal [ ] Drummed onsite [X] Other TRUCK

WELL SAMPLING

SAMPLING METHOD

Date/Time Sampled 8-21 / 1115
Bailer - Type [X] STEEL Sample port [ ] Other [ ]

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS

Meter Type

Date/Time/% Recharge	pH	Cond. (uomhos/cm)	Temp	deg C / deg F	Turbidity (NTU)	Color/Odor
/ /						

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
MW3	3 / 40 ML VOA	TPHG / BTEX / MTBE	HCl	BC	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

Groundwater Sampling Form

Project Name: TEXACO | Well No.: MW 4
Project Number: 950821-M1 | Well Type: [X] Monitor [ ] Extraction [ ] Other
Recorded By: AV | Sampled by: AV | Date: 8-21-95

WELL PURGING

PURGE VOLUME

Well casing diameter
[ ] 2-inch [X] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC): 25.03
Depth to Water (WL, ft. below TOC): 10.51
Depth to free phase hydrocarbons (FP, ft. below TOC):
Number of well volumes to be purged
[X] 3 [ ] 10 [ ] Other

PURGE METHOD

[ ] Bailer - Type
[X] Pump - Type: ELEC. SUB
[ ] Other

PUMP INTAKE

[ ] Near top Depth (ft)
[X] Near Bottom Depth (ft)
[ ] Other
Pumping Rate: gpm

PURGE VOLUME CALCULATION

14.52 (Water Column Length) x 1.66 (Multiplier) x 3 (No. Vols) = 28.7 gals CALCULATED PURGE VOLUME

MULTIPLIER (Casing Dia.[inches] = Gallons/linear ft)
2 = 0.17 | 3 = 0.38 | 4 = 0.66 | 4.5 = 0.83 | 5 = 1.02 | 6 = 1.5 | 8 = 2.6

30.0 gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENT

Meter Type: MYRON L

Time/Gallons	pH	Cond. (uomhos/cm)	Temp	[ ] deg C [X] deg F	Turbidity (NTU)	Color/Odor
912 / 10.0	7.3	1200	63.0		164	
914 / 20.0	7.1	1100	62.4		>200	
916 / 30.0	7.1	1100	62.6		>200	
/						
/						
/						
/						
/						

Comments during well purge
Well Pumped dry: YES (NO)
Purge water storage/disposal: [ ] Drummed onsite [X] Other: TRUCK

WELL SAMPLING

SAMPLING METHOD

Date/Time Sampled: 8-21 / 925
Bailer - Type: [X] ~~PTFE~~ STEEL
Sample port [ ] Other [ ]

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS

Meter Type:

Date/Time/% Recharge	pH	Cond. (uomhos/cm)	Temp	[ ] deg C [ ] deg F	Turbidity (NTU)	Color/Odor
/ /						

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
	3	TPHG			
MW 8	40 mL	BTEX	HCl	BC	
	VOA	MTBE			

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	EB @ 935
Transfer	
Other:	

Groundwater Sampling Form

Project Name: TEXACO | Well No.: MW5
Project Number: 950821-A1 | Well Type: ☐ Monitor ☒ Extraction ☐ Other
Recorded By: RV | Sampled by: RV | Date: 8-21-95

WELL PURGING

PURGE VOLUME

Well casing diameter
☒ 2-inch ☐ 4-inch ☐ Other
Well Total Depth (TD, ft. below TOC): 28.12
Depth to Water (WL, ft. below TOC): 12.32
Depth to free phase hydrocarbons (FP, ft. below TOC):
Number of well volumes to be purged
☒ 3 ☐ 10 ☐ Other

PURGE METHOD

☒ Bailer - Type: PVC
☐ Pump - Type:
☐ Other:

PUMP INTAKE

☒ Near top Depth (ft):
☐ Near Bottom Depth (ft):
☐ Other:

Pumping Rate: ____ gpm

PURGE VOLUME CALCULATION

15.8 (Water Column Length) x .17 (Multiplier) x 3 (No. Vols) = 8.0 gals — CALCULATED PURGE VOLUME

MULTIPLIER (Casing Dia [inches] = Gallons/linear ft)
2 = 0.17 | 3 = 0.38 | 4 = 0.66 | 4.5 = 0.83 | 5 = 1.02 | 6 = 1.5 | 8 = 2.6

8.0 gals — ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENT

Meter Type: MYRON L

Time/Gallons	pH	Cond. (uomhos/cm)	Temp ☐ deg C ☒ deg F	Turbidity (NTU)	Color/Odor
1221 / 3.0	7.2	1000	61.4	>200	
1226 / 6.0	7.2	1100	60.0	>200	
1230 / 8.0	7.3	1200	60.2	>200	
/					
/					
/					
/					
/					

Comments during well purge:
Well Pumped dry: YES (NO)
Purge water storage/disposal: ☐ Drummed onsite ☒ Other: TRUCK

WELL SAMPLING

SAMPLING METHOD

Date/Time Sampled: 8-21 / 1240
Bailer - Type: ☒ DISP
Sample port ☐ Other ☐

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS

Meter Type:

Date/Time/% Recharge	pH	Cond. (uomhos/cm)	Temp ☐ deg C ☐ deg F	Turbidity (NTU)	Color/Odor
/ /					

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
	3	TPHG			
MW5	40ML	~~BTEX~~	HCl	BC	
	VOA	MTBE			

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

Groundwater Sampling Form

Project Name TEXACO Well No. MW6

Project Number 950821-A1 Well Type [X] Monitor [ ] Extraction [ ] Other ____

Recorded By [illegible] Sampled by ____ Date 8-21-95

WELL PURGING

PURGE VOLUME

Well casing diameter

[ ] 2-inch [ ] 4-inch [ ] Other ____

Well Total Depth (TD, ft. below TOC) ____

Depth to Water (WL, ft. below TOC)

Depth to free phase hydrocarbons (FP, ft. below TOC)

Number of well volumes to be purged

[ ] 3 [ ] 10 [ ] Other ____

PURGE METHOD

[ ] Bailer - Type ____

[ ] Pump - Type ____

[ ] Other ____

PUMP INTAKE

[ ] Near top Depth (ft) ____

[ ] Near Bottom Depth (ft) ____

[ ] Other ____

Pumping Rate ____ gpm

PURGE VOLUME CALCULATION

____ X ____ X ____ = ____ gals

Water Column Length | Multiplier | No. Vols | CALCULATED PURGE VOLUME

MULTIPLIER (Casing Dia.[inches] = Gallons/linear ft)

2 = 0.17 | 3 = 0.38 | 4 = 0.65 | 4.5 = 0.83 | 5 = 1.02 | 6 = 1.5 | 8 = 2.6

____ gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENT

Meter Type ____

Time/Gallons	pH	Cond. (uombos/cm)	Temp [ ] deg C [ ] deg F	Turbidity (NTU)	Color/Odor
CHECKED @ ARRIVAL & DEPARTURE & @ 1405	INACCESSIBLE			DUE	TO
SAME YELLOW TRUK PARKED.	AUTO PARKED ON TOP				OF
/	WELL				
/					
/					
/					

Comments during well purge ____

Well Pumped dry: YES NO Purge water storage/disposal [ ] Drummed onsite [ ] Other ____

WELL SAMPLING

SAMPLING METHOD

Date/Time Sampled / /

Bailer - Type [ ] ____ Sample port [ ] Other [ ] ____

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS

Meter Type ____

Date/Time/% Recharge	pH	Cond. (uombos/cm)	Temp [ ] deg C [ ] deg F	Turbidity (NTU)	Color/Odor
/ /					

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

Groundwater Sampling Form

Project Name: TEXACO | Well No.: MW8
Project Number: 950821-A1 | Well Type: [X] Monitor [ ] Extraction [ ] Other
Recorded By: RV | Sampled by: RV | Date: 8-21-95

WELL PURGING

PURGE VOLUME

Well casing diameter
[ ] 2-inch [X] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC): 24.28
Depth to Water (WL, ft. below TOC): 15.77
Depth to free phase hydrocarbons (FP, ft. below TOC):
Number of well volumes to be purged
[X] 3 [ ] 10 [ ] Other

PURGE METHOD

[ ] Bailer - Type
[X] Pump - Type: ELEC. SUB
[ ] Other

PUMP INTAKE

[ ] Near top Depth (ft):
[X] Near Bottom Depth (ft):
[ ] Other
Pumping Rate: 8 gpm

PURGE VOLUME CALCULATION

8.51 (Water Column Length) x 1.66 (Multiplier) x 3 (No. Vols) = 16.8 gals CALCULATED PURGE VOLUME

MULTIPLIER (Casing Dia. [inches] = Gallons/linear ft)
2 = 0.17 | 3 = 0.38 | 4 = 0.66 | 4.5 = 0.83 | 5 = 1.02 | 6 = 1.5 | 8 = 2.6

18.0 gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENT

Meter Type: HORIBA U

Time/Gallons	pH	Cond. (uomhos/cm)	Temp [ ] deg C [X] deg F	Turbidity (NTU)	Color/Odor
940 / 6.0	7.2	1100	60.6	7200	
941 / 12.0	7.0	1100	58.2	135	
942 / 18.0	7.0	1100	58.0	107	
/					
/					
/					
/					
/					

Comments during well purge
Well Pumped dry: YES (NO)
Purge water storage/disposal: [ ] Drummed onsite [X] Other: TRUCK

WELL SAMPLING

SAMPLING METHOD

Date/Time Sampled: 8-21 1950
Bailer - Type [X]: STEEL
Sample port [ ] Other [ ]

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS

Meter Type:

Date/Time/% Recharge	pH	Cond. (uomhos/cm)	Temp [ ] deg C [ ] deg F	Turbidity (NTU)	Color/Odor
/ /					

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
	3	TPHG			
MW8	40 ML	BTEX	HCl	BC	
	VOA	MTBE			

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	