June 24, 1996

ENV - STUDIES, SURVEYS, & REPORTS
Former Texacok/Current Exxon Service Station
2200 E. 12th Street, Oakland, California
Quarterly Monitoring Report/Sensitive Receptor Survey

Mr. Dale Klettke, CHMM
Alameda County Health Department
1131 Harbor Way Pkwy.
Alameda, CA 94502-6577

Dear Mr. Klettke:

This letter presents the results of groundwater monitoring and sampling conducted by Blaine Tech Services, Inc. on April 26, 1996, at the site referenced above (see Plate 1, Site Vicinity Map). Based on groundwater level measurements, the areal hydraulic gradient was estimated to be west-northwest. (see Plate 2, Groundwater Gradient Map). TPHg and benzene concentrations are shown on Plate 3. Tables 1 and 2 list historical groundwater monitoring data and analytical results, respectively.

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

Also enclosed is the report, prepared by Pacific Environmental Group, Inc., documenting the results of the sensitive receptor investigation which is the final criteria to be satisfied in order to designate this site as a "Low-Risk Groundwater Case." The report shows that no sensitive receptors were located within a 250-foot radius of the site. If you have any questions or comments regarding this site, please call the Texaco Project Coordinator, Karen Petryna at (510) 236-9139.

Best Regards,

Rebecca Digerness
Environmental Assistant

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

RBD:hs
P:\GWMP\QMR\2200E12\QMR.LET

Enclosures (2)

cc: Mr. Michael Faber
Exxon Company, U. S. A.
2300 Clayton Rd., Suite 1250
Concord, CA 94524

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

pr: EG

Groundwater Monitoring and Sampling
Second Quarter, 1996
at the
Former Texaco Service Station
2200 East 12th Street
Oakland, CA

SOURCE:
1993 THE THOMAS GUIDE
ALAMEDA COUNTY, PAGE 11 (E1)

N

0 1/4 1/2 3/4 1
MILE
1" = 2200'

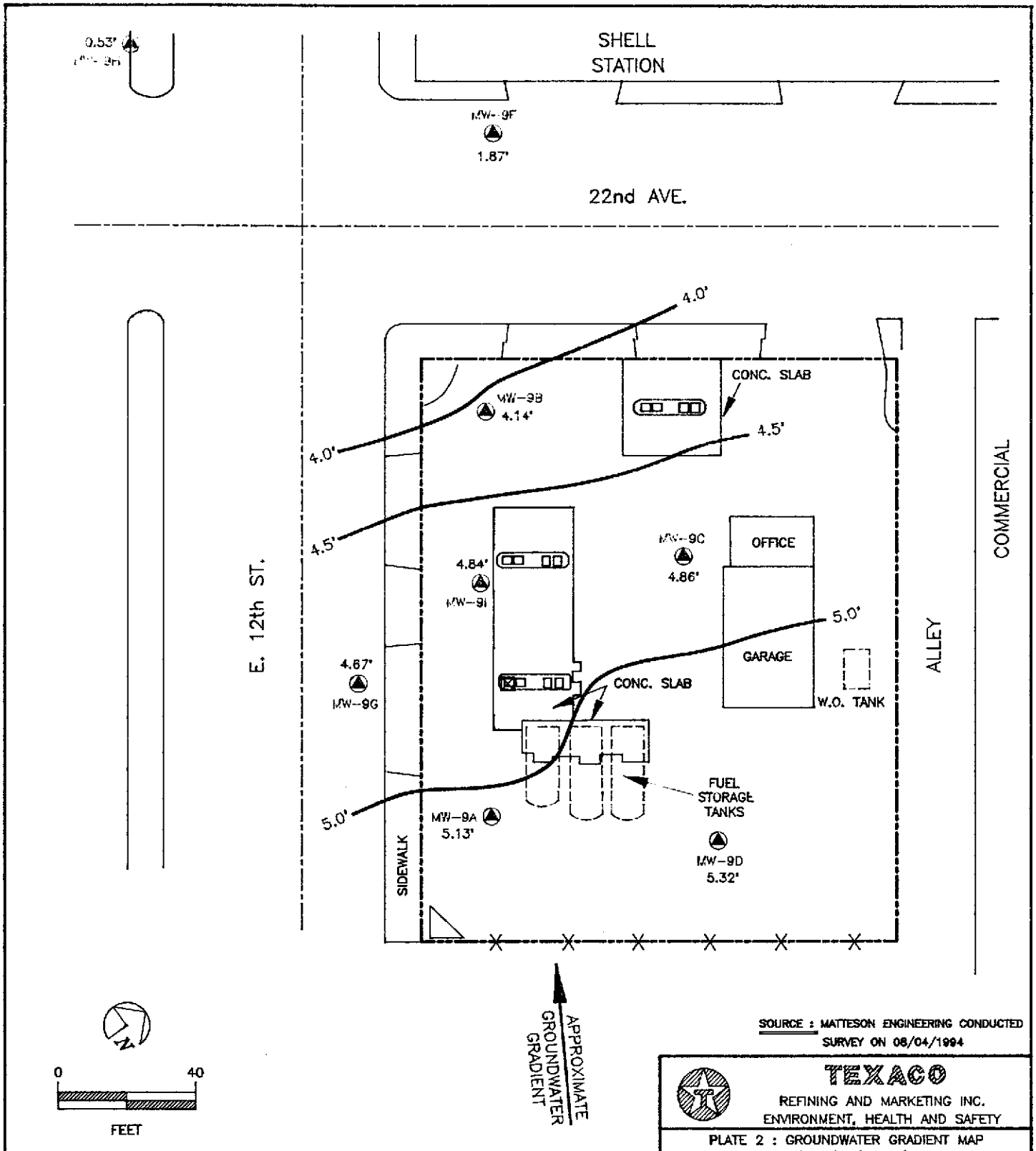
TEXACO
REFINING AND MARKETING, INC.
TEXACO ENVIRONMENTAL SERVICES

PLATE 1

SITE VICINITY MAP

FORMER TEXACO SERVICE STATION

2200 E. 12th ST. / 22nd AVE.,
OAKLAND, CALIFORNIA



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

LEGEND :

- MW-9A — MONITORING WELL LOCATION AND WELL NUMBER
- GROUNDWATER CONTOUR LINE
- 4.67' — GROUNDWATER ELEVATION (ABOVE MSL)

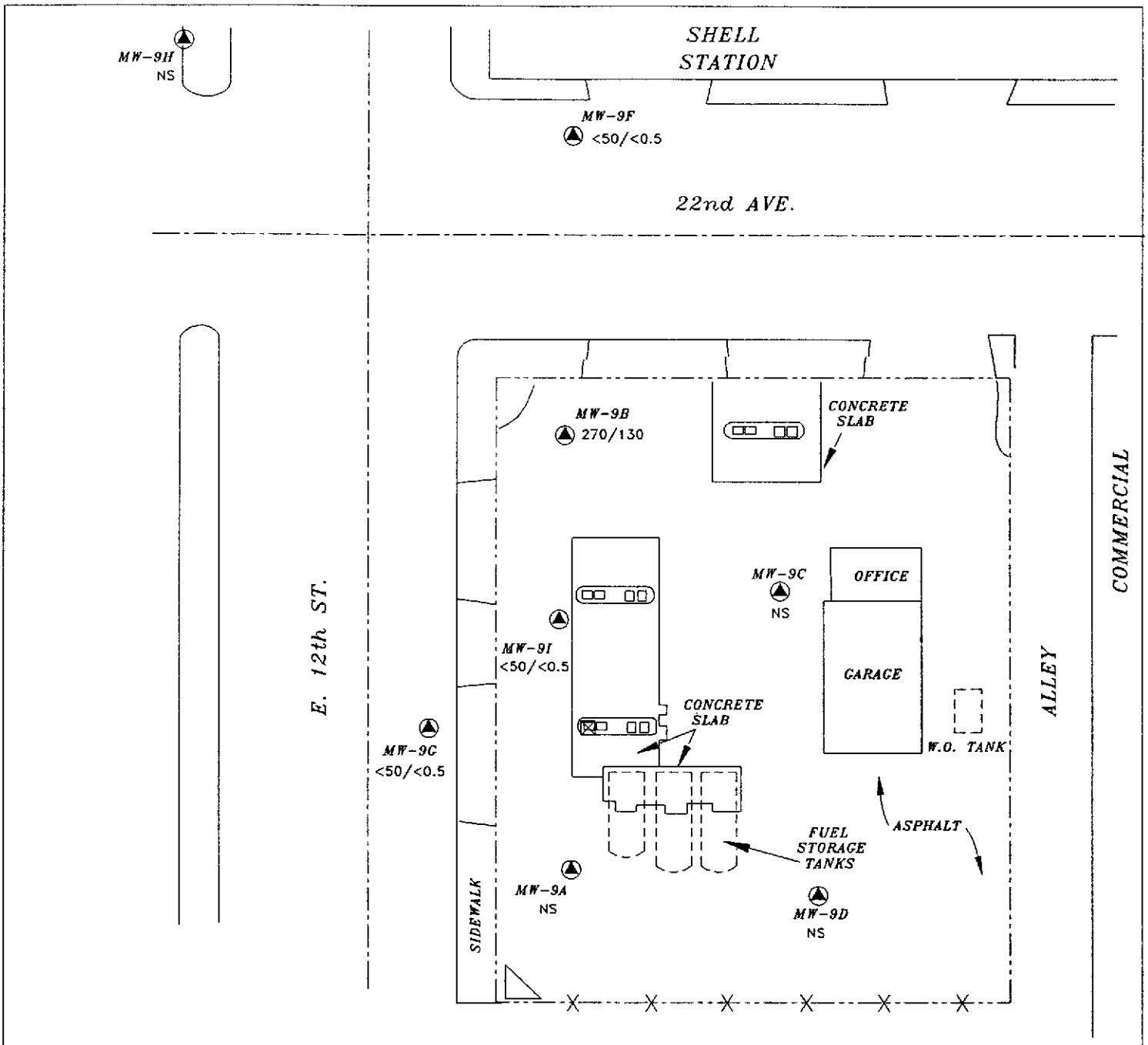
TEXACO
REFINING AND MARKETING INC.
ENVIRONMENT, HEALTH AND SAFETY

PLATE 2 : GROUNDWATER GRADIENT MAP
(04/26/1996)

FORMER TEXACO SERVICE STATION

2200 E. 12th ST. / 22nd AVE.,
OAKLAND, CALIFORNIA

SCALE	1"=40'-0"	LOCATION #	62-488-0088
DRAWN BY	AMA	DATE	05/23/1996
CHECKED BY	RD	DATE	5/24/96
DRAWING NO.	(OAKLAND) 12-22-OK.DWG		



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

LEGEND :

▲ MW-9A	MONITORING WELL LOCATION AND WELL NUMBER
<50/<0.5	TPHg/BENZENE CONCENTRATION IN GROUNDWATER (ppb)
NS	NOT SAMPLED

N

0 40

FEET

TEXACO
REFINING AND MARKETING,INC.
ENVIRONMENT, HEALTH & SAFETY

PLATE 3: TPHg/BENZENE CONCENTRATION
(04/26/1996)
FORMER TEXACO SERVICE STATION
2200 E. 12th ST. / 22nd AVE.,
OAKLAND, CALIFORNIA

SCALE	1" =40'-0"	PROJ. CODE	62-488-0088
DRAWN BY	AMA	DATE	05/24/1996
CHECKED BY	RD	DATE	05/24/1996
DRAWING NO.	(OAKLAND) 12-22-0K.DWG		

Table 1
Groundwater Elevation Data
2200 East 12th Street, Oakland, CA

Well Number	Date Sampled	Elevation of Wellhead (feet)		Depth to Water (feet, TOC)	Elevation of Groundwater (feet)
MW-9A	10/12/89	100.07	*		
	2/5/92			6.93	93.14
	5/5/92			6.95	93.12
	9/14/92			7.65	92.42
	11/16/92			7.35	92.72
	2/3/93			7.85	92.22
	5/18/93			6.95	93.12
	8/26/93			7.14	92.93
	11/4/93			7.23	92.84
	2/4/94			6.70	93.37
	5/31/94			6.74	93.33
	10/26/94	11.46	**	7.06	4.40
	5/15/95			6.32	5.14
	11/02/95			7.16	4.30
	4/26/96			6.33	5.13
MW-9B	10/12/89	98.41	*		
	2/5/92			5.95	92.46
	5/5/92			5.92	92.49
	9/14/92			6.60	91.81
	11/16/92			6.35	92.06
	2/3/93			6.50	91.91
	5/18/93			6.42	91.99
	8/26/93			6.28	92.13
	11/4/93			6.23	92.18
	2/4/94			5.92	92.49
	5/31/94			9.22	89.19
	10/26/94	9.80	**	6.04	3.76
	5/15/95			5.34	4.46
	11/02/95			6.14	3.66
	4/26/96			5.66	4.14
MW-9C	10/12/89	99.73	*		
	2/5/92			6.44	93.29
	5/5/92			6.50	93.23
	9/14/92			7.00	92.73
	11/16/92			6.72	93.01
	2/3/93			5.75	93.98
	5/18/93			6.72	93.01
	8/26/93			6.84	92.89
	11/4/93			6.90	92.83
	2/4/94			6.28	93.45
	5/31/94			6.42	93.31
	10/26/94	11.14	**	6.80	4.34
	5/15/95			5.72	5.42
	11/02/95			6.88	4.26
	4/26/96			6.28	4.86

Table 1
Groundwater Elevation Data
2200 East 12th Street, Oakland, CA

Well Number	Date Sampled	Elevation of Wellhead (feet)		Depth to Water (feet, TOC)	Elevation of Groundwater (feet)
MW-9D	10/12/89	101.46	*		
	2/5/92			7.78	93.68
	5/5/92			7.90	93.56
	9/14/92			8.45	93.01
	11/16/92			8.10	93.36
	2/3/93			7.07	94.39
	5/18/93			7.85	93.61
	8/26/93			8.30	93.16
	11/4/93			8.33	93.13
	2/4/94			7.66	93.80
	5/31/94			6.80	94.66
	10/26/94	12.90	**	8.34	4.56
	5/15/95			7.22	5.68
	11/02/95			8.31	4.59
	4/26/96			7.58	5.32
MW-9F	10/12/89	96.96	*		
	2/5/92			5.81	91.15
	5/5/92			5.86	91.10
	9/14/92			Not Measured	
	11/16/92			5.82	91.14
	2/3/93			5.55	91.41
	5/18/93			5.86	91.10
	8/26/93			5.86	91.10
	11/5/93			5.96	91.00
	2/4/94			5.68	91.28
	5/31/94			5.76	91.20
	10/26/94	8.37	**	5.96	2.41
	5/15/95			5.52	2.85
	11/02/95			6.60	1.77
	4/26/96			6.50	1.87
MW-9G	10/12/89	98.51	*		
	2/5/92			5.59	92.92
	5/5/92			5.60	92.91
	9/14/92			Not Measured	
	11/16/92			5.78	92.73
	2/3/93			5.05	93.46
	5/18/93			5.62	92.89
	8/26/93			5.86	92.65
	11/5/93			5.96	92.55
	2/4/94			5.48	93.03
	5/31/94			5.50	93.01
	10/26/94	9.95	**	5.76	4.19
	5/15/95			4.88	5.07
	11/02/95			5.92	4.03
	4/26/96			5.28	4.67

Table 1
Groundwater Elevation Data
2200 East 12th Street, Oakland, CA

Well Number	Date Sampled	Elevation of Wellhead (feet)		Depth to Water (feet, TOC)	Elevation of Groundwater (feet)
MW-9H	10/12/89	97.14	*		
	2/5/92			7.70	89.44
	5/5/92			8.12	89.02
	9/14/92			Not Measured	
	11/16/92			Not Measured	
	2/3/93			7.72	89.42
	5/18/93			8.12	89.02
	8/26/93			8.14	89.00
	11/5/93			8.15	88.99
	2/4/94			7.98	89.16
	5/31/94			8.80	88.34
	10/26/94	8.58	**	8.12	0.46
	5/15/95			7.88	0.70
	11/02/95			8.40	0.18
	4/26/96			8.05	0.53
MW-9I	11/15/90	98.66	*		
	2/5/92			5.56	93.10
	5/5/92			5.60	93.06
	9/14/92			6.12	92.54
	11/16/92			5.82	92.84
	2/3/93			4.92	93.74
	5/18/93			5.60	93.06
	8/26/93			5.91	92.75
	11/4/93			6.03	92.63
	2/4/94			5.37	93.29
	5/31/94			5.46	93.20
	10/26/94	10.11	**	5.88	4.23
	5/15/95			4.94	5.17
	11/02/95			6.04	4.07
	4/26/96			5.27	4.84
* = Elevation relative to temporary benchmark with an arbitrary elevation of 100.0 feet					
**Wells resurveyed on 8/4/94, relative to mean sea level					
TOC = Top of Casing					

Table 2
Groundwater Analytical Data
2200 East 12th Street, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
MW-9A	2/5/92	<50	1.1	1.8	0.6	1.3	NA
	5/5/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	9/14/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/16/92	<50	1.1	<0.5	<0.5	<0.5	NA
	2/3/93	140	17	19	1.6	20	NA
	5/18/93	<50	0.8	<0.5	1.3	7	NA
	8/26/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/4/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/4/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/31/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	10/26/94	66	<0.5	<0.5	<0.5	<0.5	NA
	5/15/95	<50	0.52	0.67	<0.5	<0.5	NA
	11/2/95	<50	<0.5	<0.5	<0.5	<0.5	<10
	4/26/96	Not Sampled					
MW-9B	2/5/92	60	14	<0.5	2.9	2.5	NA
	5/5/92	620	180	2.4	8.4	2.2	NA
	9/14/92	110	9.6	<0.5	<0.5	<0.5	NA
	11/16/92	200	33	<0.5	4.2	1.4	NA
	2/3/93	12,000	320	13	35	110	NA
	5/18/93	180	1.1	<0.5	2.6	5.9	NA
	8/26/93	180	36	<0.5	3	1.7	NA
	11/4/93	98	13	<0.5	1.4	<0.5	NA
	2/4/94	790	170	1.3	12	0.8	NA
	5/31/94	1,000	150	2.5	8.0	2.1	NA
	10/26/94	84	2.8	0.72	<0.5	<0.5	NA
	5/15/95	2,800	420	25	27	6.7	NA
	11/2/95	130	3.3	<0.5	<0.5	<0.5	<10
	4/26/96	270	130	2.8	6.7	<3	70
MW-9C	2/5/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/5/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	9/14/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/16/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/3/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/18/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	8/26/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/4/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/4/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/31/94	Not Sampled					
	10/26/94	Not Sampled					
	5/15/95	Not Sampled					
	11/2/95	Not Sampled					
	4/26/96	Not Sampled					

Table 2
Groundwater Analytical Data
2200 East 12th Street, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
MW-9D	2/5/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/5/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	9/14/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/16/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/3/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/18/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	8/26/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/4/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/4/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/31/94	Not Sampled					
	10/26/94	Not Sampled					
	5/15/95	Not Sampled					
	11/2/95	Not Sampled					
	4/26/96	Not Sampled					
MW-9F	2/5/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/5/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	9/14/92	Not Sampled					NA
	11/16/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/3/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/19/93	<50	<0.5	<0.5	1.2	6.8	NA
	8/26/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/5/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/4/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/31/94	Not Sampled					
	10/26/94	Not Sampled					
	5/15/95	Not Sampled					
	11/2/95	Not Sampled					
	4/26/96	<50	<0.5	<0.5	<0.5	<0.5	57
MW-9G	2/5/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/5/92	<50	1.5	3.8	1	4.7	NA
	9/14/92	Not Sampled					
	11/16/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/3/93	64	<0.5	<0.5	<0.5	<0.5	NA
	5/19/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	8/26/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/5/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/4/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/31/94	Not Sampled					
	10/26/94	Not Sampled					
	5/15/95	Not Sampled					
	11/2/95	<50	<0.5	<0.5	<0.5	<0.5	<10
	4/26/96	<50	<0.5	<0.5	<0.5	<0.5	18

Table 2
Groundwater Analytical Data
2200 East 12th Street, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
MW-9H	2/5/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/5/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	9/14/92	Not Sampled					
	11/16/92	Not Sampled					
	2/3/93	280	<0.5	<0.5	<0.5	<0.5	NA
	5/19/93	<50	<0.5	<0.5	1.1	6.4	NA
	8/26/93	<50	0.8	<0.5	<0.5	<0.5	NA
	11/5/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/4/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/31/94	<50	0.92	1.1	<0.5	0.86	NA
	10/26/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/15/95	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/2/95	<50	<0.5	<0.5	<0.5	<0.5	<10
	4/26/96	Not Sampled					
MW-9I	2/5/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/5/92	<50	0.9	<0.5	<0.5	0.7	NA
	9/14/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/16/92	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/2/93	240	46	1.1	2.3	2.1	NA
	5/18/93	79	<0.5	<0.5	<0.5	<0.5	NA
	8/26/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/4/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/4/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/31/94	240	0.66	0.63	<0.5	1.4	NA
	10/26/94	150	<0.5	<0.5	<0.5	<0.5	NA
	5/15/95	56	<0.5	0.82	<0.5	<0.5	NA
	11/2/95	<50	<0.5	<0.5	<0.5	<0.5	<10
	4/26/96	<50	<0.5	<0.5	<0.5	<0.5	99
MTBE = Methyl-tert-butylether							
NA = Not Analyzed							
ppb = parts per billion							
TPHg = Total petroleum hydrocarbons analyzed as gasoline							
< = Less than the detection limit for the specified method of analysis							

ANALYTICAL REPORT

B C Analytical

1085 Shary Circle
Concord, CA 94518
510/825-3894
Fax: 510/825-3924

LOG NO: G96-04-619

Received: 29 APR 96

Mailed: MAY 8 1996

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

Purchase Order: 94-1446346+4370

Requisition: 624880088
Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

LOG NO	04-619-1	04-619-2	04-619-3
DATE SAMPLED	26 APR 96	26 APR 96	26 APR 96
SAMPLE DESCRIPTION	MW-9B	MW-9F	MW-9G
AQUEOUS			
GRO (8015M.TX)			
Date Analyzed	05/02/96	05/02/96	05/02/96
Dilution Factor, Times	5	1	1
Benzene, ug/L	130	<0.5	<0.5
Toluene, ug/L	2.8	<0.5	<0.5
Ethylbenzene, ug/L	6.7	<0.5	<0.5
Total Xylene Isomers, ug/L	<3	<0.5	<0.5
Carbon Range, .	C6-C12	C6-C12	C6-C12
TPH (Gasoline Range), ug/L	270	<50	<50
Surrogates **			
a,a,a-Trifluorotoluene Rep., ug/L	259	50.7	51.3
a,a,a-Trifluorotoluene Th., ug/L	250	50.0	50.0

Karen Petryna
2200 East Twelth St., Oakland
Alameda County

B C Analytical

1085 Shary Circle
Concord, CA 94518
510/825-3894
Fax: 510/825-3924

LOG NO: G96-04-619

Received: 29 APR 96

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

Purchase Order: 94-1446346+4370

Requisition: 624880088
Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

LOG NO	04-619-1	04-619-2	04-619-3
DATE SAMPLED	26 APR 96	26 APR 96	26 APR 96
SAMPLE DESCRIPTION	MW-9B	MW-9F	MW-9G
AQUEOUS			
Volatile Organics (8240)			
Date Analyzed	05/03/96	05/02/96	05/02/96
Dilution Factor, Times	1	1	1
Methyl-tert-butylether, ug/L	70	57	18
Other Volatile Organics (8240)	---	---	---
Surrogates **			
1,2-Dichloroethane-d4 Rep., ug/L	48.0	53.4	53.0
1,2-Dichloroethane-d4 Theo., ug/L	50.0	50.0	50.0

B C Analytical

1085 Shary Circle
Concord, CA 94518
510/825-3894
Fax: 510/825-3924

LOG NO: G96-04-619

Received: 29 APR 96

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

Purchase Order: 94-1446346+4370

Requisition: 624880088
Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

LOG NO	04-619-4
DATE SAMPLED	26 APR 96
SAMPLE DESCRIPTION	MW-9I
AQUEOUS	
GRO (8015M.TX)	
Date Analyzed	05/02/96
Dilution Factor, Times	1
Benzene, ug/L	<0.5
Toluene, ug/L	<0.5
Ethylbenzene, ug/L	<0.5
Total Xylene Isomers, ug/L	<0.5
Carbon Range, .	C6-C12
TPH (Gasoline Range), ug/L	<50
Surrogates **	
a,a,a-Trifluorotoluene Rep., ug/L	51.2
a,a,a-Trifluorotoluene Th., ug/L	50.0

B C Analytical

1085 Shary Circle
Concord, CA 94518
510/825-3894
Fax: 510/825-3924

LOG NO: G96-04-619

Received: 29 APR 96

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

Purchase Order: 94-1446346+4370

Requisition: 624880088
Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

LOG NO	04-619-4	
DATE SAMPLED	26 APR 96	
SAMPLE DESCRIPTION	MW-9I	
AQUEOUS		
Volatile Organics (8240)		
Date Analyzed	05/02/96	
Dilution Factor, Times	1	
Methyl-tert-butylether, ug/L	99	
Other Volatile Organics (8240)	---	
Surrogates **		
1,2-Dichloroethane-d4 Rep., ug/L	52.7	
1,2-Dichloroethane-d4 Theo., ug/L	50.0	

B C Analytical

1085 Shary Circle
Concord, CA 94518
510/825-3894
Fax: 510/825-3924

LOG NO: G96-04-619

Received: 29 APR 96

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

Purchase Order: 94-1446346+4370

Requisition: 624880088
Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

LOG NO	04-619-5
DATE SAMPLED	26 APR 96
SAMPLE DESCRIPTION	EB
AQUEOUS	
GRO (8015M.TX)	
Date Analyzed	05/03/96
Dilution Factor, Times	1
Benzene, ug/L	<0.5
Toluene, ug/L	<0.5
Ethylbenzene, ug/L	<0.5
Total Xylene Isomers, ug/L	<0.5
Carbon Range, .	C6-C12
TPH (Gasoline Range), ug/L	<50
Surrogates **	
a,a,a-Trifluorotoluene Rep., ug/L	50.9
a,a,a-Trifluorotoluene Th., ug/L	50.0

B C Analytical

1085 Shary Circle
Concord, CA 94518
510/825-3894
Fax: 510/825-3924

LOG NO: G96-04-619

Received: 29 APR 96

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

Purchase Order: 94-1446346+4370

Requisition: 624880088
Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

LOG NO		04-619-5	
DATE SAMPLED		26 APR 96	
SAMPLE DESCRIPTION		EB	
AQUEOUS			
Volatile Organics (8240)			
Date Analyzed		05/02/96	
Dilution Factor, Times		1	
Methyl-tert-butylether, ug/L		<1	
Other Volatile Organics (8240)		---	
Surrogates **			
1,2-Dichloroethane-d4 Rep., ug/L		53.3	
1,2-Dichloroethane-d4 Theo., ug/L		50.0	

Greta Galoustian, Laboratory Director

ORDER PLACED FOR CLIENT: Texaco Environmental Services 9604619 :
BC ANALYTICAL : GLEN LAB : 10:16:56 08 MAY 1996 - P. 1 :

AMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
604619*1	MW-9B	GAS.BTX.TESNC	05.02.96	8015M.TX	536-36	96662	6843
		VOA.8240.MTBE	05.03.96	8240	537-05	96525	7430
604619*2	MW-9F	GAS.BTX.TESNC	05.02.96	8015M.TX	536-36	96662	6843
		VOA.8240.MTBE	05.02.96	8240	537-05	96524	7430
604619*3	MW-9G	GAS.BTX.TESNC	05.02.96	8015M.TX	536-36	96662	6843
		VOA.8240.MTBE	05.02.96	8240	537-05	96524	7430
604619*4	MW-9I	GAS.BTX.TESNC	05.02.96	8015M.TX	536-36	96662	6843
		VOA.8240.MTBE	05.02.96	8240	537-05	96524	7430
604619*5	EB	GAS.BTX.TESNC	05.03.96	8015M.TX	536-36	96663	6843
		VOA.8240.MTBE	05.02.96	8240	537-05	96524	7430

**

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 G9604619

ATE REPORTED : 05/08/96

LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

ARAMETER		DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
. GRO	C605424*1						
Date Analyzed		05.02.96	96662	05/02/96	05/02/96	Date	N/A
Benzene		05.02.96	96662	15.9	15.2	ug/L	105
Toluene		05.02.96	96662	89.4	97.4	ug/L	92
Ethylbenzene		05.02.96	96662	19.0	20.4	ug/L	93
Total Xylene Isomers		05.02.96	96662	106	119	ug/L	89
TPH (Gasoline Range)		05.02.96	96662	999	1100	ug/L	91
a,a,a-Trifluorotoluene Rep.		05.02.96	96662	52.6	50.0	ug/L	105
a,a,a-Trifluorotoluene Th.		05.02.96	96662	50.0	50.0	ug/L	100
. Volatile Organics	C605468*1						
Date Analyzed		05.03.96	96525	05/03/96	05/03/96	Date	N/A
Methyl-tert-butylether		05.03.96	96525	17.5	20.0	ug/L	88
1,2-Dichloroethane-d4 Rep.		05.03.96	96525	43.9	50.0	ug/L	88
1,2-Dichloroethane-d4 Theo.		05.03.96	96525	50.0	50.0	ug/L	100
. Volatile Organics	C605469*1						
Date Analyzed		05.03.96	96525	05/03/96	05/03/96	Date	N/A
Methyl-tert-butylether		05.03.96	96525	18.9	20.0	ug/L	95
1,2-Dichloroethane-d4 Rep.		05.03.96	96525	47.4	50.0	ug/L	95
1,2-Dichloroethane-d4 Theo.		05.03.96	96525	50.0	50.0	ug/L	100
. Volatile Organics	C605466*1						
Date Analyzed		05.02.96	96524	05/02/96	05/02/96	Date	N/A
Methyl-tert-butylether		05.02.96	96524	22.2	20.0	ug/L	111
1,2-Dichloroethane-d4 Rep.		05.02.96	96524	52.7	50.0	ug/L	105
1,2-Dichloroethane-d4 Theo.		05.02.96	96524	50.0	50.0	ug/L	100
. Volatile Organics	C605467*1						
Date Analyzed		05.02.96	96524	05/02/96	05/02/96	Date	N/A
Methyl-tert-butylether		05.02.96	96524	20.4	20.0	ug/L	102
1,2-Dichloroethane-d4 Rep.		05.02.96	96524	52.1	50.0	ug/L	104
1,2-Dichloroethane-d4 Theo.		05.02.96	96524	50.0	50.0	ug/L	100
. GRO	C605492*1						
Date Analyzed		05.02.96	96663	05/02/96	05/02/96	Date	N/A
Benzene		05.02.96	96663	15.2	15.2	ug/L	100
Toluene		05.02.96	96663	86.6	97.4	ug/L	89
Ethylbenzene		05.02.96	96663	18.3	20.4	ug/L	90
Total Xylene Isomers		05.02.96	96663	103	119	ug/L	87
TPH (Gasoline Range)		05.02.96	96663	1060	1100	ug/L	96
a,a,a-Trifluorotoluene Rep.		05.02.96	96663	51.8	50.0	ug/L	104
a,a,a-Trifluorotoluene Th.		05.02.96	96663	50.0	50.0	ug/L	100

BC ANALYTICAL

ORDER QC REPORT FOR G9604619

ATE REPORTED : 05/08/96

ADDITIONAL LCS PRECISION (DUPLICATES)
BATCH QC REPORT

ARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
. Volatile Organics							
Date Analyzed		05.03.96	96525	05/03/96	05/03/96	Date	N/A
Methyl-tert-butylether		05.03.96	96525	17.5	18.9	ug/L	8
1,2-Dichloroethane-d4 Rep.		05.03.96	96525	43.9	47.4	ug/L	8
1,2-Dichloroethane-d4 Theo.		05.03.96	96525	50.0	50.0	ug/L	0
. Volatile Organics							
Date Analyzed		05.02.96	96524	05/02/96	05/02/96	Date	N/A
Methyl-tert-butylether		05.02.96	96524	22.2	20.4	ug/L	8
1,2-Dichloroethane-d4 Rep.		05.02.96	96524	52.7	52.1	ug/L	1
1,2-Dichloroethane-d4 Theo.		05.02.96	96524	50.0	50.0	ug/L	0

BC ANALYTICAL

ORDER QC REPORT FOR G9604619

ATE REPORTED : 05/08/96

MATRIX QC ACCURACY (SPIKES)
BATCH QC REPORT

ARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	MS %	MSD %	TRUE RESULT	UNIT	
. GRO	9604617*3							
Benzene		05.02.96	96662	100	99	17.1	ug/L	
Toluene		05.02.96	96662	92	91	97.4	ug/L	
Ethylbenzene		05.02.96	96662	96	94	20.4	ug/L	
Total Xylene Isomers		05.02.96	96662	91	90	119	ug/L	
TPH (Gasoline Range)		05.02.96	96662	97	97	1270	ug/L	
a,a,a-Trifluorotoluene Rep.		05.02.96	96662	105	105	50.0	ug/L	
a,a,a-Trifluorotoluene Th.		05.02.96	96662	100	100	50.0	ug/L	
. Volatile Organics	9605036*9							
Methyl-tert-butylether		05.03.96	96525	NC	NC	287	ug/L	NC
1,2-Dichloroethane-d4 Rep.		05.03.96	96525	109	108	50.0	ug/L	
1,2-Dichloroethane-d4 Theo.		05.03.96	96525	100	100	50.0	ug/L	
. Volatile Organics	9604619*4							
Methyl-tert-butylether		05.02.96	96524	NC	NC	119	ug/L	NC
1,2-Dichloroethane-d4 Rep.		05.02.96	96524	104	104	50.0	ug/L	
1,2-Dichloroethane-d4 Theo.		05.02.96	96524	100	100	50.0	ug/L	
. GRO	9604648*2							
Benzene		05.03.96	96663	103	103	16.1	ug/L	
Toluene		05.03.96	96663	90	92	98.6	ug/L	
Ethylbenzene		05.03.96	96663	94	96	20.4	ug/L	
Total Xylene Isomers		05.03.96	96663	89	90	120	ug/L	
TPH (Gasoline Range)		05.03.96	96663	101	98	1100	ug/L	
a,a,a-Trifluorotoluene Rep.		05.03.96	96663	105	103	50.0	ug/L	
a,a,a-Trifluorotoluene Th.		05.03.96	96663	100	100	50.0	ug/L	

BC ANALYTICAL

ORDER QC REPORT FOR G9604619

ATE REPORTED : 05/08/96

MATRIX QC PRECISION (DUPLICATE SPIKES)
BATCH QC REPORT

ARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	MS RESULT	MSD RESULT	UNIT	RELATIVE % DIFF
. GRO	9604617*3						
Date Analyzed		05.02.96	96662	05/02/96	05/02/96	Date	N/A
Benzene		05.02.96	96662	17.1	16.9	ug/L	1
Toluene		05.02.96	96662	89.8	88.7	ug/L	1
Ethylbenzene		05.02.96	96662	19.5	19.1	ug/L	2
Total Xylene Isomers		05.02.96	96662	108	107	ug/L	1
TPH (Gasoline Range)		05.02.96	96662	1240	1240	ug/L	0
a,a,a-Trifluorotoluene Rep.		05.02.96	96662	52.6	52.4	ug/L	0
a,a,a-Trifluorotoluene Th.		05.02.96	96662	50.0	50.0	ug/L	0
. Volatile Organics	9605036*9						
Date Analyzed		05.03.96	96525	05/03/96	05/03/96	Date	N/A
Methyl-tert-butylether		05.03.96	96525	255	254	ug/L	0
1,2-Dichloroethane-d4 Rep.		05.03.96	96525	54.3	53.9	ug/L	1
1,2-Dichloroethane-d4 Theo.		05.03.96	96525	50.0	50.0	ug/L	0
. Volatile Organics	9604619*4						
Date Analyzed		05.02.96	96524	05/02/96	05/02/96	Date	N/A
Methyl-tert-butylether		05.02.96	96524	105	111	ug/L	6
1,2-Dichloroethane-d4 Rep.		05.02.96	96524	52.2	52.1	ug/L	0
1,2-Dichloroethane-d4 Theo.		05.02.96	96524	50.0	50.0	ug/L	0
. GRO	9604648*2						
Date Analyzed		05.03.96	96663	05/03/96	05/03/96	Date	N/A
Benzene		05.03.96	96663	16.6	16.5	ug/L	1
Toluene		05.03.96	96663	89.2	90.5	ug/L	1
Ethylbenzene		05.03.96	96663	19.1	19.5	ug/L	2
Total Xylene Isomers		05.03.96	96663	107	108	ug/L	1
TPH (Gasoline Range)		05.03.96	96663	1110	1080	ug/L	3
a,a,a-Trifluorotoluene Rep.		05.03.96	96663	52.4	51.3	ug/L	2
a,a,a-Trifluorotoluene Th.		05.03.96	96663	50.0	50.0	ug/L	0

BC ANALYTICAL

ORDER QC REPORT FOR G9604619

ATE REPORTED : 05/08/96

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

ARAMETER		DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
. GRO	B605230*1						
Date Analyzed		05.02.96	96662	05/02/96	NA	Date	8015M.TX
Benzene		05.02.96	96662	0	0.5	ug/L	8015M.TX
Toluene		05.02.96	96662	0	0.5	ug/L	8015M.TX
Ethylbenzene		05.02.96	96662	0	0.5	ug/L	8015M.TX
Total Xylene Isomers		05.02.96	96662	0	0.5	ug/L	8015M.TX
TPH (Gasoline Range)		05.02.96	96662	0	50	ug/L	8015M.TX
a,a,a-Trifluorotoluene Rep.		05.02.96	96662	51.7	NA	ug/L	8015M.TX
a,a,a-Trifluorotoluene Th.		05.02.96	96662	50.0	NA	ug/L	8015M.TX
. Volatile Organics	B605258*1						
Date Analyzed		05.03.96	96525	05/03/96	NA	Date	8240
Methyl-tert-butylether		05.03.96	96525	0	NA	ug/L	8240
1,2-Dichloroethane-d4 Rep.		05.03.96	96525	47.3	5	ug/L	8240
1,2-Dichloroethane-d4 Theo.		05.03.96	96525	50.0	NA	ug/L	8240
. Volatile Organics	B605257*1						
Date Analyzed		05.02.96	96524	05/02/96	NA	Date	8240
Methyl-tert-butylether		05.02.96	96524	0	NA	ug/L	8240
1,2-Dichloroethane-d4 Rep.		05.02.96	96524	47.9	5	ug/L	8240
1,2-Dichloroethane-d4 Theo.		05.02.96	96524	50.0	NA	ug/L	8240
. GRO	B605273*1						
Date Analyzed		05.02.96	96663	05/02/96	NA	Date	8015M.TX
Benzene		05.02.96	96663	0	0.5	ug/L	8015M.TX
Toluene		05.02.96	96663	0	0.5	ug/L	8015M.TX
Ethylbenzene		05.02.96	96663	0	0.5	ug/L	8015M.TX
Total Xylene Isomers		05.02.96	96663	0	0.5	ug/L	8015M.TX
TPH (Gasoline Range)		05.02.96	96663	0	50	ug/L	8015M.TX
a,a,a-Trifluorotoluene Rep.		05.02.96	96663	51.4	NA	ug/L	8015M.TX
a,a,a-Trifluorotoluene Th.		05.02.96	96663	50.0	NA	ug/L	8015M.TX

SURROGATE RECOVERIES :
BC ANALYTICAL : GLEN LAB : 10:18:29 08 MAY 1996 - P. 1 :

ETHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
604619*1							
015M.TX	a,a,a-Trifluorotoluene	Re96662	05/02/96	259	250	104	
240	1,2-Dichloroethane-d4	Rep96525	05/03/96	48.0	50.0	96	
604619*2							
015M.TX	a,a,a-Trifluorotoluene	Re96662	05/02/96	50.7	50.0	101	
240	1,2-Dichloroethane-d4	Rep96524	05/02/96	53.4	50.0	107	
604619*3							
015M.TX	a,a,a-Trifluorotoluene	Re96662	05/02/96	51.3	50.0	103	
240	1,2-Dichloroethane-d4	Rep96524	05/02/96	53.0	50.0	106	
604619*4							
015M.TX	a,a,a-Trifluorotoluene	Re96662	05/02/96	51.2	50.0	102	
240	1,2-Dichloroethane-d4	Rep96524	05/02/96	52.7	50.0	105	
604619*5							
015M.TX	a,a,a-Trifluorotoluene	Re96663	05/03/96	50.9	50.0	102	
240	1,2-Dichloroethane-d4	Rep96524	05/02/96	53.3	50.0	107	

SURROGATE RECOVERIES :
BC ANALYTICAL : GLEN LAB : 10:18:37 08 MAY 1996 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
604617*3*R1							
8015M.TX	a,a,a-Trifluorotoluene	Re96662	05/02/96	52.3	50.0	105	
604617*3*S1							
8015M.TX	a,a,a-Trifluorotoluene	Re96662	05/02/96	52.6	50.0	105	
604617*3*S2							
8015M.TX	a,a,a-Trifluorotoluene	Re96662	05/02/96	52.4	50.0	105	
604617*3*T							
8015M.TX	a,a,a-Trifluorotoluene	Re96662	05/02/96	50.0	50.0	100	
604619*4*R1							
8240	1,2-Dichloroethane-d4	Rep96524	05/02/96	52.7	50.0	105	
604619*4*S1							
8240	1,2-Dichloroethane-d4	Rep96524	05/02/96	52.2	50.0	104	
604619*4*S2							
8240	1,2-Dichloroethane-d4	Rep96524	05/02/96	52.1	50.0	104	
604619*4*T							
8240	1,2-Dichloroethane-d4	Rep96524	05/02/96	50.0	50.0	100	
604648*2*R1							
8015M.TX	a,a,a-Trifluorotoluene	Re96663	05/03/96	50.8	50.0	102	
604648*2*S1							
8015M.TX	a,a,a-Trifluorotoluene	Re96663	05/03/96	52.4	50.0	105	
604648*2*S2							
8015M.TX	a,a,a-Trifluorotoluene	Re96663	05/03/96	51.3	50.0	103	
604648*2*T							
8015M.TX	a,a,a-Trifluorotoluene	Re96663	05/03/96	50.0	50.0	100	
605036*9*R1							
8240	1,2-Dichloroethane-d4	Rep96525	05/03/96	55.2	50.0	110	
605036*9*S1							
8240	1,2-Dichloroethane-d4	Rep96525	05/03/96	54.3	50.0	109	

ETHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
605036*9*S2							
240	1,2-Dichloroethane-d4	Rep96525	05/03/96	53.9	50.0	108	
605036*9*T							
240	1,2-Dichloroethane-d4	Rep96525	05/03/96	50.0	50.0	100	
605230*1*MB							
015M.TX	a,a,a-Trifluorotoluene	Re96662	05/02/96	51.7	50.0	103	
605257*1*MB							
240	1,2-Dichloroethane-d4	Rep96524	05/02/96	47.9	50.0	96	
605258*1*MB							
240	1,2-Dichloroethane-d4	Rep96525	05/03/96	47.3	50.0	95	
605273*1*MB							
015M.TX	a,a,a-Trifluorotoluene	Re96663	05/02/96	51.4	50.0	103	
605424*1*LC							
020	a,a,a-Trifluorotoluene	Re96662	05/02/96	52.6	50.0	105	
605424*1*LT							
020	a,a,a-Trifluorotoluene	Re96662	05/02/96	50.0	50.0	100	
605466*1*LC							
240	1,2-Dichloroethane-d4	Rep96524	05/02/96	52.7	50.0	105	
605466*1*LT							
240	1,2-Dichloroethane-d4	Rep96524	05/02/96	50.0	50.0	100	
605467*1*LC							
240	1,2-Dichloroethane-d4	Rep96524	05/02/96	52.1	50.0	104	
605467*1*LT							
240	1,2-Dichloroethane-d4	Rep96524	05/02/96	50.0	50.0	100	
605468*1*LC							
240	1,2-Dichloroethane-d4	Rep96525	05/03/96	43.9	50.0	88	
605468*1*LT							
240	1,2-Dichloroethane-d4	Rep96525	05/03/96	50.0	50.0	100	

ETHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
605469*1*LC							
240	1,2-Dichloroethane-d4	Rep96525	05/03/96	47.4	50.0	95	
605469*1*LT							
240	1,2-Dichloroethane-d4	Rep96525	05/03/96	50.0	50.0	100	
605492*1*LC							
015M.TX	a,a,a-Trifluorotoluene	Re96663	05/02/96	51.8	50.0	104	
605492*1*LT							
015M.TX	a,a,a-Trifluorotoluene	Re96663	05/02/96	50.0	50.0	100	

G9604619

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.# 624880088
Site Address: 2200 East Twelfth St. Oakland, CA
Contractor Project Number: 960426-W3
Contractor Name: Blaine Tech Services, Inc.
Address: 985 Timothy Dr., San Jose, CA 95133
Project Contact:
Phone/FAX: (408) 995-5535 / (408) 293-8773

Laboratory: B C Analytical
Turn Around Time: normal (10 day)
Samplers (PRINT NAME): William Kastma
Sampler Signature:
Date Samples Collected: 4/26/96

624880088
Alameda
FKEP1016L
KEP

Sample Number	Lab Sample Number	Date/Time Collected	No. of Containers	Type of Containers	Sample Matrix	Preservative	ANALYSIS: TPH gas/BTEX	TPH Diesel	O&G/TRPH (418.1)	TPH Ex. (C8-C36+)	VOCs 8240/624	P. Halocarbons 8010/60	P. Aromatics 8020/602	Organic Lead	MTBE 8240		Comments
MW-9B		4/26/96/1630	6		W		X								X		-1
MW-9F		/1500															-2
MW-9G		/1530															-3
EB		/1510															-5
MW-9I		/1600															-4

Relinquished by: (Signature)		Date: 4-29-96	Time: 3:15	Received by: (Signature) Bill Lyons	Date: 4-29-96 Time: 3:15
Relinquished by: (Signature) Bill Lyons		Date: 4-29-96	Time: 9:45	Received by: (Signature) L. Parker	Date: 4-29-96 Time: 5:00
Relinquished by: (Signature) L. Parker		Date: 4-30-96	Time: 3:30	Received by: (Signature)	Date: Time:
Method of Shipment:				Lab Comments:	

P:\GW\WP\FORMS\TEX-COC.XLS

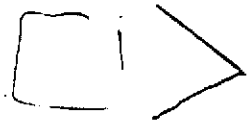
Well Gauging Data

Project Name: Tex
Project Number: 960426-W3

Date: 4/26/96
Recorded By: WS

Well ID	TOC Elev.	DTB (ft. TOC)	Well Dia. (in.)	DTP (ft.)	DTW (ft.)	PT (ft.)	Comments
MW-9A		17.52	2		6.33		
9B		17.55	2		5.66		
9C		15.98	2		6.28		
9D		14.75	4		7.58		
9F		13.90	4		6.50		
9G		1400	4		5.28		
9H		14.14	4		8.05		
9I		13.80	4		5.27		

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 #: 960426-W3	Texaco ID#: 6 24880088
Sampler: WT	Date: 4/26/96
Well I.D.: MW-9F	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 13.90	Depth to Water: 6.50
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: _____

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

1 Case Volume (Gals.)	x	Specified Volumes	=	Calculated Volume
4.9	x	3	=	14.7 Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
1445	72.0	6.8	840	110	5.0	
1446	70.8	6.6	880	91.	10.0	
1447	69.4	6.6	880	74.	15.0	

Did well dewater? Yes (No)	Gallons actually evacuated: 15.0
Sampling Time: 1500	Sampling Date: 4/26
Sample I.D.: MW9F	Laboratory: BC Analytical
Analyzed for: (Tph-G) (BTEX) Tph-D (Other:) MTBE 8240	
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 960426-WS	Texaco ID#: 624880088
Sampler: WS	Date: 4/26
Well I.D.: MW-9G	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 1400	Depth to Water: 5.28
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

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

Purge Method: S.S. Bailer / Teflon Bailer / Middleburg / Electric Submersible ✓ / Extraction Pump / Other: ___

Sampling Method: S.S. Bailer ✓ / Teflon Bailer / Extraction Port / Other: ___

5.8 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 17.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
1515	68.8	6.8	760	61.	6.0	
1516	67.2	6.4	760	73.	12.0	
1517	67.0	6.4	740	181	17.5	

Did well dewater? Yes (No) Gallons actually evacuated: 17.5

Sampling Time: 1530 Sampling Date: 4/26

Sample I.D.: MW-9G Laboratory: BC Analytical

Analyzed for: (Tph-G) (BTEX) Tph-D (Other:) MTBE 8240

Equipment Blank I.D.: EB @ 1510 Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 960426-W3	Texaco ID#: 6248800 88
Sampler: WS	Date: 4/26/96
Well I.D.: MW-9I	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 13.80	Depth to Water: 5.27
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

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

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

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

1 Case Volume (Gals.)		Specified Volumes		Calculated Volume
5.6	x	3	=	16.8 Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
1545	71.4	6.6	1200	23.	6.0	
1546	71.0	6.4	1400	12.	12.0	
1547	71.0	6.5	1400	25	17.0	

Did well dewater? Yes (No)	Gallons actually evacuated: 17.0
Sampling Time: 1600	Sampling Date: 4/26
Sample I.D.: MW-9I	Laboratory: BC Analytical
Analyzed for: (Tph-G) (BTEX) Tph-D (Other:) MTBE 8240	
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 960426-23	Texaco ID#: 6248800 88
Sampler: WS	Date: 4/26
Well I.D.: MW-9B	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 17.55	Depth to Water: 5.66
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: _____

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

1 Case Volume (Gals.)		Specified Volumes		Calculated Volume
1.9	x	3	=	5.7 Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
1608	67.8	6.6	1200	>200	2.0	odor
1614	68.2	6.6	1000	>200	4.0	
1620	68.0	6.6	1000	>200	6.0	

Did well dewater?	Yes (No)	Gallons actually evacuated:	6.0
Sampling Time:	~~1622~~ 1630	Sampling Date:	4/26
Sample I.D.:	MW-9B	Laboratory:	BC Analytical
Analyzed for:	(Tph-G) (BTEX) Tph-D	(Other:)	MTBE 8240
Equipment Blank I.D.:		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 TEXACO ENVIRONMENTAL SERVICES (TES).

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

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

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

TEXACO #: 6248800 88
Address: 2200 Bl 12TH ST
City, State, ZIP: OAK, CA

Well I.D.	Gals.	Well I.D.	Gals.
/		/	
Rinse water /		/	
/	50.0	/	
/		/	
/		/	
/		/	
/		/	
/		/	
/		/	
/		/	
/		/	

Total gals. 50.0

added rinse water 20.0

Total Gals. Recovered 70.0

Job #: 960426-W3
Date 4/26
Time 1700
Signature: mf

REC'D AT: BTS
Date: 4/26
Time: 1800
Signature: mf

QUARTERLY SUMMARY REPORT
Former Texaco/Current Exxon Service Station
2200 East 12th, Oakland, California
Alameda County
First Quarter, 1996

SITE HISTORY

Investigations began in May 1988 and initially consisted of a sensitive receptor study and a preliminary subsurface investigation. The investigation consisted of installing three groundwater wells. Site lithology is predominantly clay with sand to a depth of 6 feet bgs, underlain by a sand and pebbles layer approximately 2 feet thick. The sand and pebbles layer overlay a sandy clay and clayey sand layer to a depth of 15 feet. Beneath this later is a poorly graded sand with clay to 16.5 feet bgs. The depth to groundwater is approximately 10 feet bgs. In September 1988, a soil gas survey was conducted at the site. In October 1988, five additional groundwater monitoring wells were installed. Dissolved petroleum hydrocarbons were found in water from two (2) on-site wells, downgradient of the tanks and a pump island. 20 shallow soil borings were drilled and sampled near the pump islands and underground tanks. Slug tests were performed in February 1989 in two on-site wells to evaluate hydraulic properties of shallow saturated material. The site assessment report was completed in the third quarter of 1989. In fourth quarter, 1990 soils with hydrocarbon concentrations at and above 100 mg/kg were excavated between the sidewalk and the canopy covering the western pump islands. Following on-site treatment, the excavated soils were removed from the site to Redwood Landfill in Novato. MW-9E was abandoned, and MW-9I was installed in approximately the same location. During the third quarter of 1991, Exxon removed and replaced the underground storage tanks and product lines.

WORK PERFORMED DURING THIS QUARTER

A utility trench investigation was completed and a report of findings prepared; the report will be submitted to ACHCSA in April 1996. Groundwater monitoring and sampling was not performed during this quarter; groundwater monitoring and sampling is performed semi-annually in May and November.

CHARACTERIZATION STATUS

The petroleum hydrocarbons in soil and groundwater have been delineated to the extent warranted by site conditions.

REMEDIATION STATUS

There is no active remediation system in operation at the site currently. However, approximately 3,200 gallons of groundwater has been extracted as part of the groundwater monitoring and sampling program.

FUTURE WORK TO BE CONDUCTED

Continue semi-annual monitoring and sampling program. Submit the results of the utility trench investigation report to ACHCSA in April 1996. Conduct an area well and sensitive receptor survey in May or June 1996 and report the findings to ACHCSA the following month. Designate and close the site under the S.B. 1764 and RWQCB interim guidance by July 1996.

CONTACTS

Texaco Refining and Marketing Inc.	Ms. Karen Petryna (510) 236-9139
Exxon Company, U.S.A.	Mr. Michael Faber (510) 246-8754
Property Owner	Exxon Company, U.S.A.
Site Contact	Exxon Company, U.S.A.
RWQCB Contact	Mr. Richard Heitt, (510) 286-4359
ACHCSA Contact	Mr. Dale Klettke, (510) 567-6880

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