



Texaco Refining
and Marketing Inc

108 Cutting Boulevard
Richmond CA 94804

ENVIRONMENTAL
PROTECTION

96 NOV -1 PM 2:06

October 29, 1996

ST10245
DK

ENV - STUDIES, SURVEYS, & REPORTS
2200 E. 12th Street, Oakland, California
Quarterly Monitoring Report

Mr. Thomas Peacock
Alameda County Health Department
1131 Harbor Way Pkwy.
Alameda, CA 94502-6577

Dear Mr. Peacock:

This letter presents the results of groundwater monitoring and sampling conducted by Blaine Tech Services, Inc. on August 22, 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.

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

Enclosure

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

RACoughlin-RRZielinski (w/o enclosure) RAOFile-UCPFile (w/enclosure)

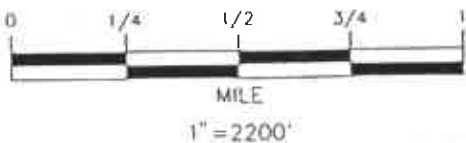
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**Groundwater Monitoring and Sampling
Third Quarter, 1996
at the
Former Texaco Service Station
2200 East 12th Street
Oakland, CA**



SOURCE:

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



TEXACO

REFINING AND MARKETING, INC.
TEXACO ENVIRONMENTAL SERVICES

PLATE I

SITE VICINITY MAP
FORMER TEXACO SERVICE STATION
2200 E. 12th ST. / 22nd AVE.,
OAKLAND, CALIFORNIA

MW-9H
0.41'

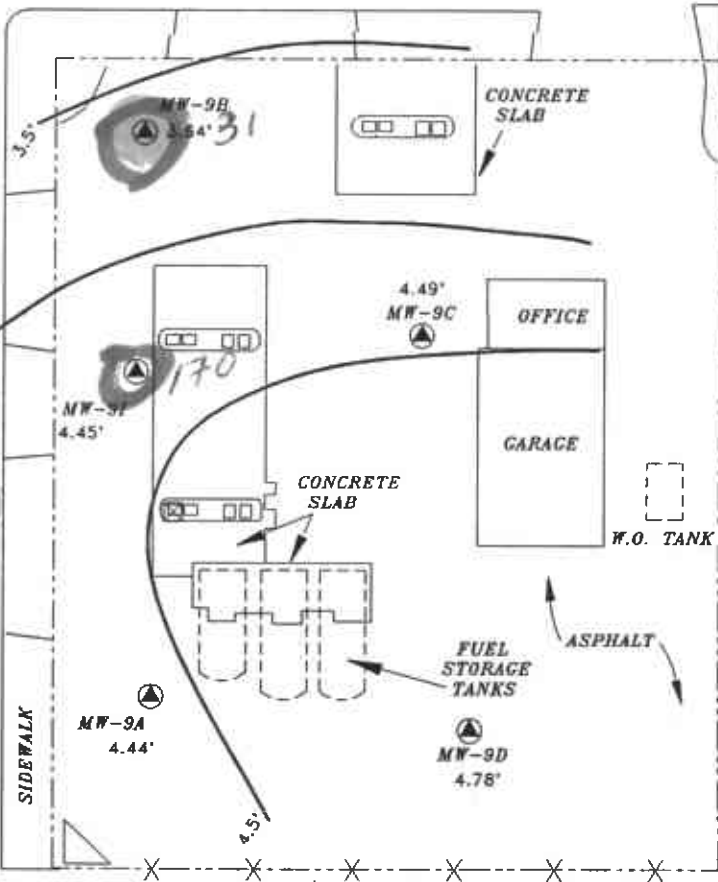
SHELL
STATION

MW-9F
2.63'

22nd AVE.

3.0'

E. 12th ST.
4.0'





COMMERCIAL


ALLEY

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

LEGEND :

-  MONITORING WELL LOCATION AND WELL NUMBER
- MW-9A
- 2.65' GROUNDWATER ELEVATION

 MTBE hits 31 (INPPB) values

 TPHg/ptex hits

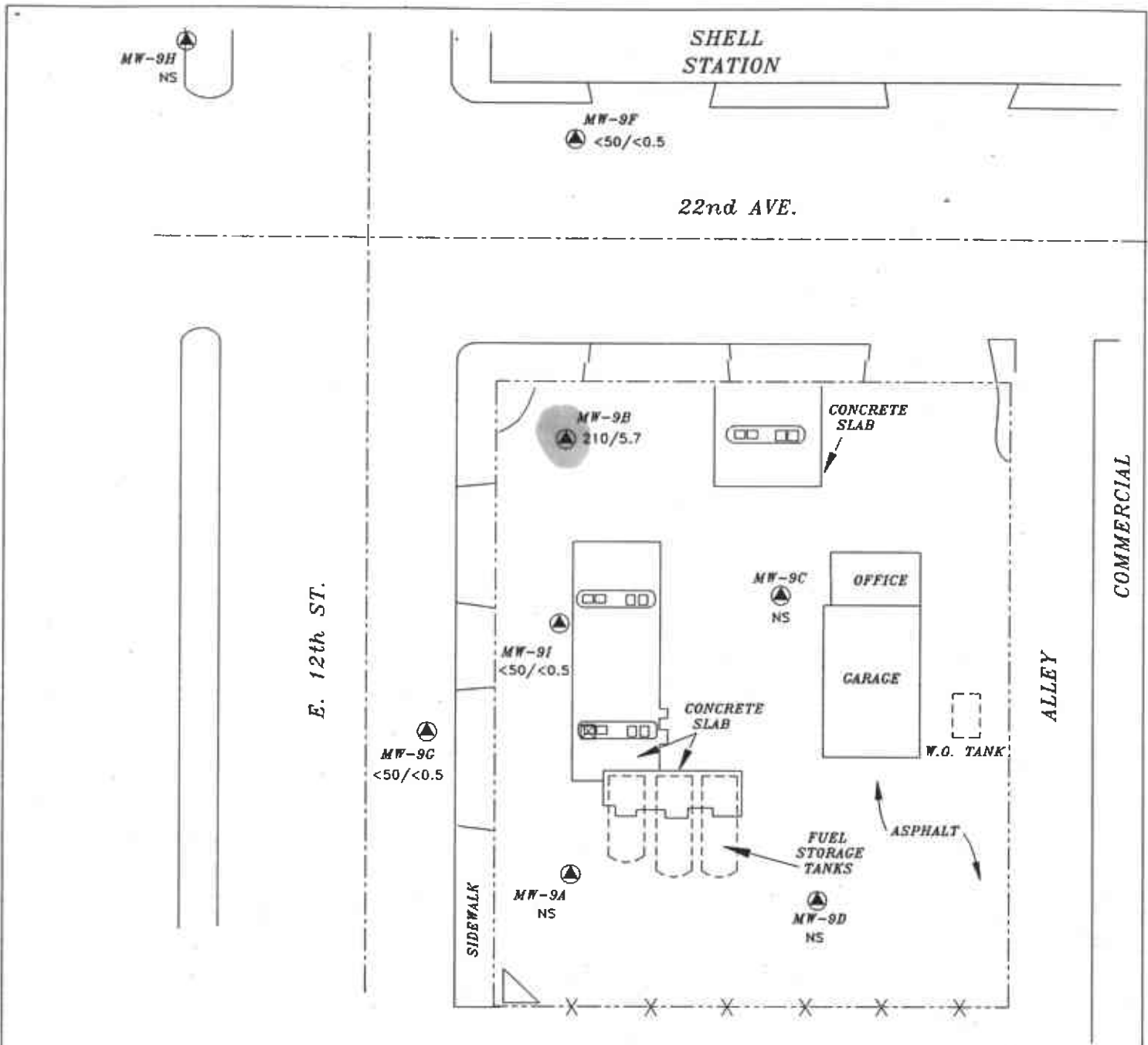


TEXACO

REFINING AND MARKETING, INC.
ENVIRONMENT, HEALTH & SAFETY

PLATE 2: GROUNDWATER GRADIENT MAP
(08/22/1996)
FORMER TEXACO SERVICE STATION
2200 E. 12th ST. / 22nd AVE.,
OAKLAND, CALIFORNIA

SCALE	1" = 40'-0"	PROJ. CODE	62-488-0088
DRAWN BY	RD	DATE	10/24/1996
CHECKED BY		DATE	
DRAWING NO.	(OAKLAND) 12-22-OK.DWG		



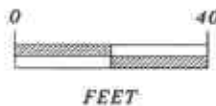
SOURCE : MATTESON ENGINEERING CONDUCTED SURVEY ON 08/04/1994

LEGEND :

 MONITORING WELL LOCATION
 AND WELL NUMBER

<50/<0.5 TPHg/BENZENE CONCENTRATION IN GROUNDWATER (ppb)

NS NOT SAMPLED




 TEXACO <small>REFINING AND MARKETING, INC. ENVIRONMENT, HEALTH & SAFETY</small>			
PLATE 3: TPHg/BENZENE CONCENTRATION (08/22/1996) FORMER TEXACO SERVICE STATION 2200 E. 12th ST. / 22nd AVE., OAKLAND, CALIFORNIA			
SCALE	1" = 40'-0"	PROJ. CODE	62-488-0058
DRAWN BY	RD	DATE	10/24/1996
CHECKED BY		DATE	
DRAWING NO.	(OAKLAND) 12-22-0K.DWC		

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
	8/22/96		7.02	4.44
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
	8/22/96		6.16	3.64

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-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
8/22/96		6.65	4.49	
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
8/22/96		8.12	4.78	

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-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
8/22/96		5.74	2.63	
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
8/22/96		5.57	4.38	

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
	8/22/96		8.17	0.41
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
	8/22/96		5.66	4.45
* = 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					
	8/22/96	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
	8/22/96	210	5.7	6.8	1.1	9.2	31

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-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					
8/22/96	Not Sampled						
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					
8/22/96	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-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
	8/22/96	<50	<0.5	<0.5	<0.5	<0.5	5.8
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
	8/22/96	<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						
	8/22/96	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		
8/22/96	<50	<0.5	<0.5	<0.5	<0.5	170		
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

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

LOG NO: G96-08-578

Received: 23 AUG 96
Mailed : 06 SEP 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

Page 1

LOG NO	08-578-1	08-578-2	08-578-3
DATE SAMPLED	22 AUG 96	22 AUG 96	22 AUG 96
SAMPLE DESCRIPTION	MW-9B	MW-9G	MW-9F
AQUEOUS			
GRO (8015M.TX)			
Date Analyzed	08/30/96	08/30/96	08/30/96
Dilution Factor, Times	1	1	1
Benzene, ug/L	5.7	<0.5	<0.5
Toluene, ug/L	6.8	<0.5	<0.5
Ethylbenzene, ug/L	1.1	<0.5	<0.5
Methyl-tert-butylether, ug/L	42	<30	<30
Total Xylene Isomers, ug/L	9.2	<0.5	<0.5
Carbon Range, .	C6-C12	C6-C12	C6-C12
TPH (Gasoline Range), ug/L	210	<50	<50
Surrogates **			
a,a,a-Trifluorotoluene Rep., ug/L	44.5	46.7	44.9
a,a,a-Trifluorotoluene Th., ug/L	50.0	50.0	50.0

Karen Petryna
2200 E. 12th St., Oakland
Alameda County.

BCA

B C Analytical

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

LOG NO: G96-08-578

Received: 23 AUG 96
Mailed : 06 SEP 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

Page 2

LOG NO	08-578-1	08-578-2	08-578-3
DATE SAMPLED	22 AUG 96	22 AUG 96	22 AUG 96
SAMPLE DESCRIPTION	MW-9B	MW-9G	MW-9F
AQUEOUS			
Vol.Pri.Poll. (8240)			
Date Analyzed	09/03/96	09/05/96	09/05/96
Dilution Factor, Times	1	1	1
1,1,1-Trichloroethane, ug/L	<1	<1	<1
1,1,2,2-Tetrachloroethane, ug/L	<1	<1	<1
1,1,2-Trichloroethane, ug/L	<1	<1	<1
1,1-Dichloroethane, ug/L	<1	<1	<1
1,1-Dichloroethene, ug/L	<1	<1	<1
1,2-Dichloroethane, ug/L	<1	<1	<1
1,2-Dichlorobenzene, ug/L	<1	<1	<1
1,2-Dichloropropane, ug/L	<1	<1	<1
1,3-Dichlorobenzene, ug/L	<1	<1	<1
1,4-Dichlorobenzene, ug/L	<1	<1	<1



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REPORT OF ANALYTICAL RESULTS

Page 3

LOG NO	08-578-1	08-578-2	08-578-3
DATE SAMPLED	22 AUG 96	22 AUG 96	22 AUG 96
SAMPLE DESCRIPTION	MW-9B	MW-9G	MW-9F
AQUEOUS			
2-Chloroethylvinylether, ug/L	<5	<5	<5
2-Hexanone, ug/L	<5	<5	<5
Acetone, ug/L	<20	<20	<20
Acrolein, ug/L	<50	<50	<50
Acrylonitrile, ug/L	<50	<50	<50
Bromodichloromethane, ug/L	<1	<1	<1
Bromomethane, ug/L	<1	<1	<1
Benzene, ug/L	4.7	<1	<1
Bromoform, ug/L	<1	<1	<1
Chlorobenzene, ug/L	<1	<1	<1
Carbon Tetrachloride, ug/L	<1	<1	<1
Chloroethane, ug/L	<1	<1	<1
Chloroform, ug/L	<1	<1	<1



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Mailed : 06 SEP 96

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Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

Page 4

LOG NO	08-578-1	08-578-2	08-578-3
DATE SAMPLED	22 AUG 96	22 AUG 96	22 AUG 96
SAMPLE DESCRIPTION	MW-9B	MW-9G	MW-9F
AQUEOUS			
Chloromethane, ug/L	<1	<1	<1
Carbon Disulfide, ug/L	<2	<2	<2
Dibromochloromethane, ug/L	<1	<1	<1
Ethylbenzene, ug/L	<1	<1	<1
Freon 113, ug/L	<2	<2	<2
Methyl ethyl ketone, ug/L	<5	<5	<5
Methyl isobutyl ketone, ug/L	<5	<5	<5
Methyl-tert-butylether, ug/L	31	18	5.8
Methylene chloride, ug/L	<2	<2	<2
Styrene, ug/L	<1	<1	<1
Trichloroethene, ug/L	<1	<1	<1
Trichlorofluoromethane, ug/L	<1	<1	<1
Toluene, ug/L	<1	<1	<1



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Requisition: 624880088
Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

Page 5

LOG NO	08-578-1	08-578-2	08-578-3
DATE SAMPLED	22 AUG 96	22 AUG 96	22 AUG 96
SAMPLE DESCRIPTION	MW-9B	MW-9G	MW-9F
AQUEOUS			
Tetrachloroethene, ug/L	<1	<1	<1
Vinyl acetate, ug/L	<10	<10	<10
Vinyl chloride, ug/L	<1	<1	<1
Total Xylene Isomers, ug/L	<3	<3	<3
cis-1,2-Dichloroethene, ug/L	<1	<1	<1
cis-1,3-Dichloropropene, ug/L	<1	<1	<1
trans-1,2-Dichloroethene, ug/L	<1	<1	<1
trans-1,3-Dichloropropene, ug/L	<1	<1	<1
Surrogates **			
1,2-Dichloroethane-d4 Rep., ug/L	55.6	52.1	51.6
1,2-Dichloroethane-d4 Theo., ug/L	50.0	50.0	50.0
4-Bromofluorobenzene Rep., ug/L	49.8	50.7	48.3
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	50.0



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LOG NO: G96-08-578

Received: 23 AUG 96
Mailed : 06 SEP 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

Page 6

LOG NO	08-578-1	08-578-2	08-578-3
DATE SAMPLED	22 AUG 96	22 AUG 96	22 AUG 96
SAMPLE DESCRIPTION	MW-9B	MW-9G	MW-9F
AQUEOUS			
Toluene-d8 Reported, ug/L	51.1	51.1	51.7
Toluene-d8 Theo., ug/L	50.0	50.0	50.0



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LOG NO: G96-08-578

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Mailed : 06 SEP 96

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Richmond, CA 94804

Purchase Order: 94-1446346+4370

Requisition: 624880088
Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

Page 7

LOG NO	08-578-4
DATE SAMPLED	22 AUG 96
SAMPLE DESCRIPTION	MW-9I
AQUEOUS	

GRO (8015M.TX)	
Date Analyzed	09/03/96
Dilution Factor, Times	1
Benzene, ug/L	<0.5
Toluene, ug/L	<0.5
Ethylbenzene, ug/L	<0.5
Methyl-tert-butylether, ug/L	200
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	55.5
a,a,a-Trifluorotoluene Th., ug/L	50.0



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LOG NO: G96-08-578

Received: 23 AUG 96
Mailed : 06 SEP 96

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Purchase Order: 94-1446346+4370

Requisition: 624880088
Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

Page 8

LOG NO 08-578-4

DATE SAMPLED 22 AUG 96
SAMPLE DESCRIPTION MW-9I
AQUEOUS

Vol.Pri.Poll. (8240)

Date Analyzed 09/05/96

Dilution Factor, Times 1

1,1,1-Trichloroethane, ug/L <1

1,1,2,2-Tetrachloroethane, ug/L <1

1,1,2-Trichloroethane, ug/L <1

1,1-Dichloroethane, ug/L <1

1,1-Dichloroethene, ug/L <1

1,2-Dichloroethane, ug/L <1

1,2-Dichlorobenzene, ug/L <1

1,2-Dichloropropane, ug/L <1

1,3-Dichlorobenzene, ug/L <1

1,4-Dichlorobenzene, ug/L <1



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LOG NO: G96-08-578

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Purchase Order: 94-1446346+4370

Requisition: 624880088
Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

Page 9

LOG NO	08-578-4
DATE SAMPLED	22 AUG 96
SAMPLE DESCRIPTION	MW-91
AQUEOUS	
2-Chloroethylvinylether, ug/L	<5
2-Hexanone, ug/L	<5
Acetone, ug/L	<20
Acrolein, ug/L	<50
Acrylonitrile, ug/L	<50
Bromodichloromethane, ug/L	<1
Bromomethane, ug/L	<1
Benzene, ug/L	<1
Bromoform, ug/L	<1
Chlorobenzene, ug/L	<1
Carbon Tetrachloride, ug/L	<1
Chloroethane, ug/L	<1
Chloroform, ug/L	<1



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Requisition: 624880088
Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

Page 10

LOG NO	08-578-4
DATE SAMPLED	22 AUG 96
SAMPLE DESCRIPTION	MW-9I
AQUEOUS	
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<1
Ethylbenzene, ug/L	<1
Freon 113, ug/L	<2
Methyl ethyl ketone, ug/L	<5
Methyl isobutyl ketone, ug/L	<5
Methyl-tert-butylether, ug/L	170
Methylene chloride, ug/L	<2
Styrene, ug/L	<1
Trichloroethene, ug/L	<1
Trichlorofluoromethane, ug/L	<1
Toluene, ug/L	<1

The logo for B C Analytical, consisting of the letters 'BCA' in a bold, sans-serif font, enclosed within a dark square.

B C Analytical

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LOG NO: G96-08-578

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REPORT OF ANALYTICAL RESULTS

Page 11

LOG NO	08-578-4
DATE SAMPLED	22 AUG 96
SAMPLE DESCRIPTION	MW-91
AQUEOUS	
Tetrachloroethene, ug/L	<1
Vinyl acetate, ug/L	<10
Vinyl chloride, ug/L	<1
Total Xylene Isomers, ug/L	<3
cis-1,2-Dichloroethene, ug/L	<1
cis-1,3-Dichloropropene, ug/L	<1
trans-1,2-Dichloroethene, ug/L	<1
trans-1,3-Dichloropropene, ug/L	<1
Surrogates **	
1,2-Dichloroethane-d4 Rep., ug/L	52.8
1,2-Dichloroethane-d4 Theo., ug/L	50.0
4-Bromofluorobenzene Rep., ug/L	49.2
4-Bromofluorobenzene Theo., ug/L	50.0

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Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

Page 12

LOG NO	08-578-4
DATE SAMPLED	22 AUG 96
SAMPLE DESCRIPTION	MW-9I
AQUEOUS	
Toluene-d8 Reported, ug/L	51.8
Toluene-d8 Theo., ug/L	50.0



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LOG NO: G96-08-578

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108 Cutting Boulevard
Richmond, CA 94804

Purchase Order: 94-1446346+4370

Requisition: 624880088
Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

Page 13

LOG NO	08-578-5
DATE SAMPLED	22 AUG 96
SAMPLE DESCRIPTION	Equip Blank
AQUEOUS	
GRO (8015M.TX)	
Date Analyzed	08/30/96
Dilution Factor, Times	1
Benzene, ug/L	<0.5
Toluene, ug/L	<0.5
Ethylbenzene, ug/L	<0.5
Methyl-tert-butylether, ug/L	<30
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	45.3
a,a,a-Trifluorotoluene Th., ug/L	50.0



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LOG NO: G96-08-578

Received: 23 AUG 96
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Requisition: 624880088
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REPORT OF ANALYTICAL RESULTS

Page 14

LOG NO	08-578-5
DATE SAMPLED	22 AUG 96
SAMPLE DESCRIPTION	Equip Blank
AQUEOUS	

Vol.Pri.Poll. (8240)	
Date Analyzed	09/05/96
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<1
1,1,2,2-Tetrachloroethane, ug/L	<1
1,1,2-Trichloroethane, ug/L	<1
1,1-Dichloroethane, ug/L	<1
1,1-Dichloroethene, ug/L	<1
1,2-Dichloroethane, ug/L	<1
1,2-Dichlorobenzene, ug/L	<1
1,2-Dichloropropane, ug/L	<1
1,3-Dichlorobenzene, ug/L	<1
1,4-Dichlorobenzene, ug/L	<1



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REPORT OF ANALYTICAL RESULTS

Page 15

LOG NO	08-578-5
DATE SAMPLED	22 AUG 96
SAMPLE DESCRIPTION	Equip Blank
AQUEOUS	
2-Chloroethylvinylether, ug/L	<5
2-Hexanone, ug/L	<5
Acetone, ug/L	<20
Acrolein, ug/L	<50
Acrylonitrile, ug/L	<50
Bromodichloromethane, ug/L	<1
Bromomethane, ug/L	<1
Benzene, ug/L	<1
Bromoform, ug/L	<1
Chlorobenzene, ug/L	<1
Carbon Tetrachloride, ug/L	<1
Chloroethane, ug/L	<1
Chloroform, ug/L	<1



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REPORT OF ANALYTICAL RESULTS

Page 16

LOG NO	08-578-5
DATE SAMPLED	22 AUG 96
SAMPLE DESCRIPTION	Equip Blank
AQUEOUS	
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<1
Ethylbenzene, ug/L	<1
Freon 113, ug/L	<2
Methyl ethyl ketone, ug/L	<5
Methyl isobutyl ketone, ug/L	<5
Methyl-tert-butylether, ug/L	<1
Methylene chloride, ug/L	<2
Styrene, ug/L	<1
Trichloroethene, ug/L	<1
Trichlorofluoromethane, ug/L	<1
Toluene, ug/L	<1

The logo for B C Analytical, consisting of the letters 'BCA' in a bold, serif font, enclosed within a black square.

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Requisition: 624880088
Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

Page 17

LOG NO	08-578-5
DATE SAMPLED	22 AUG 96
SAMPLE DESCRIPTION	Equip Blank
AQUEOUS	
Tetrachloroethene, ug/L	<1
Vinyl acetate, ug/L	<10
Vinyl chloride, ug/L	<1
Total Xylene Isomers, ug/L	<3
cis-1,2-Dichloroethene, ug/L	<1
cis-1,3-Dichloropropene, ug/L	<1
trans-1,2-Dichloroethene, ug/L	<1
trans-1,3-Dichloropropene, ug/L	<1
Surrogates **	
1,2-Dichloroethane-d4 Rep., ug/L	51.1
1,2-Dichloroethane-d4 Theo., ug/L	50.0
4-Bromofluorobenzene Rep., ug/L	48.8
4-Bromofluorobenzene Theo., ug/L	50.0



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Requisition: 624880088
Project: FKEP1016L

REPORT OF ANALYTICAL RESULTS

Page 18

LOG NO	08-578-5
DATE SAMPLED	22 AUG 96
SAMPLE DESCRIPTION	Equip Blank
AQUEOUS	
Toluene-d8 Reported, ug/L	52.1
Toluene-d8 Theo., ug/L	50.0


Greta Galoustian, Laboratory Director

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.

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: ORDER PLACED FOR CLIENT: Texaco Environmental Services 9608578 :
: BC ANALYTICAL : GLEN LAB : 16:18:08 23 OCT 1996 - P. 1 :
=====

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE.....	METHOD.....	EQUIP.	BATCH..	ID.NO
			ANALYZED				
9608578*1	MW-9B	GAS.MTBE.TESNC	08.30.96	8015M.TX	536-23	965115	8171
		VOA.8240.HSL	09.03.96	8240	537-01	961211	8659
9608578*2	MW-9G	GAS.MTBE.TESNC	08.30.96	8015M.TX	536-23	965115	8171
		VOA.8240.HSL	09.05.96	8240	537-01	961212	8659
9608578*3	MW-9F	GAS.MTBE.TESNC	08.30.96	8015M.TX	536-23	965115	8171
		VOA.8240.HSL	09.05.96	8240	537-01	961212	8659
9608578*4	MW-9I	GAS.MTBE.TESNC	09.03.96	8015M.TX	536-35	964134	6843
		VOA.8240.HSL	09.05.96	8240	537-01	961212	8659
9608578*5	Equip Blank	GAS.MTBE.TESNC	08.30.96	8015M.TX	536-23	965115	8171
		VOA.8240.HSL	09.05.96	8240	537-01	961212	8659

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

AQUEOUS SAMPLES

	----- METHOD BLANK -----				----- LAB CONTROL -----								----- MATRIX QC -----								
	UNITS	RESULT	RDL	FLG	LCS		LCSD		LCL	UCL	RPD	RPD	MS		MSD		LCL	UCL	RPD	RPD	
					%REC	FLG	%REC	FLG					%REC	FLG	%REC	FLG					
Batch: VOA*961211 Method: 8240 - GC/MS for Volatile Organics, con't																					
Vinyl acetate	ug/L	0	10	-	108	-	-	-	44	158	-	-	-	-	-	-	-	-	-	-	
Vinyl chloride	ug/L	0	1	-	101	-	-	-	56	144	-	-	-	-	-	-	-	-	-	-	
Total Xylene Isomers	ug/L	0	3	-	97	-	-	-	72	133	-	-	-	-	-	-	-	-	-	-	
cis-1,2-Dichloroethene	ug/L	0	1	-	110	-	-	-	74	124	-	-	-	-	-	-	-	-	-	-	
cis-1,3-Dichloropropene	ug/L	0	1	-	90	-	-	-	79	124	-	-	-	-	-	-	-	-	-	-	
trans-1,2-Dichloroethene	ug/L	0	1	-	104	-	-	-	69	130	-	-	-	-	-	-	-	-	-	-	
trans-1,3-Dichloropropene	ug/L	0	1	-	92	-	-	-	70	133	-	-	-	-	-	-	-	-	-	-	
[1,2-Dichloroethane-d4]	Percent	115	-	Q	125	Q	-	-	79	114	-	-	-	115	Q	116	Q	79	114	-	-
[4-Bromofluorobenzene]	Percent	92	-	-	105	-	-	-	85	111	-	-	-	109	-	102	-	85	111	-	-
[Toluene-d8]	Percent	102	-	-	99	-	-	-	92	110	-	-	-	101	-	101	-	92	110	-	-

AQUEOUS SAMPLES	----- METHOD BLANK -----			----- LAB CONTROL -----						----- MATRIX QC -----										
	UNITS	RESULT	RDL FLG	LCS %REC FLG	LCS %REC FLG	LCS %REC FLG	LCL	UCL	RPD	RPD	RPD	RPD	MS %REC FLG	MSD %REC FLG	LCL	UCL	RPD	RPD	RPD	RPD
Batch: VOA*961212 Method: 8240 - GC/MS for Volatile Organics, con't																				
Vinyl acetate	ug/L	0	10 -	98 -	-	-	44	158	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	1 -	144 -	-	-	56	144	-	-	-	-	-	-	-	-	-	-	-	-
Total Xylene Isomers	ug/L	0	3 -	99 -	-	-	72	133	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1 -	104 -	-	-	74	124	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1 -	90 -	-	-	79	124	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1 -	106 -	-	-	69	130	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1 -	89 -	-	-	70	133	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	104	- -	112 -	-	-	79	114	-	-	-	112	-	112	-	79	114	-	-	-
[4-Bromofluorobenzene]	Percent	96	- -	94 -	-	-	85	111	-	-	-	102	-	98	-	85	111	-	-	-
[Toluene-d8]	Percent	100	- -	99 -	-	-	92	110	-	-	-	103	-	101	-	92	110	-	-	-
Batch: GAS*964134 Method: 8015M.TX - Modified 8015																				
Benzene	ug/L	0	0.5 -	148 -	-	-	76	155	-	-	-	147	-	153	-	70	153	4	25	-
Toluene	ug/L	0	0.5 -	94 -	-	-	72	121	-	-	-	90	-	95	-	69	119	5	25	-
Ethylbenzene	ug/L	0	0.5 -	91 -	-	-	72	115	-	-	-	89	-	92	-	68	116	4	25	-
Methyl-tert-butylether	ug/L	0	30 -	138 -	-	-	62	159	-	-	-	132	-	134	-	80	176	1	25	-
Total Xylene Isomers	ug/L	0	0.5 -	87 -	-	-	68	115	-	-	-	85	-	88	-	61	118	4	25	-
TPH (Gasoline Range)	ug/L	0	50 -	103 -	-	-	85	120	-	-	-	105	-	107	-	78	124	3	25	-
[a,a,a-Trifluorotoluene]	Percent	113	- -	131 Q	-	-	85	118	-	-	-	129 Q	-	130 Q	-	85	118	-	-	-
Batch: GAS*965115 Method: 8015M.TX - Modified 8015																				
Benzene	ug/L	0	0.5 -	89 -	-	-	76	155	-	-	-	81	-	83	-	70	153	2	25	-
Toluene	ug/L	0	0.5 -	93 -	-	-	72	121	-	-	-	82	-	87	-	69	119	6	25	-
Ethylbenzene	ug/L	0	0.5 -	91 -	-	-	72	115	-	-	-	81	-	86	-	68	116	5	25	-
Methyl-tert-butylether	ug/L	0	30 -	104 -	-	-	62	159	-	-	-	-	-	-	-	-	-	-	-	-
Total Xylene Isomers	ug/L	0	0.5 -	95 -	-	-	68	115	-	-	-	86	-	91	-	61	118	6	25	-
TPH (Gasoline Range)	ug/L	0	50 -	96 -	-	-	85	120	-	-	-	105	-	108	-	78	124	3	25	-
[a,a,a-Trifluorotoluene]	Percent	89	- -	97 -	-	-	85	118	-	-	-	94	-	92	-	85	118	-	-	-

: SURROGATE RECOVERIES :

: BC ANALYTICAL : GLEN LAB : 16:19:41 23 OCT 1996 - P. 1 :

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METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
3608578*1							
3015M.TXa	a,a,a-Trifluorotoluene	Re965115	08/30/96	44.5	50.0	89	
3240	1,2-Dichloroethane-d4	Rep961211	09/03/96	55.6	50.0	111	
	Toluene-d8	961211	09/03/96	51.1	50.0	102	
	4-Bromofluorobenzene	Rep.961211	09/03/96	49.8	50.0	100	
3608578*2							
3015M.TXa	a,a,a-Trifluorotoluene	Re965115	08/30/96	46.7	50.0	93	
3240	1,2-Dichloroethane-d4	Rep961212	09/05/96	52.1	50.0	104	
	Toluene-d8	961212	09/05/96	51.1	50.0	102	
	4-Bromofluorobenzene	Rep.961212	09/05/96	50.7	50.0	101	
3608578*3							
3015M.TXa	a,a,a-Trifluorotoluene	Re965115	08/30/96	44.9	50.0	90	
3240	1,2-Dichloroethane-d4	Rep961212	09/05/96	51.6	50.0	103	
	Toluene-d8	961212	09/05/96	51.7	50.0	103	
	4-Bromofluorobenzene	Rep.961212	09/05/96	48.3	50.0	97	
3608578*4							
3015M.TXa	a,a,a-Trifluorotoluene	Re964134	09/03/96	55.5	50.0	111	
3240	1,2-Dichloroethane-d4	Rep961212	09/05/96	52.8	50.0	106	
	Toluene-d8	961212	09/05/96	51.8	50.0	104	
	4-Bromofluorobenzene	Rep.961212	09/05/96	49.2	50.0	98	
3608578*5							
3015M.TXa	a,a,a-Trifluorotoluene	Re965115	08/30/96	45.3	50.0	91	
3240	1,2-Dichloroethane-d4	Rep961212	09/05/96	51.1	50.0	102	
	Toluene-d8	961212	09/05/96	52.1	50.0	104	
	4-Bromofluorobenzene	Rep.961212	09/05/96	48.8	50.0	98	

G9608578 G9608518

Chain-of-Custody

Page ___ of ___

Texaco Environmental Services
 108 Cutting Boulevard
 Richmond, California 94804
 Phone: (510) 236-3541
 FAX: (510) 237-7821

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

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

Laboratory: BC Analytical
 Turn Around Time: normal (10 day)
 Samplers (PRINT NAME): Joe Carrera
 Sampler Signature: [Signature]
 Date Samples Collected: 8-22-96

ANALYSIS												Comments
TPH gas/BTEX	TPH Diesel	O&G/TRPH (418.1)	TPH Ex. (C6-C36+)	VOCs 8240/824	P. Halocarbons 8010/60	P. Aromatics 8020/602	Organic Lead	MTBE				
												G9608578
MW-9B												
MW-9G												
MW-9F												
MW-9E												
Equip Bank												

Relinquished by: [Signature] Date: 8/23/96 Time: 3:00
 Relinquished by: [Signature] Date: 8-23-96 Time: 4:45
 Relinquished by: [Signature] Date: 8/26/96 Time: 5:10

Received by: [Signature] Date: 8-23-96 Time: 3:00
 Received by: [Signature] Date: 8/23/96 Time: 4:45
 Received by: [Signature] Date: 8/27/96 Time: 0800

Method of Shipment: _____

Lab Comments: _____

TEXACO WELL MONITORING DATA SHEET

Project #: <u>960822-43</u>	Texaco ID#: <u>624880088</u>
Sampler: <u>2</u>	Date: <u>8-22-96</u>
Well I.D.: <u>MW-9G</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>14.00</u>	Depth to Water: <u>5.57</u>
Depth to Free Product:	Thickness of Free Product:

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

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

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

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

<u>5.4</u>	x	<u>3</u>	=	<u>16.4</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
15:07	<u>74.4</u>	<u>8.0</u>	<u>600</u>	<u>22.8</u>	<u>5.5</u>	-
15:09	<u>74.0</u>	<u>6.8</u>	<u>620</u>	<u>17.0</u>	<u>11.0</u>	-
15:11	<u>74.0</u>	<u>6.7</u>	<u>660</u>	<u>18.3</u>	<u>16.5</u>	-

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>16.5</u>
Sampling Time: <u>15:15</u>	Sampling Date: <u>8-22-96</u>
Sample I.D.: <u>MW9G</u>	Laboratory: <u>BC Analytical</u>
Analyzed for: <u>Tph-G BTEX</u> Tph-D	Other: <u>8240</u>
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: <u>960822-13</u>	Texaco ID#: <u>624-880088</u>
Sampler: <u>gc</u>	Date: <u>8-22-96</u>
Well I.D.: <u>MW-913</u>	Well Diameter: <u>(2)</u> 3 4 6 8 <u> </u>
Total Well Depth: <u>17.55</u>	Depth to Water: <u>6.10</u>
Depth to Free Product: <u> </u>	Thickness of Free Product: <u> </u>
All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.	

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

Purge Method: <u>S.S. Bailer</u> Teflon Bailer Middleburg <u>Electric Submersible</u> Extraction Pump Other: <u> </u>	Sampling Method: <u>S.S. Bailer</u> Teflon Bailer Extraction Port Other: <u> </u>
--	--

<u>1.8</u>	<u>x</u>	<u>3</u>	<u>=</u>	<u>5.4</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
<u>15:31</u>	<u>75.6</u>	<u>7.2</u>	<u>600</u>	<u>>200</u>	<u>2.0</u>	<u>—</u>
<u>15:35</u>	<u>76.0</u>	<u>7.2</u>	<u>620</u>	<u>>200</u>	<u>4.0</u>	<u>—</u>
<u>15:39</u>	<u>75.2</u>	<u>6-8</u>	<u>620</u>	<u>>200</u>	<u>5.5</u>	<u>—</u>

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>5.5</u>
Sampling Time: <u>15:45</u>	Sampling Date: <u>8-22-96</u>
Sample I.D.: <u>MW-913</u>	Laboratory: <u>BC Analytical</u>
Analyzed for: <u>Tph-G BTEX</u> Tph-D Other: <u>8240</u>	
Equipment Blank I.D.: <u>EB TAKEN AT 15:23</u>	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 960822-43	Texaco ID#: 624880088
Sampler: 2	Date: 8-22-96
Well I.D.: MW-9I	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 13.80	Depth to Water: 12.80 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	radius ² * 0.164

Purge Method: S.S. Bailer Sampling Method: S.S. Bailer
 Teflon Bailer Teflon Bailer
 Middleburg Extraction Port
Electric Submersible Other: _____
 Extraction Pump
 Other: _____

5.2	x	3	=	15.8	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume.	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
15:48	78.8	7.3	1000	19.0	5.5	
15:50	78.2	6.8	1000	11.8	11.0	
15:52	78.0	6.8	1000	13.4	16.0	

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Gallons actually evacuated: 16.0
Sampling Time: 15:55	Sampling Date: 8-22-96
Sample I.D.: MW-9I	Laboratory: BC Analytical
Analyzed for: <u>Tph-G BTEX</u> Tph-D	Other: MPI 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 destination point; from one Texaco facility to the designated destination point via another Texaco facility; from a Texaco facility via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of Texaco Environmental Services (TES).

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

TEXACO #: 624880088
 Address: 9200 E. 12th
 City, State, ZIP: Oakland, CA

Well I.D.	Gals.	Well I.D.	Gals.
MW-9B	1 5.5		1
MW-9G	1 16.5		1
MW-9F	1 16.5		1
MW-9I	1 16.0		1
	1		1
	1		1
	1		1
	1		1
	1		1
	1		1
	1		1

Total gals. 54.5 added rinse water 5

Total Gals. Recovered 59.5

Job #: 960822-4B
 Date: 8-22-96
 Time: 16:00
 Signature: JR Carver

REC'D AT: _____
 Date: _____
 Time: _____
 Signature: _____