Texaco Refining and Marketing Inc
108 Cutting Boulevard
Richmond CA 94804

November 17, 1995

ENV - STUDIES, SURVEYS, & REPORTS
1127 Lincoln Avenue
Alameda, California

Ms. Juliet Shin
Alameda County Environmental
Health Department
80 Swan Way, Room 200
Oakland, CA 94621

Dear Ms. Shin:

This letter presents the results of groundwater monitoring and sampling conducted by Blaine Tech Services, Inc. on August 22, 1995, at the site referenced above (see Plate 1, Site Vicinity Map). The gradient map has been reviewed by a registered professional (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, along with Texaco Environmental Services' Standard Operating Procedures.

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\1127L\QMR.LET

Enclosures

cc: Mr. Richard Hiett
CRWQCB - San Francisco Bay Region
2101 Webster St., Suite 500
Oakland, CA 94621

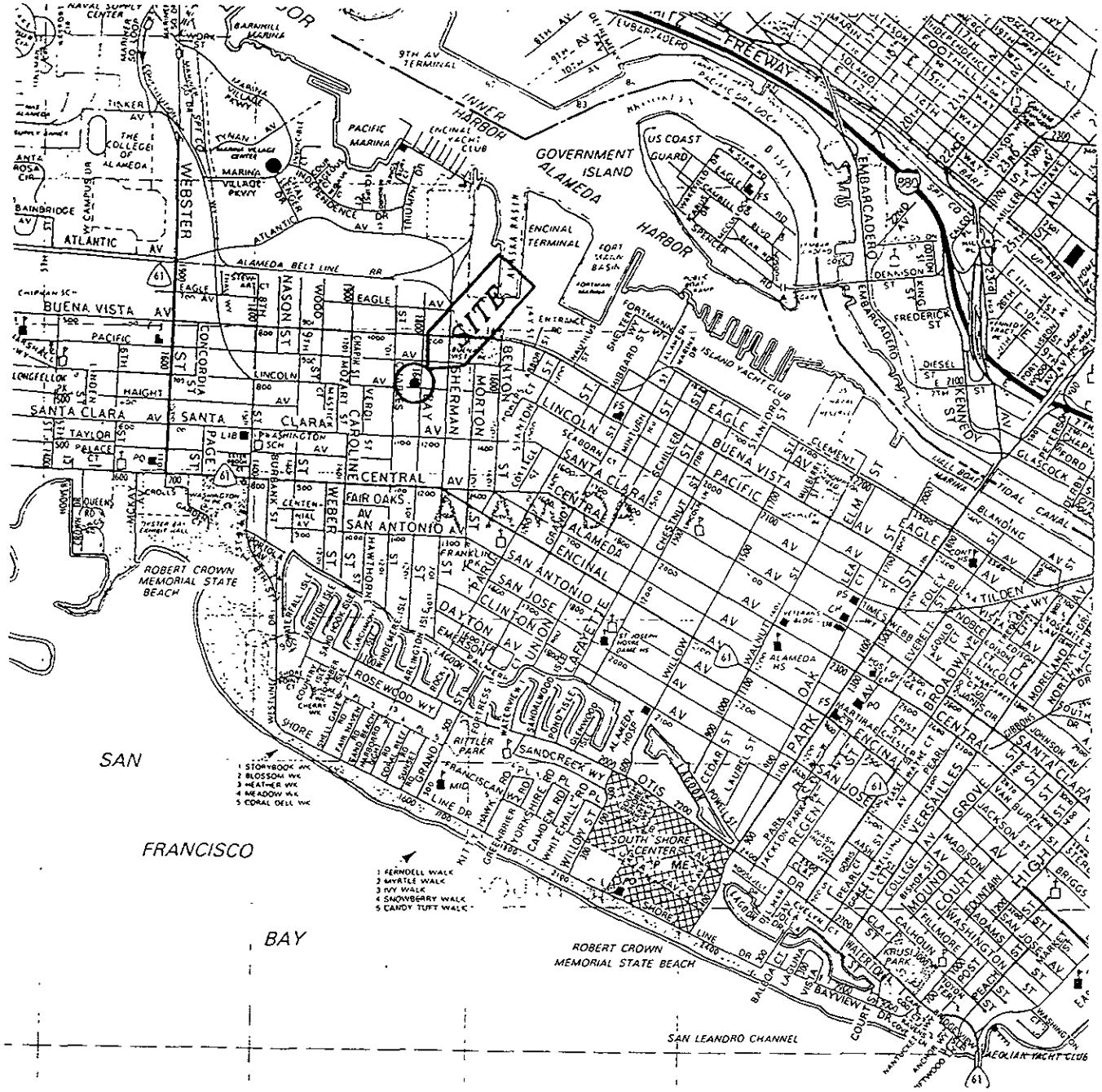
Mr. Leo Pagano
1127 Lincoln Avenue
Alameda, CA

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

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

pr: KEP

GROUNDWATER MONITORING AND SAMPLING
Third Quarter, 1995
at the
Former Texaco Service Station
1127 Lincoln Avenue
Alameda, California

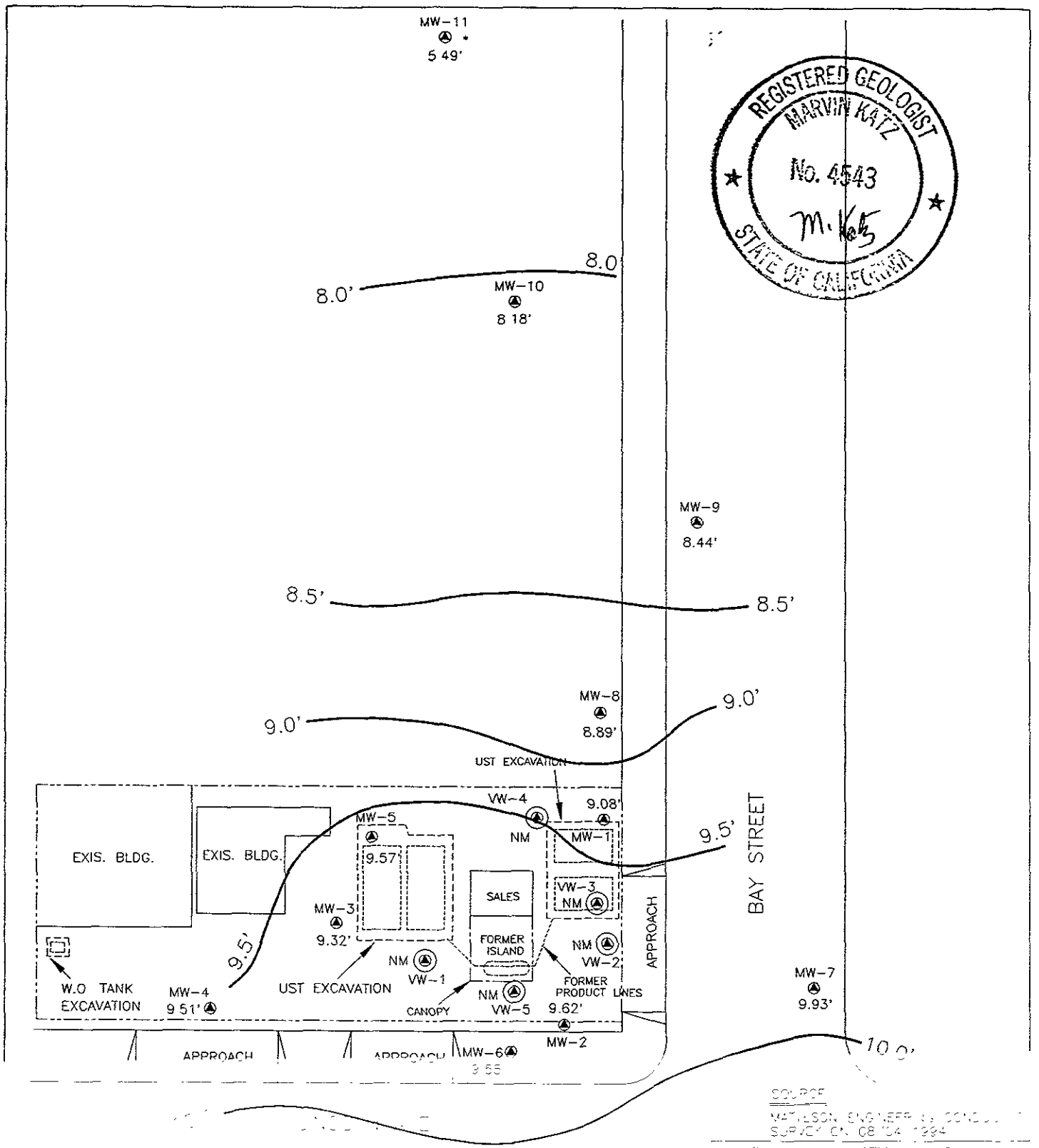


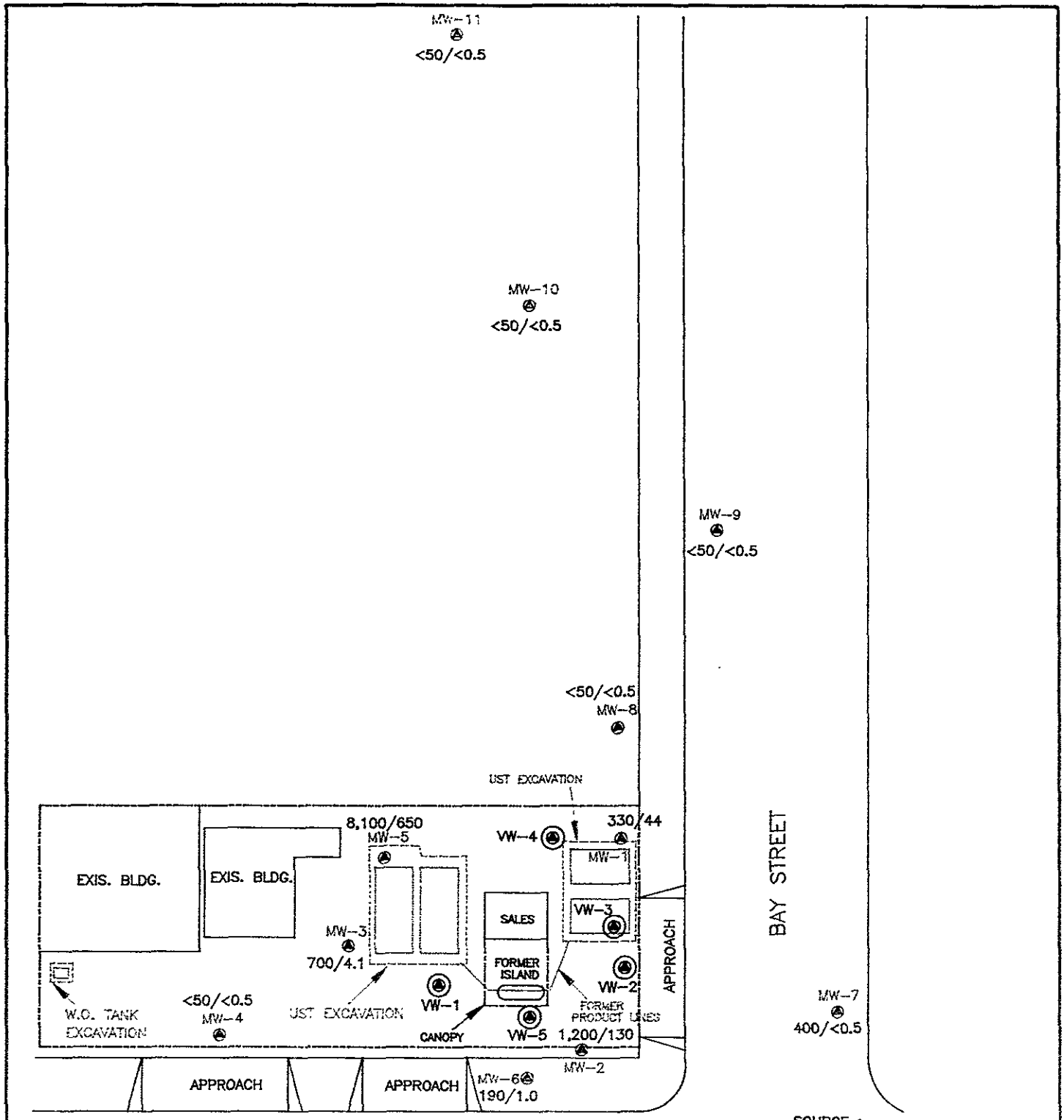
SOURCE:

1993 THE THOMAS GUIDE

TEXACO

PLATE


MW-11
5.49'
REGISTERED GEOLOGIST
MARVIN KATZ
No. 4543
STATE OF CALIFORNIA
8.0'
8.0
MW-10
8.18'
MW-9
8.44'
8.5'
8.5'
MW-8
8.89'
9.0'
9.0'
UST EXCAVATION
VW-4
9.08'
NM
MW-1
MW-5
9.57'
9.5'
BAY STREET
EXIS. BLDG.
EXIS. BLDG.
SALES
VW-3
NM
MW-3
9.32'
FORMER ISLAND
NM
VW-2
APPROACH
NM
VW-1
W.O TANK EXCAVATION
MW-4
9.51'
UST EXCAVATION
FORMER PRODUCT LINES
NM
VW-5
CANOPY
9.62'
MW-7
9.93'
MW-2
APPROACH
APPROACH
MW-6
9.55
10.0'



SOURCE :

MATTESON ENGINEERING CONDUCTED SURVEY ON 08/04/1994

LEGEND :

VAPOR EXTRACTION MONITORING WELL LOCATION AND WELL NUMBER

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

0 30

FEET

TEXACO

REFINING AND MARKETING INC.
TEXACO ENVIRONMENTAL SERVICES

PLATE 3 TPHg/BENZENE CONCENTRATION IN GROUNDWATER
(08/22/1995)

FORMER TEXACO SERVICE STATION

1127 LINCOLN AVE. / BAY ST.
ALAMEDA, CALIFORNIA

SCALE	1"=30'-0"	LOCATION #	62-486-1450
DRAWN BY	AMA	DATE	11/03/1995
CHECKED BY		DATE	
DRAWING NO.	(ALAMEDA) LI-BY-AL.DWG		

Table 1
Groundwater Elevation Data
1127 Lincoln Avenue, Alameda, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)		Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-1	2/19/92	16.49			
	1/26/93			5.63	10.86
	2/4/93			6.02	10.47
	3/9/93			5.92	10.57
	5/6/93			6.76	9.73
	6/15/93			6.81	9.68
	7/26/93			Inaccessible - VES	
	8/31/93			Inaccessible - VES	
	9/27/93			Inaccessible - VES	
	10/19/93			Inaccessible - VES	
	11/15/93			Inaccessible - VES	
	12/17/93			Inaccessible - VES	
	2/7/94			Inaccessible - VES	
	5/20/94			Inaccessible - VES	
	8/22/94	16.14	*	7.78	8.36
	11/2/94			Inaccessible - VES	
	2/14/95			15.16	0.98
	5/19/95			13.90	2.24
	8/22/95			7.06	9.08
MW-2	2/19/92	17.14			
	1/26/93			6.29	10.85
	2/4/93			6.60	10.54
	3/9/93			6.36	10.78
	5/6/93			6.37	10.77
	6/15/93			7.04	10.10
	7/26/93			Inaccessible - VES	
	8/31/93			Inaccessible - VES	
	9/27/93			Inaccessible - VES	
	10/19/93			Inaccessible - VES	
	11/15/93			Inaccessible - VES	
	12/17/93			Inaccessible - VES	
	2/7/94			Inaccessible - VES	
	5/20/94			Inaccessible - VES	
	8/22/94	16.84	*	8.08	8.76
	11/2/94			Inaccessible - VES	
	2/14/95			Inaccessible - VES	
	5/19/95			11.77	5.07
	8/22/95			7.22	9.62

Table 1
Groundwater Elevation Data
1127 Lincoln Avenue, Alameda, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)		Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-3	2/19/92	16.91			
	1/26/93			5.82	11.09
	2/4/93			6.01	10.90
	3/9/93			5.88	11.03
	5/6/93			6.38	10.53
	6/15/93			Inaccessible - VES	
	7/26/93			7.22	9.69
	8/31/93			7.87	9.04
	9/27/93			8.58	8.33
	10/19/93			9.13	7.78
	11/15/93			8.84	8.07
	12/17/93			7.80	9.11
	2/7/94			8.43	8.48
	5/20/94			6.79	10.12
	8/22/94	16.86	*	8.32	8.54
	11/2/94			10.98	5.88
	2/14/95			7.93	8.93
	5/19/95			8.44	8.42
	8/22/95			7.54	9.32
MW-4	6/25/92	17.18			
	1/26/93			5.91	11.27
	2/4/93			6.14	11.04
	3/9/93			5.81	11.37
	5/6/93			6.49	10.69
	6/15/93			6.34	10.84
	7/26/93			7.29	9.89
	8/31/93			8.02	9.16
	9/27/93			Inaccessible - Car On Well	
	10/19/93			9.14	8.04
	11/15/93			9.01	8.17
	12/17/93			7.91	9.27
	2/7/94			8.02	9.16
	5/20/94			6.85	10.33
	8/22/94	17.13	*	8.48	8.65
	11/2/94			10.52	6.61
	2/14/95			6.99	10.14
	5/19/95			7.61	9.52
	8/22/95			7.62	9.51

Table 1
Groundwater Elevation Data
1127 Lincoln Avenue, Alameda, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)		Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-5	6/25/92	16.37			
	1/26/93			Not Monitored	
	2/4/93			Inaccessible	
	3/9/93			5.45	10.92
	5/6/93			6.00	10.37
	6/15/93			7.81	8.56
	7/26/93			Inaccessible - VES	
	8/31/93			Inaccessible - VES	
	9/27/93			Inaccessible - VES	
	10/19/93			Inaccessible - VES	
	11/15/93			Inaccessible - VES	
	12/17/93			Inaccessible - VES	
	2/7/94			Inaccessible - VES	
	5/20/94			Inaccessible - VES	
	8/22/94	15.59	*	7.27	8.32
	11/2/94			Inaccessible - VES	
	2/14/95			Inaccessible - VES	
	5/19/95			11.55	4.04
	8/22/95			6.02	9.57
MW-6	6/25/92	17.12			
	1/26/93			6.63	10.49
	2/4/93			6.48	10.64
	3/9/93			6.68	10.44
	5/6/93			6.93	10.19
	6/15/93			7.00	10.12
	7/26/93			7.25	9.87
	8/31/93			7.83	9.29
	9/27/93			8.38	8.74
	10/19/93			8.76	8.36
	11/15/93			8.65	8.47
	12/17/93			7.78	9.34
	2/7/94			7.90	9.22
	5/20/94			6.95	10.17
	8/22/94	17.05	*	8.17	8.88
	11/2/94			10.56	6.49
	2/14/95			8.08	8.97
	5/19/95			8.51	8.54
	8/22/95			7.50	9.55

Table 1
Groundwater Elevation Data
1127 Lincoln Avenue, Alameda, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)		Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
MW-7	6/25/92	16.71			
	1/26/93			6.53	10.18
	2/4/93			6.40	10.31
	3/9/93			6.52	10.19
	5/6/93			Inaccessible	
	6/15/93			6.69	10.02
	7/26/93			Inaccessible	
	8/31/93			Inaccessible	
	9/27/93			7.97	8.74
	10/19/93			8.24	8.47
	11/15/93			8.22	8.49
	12/17/94			Inaccessible	
	2/7/94			Inaccessible	
	5/20/94			Inaccessible	
	8/22/94	16.65	*	7.78	8.87
	11/2/94			9.70	6.95
	2/14/95			Inaccessible	
	5/19/95			7.33	9.32
	8/22/95			6.72	9.93
MW-8	6/25/92	15.91			
	1/26/93			5.30	10.61
	2/4/93			5.62	10.29
	3/9/93			5.56	10.35
	5/6/93			5.99	9.92
	6/15/93			6.32	9.59
	7/26/93			6.75	9.16
	8/31/93			7.35	8.56
	9/27/93			7.86	8.05
	10/19/93			8.27	7.64
	11/15/93			8.17	7.74
	12/17/93			7.14	8.77
	2/7/94			7.26	8.65
	5/20/94			6.17	9.74
	8/22/94	15.87	*	7.63	8.24
	11/2/94			10.16	5.71
	2/14/95			7.32	8.55
	5/19/95			7.83	8.04
	8/22/95			6.98	8.89
MW-9	8/22/95	14.44	**	6.00	8.44
MW-10	8/22/95	15.04	**	6.86	8.18
MW-11	8/22/95	10.61	**	5.12	5.49

Table 1
Groundwater Elevation Data
1127 Lincoln Avenue, Alameda, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)		Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)
VW-1	2/19/92	16.83			
	1/26/93 - 8/22/95			Not Monitored	
VW-2	2/19/92	17.00			
	1/26/93 - 8/22/95			Not Monitored	
VW-3	2/19/92	16.94			
	1/26/93 - 8/22/95			Not Monitored	
VW-4	2/19/92	16.81		5.76	11.05
	1/26/93 - 8/22/95			Not Monitored	
VW-5	2/19/92	17.20			
	1/26/93 - 8/22/95			Not Monitored	
MSL = Mean Sea Level					
TOC = Top of Casing					
VES = Vapor Extraction System					
* = Wells resurveyed 8/4/94					
** = Wells surveyed 6/9/95					

Table 2
Groundwater Analytical Data
1127 Lincoln Avenue, Alameda, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-Benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
MW-1	2/4/93	120	22	3.1	3.3	10	NA
	5/6/93	710	320	3.1	4.2	20	NA
	9/28/93	Not Accessible - Connected to Vapor Extraction System					
	11/15/93	Not Accessible - Connected to Vapor Extraction System					
	2/7/94	Not Accessible - Connected to Vapor Extraction System					
	5/20/94	Not Accessible - Connected to Vapor Extraction System					
	8/22/94	Not Accessible - Connected to Vapor Extraction System					
	11/3/94	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/14/95	350	40	1.6	15	31	NA
	5/19/95	220	35	2.4	7.2	23	NA
	8/22/95	330	44	1.2	14	21	<10
MW-2	2/4/93	430	45	0.5	20	30	NA
	5/6/93	2,000	460	2.4	160	66	NA
	9/28/93	Not Accessible - Connected to Vapor Extraction System					
	11/15/93	Not Accessible - Connected to Vapor Extraction System					
	2/7/94	Not Accessible - Connected to Vapor Extraction System					
	5/20/94	Not Accessible - Connected to Vapor Extraction System					
	8/22/94	Not Accessible - Connected to Vapor Extraction System					
	11/2/94	Not Sampled					
	2/14/95	Not Sampled					
	5/19/95	580	75	19	5.1	30	NA
	8/22/95	1,200	130	8.3	84	86	<10
MW-3	2/4/93	2,900	180	13	210	350	NA
	5/6/93	2,700	270	6.2	300	720	NA
	9/28/93	1,800	92	1.7	99	240	NA
	11/15/93	1,900	100	2.4	85	280	NA
	2/7/94	1,400	69	3.3	100	320	NA
	5/20/94	1,100	64	19	120	180	NA
	8/22/94	77	4.3	<0.5	2.0	5.6	NA
	11/2/94	<50	0.75	<0.5	<0.5	<0.5	NA
	2/14/95	1,300	24	5.2	85	360	NA
	5/19/95	5,300	98	28	650	1,700	NA
	8/22/95	700	4.1	1.1	50	72	<10
MW-4	2/4/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/6/93	<50	1.6	<0.5	1	2.1	NA
	9/28/93	Not Accessible - Auto on Well					
	11/15/93	<50	<0 5	<0.5	<0 5	<0.5	NA
	2/7/94	<50	<0 5	<0 5	<0.5	2.6	NA
	5/20/94	82	6.2	7 6	3.3	17	NA
	8/22/94	<50	<0.5	<0 5	<0 5	<0 5	NA
	11/2/94	<50	<0.5	0 56	<0.5	<0.5	NA
	2/14/95	<50	<0.5	<0 5	<0 5	<0 5	NA
	5/19/95	66	0 77	0 63	0 87	3.6	NA
	8/22/95	<50	<0 5	<0 5	<0 5	<0.5	<10

Table 2
Groundwater Analytical Data
1127 Lincoln Avenue, Alameda, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-Benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
MW-5	2/4/93	Not Sampled					
	5/6/93	6,200	460	980	300	1,200	NA
	9/28/93	Not Accessible - Connected to Vapor Extraction System					
	11/15/93	Not Accessible - Connected to Vapor Extraction System					
	2/7/94	Not Accessible - Connected to Vapor Extraction System					
	5/20/94	Not Accessible - Connected to Vapor Extraction System					
	8/22/94	Not Accessible - Connected to Vapor Extraction System					
	11/3/94	5,700	800	400	4.7	600	NA
	2/14/95	1,300	290	76	21	140	NA
	5/19/95	600	83	20	5.7	33	NA
	8/22/95	8,100	650	720	54	1,700	<50
MW-6	2/4/93	2,300	19	5.4	27	220	NA
	5/6/93	540	44	0.9	7	6.7	NA
	9/28/93	180	2.7	0.73	6.3	13	NA
	11/15/93	180	2.2	0.91	5.4	16	NA
	2/7/94	240	2.9	1.2	3.9	7.1	NA
	5/20/94	600	4.5	2.2	24	66	NA
	8/22/94	400	3.2	1	7.9	40	NA
	11/2/94	150	1.6	1.3	6.5	27	NA
	2/14/95	770	4.0	2.9	42	130	NA
	5/19/95	2,400	6.9	11	99	350	NA
	8/22/95	190	1.0	1.7	5.2	18	<10
MW-7	2/4/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	5/6/93	Not Sampled					
	9/28/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	11/15/93	<50	<0.5	<0.5	<0.5	<0.5	NA
	2/7/94	Not Sampled					
	5/20/94	Not Sampled					
	8/22/94	130	<0.5	<0.5	<0.5	<0.5	NA
	11/2/94	73	<0.5	<0.5	<0.5	<0.5	NA
	2/14/95	Not Sampled					
	5/19/95	<50	<0.5	<0.5	<0.5	2.3	NA
	8/22/95	400	<0.5	<0.5	<0.5	0.76	<10
MW-8	2/4/93	540	150	3.7	5.2	10	NA
	5/6/93	22,000	9,400	46	390	520	NA
	9/28/93	8,000	1,700	22	30	75	NA
	11/15/93	2,000	840	8 8	15	42	NA
	2/7/94	1,700	460	0 6	13	5	NA
	5/20/94	110	98	1.4	1 3	3.4	NA
	8/22/94	51	16	<0.5	<0 5	<0.5	NA
	11/2/94	<50	<0.5	<0 5	<0.5	<0 5	NA
	2/14/95	<50	<0 5	<0 5	<0 5	<0.5	NA
	5/19/95	<50	<0 5	<0.5	<0 5	<0 5	NA
	8/22/95	<50	<0 5	<0 5	<0.5	<0.5	<10

Table 2
Groundwater Analytical Data
1127 Lincoln Avenue, Alameda, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-Benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
MW-9	8/22/95	<50	<0.5	<0.5	<0.5	<0.5	<10
MW-10	8/22/95	<50	<0.5	<0.5	<0.5	<0.5	<10
MW-11	8/22/95	<50	<0.5	<0.5	<0.5	<0.5	<10

< = Less than the detection limit for the specified method of analysis
NA = Not available
ppb = parts per billion

APPENDIX

B C Analytical

[illegible] Eastern Avenue
[illegible], CA 91201
[illegible] 6232
[illegible] 318/271-9797

ANALYTICAL REPORT

LOG NO: G95-08-414

Received: 23 AUG 95

Mailed: AUG 31 1995

Purchase Order: 94-1446346+4370

Requisition: 624881450
Project: FKEP1001L

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

CC: Mr. Timothy Ross

REPORT OF ANALYTICAL RESULTS

AQUEOUS

SAMPLE IDENTIFICATION	DATE SAMPLED	TPH/BTEX (CADHS/8020) Date Analyzed	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
[illegible]			1	50	0.5	0.5	0.5	10	0.5	
[illegible]	08/22/95	08/26/95	1	330	44	1.2	14	<10	21	C6-C12
[illegible]	08/22/95	08/26/95	1	1200	130	8.3	84	<10	86	C6-C12
[illegible]	08/22/95	08/26/95	1	700	4.1	1.1	50	<10	72	C6-C12
[illegible]	08/22/95	08/26/95	1	<50	<0.5	<0.5	<0.5	<10	<0.5	C6-C12
[illegible]	08/22/95	08/28/95	5	8100	650	720	54	<50	1700	C6-C12
[illegible]	08/22/95	08/26/95	1	190	1.0	1.7	5.2	<10	18	C6-C12
[illegible]	08/22/95	08/26/95	1	400	<0.5	<0.5	<0.5	<10	0.76	C6-C12
[illegible]	08/22/95	08/29/95	1	<50	<0.5	<0.5	<0.5	<10	<0.5	C6-C12
[illegible]	08/22/95	08/26/95	1	<50	<0.5	<0.5	<0.5	<10	<0.5	C6-C12
[illegible]	08/22/95	08/26/95	1	<50	<0.5	<0.5	<0.5	<10	<0.5	C6-C12
[illegible]	08/22/95	08/26/95	1	<50	<0.5	<0.5	<0.5	<10	<0.5	C6-C12

B C Analytical

ANALYTICAL REPORT

[illegible] Western Avenue
[illegible]dale, CA 91201
[illegible]
[illegible] 818/21[illegible] 9297

LOG NO: G95 08-414

Received: 23 AUG 95

Ms. Rebecca Digerness
Texaco Environmental Services
108 Cutting Boulevard
Richmond, CA 94801

CC: Mr. Timothy Ross

Purchase Order: 94-1446346+4370

Requisition: 624881450
Project: FKEP1001L

REPORT OF ANALYTICAL RESULTS

AQUEOUS

[illegible]	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
[illegible]			1	50	0.5	0.5	0.5	10	0.5	
[illegible]	08/22/95	08/26/95	1	<50	<0.5	<0.5	<0.5	<10	0.54	C6-C12
[illegible]	08/22/95	08/24/95	1	<50	<0.5	<0.5	<0.5	<10	<0.5	C6-C12

Texaco Petroleum
[illegible] Lincoln Ave., Alameda
[illegible] County
The low level of xylenes quantitated
in the equipment blank was confirmed.
[illegible] Winter, 8/31/95

Janice Winter for:
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.

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BCA

: ORDER PLACED FOR CLIENT: Texaco Environmental Services 9508414 :
: BC ANALYTICAL : GLEN LAB : 09:51:12 31 AUG 1995 - P. 1 :
:==========

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
)508414*1	MW-1	GAS.BTX.TESNC	08.26.95	8015M	536-21	95254	8501
)508414*2	MW-2	GAS.BTX.TESNC	08.26.95	8015M	536-21	95254	8501
)508414*3	MW-3	GAS.BTX.TESNC	08.26.95	8015M	536-21	95254	8501
)508414*4	MW-4	GAS.BTX.TESNC	08.26.95	8015M	536-21	95254	8501
)508414*5	MW-5	GAS.BTX.TESNC	08.28.95	8015M.TX	536-23	955102	8501
)508414*6	MW-6	GAS.BTX.TESNC	08.26.95	8015M	536-21	95254	8501
)508414*7	MW-7	GAS.BTX.TESNC	08.26.95	8015M	536-21	95254	8501
)508414*8	MW-8	GAS.BTX.TESNC	08.29.95	8015M.TX	536-23	955103	8501
)508414*9	MW-9	GAS.BTX.TESNC	08.26.95	8015M	536-21	95254	8501
)508414*10	MW-10	GAS.BTX.TESNC	08.26.95	8015M	536-21	95254	8501
)508414*11	MW-11	GAS.BTX.TESNC	08.26.95	8015M	536-21	95254	8501
)508414*12	EB	GAS.BTX.TESNC	08.26.95	8015M	536-21	95254	8501
)508414*13	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 G9508414

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	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
2. 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
3. TPH	C5083038*1					
Date Analyzed	08.29.95	955103	08/29/95	08/29/95	Date	N/A
Benzene	08.29.95	955103	15.7	15.2	ug/L	103
Toluene	08.29.95	955103	87.7	97.4	ug/L	90
Ethylbenzene	08.29.95	955103	17.9	20.4	ug/L	88
Total Xylene Isomers	08.29.95	955103	110	119	ug/L	92
TPH (Gasoline Range)	08.29.95	955103	1030	1100	ug/L	94
a,a,a-Trifluorotoluene Rep.	08.29.95	955103	57.2	50.0	ug/L	114
a,a,a-Trifluorotoluene Th.	08.29.95	955103	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 G9508414

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	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
2. 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
3. TPH	9508414*8						
Date Analyzed		08.29.95	955103	08/29/95	08/29/95	Date	N/A
Benzene		08.29.95	955103	15.4	18.9	ug/L	20
Toluene		08.29.95	955103	85.4	83.8	ug/L	2
Ethylbenzene		08.29.95	955103	19.9	19.2	ug/L	4
Total Xylene Isomers		08.29.95	955103	99.7	98.1	ug/L	2
TPH (Gasoline Range)		08.29.95	955103	1060	1020	ug/L	4
a,a,a-Trifluorotoluene	Rep.	08.29.95	955103	54.4	54.4	ug/L	0
a,a,a-Trifluorotoluene	Th.	08.29.95	955103	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 G9508414

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	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	
2. 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	
3. TPH	9508414*8							
Benzene		08.29.95	955103	101	124	15.2	ug/L	
Toluene		08.29.95	955103	88	86	97.4	ug/L	
Ethylbenzene		08.29.95	955103	98	94	20.4	ug/L	
Total Xylene Isomers		08.29.95	955103	84	82	119	ug/L	
TPH (Gasoline Range)		08.29.95	955103	96	93	1100	ug/L	
a,a,a-Trifluorotoluene Rep.		08.29.95	955103	109	109	50.0	ug/L	
a,a,a-Trifluorotoluene Th.		08.29.95	955103	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 G9508414

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	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
2. 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
3. TPH	B5081730*1						
Date Analyzed		08.29.95	955103	08/29/95	NA	Date	8015M.TX
Benzene		08.29.95	955103	0	0.5	ug/L	8015M.TX
Toluene		08.29.95	955103	0	0.5	ug/L	8015M.TX
Ethylbenzene		08.29.95	955103	0	0.5	ug/L	8015M.TX
Methyl-tert-butylether		08.29.95	955103	0	NA	ug/L	8015M.TX
Total Xylene Isomers		08.29.95	955103	0	0.5	ug/L	8015M.TX
TPH (Gasoline Range)		08.29.95	955103	0	50	ug/L	8015M.TX
a,a,a-Trifluorotoluene	Rep.	08.29.95	955103	46.0	NA	ug/L	8015M.TX
a,a,a-Trifluorotoluene	Th.	08.29.95	955103	50.0	NA	ug/L	8015M.TX
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 : 09:51:53 31 AUG 1995 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9508414*1							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	51.0	50.0	102	
9508414*2							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	53.8	50.0	108	
9508414*3							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	51.5	50.0	103	
9508414*4							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	51.1	50.0	102	
9508414*5							
8015M.TX	a,a,a-Trifluorotoluene	Re955102	08/28/95	244	250	98	
9508414*6							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	51.7	50.0	103	
9508414*7							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	51.9	50.0	104	
9508414*8							
8015M.TX	a,a,a-Trifluorotoluene	Re955103	08/29/95	55.4	50.0	111	
9508414*9							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	52.0	50.0	104	
9508414*10							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	52.0	50.0	104	
9508414*11							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	52.6	50.0	105	
9508414*12							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	52.5	50.0	105	
9508414*13							
8015M.TX	a,a,a-Trifluorotoluene	Re95256	08/24/95	53.6	50.0	107	

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 09:51:58 31 AUG 1995 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
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	
9508414*8*R1							
8015M.TX	a,a,a-Trifluorotoluene	Re955103	08/29/95	55.4	50.0	111	
9508414*8*S1							
8015M	TXa,a,a-Trifluorotoluene	Re955103	08/29/95	54.4	50.0	109	
9508414*8*S2							
8015M.TX	a,a,a-Trifluorotoluene	Re955103	08/29/95	54.4	50.0	109	
9508414*8*T							
8015M.TX	a,a,a-Trifluorotoluene	Re955103	08/29/95	50.0	50.0	100	
9508416*7*R1							
8015M	a,a,a-Trifluorotoluene	Re95251	08/26/95	55.4	50.0	111	
9508416*7*S1							
8015M	a,a,a-Trifluorotoluene	Re95251	08/26/95	54.4	50.0	109	

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	
35081352*1*MB							
8015M.TX	a,a,a-Trifluorotoluene	Re95250	08/24/95	55.6	50.0	111	
35081428*1*MB							
8015M	a,a,a-Trifluorotoluene	Re95254	08/26/95	52.8	50.0	106	
35081600*1*MB							
8015M	a,a,a-Trifluorotoluene	Re955102	08/28/95	52.2	50.0	104	
35081730*1*MB							
8015M.TX	a,a,a-Trifluorotoluene	Re955103	08/29/95	46.0	50.0	92	
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	
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	
C5083038*1*LC							
8015M.TX	a,a,a-Trifluorotoluene	Re955103	08/29/95	57.2	50.0	114	
5083038*1*LT							
8015M.TX	a,a,a-Trifluorotoluene	Re955103	08/29/95	50.0	50.0	100	

G95084414

Chain-of-Custody

Page 1 of 2

Texaco Environmental Services
108 Cutting Boulevard
Richmond, California 94804
Phone (510) 236-3541
FAX (510) 237-7021

Forward Results to the Attention of Rebecca Digerness

Texaco Project Coordinator: Karen Petryna

Site Name: Texaco Loc.# 624881450
Site Address: 1127 Lincoln Ave. Alameda, CA
Contractor Project Number: 950822-M2
Contractor Name: Blaine Tech Services, Inc.
Address: 985 Timothy Dr., San Jose, CA 95133
Project Contact: Jim Keller
Phone/FAX: (408) 995-5535 / (408) 293-8773

Laboratory: B C Analytical
Turn Around Time: normal (10 day)
Samplers (PRINT NAME): MIKE MYERS
Sampler Signature: M. Rogers
Date Samples Collected: 8-22-95

Sample Number	Lab Sample Number	Date/Time Collected	No. of Containers	Type of Containers	Sample Matrix	Preservative	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		Comments
MW-1		8-22	3				X								X		-1
MW-2			3				X								X		-2
MW-3			3				X								X		-3
MW-4			3				X								X		-4
MW-5			3				X								X		-5
MW-6			3				X								X		-6
MW-7			3				X								X		-7
MW-8			3				X								X		-8
MW-9			3				X								X		-9
MW-10			3				X								X		-10
MW-11			3				X								X		-11
EB			3				X								X		-12

cooler temp: 6°c
sample cond: good

624881450
Alameda
KEP
FKEP1001L
CC: Timothy Ross

Relinquished by (Signature)		Date: 8-23-95	Time: 1400
Relinquished by (Signature)		Date: 8-23-95	Time: 1700
Relinquished by (Signature)	Kimberly Eng	Date: 8/23/95	Time: 5:30
Method of Shipment			

Received by: (Signature)		Date: 8-23-95	Time: 1700
Received by: (Signature)	Kimberly Eng	Date: 8/23/95	Time: 4:10
Received by: (Signature)		Date:	Time:
Lab Comments:			

G9508414

Chain-of-Custody

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.# 624881450
Site Address: 1127 Lincoln Ave, Alameda, CA
Contractor Project Number: 950622-M2
Contractor Name: Blaine Tech Services, Inc.
Address: 985 Timothy Dr., San Jose, CA 95133
Project Contact: Jim Keller
Phone/FAX: (408) 995-5535 / (408) 293-8773

Laboratory: B C Analytical
Turn Around Time: normal (10 day)
Samplers (PRINT NAME): MIKE MYERS
Sampler Signature: Mike Myers
Date Samples Collected: 8-22-95

Sample Number	Lab Sample Number	Date/Time Collected	No. of Containers	Type of Containers	Sample Matrix	Preservative	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		Comments
TB			2				X										-13

Relinquished by (Signature)	Mike Myers	Date: 8-23-95	Time: 1400	Received by: (Signature)	Bill Rezon	Date: 8-23-95	Time: 2:00
Relinquished by (Signature)	Bill Rezon	Date: 8-23-95	Time: 4:00	Received by: (Signature)	Kimberly Ging	Date: 8/23/95	Time: 4:10
Relinquished by (Signature)	Kimberly Ging	Date: 8/23/95	Time: 5:30	Received by: (Signature)		Date:	Time:
Method of Shipment				Lab Comments:			

Well Gauging Data

Project Name: LINCOLN
Project Number: 950822-M2

Date: 8-22-95
Recorded By: M. MYERS

Well ID	TOC Elev.	DTB (ft. TOC)	Well Dia. (in.)	DTP (ft.)	DTW (ft.)	PT (ft.)	Comments
MW-1		—	4		7.06		EXTRACTION
MW-2		—	4		7.22		EXTRACTION
MW-3		19.68	4		7.54		
MW-4		20.22	4		7.62		
MW-5		—	4		6.02		EXTRACTION
MW-6		19.66	4		7.50		
MW-7		19.80	2		6.72		
MW-8		19.74	4		6.98		
MW-9		14.64	4		6.06		
MW-10		14.28	4		6.86		
MW-11		13.98	4		5.12		

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 LINCOLN
Project Number 950822-M2
Recorded By M. MYERS
Well No. MW-1
Well Type ☐ Monitor ☒ Extraction ☐ Other
Sampled by M. MYERS
Date 8-22

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) 7.06
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

— (Water Column Length) X — (Multiplier) X — (No. Vols) = — 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

— gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENT Meter Type MYRON L/HF SCI

Time/Gallons	pH	Cond. (uomhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color/Odor
8:20	6.9	800	21.6	85	CLEAR
/					
/					
/					
/					
/					
/					
/					

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

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled 8:22 / 14:20

Bailer - Type ☐ ____ 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
MW-1	3 40ml VOA	TPHG	HCL	BCA	
		BTEX			
		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 LINCOLN
Project Number 950822-M2
Recorded By M. MYERS
Well No. MW-2
Well Type [ ] Monitor [X] Extraction [ ] Other
Sampled by M. MYERS
Date 8-22-95

WELL PURGING

PURGE VOLUME

Well casing diameter
[ ] 2-inch [X] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC) —
Depth to Water (WL, ft. below TOC) 7.22
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 INSTALLED
[ ] Other

PUMP INTAKE

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

PURGE VOLUME CALCULATION

— (Water Column Length) X — (Multiplier) X — (No. Vols) = — 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

— gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENT Meter Type MYRON L/HFSCI

Time/Gallons	pH	Cond. (uomhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color/Odor
14:26 / —	6.8	800	22.6	65	ODOR
/					
/					
/					
/					
/					
/					
/					

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 8-22 / 14:26
Bailer - Type [ ] —
Sample port [X] 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
MW-2	3 40ML VOA	TPH6 BTEX MTBE	HCL	ECA	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No	Duplicate Sample No

Blank Samples

Type	Sample No
Trip	
Rinsate	
Transfer	
Other	

Groundwater Sampling Form MW-3

Project Name: LINCOLN
Project Number: 950822-M2
Recorded By: M. MYERS
Well No.: MW-3
Well Type: [X] Monitor [ ] Extraction [ ] Other
Sampled by: M. MYERS
Date: 8-22-95

WELL PURGING

PURGE VOLUME

Well casing diameter
[ ] 2-inch [X] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC): 19.68
Depth to Water (WL, ft. below TOC): 7.54
Depth to free phase hydrocarbons (FP, ft. below TOC):
Number of well volumes to be purged
[X] 3 [ ] 10 [ ] Other: 8.0

PURGE METHOD

[ ] Bailer - Type:
[X] Pump - Type: G.S.
[ ] Other:

PUMP INTAKE

[ ] Near top Depth (ft):
[X] Near Bottom Depth (ft): 18.50
[ ] Other:
Pumping Rate: 8 gpm

PURGE VOLUME CALCULATION

12.14 (Water Column Length) x .66 (Multiplier) x 3 (No. Vols) = 24 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

24 gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENT

Meter Type: MYRON L/HFSCI

Time/Gallons	pH	Cond. (uomhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color/Odor
13:56 / 8	7.0	750	23.2	195	SLIGHT
13:58 / 16	7.0	750	22.0	160	ODOR
14:00 / 24	7.0	750	22.2	120	
/					
/					
/					
/					
/					

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: 8-22 / 14:05
Bailer - Type: [X] S.S.
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
MW-3	3 40mL VOA	TPHG	HCL	BCA	
		BTEX			
		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: LINCOLN
Project Number: 950822-M2
Recorded By: M. MYERS
Well No.: MW-4
Well Type: [X] Monitor [ ] Extraction [ ] Other
Sampled by: M. MYERS
Date: 8-22-95

WELL PURGING

PURGE VOLUME

Well casing diameter
[ ] 2-inch [X] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC): 20.22
Depth to Water (WL, ft. below TOC): 7.62
Depth to free phase hydrocarbons (FP, ft. below TOC):
Number of well volumes to be purged
[X] 3 [ ] 10 [ ] Other: 8.3

PURGE METHOD

[ ] Bailer - Type:
[X] Pump - Type: E.S.
[ ] Other:

PUMP INTAKE

[ ] Near top Depth (ft):
[X] Near Bottom Depth (ft): 19.00
[ ] Other:
Pumping Rate: 8 gpm

PURGE VOLUME CALCULATION

12.60 (Water Column Length) x .66 (Multiplier) x 3 (No. Vols) = 24.9 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

25 gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENT

Meter Type:

Time/Gallons	pH	Cond. (uomhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color/Odor
13:42 / 9	7.0	800	23.1	7200	
13:44 / 18	7.0	800	21.9	165	
13:46 / 25	7.0	800	22.2	160	
/					
/					
/					
/					
/					

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: 8-22 / 13:50
Bailer - Type: [X] S.S
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
MW-4	3 40ml VOA	TPHG	HCL	BCA	
		BTEX			
		MTBE			

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No	Duplicate Sample No

Blank Samples

Type	Sample No
Trip	
Rinsate	
Transfer	
Other	

Groundwater Sampling Form MW-5

Project Name LINCOLN
Project Number 950822-M2
Recorded By M. MYERS
Well No. MW-5
Well Type ☐ Monitor ☒ Extraction ☐ Other
Sampled by M. MYERS
Date 8-22-95

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 INSTALLED
☐ Other

PUMP INTAKE

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

PURGE VOLUME CALCULATION

— (Water Column Length) X — (Multiplier) X — (No. Vols) =

— 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

— gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENT Meter Type

Time/Gallons	pH	Cond. (uomhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color/Odor
14:13 / —	6.9	700	22.2	65	ODOR
/					
/					
/					
/					
/					
/					
/					

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

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled 8-22 / 14:15
Bailer - Type ☐ SAMPLE PORT 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
MW-5	3 40ml VOA	TPHG	HCL	BCA	
		BTEX			
		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: LINCOLN
Project Number: 950822-MR2
Recorded By: M MYERS
Well No.: MW-6
Well Type: [X] Monitor [ ] Extraction [ ] Other
Sampled by: M. MYERS
Date: 8-22-95

WELL PURGING

PURGE VOLUME

Well casing diameter
[X] 2-inch [ ] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC): 19.60
Depth to Water (WL, ft. below TOC): 7.50
Depth to free phase hydrocarbons (FP, ft. below TOC):
Number of well volumes to be purged
[X] 3 [ ] 10 [ ] Other: 2.1

PURGE METHOD

[ ] Bailer - Type:
[X] Pump - Type: PNEU.
[ ] Other:

PUMP INTAKE

[ ] Near top Depth (ft):
[X] Near Bottom Depth (ft): 18.50
[ ] Other:
Pumping Rate: 1.0 gpm

PURGE VOLUME CALCULATION

12.10 (Water Column Length) x .17 (Multiplier) x 3 (No. Vols) = 6.3 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

7 gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENT

Meter Type: MYRON L/HFSC1

Time/Gallons	pH	Cond. (uomhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color/Odor
12:59 / 3	7.0	800	23.0	>200	ODOR
13:02 / 5	6.9	800	22.3	>200	
13:05 / 7	7.0	800	21.7	>200	
/					
/					
/					
/					
/					

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: 8-22 / 13:08
Bailer - Type [X]: S.S.
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
MW-6	3 40ml/VOA	TPH 6 BTEX MTBE	HCL	BCA	

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: LINCOLN
Well No.: MW-7
Project Number: 950822-M2
Well Type: [ ] Monitor [ ] Extraction [ ] Other
Recorded By: M MYERS
Sampled by: M MYERS
Date: 8-22-95

WELL PURGING

PURGE VOLUME

Well casing diameter
[X] 2-inch [ ] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC): 19.86
Depth to Water (WL, ft. below TOC): 6.72
Depth to free phase hydrocarbons (FP, ft. below TOC):
Number of well volumes to be purged
[X] 3 [ ] 10 [ ] Other: 2.2

PURGE VOLUME CALCULATION

13.06 (Water Column Length) x .17 (Multiplier) x 3 (No. Vols) = 6.6 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

7 gals ACTUAL PURGE VOLUME

PURGE METHOD

[ ] Bailer - Type
[X] Pump - Type: PNEUMATIC
[ ] Other

PUMP INTAKE
[ ] Near top Depth (ft)
[X] Near Bottom Depth (ft): 18.60
[ ] Other

Pumping Rate: 1.0 gpm

GROUNDWATER PARAMETER MEASUREMENT Meter Type: MYRON L/YSI SC1

Time/Gallons	pH	Cond. (uomhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color/Odor
10:40 / 3	7.6	800	28.1	>200	
12:42 / 5	7.1	800	25.0	>200	
12:45 / 7	7.1	800	24.2	>200	
/					
/					
/					
/					
/					

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: 8:22 / 12:50
Bailer - Type [X]: S.S.
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
MW-7	3 40ML VOA	TPH6, BTEX, MTBE	HCL	BCA	

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: LINCOLN
Well No.: MW-8
Project Number: 95082 2 - M2
Well Type: [X] Monitor [ ] Extraction [ ] Other
Recorded By: M. MYERS
Sampled by: M. MYERS
Date: 8-22-95

WELL PURGING

PURGE VOLUME

Well casing diameter
[X] 2-inch [ ] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC): 19.74
Depth to Water (WL, ft. below TOC): 6.98
Depth to free phase hydrocarbons (FP, ft. below TOC):
Number of well volumes to be purged
[X] 3 [ ] 10 [ ] Other: 6.4

PURGE METHOD

[ ] Bailer - Type:
[X] Pump - Type: PNEUMATIC
[ ] Other:

PUMP INTAKE

[ ] Near top Depth (ft):
[X] Near Bottom Depth (ft): 18.50
[ ] Other:
Pumping Rate: 5 gpm

PURGE VOLUME CALCULATION

12.76 (Water Column Length) x .66 (Multiplier) x 3 (No. Vols) = 25.2 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

26 gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENT

Meter Type: MYRON L/HESCI

Time/Gallons	pH	Cond. (uomhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color/Odor
13:28 / 9	7.0	800	24.1	7200	
13:31 / 18	7.0	800	21.9	7200	
13:34 / 26	7.0	800	22.2	7200	
/					
/					
/					
/					
/					

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: 8-22, 13:36
Bailer - Type: [X] 5.5
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
MW-8	3 40ml VOA	TPHG	HCL	BCA	
		~~TPH~~			
		BTEX			
		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: LINCOLN | Well No.: MW-9
Project Number: 950822-MD | Well Type: [X] Monitor [ ] Extraction [ ] Other
Recorded By: M MYERS | Sampled by: M. MYERS | Date: 8-22

WELL PURGING

PURGE VOLUME

Well casing diameter
[ ] 2-inch [X] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC): 14.64
Depth to Water (WL, ft. below TOC): 6.00
Depth to free phase hydrocarbons (FP, ft. below TOC):
Number of well volumes to be purged
[X] 3 [ ] 10 [ ] Other: 5.7

PURGE METHOD

[ ] Bailer - Type:
[X] Pump - Type: E.S.
[ ] Other:

PUMP INTAKE

[ ] Near top Depth (ft):
[X] Near Bottom Depth (ft): 14.00
[ ] Other:

Pumping Rate: 5 gpm

PURGE VOLUME CALCULATION

8.64 (Water Column Length) x .66 (Multiplier) x 3 (No. Vols) = 17.1 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 gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENT Meter Type: MYRON L/HF SCI

Time/Gallons	pH	Cond. (uomhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color/Odor
12:20 / 6	7.0	1000	22.1	>200	
12:22 / 12	7.1	1000	21.6	>200	
12:24 / 18	7.1	1000	21.2	>200	
/					
/					
/					
/					
/					

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: 8-22 / 12:26

Bailer - Type: S.S.

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
MW-9	3 40ML VOA	TPHG	HCL	BCA	
		BTEX			
		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: LINCOLN | Well No.: MW-10
Project Number: 950822-M2 | Well Type: [X] Monitor [ ] Extraction [ ] Other
Recorded By: M MYERS | Sampled by: M. MYERS | Date: 8-22-95

WELL PURGING

PURGE VOLUME

Well casing diameter
[ ] 2-inch [X] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC): 14.28
Depth to Water (WL, ft. below TOC): 6.86
Depth to free phase hydrocarbons (FP, ft. below TOC):
Number of well volumes to be purged
[X] 3 [ ] 10 [ ] Other: 4.9

PURGE METHOD

[ ] Bailer - Type:
[X] Pump - Type: E.S.
[ ] Other:

PUMP INTAKE

[ ] Near top Depth (ft):
[X] Near Bottom Depth (ft): 13.50
[ ] Other:
Pumping Rate: 5 gpm

PURGE VOLUME CALCULATION

7.42 (Water Column Length) x .66 (Multiplier) x 3 (No. Vols) = 14.7 cals (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

15 cals (ACTUAL PURGE VOLUME)

GROUNDWATER PARAMETER MEASUREMENT Meter Type: MYRON L/HF SCI

Time/Gallons	pH	Cond. (uomhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color/Odor
12:00 / 5	7.6	1,400	26.1	>200	
12:02 / 10	7.6	1200	20.4	>200	
12:04 / 15	7.6	1200	20.4	>200	
/					
/					
/					
/					
/					

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: 8-22 / 12:10
Bailer - Type [X]: S.S. | 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
MW-10	3 40ML VOA	TPHG	HCL	BCA	
		BTEX			
		MTBE			

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	EB @ 12:08
Transfer	
Other	

Groundwater Sampling Form

Project Name LINCOLN
Well No. MW-11
Project Number 950822-MA
Well Type ☒ Monitor ☐ Extraction ☐ Other
Recorded By M MYERS
Sampled by M. MYERS
Date 8-22-95

WELL PURGING

PURGE VOLUME

Well casing diameter
☐ 2-inch ☒ 4-inch ☐ Other

Well Total Depth (TD, ft. below TOC) 13.98
Depth to Water (WL, ft. below TOC) 5.12
Depth to free phase hydrocarbons (FP, ft. below TOC)
Number of well volumes to be purged 5.8
☒ 3 ☐ 10 ☐ Other

PURGE METHOD
☐ Bailer - Type
☒ Pump - Type E.S.
☐ Other

PUMP INTAKE
☐ Near top Depth (ft)
☒ Near Bottom Depth (ft) 12.00
☐ Other

Pumping Rate 50 gpm

PURGE VOLUME CALCULATION

886 x .66 x 3 = 17.4 gals

Water Column Length x Multiplier x No. Vols = CALCULATED PURGE VOLUME

ACTUAL PURGE VOLUME 18 gals

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/HFSCI

Time/Gallons	pH	Cond. (uomhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color/Odor
11:40 / 6	7.0	3,000	28.1	7200	
11:42 / 12	7.0	2200	25.2	7200	
11:44 / 18	7.0	2200	24.8	7200	
/					
/					
/					
/					
/					

Comments during well purge

Well Pumped dry: YES (NO)

Purge water storage/disposal ☐ Drummed onsite ☒ Other TEXACO

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled 8-22 / 11:48

Bailer - Type ☒ S.S.
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
MW-11	3 40ml VOA	TPHG	HCL	BCA	
		BTEX			
		MTBE			

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No	Duplicate Sample No

Blank Samples

Type	Sample No
Trip	
Rinsate	
Transfer	
Other:	

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 #: 624881450
Address: 1127 LINCOLN AVE
City, State, ZIP: ALAMEDA, CA

Well I.D.	Gals.	Well I.D.	Gals.
MW-1	—	MW-11	18
MW-2	—		
MW-3	24		
MW-4	25		
MW-5	—		
MW-6	7		
MW-7	7		
MW-8	26		
MW-9	18		
MW-10	15		

Total gals. _____

added rinse water 20

Total Gals. Recovered _____

Job #: 950822-MW2
Date: 8-22-95
Time: 17:00
Signature: [signature]

REC'D AT: BTS
Date: 8-22-95
Time: 17:00
Signature: [signature]