



PACIFIC
ENVIRONMENTAL
GROUP, INC.

AN  COMPANY

July 31, 1998
Project 340-414.9C

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

Re: **Quarterly Monitoring Report - Second Quarter 1998**
Former Texaco Service Station/Current Parking Lot
500 Grand Avenue at Euclid Avenue
Oakland, California

Dear Ms. Hugo:

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

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

Sincerely,

Pacific Environmental Group, Inc.

Keith Winemiller, P.E.
Project Engineer

Enclosure

cc: Ms. Karen Petryna, Equiva Services LLC, 108 Cutting Boulevard, Richmond, CA 94804
Mr. Richard Hiatt, California Regional Water Quality Control Board, San Francisco Bay Region,
2101 Webster Street, Suite 500, Oakland, CA 94612

BLAINE
TECH SERVICES



1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
(408) 573-7771 FAX
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ENVIRONMENTAL
PROTECTION

98 AUG -4 PM 2:25

July 22, 1998

**Groundwater Monitoring and Sampling
Second Quarter, 1998
at the
Former Texaco Service Station
500 Grand Avenue
Oakland, CA**

This letter presents the results of groundwater monitoring and sampling conducted by Blaine Tech Services, Inc. on June 3, 1998, at the site referenced above (see Plate 1, Site Vicinity Map). Based on groundwater level measurements, the areal hydraulic gradient was estimated to be southeast (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. Equilon Enterprises LLC's Standard Operating Procedures may be found in the first quarter, 1995 monitoring report.

Deidre Kerwin
Operations Manager
Blaine Tech Services, Inc.

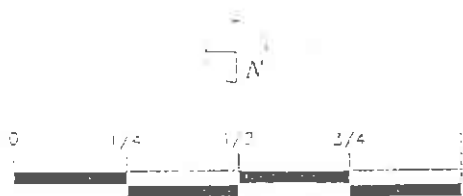
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SOURCE

1993 THE THOMAS GUIDE
ALAMEDA COUNTY PAGE 9 (D4)



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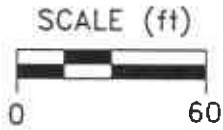
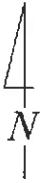
TEXACO

REFINING AND MARKETING, INC.
TEXACO ENVIRONMENTAL SERVICES

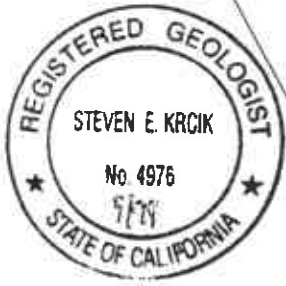
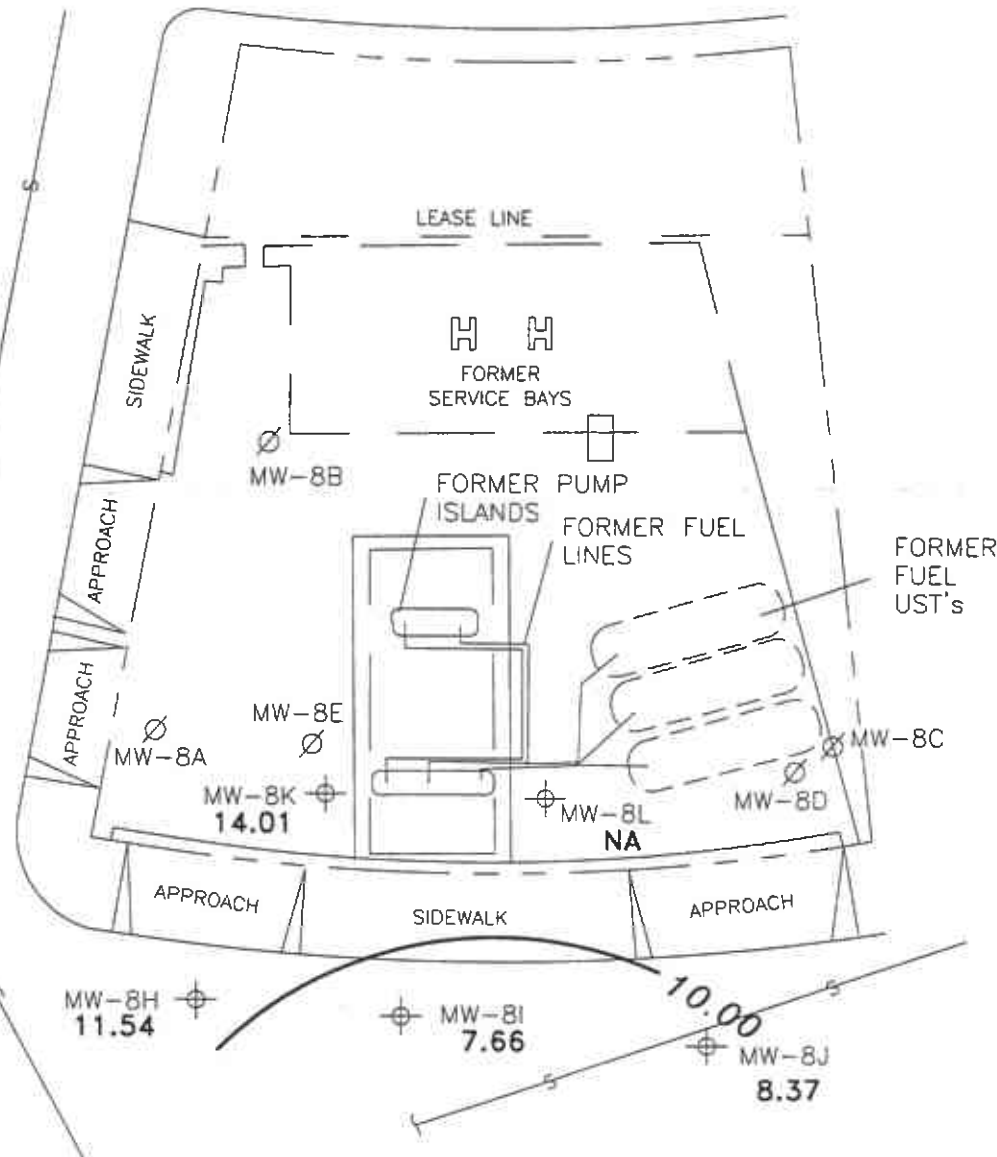
PLATE 1

SITE VICINITY MAP
FORMER TEXACO SERVICE STATION
500 GRAND AVE. / EUCLID AVE.
OAKLAND, CALIFORNIA

BARK STREET



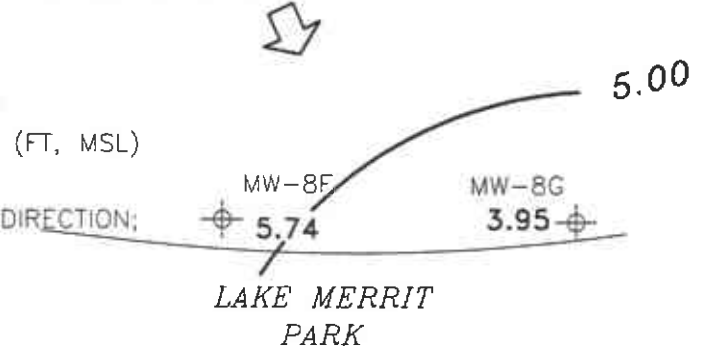
EUCLID AVENUE



EXPLANATION

- MONITORING WELL
- ABANDONED MONITORING WELL
- 11.54 GROUNDWATER ELEVATION (FT, MSL)
- 10.00 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- NA DATA NOT AVAILABLE
- APPROXIMATE GROUNDWATER FLOW DIRECTION:
APPROXIMATE GRADIENT = 0.04

GRAND AVENUE



LAKE MERRITT PARK

FILE: TEXACO\GA-EA-OA.dwg
Basemap from Geoconsultants, Inc.

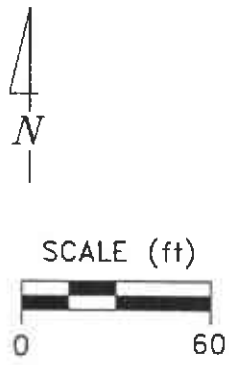
PREPARED BY



Former Texaco Service Station
500 Grand Ave./Euclid Ave.
Oakland, California

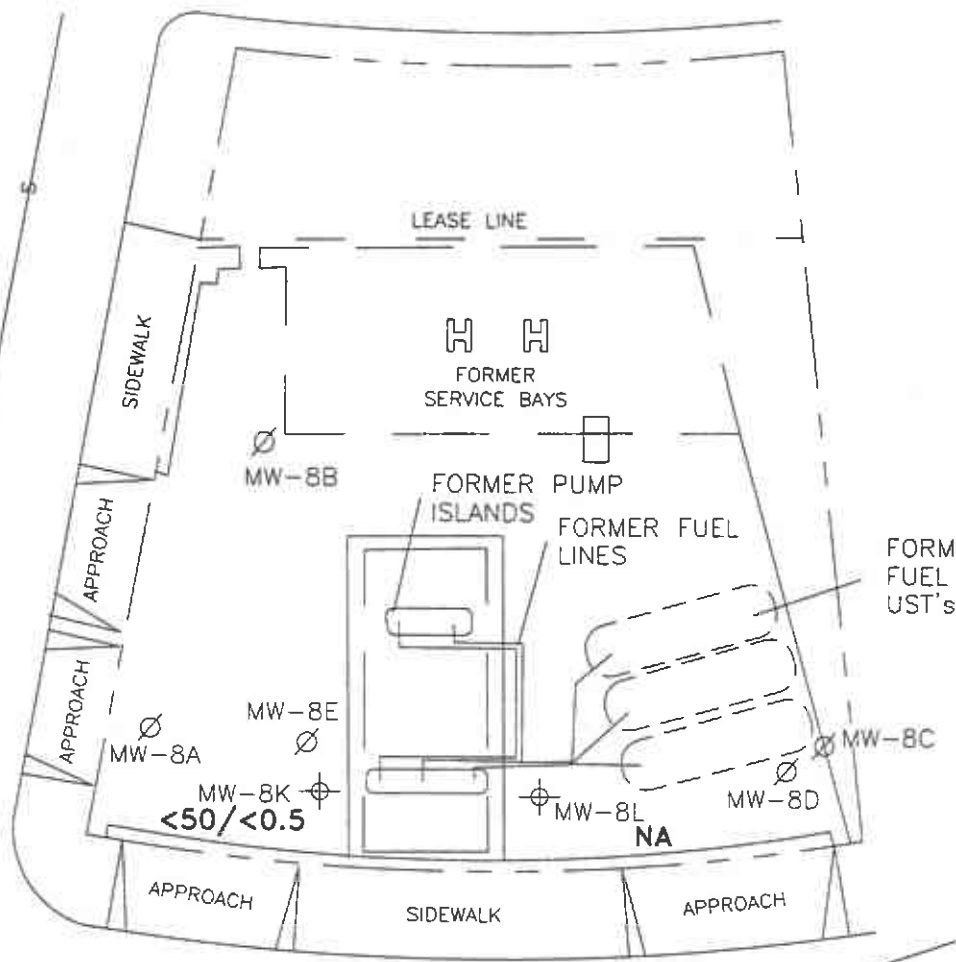
GROUNDWATER ELEVATION CONTOUR MAP,
JUNE 3, 1998

FIGURE:
2
PROJECT:
DAC04



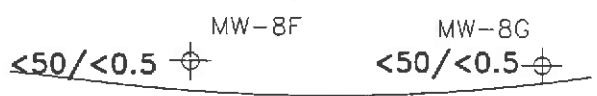
BARK STREET

EUCLID AVENUE



- EXPLANATION**
- ⊕ MONITORING WELL
 - ⊘ ABANDONED MONITORING WELL
 - <50/<0.5 TPHG/BENZENE CONCENTRATION IN GROUNDWATER, IN PPB
 - NA DATA NOT AVAILABLE

GRAND AVENUE



LAKE MERRIT PARK

Reference: GA-EA-OA.dwg
 Basemap from Geoconsultants, Inc.

PREPARED BY

Former Texaco Service Station
 500 Grand Ave./Euclid Ave.
 Oakland, California

TPHG/BENZENE CONCENTRATION MAP,
 JUNE 3, 1998

FIGURE:
 3

PROJECT:
 DAC04

Table 1
Groundwater Elevation Data
500 Grand Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)
MW-8A	Well Property Abandoned			
MW-8B	Well Property Abandoned			
MW-8C	Well Property Abandoned			
MW-8D	Well Property Abandoned			
MW-8E	Well Property Abandoned			
MW-8F	03/29/91	97.94		
	01/23/92		10.24	87.70
	02/28/92		9.93	88.01
	03/26/92		8.78	89.16
	04/30/92		9.36	88.58
	09/28/92		11.83	86.11
	11/19/92		11.22	86.72
	02/12/93		9.66	88.28
	05/06/93		8.83	89.11
	08/16/93	14.04 *	10.16	3.88
	10/12/93		10.60	3.44
	02/03/94		9.29	4.75
	05/31/94		9.34	4.70
	08/25/94		10.14	3.90
	11/02/94		10.42	3.62
	01/31/95		7.47	6.57
	05/18/95		8.00	6.04
	08/29/95		8.08	5.96
	11/02/95		8.70	5.34
	02/05/96		7.16	6.88
	04/30/96		7.25	6.79
	08/28/96		8.72	5.32
	12/05/96		8.16	5.88
	02/21/97		5.53	8.51
	05/02/97		7.85	6.19
	07/30/97		8.87	5.17
	11/05/97		9.16	4.88
	01/21/98		8.56	5.48
	06/03/98		8.30	5.74

Table 1
Groundwater Elevation Data
500 Grand Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)
MW-8G	04/23/91	97.24		
	01/23/92		11.30	85.94
	02/28/92		10.83	86.41
	03/26/92		9.20	88.04
	04/30/92		9.00	88.24
	09/28/92		13.32	83.92
	11/19/92		Well Inaccessible	
	02/12/93		Well Inaccessible	
	05/06/93		11.18	86.06
	08/16/93	13.32 *	9.51	3.81
	10/12/93		10.93	2.39
	02/03/94		9.69	3.63
	05/31/94		9.24	4.08
	08/25/94		9.74	3.58
	11/02/94		10.08	3.24
	01/31/95		5.75	7.57
	05/18/95		6.60	6.72
	08/29/95		8.14	5.18
	11/02/95		9.16	4.16
	02/05/96		7.18	6.14
	04/30/96		7.00	6.32
	08/28/96		8.94	4.38
	12/05/96		9.22	4.10
	02/21/97		6.11	7.21
	05/02/97		7.54	5.78
	07/30/97		Well Inaccessible	
	11/05/97		9.65	3.67
	01/21/98		7.57	5.75
	06/03/98		9.37	3.95

Table 1
Groundwater Elevation Data
500 Grand Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)
MW-8H	03/29/91	98.90		
	01/23/92		3.74	95.16
	02/28/92		4.44	94.46
	03/26/92		4.21	94.69
	04/30/92		3.46	95.44
	09/28/92		Well Inaccessible	
	11/19/92		3.75	95.15
	02/12/93		4.12	94.78
	05/06/93		3.85	95.05
	08/16/93	15.04 *	3.88	11.16
	10/12/93		3.80	11.24
	02/03/94		3.71	11.33
	05/31/94		3.80	11.24
	08/25/94		3.89	11.15
	11/02/94		3.64	11.40
	01/31/95		3.58	11.46
	05/18/95		3.53	11.51
	08/29/95		3.55	11.49
	11/02/95		3.49	11.55
	02/05/96		3.54	11.50
	04/30/96		3.50	11.54
	08/28/96		3.62	11.42
	12/05/96		3.38	11.66
	02/21/97		3.77	11.27
	05/02/97		3.64	11.40
	07/30/97		3.65	11.39
	11/05/97		3.61	11.43
	01/21/98		3.57	11.47
	06/03/98		3.50	11.54

Table 1
 Groundwater Elevation Data
 500 Grand Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)
MW-8I	03/29/91	98.27		
	01/23/92		6.33	91.94
	02/28/92		6.55	91.72
	03/26/92		6.45	91.82
	04/30/92		6.48	91.79
	09/28/92		Well Inaccessible	
	11/19/92		6.37	91.90
	02/12/93		6.44	91.83
	05/06/93		6.36	91.91
	08/16/93	14.40 *	6.35	8.05
	10/12/93		5.99	8.41
	02/03/94		5.84	8.56
	05/31/94		6.25	8.15
	08/25/94		6.31	8.09
	11/02/94		6.10	8.30
	01/31/95		5.83	8.57
	05/18/95		6.09	8.31
	08/29/95		6.09	8.31
	11/02/95		6.26	8.14
	02/05/96		5.97	8.43
	04/30/96		6.04	8.36
	08/28/96		6.20	8.20
	12/05/96		6.01	8.39
	02/21/97		6.15	8.25
	05/02/97		6.20	8.20
	07/30/97		6.12	8.28
	11/05/97		6.26	8.14
	01/21/98		6.00	8.40
	06/03/98		6.74	7.66

Table 1
Groundwater Elevation Data
500 Grand Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)
MW-8J	03/29/91	97.69		
	01/23/92		6.31	91.38
	02/28/92		6.28	91.41
	03/26/92		6.20	91.49
	04/30/92		6.48	91.21
	09/28/92		Well Inaccessible	
	11/19/92		6.55	91.14
	02/12/93		7.46	90.23
	05/06/93		6.21	91.48
	08/16/93	13.82 *	6.29	7.53
	10/12/93		5.87	7.95
	02/03/94		5.98	7.84
	05/31/94		6.10	7.72
	08/25/94		6.01	7.81
	11/02/94		5.90	7.92
	01/31/95		5.07	8.75
	05/18/95		5.33	8.49
	08/29/95		3.50	10.32
	11/02/95		5.94	7.88
	02/05/96		5.34	8.48
	04/30/96		5.96	7.86
	08/28/96		6.38	7.44
	12/05/96		5.94	7.88
	02/21/97		5.60	8.22
	05/02/97		6.22	7.60
	07/30/97		6.28	7.54
	11/05/97		6.03	7.79
	01/21/98		5.71	8.11
	06/03/98		5.45	8.37

Table 1
Groundwater Elevation Data
500 Grand Avenue, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)
MW-8K	08/16/93	15.18 *	2.08	13.10
	10/12/93		1.95	13.23
	02/03/94		1.48	13.70
	05/31/94		1.59	13.59
	08/25/94		2.00	13.18
	11/02/94		2.10	13.08
	01/31/95		1.35	13.83
	05/18/95		1.36	13.82
	08/29/95		1.55	13.63
	11/02/95		1.88	13.30
	02/05/96		1.46	13.72
	04/30/96		1.43	13.75
	08/28/96		1.75	13.43
	12/05/96		1.42	13.76
	02/21/97		1.49	13.69
	05/02/97		1.60	13.58
	07/30/97		1.66	13.52
11/05/97		1.62	13.56	
01/21/98		1.29	13.89	
06/03/98		1.17	14.01	
MW-8L	08/16/93	14.44 *	2.47	11.97
	10/12/93		2.36	12.08
	02/03/94		2.82	11.62
	05/31/94		2.66	11.78
	08/25/94		2.34	12.10
	11/02/94		Well Obstructed	
	01/31/95		0.08	14.36
	05/18/95		0.42	14.02
	08/29/95		Well Inaccessible	
	11/02/95		Well Inaccessible	
	02/05/96		Well Inaccessible	
	04/30/96		Well Inaccessible	
	08/28/96		0.75	13.69
	12/05/96		Well Inaccessible	
	02/21/97		Well Inaccessible	
	05/02/97		0.60	13.84
	07/30/97		Well Inaccessible	
11/05/97		0.67	13.77	
01/21/98		No Longer Monitored		
* = New well elevation survey performed on August 16, 1993 based on mean sea level (MSL). Prior data based on arbitrary site data.				
TOC = Top of Casing				

Table 2
Groundwater Analytical Data
500 Grand Avenue, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)	TPHd (ppm)	TPH as Other* (ppm)
MW-8A	Well properly abandoned								
MW-8B	Well properly abandoned								
MW-8C	Well properly abandoned								
MW-8D	Well properly abandoned								
MW-8E	Well properly abandoned								
MW-8F	01/23/92	<50	4.0	1.3	<0.5	1.9	NA	1.3	NA
	04/30/92	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<500
	09/28/92	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	11/19/92	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	02/12/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	NA
	05/06/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.1	<50
	08/16/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	10/12/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	02/03/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	05/31/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	0.53
	08/25/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	1.4
	11/02/94	<50	<0.5	<0.5	<0.5	<0.5	NA	0.52	<5
	01/31/95	<50	<0.5	<0.5	<0.5	<0.5	NA	0.29	<5
	05/18/95	<50	<0.5	<0.5	<0.5	<0.5	NA	0.054	<5
	08/29/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.083	<5
	11/02/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.051	<5
	02/05/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	0.89
	04/30/96	<50	<0.5	<0.5	<0.5	<0.5	NA	0.062	<.005
	08/28/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	12/05/96	210	17	17	11	46	<30	0.11	<5
	02/21/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.085	<5
	05/02/97	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	0.81
	07/30/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.093	<0.5
	11/05/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.14	<0.5
	01/21/98	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	NA+
	06/03/98	<50	<0.5	<0.5	<0.5	<0.5	2.9	0.73	<5.0

Table 2
Groundwater Analytical Data
500 Grand Avenue, Oakland, CA

Well	Date	TPHg	Benzene	Toluene	Ethyl- benzene	Xylenes	MTBE	TPHd	TPH as Other*
Number	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)	(ppm)
MW-8G	** 01/24/92	<50	<0.5	<0.5	<0.5	<0.5	NA	0.98	NA
	04/30/92	<50	1.7	<0.5	<0.5	<0.5	NA	<0.05	<500
	09/28/92	Well Dry							
	11/19/92	Well Inaccessible							
	02/12/93	Well Inaccessible							
	04/29/93	<50	<0.5	<0.5	<0.5	<0.5	NA	0.06	<250
	08/16/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	10/12/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	02/03/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	05/31/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<0.2
	08/25/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	0.86
	11/02/94	<50	<0.5	<0.5	<0.5	<0.5	NA	0.53	<5
	01/31/95	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	05/18/95	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	08/29/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.12	<5
	11/02/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.14	<5
	02/05/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	0.51
	04/30/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<.005
	08/28/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	12/05/96	190	16	16	9.0	39	<30	0.057	<5
	02/21/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.054	<5
	05/02/97	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	07/30/97	Well Inaccessible							
	11/05/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<0.5
	11/05/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<0.5
	01/21/98	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	NA+
	06/03/98	<50	<0.5	<0.5	<0.5	<0.5	4.0	0.57	<5.0

Table 2
Groundwater Analytical Data
500 Grand Avenue, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)	TPHd (ppm)	TPH as Other* (ppm)
MW-8H	01/23/92	110	7.2	1.2	4.7	3.2	NA	<0.06	NA
	04/30/92	190	11	1.5	5.6	3.6	NA	0.09	<500
	09/28/92	Well Inaccessible							
	11/19/92	130	6.8	<0.5	1.1	1.5	NA	NA	NA
	02/12/93	73	5.9	<0.5	0.8	<0.5	NA	NA	NA
	05/06/93	57	1.7	<0.5	<0.5	<0.5	NA	<0.1	<50
	08/16/93	<50	0.5	<0.5	0.5	1.4	NA	<0.05	<50
	10/12/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	02/03/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	05/31/94	<50	0.79	<0.5	<0.5	<0.5	NA	<0.05	1.6
	08/25/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	4.0
	11/02/94	<50	<0.5	<0.5	<0.5	<0.5	NA	0.76	<5
	01/31/95	<50	<0.5	<0.5	<0.5	<0.5	NA	0.19	<5
	05/18/95	<50	<0.5	<0.5	<0.5	<0.5	NA	0.37	6.6
	08/29/95	<50	<0.5	<0.5	<0.5	<0.5	<10	1.0	<5
	11/02/95	<50	<0.5	<0.5	<0.5	<0.5	<10	<0.05	5.8
	02/05/96	<50	<0.5	<0.5	<0.5	<0.5	NA	0.19	2.3
	04/30/96	<50	<0.5	<0.5	<0.5	<0.5	NA	1.80	0.0087
	08/28/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	7.7
	12/05/96	100	6.2	7.3	5.0	22	<30	0.35	<5
	02/21/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.90	<13
	05/02/97	<50	<0.5	<0.5	<0.5	<0.5	NA	0.45	<5
	07/30/97	<50	<0.5	0.62	<0.5	<0.5	<30	0.18	13
	11/05/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.28	4.1
	01/21/98	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	4.7
	06/03/98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.44	11

Table 2
Groundwater Analytical Data
500 Grand Avenue, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)	TPHd (ppm)	TPH as Other* (ppm)
MW-81	01/23/92	820	420	7	27	20	NA	0.21	NA
	04/30/92	2,200	1,800	19	180	25	NA	0.43	<500
	09/28/92	Well Inaccessible							
	11/19/92	720	120	1.1	29	13	NA	NA	NA
	02/12/93	4,000	970	9.2	52	36	NA	NA	NA
	05/06/93	1,400	370	2.4	40	8.4	NA	<0.01	<50
	08/16/93	<50	3.1	<0.5	6	<0.5	NA	<0.05	<50
	10/12/93	<50	1.4	<0.5	<0.5	<0.5	NA	<0.05	<50
	02/03/94	1,000	270	3.2	51	14	NA	<0.05	<50
	05/31/94	1,400	330	4.6	52	16	NA	<0.05	0.33
	08/25/94	540	14	0.58	30	4.3	NA	<0.05	0.73
	11/02/94	310	5.7	0.74	20	<0.5	NA	0.37	<5
	01/31/95	840	290	4.5	45	1.6	NA	0.91	<5
	05/18/95	1,700	390	7.8	80	10	NA	1.1	<5
	08/29/95	300	81	<0.5	13	0.63	<10	0.56	<5
	11/02/95	81	<0.5	4.1	1.5	<0.5	<10	0.16	<5
	02/05/96	300	75	0.75	8.4	1.2	NA	0.14	<0.5
	04/30/96	350	150	0.77	3.2	1.3	NA	<0.05	<.005
	08/28/96	1100	300	2.9	3.2	2.1	NA	0.38	<5
	12/05/96	340	23	8.7	11	26	<30	0.053	<5
	02/21/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.33	<5
	05/02/97	110	39	<0.5	0.92	<0.5	NA	<0.05	<5
	07/30/97	<50	4.2	<0.5	<0.5	<0.5	<30	0.17	1.2
	11/05/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<0.5
	01/21/98	<50	1.5	<0.5	<0.5	<0.5	<30	<0.05	0.76
	06/03/98	<50	<0.5	<0.5	<0.5	<0.5	1.5	0.36	<5.0

Table 2
Groundwater Analytical Data
500 Grand Avenue, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)	TPHd (ppm)	TPH as Other* (ppm)
MW-8J	01/23/92	<50	1	<0.5	<0.5	<0.5	NA	<0.05	NA
	04/30/92	<50	2	<0.5	<0.5	<0.5	NA	<0.05	<500
	09/28/92	Well Inaccessible							
	11/19/92	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	02/12/93	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	05/06/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.01	<50
	08/16/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	10/12/93	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	02/03/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	05/31/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<0.2
	08/25/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	1.0
	11/02/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	01/31/95	<50	3.7	<0.5	<0.5	<0.5	NA	<0.05	<5
	08/29/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.25	<5
	05/18/95	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	08/29/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.25	<5
	11/02/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.52	<5
	02/05/96	<50	<0.5	<0.5	<0.5	<0.5	NA	0.065	1.0
	04/30/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<.005
	08/28/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	12/05/96	160	13	14	8.9	38	<30	<0.05	<5
	02/21/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<5
	05/02/97	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	07/30/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<0.5
	11/05/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<0.5
	01/21/98	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	0.34
	06/03/98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<5.0

Table 2
 Groundwater Analytical Data
 500 Grand Avenue, Oakland, CA

Well	Date	TPHg	Benzene	Toluene	Ethyl- benzene	Xylenes	MTBE	TPHd	TPH as Other*
Number	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)	(ppm)
MW-8K	05/21/93	54	12	<0.5	<0.5	<0.5	NA	<0.05	<50
	08/16/93	<50	<0.5	<0.5	1.0	<0.5	NA	<0.05	<50
	10/24/93	<50	4.2	<0.5	<0.5	<0.5	NA	<0.05	<50
	02/03/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<50
	05/31/94	<50	1.0	0.57	<0.5	<0.5	NA	<0.05	<0.2
	08/25/94	<50	0.78	<0.5	<0.5	<0.5	NA	<0.05	0.98
	11/02/94	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	01/31/95	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	05/18/95	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	08/29/95	<50	<0.5	<0.5	<0.5	<0.5	<10	0.16	<5
	11/02/95	<50	<0.5	<0.5	<0.5	<0.5	<10	<0.05	<5
	02/05/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<0.5
	04/30/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<.005
	08/28/96	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	12/05/96	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<5
	02/21/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<5
	05/02/97	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5
	07/30/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	<0.5
	11/05/97	<50	<0.5	<0.5	<0.5	<0.5	<30	0.30	<0.5
	01/21/98	<50	<0.5	<0.5	<0.5	<0.5	<30	<0.05	0.12
	06/03/98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<5.0

Table 2
Groundwater Analytical Data
500 Grand Avenue, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)	TPHd (ppm)	TPH as Other* (ppm)
MW-8L	05/21/93	76	1.1	<0.5	<0.5	6	NA	<0.05	<50
	08/16/93	<50	<0.5	<0.5	0.7	1.1	NA	<0.05	<50
	10/12/93	110	13	<0.5	6	<0.5	NA	<0.05	<50
	02/03/94	590	61	2.4	<0.5	110	NA	<0.05	<50
	05/31/94	410	77	<0.5	20	1.1	NA	<0.05	<0.2
	08/25/94	260	16	<0.5	2.5	<0.5	NA	<0.05	1.1
	11/02/94	Well Inaccessible							
	01/31/95	Well Inaccessible							
	05/18/95	Well Inaccessible							
	08/29/95	Well Inaccessible							
	11/02/95	Well Inaccessible							
	02/05/96	Well Inaccessible							
	04/30/96	Well Inaccessible							
	08/28/96	Well Inaccessible							
	12/05/96	Well Inaccessible							
	02/21/97	Well Inaccessible							
	05/02/97	Well Inaccessible							
	07/30/97	Well Inaccessible							
	11/05/97	Not Sampled							
	01/21/98	No Longer Sampled							
TPHg = Total Petroleum Hydrocarbons as gasoline.									
TPHd = Total Petroleum Hydrocarbons as diesel.									
MTBE = Methyl-tert-butylether									
ppb = parts per billion									
ppm = parts per million									
NA = Not Analyzed									
< = Less than the detection limit for the specified method of analysis.									
+ = Results for Oil & Grease analysis for samples MW-8F and MW-8G were not available due to VOC Analytical's bankruptcy.									
* = Includes "heavy" petroleum hydrocarbons such as waste oil, mineral spirits, jet fuel, or fuel oil.									
** = Non-diesel mix >C16. The certified analytical report for sample MW-8G was revised on 10/21/93.									



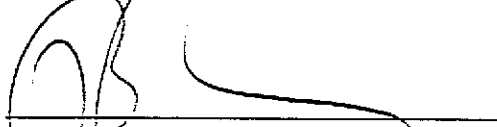
Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Texaco 500 Grand Ave Lab Proj. ID: 9806207	Sampled: 06/03/98 Received: 06/04/98 Analyzed: see below Reported: 06/18/98
Attention: Kent Brown		

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9806207-01 Sample Desc: LIQUID,MW8K				
TRPH (SM 5520 B&F)	mg/L	06/12/98	5.0	N.D.
Lab No: 9806207-02 Sample Desc: LIQUID,MW8G				
TRPH (SM 5520 B&F)	mg/L	06/12/98	5.0	N.D.
Lab No: 9806207-03 Sample Desc: LIQUID,MW8F				
TRPH (SM 5520 B&F)	mg/L	06/12/98	5.0	N.D.
Lab No: 9806207-04 Sample Desc: LIQUID,MW8J				
TRPH (SM 5520 B&F)	mg/L	06/12/98	5.0	N.D.
Lab No: 9806207-05 Sample Desc: LIQUID,MW8I				
TRPH (SM 5520 B&F)	mg/L	06/12/98	5.0	N.D.
Lab No: 9806207-06 Sample Desc: LIQUID,MW8H				
TRPH (SM 5520 B&F)	mg/L	06/12/98	5.0	11
Lab No: 9806207-07 Sample Desc: LIQUID,EB				
TRPH (SM 5520 B&F)	mg/L	06/12/98	5.0	N.D.

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Client Proj. ID: Texaco 500 Grand Ave
Sample Descript: MW8K
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9806207-01

Sampled: 06/03/98
Received: 06/04/98
Extracted: 06/14/98
Analyzed: 06/16/98
Reported: 06/18/98

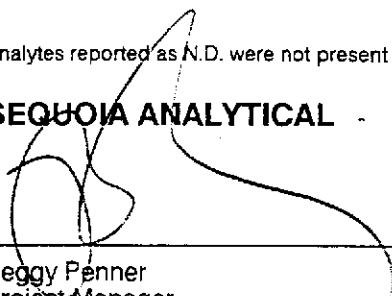
QC Batch Number: GC0614980HBPEXY
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern:	50	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	78

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Kent Brown

Client Proj. ID: Texaco 500 Grand Ave
Sample Descript: MW8K
Matrix: LIQUID
Analysis Method: EPA 8020
Lab Number: 9806207-01

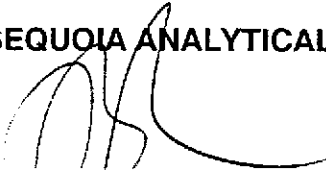
Sampled: 06/03/98
Received: 06/04/98
Analyzed: 06/09/98
Reported: 06/18/98

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	0.50	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	93

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

SEQUOIA ANALYTICAL - ELAP #1849


Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Texaco 500 Grand Ave Sample Descript: MW8K Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9806207-01	Sampled: 06/03/98 Received: 06/04/98 Analyzed: 06/09/98 Reported: 06/18/98
Attention: Kent Brown		

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	93

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

SEQUOIA ANALYTICAL - ELAP #1849


Peggy Penner
Project Manager





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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Kent Brown

Client Proj. ID: Texaco 500 Grand Ave
Sample Descript: MW8G
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9806207-02

Sampled: 06/03/98
Received: 06/04/98
Extracted: 06/14/98
Analyzed: 06/16/98
Reported: 06/18/98

QC Batch Number: GC0614980HBPEXZ
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern: Unidentified HC	50	570 C9-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 91

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Kent Brown

Client Proj. ID: Texaco 500 Grand Ave
Sample Descript: MW8G
Matrix: LIQUID
Analysis Method: EPA 8020
Lab Number: 9806207-02

Sampled: 06/03/98
Received: 06/04/98

Analyzed: 06/09/98
Reported: 06/18/98

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	0.5	4.0
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	87

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

SEQUOIA ANALYTICAL - ELAP #1849


Peggy Renner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Kent Brown

Client Proj. ID: Texaco 500 Grand Ave
Sample Descript: MW8G
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9806207-02

Sampled: 06/03/98
Received: 06/04/98
Analyzed: 06/09/98
Reported: 06/18/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	87

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

SEQUOIA ANALYTICAL - ELAP #1849


Peggy Peaner
Project Manager





**Sequoia
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FAX (707) 792-0342

Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Texaco 500 Grand Ave Sample Descript: MW8F Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9806207-03	Sampled: 06/03/98 Received: 06/04/98 Extracted: 06/14/98 Analyzed: 06/16/98 Reported: 06/18/98
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QC Batch Number: GC0614980HBPEXZ
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern: Unidentified HC	50	730 C9-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 98

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Kent Brown

Client Proj. ID: Texaco 500 Grand Ave
Sample Descript: MW8F
Matrix: LIQUID
Analysis Method: EPA 8020
Lab Number: 9806207-03

Sampled: 06/03/98
Received: 06/04/98

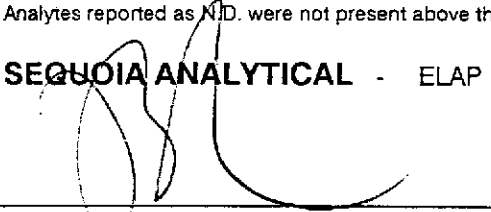
Analyzed: 06/09/98
Reported: 06/18/98

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	0.50	2.9
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	83

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

SEQUOIA ANALYTICAL - ELAP #1849


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Kent Brown

Client Proj. ID: Texaco 500 Grand Ave
Sample Descript: MW8F
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9806207-03

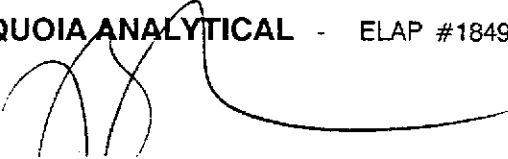
Sampled: 06/03/98
Received: 06/04/98
Analyzed: 06/09/98
Reported: 06/18/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	83

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

SEQUOIA ANALYTICAL - ELAP #1849


Peggy Renner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Kent Brown

Client Proj. ID: Texaco 500 Grand Ave
Sample Descript: MW8J
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9806207-04

Sampled: 06/03/98
Received: 06/04/98
Extracted: 06/14/98
Analyzed: 06/16/98
Reported: 06/18/98

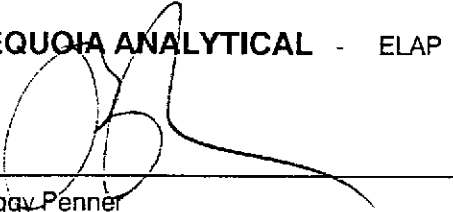
QC Batch Number: GC0614980HBPEXZ
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern:	50	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	91

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Client Proj. ID: Texaco 500 Grand Ave
Sample Descript: MW8J
Matrix: LIQUID
Analysis Method: EPA 8020
Lab Number: 9806207-04

Sampled: 06/03/98
Received: 06/04/98
Analyzed: 06/09/98
Reported: 06/18/98

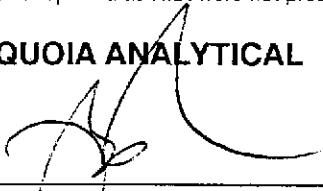
Attention: Kent Brown

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	0.50	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	97

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

SEQUOIA ANALYTICAL - ELAP #1849


Peggy Penner
Project Manager





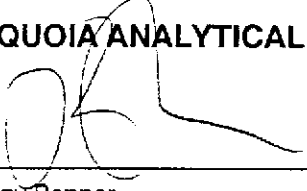
Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Texaco 500 Grand Ave Sample Descript: MW8J Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9806207-04	Sampled: 06/03/98 Received: 06/04/98 Analyzed: 06/09/98 Reported: 06/18/98
Attention: Kent Brown		

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	97

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

SEQUOIA ANALYTICAL - ELAP #1849


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Kent Brown

Client Proj. ID: Texaco 500 Grand Ave
Sample Descript: MW8l
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9806207-05

Sampled: 06/03/98
Received: 06/04/98
Extracted: 06/14/98
Analyzed: 06/16/98
Reported: 06/18/98

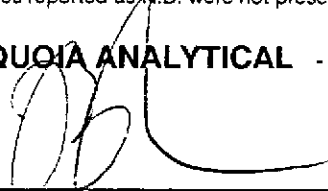
QC Batch Number: GC0614980HBPEXZ
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern: Unidentified HC	50	360 C9-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 100

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Kent Brown

Client Proj. ID: Texaco 500 Grand Ave
Sample Descript: MW8I
Matrix: LIQUID
Analysis Method: EPA 8020
Lab Number: 9806207-05

Sampled: 06/03/98
Received: 06/04/98
Analyzed: 06/09/98
Reported: 06/18/98

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	0.50	1.5
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	90

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

SEQUOIA ANALYTICAL - ELAP #1849


Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Texaco 500 Grand Ave Sample Descript: MW81 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9806207-05	Sampled: 06/03/98 Received: 06/04/98 Analyzed: 06/09/98 Reported: 06/18/98
Attention: Kent Brown		

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	90

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

SEQUOIA ANALYTICAL - ELAP #1849



 Peggy Penner
 Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Texaco 500 Grand Ave Sample Descript: MW8H Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9806207-06	Sampled: 06/03/98 Received: 06/04/98 Extracted: 06/14/98 Analyzed: 06/16/98 Reported: 06/18/98
Attention: Kent Brown		

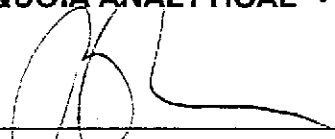
QC Batch Number: GC0614980HBPEXZ
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern: Unidentified HC	50	440 C9-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 114

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Kent Brown

Client Proj. ID: Texaco 500 Grand Ave
Sample Descript: MW8H
Matrix: LIQUID
Analysis Method: EPA 8020
Lab Number: 9806207-06

Sampled: 06/03/98
Received: 06/04/98
Analyzed: 06/09/98
Reported: 06/18/98

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	0.50	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	100

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

SEQUOIA ANALYTICAL - ELAP #1849


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Kent Brown

Client Proj. ID: Texaco 500 Grand Ave
Sample Descript: MW8H
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9806207-06

Sampled: 06/03/98
Received: 06/04/98

Analyzed: 06/09/98
Reported: 06/18/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	100

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

SEQUOIA ANALYTICAL - ELAP #1849


Peggy Penner
Project Manager





**Sequoia
Analytical**

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FAX (707) 792-0342

Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Attention: Kent Brown	Client Proj. ID: Texaco 500 Grand Ave Sample Descript: EB Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9806207-07	Sampled: 06/03/98 Received: 06/04/98 Extracted: 06/14/98 Analyzed: 06/16/98 Reported: 06/18/98
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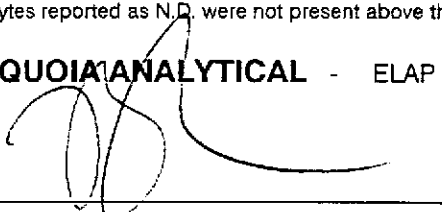
QC Batch Number: GC0614980HBPEXZ
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern:	50	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	84

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Kent Brown

Client Proj. ID: Texaco 500 Grand Ave
Sample Descript: EB
Matrix: LIQUID
Analysis Method: EPA 8020
Lab Number: 9806207-07

Sampled: 06/03/98
Received: 06/04/98
Analyzed: 06/09/98
Reported: 06/18/98

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	0.50	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	87

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

SEQUOIA ANALYTICAL - ELAP #1849


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Client Proj. ID: Texaco 500 Grand Ave
Sample Descript: EB
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9806207-07

Sampled: 06/03/98
Received: 06/04/98
Analyzed: 06/09/98
Reported: 06/18/98

Attention: Kent Brown

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	87

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

SEQUOIA ANALYTICAL - ELAP #1849


Peggy Penner
Project Manager





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FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Kent Brown

Client Proj. ID: Texaco 500 Grand Ave

Received: 06/04/98

Lab Proj. ID: 9806207

Reported: 06/18/98

LABORATORY NARRATIVE

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

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager





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FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Kent Brown

Client Proj. ID: Texaco 500 Grand Ave

Received: 06/04/98

Lab Proj. ID: 9806207

Reported: 06/18/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 24 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL


Peggy Penner
Project Manager





Sequoia Analytical

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FAX (916) 921-0100
FAX (707) 792-0342

Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Kent Brown

Client Project ID: Texaco 500 Grand Ave.
Matrix: Liquid

Work Order #: 9806207 -01-07

Reported: Jun 19, 1998

QUALITY CONTROL DATA REPORT

Analyte: Total Oil & Grease

QC Batch#: SP0608985520EXA

Analy. Method: SM 5520BF

Prep. Method: SM 5520BF

Analyst: H. Otonan

BS/BSD #: BLK060898

Sample Conc.: N.D.

Prepared Date: 6/8/98

Analyzed Date: 6/8/98

Instrument I.D.#: MANUAL

Conc. Spiked: 10 mg/L

Result: 8.2

BS % Recovery: 82

Dup. Result: 8.3

BSD % Recov.: 83

RPD: 1.2

RPD Limit: 0-30

LCS #: BLK061198

Prepared Date: 6/11/98

Analyzed Date: 6/12/98

Instrument I.D.#: MANUAL

Conc. Spiked: 10 mg/L

LCS Result: 9.6

LCS % Recov.: 96

MS/MSD 60-140

LCS 70-130

Control Limits

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9806207.BLA <1>





Sequoia Analytical

680 Chesapeake Drive
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FAX (916) 921-0100
FAX (707) 792-0342

Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Kent Brown

Client Project ID: Texaco 500 Grand Ave.
Matrix: Liquid

Work Order #: 9806207-01-07

Reported: Jun 19, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	06V8137	06V8137	06V8137	06V8137
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 8030	EPA 8030	EPA 8030	EPA 8030

Analyst:	L. Hall	L. Hall	L. Hall	L. Hall
LCS/LCSD #:	LCS060998	LCS060998	LCS060998	LCS060998
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/9/98	6/9/98	6/9/98	6/9/98
Analyzed Date:	6/9/98	6/9/98	6/9/98	6/9/98
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	20 µg/L
Result:	20	20	21	20
LCS % Recovery:	100	100	110	100
Dup. Result:	21	21	21	22
LCSD % Recov.:	110	110	110	110
RPD:	4.9	4.9	0.0	9.5
RPD Limit:	0-30	0-30	0-30	0-30

MS/MSD	80-120	80-120	80-120	80-120
LCS				
Control Limits				

SEQUOIA ANALYTICAL
Elap #1849

Peggy Penner
Project Manager

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9806207.BLA <2>





Sequoia Analytical

680 Chesapeake Drive
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FAX (707) 792-0342

Blaine Tech Services 1680 Rogers Ave. San Jose, CA 95112 Attention: Kent Brown	Client Project ID: <i>Texaco</i> 500 Grand Ave.
QC Sample Group: 9806207-01	Reported: Jun 18, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015A
Analyst:	A. Porter
ANALYTE	Diesel

QC Batch #: GC0614980HBPEXY

LCS ID: BLK061498YS/YSD

Date Prepared: 6/14/98
Date Analyzed: 6/15/98
Instrument I.D.#: GCHP4A

Conc. Spiked, ug/L: 1000

Blank Spike, ug/L: 630
% Recovery: 63

Blank
pike Duplicate, ug/L: 630
% Recovery: 63

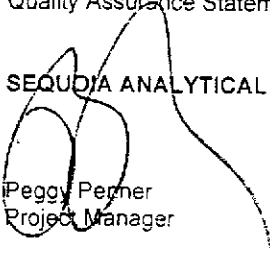
Relative % Difference: 0.0

% Recovery
Control Limits: 50-150

RPD Control Limits: 0-50

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL


Peggy Pernier
Project Manager

Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.





Sequoia Analytical

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Blaine Tech Services
1680 Rogers Ave.
San Jose, CA 95112
Attention: Kent Brown

Client Project ID: Texaco 500 Grand Ave.

QC Sample Group: 9806207-02-07

Reported: Jun 18, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8015A
Analyst: A. PORTER

ANALYTE Diesel

QC Batch #: GC0614980HBPEXZ

Sample No.: 9806549-5

Date Prepared: 6/14/98

Date Analyzed: 6/16/98

Instrument I.D.#: GCHP5A

Sample Conc., ug/L: 12000

Conc. Spiked, ug/L: 1000

Matrix Spike, ug/L: 33000

% Recovery: 2100

Matrix

pike Duplicate, ug/L: 14000

% Recovery: 200

relative % Difference: 165

RPD Control Limits: 0-50 * Elevated recovery due to 200-fold dilution on the sample and associated MS/MSD.

LCS Batch#: BLK061498ZS

Date Prepared: 6/14/98

Date Analyzed: 6/16/98

Instrument I.D.#: GCHP5A

Conc. Spiked, ug/L: 1000

Recovery, ug/L: 760

LCS % Recovery: 76

Percent Recovery Control Limits:

MS/MSD 50-150

LCS 60-140

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.



ENVIRONMENTAL SERVICES
 LABORATORIES, INC.
 Redwood City

TEXACO

4 12 21
 NR

CHAIN OF CUSTODY RECORD

Date 6-3-98
 Page 1 of 1

LABORATORY CLIENT: <u>TRMI EH&S</u>		CLIENT PROJECT NAME / NUMBER: <u>980603-C1</u>		P.O. NO.:
ADDRESS: <u>108 Cutting Blvd.</u>		PROJECT CONTACT: <u>Karen Petryna (Texaco) / KENT BROWN (BTS)</u>		QUOTE NO.:
CITY: <u>Richmond</u>	STATE: <u>CA</u>	ZIP: <u>94804</u>	SAMPLER(S): (SIGNATURE)	
TEL: <u>(910) 236-3541</u>	FAX: <u>(510) 237-7821</u>	E-MAIL:		LAB USE ONLY

TURNAROUND TIME
 SAME DAY 24 HR 48 HR 72 HRS 5 DAYS 10 DAYS

SPECIAL INSTRUCTIONS
Texaco Loc. # 624880235
500 Grand Ave., Oakland, CA
* Report to BTS
ATTN: KENT BROWN

							REQUESTED ANALYSES														
LAB USE ONLY	SAMPLE ID	LOCATION/DESCRIPTION	SAMPLING		MATRIX	NO. OF CONT.	TPH (G)	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	SVOCs (8270C)	PEST / PCBs (8081A)	EDB / DBCP (504.1 or 8011)	CAC, T22 METALS (6010A)	ICP/MS METALS (6020)	PNAs (8310)	VOCs (T0-14)	CH ₄ / TGNMO (25.1)	FIXED GASES (25.1 or D1946)	Total Oil + Grease	
			DATE	TIME																	
	01	MWBK //	6-3-98	8:38	W	7	Y														
	02	MWBG //		9:05																	
	03	MWBF //		9:50																	
	04	MWBJ //		10:30																	
	05	MWBI //		10:50																	
	06	MW8H //		11:10																	
	07	EB //																			

Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>[Signature]</u>	Date: <u>6/4/98</u>	Time: <u>10:50</u>
Disposed by: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>[Signature]</u>	Date:	Time:
Received by: (Signature) <u>[Signature]</u>	Received for Laboratory by: (Signature) <u>[Signature]</u>	Date: <u>6/4</u>	Time: <u>1221</u>

500 Grand Ave; Oakland

Well Gauging Data

Project Name:

TEXACO

Project Number:

980603-c1

Date:

6-3-98

Recorded By:

cm

Well ID	TOC Elev.	DTB (ft. TOC)	Well Dia. (in.)	DTP (ft.)	DTW (ft.)	PT (ft.)	Comments
MW8F		14.35	4		8.30		
MW8G		14.30	4		9.37	*	measured w/ORC out
MW8H		14.80	4		3.50		ORC above water column.
MW8I		14.50	4		6.74	*	"
MW8J		14.70	4		5.45		
MW8K		16.45	2		1.17		

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 #: 980603-C1	Texaco ID#: 624 880,235
Sampler: CM	Date: 6-3-98
Well I.D.: MW 8 F	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 14.35	Depth to Water: 8.30
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: _____

<u>3.9</u>	x	<u>3</u>	=	<u>11.7</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
9:30	61.8	7.5 7.3	3000	7200	4.0	
9:40	62.8	7.9	3300	124	8.0	
9:46	61.5	8	3300	190	12.0	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 12
Sampling Time: 9:50	Sampling Date: 6-3-98
Sample I.D.: MW-8F	Laboratory: BC Analytical <i>Sequoia</i>
Analyzed for: Tph-G BTEX Tph-D	Other: 0 + 6
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980603-C1	Texaco ID#: 624880235
Sampler: CM	Date: 6-3-98
Well I.D.: MW 8K	Well Diameter: (2) 3 4 6 8
Total Well Depth: 16.45	Depth to Water: 1.17
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 <input checked="" type="checkbox"/> Teflon Bailer Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: S.S. Bailer <input checked="" type="checkbox"/> Teflon Bailer Extraction Port Other: _____
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<u>2.4</u>	\times	<u>3</u>	$=$	<u>7.2</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
8:26	70.8	7.3	1550	7200	2.5	
8:30	70.0	6.4	1600	7200	5.0	
8:33	70.4	6.3	1600	7200	7.5	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 7.5
Sampling Time: 8:38	Sampling Date: 6-3-98
Sample I.D.: MW-8K	Laboratory: BC Analytical Sequoia
Analyzed for: <input checked="" type="checkbox"/> Tph-G <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> Tph-D <input checked="" type="checkbox"/> Other: 0 + 6	
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 PURGEWATER WHICH HAS BEEN RECOVERED FROM GROUNDWATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED TO THE DESTINATION DESIGNATED BY TRMI EH&S.

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

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

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

Texaco#: 624 880 235
 Address: 500 GRAND AVE.
 City, State, ZIP: OAKLAND, CA

WELL I.D.	GALS.	WELL I.D.	GALS.
MWBK	7.5		
MW8G	10.0		
MW8F	12.0		
MW8J	18.0		
MWI	15.0		
MW8H	22.0		
Total gals.	84.5	added rinse water	20.0

Total Gals. Recovered 104.5

Job#: 980603-C1
 Date: 6-3-98
 Time: 11:15
 Signature: [Signature]

REC'D AT: BT S
 Date: 6-3-98
 Time: 16:40
 Signature: [Signature]

QUARTERLY STATUS REPORT

Former Texaco Service Station/Current Parking Lot
500 Grand Avenue, Oakland, California
Alameda County
Second Quarter, 1998

SITE HISTORY

A site preliminary subsurface investigation was conducted in May 1988. During the initial investigation, a soil gas survey was conducted, 15 soil borings were drilled, and 5 on-site groundwater monitoring wells were installed. In 1989 5 off-site wells were installed. The initial 5 on-site wells have been abandoned and replaced by 2 wells located at the southern perimeter of the site. Over 2,400 cubic yards of hydrocarbon-impacted soil have been excavated and removed from within the property boundaries. The waste oil tank, tank backfill material, and impacted soil were excavated and disposed of in September 1990. Clay sewer pipes and contaminated soil from an abandoned utility trench near the former waste oil tank were removed from the site in early 1991. Site structures, 3 underground storage tanks, dispenser islands and associated piping, and stockpiled soils were removed from the site in April 1992. The excavated area was backfilled and compacted using clean imported material.

WORK PERFORMED THIS QUARTER

Continued groundwater monitoring and sampling program.

CHARACTERIZATION STATUS

All petroleum impacted soils underlying the site, with a possible exception of a very narrow band along the Grand Avenue sidewalk, have been removed by the extensive soil excavation activities. Groundwater at the site has been affected by gasoline, diesel, and hydrocarbons above the range of diesel. Since the removal of on-site contaminated soils, significant reductions in TPH-g and TPH-d concentrations in groundwater have been reported for samples taken from on- and off-site wells.

REMEDIATION STATUS

No further investigation or remediation of the vadose-zone soils is planned. It is proposed that down gradient wells continue to be monitored to document the biodegradation of the remaining dissolved-phase hydrocarbons in the groundwater. Oxygen release compounds were installed in December 1996 in selected wells to enhance the natural in-situ biodegradation process.

WORK TO BE PERFORMED NEXT QUARTER

Continue groundwater monitoring and sampling program, and replace the ORC.

WATER SUPPLY WELL

In 1997, there were no known drinking water supply wells within a 1/2 mile radius of the site.