

PACIFIC
ENVIRONMENTAL
GROUP, INC.

AN  COMPANY

209 1109

June 18, 1999
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
Fourth Quarter 1998 and First Quarter 1999**
Former Texaco Service Station
500 Grand Avenue at Euclid Avenue
Oakland, California
Incident Number: 88870189

Dear Ms. Hugo:

The following presents the results of fourth quarter 1998 and first quarter 1999 monitoring for the site referenced above. This letter has been prepared for Equiva Services LLC (Equiva) by Pacific Environmental Group, Inc. (PEG).

ENVIRONMENTAL
PROTECTION

QUARTERLY MONITORING FINDINGS

Ground-water monitoring wells were gauged and sampled on November 5, 1998 and February 16, 1999 by Blaine Tech Services, Inc. (Blaine) at the direction of PEG. Blaine's fourth quarter 1998 ground-water monitoring report which includes the Ground Water Chemical Analytical Data table, field data, and the certified analytical reports are presented as Attachment A. Blaine's first quarter 1999 ground-water monitoring report which includes the Well Concentrations table, field data and the certified analytical reports are presented as Attachment B.

Ground-water elevation contours for the November 1998 and February 1999 monitoring events are shown on Figures 1 and 2, respectively. Ground-water analytical data for the fourth quarter 1998 gauging date are presented in the Ground Water Chemical Analytical Data table and ground-water analytical data for the first quarter 1999 gauging date are presented in the Well Concentrations table.

All wells sampled were analyzed for total purgeable petroleum hydrocarbons (TPPH), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), methyl tert-butyl ether

(MtBE) by EPA Methods 8015 (modified) and 8020, total extractable petroleum hydrocarbons (TEPH) by EPA Method 8015 (modified), and total recoverable petroleum hydrocarbons (TRPH) as oil and grease by EPA Method 418.1. Ground-water analytical data for the November 1998 and February 1999 sampling dates are shown on Figures 1 and 2, respectively. Ground-water analytical data collected during the November 1998 and February 1999 sampling events are presented in the Ground Water Chemical Analytical Data table and Well Concentrations table, respectively. TRPH concentrations from the February 1999 sampling date are presented in Table 1.

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 ground-water monitoring wells were installed. In 1989, five off-site wells were installed. The initial five on-site wells have been abandoned and replaced by two 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, three underground storage tanks, dispenser islands, associated piping, and stockpiled soils were removed from the site in April 1992. The excavated area was backfilled and compacted using clean imported material.

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. Ground water at the site has been affected by TPPH, TEPH, and hydrocarbons above the range of diesel. Since the removal of on-site contaminated soils, significant reductions in TPPH and TEPH concentrations in ground water have been reported for samples taken from on-site and off-site wells.

Oxygen release compounds (ORCs) were installed in December 1996 in selected wells to enhance the natural in-situ biodegradation process. ORC units are currently utilized in Wells MW-8F, MW-8G, and MW-8I.

DISCUSSION

The contamination plume appears stable and is attenuating. During the fourth quarter 1998 and first quarter 1999 monitoring activities, minor concentrations of TEPH were detected in all off-site ground-water monitoring wells with the exception of Well MW-8J, which reported a non-detectable concentration of TEPH during the fourth quarter 1998 sampling date. TPPH, benzene, and MtBE concentrations were non-

June 18, 1999

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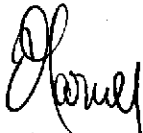
detectable in all wells sampled during the last two quarters with the exception of Well MW-8J, which reported a benzene concentration of 2.0 ppb.

PEG will continue to implement quarterly monitoring of Wells MW-8F and MW-8G in the first quarter 1999 and annual monitoring of Wells MW-8H through MW-8K during the fourth quarter 1999. PEG will continue to monitor the effectiveness of in-situ biodegradation at the site and has tentatively scheduled a replacement of ORC units in Wells MW-8F, MW-8G, and MW-8I during the month of July 1999.

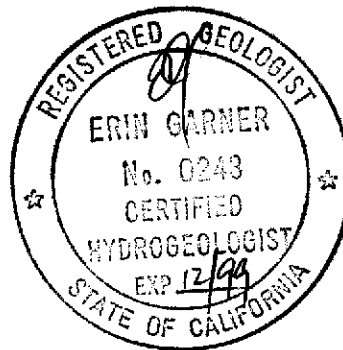
If you have any questions or comments regarding this site, please contact me at your convenience at (408) 441-7500.

Sincerely,

Pacific Environmental Group, Inc.



Erin Garner
Senior Geologist
CHG 0243



Attachments: Table 1 – Ground-water Analytical Data (First Quarter 1999) – TRPH
Figure 1 – Ground-water Monitoring Map – Fourth Quarter 1998
Figure 2 – Ground-water Monitoring Map – First Quarter 1999
Attachment A – Groundwater Monitoring Report –
Fourth Quarter 1998
Attachment B – Groundwater Monitoring Report -
First Quarter 1999

cc: Ms. Karen Petryna, Equiva Services LLC, P.O. Box 6249, Carson, CA 90749-6249
Mr. Richard Hiatt, California Regional Water Quality Control Board, San Francisco Bay Region,
1515 Clay Street, Suite 1400, Oakland, CA 94612

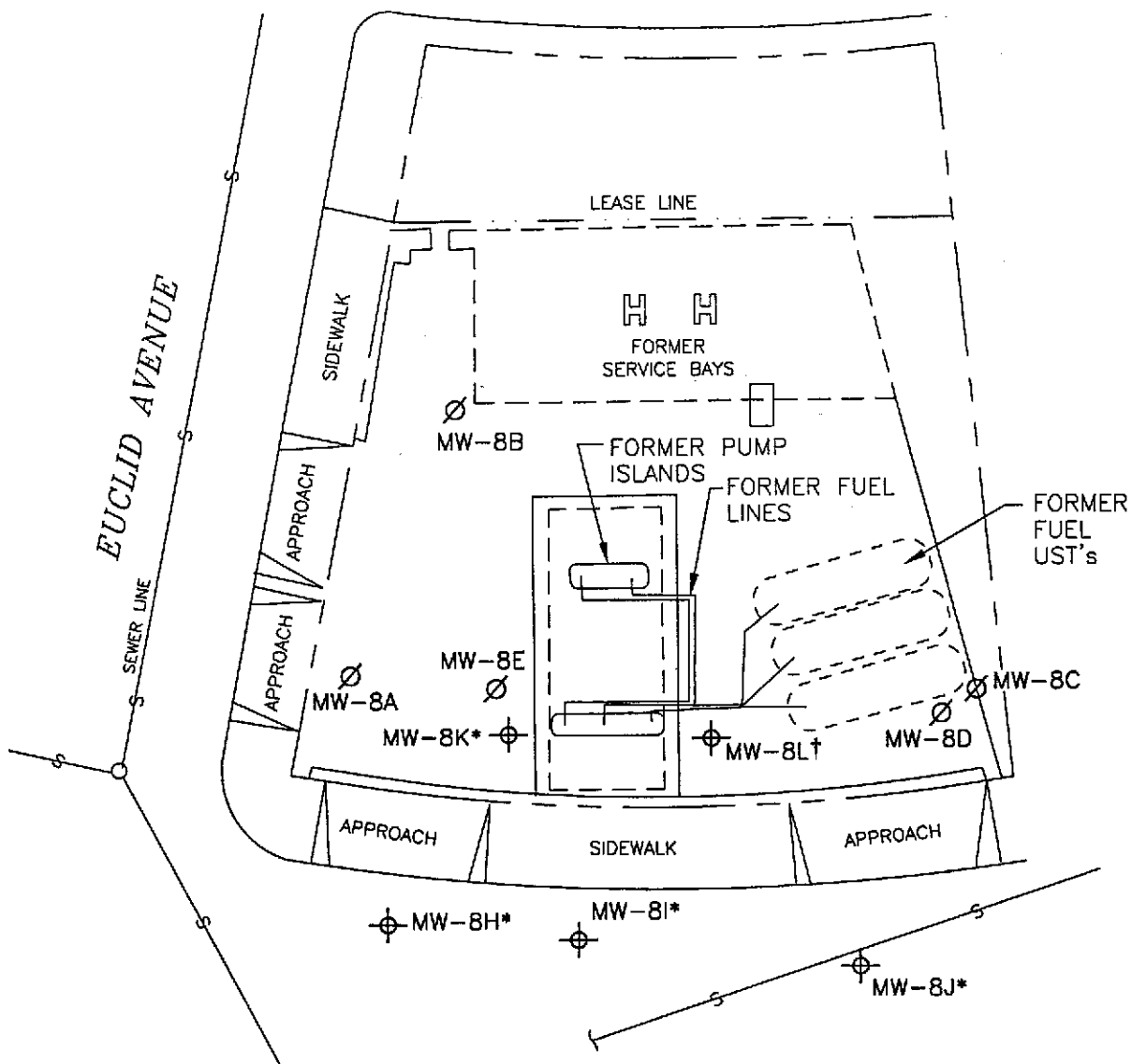
Table 1
Ground-water Analytical Data (First Quarter 1999)
TRPH

Former Texaco Service Station
500 Grand Avenue at Euclid Avenue
Oakland, California

Well Number	Date Sampled	TRPH (ppb)
MW-8F	02/16/99	<1,000
MW-8G	02/16/99	<1,000
TRPH	= Total recoverable petroleum hydrocarbons (quantified as oil and grease)	
ppb	= Parts per billion	
<	= Less than laboratory detection limit stated to the right	



BARK STREET



LEGEND

- ⊕ GROUND-WATER MONITORING WELL
- ∅ ABANDONED GROUND-WATER MONITORING WELL

<50 / <0.5 / 230 / <2.0 TPH/BENZENE/TEPH/MtBE
CONCENTRATION IN GROUND WATER,
IN PARTS PER BILLION, 02-16-99

(5.26) GROUND-WATER ELEVATION
IN FEET-MSL, 02-16-99

* WELL SAMPLED ANNUALLY

† REMOVED FROM GAUGING AND
SAMPLING PROGRAM

<50 / <0.5 / 230 / <2.0

⊕ MW-8F
(5.26)

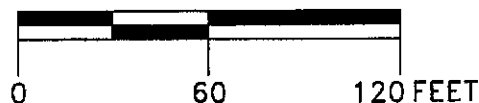
<50 / <0.5 / 270 / <2.0

⊕ MW-8G
(4.69)

LAKE MERRIT PARK

GRAND AVENUE

SCALE



Jun 18, 1999 - 10:40:17 J:\Drawings\340\414\GWM_02-99_FIG2.dwg



PACIFIC
ENVIRONMENTAL
GROUP, INC.

TITLE: GROUND-WATER MONITORING MAP-
FIRST QUARTER 1999

PREPARED FOR:
FORMER TEXACO SERVICE STATION
500 Grand Avenue at Euclid Avenue
Oakland, California

FIGURE:
2

DATE:
5/31/99
PROJECT:
340-414.9C

ATTACHMENT A
GROUNDWATER MONITORING REPORT
FOURTH QUARTER 1998

BLAINE
TECH SERVICES INC.



1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

December 30, 1998

**Groundwater Monitoring and Sampling
Fourth 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 November 5, 1998, at the site referenced above. Table 1 lists historical groundwater monitoring data and analytical results. The certified analytical report, chain-of-custody, and field data sheets are in the Appendix. Equilon Enterprises LLC's Standard Operating Procedures may be found in the first quarter, 1995 monitoring report.

A handwritten signature in cursive script, appearing to read 'Deidre Kerwin for'.

Deidre Kerwin
Operations Manager
Blaine Tech Services, Inc.

DK:ck

GROUND WATER CHEMICAL ANALYTICAL DATA
Texaco Branded Service Station
500 Grand Ave.
Oakland, CA

Sample	Measured GW Depth	GW Elevation	SP	TPPH	B	T	E	X	MTBE EPA 8020	MTBE EPA 8260	TEPH	TPH as Other*	Comments
Date	(ft)	(ft)		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ppm)	(ppm)	

MW-8A													Well properly abandoned
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MW-8B													Well properly abandoned
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MW-8C													Well properly abandoned
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MW-8D													Well properly abandoned
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MW-8E													Well properly abandoned
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MW-8F		Top of Casing Elevation in feet: 97.94											
23-Jan-92	10.24	87.70	0.00	<50	4.0	1.3	<0.5	1.9	NA	NA	1.3	NA	
28-Feb-92	9.93	88.01	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
26-Mar-92	8.78	89.16	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
30-Apr-92	9.36	88.58	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<500	
28-Sep-92	11.83	86.11	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	
19-Nov-92	11.22	86.72	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	
12-Feb-93	9.66	88.28	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	NA	
06-May-93	8.83	89.11	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.1	<50	
		Top of Casing Elevation in feet: 14.04											
16-Aug-93	10.16	3.88	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<50	*
12-Oct-93	10.60	3.44	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<50	
03-Feb-94	9.29	4.75	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<50	
31-May-94	9.34	4.70	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	0.53	
25-Aug-94	10.14	3.90	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	1.4	
02-Nov-94	10.42	3.62	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	0.52	<5	
31-Jan-95	7.47	6.57	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	0.29	<5	
18-May-95	8.00	6.04	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	0.054	<5	
29-Aug-95	8.08	5.96	0.00	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	0.083	<5	

GROUND WATER CHEMICAL ANALYTICAL DATA
Texaco Branded Service Station
500 Grand Ave.
Oakland, CA

Sample Date	Measured GW Depth (ft)	GW Elevation (ft)	SP	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE EPA 8020 (ug/L)	MTBE EPA 8260 (ug/L)	TEPH (ppm)	TPH as Other* (ppm)	Comments
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02-Nov-95	8.70	5.34	0.00	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	0.051	<5	
05-Feb-96	7.16	6.88	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	0.89	
30-Apr-96	7.25	6.79	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	0.062	<.005	
28-Aug-96	8.72	5.32	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<5	
05-Dec-96	8.16	5.88	0.00	210	17	17	11	46	<30	NA	0.11	<5	
21-Feb-97	5.53	8.51	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	0.085	<5	
02-May-97	7.85	6.19	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	0.81	
30-Jul-97	8.87	5.17	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	0.093	<0.5	
05-Nov-97	9.16	4.88	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	0.14	<0.5	
21-Jan-98	8.56	5.48	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	<0.05	NA+	
03-Jun-98	8.30	5.74	0.00	<50	<0.5	<0.5	<0.5	<0.5	2.9	NA	0.73	<5.0	
04-Aug-98	10.67	3.37	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	0.21	<5.0	
05-Nov-98	8.72	5.32	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	0.21	<1.0	

MW-8G	Top of Casing Elevation in feet: 97.24												
23-Jan-92	11.30	85.94	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	0.98	NA	**
28-Feb-92	10.83	86.41	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
26-Mar-92	9.20	88.04	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
30-Apr-92	9.00	88.24	0.00	<50	1.7	<0.5	<0.5	<0.5	NA	NA	<0.05	<500	
28-Sep-92	13.32	83.92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Dry
19-Nov-92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
12-Feb-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
06-May-93	11.18	86.06	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	0.06	<250	
	Top of Casing Elevation in feet: 13.32												
16-Aug-93	9.51	3.81	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<50	*
12-Oct-93	10.93	2.39	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<50	
03-Feb-94	9.69	3.63	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<50	
31-May-94	9.24	4.08	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<0.2	
25-Aug-94	9.74	3.58	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	0.86	
02-Nov-94	10.08	3.24	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	0.53	<5	

GROUND WATER CHEMICAL ANALYTICAL DATA

Texaco Branded Service Station

500 Grand Ave.

Oakland, CA

Sample Date	Measured GW Depth (ft)	GW Elevation (ft)	SP	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE EPA 8020 (ug/L)	MTBE EPA 8260 (ug/L)	TEPH (ppm)	TPH as Other* (ppm)	Comments
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31-Jan-95	5.75	7.57	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<5	
18-May-95	6.60	6.72	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<5	
29-Aug-95	8.14	5.18	0.00	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	0.12	<5	
02-Nov-95	9.16	4.16	0.00	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	0.14	<5	
05-Feb-96	7.18	6.14	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	0.51	
30-Apr-96	7.00	6.32	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<.005	
28-Aug-96	8.94	4.38	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<5	
05-Dec-96	9.22	4.10	0.00	190	16	16	9.0	39	<30	NA	0.057	<5	
21-Feb-97	6.11	7.21	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	0.054	<5	
02-May-97	7.54	5.78	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<5	
30-Jul-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
05-Nov-97	9.65	3.67	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	<0.05	<0.5	
05-Nov-97	NA	NA	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	<0.05	<0.5	
21-Jan-98	7.57	5.75	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	<0.05	NA+	
03-Jun-98	9.37	3.95	0.00	<50	<0.5	<0.5	<0.5	<0.5	4.0	NA	0.57	<5.0	
04-Aug-98	9.89	3.43	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	0.20	<5.0	
05-Nov-98	10.81	2.51	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	0.17	<1.0	

MW-8H	Top of Casing Elevation in feet: 98.90												
23-Jan-92	3.74	95.16	0.00	110	7.2	1.2	4.7	3.2	NA	NA	<0.06	NA	
28-Feb-92	4.44	94.46	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
26-Mar-92	4.21	94.69	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
30-Apr-92	3.46	95.44	0.00	190	11	1.5	5.6	3.6	NA	NA	0.09	<500	
28-Sep-92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
19-Nov-92	3.75	95.15	0.00	130	6.8	<0.5	1.1	1.5	NA	NA	NA	NA	
12-Feb-93	4.12	94.78	0.00	73	5.9	<0.5	0.8	<0.5	NA	NA	NA	NA	
06-May-93	3.85	95.05	0.00	57	1.7	<0.5	<0.5	<0.5	NA	NA	<0.1	<50	
	Top of Casing Elevation in feet: 15.04												
16-Aug-93	3.88	11.16	0.00	<50	0.5	<0.5	0.5	1.4	NA	NA	<0.05	<50	*
12-Oct-93	3.80	11.24	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<50	

GROUND WATER CHEMICAL ANALYTICAL DATA

Texaco Branded Service Station

500 Grand Ave.

Oakland, CA

Sample	Measured GW Depth	GW Elevation	SP	TPPH	B	T	E	X	MTBE EPA 8020	MTBE EPA 8260	TEPH	TPH as Other*	Comments
Date	(ft)	(ft)		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ppm)	(ppm)	

03-Feb-94	3.71	11.33	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<50	
31-May-94	3.80	11.24	0.00	<50	0.79	<0.5	<0.5	<0.5	NA	NA	<0.05	1.6	
25-Aug-94	3.89	11.15	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	4.0	
02-Nov-94	3.64	11.40	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	0.76	<5	
31-Jan-95	3.58	11.46	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	0.19	<5	
18-May-95	3.53	11.51	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	0.37	6.6	
29-Aug-95	3.55	11.49	0.00	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	1.0	<5	
02-Nov-95	3.49	11.55	0.00	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	<0.05	5.8	
05-Feb-96	3.54	11.50	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	0.19	2.3	
30-Apr-96	3.50	11.54	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	1.80	0.0087	
28-Aug-96	3.62	11.42	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	7.7	
05-Dec-96	3.38	11.66	0.00	100	6.2	7.3	5.0	22	<30	NA	0.35	<5	
21-Feb-97	3.77	11.27	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	0.90	<13	
02-May-97	3.64	11.40	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	0.45	<5	
30-Jul-97	3.65	11.39	0.00	<50	<0.5	0.62	<0.5	<0.5	<30	NA	0.18	13	
05-Nov-97	3.61	11.43	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	0.28	4.1	
21-Jan-98	3.57	11.47	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	<0.05	4.7	
03-Jun-98	3.50	11.54	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	0.44	11	
04-Aug-98	3.64	11.40	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	0.30	9.6	
05-Nov-98	3.21	11.83	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	0.23	<10	

MW-81	Top of Casing Elevation in feet: 98.27												
23-Jan-92	6.33	91.94	0.00	820	420	7	27	20	NA	NA	0.21	NA	
28-Feb-92	6.55	91.72	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
26-Mar-92	6.45	91.82	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
30-Apr-92	6.48	91.79	0.00	2,200	1,800	19	180	25	NA	NA	0.43	<500	
28-Sep-92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
19-Nov-92	6.37	91.90	0.00	720	120	1.1	29	13	NA	NA	NA	NA	
12-Feb-93	6.44	91.83	0.00	4,000	970	9.2	52	36	NA	NA	NA	NA	
06-May-93	6.36	91.91	0.00	1,400	370	2.4	40	8.4	NA	NA	<0.01	<50	

GROUND WATER CHEMICAL ANALYTICAL DATA

Texaco Branded Service Station

500 Grand Ave.

Oakland, CA

Sample	Measured GW Depth	GW Elevation	SP	TPPH	B	T	E	X	MTBE	MTBE	TEPH	TPH as	Comments
Date	(ft)	(ft)		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	EPA 8020 (ug/L)	EPA 8260 (ug/L)	(ppm)	Other* (ppm)	

		Top of Casing Elevation in feet: 14.40											
16-Aug-93	6.35	8.05	0.00	<50	3.1	<0.5	6	<0.5	NA	NA	<0.05	<50	*
12-Oct-93	5.99	8.41	0.00	<50	1.4	<0.5	<0.5	<0.5	NA	NA	<0.05	<50	
03-Feb-94	5.84	8.56	0.00	1,000	270	3.2	51	14	NA	NA	<0.05	<50	
31-May-94	6.25	8.15	0.00	1,400	330	4.6	52	16	NA	NA	<0.05	0.33	
25-Aug-94	6.31	8.09	0.00	540	14	0.58	30	4.3	NA	NA	<0.05	0.73	
02-Nov-94	6.10	8.30	0.00	310	5.7	0.74	20	<0.5	NA	NA	0.37	<5	
31-Jan-95	5.83	8.57	0.00	840	290	4.5	45	1.6	NA	NA	0.91	<5	
18-May-95	6.09	8.31	0.00	1,700	390	7.8	80	10	NA	NA	1.1	<5	
29-Aug-95	6.09	8.31	0.00	300	81	<0.5	13	0.63	<10	NA	0.56	<5	
02-Nov-95	6.26	8.14	0.00	81	<0.5	4.1	1.5	<0.5	<10	NA	0.16	<5	
05-Feb-96	5.97	8.43	0.00	300	75	0.75	8.4	1.2	NA	NA	0.14	<0.5	
30-Apr-96	6.04	8.36	0.00	350	150	0.77	3.2	1.3	NA	NA	<0.05	<0.05	
28-Aug-96	6.20	8.20	0.00	1100	300	2.9	3.2	2.1	NA	NA	0.38	<5	
05-Dec-96	6.01	8.39	0.00	340	23	8.7	11	26	<30	NA	0.053	<5	
21-Feb-97	6.15	8.25	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	0.33	<5	
02-May-97	6.20	8.20	0.00	110	39	<0.5	0.92	<0.5	NA	NA	<0.05	<5	
30-Jul-97	6.12	8.28	0.00	<50	4.2	<0.5	<0.5	<0.5	<30	NA	0.17	1.2	
05-Nov-97	6.26	8.14	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	<0.05	<0.5	
21-Jan-98	6.00	8.40	0.00	<50	1.5	<0.5	<0.5	<0.5	<30	NA	<0.05	0.76	
03-Jun-98	6.74	7.66	0.00	<50	<0.5	<0.5	<0.5	<0.5	1.5	NA	0.36	<5.0	
04-Aug-98	6.16	8.24	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	0.083	<5.0	
05-Nov-98	6.14	8.23	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	0.067	2.1	

MW-8J		Top of Casing Elevation in feet: 97.69											
23-Jan-92	6.31	91.38	0.00	<50	1	<0.5	<0.5	<0.5	NA	NA	<0.05	NA	
28-Feb-92	6.28	91.41	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
26-Mar-92	6.20	91.49	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
30-Apr-92	6.48	91.21	0.00	<50	2	<0.5	<0.5	<0.5	NA	NA	<0.05	<500	
28-Sep-92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible

GROUND WATER CHEMICAL ANALYTICAL DATA

Texaco Branded Service Station

500 Grand Ave.

Oakland, CA

Sample Date	Measured GW Depth (ft)	GW Elevation (ft)	SP	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE EPA 8020 (ug/L)	MTBE EPA 8260 (ug/L)	TEPH (ppm)	TPH as Other* (ppm)	Comments
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19-Nov-92	6.55	91.14	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	
12-Feb-93	7.46	90.23	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	
06-May-93	6.21	91.48	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.01	<50	
Top of Casing Elevation in feet: 13.82													
16-Aug-93	6.29	7.53	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<50	
12-Oct-93	5.87	7.95	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<50	
03-Feb-94	5.98	7.84	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<50	
31-May-94	6.10	7.72	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<0.2	
25-Aug-94	6.01	7.81	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	1.0	
02-Nov-94	5.90	7.92	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<5	
31-Jan-95	5.07	8.75	0.00	<50	3.7	<0.5	<0.5	<0.5	NA	NA	<0.05	<5	
18-May-95	5.33	8.49	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<5	
29-Aug-95	3.50	10.32	0.00	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	0.25	<5	
02-Nov-95	5.94	7.88	0.00	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	0.52	<5	
05-Feb-96	5.34	8.48	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	0.065	1.0	
30-Apr-96	5.96	7.86	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<0.005	
28-Aug-96	6.38	7.44	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<5	
05-Dec-96	5.94	7.88	0.00	160	13	14	8.9	38	<30	NA	<0.05	<5	
21-Feb-97	5.60	8.22	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	<0.05	<5	
02-May-97	6.22	7.60	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<5	
30-Jul-97	6.28	7.54	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	<0.05	<0.5	
05-Nov-97	6.03	7.79	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	<0.05	<0.5	
21-Jan-98	5.71	8.11	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	<0.05	0.34	
03-Jun-98	5.45	8.37	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5.0	
04-Aug-98	5.93	7.89	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	<0.05	<5.0	
05-Nov-98	6.05	7.77	0.00	<50	2.0	<0.5	<0.5	<0.5	<2.5	NA	<0.05	<1.0	

MW-8K	Top of Casing Elevation in feet: 15.18												
21-May-93	NA	NA	0.00	54	12	<0.5	<0.5	<0.5	NA	NA	<0.05	<50	
16-Aug-93	2.08	13.10	0.00	<50	<0.5	<0.5	1.0	<0.5	NA	NA	<0.05	<50	

GROUND WATER CHEMICAL ANALYTICAL DATA

Texaco Branded Service Station

500 Grand Ave.

Oakland, CA

Sample Date	Measured GW Depth (ft)	GW Elevation (ft)	SP	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE EPA 8020 (ug/L)	MTBE EPA 8260 (ug/L)	TEPH (ppm)	TPH as Other* (ppm)	Comments
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12-Oct-93	1.95	13.23	0.00	<50	4.2	<0.5	<0.5	<0.5	NA	NA	<0.05	<50	
03-Jan-94	1.48	13.70	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<50	
31-May-94	1.59	13.59	0.00	<50	1.0	0.57	<0.5	<0.5	NA	NA	<0.05	<0.2	
25-Aug-94	2.00	13.18	0.00	<50	0.78	<0.5	<0.5	<0.5	NA	NA	<0.05	0.98	
02-Nov-94	2.10	13.08	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<5	
31-Jan-95	1.35	13.83	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<5	
18-Aug-95	1.36	13.82	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<5	
29-Aug-95	1.55	13.63	0.00	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	0.16	<5	
02-Nov-95	1.88	13.30	0.00	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	<0.05	<5	
05-Feb-96	1.46	13.72	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<0.5	
30-Apr-96	1.43	13.75	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<.005	
28-Aug-96	1.75	13.43	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<5	
05-Dec-96	1.42	13.76	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	<0.05	<5	
21-Feb-97	1.49	13.69	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	<0.05	<5	
02-May-97	1.60	13.58	0.00	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.05	<5	
30-Jul-97	1.66	13.52	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	<0.05	<0.5	
05-Nov-97	1.62	13.56	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	0.30	<0.5	
21-Jan-98	1.29	13.89	0.00	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	<0.05	0.12	
03-Jun-98	1.17	14.01	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.05	<5.0	
04-Aug-98	1.21	13.97	0.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	<0.05	<5.0	
05-Nov-98	2.30	12.88	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	<0.05	<10	

MW-8L	Top of Casing Elevation in feet: 14.44												
21-May-93	NA	NA	0.00	76	1.1	<0.5	<0.5	6	NA	NA	<0.05	<50	
16-Aug-93	2.47	11.97	0.00	<50	<0.5	<0.5	0.7	1.1	NA	NA	<0.05	<50	
12-Oct-93	2.36	12.08	0.00	110	13	<0.5	6	<0.5	NA	NA	<0.05	<50	
03-Jan-94	2.82	11.62	0.00	590	61	2.4	<0.5	110	NA	NA	<0.05	<50	
31-May-94	2.66	11.78	0.00	410	77	<0.5	20	1.1	NA	NA	<0.05	<0.2	
25-Aug-94	2.34	12.10	0.00	260	16	<0.5	2.5	<0.5	NA	NA	<0.05	1.1	
02-Nov-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible

GROUND WATER CHEMICAL ANALYTICAL DATA
Texaco Branded Service Station
500 Grand Ave.
Oakland, CA

Sample Date	Measured GW Depth (ft)	GW Elevation (ft)	SP	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE EPA 8020 (ug/L)	MTBE EPA 8260 (ug/L)	TEPH (ppm)	TPH as Other* (ppm)	Comments
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31-Jan-95	0.08	14.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
18-Aug-95	0.42	14.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
29-Aug-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
02-Nov-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
05-Feb-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
30-Apr-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
28-Aug-96	0.75	13.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
05-Dec-96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
21-Feb-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
02-May-97	0.60	13.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
30-Jul-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Well Inaccessible
05-Nov-97	0.67	13.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Not Sampled
21-Jan-98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No Longer Sampled

Abbreviations:

TPPH = Total Purgeable Petroleum Hydrocarbons carbon range C6 to C12 by EPA Method 8015 (Modified)
 (previously reported as Total Petroleum Hydrocarbons as Gasoline)

BTEX = benzene, toluene, ethylbenzene, and xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether

TEPH = Total Extractable Petroleum Hydrocarbons

NA = Not analyzed or not available

<x = Not detected at laboratory detection limit x

SP = Separate Phase hydrocarbon

+ = 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.



Sequoia Analytical

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Deidre Kerwin

Project: Texaco 500 Grand Ave.

Enclosed are the results from samples received at Sequoia Analytical on November 6, 1998.
The requested analyses are listed below:

<u>SAMPLE #</u>	<u>SAMPLE DESCRIPTION</u>	<u>DATE COLLECTED</u>	<u>TEST METHOD</u>
9811533 -01	LIQUID, MW8F	11/05/98	TRPH (EPA 418.1)
9811533 -01	LIQUID, MW8F	11/05/98	TPHD_W Extractable TPH
9811533 -01	LIQUID, MW8F	11/05/98	Purgeable TPH/BTEX/MTBE
9811533 -02	LIQUID, MW8G	11/05/98	TRPH (EPA 418.1)
9811533 -02	LIQUID, MW8G	11/05/98	TPHD_W Extractable TPH
9811533 -02	LIQUID, MW8G	11/05/98	Purgeable TPH/BTEX/MTBE
9811533 -03	LIQUID, MW8H	11/05/98	TRPH (EPA 418.1)
9811533 -03	LIQUID, MW8H	11/05/98	TPHD_W Extractable TPH
9811533 -03	LIQUID, MW8H	11/05/98	Purgeable TPH/BTEX/MTBE
9811533 -04	LIQUID, MW8I	11/05/98	TRPH (EPA 418.1)
9811533 -04	LIQUID, MW8I	11/05/98	TPHD_W Extractable TPH
9811533 -04	LIQUID, MW8I	11/05/98	Purgeable TPH/BTEX/MTBE
9811533 -05	LIQUID, MW8J	11/05/98	TRPH (EPA 418.1)
9811533 -05	LIQUID, MW8J	11/05/98	TPHD_W Extractable TPH
9811533 -05	LIQUID, MW8J	11/05/98	Purgeable TPH/BTEX/MTBE
9811533 -06	LIQUID, MW8K	11/05/98	TRPH (EPA 418.1)
9811533 -06	LIQUID, MW8K	11/05/98	TPHD_W Extractable TPH
9811533 -06	LIQUID, MW8K	11/05/98	Purgeable TPH/BTEX/MTBE





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Blaine Tech Services	Client Proj. ID: Texaco 500 Grand Ave.	Received: 11/06/98
1680 Rogers Avenue		
San Jose, CA 95112	Lab Proj. ID: 9811533	Reported: 11/21/98
Attention: Deidre Kerwin		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 27 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





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Texaco 500 Grand Ave. Lab Proj. ID: 9811533	Sampled: 11/05/98 Received: 11/06/98 Analyzed: see below Reported: 12/28/98
Attention: Deidre Kerwin		

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9811533-01 Sample Desc: LIQUID,MW8F				
TRPH (EPA 418.1)	mg/L	11/13/98	1.0	N.D.
Lab No: 9811533-02 Sample Desc: LIQUID,MW8G				
TRPH (EPA 418.1)	mg/L	11/13/98	1.0	N.D.
Lab No: 9811533-03 Sample Desc: LIQUID,MW8H				
TRPH (EPA 418.1)	mg/L	11/13/98	1.0	N.D.
Lab No: 9811533-04 Sample Desc: LIQUID,MW8I				
TRPH (EPA 418.1)	mg/L	11/13/98	1.0	2.1
Lab No: 9811533-05 Sample Desc: LIQUID,MW8J				
TRPH (EPA 418.1)	mg/L	11/13/98	1.0	N.D.
Lab No: 9811533-06 Sample Desc: LIQUID,MW8K				
TRPH (EPA 418.1)	mg/L	11/13/98	1.0	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: MW8F Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9811533-01	Sampled: 11/05/98 Received: 11/06/98 Extracted: 11/19/98 Analyzed: 11/20/98 Reported: 12/28/98
------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------

QC Batch Number: GC1119980HBPEXB
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	210 C9-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 105

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: Deidre Kerwin	Client Proj. ID: Texaco 500 Grand Ave. Sample Descript: MW8F Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9811533-01	Sampled: 11/05/98 Received: 11/06/98 Analyzed: 11/16/98 Reported: 12/28/98
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Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	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	103

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Renner
Project Manager





Sequoia Analytical

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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: MW8G Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9811533-02	Sampled: 11/05/98 Received: 11/06/98 Extracted: 11/17/98 Analyzed: 11/19/98 Reported: 12/28/98
------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------

QC Batch Number: GC1117980HBPEXZ
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	170 C9-C24
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	90

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: Deidre Kerwin	Client Proj. ID: Texaco 500 Grand Ave. Sample Descript: MW8G Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9811533-02	Sampled: 11/05/98 Received: 11/06/98 Analyzed: 11/13/98 Reported: 12/28/98
----------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	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	96

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: MW8H Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9811533-03	Sampled: 11/05/98 Received: 11/06/98 Extracted: 11/16/98 Analyzed: 11/18/98 Reported: 12/28/98
------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------

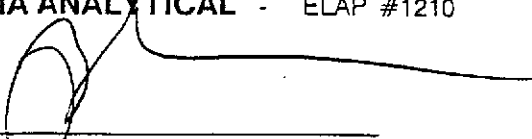
QC Batch Number: GC1116980HBPEXY
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern: Unidentified HC	50	230 C9-C24
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	110

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

SEQUOIA ANALYTICAL - ELAP #1210



Peggy Penner
Project Manager





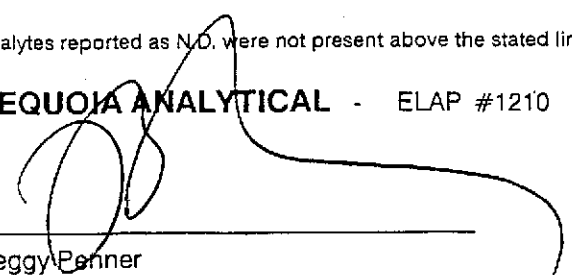
Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Texaco 500 Grand Ave. Sample Descript: MW8H Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9811533-03	Sampled: 11/05/98 Received: 11/06/98 Analyzed: 11/13/98 Reported: 12/28/98
Attention: Deidre Kerwin		

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	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	101

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: MW8l Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9811533-04	Sampled: 11/05/98 Received: 11/06/98 Extracted: 11/16/98 Analyzed: 11/18/98 Reported: 12/28/98
Attention: Deidre Kerwin		


QC Batch Number: GC1116980HBPEXY
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern: Unidentified HC	50	67
		C9-C24
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	103

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

SEQUOIA ANALYTICAL - ELAP #1210



Peggy Penner
Project Manager





**Sequoia
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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Deidre Kerwin

Client Proj. ID: Texaco 500 Grand Ave.
Sample Descript: MW8I
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9811533-04

Sampled: 11/05/98
Received: 11/06/98

Analyzed: 11/13/98
Reported: 12/28/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	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	103

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





**Sequoia
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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 8015 Mod Lab Number: 9811533-05	Sampled: 11/05/98 Received: 11/06/98 Extracted: 11/17/98 Analyzed: 11/19/98 Reported: 12/28/98
Attention: Deidre Kerwin		

QC Batch Number: GC1117980HBPEXZ
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 n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 88

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Perner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Attention: Deidre Kerwin	Client Proj. ID: Texaco 500 Grand Ave. Sample Descript: MW8J Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9811533-05	Sampled: 11/05/98 Received: 11/06/98 Analyzed: 11/13/98 Reported: 12/28/98
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Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	2.0
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	103

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: 9811533-06	Sampled: 11/05/98 Received: 11/06/98 Extracted: 11/17/98 Analyzed: 11/19/98 Reported: 12/28/98
Attention: Deidre Kerwin		

QC Batch Number: GC1117980HBPEXZ
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	85

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: Deidre Kerwin

Client Proj. ID: Texaco 500 Grand Ave.
Sample Descript: MW8K
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9811533-06

Sampled: 11/05/98
Received: 11/06/98
Analyzed: 11/16/98
Reported: 12/28/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	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	102

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Fenner
Project Manager





Blaine Tech Services
1680 Rogers Ave.
San Jose, CA 95112
Attention: Deidre Kerwin

Client Project ID: Texaco 500 Grand Ave

QC Sample Group: 9811533-01

Reported: Nov 21, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8015A
Analyst: G.WARDLE

ANALYTE Diesel

QC Batch #: GC1119980HBPEXB

Sample No.: 9811533-1
Date Prepared: 11/19/98
Date Analyzed: 11/19/98
Instrument I.D.#: GCHP5B

Sample Conc., ug/L: 210
Conc. Spiked, ug/L: 1000

Matrix Spike, ug/L: 950
% Recovery: 74

Matrix
pike Duplicate, ug/L: 910
% Recovery: 70

Relative % Difference: 5.6

RPD Control Limits: 0-50

LCS Batch#: BLK111998BS

Date Prepared: 11/19/98
Date Analyzed: 11/19/98
Instrument I.D.#: GCHP5B

Conc. Spiked, ug/L: 1000

Recovery, ug/L: 750
LCS % Recovery: 75

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

Reggy 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.





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Blaine Tech Services
1680 Rogers Ave.
San Jose, CA 95112
Attention: Deidre Kerwin

Client Project ID: Texaco 500 Grand Ave

QC Sample Group: 9811533-02, -05-06

Reported: Nov 21, 1998

QUALITY CONTROL DATA REPORT

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

ANALYTE Diesel

QC Batch #: GC1117980HBPEXZ

LCS ID: BLK111798ZS/ZSD

Date Prepared: 11/17/98
Date Analyzed: 11/18/98
Instrument I.D.#: GCHP4A

Conc. Spiked, ug/L: 1000

Blank Spike, ug/L: 880
% Recovery: 88

Blank
pike Duplicate, ug/L: 950
% Recovery: 95

relative % Difference: 7.7

% 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 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.





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FAX (707) 792-0342

Blaine Tech Services 1680 Rogers Ave. San Jose, CA 95112 Attention: Deidre Kerwin	Client Project ID: Texaco 500 Grand Ave QC Sample Group: 9811533-03-04	Reported: Nov 21, 1998
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QUALITY CONTROL DATA REPORT

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

QC Batch #: GC1116980HBPEXY

Sample No.: 9811533-04

Date Prepared: 11/16/98

Date Analyzed: 11/18/98

Instrument I.D.#: GCHP5A

Sample Conc., ug/L: 67
Conc. Spiked, ug/L: 1000

Matrix Spike, ug/L: 910
% Recovery: 84

Matrix
pike Duplicate, ug/L: 440
% Recovery: 37

Relative % Difference: 78

RPD Control Limits: 0-50

LCS Batch#: BLK111698YS

Date Prepared: 11/16/98

Date Analyzed: 11/18/98

Instrument I.D.#: GCHP5A

Conc. Spiked, ug/L: 1000

Recovery, ug/L: 960
LCS % Recovery: 96

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

Reggy Fenner
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.





Blaine Tech Services
1680 Rogers Ave.
San Jose, CA 95112
Attention: Deidre Kerwin

Client Project ID: Texaco 500 Grand Ave

QC Sample Group: 9811533-01-06

Reported: Nov 21, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 418.1
Analyst: ANDERSON

ANALYTE TRPH

QC Batch #: IN11298418100B

Sample No.: LCS110998
Date Prepared: 11/9/98
Date Analyzed: 11/10/98

Sample Conc., mg/L: N.D.
Conc. Spiked, mg/L: 4.0

Matrix Spike, mg/L: 3.7
% Recovery: 92

**Matrix
pike Duplicate, mg/L:** 4.0
% Recovery: 100.0

relative % Difference: 8.3

RPD Control Limits: 0-20

LCS Batch#: LCS111298

Date Prepared: 11/12/98
Date Analyzed: 11/13/98

Conc. Spiked, mg/L: 4.0

LCS Recovery, mg/L: 4.2
LCS % Recovery: 105

Percent Recovery Control Limits:

LCS/LCSD 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.





Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Deidre Kerwin

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

Work Order #: 9811533 -02-05

Reported: Dec 2, 1998

QUALITY CONTROL DATA REPORT

Analyte: Gasoline
QC Batch#: 8110212
Analy. Method: EPA 8015M/8020M
Prep. Method: EPA 5030

Analyst:
MS/MSD #: P811063-01
Sample Conc.: N.D.
Prepared Date: 11/13/98
Analyzed Date: 11/13/98
Instrument I.D.#:
Conc. Spiked: 1000 µg/L

Result: 1110
MS % Recovery: 111

Dup. Result: 1070
MSD % Recov.: 107

RPD: 3.67
RPD Limit: 0-12

LCS #: LCS111398
Prepared Date: 11/13/98
Analyzed Date: 11/13/98
Instrument I.D.#:
Conc. Spiked: 1000 µg/L

LCS Result: 1060
LCS % Recov.: 106

MS/MSD 53-146
LCS 79-127
Control Limits

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

9811533.BLA <1>



SEQUOIA ANALYTICAL
Elap #2245

Peggy Penner
Project Manager



Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Deidre Kerwin

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

Work Order #: 9811533-01, 06

Reported: Dec 2, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	8110245	8110245	8110245	8110245
Analy. Method:	EPA 8015M/8020M	EPA 8015M/8020M	EPA 8015M/8020M	EPA 8015M/8020M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	-	-	-	-
MS/MSD #:	P811138-01	P811138-01	P811138-01	P811138-01
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/16/98	11/16/98	11/16/98	11/16/98
Analyzed Date:	11/16/98	11/16/98	11/16/98	11/16/98
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	100 µg/L	100 µg/L	100 µg/L	300 µg/L
Result:	98.1	96	96.9	298
MS % Recovery:	98.1	96	96.9	99.3
Dup. Result:	95	92.7	93.8	289
MSD % Recov.:	95	92.7	93.8	96.3
RPD:	3.21	3.5	3.25	3.07
RPD Limit:	0-5	0-6	0-4	0-5

LCS #:	LCS111698	LCS111698	LCS111698	LCS111698
Prepared Date:	11/16/98	11/16/98	11/16/98	11/16/98
Analyzed Date:	11/16/98	11/16/98	11/16/98	11/16/98
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	100 µg/L	100 µg/L	100 µg/L	300 µg/L
LCS Result:	104	101	100	307
LCS % Recov.:	104	101	100	102

MS/MSD	82-119	80-117	66-125	73-119
LCS	84-116	81-117	79-115	80-114
Control Limits				

SEQUOIA ANALYTICAL
Elap #2245

Peggy Penner
Project Manager

Please Note:

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

9811533.BLA <2>





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Deidre Kerwin

Client Proj. ID: Texaco 500 Grand Ave.

Received: 11/06/98

Lab Proj. ID: 9811533

Reported: 12/28/98

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.).

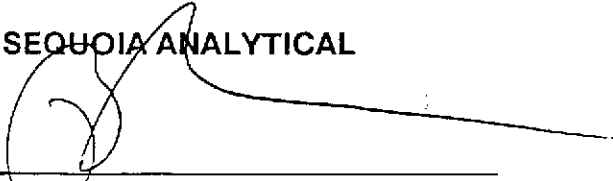
Report Note:

Report revised and reissued from November 21, 1998 due to the correction of the sampling date on the report.

Report Note:

Report revised and reissued from December 28, 1998 due to the correction of the sampling date on the report.

SEQUOIA ANALYTICAL


Peggy Penner
Project Manager





SEQUOIA ANALYTICAL CHAIN OF CUSTODY

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Company Name: TRMI EH&S		Project Name: 981105 Y1	
Address: Texaco Loc. #624880235, 500 Grand Ave.,		Billing Address (if different): 108 Cutting Boulevard	
City: Oakland	State: CA	Zip Code: Richmond, California 94804	
Telephone: (510) 236-3541		FAX #: (510) 237-7821	
Report To: Deidre Kerwin (BTS)		QC Data: <input type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A	
Sampler:		P# engineer: Karen Petryna	

Turnaround 10 Working Days 3 Working Days 2 - 8 Hours
 Time: 7 Working Days 2 Working Days
 5 Working Days 24 Hours

Analyses Requested
 Drinking Water
 Waste Water
 Other

9811533

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested					Comments	
						TPH-g/BTEX/MTOP	TPH Diesel	O&G/TRPH (418.1)	Nitrate	Sulfate		Total Sulfide
1. MW 8F	11/5 920		7		01	X	X	X				
2. MW 86	740				02	X	X	X				
3. MW 8H	700				03	X	X	X				
4. MW 8I	641				04	X	X	X				
5. MW 8J	630				05	X	X	X				
6. MW 8K	810				06	X	X	X				
7.												
8.												
9.												
10.												

Relinquished By: [Signature]	Date: 11/6/98	Time: 9:40	Received By: [Signature]	Date: 11.6.98	Time: 10:00
Relinquished By: [Signature]	Date: 11.6.98	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab: [Signature]	Date: 11/6/98	Time: 14:00

Pink - Client
Yellow - Sequoia
White - Sequoia

TEXACO WELL MONITORING DATA SHEET

Project #: 981105 41	Texaco ID#: 624 880235
Sampler: B. TAYLOR	Date: 11/5/98
Well I.D.: MW 8F	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 19.36	Depth to Water: 8.72
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: _____

4	x	3	=	12	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
714	68.4	7.0	1481	2200	4	
715	68.1	7.0	1527	100	8	
716	68.2	6.8	1508	40	12	

Did well dewater? Yes No Gallons actually evacuated: 11

Sampling Time: 720 Sampling Date: 11/5/98

Sample I.D.: MW 8F Laboratory: Sequoia

Analyzed for: Tph-G BTEX Tph-D Other: MTBE 086

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

TEXACO WELL MONITORING DATA SHEET

Project #: 981105 Y1	Texaco ID#: 624 880235
Sampler: B. TAYLOR	Date: 11/5/98
Well I.D.: MW 46	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 14.25	Depth to Water: 10.81
Depth to Free Product:	Thickness of Free Product:

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

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

Purge Method:

S.S. Bailer

Teflon Bailer

Middleburg

Electric Submersible

Extraction Pump

Other: _____

Sampling Method: S.S. Bailer

Teflon Bailer

Extraction Port

Other: _____

<u>22</u>	x	<u>3</u>	=	<u>6.6</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
731	69.4	7.1	1794	7200	2.5	
733	68.7	6.7	1803	7200	5.0	
735	68.6	6.6	1821	7200	7.0	

Did well dewater? Yes No

Gallons actually evacuated: 7.0

Sampling Time: 740

Sampling Date: 11/5/98

Sample I.D.: MW 46

Laboratory: Sequeira

Analyzed for: Tph-G BTEX Tph-D

Other: MTBR 046

Equipment Blank I.D.:

Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 98110 S Y1	Texaco ID#: 624880235
Sampler: B. T A-109	Date: 11/5/98
Well I.D.: MW 84	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 14.81	Depth to Water: 3.21
Depth to Free Product:	Thickness of Free Product:
All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.	

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

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

8	x	3	=	24	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
852	66.3	6.6	1792	7200	8	
853	67.5	6.8	1691	20	16	
854	68.2	6.8	1703	30	24	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 24
Sampling Time: 700	Sampling Date: 11/5/98
Sample I.D.: MW 84	Laboratory: Sequoia
Analyzed for: <u>Tph-G BTEX Tph-D</u>	Other: MTR 086
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 981105 Y2	Texaco ID#: 624880235
Sampler: B. TAYLOR	Date: 11/5/98
Well I.D.: MW 8I	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 14.49	Depth to Water: 6.14
Depth to Free Product:	Thickness of Free Product:
All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.	

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

Purge Method: S.S. Bailer Teflon Bailer Middleburg <u>Electric Submersible</u> Extraction Pump Other: _____	Sampling Method: <u>S.S. Bailer</u> Teflon Bailer Extraction Port Other: _____
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<u>9</u>	x	<u>3</u>	=	<u>18</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
837	66.3	7.1	1473	7200	6	
838	68.7	6.8	1792	60	12	
839	68.6	6.7	1561	10	18	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 18
Sampling Time: 841 641	Sampling Date: 11/5/98
Sample I.D.: MW 8I	Laboratory: Sequoia
Analyzed for: <u>Tph-G BTEX Tph-D</u>	Other: MTAE 0.96
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: <u>CB110S Y1</u>	Texaco ID#: <u>624880239</u>
Sampler: <u>B.T. AYLOE</u>	Date: <u>11/5/98</u>
Well I.D.: <u>MW 8J</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 <u> </u>
Total Well Depth: <u>14.67</u>	Depth to Water: <u>6.05</u>
Depth to Free Product: <u> </u>	Thickness of Free Product: <u> </u>
All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.	

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

Purge Method: <u>S.S. Bailer</u> <u>Teflon Bailer</u> <u>Middleburg</u> <u>Electric Submersible</u> <u>Extraction Pump</u> Other: <u> </u>	Sampling Method: <u>S.S. Bailer</u> <u>Teflon Bailer</u> <u>Extraction Port</u> Other: <u> </u>
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<u>6</u>	x	<u>3</u>	=	<u>18</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
<u>623</u>	<u>66.5</u>	<u>6.6</u>	<u>1637</u>	<u>60</u>	<u>6</u>	
<u>624</u>	<u>68.5</u>	<u>6.8</u>	<u>1581</u>	<u>40</u>	<u>12</u>	
<u>625</u>	<u>68.7</u>	<u>6.8</u>	<u>1576</u>	<u>40</u>	<u>18</u>	

Did well dewater? Yes <u>(No)</u>	Gallons actually evacuated: <u>18</u>
Sampling Time: <u>630</u>	Sampling Date: <u>11/5/98</u>
Sample I.D.: <u>MW 8J</u>	Laboratory: <u>Sequoia</u>
Analyzed for: <u>Tph-G BTEX -Tph-D</u>	Other: <u>MTBE OIL AWG -6RBASK</u>
Equipment Blank I.D.: <u> </u>	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 581405 Y1	Texaco ID#: 624880235
Sampler: B. TAYLOR	Date: 9/8/85 11/5/98
Well I.D.: MW 8 K	Well Diameter: (2) 3 4 6 8
Total Well Depth: 16.46	Depth to Water: 2.3
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: <u>S.S. Bailer</u> Teflon Bailer Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>S.S. Bailer</u> Teflon Bailer Extraction Port Other: _____
----------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------

<u>2.5</u>	x	<u>3</u>	=	<u>7.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
758	66.3	7.1	1429	340	3	
800	67.9	7.1	2138	1610	6	
802	67.6	7.0	2004	10	8	

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Gallons actually evacuated: 8
Sampling Time: 810	Sampling Date: 11/5/98
Sample I.D.: MW 8 K	Laboratory: <u>Sequoia</u>
Analyzed for: <u>Tph-G BTEX Tph-D</u>	Other: <u>MTBE & O&G</u>
Equipment Blank I.D.:	Analyzed for same as primary sample

**500 Grand Avenue
Oakland, California**

cc: Ms. Susan Hugo
Alameda County Environmental
Health Department
1131 Harbor Bay Pky.
Alameda, CA 94502-6577

Mr. Richard Hiett
CRWQCB - San Francisco Bay Region
2101 Webster St., Suite 500
Oakland, CA 94612

Mr. Keith Winemiller
Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110

WELL HEAD INSPECTION CHECKLIST AND REPAIR ORDER

Client TEX Site # _____

Inspection date: 11/5/98

Site address 500 GRAND AVE
OAKLAND CA

Inspected by: A. TAYLOR

BTS Event # 98105 Y1

1. Lid on the box? Yes No	5. Water standing in the well box?	7. Can cap be pulled loose?
2. Lid whole?	5a. Standing above well top?	8. Can cap seal out water?
3. Lid secure?	5b. Standing below well top?	9. Padlock present?
4. Lid seal intact?	5c. Water even with top of well cap?	10. Padlock found locked?
	6. Well cap/plug present?	11. Padlock functional?

Check box if *no deficiencies* were found. Note below deficiencies you were able to correct.

Well I.D.	Deficiency	Corrective Action Taken

Note below all deficiencies that could not be corrected and *still need to be corrected*.

Well I.D.	Persisting Deficiency	BTS Office assigns or defers Correction to:	Date assigned	Date corrected

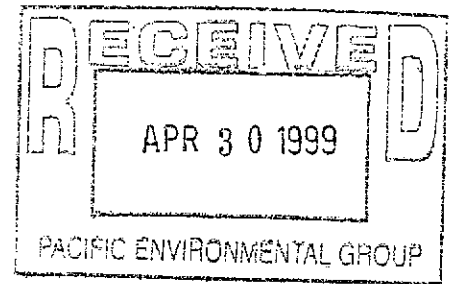
Office review and assignments made by _____ date _____

ATTACHMENT B
GROUNDWATER MONITORING REPORT
FIRST QUARTER 1999

BLAINE
TECH SERVICES INC



1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE



April 28, 1999

Karen Petryna
Equiva Services LLC
P.O. Box 6249
Carson, CA 90749-6249

First Quarter 1999 Groundwater Monitoring at
Former Texaco Service Station
500 Grand Avenue
Oakland, CA

Monitoring performed on February 16, 1999

Groundwater Monitoring Report **990216-G-1**

This report covers the routine monitoring of groundwater wells at this Former Texaco facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, appropriate calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

A handwritten signature in black ink, appearing to read "Deidre Kerwin", with a long horizontal flourish extending to the right.

Deidre Kerwin
Operations Manager

DK/ld

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Janet Yantis
Pacific Environmental Group, Inc.
2025 Gateway Place, Ste. 440
San Jose, Ca 95110

WELL CONCENTRATIONS
Former Texaco Service Station
500 Grand Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
MW-8A	NA	Well abandoned	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8B	NA	Well abandoned	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8C	NA	Well abandoned	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8D	NA	Well abandoned	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8E	NA	Well abandoned	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8F	01/23/1992	<50	1300	4.0	1.3	<0.5	1.9	NA	NA	97.94	10.24	87.70	0.00
MW-8F	02/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	97.94	9.93	88.01	0.00
MW-8F	03/26/1992	NA	NA	NA	NA	NA	NA	NA	NA	97.94	8.78	89.16	0.00
MW-8F	04/30/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	97.94	9.36	88.58	0.00
MW-8F	09/28/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	97.94	11.83	86.11	0.00
MW-8F	11/19/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	97.94	11.22	86.72	0.00
MW-8F	02/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	97.94	9.66	88.28	0.00
MW-8F	05/06/1993	<50	<100	<0.5	<0.5	<0.5	<0.5	NA	NA	97.94	8.83	89.11	0.00
MW-8F	08/16/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	10.16	3.88	0.00
MW-8F	10/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	10.60	3.44	0.00
MW-8F	02/03/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	9.29	4.75	0.00
MW-8F	05/31/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	9.34	4.70	0.00
MW-8F	08/25/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	10.14	3.90	0.00
MW-8F	11/02/1994	<50	520	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	10.42	3.62	0.00
MW-8F	01/31/1995	<50	290	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	7.47	6.57	0.00
MW-8F	05/18/1995	<50	54	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	8.00	6.04	0.00
MW-8F	08/29/1995	<50	83	<0.5	<0.5	<0.5	<0.5	<10	NA	14.04	8.08	5.96	0.00
MW-8F	11/02/1995	<50	51	<0.5	<0.5	<0.5	<0.5	<10	NA	14.04	8.70	5.34	0.00

WELL CONCENTRATIONS
Former Texaco Service Station
500 Grand Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
MW-8F	02/05/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	7.16	6.88	0.00
MW-8F	04/30/1996	<50	62	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	7.25	6.79	0.00
MW-8F	08/28/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	8.72	5.32	0.00
MW-8F	12/05/1996	210	110	17	17	11	46	<30	NA	14.04	8.16	5.88	0.00
MW-8F	02/21/1997	<50	85	<0.5	<0.5	<0.5	<0.5	<30	NA	14.04	5.53	8.51	0.00
MW-8F	05/02/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	7.85	6.19	0.00
MW-8F	07/30/1997	<50	93	<0.5	<0.5	<0.5	<0.5	<30	NA	14.04	8.87	5.17	0.00
MW-8F	11/05/1997	<50	140	<0.5	<0.5	<0.5	<0.5	<30	NA	14.04	9.16	4.88	0.00
MW-8F	01/21/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	14.04	8.56	5.48	0.00
MW-8F	06/03/1998	<50	730	<0.5	<0.5	<0.5	<0.5	2.9	NA	14.04	8.30	5.74	0.00
MW-8F	08/04/1998	<50	210	<0.5	<0.5	<0.5	<0.5	<2.5	NA	14.04	10.67	3.37	0.00
MW-8F	11/05/1998	<50	210	<0.50	<0.50	<0.50	<0.50	<2.5	NA	14.04	8.72	5.32	0.00
MW-8F	02/16/1999	<50.0	230	<0.500	<0.500	<0.500	<0.500	<2.00	NA	14.04	8.78	5.26	0.00
MW-8G**	01/23/1992	<50	980	<0.5	<0.5	<0.5	<0.5	NA	NA	97.24	11.30	85.94	0.00
MW-8G	02/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	97.24	10.83	86.41	0.00
MW-8G	03/26/1992	NA	NA	NA	NA	NA	NA	NA	NA	97.24	9.20	88.04	0.00
MW-8G	04/30/1992	<50	<50	1.7	<0.5	<0.5	<0.5	NA	NA	97.24	9.00	88.24	0.00
MW-8G	09/28/1992	Well dry	NA	NA	NA	NA	NA	NA	NA	97.24	13.32	83.92	NA
MW-8G	11/19/1992	Well inaccessible	NA	NA	NA	NA	NA	NA	NA	97.24	NA	NA	NA
MW-8G	02/12/1993	Well inaccessible	NA	NA	NA	NA	NA	NA	NA	97.24	NA	NA	NA
MW-8G	05/06/1993	<50	60	<0.5	<0.5	<0.5	<0.5	NA	NA	97.24	11.18	86.06	0.00
MW-8G	08/16/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	9.51	3.81	0.00
MW-8G	10/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	10.93	2.39	0.00
MW-8G	02/03/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	9.69	3.63	0.00
MW-8G	05/31/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	9.24	4.08	0.00
MW-8G	08/25/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	9.74	3.58	0.00
MW-8G	11/02/1994	<50	530	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	10.08	3.24	0.00
MW-8G	01/31/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	5.75	7.57	0.00

WELL CONCENTRATIONS
Former Texaco Service Station
500 Grand Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
MW-8G	05/18/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	6.60	6.72	0.00
MW-8G	08/29/1995	<50	120	<0.5	<0.5	<0.5	<0.5	<10	NA	13.32	8.14	5.18	0.00
MW-8G	11/02/1995	<50	140	<0.5	<0.5	<0.5	<0.5	<10	NA	13.32	9.16	4.16	0.00
MW-8G	02/05/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	7.18	6.14	0.00
MW-8G	04/30/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	7.00	6.32	0.00
MW-8G	08/28/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	8.94	4.38	0.00
MW-8G	12/05/1996	190	57	16	16	9.0	39	<30	NA	13.32	9.22	4.10	0.00
MW-8G	02/21/1997	<50	54	<0.5	<0.5	<0.5	<0.5	<30	NA	13.32	6.11	7.21	0.00
MW-8G	05/02/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	7.54	5.78	0.00
MW-8G	07/30/1997	Well inaccessible		NA	NA	NA	NA	NA	NA	13.32	NA	NA	NA
MW-8G	11/05/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.32	9.65	3.67	0.00
MW-8G	11/05/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.32	NA	NA	0.00
MW-8G	01/21/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.32	7.57	5.75	0.00
MW-8G	06/03/1998	<50	570	<0.5	<0.5	<0.5	<0.5	4.0	NA	13.32	9.37	3.95	0.00
MW-8G	08/04/1998	<50	200	<0.5	<0.5	<0.5	<0.5	<2.5	NA	13.32	9.89	3.43	0.00
MW-8G	11/05/1998	<50	170	<0.50	<0.50	<0.50	<0.50	<2.5	NA	13.32	10.81	2.51	0.00
MW-8G	02/16/1999	<50.0	270	<0.500	<0.500	<0.500	<0.500	<2.00	NA	13.32	8.63	4.69	0.00
MW-8H	01/23/1992	110	<60	7.2	1.2	4.7	3.2	NA	NA	98.90	3.74	95.16	0.00
MW-8H	02/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	98.90	4.44	94.46	0.00
MW-8H	03/26/1992	NA	NA	NA	NA	NA	NA	NA	NA	98.90	4.21	94.69	0.00
MW-8H	04/30/1992	190	90	11	1.5	5.6	3.6	NA	NA	98.90	3.46	95.44	0.00
MW-8H	09/28/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	98.90	NA	NA	NA
MW-8H	11/19/1992	130	NA	6.8	<0.5	1.1	1.5	NA	NA	98.90	3.75	95.15	0.00
MW-8H	02/12/1993	73	NA	5.9	<0.5	0.8	<0.5	NA	NA	98.90	4.12	94.78	0.00
MW-8H	05/06/1993	57	<100	1.7	<0.5	<0.5	<0.5	NA	NA	98.90	3.85	95.05	0.00
MW-8H	08/16/1993	<50	<50	0.5	<0.5	0.5	1.4	NA	NA	15.04	3.88	11.16	0.00
MW-8H	10/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.80	11.24	0.00
MW-8H	02/03/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.71	11.33	0.00

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MW-8H	05/31/1994	<50	<50	0.79	<0.5	<0.5	<0.5	NA	NA	15.04	3.80	11.24	0.00
MW-8H	08/25/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.89	11.15	0.00
MW-8H	11/02/1994	<50	760	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.64	11.40	0.00
MW-8H	01/31/1995	<50	190	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.58	11.46	0.00
MW-8H	05/18/1995	<50	370	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.53	11.51	0.00
MW-8H	08/29/1995	<50	1000	<0.5	<0.5	<0.5	<0.5	<10	NA	15.04	3.55	11.49	0.00
MW-8H	11/02/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	15.04	3.49	11.55	0.00
MW-8H	02/05/1996	<50	190	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.54	11.50	0.00
MW-8H	04/30/1996	<50	1800	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.50	11.54	0.00
MW-8H	08/28/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.62	11.42	0.00
MW-8H	12/05/1996	100	350	6.2	7.3	5.0	22	<30	NA	15.04	3.38	11.66	0.00
MW-8H	02/21/1997	<50	900	<0.5	<0.5	<0.5	<0.5	<30	NA	15.04	3.77	11.27	0.00
MW-8H	05/02/1997	<50	450	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.64	11.40	0.00
MW-8H	07/30/1997	<50	180	<0.5	0.62	<0.5	<0.5	<30	NA	15.04	3.65	11.39	0.00
MW-8H	11/05/1997	<50	280	<0.5	<0.5	<0.5	<0.5	<30	NA	15.04	3.61	11.43	0.00
MW-8H	01/21/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	15.04	3.57	11.47	0.00
MW-8H	06/03/1998	<50	440	<0.5	<0.5	<0.5	<0.5	<0.5	NA	15.04	3.50	11.54	0.00
MW-8H	08/04/1998	<50	300	<0.5	<0.5	<0.5	<0.5	<2.5	NA	15.04	3.64	11.40	0.00
MW-8H	11/05/1998	<50	230	<0.50	<0.50	<0.50	<0.50	<2.5	NA	15.04	3.21	11.83	0.00
MW-8I	01/23/1992	820	210	420	7	27	20	NA	NA	98.27	6.33	91.94	0.00
MW-8I	02/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	98.27	6.55	91.72	0.00
MW-8I	03/26/1992	NA	NA	NA	NA	NA	NA	NA	NA	98.27	6.45	91.82	0.00
MW-8I	04/30/1992	2,200	430	1,800	19	180	25	NA	NA	98.27	6.48	91.79	0.00
MW-8I	09/28/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	98.27	NA	NA	NA
MW-8I	11/19/1992	720	NA	120	1.1	29	13	NA	NA	98.27	6.37	91.90	0.00
MW-8I	02/12/1993	4,000	NA	970	9.2	52	36	NA	NA	98.27	6.44	91.83	0.00
MW-8I	05/06/1993	1,400	<10	370	2.4	40	8.4	NA	NA	98.27	6.36	91.91	0.00
MW-8I	08/16/1993	<50	<50	3.1	<0.5	6	<0.5	NA	NA	14.40	6.35	8.05	0.00

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MW-8I	10/12/1993	<50	<50	1.4	<0.5	<0.5	<0.5	NA	NA	14.40	5.99	8.41	0.00
MW-8I	02/03/1994	1,000	<50	270	3.2	51	14	NA	NA	14.40	5.84	8.56	0.00
MW-8I	05/31/1994	1,400	<50	330	4.6	52	16	NA	NA	14.40	6.25	8.15	0.00
MW-8I	08/25/1994	540	<50	14	0.58	30	4.3	NA	NA	14.40	6.31	8.09	0.00
MW-8I	11/02/1994	310	370	5.7	0.74	20	<0.5	NA	NA	14.40	6.10	8.30	0.00
MW-8I	01/31/1995	840	910	290	4.5	45	1.6	NA	NA	14.40	5.83	8.57	0.00
MW-8I	05/18/1995	1,700	1100	390	7.8	80	10	NA	NA	14.40	6.09	8.31	0.00
MW-8I	08/29/1995	300	560	81	<0.5	13	0.63	<10	NA	14.40	6.09	8.31	0.00
MW-8I	11/02/1995	81	160	<0.5	4.1	1.5	<0.5	<10	NA	14.40	6.26	8.14	0.00
MW-8I	02/05/1996	300	140	75	0.75	8.4	1.2	NA	NA	14.40	5.97	8.43	0.00
MW-8I	04/30/1996	350	<50	150	0.77	3.2	1.3	NA	NA	14.40	6.04	8.36	0.00
MW-8I	08/28/1996	1100	380	300	2.9	3.2	2.1	NA	NA	14.40	6.20	8.20	0.00
MW-8I	12/05/1996	340	53	23	8.7	11	26	<30	NA	14.40	6.01	8.39	0.00
MW-8I	02/21/1997	<50	330	<0.5	<0.5	<0.5	<0.5	<30	NA	14.40	6.15	8.25	0.00
MW-8I	05/02/1997	110	<50	39	<0.5	0.92	<0.5	NA	NA	14.40	6.20	8.20	0.00
MW-8I	07/30/1997	<50	170	4.2	<0.5	<0.5	<0.5	<30	NA	14.40	6.12	8.28	0.00
MW-8I	11/05/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	14.40	6.26	8.14	0.00
MW-8I	01/21/1998	<50	<50	1.5	<0.5	<0.5	<0.5	<30	NA	14.40	6.00	8.40	0.00
MW-8I	06/03/1998	<50	360	<0.5	<0.5	<0.5	<0.5	1.5	NA	14.40	6.74	7.66	0.00
MW-8I	08/04/1998	<50	83	<0.5	<0.5	<0.5	<0.5	<2.5	NA	14.40	6.16	8.24	0.00
MW-8I	11/05/1998	<50	67	<0.50	<0.50	<0.50	<0.50	<2.5	NA	14.40	6.14	8.26	0.00
MW-8J	01/23/1992	<50	<50	1	<0.5	<0.5	<0.5	NA	NA	97.69	6.31	91.38	0.00
MW-8J	02/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	97.69	6.28	91.41	0.00
MW-8J	03/26/1992	NA	NA	NA	NA	NA	NA	NA	NA	97.69	6.20	91.49	0.00
MW-8J	04/30/1992	<50	<50	2	<0.5	<0.5	<0.5	NA	NA	97.69	6.48	91.21	0.00
MW-8J	09/28/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	97.69	NA	NA	NA
MW-8J	11/19/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	97.69	6.55	91.14	0.00
MW-8J	02/12/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	97.69	7.46	90.23	0.00

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MW-8J	05/06/1993	<50	<10	<0.5	<0.5	<0.5	<0.5	NA	NA	97.69	6.21	91.48	0.00
MW-8J	08/16/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	6.29	7.53	0.00
MW-8J	10/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.87	7.95	0.00
MW-8J	02/03/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.98	7.84	0.00
MW-8J	05/31/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	6.10	7.72	0.00
MW-8J	08/25/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	6.01	7.81	0.00
MW-8J	11/02/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.90	7.92	0.00
MW-8J	01/31/1995	<50	<50	3.7	<0.5	<0.5	<0.5	NA	NA	13.82	5.07	8.75	0.00
MW-8J	05/18/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.33	8.49	0.00
MW-8J	08/29/1995	<50	250	<0.5	<0.5	<0.5	<0.5	<10	NA	13.82	3.50	10.32	0.00
MW-8J	11/02/1995	<50	520	<0.5	<0.5	<0.5	<0.5	<10	NA	13.82	5.94	7.88	0.00
MW-8J	02/05/1996	<50	65	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.34	8.48	0.00
MW-8J	04/30/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.96	7.86	0.00
MW-8J	08/28/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	6.38	7.44	0.00
MW-8J	12/05/1996	160	<50	13	14	8.9	38	<30	NA	13.82	5.94	7.88	0.00
MW-8J	02/21/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.82	5.60	8.22	0.00
MW-8J	05/02/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	6.22	7.60	0.00
MW-8J	07/30/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.82	6.28	7.54	0.00
MW-8J	11/05/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.82	6.03	7.79	0.00
MW-8J	01/21/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.82	5.71	8.11	0.00
MW-8J	06/03/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	13.82	5.45	8.37	0.00
MW-8J	08/04/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	13.82	5.93	7.89	0.00
MW-8J	11/05/1998	<50	<50	2.0	<0.50	<0.50	<0.50	<2.5	NA	13.82	6.05	7.77	0.00
MW-8K	05/21/1993	54	<50	12	<0.5	<0.5	<0.5	NA	NA	15.18	NA	NA	0.00
MW-8K	08/16/1993	<50	<50	<0.5	<0.5	1.0	<0.5	NA	NA	15.18	2.08	13.10	0.00
MW-8K	10/12/1993	<50	<50	4.2	<0.5	<0.5	<0.5	NA	NA	15.18	1.95	13.23	0.00
MW-8K	01/03/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	1.48	13.70	0.00
MW-8K	05/31/1994	<50	<50	1.0	0.57	<0.5	<0.5	NA	NA	15.18	1.59	13.59	0.00

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MW-8K	08/25/1994	<50	<50	0.78	<0.5	<0.5	<0.5	NA	NA	15.18	2.00	13.18	0.00
MW-8K	11/02/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	2.10	13.08	0.00
MW-8K	01/31/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	1.35	13.83	0.00
MW-8K	08/18/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	1.36	13.82	0.00
MW-8K	08/29/1995	<50	160	<0.5	<0.5	<0.5	<0.5	<10	NA	15.18	1.55	13.63	0.00
MW-8K	11/02/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	15.18	1.88	13.30	0.00
MW-8K	02/05/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	1.46	13.72	0.00
MW-8K	04/30/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	1.43	13.75	0.00
MW-8K	08/28/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	1.75	13.43	0.00
MW-8K	12/05/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	15.18	1.42	13.76	0.00
MW-8K	02/21/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	15.18	1.49	13.69	0.00
MW-8K	05/02/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	1.60	13.58	0.00
MW-8K	07/30/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	15.18	1.66	13.52	0.00
MW-8K	11/05/1997	<50	300	<0.5	<0.5	<0.5	<0.5	<30	NA	15.18	1.62	13.56	0.00
MW-8K	01/21/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	15.18	1.29	13.89	0.00
MW-8K	06/03/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	15.18	1.17	14.01	0.00
MW-8K	08/04/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	15.18	1.21	13.97	0.00
MW-8K	11/05/1998	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	15.18	2.30	12.88	0.00
MW-8L	05/21/1993	76	<50	1.1	<0.5	<0.5	6	NA	NA	14.44	NA	NA	0.00
MW-8L	08/16/1993	<50	<50	<0.5	<0.5	0.7	1.1	NA	NA	14.44	2.47	11.97	0.00
MW-8L	10/12/1993	110	<50	13	<0.5	6	<0.5	NA	NA	14.44	2.36	12.08	0.00
MW-8L	01/03/1994	590	<50	61	2.4	<0.5	110	NA	NA	14.44	2.82	11.62	0.00
MW-8L	05/31/1994	410	<50	77	<0.5	20	1.1	NA	NA	14.44	2.66	11.78	0.00
MW-8L	08/25/1994	260	<50	16	<0.5	2.5	<0.5	NA	NA	14.44	2.34	12.10	0.00
MW-8L	11/02/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA
MW-8L	01/31/1995	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	0.08	14.36	NA
MW-8L	08/18/1995	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	0.42	14.02	NA
MW-8L	08/29/1995	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA

WELL CONCENTRATIONS
Former Texaco Service Station
500 Grand Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
MW-8L	11/02/1995	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA
MW-8L	02/05/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA
MW-8L	04/30/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA
MW-8L	08/28/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	0.75	13.69	NA
MW-8L	12/05/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA
MW-8L	02/21/1997	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA
MW-8L	05/02/1997	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	0.60	13.84	NA
MW-8L	07/30/1997	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA
MW-8L	11/05/1997	NA	NA	NA	NA	NA	NA	NA	NA	14.44	0.67	13.77	NA
MW-8L	01/21/1998	NA	NA	NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA

Abbreviations:

TPPH= Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

ug/L = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

Notes:

** = Non-diesel mix >C16. The certified analytical report for sample MW-8G was revised on 10/21/93.



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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Deidre Kerwin

Client Proj. ID: Texaco 990216-G1

Received: 02/17/99

Lab Proj. ID: 9902843

Reported: 03/09/99

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 15 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

Gas/BTEX and 418.1 Note:

Gas/BTEX and 418.1 was analyzed by Sequoia Analytical -Petaluma.

SEQUOIA ANALYTICAL

Project Manager





Sequoia Analytical

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March 4, 1999

Kayvan Kimyai
Sequoia - RC (Subbed In)
680 Chesapeake Dr.
Redwood City, CA 94063

RE: Kayvon Kimyai/P902527

Dear Kayvan Kimyai

Enclosed are the results of analyses for sample(s) received by the laboratory on February 19, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Matt Sakai
Project Manager

CA ELAP Certificate Number 2245





Sequoia
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Sequoia - RC (Subbed In)	Project: Kayvon Kimyai	Sampled: 2/16/99
680 Chesapeake Dr.	Project Number: 9902843	Received: 2/19/99
Redwood City, CA 94063	Project Manager: Kayvan Kimyai	Reported: 3/4/99

ANALYTICAL REPORT FOR P902527

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-8F	P902527-01	Water	2/16/99
MW-8G	P902527-02	Water	2/16/99





Sequoia - RC (Subbed In)	Project: Kayvon Kimyai	Sampled: 2/16/99
680 Chesapeake Dr.	Project Number: 9902843	Received: 2/19/99
Redwood City, CA 94063	Project Manager: Kayvan Kimyai	Reported: 3/4/99

**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-8F				<u>P902527-01</u>			<u>Water</u>	
Gasoline	9020549	2/25/99	2/25/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		100	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		100	"	
MW-8G				<u>P902527-02</u>			<u>Water</u>	
Gasoline	9020549	2/25/99	2/25/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		98.3	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		99.3	"	





Sequoia - RC (Subbed In)	Project: Kayvon Kimyai	Sampled: 2/16/99
680 Chesapeake Dr.	Project Number: 9902843	Received: 2/19/99
Redwood City, CA 94063	Project Manager: Kayvan Kimyai	Reported: 3/4/99

**Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
<u>MW-8F</u>				<u>P902527-01</u>				
TRPH	9030072	3/3/99	3/4/99	EPA 418.1	1.00	ND	Water mg/l	
<u>MW-8G</u>				<u>P902527-02</u>				
TRPH	9030072	3/3/99	3/4/99	EPA 418.1	1.00	ND	Water mg/l	





Sequoia - RC (Subbed In)	Project: Kayvon Kimyai	Sampled: 2/16/99
680 Chesapeake Dr.	Project Number: 9902843	Received: 2/19/99
Redwood City, CA 94063	Project Manager: Kayvan Kimyai	Reported: 3/4/99

**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9020549		Date Prepared: 2/25/99		Extraction Method: EPA 5030 waters						
Blank		9020549-BLK1								
Gasoline	2/25/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	2.00				
Surrogate: a,a,a-Trifluorotoluene	"	300		309	"	65.0-135	103			
Surrogate: 4-Bromofluorobenzene	"	300		310	"	65.0-135	103			
LCS		9020549-BS1								
Gasoline	2/25/99	1000		887	ug/l	65.0-135	88.7			
Surrogate: 4-Bromofluorobenzene	"	300		307	"	65.0-135	102			
Matrix Spike		9020549-MS1		P902486-01						
Gasoline	2/25/99	1000	ND	1070	ug/l	65.0-135	107			
Surrogate: 4-Bromofluorobenzene	"	300		309	"	65.0-135	103			
Matrix Spike Dup		9020549-MSD1		P902486-01						
Gasoline	2/25/99	1000	ND	1060	ug/l	65.0-135	106	20.0	0.939	
Surrogate: 4-Bromofluorobenzene	"	300		308	"	65.0-135	103			





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Sequoia - RC (Subbed In) 680 Chesapeake Dr. Redwood City, CA 94063	Project: Kayvon Kimyai Project Number: 9902843 Project Manager: Kayvan Kimyai	Sampled: 2/16/99 Received: 2/19/99 Reported: 3/4/99
--------------------------------------------------------------------------	-------------------------------------------------------------------------------------	-----------------------------------------------------------

Conventional Chemistry Parameters by APHA/EPA Methods/Quality Control Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9030072	Date Prepared: 3/3/99		Extraction Method: 413.2 / 5520C Mod.							
Blank	9030072-BLK1									
TRPH	3/4/99			ND	mg/l	1.00				
LCS	9030072-BS1									
TRPH	3/4/99	20.0		20.5	mg/l	80.0-120	103			
LCS Dup	9030072-BSD1									
TRPH	3/4/99	20.0		20.4	mg/l	80.0-120	102	20.0	0.976	





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Sequoia - RC (Subbed In) 680 Chesapeake Dr. Redwood City, CA 94063	Project: Kayvon Kimyai Project Number: 9902843 Project Manager: Kayvan Kimyai	Sampled: 2/16/99 Received: 2/19/99 Reported: 3/4/99
--------------------------------------------------------------------------	-------------------------------------------------------------------------------------	-----------------------------------------------------------

Notes and Definitions

#	Note
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- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- Recov. Recovery
- RPD Relative Percent Difference





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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Texaco 990216-G1 Sample Descript: MW-8F Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9902843-01	Sampled: 02/16/99 Received: 02/17/99 Extracted: 02/22/99 Analyzed: 02/27/99 Reported: 03/09/99
------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------

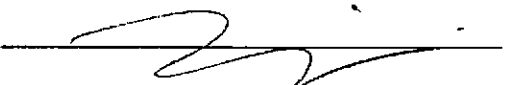
QC Batch Number: GC0222990HBPEXZ
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern: Unidentified HC Discrete Peak	50	230 C9-C24 DP @ C14
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 92

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

SEQUOIA ANALYTICAL - ELAP #1210


Project Manager





Sequoia Analytical

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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Texaco 990216-G1 Sample Descript: MW-8G Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9902843-02	Sampled: 02/16/99 Received: 02/17/99 Extracted: 02/22/99 Analyzed: 02/27/99 Reported: 03/09/99
------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------


QC Batch Number: GC0222990HBPEXZ
 Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern: Unidentified HC Discrete Peak	50	270 C9-C24 DP @ C14
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 88

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

SEQUOIA ANALYTICAL - ELAP #1210


 Project Manager





Sequoia Analytical

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Deidre Kerwin

Client Project ID: Texaco 990216-G1

QC Sample Group: 9902843

Reported: Mar 9, 1999

QUALITY CONTROL DATA REPORT

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

ANALYTE Diesel

QC Batch #: GC0222990HBPEXZ

Sample No.: 9902812-02

Date Prepared: 2/22/99

Date Analyzed: 2/25/99

Instrument I.D.#: GCHP4A

Sample Conc., ug/L: 210

Conc. Spiked, ug/L: 1000

Matrix Spike, ug/L: 1400

% Recovery: 119

Matrix

Spike Duplicate, ug/L: 1200

% Recovery: 99

Relative % Difference: 18

RPD Control Limits: 0-50

LCS Batch#: BLK022299ZS

Date Prepared: 2/22/99

Date Analyzed: 2/25/99

Instrument I.D.#: GCHP4A

Conc. Spiked, ug/L: 1000

Recovery, ug/L: 770

LCS % Recovery: 77

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.

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


Kayvan Kimyai
Project Manager





SEQUOIA ANALYTICAL CHAIN OF CUSTODY

680 Chesapeake Drive • Redwood City, CA 94063 • (650) 364-9600 FAX (650) 364-9233
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Company Name: TRMI EH&S		Project Name: 990216-61	
Address: Texaco Loc. #624880235, 500 Grand Ave.,		Billing Address (if different): 108 Cutting Boulevard	
City: Oakland	State: CA	Zip Code: Richmond, California 94804	
Telephone: (510)236-3541		FAX #: (510)237-7821	
Report To: Deidre Kerwin (BTS)		QC Data: <input type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A	
Sampler: Morgan Gillies		P&E engineer: Karen Petryna	

Turnaround 10 Working Days 3 Working Days 2 - 8 Hours
 Time: 7 Working Days 2 Working Days
 5 Working Days 24 Hours 9902843

Analyses Requested
 Drinking Water
 Waste Water
 Other

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested					Comments	
						TPH-g/BTEX/MIBE	TPH Diesel	O&G/TRPH (418.1)	Nitrate	Sulfate		Total Sulfide
1. MW-8F	2/16/99, 914		7		01	X	X	X				Confirm MIBE by 8200 if detected or if detection limit raised above 5 P.P.B.
2. MW-8G	↓, 932		7		02	X	X	X				
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												

Relinquished By: [Signature]	Date: 2/17/99	Time: 1007	Received By: [Signature]	Date: 2-17-99	Time: 002
Relinquished By: [Signature]	Date: 2-17-99	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab: [Signature]	Date: 2/17	Time: 512

5
Pink - Client
Yellow - Sequoia
White - Sequoia
12

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>990216-61</u>	Job #: <u>624880235</u>
Sampler: <u>M6</u>	Date: <u>2/16/89</u>
Well I.D.: <u>MW-8F</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>14.35</u>	Depth to Water: <u>8.78</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Middleburg Electric Submersible Extraction Pump Other: _____

Sampling Method: Bailer Extraction Port Other: _____

<u>3.6</u>	x	<u>3</u>	=	<u>10.8</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>907</u>	<u>60.9</u>	<u>8.0</u>	<u>2860</u>	<u>>200</u>	<u>4</u>	
<u>908</u>	<u>61.4</u>	<u>7.9</u>	<u>2940</u>	<u>>200</u>	<u>8</u>	
<u>909</u>	<u>61.8</u>	<u>7.9</u>	<u>3030</u>	<u>>200</u>	<u>11</u>	

Did well dewater? Yes No Gallons actually evacuated: 11

Sampling Time: 914 Sampling Date: 2/16/89

Sample I.D.: MW-8F Laboratory: Sequoia BC Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: D+G

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>990216-61</u>	Job # <u>624880235</u>
Sampler: <u>MG</u>	Date: <u>2/16/99</u>
Well I.D.: <u>MW-86</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>14.30</u>	Depth to Water: <u>8.63</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Middleburg Electric Submersible Extraction Pump Other: _____

Sampling Method: Bailer Extraction Port Other: _____

<u>3.7</u>	x	<u>3</u>	=	<u>11.1</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>925</u>	<u>61.4</u>	<u>7.9</u>	<u>3600</u>	<u>>200</u>	<u>4</u>	
<u>926</u>	<u>62.1</u>	<u>7.7</u>	<u>3680</u>	<u>149</u>	<u>8</u>	
<u>927</u>	<u>62.3</u>	<u>7.7</u>	<u>3740</u>	<u>112</u>	<u>12</u>	

Did well dewater? Yes No Gallons actually evacuated: 12

Sampling Time: 932 Sampling Date: 2/16/99

Sample I.D.: MW-86 Laboratory: Sequoia BC Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: OTG

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL HEAD INSPECTION CHECKLIST AND REPAIR ORDER

Client Equiva Site # 62488/0235 Inspection date: 2/16/99
 Site address 500 Grand Ave. Inspected by: MB
Oakland, CA BTS Event # 990216-61

1. Lid on the box? Yes No	5. Water standing in the well box?	7. Can cap be pulled loose?
2. Lid whole?	5a. Standing above well top?	8. Can cap seal out water?
3. Lid secure?	5b. Standing below well top?	9. Padlock present?
4. Lid seal intact?	5c. Water even with top of well cap?	10. Padlock found locked?
	6. Well cap/plug present?	11. Padlock functional?

Check box if *no deficiencies* were found. Note below deficiencies you were able to correct.

Well I.D.	Deficiency	Corrective Action Taken
MW-8F	5c	Bailed H ₂ O
MW-9C	"	" "

Note below all deficiencies that could not be corrected and *still need to be corrected*.

Well I.D.	Persisting Deficiency

BTS Office assigns or defers Correction to:	Date assigned	Date corrected

Office review and assignments made by _____ date _____