Texaco Refining
and Marketing Inc

10 Universal City Plaza
Universal City CA 91608

July 14, 1993

ENV - SERVICE STATIONS
Quarterly Status Report
500 Grand Avenue
Oakland, California

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

Dear Ms. Hugo:

Enclosed is a copy of our quarterly technical letter report dated June 24, 1993, for the former Texaco and then Exxon service station facility that was located at 500 Grand Avenue in Oakland, California. In addition to the existing monitoring wells, this report presents analytical data for the recently installed wells MW-8L and MW-8K. However, survey data for these two wells was not available at the time of the quarterly sampling event, thus the attached report does not include groundwater elevation data for these two wells. This data will be provided in the next quarterly technical report.

If you have any questions or wish to discuss these reports, please call me at (818) 505-2476.

Very truly yours,
Texaco Refining and Marketing Inc.

Bob Robles
Environmental Coordinator

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Enclosure

cc: Mr. Rich Hiett
California Regional Water
Quality Control Board
San Francisco Bay Area Region
2101 Webster Street, Ste. 500
Oakland, CA 94612

RRZielinski

pr: DBF

PACIFIC
ENVIRONMENTAL
GROUP, INC.

June 24, 1993
Project 340-34.10

Mr. Bob Robles
Texaco Refining and Marketing, Inc.
10 Universal City Plaza, Suite 724
Universal City, California 91608

Re: Quarterly Report - Second Quarter 1993
Former Texaco Service Station
500 Grand Avenue at Euclid Avenue
Oakland, California

Dear Mr. Robles:

This letter presents the results of the second quarter 1993 groundwater sampling and analytical event conducted by Pacific Environmental Group, Inc. (PACIFIC) on May 6, 1993 at the site referenced above (Figures 1 and 2). Groundwater elevation data are presented in Table 1 and on shown Figure 1. Groundwater analytical data are presented in Table 2 and on shown Figure 2. The certified analytical report and chain-of-custody documentation are presented as Attachment A. The sampling and laboratory procedures are presented as Attachment B.

If you have any questions regarding the contents of this letter, please do not hesitate to call.

Sincerely,

Pacific Environmental Group, Inc.

Steven E. Krcik
Senior Geologist
RG 4976

2025 Gateway Place, Suite 440, San Jose, California 95110 (408) 441-7500 FAX (408) 441-7539

Attachments:
Table 1 - Groundwater Elevation Data
Table 2 - Groundwater Analytical Data - Total Petroleum Hydrocarbons (TPH as Gasoline, BTEX Compounds, TPH as Diesel, and TPH as Other)
Figure 1- Groundwater Elevation Contour Map
Figure 2- TPH-g/Benzene Concentration Map
Attachment A - Certified Analytical Report and Chain-of-Custody Documentation
Attachment B - Sampling and Laboratory Procedures

cc: Mr. Ron Zielinski, Texaco Refining and Marketing, Inc.

Table 1
Groundwater Elevation Data

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

Well Number	Date Gauged	Well Elevation* (feet)	Depth to Water (feet, TOC)	Groundwater Elevation* (feet)
MW-8A	03/29/91	99.72	2.32	97.40
	04/23/91		2.31	97.41
	06/10/91		2.82	96.90
	06/28/91		2.53	97.19
	07/23/91		2.35	97.37
	08/22/91		2.68	97.04
	10/03/91		2.46	97.26
	10/24/91		2.53	97.19
	11/26/91		3.03	96.69
	12/30/91		2.28	97.44
	01/23/92		2.57	97.15
	02/28/92		2.48	97.24
	03/26/92		2.13	97.59
	04/30/92		2.10	97.62
	08/03/92	----- Well Properly Abandoned -----		
MW-8B	03/29/91	101.11	0.26	100.85
	04/23/91		0.31	100.80
	06/10/91		0.42	100.69
	06/28/91		0.41	100.70
	07/23/91		0.52	100.59
	08/22/91		0.62	100.49
	10/03/91		0.52	100.59
	10/24/91		0.62	100.49
	11/26/91		0.73	100.38
	12/30/91		0.30	100.81
	01/23/92		0.54	100.57
	02/28/92		0.29	100.82
	03/26/92		0.07	101.04
	04/30/92		0.60	100.51
	09/28/92	------ Not Monitored ----------		
	11/19/92	------ Not Monitored ----------		
	02/12/93	------ Not Monitored ----------		
	04/01/93	----- Well Properly Abandoned -----		
MW-8C	03/29/91	98.41	6.47	91.94
	04/23/91		6.67	91.74
	06/10/91		8.08	90.33
	06/28/91		7.36	91.05
	07/23/91		7.37	91.04
	08/22/91		8.79	89.62
	10/03/91		7.93	90.48
	10/24/91		7.68	90.73
	11/26/91		7.59	90.82
	12/30/91		7.15	91.26
	01/23/92		6.88	91.53
	02/28/92		6.69	91.72
	03/26/92		6.69	91.72
	04/30/92		5.90	92.51
	09/28/92	------ Not Monitored ----------		

Table 1 (continued)
Groundwater Elevation Data

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

Well Number	Date Gauged	Well Elevation* (feet)	Depth to Water (feet, TOC)	Groundwater Elevation* (feet)
MW-8C	11/19/92	------ Not Monitored ----------		
(cont.)	02/12/93	------ Not Monitored ----------		
	04/01/93	------ Well Properly Abandoned -----		
MW-8E	03/29/91	99.38	3.28	96.10
	04/23/91		3.02	96.36
	06/10/91		3.08	96.30
	06/28/91		3.25	96.13
	07/23/91		3.24	96.14
	08/22/91		3.48	95.90
	10/03/91		3.32	96.06
	10/24/91		3.45	95.93
	11/26/91		3.34	96.04
	12/30/91		3.53	95.85
	01/23/92		3.57	95.81
	02/28/92		3.35	96.03
	03/26/92		3.01	96.37
	04/30/92		3.76	95.62
	08/03/92	------ Well Properly Abandoned -----		
MW-8F	03/29/91	97.94	8.59	89.35
	04/23/91		8.85	89.09
	06/10/91		9.58	88.36
	06/28/91		9.48	88.46
	07/23/91		9.79	88.15
	08/22/91		11.44	86.50
	10/03/91		11.58	86.36
	10/24/91		11.75	86.19
	11/26/91		11.63	86.31
	12/30/91		10.51	87.43
	01/23/92		10.24	87.70
	02/28/92		9.93	88.01
	03/26/92		8.78	89.16
	04/30/92		9.36	88.58
	09/28/92		11.83	86.11
	11/19/92		11.22	86.72
	02/12/93		9.66	88.28
	05/06/93		8.83	89.11
MW-8G	03/29/91	------ Well Inaccessible ----------		
	04/23/91	97.24	9.44	87.80
	06/10/91		10.29	86.95
	06/28/91		10.30	86.94
	07/23/91		10.74	86.50
	08/22/91		12.56	84.68
	10/03/91		13.09	84.15
	10/24/91		13.42	83.82
	11/26/91		13.02	84.22
	12/30/91		11.94	85.30
	01/23/92		11.30	85.94

Table 1 (continued)
Groundwater Elevation Data

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

Well Number	Date Gauged	Well Elevation* (feet)	Depth to Water (feet, TOC)	Groundwater Elevation* (feet)
MW-8G	02/28/92		10.83	86.41
(cont.)	03/26/92		9.20	88.04
	04/30/92		9.00	88.24
	09/28/92		13.32	83.92
	11/19/92	------ Well Inaccessible ----------		
	02/12/93	------ Well Inaccessible ----------		
	05/06/93		11.18	86.06
MW-8H	03/29/91	98.90	3.70	95.20
	04/23/91		6.03	92.87
	06/10/91		3.68	95.22
	06/28/91		3.83	95.07
	07/23/91		3.85	95.05
	08/22/91		3.80	95.10
	10/03/91		3.79	95.11
	10/24/91		4.02	94.88
	11/26/91		3.88	95.02
	12/30/91		3.84	95.06
	01/23/92		3.74	95.16
	02/28/92		4.44	94.46
	03/26/92		4.21	94.69
	04/30/92		3.46	95.44
	09/28/92	------ Well Inaccessible ----------		
	11/19/92		3.75	95.15
	02/12/93		4.12	94.78
	05/06/93		3.85	95.05
MW-8I	03/29/91	98.27	6.15	92.12
	04/23/91		6.29	91.98
	06/10/91		6.11	92.16
	06/28/91		6.30	91.97
	07/23/91		6.41	91.86
	08/22/91		6.44	91.83
	10/03/91		6.47	91.80
	10/24/91		6.57	91.70
	11/26/91		6.58	91.69
	12/30/91		6.41	91.86
	01/23/92		6.33	91.94
	02/28/92		6.55	91.72
	03/26/92		6.45	91.82
	04/30/92		6.48	91.79
	09/28/92	------ Well Inaccessible ----------		
	11/19/92		6.37	91.90
	02/12/93		6.44	91.83
	05/06/93		6.36	91.91
MW-8J	03/29/91	97.69	5.71	91.98
	04/23/91		3.81	93.88
	06/10/91		6.17	91.52
	06/28/91		6.31	91.38

Table 1 (continued)
Groundwater Elevation Data

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

Well Number	Date Gauged	Well Elevation* (feet)	Depth to Water (feet, TOC)	Groundwater Elevation* (feet)
MW-8J	07/23/91		6.67	91.02
(cont.)	08/22/91		6.75	90.94
	10/03/91		6.77	90.92
	10/24/91		6.88	90.81
	11/26/91		6.59	91.10
	12/30/91		6.41	91.28
	01/23/92		6.31	91.38
	02/28/92		6.28	91.41
	03/26/92		6.20	91.49
	04/30/92		6.48	91.21
	09/28/92	------ Well Inaccessible ------		
	11/19/92		6.55	91.14
	02/12/93		7.46	90.23
	05/06/93		6.21	91.48

* = Relative to arbitrary datum of 100 feet.
TOC = Top of casing

Table 2
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPH as Gasoline, BTEX Compounds, TPH as Diesel, and TPH as Other*)

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

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	TPH as Diesel (ppb)	TPH as Other* (ppb)
MW-8A	06/14/88	NA	<0.5	1.5	<2	6.6	NA	NA
	10/25/88	NA	<0.5	<1	<2	<1	NA	NA
	09/28/89	<50	<0.5	<0.5	<0.5	<3	NA	NA
	11/29/89	<50	<0.5	1.0	<0.5	<0.5	1,200	<50
	01/24/90	<100	<0.5	<0.5	<0.5	<0.5	NA	2,800
	04/26/90	<2,500	<0.5	<0.5	<0.5	<0.5	<50	890
	07/26/90	<50	6.0	<0.5	<0.5	<0.5	<50	<50
	10/18/90	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	01/08/91	<30	<0.3	<0.3	<0.3	<0.3	<50	130
	04/23/91	<50	<0.5	<0.5	<0.5	<0.5	<50	<500
	07/23/91	<50	<0.5	<0.5	<0.5	<0.5	<50	<500
	10/24/91	<50	<0.5	<0.5	<0.5	<0.5	<50	<500
	01/23/92	<50	<0.5	<0.5	<0.5	<0.5	700	NA
	04/30/92	<50	<0.5	<0.5	<0.5	<0.5	<50	<500
	08/03/92	Well Properly Abandoned						
MW-8B	06/14/88	NA	<0.5	<1	<2	<1	NA	NA
	10/21/88	NA	<0.5	<1	<2	3.1	NA	NA
	09/28/89	<50	<0.5	<0.5	<0.5	<3	NA	NA
	11/29/89	<50	<0.5	<0.5	<0.5	<0.5	<50	380
	01/24/90	<100	<0.5	<0.5	<0.5	<0.5	NA	350
	04/26/90	<50	<0.5	<0.5	<0.5	<0.5	<50	110
	07/26/90	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	10/18/90	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	01/08/91	<30	<0.3	<0.3	<0.3	<0.3	<50	180
	04/23/91	<50	8.4	2.5	<0.5	5.1	<50	<500
	07/23/91	<50	<0.5	1.1	<0.5	2.0	<50	<500
	10/24/91	<50	<0.5	<0.5	<0.5	<0.5	<50	<500
	01/23/92	<50	<0.5	<0.5	<0.5	<0.5	550	NA
	04/30/92	<50	<0.5	<0.5	<0.5	<0.5	<50	<500
	09/28/92	Not Sampled						
	11/19/92	Not Sampled						
	02/12/93	Not Sampled						
	04/01/93	Well Properly Abandoned						
MW-8C	06/14/88	NA	5.3	3.5	2.6	13.0	NA	NA
	10/21/88	NA	<0.5	<1	<2	<1	NA	NA
	09/28/89	<50	<0.5	<0.5	<0.5	<3.0	NA	NA
	11/29/89	<50	<0.5	<0.5	<0.5	<0.5	<50	190
	01/24/90	<100	0.9	<0.5	<0.5	<0.5	NA	480
	04/26/90	<50	<0.5	<0.5	<0.5	<0.5	<50	160
	07/26/90	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	10/18/90	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	01/08/91	<30	<0.3	<0.3	<0.3	<0.3	76	110
	04/23/91	800	12	25	3.7	19	<50	<500
	07/23/91	<50	<0.5	0.6	<0.5	<0.5	<50	<500
	10/24/91	<50	<0.5	<0.5	<0.5	<0.5	<50	<500
	01/23/92	<50	1.2	<0.5	<0.5	<0.5	840	NA

Table 2 (continued)
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPH as Gasoline, BTEX Compounds, TPH as Diesel, and TPH as Other*)

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

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	TPH as Diesel (ppb)	TPH as Other* (ppb)
MW-8C	04/30/92	<50	<0.5	<0.5	<0.5	<0.5	150	<500
(cont.)	09/28/92	Not Sampled						
	11/19/92	Not Sampled						
	02/12/93	Not Sampled						
	04/01/93	Well Properly Abandoned						
MW-8E	10/25/88	NA	1,400	510	2.9	420	NA	NA
	09/28/89	22,000	5,600	3,100	<500	<3,000	NA	NA
	11/29/89	15,000	4,900	2,600	<250	1,490	6,800	<50
	01/24/90	36,000	10,100	3,340	540	1,790	NA	4,900
	04/26/90	48,000	11,000	5,700	840	2,800	1,400	<50
	07/26/90	56,000	15,000	6,200	520	4,700	<50	<50
	10/18/90	15,000	1,500	1,300	170	1,800	620	<50
	01/08/91	51,000	14,000	5,400	860	1,700	17,000	520
	04/23/91	50,000	19,000	6,100	750	4,100	4,800	<500
	07/23/91	47,000	16,000	5,400	1,100	4,000	3,500	<500
	10/24/91	40,000	19,000	6,100	1,100	4,900	9,400	<500
	01/23/92	38,000	3,800	2,800	610	4,800	9,800	NA
	04/23/92	41,000	20,000	3,700	500	3,900	9,600	<500
	08/03/92	Well Properly Abandoned						
MW-8F	04/14/88	NA	<0.5	<1	<2	<1	NA	NA
	09/28/89	<50	<0.5	<0.5	<0.5	<3.0	NA	NA
	11/29/89	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	01/24/90	<100	<0.5	<0.5	<0.5	<0.5	NA	<300
	04/26/90	<50	<0.5	<0.5	<0.5	<0.5	<50	110
	07/26/90	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	10/18/90	<50	<0.5	<0.5	<0.5	<0.5	360	<50
	01/08/91	<30	<0.3	<0.3	<0.3	<0.3	380	620
	04/23/91	<50	5.9	3.1	<0.5	2.7	1,400	3,200
	07/23/91	<50	<0.5	0.8	<0.5	<0.5	60	<500
	10/24/91	<50	<0.5	<0.5	<0.5	<0.5	<50	<500
	01/23/92	<50	4.0	1.3	<0.5	1.9	1,300	NA
	04/30/92	<50	<0.5	<0.5	<0.5	<0.5	<50	<500
	09/28/92	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/19/92	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
	02/12/93	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	05/06/93	<50	<0.5	<0.5	<0.5	<0.5	<100	<50
MW-8G	04/14/88	NA	<0.5	<1	<2	<1	NA	NA
	09/28/89	<50	<0.5	<0.5	<0.5	<3.0	NA	NA
	11/29/89	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	01/24/90	<100	<0.5	<0.5	<0.5	<0.5	NA	650
	04/26/90	<50	<0.5	<0.5	<0.5	<0.5	<50	120
	07/26/90	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	10/18/90	<50	<0.5	<0.5	<0.5	<0.5	460	<50
	01/08/91	<30	<0.3	<0.3	<0.3	<0.3	220	260
	04/23/91	<50	0.9	0.9	<0.5	<0.5	1,100	<500

Table 2 (continued)
Groundwater Analytical Data
Total Petroleum Hydrocarbons
(TPH as Gasoline, BTEX Compounds, TPH as Diesel, and TPH as Other*)

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

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	TPH as Diesel (ppb)	TPH as Other* (ppb)
MW-8G	07/23/91	<50	0.5	1.5	<0.5	3.0	<50	<500
(cont.)	10/24/91	<50	0.6	<0.5	<0.5	<0.5	NA	NA
	01/24/92	<50	<0.5	<0.5	<0.5	<0.5	960	NA
	04/30/92	<50	1.7	<0.5	<0.5	<0.5	<50	<500
	09/28/92	Well Dry						
	11/19/92	Well Inaccessible						
	02/12/93	Well Inaccessible						
	04/29/93	<50	<0.5	<0.5	<0.5	<0.5	64	<250
MW-8H	01/24/90	460	14.8	14.8	10.8	38.8	NA	<300
	04/26/90	830	67	19	43	64	<50	820
	07/26/90	190	45	1.3	12	8.2	<50	<50
	10/18/90	300	17	2.5	14	8.5	<50	<50
	01/08/91	320	12	2.2	6.4	4.0	180	89
	04/23/91	<50	1.5	<0.5	<0.5	<0.5	730	<500
	07/23/91	270	21	1.8	9.7	2.6	<50	<500
	10/24/91	120	7.6	1.0	3.5	2.4	70	<500
	01/23/92	110	7.2	1.2	4.7	3.2	<60	NA
	04/30/92	190	11	1.5	5.6	3.6	90	<500
	09/28/92	Well Inaccessible						
	11/19/92	130	6.8	<0.5	1.1	1.5	NA	NA
	02/12/93	73	5.9	<0.5	0.8	<0.5	NA	NA
	05/06/93	57	1.7	<0.5	<0.5	<0.5	<100	<50
MW-8I	01/24/90	580	116	2.9	13	30.5	NA	440
	04/26/90	4,400	2,400	100	230	350	<50	1,400
	07/26/90	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	10/18/90	530	92	4.1	37	21	<50	<50
	01/08/91	1,300	500	4.3	36	25	710	210
	04/23/91	1,500	1,600	17	100	86	1,100	900
	07/23/91	1,700	1,600	30	140	63	260	<500
	10/25/91	760	470	6.0	76	13	230	<500
	01/23/92	820	420	7.2	27	20	210	NA
	04/30/92	2,200	1,800	19	180	25	430	<500
	09/28/92	Well Inaccessible						
	11/19/92	720	120	1.1	29	13	NA	NA
	02/12/93	4,000	970	9.2	52	36	NA	NA
	05/06/93	1,400	370	2.4	40	8.4	<100	<50
MW-8J	01/24/90	<100	2.7	<0.5	1	2.6	NA	<300
	04/26/90	160	28	7.7	19	24	<50	320
	07/26/90	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	10/18/90	<50	8.3	<0.5	2.6	1.5	<50	<50
	01/08/91	71	0.41	<0.3	<0.3	0.52	<50	69
	04/23/91	300	16	2.2	9.3	4.6	550	<500
	07/23/91	<50	4.6	<0.5	3.1	<0.5	<50	<500
	10/24/91	<50	0.8	<0.5	<0.5	<0.5	<50	<500
	01/23/92	<50	0.8	<0.5	<0.5	<0.5	<50	NA

Table 2 (continued)

Groundwater Analytical Data

Total Petroleum Hydrocarbons

(TPH as Gasoline, BTEX Compounds, TPH as Diesel, and TPH as Other*)

Former Texaco Service Station

500 Grand Avenue at Euclid Avenue

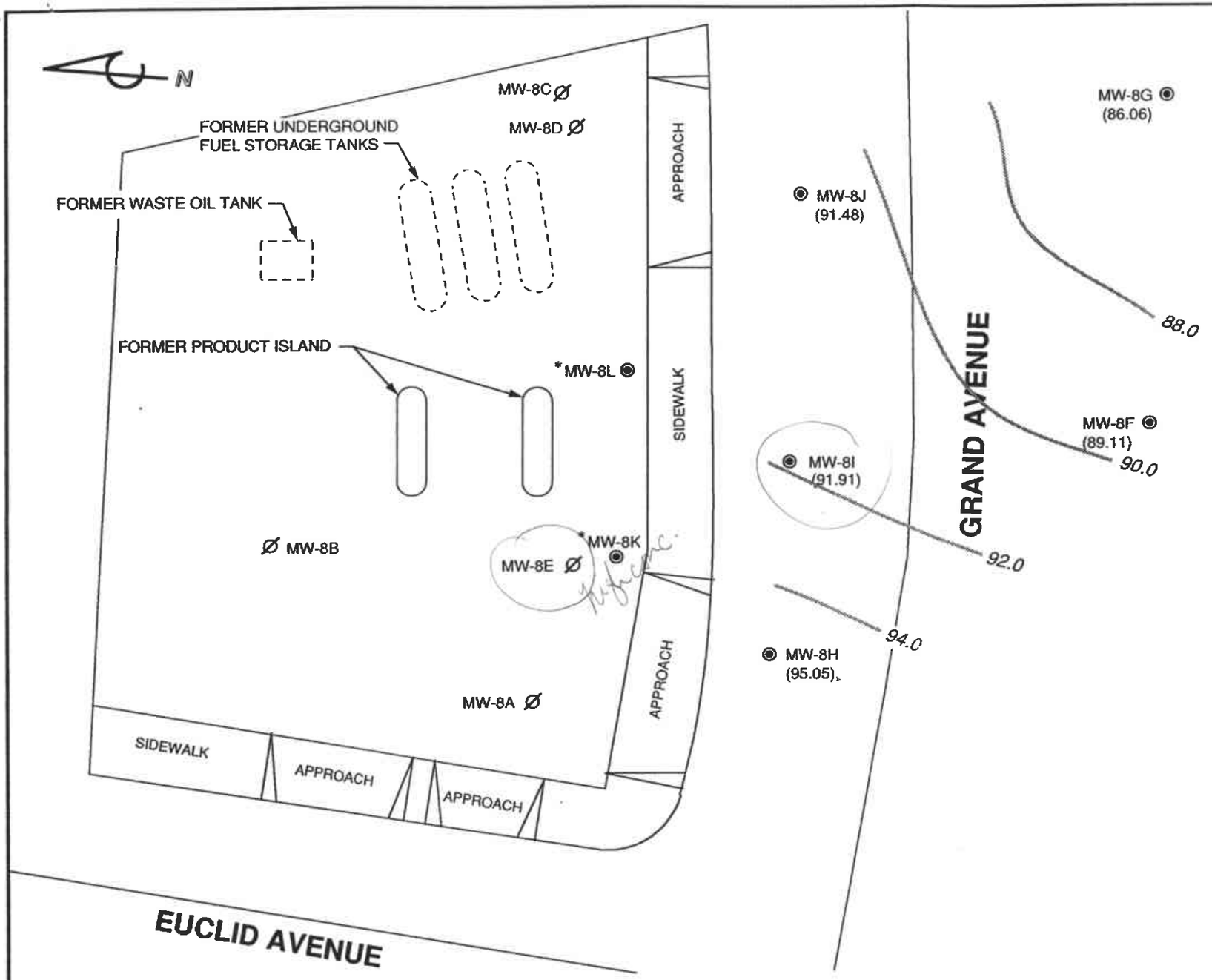
Oakland, California

Well Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	TPH as Diesel (ppb)	TPH as Other* (ppb)
MW-8J	04/30/92	<50	2.3	<0.5	<0.5	<0.5	<50	<500
(cont.)	09/28/92	Well Inaccessible						
	11/19/92	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
	02/12/93	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
	05/06/93	<50	<0.5	<0.5	<0.5	<0.5	<100	<50
MW-8K	05/21/93	54	12	<0.5	<0.5	<0.5	<50	<50
MW-8L	05/21/93	76	1.1	<0.5	<0.5	6	<50	<50
OB-3	11/06/89	4,000	420	8	6	64	NA	NA
	04/26/90	1,000	160	19	5	8.6	3,200	<50
	07/26/90	68	<0.5	<0.5	<0.5	0.9	1,200	<50
	10/18/90	3,200	260	69	35	490	2,100	<50
		Well Abandoned						
OB-4	11/06/89	4,000	500	11	10	24	NA	NA
	04/26/90	460	360	10	10	18	3,900	<50
	07/26/90	200	23	3.7	1.6	5.9	1,600	<50
	10/18/90	4,300	600	540	83	840	330	<50
		Well Abandoned						

ppb = Parts per billion

* = Includes "heavy" petroleum hydrocarbons such as waste oil, mineral spirits, jet fuel, or fuel oil.

NA = Not analyzed



LEGEND

MW-8J ◉ GROUNDWATER MONITORNG WELL LOCATION AND DESIGNATION

MW-8A Ø ABANDONED WELL LOCATION AND DESIGNATION

(89.11) GROUNDWATER ELEVATION IN FEET - MSL, 5-6-93

90.0 GROUNDWATER ELEVATION CONTOUR IN FEET - 5-6-93

* WELL NOT SURVEYED

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

APPROXIMATE GRADIENT = 0.07 ft/ft

PACIFIC ENVIRONMENTAL GROUP, INC.

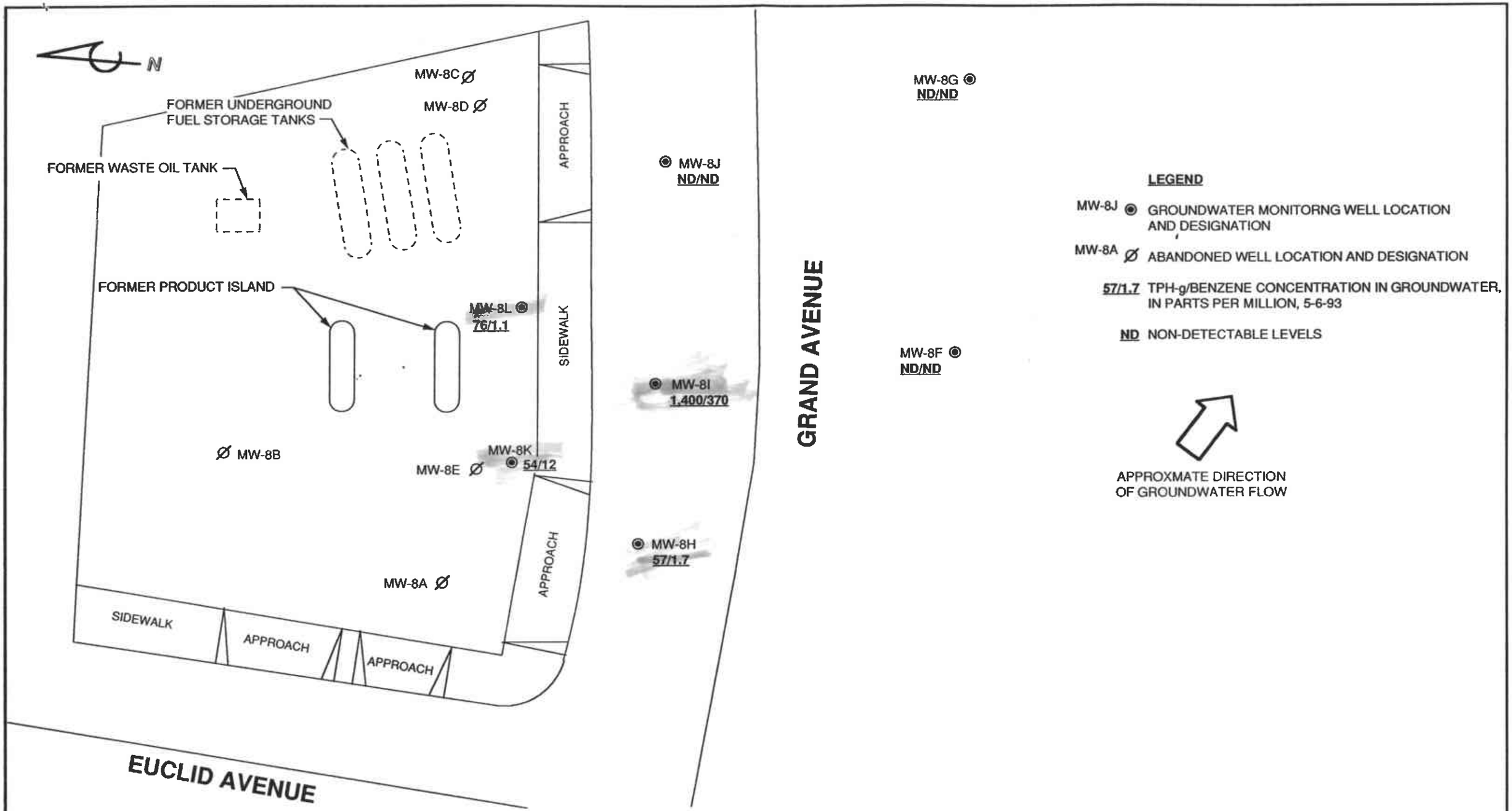
SCALE
0 20 40 FEET

FORMER TEXACO STATION
500 Grand Avenue at Euclid Avenue
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP

FIGURE
1
PROJECT:
340-34.10

6/16/93



PACIFIC ENVIRONMENTAL GROUP, INC.

SCALE
0 20 40 FEET

FORMER TEXACO STATION
500 Grand Avenue at Euclid Avenue
Oakland, California

TPH-g/BENZENE CONCENTRATION MAP

FIGURE
2
PROJECT:
340-34.10

6/16/93

ATTACHMENT A

CERTIFIED ANALYTICAL REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group	Client Project ID:	340-34.01/Texaco, Oakland	Sampled:	Apr 29, 1993
2025 Gateway Place, Suite 440	Sample Matrix:	Water	Received:	Apr 29, 1993
San Jose, CA 95110	Analysis Method:	EPA 5030/8015/8020	Reported:	Apr 29, 1993
Attention: Lainie Demian	First Sample #:	3DB9501		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 3DB9501 MW8G
Purgeable Hydrocarbons	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Total Xylenes	0.50	N.D.
Chromatogram Pattern:		--

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Analyzed:	4/29/93
Instrument Identification:	GCHP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	96

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

Eileen A. Manning
Project Manager

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group	Client Project ID:	340-34.01/Texaco, Oakland
2025 Gateway Place, Suite 440	Matrix:	Water
San Jose, CA 95110		
Attention: Lainie Demian	QC Sample Group	3DB9501

Reported: Apr 29, 1993

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	M. Nipp	M. Nipp	M. Nipp	M. Nipp
Conc. Spiked:	10	10	10	30
Units:	µg/L	µg/L	µg/L	µg/L
LCS Batch#:	GBLK042993	GBLK042993	GBLK042993	GBLK042993
Date Prepared:	N.A.	N.A.	N.A.	N.A.
Date Analyzed:	4/29/93	4/29/93	4/29/93	4/29/93
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
LCS % Recovery:	100	100	100	100
Control Limits:	80-120	80-120	80-120	80-120
MS/MSD Batch #:	G9304B9501A	G9304B9501A	G9304B9501A	G9304B9501A
Date Prepared:	N.A.	N.A.	N.A.	N.A.
Date Analyzed:	4/29/93	4/29/93	4/29/93	4/29/93
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Matrix Spike % Recovery:	110	110	110	110
Matrix Spike Duplicate % Recovery:	110	110	110	110
Relative % Difference:	0.0	0.0	0.0	0.0

SEQUOIA ANALYTICAL

Eileen A. Manning
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 LCS % recovery data is used for validation of sample batch results. Due to matrix effects, the QC limits for MS/MSD's are advisory only and are not used to accept or reject batch results.

Chain of Custody

Pacific Environmental Group, Inc.
2025 Gateway Place #440, San Jose CA 95110
Phone 408 441 7790 Fax 408 441 7539

JECT No. 340 34.01

ly No.

Facility Address: 500 GRAND AVE, OAKLAND

Billing Refence Number: TEXACO CONTRACT

NT engineer: BOB ROBLES

PACIFIC Point of Contact: L. DEMIAN

Sampler: L. DEMIAN

Laboratory Name: SEQUOIA

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water, S=soil, A=air)	Type (G=grab, D=disc., C=comp.)	Sampling Date	Sampling Time	BTEX/ VPHgas (8015/ 8020)	TPH Diesel (8015) AND WASTE OIL *	Oil and Grease (5520)	Total Dislvd. Metals	VOC (EPA 624/ 8240)	SVOC (EPA 627/ 8270)	HVOC (EPA 601/ 8010)	
W8G		40mL	HCL	W	G	4-29-93	0715	X							
W8G		1 LTR	NP	W	G	4-29-93	0715		X						

Comments:

2 HR RUSH FOR G-BTEX - 8015/8020 MUST HAVE VERBALS BY 2 PM 4/29

LAINLE X 216

* SEMI & NON VOLATILE HYDROCARBONS

ition of Sample:

Temperature Received:

	Date	Time		Date	Time
quished by	4-29-93	0950	Received by		
quished by			Received by		
quished by			Received by		
ished by			Received by laboratory	4-29-93	0950

Mail original Analytical Report to:

Pacific Environmental Group

- 2025 Gateway Place #440, San Jose, CA 95110 ☒
- 620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523 ☐
- 25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622 ☐
- 4020 148th Ave NE #B, Redmond, WA 98052 ☐

Turnaround Time:

- Priority Rush (1 day) ☒ G BTEX ONLY
- Rush (2 days) ☐
- Expedited (5 days) ☐
- Standard (10 days) ☒ WASTE OIL DIESEL
- As Contracted ☐

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: P.E.G.
REC. BY (PRINT): T.C.
MASTER LOG NO. / PAGE:
DATE OF LOG-IN: 4/29/93

CIRCLE THE APPROPRIATE RESPONSE

Custody Seal(s): Present / (Absent) Intact / Broken*
Custody Seal Nos.: —
Chain-of-Custody Records: (Present) / Absent*
Traffic Reports or Packing List: Present / (Absent)
Airbill: Airbill / Sticker Present / (Absent)
Airbill No.: —
Sample Tags: (Present) / Absent*
Sample Tag Nos.: (Listed) / Not Listed on Chain-of-Custody
Sample Condition: (Intact)/Broken*/Leaking*
Does information on custody reports, traffic reports and sample tags agree? (Yes) / No*
Proper Preservatives Used: (Yes) / No*
Date Rec. at Lab: 4-29-93
Time Rec. at Lab: 0950

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION (ETC)
9304B95-01	A-C	MW8G	Voas	W	4/29	

Circled, contact Project Manager and attach record of resolution

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group	Client Project ID:	340-34.01/Texaco, Oakland	Sampled:	Apr 29, 1993
2025 Gateway Place, Suite 440	Sample Matrix:	Water	Received:	Apr 29, 1993
San Jose, CA 95110	Analysis Method:	EPA 3510/3520/8015	Reported:	May 12, 1993
Attention: Lainie Demian	First Sample #:	3DD3901		

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 3DD3901 MW8G
Extractable Hydrocarbons	50	64
Chromatogram Pattern:		Diesel + Non-diesel < C14 > C20

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Extracted:	5/6/93
Date Analyzed:	5/7/93
Instrument Identification:	HP3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

Eileen A. Manning
Project Manager

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group	Client Project ID:	340-34.01/Texaco, Oakland	Sampled:	Apr 29, 1993
2025 Gateway Place, Suite 440	Sample Matrix:	Water	Received:	Apr 29, 1993
San Jose, CA 95110	Analysis Method:	EPA 3510/3520/8015	Reported:	May 12, 1993
Attention: Lainie Demian	First Sample #:	3DD3901		

FUEL FINGERPRINT - MOTOR OIL

Analyte	Reporting Limit µg/L	Sample I.D. 3DD3901 MW8G
Extractable Hydrocarbons	250	N.D.
Chromatogram Pattern:		--

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Extracted:	5/6/93
Date Analyzed:	5/10/93
Instrument Identification:	HP3B

Extractable Hydrocarbons are quantitated against a fresh motor oil standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

Eileen A. Manning
Project Manager

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group	Client Project ID:	340-34.01/Texaco, Oakland
2025 Gateway Place, Suite 440	Matrix:	Water
San Jose, CA 95110		
Attention: Lainie Demian	QC Sample Group	3DD3901

Reported: May 12, 1993

QUALITY CONTROL DATA REPORT

ANALYTE	Diesel
Method:	EPA 8015
Analyst:	K. wimer
Conc. Spiked:	300
Units:	µg/L
LCS Batch#:	BLK050693
Date Prepared:	5/6/93
Date Analyzed:	5/7/93
Instrument I.D.#:	HP3A
LCS % Recovery:	105
Control Limits:	80-120

MS/MSD Batch #:	BLK050693
Date Prepared:	5/6/93
Date Analyzed:	5/7/93
Instrument I.D.#:	HP3A
Matrix Spike % Recovery:	105
Matrix Spike Duplicate % Recovery:	105
Relative % Difference:	0.0

SEQUOIA ANALYTICAL

Eileen A. Manning
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 LCS % recovery data is used for validation of sample batch results. Due to matrix effects, the QC limits for MS/MSD's are advisory only and are not used to accept or reject batch results.

Chain of Custody

Pacific Environmental Group, Inc.
2025 Gateway Place #440, San Jose CA 95110
Phone 408 441 7790 Fax 408 441 7539

ECT No. 340-34.01
No.
Engineer: BOB ROBLES
Facility Address: 500 GRAND AVE, OAKLAND
PACIFIC Point of Contact: L. DEMIAN
Sampler: L. DEMIAN
Billing Refence Number: TEXACO CONTRACT
Laboratory Name: SEQUOIA

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water, S=soil, A=air)	Type (G=grab, D=disc, C=comp.)	Sampling Date	Sampling Time	BTEX/ VPHgas (8015/ 8020)	TPH Diesel (8015) AND WASTE OIL *	Oil and Grease (5520)	Total Dslvd. Metals	VOC (EPA 624/ 8240)	SVOC (EPA 627/ 8270)	HVOC (EPA 601/ 8010)			
18G		40mL	HCL	W	G	4-29-93	0715	X					9304039				
18G		1LTR	NP	W	G	4-29-93	0715		X							01	

Comments:

2 HR RUSH FOR G-BTEX - 8015/8020 MUST HAVE VERBALS BY 2 PM 4/29
LAINIE X216

* SEMI & NON VOLATILE HYDROCARBONS

n of Sample:

Temperature Received:

	Date	Time		Date	Time
hed by	4-29-93	0950	Received by		
hed by			Received by		
hed by			Received by		
hed by			Received by laboratory	4-29-93	0950

Mail original Analytical Report to:
Pacific Environmental Group
2025 Gateway Place #440, San Jose, CA 95110 ☒
620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523 ☐
25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622 ☐
4020 148th Ave NE #B, Redmond, WA 98052 ☐

Turnaround Time:
Priority Rush (1 day) ☒ G BTEX ONLY
Rush (2 days) ☐
Expedited (5 days) ☐
Standard (10 days) ☒ WASTE OIL DIESEL
As Contracted ☐

VENDOR ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: SAIC/RWC
REC. BY (PRINT): LSJ

MASTER LOG NO. / PAGE: 0593009
DATE OF LOGIN: 5/5/93

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION (E
1. Custody Seal(s):	Present / (Absent)	305014		9304039-01		W	4/29	
2. Custody Seal Nos.:	Intact / Broken*							
3. Chain-of-Custody Records:	(Present) / Absent*							
4. Traffic Reports or Packing List:	Present / (Absent)							
5. Airbill:	Airbill / Sticker							
6. Airbill No.:	Present / (Absent)							
7. Sample Tags:	(Present) / Absent*							
Sample Tag Nos.:	Listed / Not Listed on Chain-of-Custody							
8. Sample Condition:	Intact/Broken*/Leaking*							
9. Does information on custody reports, traffic reports and sample tags agree?	(Yes) / No*							
10. Proper Preservatives Used:	(Yes) / No*							
11. Date Rec. at Lab:	5/5/93							
12. Time Rec. at Lab:	2 PM							

* If Circled, contact Project Manager and attach record of resolution

FIGURE 7b

Chain of Custody

Pacific Environmental Group, Inc.
2025 Gateway Place #440, San Jose CA 95110
Phone 408 441 7790 Fax 408 441 7539

PROJECT No. 340-34.01

Facility No.

Facility Address: 500 GRAND AVE, OAKLAND

Billing Refence Number: TEXACO CONTRACT

CLIENT engineer: BOB ROBLES

PACIFIC Point of Contact: L. DEMIAN

Sampler: L. DEMIAN

Laboratory Name: SEQUOIA

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water, S=soil, A=air)	Type (G=grab, D=disc, C=comp.)	Sampling Date	Sampling Time	BTEX/ VPHgas (8015/ 8020)	TPH Diesel (8015) AND WASTE OIL *	Oil and Grease (5520)	Total Dislvd. Metals	VOC (EPA 624/ 8240)	SVOC (EPA 627/ 8270)	HVOC (EPA 601/ 8010)	
MW8G		40mL	HCL	W	G	4-29-93	0715	X							
MW8G		1LTR	NP	W	G	4-29-93	0715		X						

Comments:

2 HR RUSH FOR G-BTEX - 8015/8020 MUST HAVE VERBALS BY 2 pm 4/29

LAINLE X 216

* SEMI & NON VOLATILE HYDROCARBONS

Condition of Sample:

Temperature Received:

	Date	Time		Date	Time
Relinquished by	4-29-93	~~0950~~ 0850	Received by		
Relinquished by			Received by		
Relinquished by			Received by		
Relinquished by			Received by laboratory	4-29-93	~~0950~~ 0850

Mail original Analytical Report to:

Pacific Environmental Group

- 2025 Gateway Place #440, San Jose, CA 95110 ☒
- 620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523 ☐
- 25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622 ☐
- 4020 148th Ave NE #B, Redmond, WA 98052 ☐

Turnaround Time:

- Priority Rush (1 day) ☒ — G BTEX ONLY
- Rush (2 days) ☐
- Expedited (5 days) ☐
- Standard (10 days) ☒ — WASTE OIL DIESEL
- As Contracted ☐

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510 372-3700 • Fax (510) 372-6955

340-34.01\1342\012668

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Project Manager

Date Sampled: 05-06-93
Date Received: 05-07-93
Date Analyzed: 05-12-93

Sample Number	Sample Description
053085	Project # 340-34.01 Texaco - Oakland 500 Grand Ave. 8F WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	<50
Benzene	0.5	<0.5
Toluene	0.5	<0.5
Xylenes	0.5	<0.5
Ethylbenzene	0.5	<0.5

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510 372-3700 • Fax (510) 372-6955

340-34.01\1342\012668

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Project Manager

Date Sampled: 05-06-93
Date Received: 05-07-93
Date Analyzed: 05-12-93

Sample Number	Sample Description
053086	Project # 340-34.01 Texaco - Oakland 500 Grand Ave. 8H WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	57
Benzene	0.5	1.7
Toluene	0.5	<0.5
Xylenes	0.5	<0.5
Ethylbenzene	0.5	<0.5

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 · Martinez, CA 94553
Phone (510 372-3700 · Fax (510) 372-6955

340-34.01\1342\012668

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Project Manager

Date Sampled: 05-06-93
Date Received: 05-07-93
Date Analyzed: 05-12-93

Sample Number	Sample Description
053087	Project # 340-34.01 Texaco - Oakland 500 Grand Ave. 8I WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	1,400
Benzene	0.5	370
Toluene	0.5	2.4
Xylenes	0.5	8.4
Ethylbenzene	0.5	40

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510 372-3700 • Fax (510) 372-6955

340-34.01\1342\012668

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Project Manager

Date Sampled: 05-06-93
Date Received: 05-07-93
Date Analyzed: 05-12-93

Sample Number	Sample Description
053088	Project # 340-34.01 Texaco - Oakland 500 Grand Ave. 8J WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	<50
Benzene	0.5	<0.5
Toluene	0.5	<0.5
Xylenes	0.5	<0.5
Ethylbenzene	0.5	<0.5

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510 372-3700 • Fax (510) 372-6955

340-34.01\1342\012668

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Project Manager

Date Sampled: 05-06-93
Date Received: 05-07-93
Date Analyzed: 05-12-93

Sample Number	Sample Description
053089	Project # 340-34.01 Texaco - Oakland 500 Grand Ave. TB WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	<50
Benzene	0.5	<0.5
Toluene	0.5	<0.5
Xylenes	0.5	<0.5
Ethylbenzene	0.5	<0.5

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510 372-3700 • Fax (510) 372-6955

340-34.01\1342\012668

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Project Manager

Date Sampled: 05-06-93
Date Received: 05-07-93
Date Analyzed: 05-20-93

Sample Number	Sample Description	Detection Limit ppb	WATER Total Petroleum Hydrocarbons as Diesel ppb
		Texaco - Oakland 500 Grand Avenue Proj #: 340-34.01	
053085	8F	100*	<100
053086	8H	100*	<100
053087	8I	100*	<100
053088	8J	100*	<100

QA/QC: Spike Recovery on 053088 is 105%
Duplicate Deviation on 053088 is 4%

* Raised detection limits are due to limited sample available for analysis.

Note: Analysis was performed using EPA method 3510 and TPH LUFT.
(ppb) = (µg/L)

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Ronald G. Evans
Lab Director

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340-34.01\1223\012668

Pacific Environmental Group
2025 Gateway Place, #440
San Jose, CA 95110
Attn: Maree Doden
Project Manager

Date Sampled: 05-06-93
Date Received: 05-07-93
Date Analyzed: 05-19-93

Sample Number	Sample Description	Detection Limit	WATER Gravimetric Waste Oil as Petroleum Oil
		ppm	ppm
	Project # 340-34.01 Texaco - Oakland 500 Grand Ave.		
053085	8F	50	<50
053086	8H	50	<50
053087	8I	50	<50
053088	8J	50	<50

QA/QC: Spike Recovery on 053088 is 86%
Duplicate Deviation on 053088 is 1.06%

Note: Analysis was performed using EPA extraction method 3550 with Trichlorotrifluoroethane as solvent, and gravimetric determination by standard methods 5520
(ppm) = (mg/L)

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Ronald G. Evans
Lab Director

Chain of Custody

Pacific Environmental Group, Inc.
2025 Gateway Place #440, San Jose CA 95110
Phone 408 441 7790 Fax 408 441 7539

PROJECT No. 340340.1

Facility No. Texaco | Facility Address: 500 Grand Ave Oakland | Billing Refence Number:

CLIENT engineer: Bob Robles | PACIFIC Point of Contact: Maree Doden | Sampler: CJ Mototsky | Laboratory Name: MOBIL CHEM

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix (W=water S=soil A=air)	Type (G=grab D=disc. C=comp.)	Sampling Date	Sampling Time	BTEX/ VPHgas (8015/ 8020)	TPH Diesel (8015)	Oil and Grease (5520) (waste oil)	Total Dislvd. Metals	VOC (EPA 624/ 8240)	SVOC (EPA 627/ 8270)	HVOC (EPA 601/ 8010)	Comments:
8F	2	40ml	HCl	W	G	5-6-93	15:15	X							
8F	1	1L	H_2SO_4				15:15			X					
8H	2	40ml	HCl				15:05	X							
8H	1	1L	H_2SO_4				15:05			X					
8I	2	40ml	HCl				14:55	X							
8I	1	1L	H_2SO_4				14:55			X					
8J	2	40ml	HCl				14:45	X							
8J	1	1L	H_2SO_4				14:45			X					
TB	2	40ml	HCl	W	G		NA	X							

Condition of Sample: ON ICE and head space (no)

Temperature Received:

Relinquished by	Date	Time	Received by	Date	Time
CJ Mototsky	5/7/93				
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory	Date	Time
	~~5-7-93~~	~~1:16~~	Dave Levine	5-7-93	1:16

Mail original Analytical Report to:

Pacific Environmental Group
2025 Gateway Place #440 ☒
San Jose, CA 95110
820 Contra Costa Blvd. #209 ☐
Pleasant Hill, CA 94523
25725 Jeronimo Rd. #576C ☐
Mission Viejo, CA 92622
4020 148th Ave NE #B ☐
Redmond, WA 98052

Turnaround Time:

Priority Rush (1 day) ☐
Rush (2 days) ☐
Expedited (5 days) ☐
Standard (10 days) ☐
As Contracted ☒

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340-34.20\1342\012710

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 05-20-93
Date Received: 05-24-93
Date Analyzed: 06-01-93

Sample Number	Sample Description
053246	Project # 340-34.20 Texaco - Oakland 500 Grand Ave. MW-8K WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	54
Benzene	0.5	12
Toluene	0.5	<0.5
Xylenes	0.5	<0.5
Ethylbenzene	0.5	<0.5

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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Lab Director

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340-34.20\1342\012710

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 05-21-93
Date Received: 05-24-93
Date Analyzed: 06-01-93

Sample Number	Sample Description
053245	Project # 340-34.20 Texaco - Oakland 500 Grand Ave. MW-8L WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	76
Benzene	0.5	1.1
Toluene	0.5	<0.5
Xylenes	0.5	6.0
Ethylbenzene	0.5	<0.5

QA/QC: Duplicate Deviation is 6.6%

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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340-34.20\1342\012710

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 05-20-93
Date Received: 05-24-93
Date Analyzed: 06-01-93

Sample Number	Sample Description
053247	Project # 340-34.20 Texaco - Oakland 500 Grand Ave. TB WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	<50
Benzene	0.5	<0.5
Toluene	0.5	<0.5
Xylenes	0.5	<0.5
Ethylbenzene	0.5	<0.5

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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Lab Director

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Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 05-21-93
Date Received: 05-24-93
Date Analyzed: 06-01-93

Sample Number	Sample Description
053245B	Project # 340-34.20 Texaco - Oakland 500 Grand Ave. DI-1 WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	<50
Benzene	0.5	<0.5
Toluene	0.5	<0.5
Xylenes	0.5	<0.5
Ethylbenzene	0.5	<0.5

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

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340-34.20\1428\012710

Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 05-21-93
Date Received: 05-24-93
Date Analyzed: 05-25-93

Sample Number	Sample Description	Detection Limit	WATER Total Petroleum Hydrocarbons as Diesel
		ppb	ppb
	Texaco - Oakland 500 Grand Avenue Project No.: 340-34.20		
053245	MW-8L	50	<50
053246	MW-8K	50	<50

QA/QC: Spike Recovery on 053245 is 91%
Duplicate Deviation on 053245 is 4.8%

Note: Analysis was performed using EPA method 3510 and TPH LUFT.
(ppb) = (µg/L)

MOBILE CHEM LABS

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340-34.20\1223\012710

Pacific Environmental Group
2025 Gateway Place, #440
San Jose, CA 95110
Attn: Maree Doden
Pacific Contact

Date Sampled: 05-21-93
Date Received: 05-24-93
Date Analyzed: 06-02-93

Sample Number	Sample Description	Detection Limit ppm	WATER Gravimetric Waste Oil as Petroleum Oil ppm
	Project # 340-34.20 Texaco - Oakland 500 Grand Ave.		
053245	MW-8L	50	<50
053246	MW-8K	50	<50

Note: Analysis was performed using EPA extraction method 3550 with Trichlorotrifluoroethane as solvent, and gravimetric determination by standard methods 5520
(ppm) = (mg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

Chain of Custody

Pacific Environmental Group, Inc.
2025 Gateway Place #440, San Jose CA 95110
Phone 408 441 7790 Fax 408 441 7539

PROJECT No. 340-34.20

Facility No. TEXACO | Facility Address: 500 GRAND AVE OAKLAND | Billing Refence Number:

CLIENT engineer: ~~KARL DETTLEMAN~~ BOB ROBLES | PACIFIC Point of Contact: M. DODEN | Sampler: C. GRAVES | Laboratory Name: Mobile Chem

W=water S=soil A=air | G=grab D=disc. C=comp.

Sample I.D.	Cont. No.	Container Size (ml)	Sample Preserv.	Matrix	Type	Sampling Date	Sampling Time	BTEX/ VPHgas (8015/ 8020)	TPH Diesel (8015)	Oil and Grease (5520)	Total Dielvd. Metals	VOC (EPA 624/ 8240)	SVOC (EPA 627/ 8270)	HVOC (EPA 601/ 8010)				Comments:
MW8L	2	40ml	HCl	W	G	5/21/93	15:30	✓										ANALYZE DI-1 FOR G/BTEX ONLY IF MW8L HAS HITS IN G/BTEX
MW8L	2	1L	NP	W	G	5/21/93	1530		✓									
MW8L	2	1L	H_2SO_4	W	G	5/21/93	1530			✓								
DI-1 Hold	3	40ml	HCl	W	G	5/21/93	1400	✓	Hold									
MW8K (14')	2	40mL	HCl	W	G	5-20-93	10:20	✓										
↓	2	1L	H_2SO_4	W	G	5-20-93	1020			✓								
↓	5	40ml	HCl	W	G	5-20-93	1100		✓									
TB	2	40ml	HCl	W	G	5-20-93	NA	✓										

Condition of Sample: ON ICE NO Head Space

Temperature Received:

Relinquished by	Date	Time	Received by	Date	Time
[signature]	5/24/93	1245			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by laboratory: DAVE LEVIN	Date	Time
				5-24-93	12:45

Mail original Analytical Report to:

Pacific Environmental Group

- 2025 Gateway Place #440, San Jose, CA 95110 ☑
- 620 Contra Costa Blvd. #209, Pleasant Hill, CA 94523 ☐
- 25725 Jeronimo Rd. #576C, Mission Viejo, CA 92622 ☐
- 4020 148th Ave NE #B, Redmond, WA 98052 ☐

Turnaround Time:

- Priority Rush (1 day) ☐
- Rush (2 days) ☐
- Expedited (5 days) ☐
- Standard (10 days) ☐
- As Contracted ☑

ATTACHMENT B

SAMPLING AND LABORATORY PROCEDURES