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November 30, 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 for your record and files is a copy of a letter from Pacific Environmental which presents revisions to the analytical results reported in the second quarter sampling report for the above subject location.

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

Very truly yours, Texaco Refining and Marketing Inc.

Nobles
Bob Robles

Environmental Coordinator

RR:rr

Enclosure

Mr. Joe D. Howard - Property Owner Mr. Rich Hiett - CRWQCB San Francisco Bay Area Region RRZielinski

pr:__



November 3, 1993 Project 340-34.21

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

Re: Former Texaco Service Station 500 Grand Avenue Oakland, California

Dear Mr. Robles:

This letter presents revised results for the second quarter 1993 groundwater sampling and analytical event conducted by Pacific Environmental Group, Inc. (PACIFIC) on April 29, 1993, at the site referenced above. Due to an analytical laboratory reporting error, the quarterly monitoring and sampling report issued by PACIFIC on May 12, 1993 reported groundwater analytical results for Monitoring Well MW-8G and total petroleum hydrocarbons calculated as diesel (TPH-d) incorrectly. At the request of PACIFIC, the analytical laboratory reexamined the chromatogram for MW-8G and determined the constituents found in the sample were not TPH-d. The laboratory has determined the constituents found in the sample were an unidentifiable non-diesel mix of hydrocarbons. A revised certified analytical report dated October 21, 1993 and laboratory chromatograms for the diesel standard and sample MW-8G are presented as Attachment A.

Please do not hesitate to call with any questions regarding the above data. Sincerely,

Pacific Environmental Group, Inc.

Steven E. Krcik Senion Geologist

RG 4976

Attachment: Attachment A - Revised Certified Analytical Report for Groundwater Sample MW-8G

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

STEVEN E. KRCIK

ATTACHMENT A

REVISED CERTIFIED ANALYTICAL REPORT FOR GROUNDWATER SAMPLE MW-8G

Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110

San Jose, CA 95110 Attention: Lainie Demian Client Project ID: Sample Matrix:

Analysis Method:

First Sample #:

340-34.01/Texaco, Oakland

Water

EPA 3510/3520/8015

3DD3901

Sampled:

Apr 29, 1993 Apr 29, 1993

Received: Reported:

May 12, 1993

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit μg/L	Sample I.D. 3DD3901 MW8G			
Extractable Hydrocarbons	50	64			

Chromatogram Pattern:

Non-diesel mix > C16

Report Limit

Multiplication Factor:

Quality Control Data

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.

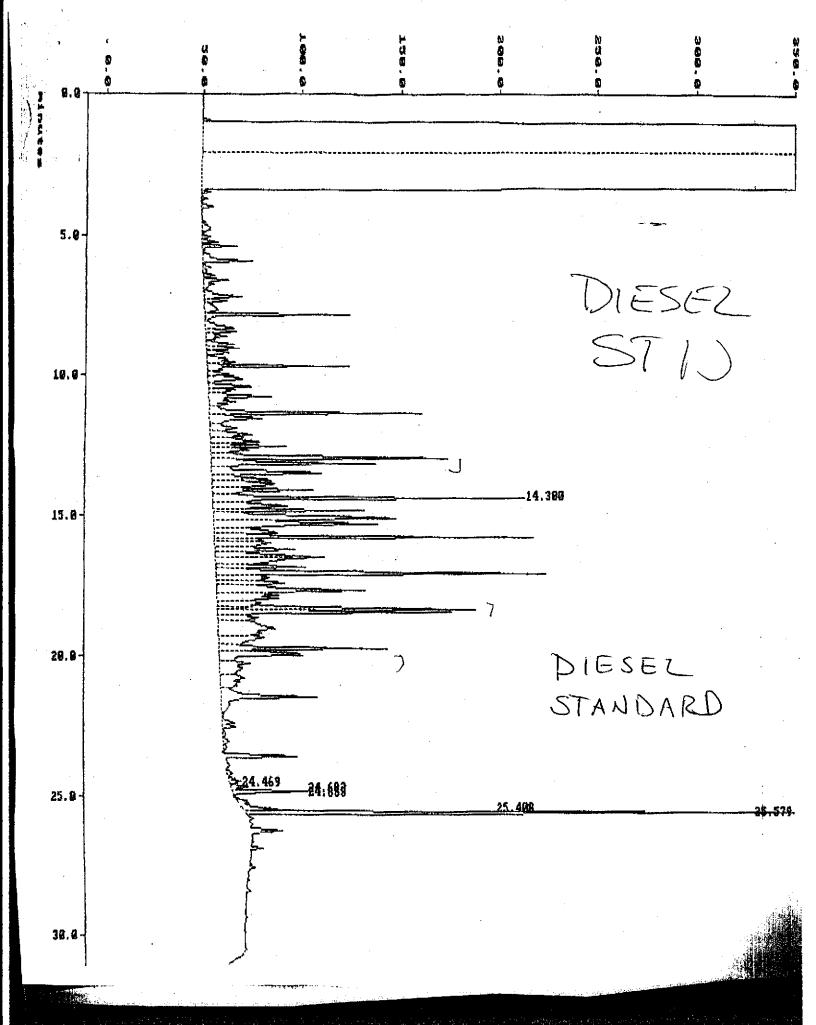
SEQUOIA ANALYTICAL

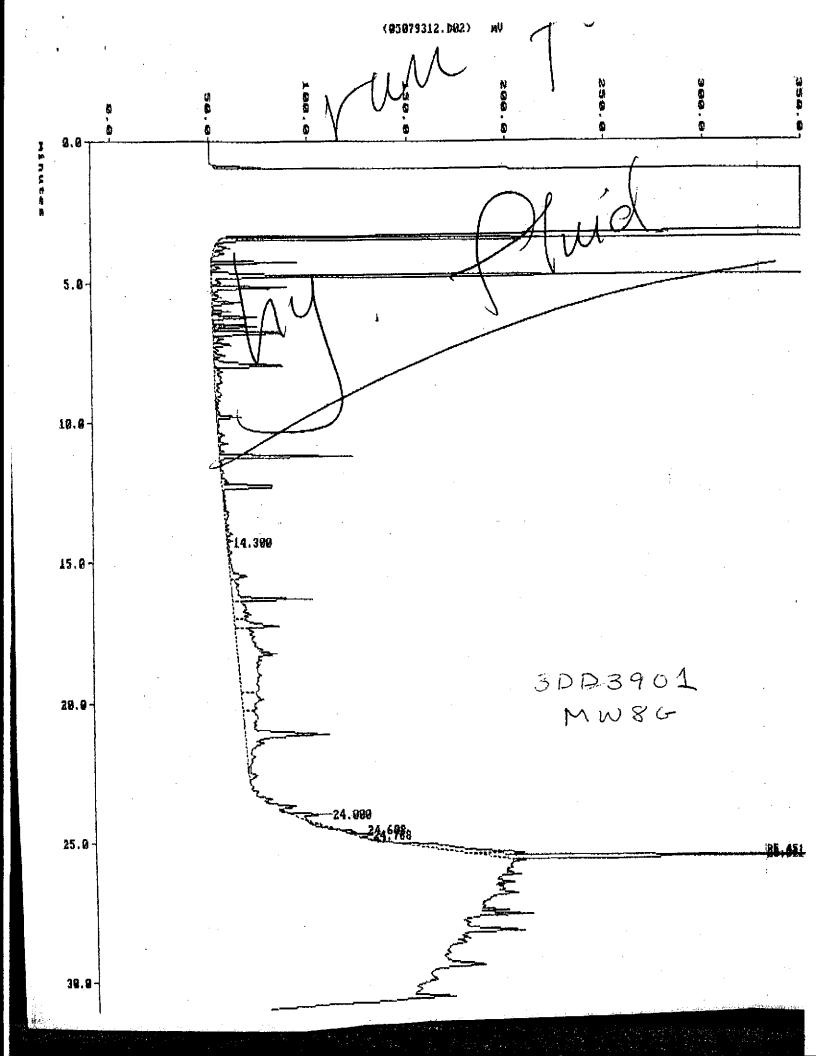
Please Note:

Revised report: 10/21/93

-Eileen A. Manning Project Manager

3DD3901.PPP <1>





PROJECT No.	3	40	34	4.01		T	Chain of Custody acility Address: 500 GRAND AVE OAKLAND					20	Pacific Environmental Group, Inc. 2025 Gateway Place #440, San Jose CA 95110 Phone 408 441 7790 Fax 408 441 7539						
Facility No.				····		Facility	y Address:	500	GR.	AND	Au	E 6	DAK	LAN	D	BII	ling Ref	ence N	umber: TEXACO CONTRACT
CLIENT engineer:	BOE	3 /	OBL	<u> </u>	,	PACIF	IC Point of	Contact:	L.De	MIAN	Ų	1 '			MIAN		Laboratory Name: SEQUOIA		
					W-water	G=grab D=dlec.				WASTE CIL									Comments: 2 HR RUSH
Sample I.D.	Co N	nt.	ontainer Size (Mi)	Sample Preserv.	A=alr Matrix	C=comp.	Sampling Date	Sampling Time	BTEX/ VPHgas (8015/ 8020)	TPH Diesel	Grease	Total Disivd. Metals	(EPA 624/	(EPA 627/	HVOC (EPA 601/				FOR G-BTEX-1 8015/8020 MUST HAVE
MW8G		4	On L	HCL	w		4.29-93	0715		1 (-)	(0020)	IVIOLATE	8240)	6270)	8010)			-	VERBALS BY 2 pm 4/29
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																			*SEMI & NON VOLATILE HYDROCALBONS
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		+						<u></u> -									_		
Condition of Sample:			<u></u> .l.		 		Temperatu		ed:			<u> </u>			Mail origin Pacific I	al Analyt	ical Repo nental C	ort le:	Turnaround Time:
Relinquished by	<u> </u>	_		4-29-9	3 C	750	Received I	У	·-··			Date		Time	2025 Gate San Jose,			M	Friority Rush (1 day) G BTEX OLX X Rush (2 days)
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telinguished by				Date Date	i		Received b					Date		ł	25725 Jero Mission VI	nimo Rd. ejo, CA 92	#676C 2622		Standard (10 days)
						i ii ild	Jui to	y laborato		·		Date 4-29- 9	73 - 0	1me 4	1020 148th Redmond,	Ava NE#1 WA 98052	3		WASTE OIL DIESEZ As Contracted

ALCO HAZMAT

Texaco Refining and Marketing Inc 10 Universal (93 DEC - 6 PM |: 38

November 30, 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 the Quarterly Groundwater Monitoring Letter Report dated November 4, 1993, for the above former Texaco service station facility. Although the report indicates a small increase in hydrocarbon levels, Texaco feels that the large overall reductions previously seen will continue.

On October 21, 1993, I met with the property owner, Mr. Joe Howard. We discussed his concerns regarding his future plans for site improvements and he said he would proceed with site development plans. I assured Mr. Howard that Texaco would relocate the onsite wells to a suitable area in the event that their presents would interfere with his development plans.

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

Very truly yours, Texaco Refining and Marketing Inc.

Robles

Robles

Environmental Coordinator

RR:rr

Enclosure

Mr. Joe D. Howard - Property Owner
Mr. Rich Hiett - CRWQCB San Francisco Bay Area Region
Ms. L. Damian - Pacific Environmental Group
DBHill - LKim - RRZielinski

pr:



ALCO HAZMAT 93 OEC -6 PM 1: 38

November 4, 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 - Fourth Quarter 1993
Former Texaco Service Station
500 Grand Avenue at Euclid Avenue
Oakland, California

Dear Mr. Robles:

This letter presents the results of the fourth quarter 1993 groundwater sampling and analytical event conducted by Pacific Environmental Group, Inc. (PACIFIC) on October 12, 1993, at the site referenced above (Figures 1 and 2). Groundwater elevation data are presented in Table 1 and shown on Figure 1. Groundwater analytical data are presented in Table 2 and shown on Figure 2. The certified analytical report and chain-of-custody documentation are presented as Attachment A. The field and laboratory procedures are documented in a PACIFIC report dated September 24, 1993.

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 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 Élevation Contour Map

Figure 2- TPH-g/Benzene Concentration Map
Attachment A - Certified Analytical Report and
Chain-of-Custody Documentation

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

Table 1 Groundwater Elevation Data

Weli	Date	Well Elevation	Depth to Water	Groundwater Elevation*
Number	Gauged	(feet)	(feet, TOC)	(feet)
A8-WM	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	nassa viensenses, sessiosconoccio	2.53	97.19
	07/23/91		2.35	97.37
	08/22/91	x consecuence con a contra (5 % 40	2.68	97.04
	10/03/91		2.46	.9.09.09.00.00.00.00.00.00.00.00.00.00.0
87/12/06/818/05/818/818/818/818/818/81	10/24/91		2.53	97.19
	11/26/91		3.03	96.69
	12/30/91		2.28	97.44 97.15
	01/23/92		2.57 2.48	97.24
	02/28/92 03/26/92		2.40 2.13	manna annon meny mantantantantan
	04/30/92		2.19 2.10	
	04/30/92 08/03/92	w	ell Properly Aba	
200.000.000.000.000.000	90100132		en riopeny moc	1100100
MW-8B	03/29/91	101.11	0,26	100.85
	04/23/91		0.31	100.80
	06/10/91		0.42	
	06/28/91	an anima di Sina anama mana anama an anahada	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	\$454,000,000,000,000,000,000,000,000,000,
	03/26/92		0.07	
000000000000000000000000000000000000000	04/30/92	: 000 do ; 50d g 510 50d 510 510 5115	0.60	100.51
	09/28/92		Not Monitored	
::::::::::::::::::::::::::::::::::::::	11/19/92		Not Monitored	
	02/12/93		Not Monitored	
	04/01/93	W	ell Properly Aba	andoned
MW-8C	03/29/91	98.41	6.47	anconomica acconomica toda 6000 6000 6000 6000 6000 6000 6000 60
	04/23/91		6.67	stational and a section of the secti
	06/10/91		8.08	
	06/28/91		7.36	
	07/23/91		7.37 9.70	<i>00.000.00</i> 1.0000.0000.0000.0000.0000.00
	08/22/91 10/03/91		8.79 7.93	
	4145444444446		7.68	MARGO CO
	10/24/91 11/26/91		7.59	
	12/30/91		7.15	P. M. SANTAN AND AND AND ASSAURAGE AND A
tore esta 1000 (450 000 000 000 000 000 000 000 000 000	01/23/92		6.88	
	02/28/92		6.69	A CALL TRACTOR CONTRACTOR CONTRACTOR CONTRACTOR
	03/26/92	- 000 000 000 0000 0000 0000 0000 0000	6.69	
	04/30/92		5.90	ggggegegesteretereteretereteretereteretere
	09/28/92		Not Monitored	

Table 1 (continued) Groundwater Elevation Data

		Well	Depth to	Groundwater
Well	Date	Elevation	Water	Elevation*
Number	Gauged	(feet)	(feet, TOC)	(feet)
MW-8C	11/19/92		Not Monitored	
(cont.)	02/12/93		Not Monitored -	
	04/01/93	N	ell Properly Aba	indoned
MW-8E	03/29/91	99.38	3.28	96.10
	04/23/91		3.02	900000000000000000000000000000000000000
	06/10/91		3.08	
	06/28/91	on on a common on one of the common of the common one of the common of the common one of the common on	3.25	8515516455551656699000000000000000
	07/23/91		9,24	50000000000000000000000000000000000000
	08/22/91		3.48	en al la companya de
	10/03/91		3.32	Control of the Contro
000000000000000000000000000000000000000	10/24/91		3.45	VAMAAMAAAAAAAAAAAAAAAAAAAAA
	11/26/91		3,34	
	12/30/91		3.53 3.57	
	01/23/92		3.35	
	02/28/92 03/26/92		3.01	AND THE PROPERTY OF THE PROPERTY OF THE
	04/30/92		3.76	***************
	08/03/92	y	/ell Property Abo	
MW-8F	03/29/91	97.94	8,59	89.3
W117 OI	04/23/91	Control of the Contro	8.85	
	06/10/91		9,56	and a contract contra
	06/28/91	: C00000 00000	9.48	
	07/23/91		9.79	en e
DELL'ORGE HERBOERDE DE HERBOERDE DE	08/22/91	a Addition to the feet production of the contraction of the contractio	11.44	and the second s
	10/03/91		11,58	86.3
	10/24/91		11.75	i 86.19
	11/26/91		11,63	86,3
	12/30/91		10.51	accommon management to the second section in
	01/23/92		10.24	- contrator and contrator and contrator and
MANGO HEGIONIAGONIOCONCOC	02/28/92	.00000000000000000000000000000000000000	9.93	************************************
	03/26/92		8.78	The Management of the property of
	04/30/92	100000000000000000000000000000000000000	9.36	- ************************************
	09/28/92		11.83	
	11/19/92	* 0000 0000 NO 18 NO	11.22	en e
	02/12/93		9.60	Tidagaa aa ah a
9 000 x 000	05/06/93	****	8.8° * 10.14	AUDIO 000 000 000 000 000 000 000 000 000 0
	08/16/93	14.04	* 10.16 10.66	t i bedgeggeere regeringsvik wat wat water
*******	10/12/93		10.00	, 3.4
MW-8G	03/29/91		Well Inaccessib	le
19171-00	03/29/91	97.24	9,4	
g 1000000000000000000000000000000000000	06/10/91	concentration in a series (See Section 1997)	10.2	
	06/28/91		10.9	AUGUST 1000 WOMAN WOMAN 1000 1000 1000 1000 1000 1000 1000 10
	07/23/91		10.7	
	08/22/91		12.5	nsonor o podouced podržaja (1920) 2020 20
	10/03/91		13.0	
	10/24/91		13.4	ggysgaudauaus an annan an an Airl
	11/26/91		13.0	

Table 1 (continued) Groundwater Elevation Data

Well	Date	Well Elevation	Depth to Water	Groundwater Elevation*
Number	Gauged	(feet)	(feet, TOC)	(feet)
MW-8G	12/30/91		11,94	
(cont.)	01/23/92 02/28/92		11.30 10.83	85.94 86.41
	03/26/92		9.20	88.04
	04/30/92		9.00	88.24
	09/28/92		13.32	83.92
	11/19/92	y	Vell inaccessible	
	02/12/93		Vell Inaccessible	
	05/06/93		11,18	86.06
	0 8/16/93	13.32 1	egy gygyng gyng ar daeth ar d	3.81
	10/12/93		10.93	2.89
MW-8H	03/29/91	98.90	3.70	
	04/23/91		6.03	 noncontractor nonconconcondecidos
	06/10/91		3.68	A STATE OF THE STA
	06/28/91 07/23/91		3.83 3.85	95.07 95.09
	08/22/91		3.80	
	10/03/91		3.79	and a substitution of the contract of the cont
	10/24/91	9,00,000,000,000	4.02	A CONTRACTOR OF THE PROPERTY O
	11/26/91		3,88	95.0
	12/30/91		3.84	95.00
	01/23/92		3.74	95.11
	02/28/92		4.44	
	03/26/92		4,21	
	04/30/92		3.46	apraece oceanic consideration in
	09/28/92		Vell inaccessible 3.75	
	11/19/92 02/12/93		3.73 4.12	000000000000000000000000000000000000000
	05/06/93		3.85	
	08/16/93	15.04 1	000000000000000000000000000000000000000	e o contrata a contrata de la contrata del la contrata de la contrata del la contrata de la contrata del la contrata de la contrata de la contrata de la contrata de la con
	10/12/93		3.80	11.2
MW-8I	03/29/91	98.27	6.15	 A PARIO NO CONTRO DE OCUCADO DE
	04/23/91		6.29	and the state of t
8 4 6 8 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	06/10/91		6.11	92.10
	06/28/91		6.30	contrata a contrata de contrata en contra
	07/23/91		6.41 6.44	CONTRACTOR STATE OF MANY
	08/22/91 10/03/91		6.47	
	10/03/91		6,57	-casessessessessessessessessessessessesses
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11/26/91	0.000 0.000 4.0000 0.0000 0.0000 0.0000	6.58	•
	12/30/91		6.41	The state of the s
	01/23/92		6.33	
	02/28/92		6.55	
50100000000000000000000000000000000000	03/26/92	9000 0 1000 0 1000 0 100 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6.45	en en la lace de la companya de la c
	04/30/92		6.48	
	09/28/92		Well Inaccessibl	
346603000000000000000000000000000000000	11/19/92	ergergegeers work was a re-	6.37	91,9

Table 1 (continued) Groundwater Elevation Data

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

Well	Date	Well Elevation	Depth to Water	Groundwater Elevation*
Number	Gauged	(feet)	(feet, TOC)	(feet)
MW-8I	05/06/93	, , , , , , , , , , , , , , , , , , ,	6.36	19,19
(cont.)	08/16/93	14.40	6.35	8.05
	10/12/93		5.99	8.41
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
	07/23/91		6,67	91.02
	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		Vell Inaccessible	
	11/19/92	van	6.55	91.14
	02/12/93		7,46	AND
	05/06/93	A.V.A.V.A.V.A.V.A.V.A.V.A.C.C.C.C.C.C.C.	6.21	91.48
	08/16/93	13.82	· · · • · · · • · · · • · · · · • • • ·	tilde til for til delta menden en sen men
and who have a construction of the constructio	10/12/93		5.87	7.95

MW-8K	08/16/93	15.18	000000000000000000000000000000000000000	
	10/12/93		1,95	13.23
MW8L	08/16/93	14,44	* 2.47	Carried and the control of the contr
	10/12/93		2.36	12.08

New well elevation survey performed on August 16, 1993 based on mean sea level (MSL). Prior data based on arbitrary site data.

TOC = Top of casing

Table 2

Groundwater Analytical Data Total Petroleum Hydrocarbons

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

		TPH as			Ethyl-		TPH as	. TPH as
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	Diesel	Other*
Number	Sampled	(ppb)	(ppb)	(ppb)	(dqq)	(ppb)	(ppb)	(ppm)
MW-8A	06/14/88	NA NA	<0.5	1.5	<2	6.6	NA.	NA NA
	10/25/88	NA	<0.5	<1	<2	<1	NA	- -₩ A
	09/28/89	<50	<0.5	<0.5	<0.5	<8	NA.	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		NA NA	2,800
200000000000000000000000000000000000000	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 	< 5 0
	10/18/90	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	01/08/91	<30	<0,3	<0.3	<0.8	<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 -500
	04/30/92	<50	<0.5	<0.5	< 0.5	<0.5	<50	<500
	08/03/92		800000000000000000000000000000000000000	······································	Properly Ab	anconed -		
MW-8B	0014460	LIA				<1	NA:	NA
··MIXXOO	06/14/88	NA NA	<0.5	<1	≺2 <2	3.1	NA NA	NA NA
	10/21/88 09/28/89	NA ≪50	<0.5 <0.5	<1 <0.5	<2.5	3.1 <3	NA NA	NA NA
	11/29/89	₹50	<0.5 <0.5	<0.5	<0.5	<0.5	<50	380
	01/24/90	<100	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5	NA	350 350
	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 <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	<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	SUSSESSESSESSESSESSESSESSESSESSESSESSESS	<50	<500
	10/24/91	<50	<0.5	<0.5	<0.5		<50	<500
	01/23/92	<50	<0.5	<0.5	<0.5	a succession and applications	550	NA
000000000000000000000000000000000000000	04/30/92	<50	<0.5	< 0.5	<0.5	<0.5	<50	<500
	09/28/92				Not Sample	0.0000000000000000000000000000000000000		
2.00.000010000.0004000	11/19/92				- Not Sample		·	
	02/12/93				· Not Sample	والمتحال والمتحال والمتحال والمتحال والمتحال والمتحال والمتحال		
,	04/01/93			Well	Properly Ab	andoned -		
						77.60.000.000.000		
MW-8C	06/14/88	NA	5.3	3.5	2.6	13.0	NA.	NA
	10/21/88	NA	<0.5	<1	<2	~	NA	NA
	09/28/89	<50	<0.5	<0.5	<0.5	<3.0	NA	NA
	11/29/89	<50	need receive on necessories.	eranda erand	<0.5	er eg er engele ett ett at a	<50	190
	01/24/90	<100	0.9		<0.5		NA	480
	04/26/90	<50			<0.5	 a servicio de la consecución del la consecución del la consecución de la consecución de la consecución de la consecución del la consecución de la consecución de	<50	160
	07/26/90	<50			<0.5		<50	<50
	10/18/90	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	01/08/91	<30			<0.3		76	110
	04/23/91	800			3.7	19	<50	<500
	07/23/91	<50		0.6	<0.5		<50	< 500
	10/24/91	<50	,508,658,658,658,0558,658,658,658,6	<0.5	<0.5	<0.5	<50	<500
	01/23/92	<50			<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*)

		TPH as			Ethyl –		TPH as	TPH as
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	Diesel	Other*
Number	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)
MW-8C	04/30/92	<50	<0.5	<0.5	<0.5	< 0.5	150	<500
(cont.)	09/28/92				Not Sample	id		
	11/19/92				Not Sample	id		
	02/12/93				Not Sample			
	04/01/93			Well	Properly Abo	andoned -		
			1011 000000000000000000000000000000000	oneman anadygovacai		100001000100000 <u>000</u> 00	00000000000000 <u>0000</u> 0000	
MW-8E	10/25/88	NA	1,400	510	2.9	420	NA NA	NA NA
50:50:50:50:50:50:50:50:50:50:50:50:50:5	09/28/89	22,000	5,600	3,100	<500	<3,000	NA C 000	NA
	11/29/89 01/24/90	15,000 36,000	4,900 10,100	2,600 3,340	<250 540	1,490 1,790	6,800 NA	<50 4,900
************	01/24/90	48,000	11,000	e anno en	840	2,800	1,400	4,500 <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 Ab	andoned -		
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
000000000000000000000000000000000000000	04/26/90	<50	<0.5	<0.5	<0.5	<0.5	<50	110
	07/26/90	<50	<0.5	energy control of the	<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		380	620
	04/23/91	<50	5.9	000000000000000000000000000000000000000	<0.5	2.7	1,400	3,200
	07/23/91	<50	<0.5		<0.5		- 60	<500 -500
88080000000000000000000000000000000000	10/24/91	<50	<0.5	<0.5	<0.5	<0.5 1.9	<50	<500 NA
/*************************************	01/23/92	₹50	4.0	for the property services and the	<0.5	<0.5	1,300	
	04/30/92	<50	<0.5	<0.5	<0.5	<0.5 <0.5	<50	NA
	09/28/92	<50 <50	<0.5 <0.5	≪0.5 <0.5	<0.5 <0.5	<0.5	NA NA	NA
	11/19/92 02/12/93	<50 <50	<0.5	000000000000000000000000000000000000000	<0.5	<0.5 <0.5	<0.5	NA.
	05/06/93	<50	<0.5		<0.5		<100	<50
	08/16/93	<50	000000000000000000000000000000000000000	A STATE OF THE PROPERTY OF THE	<0.5	ar an	<50	<50
	10/12/93	<50	<0.5		<0.5		<50	<50
MW-8G	04/14/88	NA	<0.5	<1	<2	<1	NA	NA
	09/28/89		<0.5	and the second term to be a second to the second	<0.5	A CONTRACTOR CONTRACTO	NA	NA
a a a a a a a a a a a a a a a a a a a	11/29/89	<50	<0.5		<0.5	,	<50	<50
	01/24/90	206006006000064460000646	666 600 440 600 600 600 600 600) 2016 N. G. S. G. S	<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

Table 2 (continued) Groundwater Analytical Data

Total Petroleum Hydrocarbons

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

144. **		TPH as	D	- -10	Ethyl-	V.d	TPH as	TPH as
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	Diesel	Other*
Number	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)
MW-8G	04/23/91	<50	0.9	0.9	<0.5	<0.5	1,100	<500
(cont.)	07/23/91	<50	0.5	1,5	<0.5	3.0	<50	- <500
0.000000000000000000000000000000000000	10/24/91	<50	0.6	<0.5	<0.5	<0.5	NA AAA	NA
	01/24/92	<50	<0,5	<0.5	<0.5	<0.5	980	NA <500
Sec. 2011 (1991)	04/30/92	<50	1.7	<0.5	<0.5	<0.5	<50	~ 500
	09/28/92				Well Dr			
	11/19/92				Well Inacce Well Inacce	*****************		
	02/12/93	 <50	<0.5	<0.5	<0.5		64 *	* <25
	04/29/93 08/16/93	<50 <50	<0.5 <0.5	<0.5	<0.5	anarena espetatorio de la contra	<50	\≥0 <50
	10/12/93	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	10/12/83	~~	~0.5	~0.0	~0.0	~~.		
MW-8H	01/24/90	460	14.8	14.8	10.8	38.8	NA	<300
	04/26/90	830	67	and the second of the second o	43	NUMBER OF THE PROPERTY OF	<50	820
k 0.000 01.0000 0.0000 0.00000	07/26/90	190	45	1.3	. 12	8.2	<50	<50
	10/18/90	300	 17	2.5	14	000000000000000000000000000000000000000	<50	<50
000000000000000000000000000000000000000	01/08/91	320	12	2.2	6.4	4.0	180	89
	04/23/91	<50	1.5	<0.5	<0.5	versioner in section and a section and a section of the section of	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	grand and the state of the state of the	90	<500
***	09/28/92				- Well Inacce			
	11/19/92	130	6.8	<0.5	1.1	and the contract of the contra	NA	NA
200000000000000000000000000000000000000	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
	08/16/93	<50	0.5	<0.5	0.5	1.4	<50	<50
	10/12/93	<50	<0.5	<0.5	<0.5	<0,5	<50	<50
st 885880 . 100 0000		:00:00:00:00:00:00: <u>00:00:00</u>	*******************	55.0075.000.00 <u>0</u> 00 <u>0</u> 00 <u>0</u> 00	000000000000000000000000000000000000000			× 6 (
MW∺BI	01/24/90	580	116				NA .	440
	04/26/90	4,400	2,400	100	230	SECULTIVE SHEETS AND HORSE	<50	1,400
	07/26/90	<50	<0.5		<0.5		<50 <50	<50
	10/18/90	530	92	500000000000000000000000000000000000000	37 88	sadan a an an alama Anada a a a a	<50	<50 210
	01/08/91	1,300	500	control control control control	36	anno ann a' an ann a'	710	
	04/23/91	1,500	1,600	17	100	nnon en muddodddddddd	1,100 260	900 ≺500
	07/23/91	1,700 760	1,600		140 76		200 230	<500
	10/25/91		470	000000000000000000000000000000000000000	2000/000000 tod 01600/000	55050 11 50000 0000 0000	230 210	< SUL NA
	01/23/92	820 3 300			27 180		430	
	04/30/92	2,200	1,800	and and any area of the best of the	ell inaccessi	reveniment des expectations		
	09/28/92	700	400	era como como escentra esca-	en maccessi 29		NA	N/
	11/19/92	720	120 970		000000000000000000000000000000000000000	A CONTRACTOR OF THE PROPERTY O	NANANANANANANANANANANANANANANANANANANA	Ň
	02/12/93	4,000			occopia de la compania del compania del compania de la compania del la compania de la compania del la compa	A.A.	No abberrare conservation respectively.	<50
	05/06/93	1,400 250	king a kanana sa	xxxxxxxxxxxxxxxxx	200200000000000000000000000000000000000	desdece estadológica de	<50	 <5
12:000000000000000000000000000000000000	08/18/93	<50 <50	1.4		<0.5		<50	<5
	10/12/93	₹30	1.4	~0.0	~5. 5			
MW-8J	01/24/90	<100	2.7	<0.5	1	2,6	NA	<30
171.FY — OJ	01/24/90	160	A CONTRACTOR AND A CONT	MANAMANGAGGGGGGGGGG	AN INVADED COCCUSSION DOS	NAMES AND ADDRESS AND ADDRESS OF THE PARTY O	anna ann an ann ann ann athairt an Gal	32
7.4733 8332038388888888	07/26/90	<50	,		<0.5		<50	<5
	****************	sne ano non un pronéro de docado de de de	160000000000000000000000000000000000000	-000-000-000-0000000-000-00	544646666666666666644664	046046060606060660000		<5
**********************	10/18/90	<50	8.3	9999999999	and the second second			eccesses60000000000000000000000000000000

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

		TPH as			Ethyl-		TPH as	TPH as
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	Diesel	Other*
Number	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)
LB-WM	04/23/91	300	16	22	9.8	4.6	550	<500
(cont.)	07/23/91	<50	4.6	<0.5	3.1	<0.5	<50	-<500
	10/24/91	<50	8.0	<0.5	<0.5	<0.5	<50	<500
	01/23/92	<50	8.0	<0.5	<0.5	<0.5	<50	NA
	04/30/92	<50	2.3	<0.5	<0.5	<0.5	€50	<500
	09/28/92			\	Veli Inaccess	sible		
	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
	08/16/93	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	10/12/93	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
MW-8K	05/21/93	54	12	≪0.5	<0.5	<0.5	<50	<50
	08/16/93	<50	<0.5	<0.5	1	<0.5	<50	<50
	10/24/93	<50	4.2	<0.5	<0.5	≮0. 5	<50	<50
MW-BL	05/21/93	76	1.1	≼ 0.5	<0.5	6	<50	<50
	08/16/93	<50	<0.5	<0.5	0.7	1.1	<50	<50
	10/12/93	110	13	<0.5	6.2	< 0.5	<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
				1	Well Abando	ned		
OB-4	11/06/89	4,000	500	11	10	24	NA	N
	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

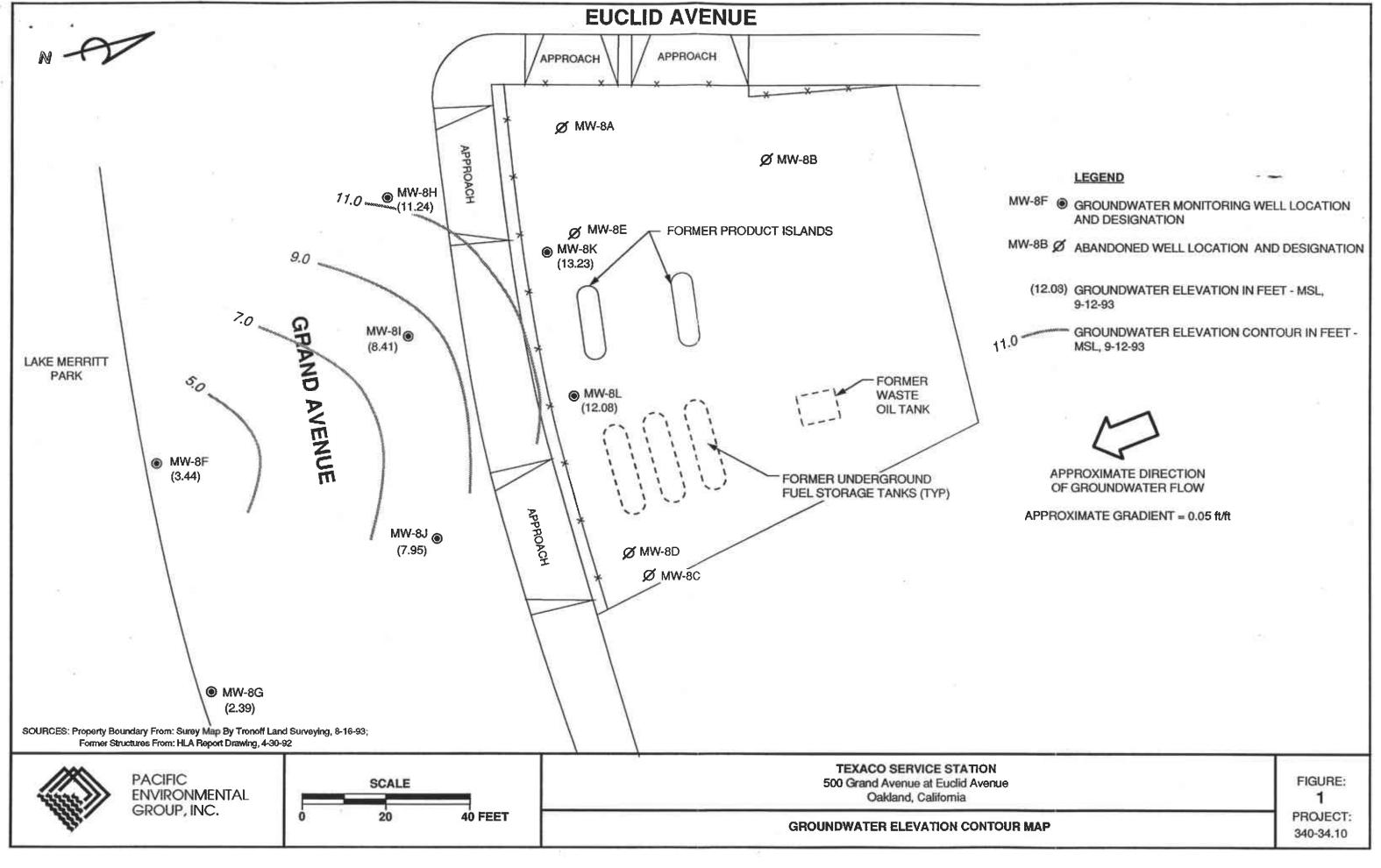
ppb = Parts per billion

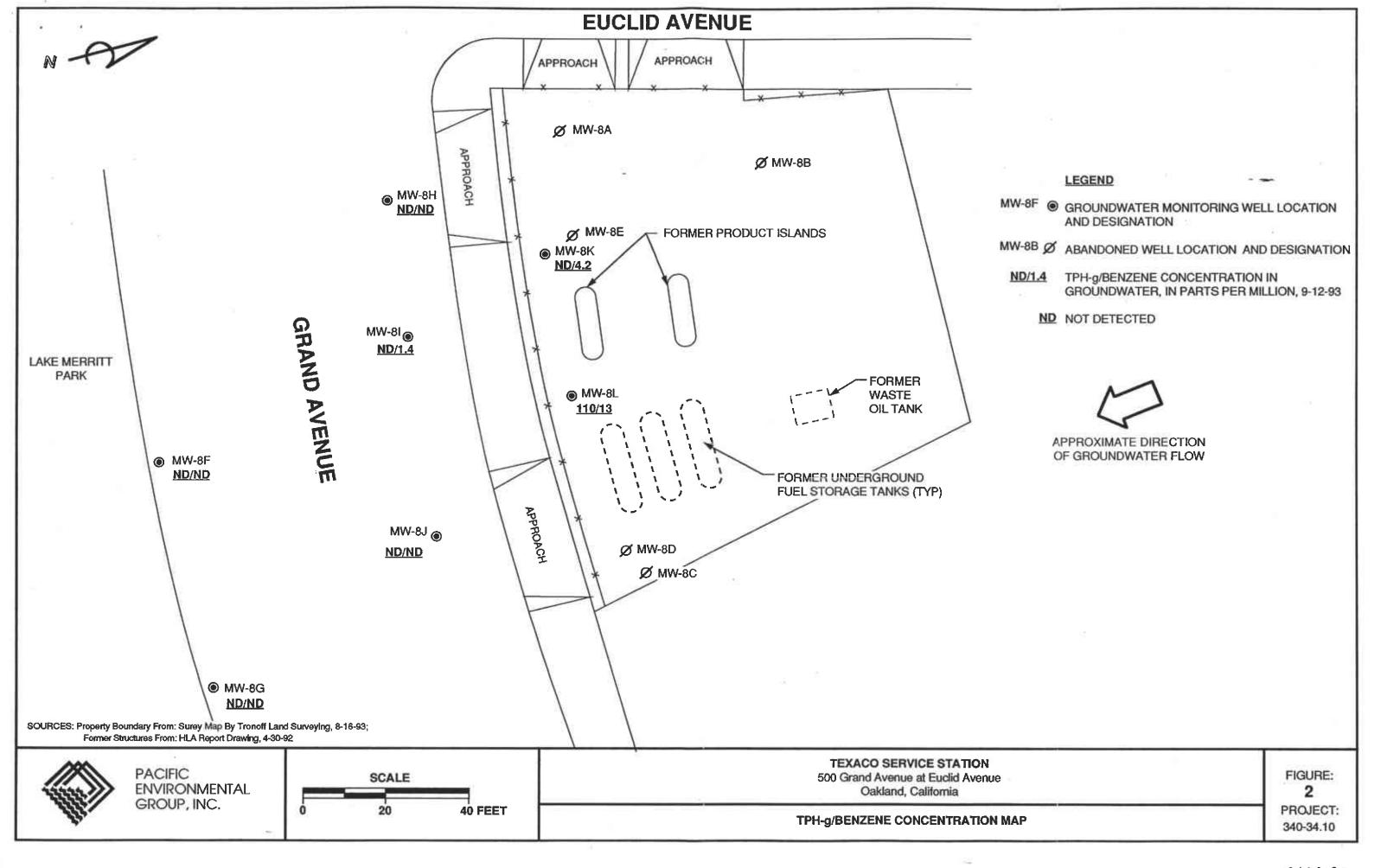
ppm = Parts per million

NA = Not analyzed

^{* =} 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.



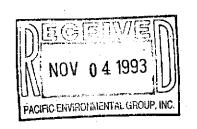


ATTACHMENT A

CERTIFIED ANALYTICAL REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION



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



340-34.10\1428\013045

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

Date Sampled: 10-12-93 Date Received: 10-13-93 Date Analyzed: 10-15-93

Sample Number
----103303

Pacific Contact

Sample Description
-----Project # 340-34.10
Texaco - Oakland
500 Grand Ave.
MW8F(14') 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

QA/QC: Spike Recovery is 82%

Note:

Analysis was performed using EPA methods 5030 and TPH

LUFT with method 602 used for BTX distinction.

 $(ppb) = (\mu q/L)$

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340-34.10\1428\013045

Pacific Environmental Group, Inc. 2025 Gateway Place, Suite 440

San Jose, CA 95110 Attn: Maree Doden

Pacific Contact

Date Sampled: 10-12-93 Date Received: 10-13-93 Date Analyzed: 10-18-93

Sample Number

103304

Sample Description

Project # 340-34.10 Texaco - Oakland 500 Grand Ave.

MW8G(14') 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.

 $(ppb) = (\mu q/L)$

MOBILE CHEM LABS

Ronald G. Evans

Lab Director



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340-34.10\1428\013045

Pacific Environmental Group, Inc. 2025 Gateway Place, Suite 440 San Jose, CA 95110

Attn: Maree Doden Pacific Contact

Date Sampled: 10-12-93 Date Received: 10-13-93 Date Analyzed: 10-18-93

Sample Number

103305

Sample Description

Project # 340-34.10 Texaco - Oakland 500 Grand Ave.

MW8H(12') 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.

 $(ppb) = (\mu g/L)$

MOBILE CHEM LABS

Alwano



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340-34.10\1428\013045

Pacific Environmental Group, Inc. 2025 Gateway Place, Suite 440

San Jose, CA 95110 Attn: Maree Doden

Pacific Contact

Date Sampled: 10-12-93 Date Received: 10-13-93

Date Analyzed: 10-15-93

Sample Number

103306

Sample Description

Project # 340-34.10 Texaco - Oakland

500 Grand Ave.

MW8I(13') W

WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb 50	ppb
Total Petroleum Hydrocarbons as Gasoline	50	<50
Benzene	0.5	1.4
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.

 $(ppb) = (\mu g/L)$

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340-34.10\1428\013045

Pacific Environmental Group, Inc. 2025 Gateway Place, Suite 440 San Jose, CA 95110

Attn: Maree Doden

Pacific Contact

Date Sampled: 10-12-93 Date Received: 10-13-93 Date Analyzed: 10-15-93

Sample Number

103307

Sample Description

Project # 340-34.10 Texaco - Oakland 500 Grand Ave.

MW8J(12') WA

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.

 $(ppb) = (\mu g/L)$

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340-34.10\1428\013045

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

Date Sampled: 10-12-93 Date Received: 10-13-93 Date Analyzed: 10-15-93

Sample Number
----103308

Sample Description
-----Project # 340-34.10
Texaco - Oakland
500 Grand Ave.
MW8K(15') WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	<50
Benzene	0.5	4.2
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) = $(\mu q/L)$

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340-34.10\1428\013045

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

Date Sampled: 10-12-93 Date Received: 10-13-93 Date Analyzed: 10-15-93

Sample Number
----103309

Sample Description
----Project # 340-34.10
Texaco - Oakland
500 Grand Ave.
MW8L(16') WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb 50	ppb
Total Petroleum Hydrocarbons as Gasoline	50	110
Benzene	0.5	13
Toluene	0.5	<0.5
Xylenes	0.5	<0.5
Ethylbenzene	0.5	6.2

QA/QC: Duplicate Deviation is 4.8%

Note:

Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.

 $(ppb) = (\mu g/L)$

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340-34.10\1428\013045

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

Pacific Contact

Date Received: 10-13-93

Date Sampled: 10-12-93

Date Analyzed: 10-15-93

Sample Number

103310

Sample Description

Project # 340-34.10 Texaco - Oakland

500 Grand Ave.

TB-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.

 $(ppb) = (\mu g/L)$

MOBILE CHEM LABS



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

340-34.10\1342\013045

Pacific Environmental Group, Inc. 2025 Gateway Place, Suite 440

San Jose, CA 95110 Attn: Maree Doden

Pacific Contact

Date Sampled: 10-12-93 Date Received: 10-13-93

Date Analyzed: 10-15-93

Sample Number	Sample Description	Detection Limit ppb	WATER Total Petroleum Hydrocarbons as Diesel ppb
	500	aco - Oakland Grand Avenue ject No.: 34	•
103303	MW-8F(14')	50	<50
103304	MW-8G(14')	50	<50
103305	MW-8H(12')	50	<50
103306	MW-8I(13')	50	<50
103307	MW-8J(12')	50	<50
103308	MW-8K(15′)	50	<50
103309	MW-8L(16')	50	<50

QA/QC: Spike Recovery on 103309 is 114%

Duplicate Deviation on 103309 is 7.5%

Note: Analysis was performed using EPA method 3510 and TPH LUFT.

 $(ppb) = (\mu g/L)$

MOBILE CHEM LABS



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

340-34.10\1223\013045

Pacific Environmental Group 2025 Gateway Place, #440 San Jose, CA 95110

Attn: Maree Doden

Pacific Contact

Date Sampled: 10-12-93 Date Received: 10-13-93

Date Analyzed: 10-14-93

	WATER

Sample Number	Sample Description	Detection Limit	Gravimetric Waste Oil as Petroleum Oil
		ррш	ppm
	Pro	eject # 340-34.	10

Texaco - Oakland 500 Grand Ave.

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103303	MW-8F(14')	50	<50
103304	MW-8G(14')	50	<50
103305	MW-8H(12')	50	<50
103306	MW-8I(13')	50	<50
103307	MW-8J(12')	50	<50
103308	MW-8K(15')	50	<50
103309	MW-8L(15')	50	<50

QA/QC: Spike Recovery on 103307 is 95%

Duplicate Deviation on 103307 is 1.6%

Note:

Analysis was performed using EPA extraction method 3550 with Trichlorotrifluoroethane as solvent, and gravimetric

determination by standard methods 5520

(ppm) = (mq/kq)

MOBILE CHEM LABS

PROJECT No. 34			4,10		Chain of Custody										2025	Pacific Environmental Group, Inc. 2025 Gateway Place #440, San Jose CA 95110 Phone 408 441 7790 Fax 408 441 7539				
acility No. TEX			V-1	·	Facility	Facility Address: Soo GRAND A						۵	AKI		\mathcal{D}	Billing	Refe	nce Nu	mbor	
LIENT engineer:	<u>B</u> _	Krbri	E 9		PACIF	C Point o	f Contact:	m.J	60C	<u>=</u>	Samp	ler:	. R	AUS.	NI YE	Labor	atory I	Name:	MOBILE CH	F11
				W=water															Comments:	<u> </u>
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