

EXXON COMPANY, U.S.A.

P.O. BOX 4032 . CONCORD, CA 94524-2032

ENVIRONMENTAL ENGINEERING

MARLA D. GUENSLER

(510) 246-8776

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October 12, 1994

HAZMAT
94 OCT 14 PM 3:06

138

Mr. Barney Chan
Alameda County Health Agency, Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 350
Oakland, CA 94621

RE: Former Exxon RAS #7-3006; 720 High St., Oakland, CA

Dear Mr. Chan:

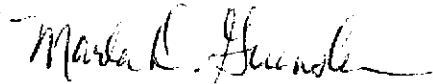
Attached for your review and comment is a letter report entitled Letter Report Quarterly Groundwater Monitoring for the above referenced site. This report, prepared by RESNA Industries, Inc., of Fremont, California, details the results of the groundwater monitoring events which occurred April through June 1994.

Please note that the environmental project file for this site was transferred during the third quarter to Environmental Resolutions, Inc., of Novato, California. The consultant contact will be Mr. Marc Briggs, who can be contacted at (415) 382-9105.

Exxon apologizes for the delay in submitting the attached report. Future report submittals will be expedited as a result of the file transfer.

If you have any questions or comments, please contact me at the above listed phone number.

Sincerely,



Marla D. Guensler
Senior Environmental Engineer

MDG/mdg

attachment: RESNA Letter Report Dated June 28, 1994

cc: w/attachment:
Mr. Richard Hiatt - San Francisco Bay Region CRWQCB



42501 Albrae Street, Suite 100
Fremont, California 94538
Phone: (510) 440-3300
FAX: (510) 651-2233

LETTER REPORT
QUARTERLY GROUNDWATER MONITORING
Second Quarter 1994
Former Exxon Station 7-3006
720 High Street
Oakland, California

130006.99

42501 Albras Street, Suite 100
Fremont, California 94538
Phone: (510) 440-3300
FAX: (510) 651-2233

June 28, 1994

Ms. Marla D. Guensler
Exxon Company U.S.A.
P.O. Box 4032
2300 Clayton Road
Concord, California 94520

Subject: Quarterly Groundwater Monitoring, Second Quarter 1994
Former Exxon Station 7-3006
720 High Street, Oakland, California.

Ms. Guensler:

At the request of Exxon Company U.S.A. (Exxon), RESNA Industries Inc. (RESNA) performed the second quarter 1994 groundwater monitoring at the subject site (Plate 1, Site Vicinity Map). The objectives of groundwater monitoring are to evaluate: groundwater elevations, gradient and flow direction; the presence and thickness of any liquid-phase hydrocarbons; and the distribution of dissolved petroleum hydrocarbons in groundwater.

GROUNDWATER MONITORING AND SAMPLING

On May 10, 1994, RESNA measured the depth to water in monitoring wells MW-1, MW-3, MW-7 through MW-15, and vapor wells VW-1, VW-2, and VW-3. Groundwater samples from all wells monitored were subjectively analyzed for the presence of liquid phase hydrocarbons. Groundwater samples were collected from wells MW-1, MW-7, and MW-10 through MW-15 for laboratory analysis. RESNA's groundwater sampling protocol and well purge data sheets are in Appendix A, Groundwater Sampling Protocol and Well Purge Data Sheets.

Wells MW-2 through MW-4, MW-6 and MW-8 had sheen and therefore were not purged or sampled. In addition, wells MW-2, MW-4, and MW-6 were not monitored for depth to water (DTW) because they contained product skimmers. Because the product skimmers were removed during this sampling event, wells MW-2, MW-4 and MW-6 will be monitored next quarter. Well MW-9 is sampled annually during the fourth quarter.

Based on May 10, 1994, DTW measurements, groundwater elevations in the wells at the site have increased an average of approximately 1.2 feet in wells MW-1, MW-3, MW-7, MW-8, MW-10 through MW-13, and MW-15 since last quarter. The groundwater appears to have northwesterly and southwesterly components with an overall flow toward the west and a hydraulic gradient of 0.02 (Plate 2, Groundwater Gradient and Chemical Concentrations). Historical and recent monitoring data are summarized in Table 1, Cumulative Groundwater Monitoring and Sampling Data.

LABORATORY ANALYSES AND RESULTS

Groundwater samples were submitted to Pace Incorporated Laboratories (California State Certification Number 1282) in Novato, California, under chain of custody protocol. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, total xylenes, and total petroleum hydrocarbons as diesel (TPHd), using the methods listed in the notes in Table 1. Wells MW-7 and MW-14 were also analyzed for Stoddard Solvent using the methods listed in the notes of Table 1. The laboratory analysis reports and chain of custody records are in Appendix B, Laboratory Analysis Reports and Chain of Custody Records.

Results of laboratory analysis of groundwater samples are shown on Plate 2, and are summarized in Table 1. Selected analytical results are summarized below if the concentrations detected are greater than the method detection limits (MDLs) for TPHg, TPHd, and Stoddard Solvent; the California Department of Health (DHS) maximum contaminant levels (MCLs) for benzene, ethylbenzene, or total xylenes; and the DHS drinking water action level (DWAL) for toluene, as listed in Table 1.

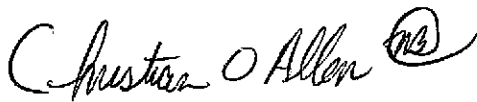
- Concentrations of TPHg were greater than the MDL in well MW-7 and wells MW-12 through MW-15.
- Concentrations of TPHd were greater than the MDL in wells MW-1, MW-7, and MW-11 through MW-15.
- Concentrations of benzene were greater than the MCL in well MW-7 and wells MW-12 through MW-15.
- Concentrations of toluene, ethylbenzene, and total xylenes were greater than their respective DWAL or MCLs in wells MW-12 and MW-13.
- The concentrations of Stoddard Solvent were greater than the MDL in wells MW-7 and MW-14.

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental geological practice in California at the time this investigation was performed. This report has been prepared for Exxon Company U.S.A. and any reliance on this report by third parties shall be at such party's sole risk.

If you have any questions or comments regarding this report, please call (510) 440-3300.

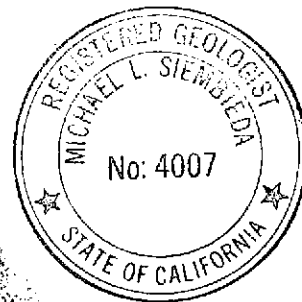
Sincerely,
RESNA Industries Inc.



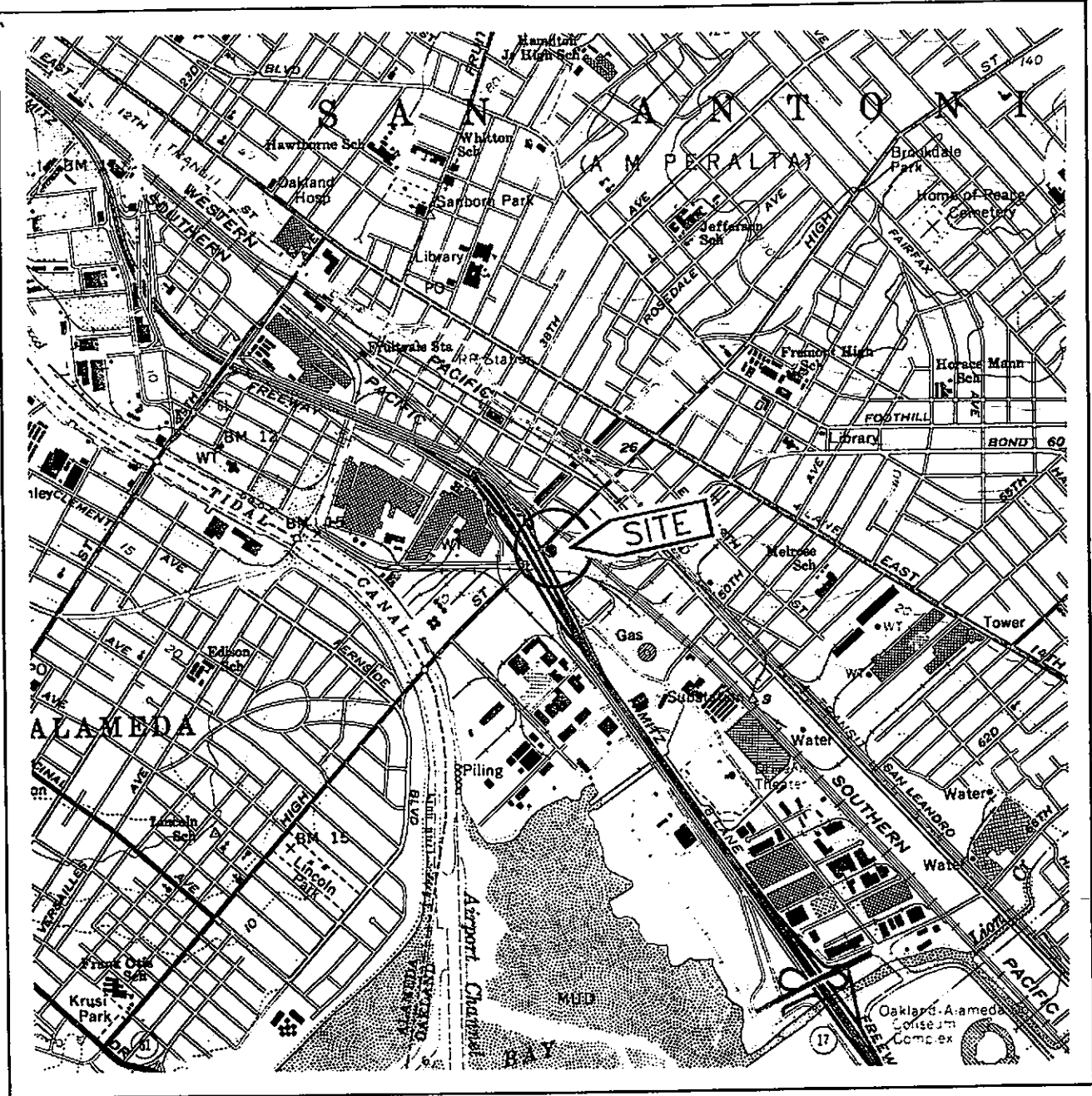
Christian O. Allen
Geologic Technician



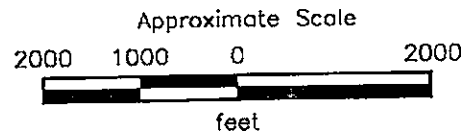
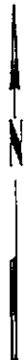
Michael L. Siembieda, R.G. 4007
Geoscience Manager



- Enclosures: Plate 1: Site Vicinity Map
Plate 2: Groundwater Gradient and Chemical Concentrations
- Table 1: Cumulative Groundwater Monitoring and Sampling Data
- Appendix A: Groundwater Sampling Protocol and Well Purge Data Sheets
Appendix B: Laboratory Analysis Reports and Chain of Custody Records



Source: U.S. Geological Survey
 7.5-Minute Quadrangle
 Oakland East, California
 Photorevised 1980



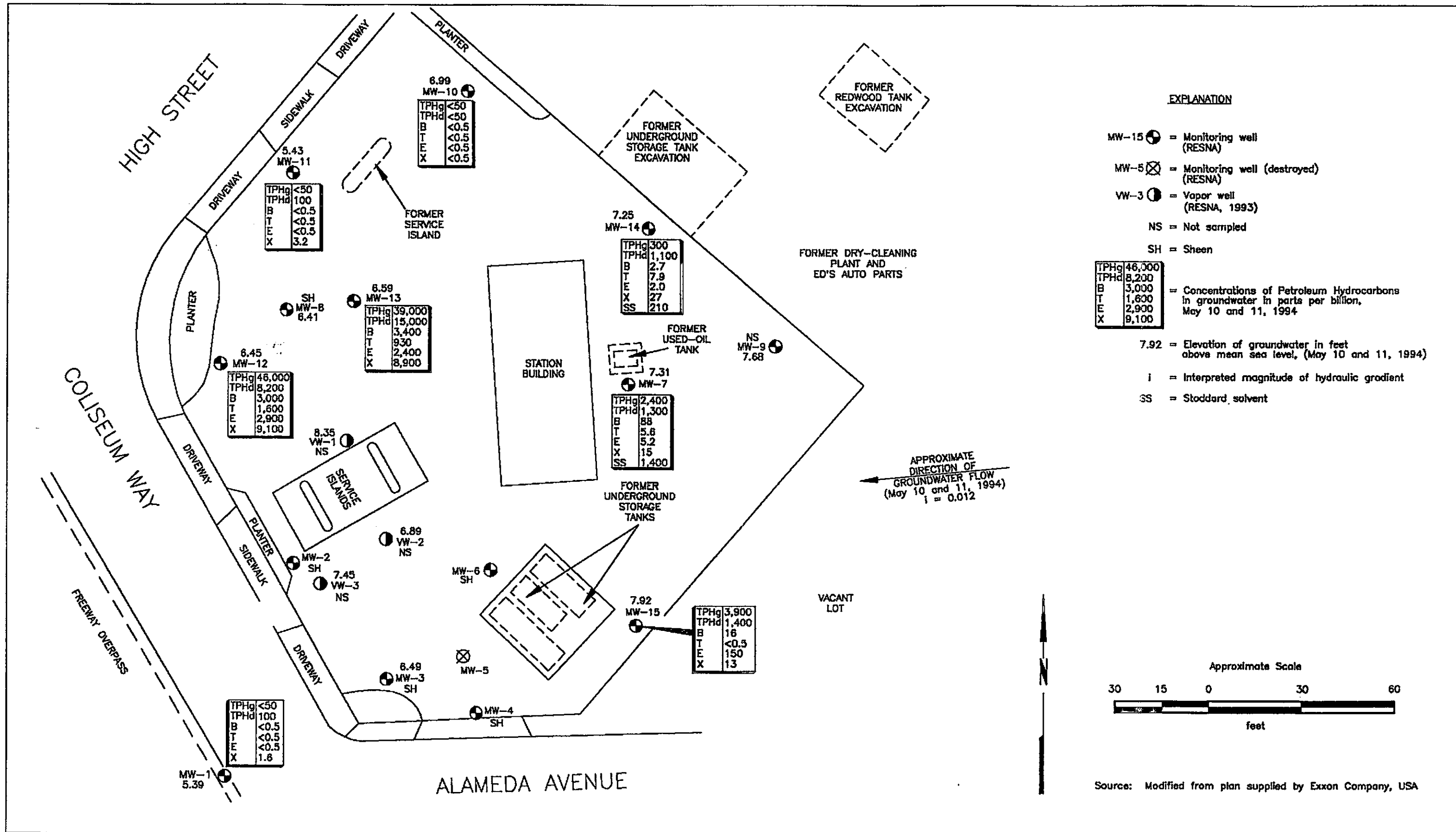
RESNA
 Working to Restore Nature

SITE VICINITY MAP
 Former Exxon Station 7-3006
 720 High Street
 Oakland, California

PLATE

1

PROJECT 130006.20



PROJECT 130006.20

GROUNDWATER GRADIENT AND
CHEMICAL CONCENTRATIONS
Exxon Station 7-3006
720 High Street
Oakland, California

PLATE

2

**TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Exxon Service Station 7-3006
720 High Street, Oakland, California
(Page 1 of 27)

Well ID # (TOC)	Sampling Date	SUBJ <	DTW feet	Elev. >	TPHg <	B	T	E	X	TPHd	VOCs	TOG >
								parts per billion				
MW-1 (12.87)	05/88		NM	NM	---	240	90	5	15	25	NA	NDNA
	04/25/89	NLPH	7.55	5.32#								
	04/27/89	Sheen	10.16	2.71#								
	09/06/89	Sheen	10.88	1.99#								
	09/22/89	NLPH	11.06	1.81#								
	11/01/89	NLPH	10.82	2.05#								
	11/15/89	NLPH	11.07	1.80#								
	12/06/89	NLPH	10.33	2.54	630	12	5.6	3.7	25	240	NA	NA
	02/20/90	NLPH	8.81	4.06#								
	04/19/90	NLPH	9.33	3.54	<20	<0.5	<0.5	<0.5	<0.5	<100	NA	NA
	07/03/90	NLPH	8.44	4.43	130	6	<0.5	<0.5	<0.5	160	NA	NA
	07/26/90	NLPH	8.99	3.88#								
	08/20/90	NLPH	9.50	3.37#								
	09/19/90	NLPH	9.99	2.88#								
	11/27/90	NLPH	10.62	2.25	<50	0.7	<0.5	<0.5	<0.5	<100	NA	NA
	01/17/91	NLPH	10.31	2.56#								
	03/26/91	NLPH	7.79	5.08	<50	<0.5	<0.5	<0.5	<0.5	<100	NA	NA
	05/02/91	NLPH	8.88	3.99#								
	06/20/91	NLPH	9.62	3.25	<50	<0.5	<0.5	<0.5	<0.5	<100	NA	NA
	08/07/91	NLPH	10.20	2.67#								
	09/17/91	NLPH	10.40	2.47	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	11/13/91	NLPH	10.20	2.67#								
	12/10/91	NLPH	10.23	2.64	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	01/21/92	NLPH	9.32	3.55#								
	03/25/92	NLPH	9.30	3.57	<50	1.5	<0.5	<0.5	<0.5	<50	NA	NA
	06/22/92	NLPH	8.46	4.41	110	4.9	7.9	3.7	21	75	NA	NA

See Notes on page 27 of 27.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station 7-3008
 720 High Street, Oakland, California
 (Page 2 of 27)

Well ID # (TOC)	Sampling Date	SUBJ <	DTW feet	Elev. >	TPHg <	B	T	E	X	TPHd	VOCs	TOG >	
								parts per billion					
MW-1 cont. (12.87)	09/24/92	NLPH	9.61	3.26	<50	<0.5	0.6	<0.5	<0.5	<50	NA	NA	
	10/14/92	NLPH	9.85	3.02#									
	11/16/92	NLPH	9.85	3.22#									
	12/08/92	NLPH	9.30	3.57	170	10	<0.5	<0.5	0.6	51	NA	NA	
	01/27/93	NLPH	6.13	6.74#									
	02/18/93	NLPH	6.07	6.80#									
	03/10/93	NLPH	6.12	6.75	<50	<0.5	<0.5	<0.5	<0.5	140	NA	NA	
	04/06/93	NLPH	5.84	7.03#									
	05/28/93	NLPH	7.27	5.60#									
	06/10/93	NLPH	7.40	5.47	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	07/17/93	NLPH	8.08	4.79#									
	08/11/93	NLPH	8.54	4.33	<50	<0.5	<0.5	<0.5	<0.5	NA	ND	NA	
						NA	<5'	<5'	<5'	<5'	<50 ²	ND	NA
		09/01/93	NLPH	8.80	4.07#								
		10/26/93	NLPH	9.41	3.46	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
		11/12/93	NLPH	9.48	3.39#								
		12/27/93	NLPH	8.62	4.25#								
		01/20/94	NLPH	9.25	3.62#								
		02/02-03/94	NLPH	8.60	4.27	<50	<0.5	<0.5	<0.5	0.7	70	NA	NA
		03/10/94	NLPH	8.31	4.56#								
	04/22/94	NLPH	7.95	4.92#									
	05/10-11/94	NLPH	7.48	5.39	<50	<0.5	<0.5	<0.5	1.6	100	NA	NA	
	06/27/94	NLPH	7.65	5.22#									
MW-2 (12.98)	09/87	NM	NM	---	1,445	233	810	56	209	NA	NA	NA	
	05/88	LPH	NM	---									
	04/25/89	2.16[NR]	9.27	5.44#									

See Notes on page 27 of 27.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station 7-3006
 720 High Street, Oakland, California
 (Page 3 of 27)

Well ID # (TOC)	Sampling Date	SUBJ <	DTW feet	Elev. >	TPHg <	B	T	E	X	TPHd	VOCs	TOG >
								parts per billion				
MW-2 cont.	07/19/89	1.56[NR]	10.81	3.42#								
(12.98)	07/27/89	0.13[NR]	10.18	2.90#								
	09/06/89	0.09[NR]	10.89	2.16#								
	09/22/89	0.56[NR]	11.56	1.87#								
	11/01/89	0.09[NR]	10.85	2.20#								
	11/15/89	0.07[NR]	11.05	1.99#								
	12/06/89	0.13[NR]	10.23	2.85#								
	02/20/90	0.29 [NR]	8.86	4.35#								
	04/19/90	0.10 [NR]	9.09	3.97#								
	07/03/90	0.05 [NR]	8.75	4.27#								
	07/26/90	0.10 [NR]	8.71	4.35#								
	08/20/90	0.02 [NR]	9.25	3.75#								
	09/19/90	0.02 [NR]	9.79	3.21#								
	11/27/90	0.07 [NR]	10.40	2.64#								
	01/17/91	0.05 [NR]	10.03	2.99#								
	03/26/91	0.08 [NR]	8.98	4.06#								
	05/02/91	0.02 [NR]	8.73	4.27#								
	06/20/91	0.02 [NR]	9.11	3.89#								
	08/07/91	0.04 [NR]	10.00	3.01#								
	09/17/91	0.02 [NR]	10.11	2.89#								
	11/13/91	0.02 [NR]	9.88	3.12#								
	12/10/91	0.03 [NR]	9.02	3.98#								
	01/21/92	0.03 [NR]	9.08	3.92#								
	03/25/92	0.03 [NR]	6.00	7.00#								
	06/22/92	0.01 [½ c.]	8.46	4.53#								
	09/24/92	Sheen [NR]	9.08	3.90#								
	10/14/92	0.02 [½ c.]	9.34	3.66#								
	11/16/92	0.02 [½ c.]	9.16	3.84#								

See Notes on page 27 of 27.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station 7-3006
 720 High Street, Oakland, California
 (Page 4 of 27)

Well ID # (TOC)	Sampling Date	SUBJ < >	DTW feet	Elev. > <	TPHg < >	B	T	E	X	TPHd	VOCs	TOG > <
					parts per billion							
MW-2 cont. (12.98)	12/08/92	0.02 [½ c.]	8.93	4.07#								
	01/27/93	Sheen	5.76	7.22#								
	02/18/93	0.01 [NR]	4.21	8.78#								
	03/10/93	Sheen	6.75	6.23#								
	04/06/93	Sheen	5.37	7.61#								
	05/28/93	NM [2 c.]	NM	---								
	06/10/93	NM [½ c.]	NM	---								
	07/17/93	NM [2 c.]	NM	---								
	08/11/93	NM [½ c.]	NM	---								
	09/01/93	NM [½ c.]	NM	---								
	10/26/93	Sheen	NM	---								
	11/12/93	NM [NR]	NM	---								
	12/27/93	NM [NR]	NM	---								
	01/20/94	NM [NR]	NM	---								
	02/02-03/94	NM [NR]	NM	---								
	03/10/94	[8 c.]	6.96	6.29#								
	04/22/94	[10 c.]	NM	---								
	05/10-11/94	[5 c.]	NM	---								
06/27/94	Sheen	7.10	5.88#									
MW-3 (12.92)	09/87	NM [NR]	NM	---	2,101	360	1,062	68	298	660	NA	NA
	05/88	NM [NR]	NM	---	8,700	3,980	280	240	600	NA	NA	NA
	04/25/89	0.08 [NR]	7.57	5.43#								
	07/19/89	0.66 [NR]	10.33	3.14#								
	07/27/89	Not Accessible										
	09/06/89	0.07 [NR]	11.22	1.78#								
	09/22/89	0.28 [NR]	11.38	1.78#								

See Notes on page 27 of 27.

**TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Exxon Service Station 7-3006
720 High Street, Oakland, California
(Page 5 of 27)

Well ID # (TOC)	Sampling Date	SUBJ < >	DTW feet	Elev. >	TPHg < >	B	T	E	X	TPHd	VOCs	TOG >
											parts per billion	
MW-3 cont. (12.92)	11/01/89	0.01 [NR]	10.90	2.05#								
	11/15/89	0.11 [NR]	11.18	1.85#								
	12/06/89	Sheen	10.29	2.65#								
	02/20/90	0.04 [NR]	8.73	4.24#								
	04/19/90	0.09 [NR]	9.20	3.81#								
	07/03/90	0.03 [NR]	8.50	4.46#								
	07/26/90	0.04 [NR]	8.58	4.39#								
	08/20/90	0.01 [NR]	9.21	3.74#								
	09/19/90	0.35 [NR]	10.02	3.20#								
	11/27/90	0.42 [NR]	10.72	2.56#								
	01/17/91	0.10 [NR]	10.05	2.97#								
	03/26/91	0.10 [NR]	7.65	5.37#								
	05/02/91	0.03 [NR]	8.54	4.42#								
	06/20/91	0.03 [NR]	8.89	4.07#								
	08/07/91	0.03 [NR]	9.99	2.97#								
	09/17/91	0.22 [NR]	10.32	2.80#								
	11/13/91	0.24 [NR]	10.14	2.99#								
	12/10/91	0.11 [NR]	10.10	2.93#								
	01/21/92	0.06 [NR]	9.07	3.92#								
	03/25/92	0.04 [NR]	5.96	7.01#								
	06/22/92	0.02 [½ c.]	8.07	4.89#								
	09/24/92	Sheen	9.29	3.65#								
	10/14/92	0.02 [½ c.]	9.49	3.47#								
	11/16/92	0.02 [½ c.]	9.29	3.67#								
	12/08/92	0.02 [½ c.]	9.08	3.88#								
	01/27/93	Sheen	5.65	7.29#								
	02/18/93	Sheen	4.63	8.31#								
	03/10/93	Sheen	5.53	7.41#								

See Notes on page 27 of 27.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station 7-3006
 720 High Street, Oakland, California
 (Page 6 of 27)

Well ID # (TOC)	Sampling Date	SUBJ < >	DTW feet	Elev. > <	TPHg < >	B	T	E	X	TPHd	VOCs	TOG >
						parts per billion						
MW-3 cont. (12.92)	04/06/93	Sheen	5.10	7.84#								
	05/28/93	Sheen	6.50	6.44#								
	06/10/93	Sheen	6.65	6.29#								
	07/17/93	Sheen	7.03	5.91#								
	08/11/93	Sheen	7.56	5.38	5,100	1,300	12	87	47	3,200	ND	NA
						2,000*	<2.5*	160*	60*	140 ^b		
	09/01/93	0.01 [NR]	8.20	4.75#								
	10/26/93	Sheen	8.88	4.06#								
	11/12/93	Sheen	8.96	3.98#								
	12/27/93	Sheen	9.03	3.91#								
	01/20/94	Sheen	8.24	4.70#								
	02/02-03/94	Sheen	7.68	5.26#								
	03/10/94	Sheen	7.24	5.68#								
	04/22/94	Sheen	6.79	6.13#								
	05/10-11/94	Sheen	6.43	6.49#								
	06/27/94	0.01 [NR]	6.97	5.95#								
MW-4 (12.77)	09/87	NM [NR]	NM	---	92,500	70	7	10	16	740	NA	NA
	05/88	LPH	NM	---								
	04/25/89	0.16 [NR]	7.26	5.64#								
	07/19/89	0.72 [NR]	10.32	3.03#								
	07/27/89	Not Accessible										
	09/08/89	0.07 [NR]	11.40	1.43#								
	09/22/89	0.19 [NR]	11.64	1.28#								
	11/01/89	Sheen	11.00	1.77#								
	11/15/89	0.10 [NR]	11.18	1.67#								
	12/06/89	Sheen	10.25	2.52#								

See Notes on page 27 of 27.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station 7-3006
 720 High Street, Oakland, California
 (Page 7 of 27)

Well ID # (TOC)	Sampling Date	SUBJ <	DTW feet	Elev. >	TPHg <	B	T	E	X	TPHd parts per billion	VOCs parts per billion	TOG parts per billion
MW-4 cont. (12.77)	02/20/90	NLPH	8.40	4.37#								
	04/19/90	0.03 [NR]	9.04	3.75#								
	07/03/90	Sheen	8.00	4.77#								
	07/28/90	0.04 [NR]	8.57	4.23#								
	08/20/90	0.01 [NR]	9.08	3.70#								
	09/19/90	0.03 [NR]	9.76	3.03#								
	11/27/90	0.09 [NR]	10.83	2.01#								
	01/17/91	0.20 [NR]	9.96	2.97#								
	03/26/91	0.09 [NR]	6.20	6.64#								
	05/02/91	0.04 [NR]	7.50	5.30#								
	06/20/91	0.04 [NR]	7.79	5.01#								
	08/07/91	0.05 [NR]	9.81	3.00#								
	09/17/91	0.10 [NR]	10.02	2.83#								
	11/13/91	0.12 [NR]	9.90	2.97#								
	12/10/91	0.10 [NR]	9.92	2.93#								
	01/21/92	0.08 [NR]	9.50	3.33#								
	03/25/92	0.03 [NR]	5.01	7.78#								
	06/22/92	0.02 [½ c.]	7.34	5.45#								
	09/24/92	Sheen	9.03	3.74#								
	10/14/92	0.02 [½ c.]	9.27	3.52#								
	11/16/92	0.02 [½ c.]	9.09	3.70#								
	12/08/92	0.02 [½ c.]	10.24	2.55#								
	01/27/93	0.04 [NR]	4.95	7.85#								
	02/18/93	0.01 [NR]	4.89	7.89#								
	03/10/93	Sheen	6.40	6.37#								
	04/06/93	Sheen	4.36	8.41#								
	05/28/93	NM [2 c.]	NM	---								
	06/10/93	NM [2 c.]	NM	---								

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**TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Exxon Service Station 7-3006
720 High Street, Oakland, California
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Well ID # (TOC)	Sampling Date	SUBJ <	DTW feet	Elev. >	TPHg <	B	T	E	X	TPHd	VOCs	TOG >
								parts per billion				
MW-4 cont. (12.77)	07/17/93	NM [2/5 gal.]	NM	---								
	08/11/93	NM [1/4 gal.]	NM	---								
	09/01/93	NM [1/4 gal.]	NM	---								
	10/26/93	NM [NR]	NM	---								
	11/12/93	NM [NR]	NM	---								
	12/27/93	NM [NR]	NM	---								
	01/20/94	NM [NR]	NM	---								
	02/02-03/94	NM [1 c.]	NM	---								
	03/10/94	[8 c.]	7.12	5.65#								
	04/22/94	[10 c.]	NM	---								
	05/10-11/94	[5 c.]	NM	---								
	06/27/94	0.01 [NR]	6.50	6.27#								
MW-5 (8.38)	09/87	NM	NM	---	26,660	560	1,710	1,580	7,150	37,220	NA	NA
	05/88	LPH	NM	---								
	04/25/89	NLPH	8.06	0.32#								
	07/18/89		Well Destroyed									
MW-6 (14.27)	05/88	NM	NM	---	29,300	12,820	550	1,440	5,500	NA	NA	NA
	04/25/89	NLPH	8.02	6.25#								
	09/06/89	0.08 [NR]	13.64	0.69#								
	09/22/89	0.07 [NR]	13.79	0.54#								
	11/01/89	Sheen	12.78	1.49#								
	11/15/89	Sheen	12.91	1.36#								
	12/06/89	NLPH	11.84	2.43	9,000	370	13	2.6	430	4,800	NA	NA
	02/20/90	NLPH	9.08	5.19#								

See Notes on page 27 of 27.

**TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Exxon Service Station 7-3006
720 High Street, Oakland, California
(Page 9 of 27)

Well ID # (TOC)	Sampling Date	SUBJ <	DTW feet >	Elev.	TPHg <	parts per billion				TPHd	VOCs	TOG >
						B	T	E	X			
MW-6 cont. (14.27)	04/19/90	NLPH	9.72	4.55	27,000	3,000	120	490	2,100	26,000	NA	NA
	07/03/90	NLPH	8.00	6.27	30,000	5,500	1,400	1,200	3,100	13,000	NA	NA
	07/26/90	NLPH	8.70	5.57#								
	08/20/90	NLPH	9.62	4.65#								
	09/19/90	Sheen	10.25	4.02#								
	11/27/90	Sheen	10.82	3.45	15,000	4,400	120	800	2,300	7,600	NA	NA
	01/17/91	NLPH	9.93	4.34#								
	03/26/91	NLPH	8.45	5.82	55,000	10,000	380	1,600	6,900	<100	NA	NA
	05/02/91	NLPH	8.90	5.37#								
	06/20/91	Sheen	9.47	4.80#								
	06/22/92	NLPH	7.38	6.89	43,000	11,000	150	2,100	5,000	1,700	NA	NA
	09/24/92	NLPH	8.70	5.57	45,000	9,800	270	1,700	3,600	2,000	NA	NA
	10/14/92	Sheen	8.91	5.36#								
	11/16/92	NLPH	8.75	5.52#								
	12/08/92	Sheen	8.51	5.76#								
	01/27/93	NLPH	5.69	8.58#								
	02/18/93	0.10 [1/4 c.]	4.90	9.45#								
	08/07/91	Sheen	10.10	4.17#								
	09/17/91	Sheen	10.21	4.06	17,000	4,500	160	890	3,100	NA	NA	NA
	11/13/91	Sheen	9.62	4.65#								
	12/10/91	Sheen	9.59	4.68	32,000	6,000	290	1,400	4,700	1,200	NA	NA
	01/21/92	Sheen	9.25	5.02#								
	03/25/92	NLPH	6.88	7.39	21,000	8,000	250	1,700	5,000	2,700	NA	NA
	03/10/93	0.05 [1/4 c.]	6.07	8.24#								
	04/06/93	Sheen	4.98	9.29#								
	05/28/93	NM [3 c.]	NM	---								
06/10/93	NM [3 c.]	NM	---		130,000	9,800	650	5,100	12,000	38,000	NA	23,000
07/17/93	NM [NR]	NM	---									

See Notes on page 27 of 27.

**TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Exxon Service Station 7-3006
720 High Street, Oakland, California
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Well ID # (TOC)	Sampling Date	SUBJ <	DTW feet	Elev. >	TPHg <	B	T	E	X	TPHd	VOCs	TOG >
					parts per billion							
MW-6 cont. (14.27)	08/11/93	NM [NR]	NM	---								
	09/01/93	NM [½ c.]	NM	---								
	10/26/93	NM [NR]	NM	---								
	11/12/93	NM [NR]	NM	---								
	12/27/93	NM [NR]	NM	---								
	01/20/94	NM [NR]	NM	---								
	02/02-03/94	NM [NR]	NM	---								
	03/10/94	[¼ c.]	7.82	6.45#								
	04/22/94	[10 c.]	NM	---								
	05/10-11/94	[3 c.]	NM	---								
	06/27/94	Sheen	7.77	6.50#								
MW-7 (14.84)	09/87	NM	NM	---	1,531	258	2	<2	42	2,790	ND	NA
	05/88	NM	NM	---	NA	300*	<10*	<10*	<10*	19	ND	NA
	04/25/89	NLPH	8.66	6.18#								
	09/06/89	Sheen	11.72	3.12#								
	09/22/89	NLPH	11.89	2.95#								
	12/06/89	NLPH	10.46	4.38	1,700	220	5.3	5	8.6	2,500	ND	<5,000
	02/20/90	NLPH	8.44	6.40#								
	04/19/90	NLPH	9.54	5.30	2,700	220	8.6	7	20	3,500	ND	NA
	07/03/90	NLPH	7.45	7.39	2,500	380	13	16	35	910	ND	NA
	07/26/90	NLPH	8.08	6.76#								
	08/20/90	NLPH	8.82	6.02#								
	09/19/90	NLPH	9.01	5.83#								
	11/27/90	NLPH	9.54	5.30	2,300	630	16	32	29	1,300	2.4 ¹	NA
	01/17/91	NLPH	8.50	6.34#								
	03/26/91	NLPH	5.92	8.92	3,500	420	18	17	27	<100	ND	NA

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**TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Exxon Service Station 7-3008
720 High Street, Oakland, California

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Well ID # (TOC)	Sampling Date	SUBJ < >	DTW feet	Elev. >	TPHg < >	B	T	E	X	TPHd	VOCs	TOG >
								parts per billion				
MW-7 cont. (14.84)	05/02/91	NLPH	7.72	7.12#								
	06/20/91	NLPH	8.19	6.65	3,100	270	8.8	33	19	<100	NA	NA
	08/07/91	NLPH	8.70	6.14#								
	09/17/91	NLPH	8.77	6.07	2,400	390	10	15	18	NA	NA	NA
	11/13/91	NLPH	8.51	6.33#								
	12/10/91	NLPH	8.58	6.26	1,700	290	5.3	7.1	<0.5	530	NA	NA
	01/21/92	NLPH	8.32	6.52#								
	03/25/92	NLPH	9.27	5.57	1,500	320	7.2	16	19	760	NA	NA
	06/22/92	NLPH	6.97	7.87	3,100	260	5.8	21	27	830	NA	NA
	09/24/92	NLPH	8.00	6.84	3,900	160	4.6	3.7	13	660	NA	NA
	10/14/92	NLPH	8.15	6.69#								
	11/16/92	NLPH	7.92	6.92#								
	12/08/92	NLPH	7.75	7.09	17,000	1,100	35	77	46	540	NA	NA
	01/27/93	NLPH	5.09	9.75#								
	02/18/93	NLPH	4.51	10.33#								
	03/10/93	NLPH	4.78	10.06	3,500	160	6.2	22	19	640	**	<5000
	04/06/93	NLPH	4.48	10.36#								
	05/28/93	NLPH	5.44	9.40#								
	06/10/93	NLPH	5.60	9.24	1,600	140	6.5	22	61	570	NA	NA
	07/17/93	NLPH	6.33	8.51#								
	08/11/93	NLPH	6.87	7.97	2,700	130	1.3	13	12	370	ND	NA
						140'	5'	12'	10'	2,000 ^b		
	09/01/93	NLPH	7.12	7.72#								
	10/26/93	NLPH	7.67	7.17	2,500	90	4.7	6.6	15	1,000	NA	NA
	11/12/93	NLPH	7.69	7.15#								
	12/27/93	NLPH	7.42	7.42#								
	01/20/94	NLPH	8.67	6.17#								

See Notes on page 27 of 27.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station 7-3006
 720 High Street, Oakland, California
 (Page 12 of 27)

Well ID # (TOC)	Sampling Date	SUBJ < >	DTW feet	Elev. < >	TPHg < >	B	T	E	X	TPHd	VOCs	TOG
								parts per billion				
MW-7 cont. (14.84)	02/02-03/94	NLPH	8.47	6.37	2,900	79	5.0	8.2	21	1300	NA	NA 470 ²
	03/10/94	NLPH	8.24	6.60#								
	04/22/94	NLPH	7.95	6.89#								
	05/10-11/94	NLPH	7.53	7.31#	2,400	88	5.6	5.2	15	1,300	NA	NA 1,400 ²
	06/27/94	NLPH	8.01	6.83#								
MW-8 (13.45)	09/87	NM	NM	---	1,325	81	74	42	182	NA	NA	NA
	05/88	LPH	NM	---								
	04/25/89	0.66 [NR]	8.31	5.67#								
	07/19/89	1.25 [NR]	10.97	3.48#								
	07/27/89	0.08 [NR]	10.34	3.17#								
	09/06/89	0.17 [NR]	11.09	2.50#								
	09/22/89	0.36 [NR]	11.58	2.16#								
	11/01/89	NLPH	11.03	2.42#								
	11/15/89	0.01 [NR]	11.25	2.21#								
	12/06/89	Sheen	10.30	3.15	42,000	2,600	630	210	3,700	34,000	NA	NA
	02/20/90	0.01 [NR]	8.00	5.46#								
	04/19/90	NLPH	8.50	4.95	49,000	2,100	820	1,100	4,800	53,000	NA	NA
	07/03/90	NLPH	7.55	5.90	44,000	4,000	1,500	2,000	6,300	32,000	NA	NA
	07/26/90	NLPH	7.86	5.59#								
	08/20/90	NLPH	8.92	4.53#								
	09/19/90	NLPH	9.55	3.90#								
	11/27/90	0.01 [NR]	10.29	3.17#								
01/17/91	Sheen	9.97	3.48#									
03/26/91	Sheen	8.45	5.00#									

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**TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Exxon Service Station 7-3006
720 High Street, Oakland, California
(Page 13 of 27)

Well ID # (TOC)	Sampling Date	SUBJ < >	DTW feet	Elev. < >	TPHg < >	B	T	E	X	TPHd	VOCs	TOG	
						parts per billion							
MW-8 cont. (13.45)	05/02/91	Sheen	8.85	4.60#									
	06/20/91	Sheen	9.45	4.00#									
	08/07/91	Sheen	10.00	3.45#									
	09/17/91	Sheen	10.11	3.34	57,000	14,000	7,800	3,100	12,000	NA	NA	NA	
	11/13/91	Sheen	9.63	3.82#									
	12/10/91	Sheen	9.66	3.79	66,000	9,500	5,000	3,100	12,000	1,400	NA	NA	
	01/21/92	Sheen	9.35	4.10#									
	03/25/92	Sheen	8.02	5.43#									
	06/22/92	Sheen	7.01	6.44#									
	09/24/92	Sheen	8.33	5.12#									
	10/14/92	Sheen	8.65	4.80#									
	11/16/92	Sheen	8.27	5.18#									
	12/08/92	Sheen	8.25	5.20#									
	01/27/93	Sheen	5.22	8.23#									
	02/18/93	Sheen	4.27	9.18#									
	03/10/93	Sheen	5.30	8.15#									
	04/06/93	Sheen	4.56	8.89#									
	05/28/93	Sheen	5.62	7.83#									
	06/10/93	Sheen	5.75	7.70#									
	07/17/93	Sheen	6.43	7.02#									
	08/11/93	Sheen	6.99	6.46	53,000	4,200	1,300	2,600	7,200	2,600	ND	NA	
						4,900 ^a	1,600 ^a	3,300 ^a	8,200 ^a	370 ^b			
		09/01/93	Sheen	7.33	6.12#								
		10/26/93	Sheen	7.98	5.47#								
		11/12/93	Sheen	8.07	5.38#								
		12/27/93	NM	NM	---								
	01/20/94	Sheen	8.90	4.55#									
	02/02-03/94	Sheen	8.58	4.87#									

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**TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Exxon Service Station 7-3006
720 High Street, Oakland, California
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Well ID # (TOC)	Sampling Date	SUBJ < >	DTW feet	Elev. >	TPHg < >	B	T	E	X	TPHd	VOCs	TOG
								parts per billion				
MW-8 cont. (13.45)	03/10/94	NLPH	7.16	6.29#								
	04/22/94	Sheen	7.34	6.11#								
	05/10-11/94	Sheen	7.04	6.41#								
	06/27/94	Sheen	6.01	7.44#								
MW-9 (14.64)	05/88	NM	NM	---	<50	<0.5	1	<1	<1	NA	ND	NA
	04/25/89	NLPH	8.25	6.39#								
	09/06/89	Not Accessible										
	09/22/89	Not Accessible										
	12/06/89	NLPH	10.12	4.52	100	1.8	3.7	1.4	8.8	110	ND	<5000
	02/20/90	NLPH	9.38	5.26#								
	04/19/90	NLPH	9.40	5.25	<20	<0.5	<0.5	<0.5	<0.5	<100	ND	NA
	07/03/90	NLPH	8.79	5.85	<20	<0.5	<0.5	<0.5	<0.5	<100	ND	NA
	07/26/90	NLPH	8.70	5.94#								
	08/20/90	NLPH	9.09	5.55#								
	09/19/90	NLPH	9.52	5.12#								
	11/27/90	NLPH	9.89	4.75	<50	<0.5	<0.5	<0.5	<0.5	<100	ND	NA
	01/17/91	Not Accessible										
	03/26/91	Not Accessible										
	05/02/91	NLPH	9.10	5.54#								
	06/20/91	NLPH	8.76	5.88	<50	<0.5	<0.5	<0.5	<0.5	<100	NA	NA
	08/07/91	NLPH	9.37	5.27#								
	09/17/91	NLPH	9.57	5.07	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	11/13/91	NLPH	9.46	5.18#								
	12/10/91	NLPH	9.30	5.34	<50	<0.5	<0.5	<0.5	<0.5	52	NA	NA
	01/21/92	NLPH	9.68	4.96#								
	03/25/92	NLPH	8.93	5.71	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA

See Notes on page 27 of 27.

**TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Exxon Service Station 7-3006
720 High Street, Oakland, California

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Well ID # (TOC)	Sampling Date	SUBJ <	DTW feet	Elev. >	TPHg <	B	T	E	X	TPHd parts per billion	VOCs >	TOG >
MW-9 cont. (14.64)	08/22/92	NLPH	7.45	7.19	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	09/24/92	NLPH	8.69	5.95	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	10/14/92	NLPH	8.83	5.81#								
	11/16/92	NLPH	8.80	5.84#								
	12/08/92	NLPH	8.70	5.94	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	01/27/93	NM	NM	---								
	02/18/93	NLPH	9.22	5.42#								
	03/10/93	NLPH	5.25	9.39	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	04/06/93	NLPH	5.07	9.57#								
	05/28/93	NLPH	6.08	8.56#								
	06/10/93	NLPH	6.27	8.37	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	07/17/93	NLPH	7.09	7.55#								
	08/11/93	NLPH	7.60	7.04	<50	<0.5	<0.5	<0.5	<0.5	<50	ND	NA
						<5'	<5'	<5'	<5'	<50 ²		
	09/01/93	NLPH	7.95	6.69#								
	10/26/93	NLPH	8.44	6.20	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	11/12/93	NLPH	8.44	6.20#								
	12/27/93	NLPH	8.37	6.27#								
	01/20/94	NM	NM	---								
	02/02-03/94	NM	NM	---								
03/10/94	NLPH	6.90	7.74#									
04/22/94	NLPH	7.38	7.26#									
05/10-11/94	NLPH	6.96	7.68#									
06/27/94	NLPH	7.65	6.99#									
MW-10 (14.05)	12/06/89	NLPH	10.46	3.59	320	3.7	14	5.6	32	<100	NA	NA
	02/20/90	NLPH	8.12	5.93#								

See Notes on page 27 of 27.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station 7-3006
 720 High Street, Oakland, California
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Well ID # (TOC)	Sampling Date	SUBJ <	DTW feet	Elev. >	TPHg <	B <	T <	E parts per billion	X <	TPHd <	VOCs <	TOG >
MW-10 cont. (14.05)	04/19/90	NLPH	8.54	5.51	<20	<0.5	<0.5	<0.5	<0.5	<100	ND	NA
	07/03/90	NLPH	7.88	6.17	<20	<0.5	<0.5	<0.5	<0.5	<100	NA	NA
	07/26/90	NLPH	8.19	5.86#								
	08/20/90	NLPH	10.33	3.72#								
	09/19/90	NLPH	9.49	4.56#								
	11/27/90	NLPH	9.89	4.16	<50	<0.5	<0.5	<0.5	<0.5	<100	NA	NA
	01/17/91	NLPH	9.19	4.86#								
	03/26/91	NLPH	7.48	6.57	<50	<0.5	<0.5	<0.5	<0.5	<100	NA	NA
	05/02/91	NLPH	8.16	5.89#								
	06/20/91	NLPH	8.75	5.30	<50	<0.5	<0.5	<0.5	<0.5	<100	NA	NA
	08/07/91	NLPH	9.53	4.52#								
	09/17/91	NLPH	9.72	4.33	<50	<0.5	<0.5	<0.5	<0.5	<100	NA	NA
	11/13/91	NLPH	10.02	4.03#								
	12/10/91	NLPH	9.12	4.93	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	01/21/92	NLPH	8.31	5.74#								
	03/25/92	NLPH	5.70	8.35	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	06/22/92	NLPH	7.50	6.55	<50	<0.5	0.6	<0.5	0.8	<50	NA	NA
	09/24/92	NLPH	8.68	5.37	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	10/14/92	NLPH	8.88	5.17#								
	11/16/92	NLPH	8.70	5.35#								
	12/08/92	NLPH	8.31	5.74	<50	<0.5	<0.5	<0.5	0.9	<50	NA	NA
	01/27/93	NLPH	5.49	8.56#								
	02/18/93	NLPH	4.26	9.79#								
	03/10/93	NLPH	5.40	8.65	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	04/06/93	NLPH	5.28	8.77#								
	05/28/93	NLPH	6.22	7.83#								
	06/10/93	NLPH	6.49	7.56	<50	<0.5	0.6	0.7	1.2	<50	NA	NA
	07/17/93	NLPH	6.79	7.26#								

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station 7-3006
 720 High Street, Oakland, California
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Well ID # (TOC)	Sampling Date	SUBJ < >	DTW feet	Elev. < >	TPHg < >	B	T	E	X	TPHd	VOCs	TOG >
						parts per billion						
MW-10 cont. (14.05)	08/11/93	NLPH	7.20	6.85	<50	<0.5 <5*	<0.5 <5*	0.5 <5*	1.4 <5*	<50 <50 ²	ND	NA
	09/01/93	NLPH	8.03	6.02#								
	10/26/93	NLPH	8.38	5.67	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	11/12/93	NLPH	8.49	5.56#								
	12/27/93	NLPH	8.22	5.83#								
	01/20/94	NLPH	8.40	5.65#								
	02/02-03/94	NLPH	8.00	6.05	<50	<0.5	1.0	<0.5	1.8	<50	NA	NA
	03/10/94	NLPH	7.56	6.49#								
	04/22/94	NLPH	7.35	6.70#								
	05/10-11/94	NLPH	7.06	6.99	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
06/27/94	NLPH	7.59	6.46#									
MW-11 (13.55)	12/06/89	NLPH	10.62	2.93	78	5.9	6.3	<0.5	48,000	<100	NA	NA
	02/20/90	NLPH	9.20	4.35#								
	04/19/90	NLPH	9.80	3.75	<20	<0.5	<0.5	<0.5	<0.5	<100	NA	NA
	07/03/90	NLPH	8.90	4.65	<20	<0.5	<0.5	<0.5	<0.5	<100	NA	NA
	07/26/90	NLPH	9.36	4.19#								
	08/20/90	NLPH	9.90	3.85#								
	09/19/90	NLPH	10.39	3.16#								
	11/27/90	NLPH	10.97	2.58	<50	<0.5	<0.5	<0.5	<0.5	<100	NA	NA
	01/17/91	NLPH	10.76	2.79#								
	03/26/91	NLPH	8.80	4.75	<50	<0.5	<0.5	<0.5	<0.5	<100	NA	NA
	05/02/91	NLPH	9.38	4.17#								
	06/20/91	NLPH	10.16	3.39	<50	<0.5	<0.5	<0.5	<0.5	<100	NA	NA
	08/07/91	NLPH	10.69	2.86#								
	09/17/91	NLPH	10.80	2.75	<50	<0.5	0.7	<0.5	<0.5	NA	NA	NA

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**TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Exxon Service Station 7-3006
720 High Street, Oakland, California

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Well ID # (TOC)	Sampling Date	SUBJ <	DTW feet	Elev. >	TPHg <	B	T	E	X	TPHd	VOCs	TOG
								parts per billion				
MW-11 cont. (13.55)	11/13/91	NLPH	10.44	3.11#								
	12/10/91	NLPH	10.48	3.07	<50	0.7	<0.5	<0.5	<0.5	<50	NA	NA
	01/21/92	NLPH	10.10	3.45#								
	03/25/92	NLPH	7.30	6.25	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	06/22/92	NLPH	9.02	4.53	84	1.5	3.1	1.4	9.6	57	NA	NA
	09/24/92	NLPH	9.91	3.64	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	10/14/92	NLPH	10.11	3.44#								
	11/16/92	NLPH	9.79	3.76#								
	12/08/92	NLPH	9.77	3.78	<50	<0.5	<0.5	<0.5	<0.5	310	NA	NA
	01/27/93	NLPH	5.67	7.88#								
	02/18/93	NLPH	5.06	8.49#								
	03/10/93	NLPH	6.40	7.15	<50	<0.5	<0.5	<0.5	<0.5	240	NA	NA
	04/06/93	NLPH	6.42	7.13#								
	05/28/93	NLPH	7.65	5.90#								
	06/10/93	NLPH	7.80	5.75	<50	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	07/17/93	NLPH	8.42	5.13#								
	08/11/93	NLPH	8.87	4.68	<50	0.5	0.7	1.2	2.7	<50	ND	NA
						<5'	<5'	<5'	<5'	<50 ²		
	09/01/93	NLPH	9.09	4.46#								
	10/26/93	NLPH	9.70	3.85	<50	<0.5	<0.5	<0.5	<0.5	80	NA	NA
	11/12/93	NLPH	9.72	3.83#								
	12/27/93	NLPH	9.56	3.99#								
	01/20/94	NLPH	9.61	3.94#								
02/02-03/94	NLPH	9.56	3.99	<50	<0.5	1.0	<0.5	0.9	1.60	NA	NA	
03/10/94	NLPH	8.59	4.96#									
04/22/94	NLPH	8.47	5.08#									
05/10-11/94	NLPH	8.12	5.43	<50	<0.5 ^a	<0.5	<0.5	3.2	100 ⁷	NA	NA	
06/27/94	NLPH	8.65	4.90#									

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**TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Exxon Service Station 7-3006
720 High Street, Oakland, California
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Well ID # (TOC)	Sampling Date	SUBJ < >	DTW feet	Elev. > <	TPHg < >	B	T	E	X	TPHd	VOCs	TOG	
						parts per billion							
MW-12 (12.61)	12/06/89	NLPH	8.00	4.61	85,000	6,700	6,300	1,800	7,800	4,000	NA	NA	
	02/20/90	NLPH	6.33	6.28#									
	04/19/90	NLPH	7.18	5.43	110,000	6,600	7,400	1,800	11,000	97,000	NA	NA	
	07/03/90	NLPH	7.41	5.20	92,000	11,000	11,000	3,100	13,000	50,000	NA	NA	
	07/26/90	NLPH	6.54	6.07#									
	08/20/90	NLPH	7.23	5.38#									
	09/19/90	NLPH	7.77	4.84#									
	11/27/90	NLPH	8.15	4.46	69,000	11,000	10,000	3,100	12,000	NA	NA		
	01/17/91	NLPH	8.06	4.55#									
	03/26/91	NLPH	7.21	5.40	100,000	15,000	16,000	2,400	11,000	<100	NA	NA	
	05/02/91	Sheen	7.60	5.01#									
	06/20/91	Sheen	8.02	4.59#									
	08/07/91	Sheen	8.25	4.36#									
	09/17/91	Sheen	8.20	4.41	82,000	22,000	18,000	3,900	16,000	NA	NA	NA	
	11/13/91	Sheen	7.77	4.84#									
	12/10/91	Sheen	7.75	4.86	99,000	18,000	16,000	3,000	11,000	1,700	NA	NA	
	01/21/92	Sheen	7.08	5.53#									
	03/25/92	Sheen	4.93	7.68#									
	06/22/92	Sheen	6.04	6.57#									
	09/24/92	NLPH	6.94	5.67	570,000	62,000	46,000	15,000	57,000	3,100	NA	NA	
	10/14/92	Sheen	7.21	5.40#									
	11/16/92	Sheen	7.00	5.61#									
	12/08/92	Sheen	6.70	5.91#									
	01/27/93	Sheen	4.16	8.45#									
	02/18/93	Sheen	4.01	8.60#									
	03/10/93	Sheen	3.94	8.67#									
	04/06/93	Sheen	3.69	8.92#									

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**TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Exxon Service Station 7-3006
720 High Street, Oakland, California

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Well ID # (TOC)	Sampling Date	SUBJ < >	DTW feet	Elev. >	TPHg					TPHd	VOCs	TOG
					B	T	E	X	parts per billion			
MW-12 cont. (12.61)	05/28/93	Sheen	4.66	7.95#								
	06/10/93	Sheen	4.78	7.83#								
	07/17/93	Sheen	5.42	7.19#								
	08/11/93	Sheen	5.83	6.78	94,000	10,000	8,300	2,800	13,000	2,400	ND	NA
						13,000 ^c	11,000 ^c	4,000 ^c	15,000 ^c	190 ^b		
	09/01/93	Sheen	6.22	6.39#								
	10/26/93	NLPH	6.82	5.79	68,000	11,000	8,500	3,400	13,000	17,000	NA	NA
	11/12/93	NLPH	6.88	5.73#								
	12/27/93	NLPH	8.04	4.57#								
	01/20/94	NLPH	7.81	4.80#								
	02/02-03/94	NLPH	7.22	5.39	48,000	4,000	2,700	2,900	9,900	18,000	NA	NA
	03/10/94	NLPH	6.16	6.45#								
	04/22/94	NLPH	6.31	6.30#								
	05/10-11/94	NLPH	6.16	6.45	46,000	3,000 ^b	1,600	2,900	9,100	8,200	NA	NA
	06/27/94	NLPH	6.55	6.06#								
MW-13 (14.20)	12/06/89	NLPH	9.35	4.85	52,000	2,100	2,000	1,400	6,100	31,000	NA	NA
	02/20/90	NLPH	7.73	6.47#								
	04/19/90	NLPH	8.68	5.52	59,000	1,800	1,500	1,400	7,200	54,000	NA	NA
	07/03/90	NLPH	8.00	6.20	53,000	4,500	3,100	2,200	7,800	26,000	NA	NA
	07/26/90	NLPH	7.95	6.25#								
	08/20/90	NLPH	8.66	5.54#								
	09/19/90	NLPH	9.13	5.07#								
	11/27/90	NLPH	9.49	4.71	20,000	4,500	1,100	880	3,300	1,600	NA	NA
	01/17/91	NLPH	9.61	4.59#								
	03/26/91	NLPH	9.25	4.95	72,000	10,000	8,300	1,700	6,900	<100	NA	NA
	05/02/91	NLPH	9.31	4.89#								

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station 7-3006
 720 High Street, Oakland, California
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Well ID # (TOC)	Sampling Date	SUBJ < >	DTW feet	Elev. < >	TPHg < >	B	T	E	X	TPHd parts per billion	VOCs	TOG >
MW-13 cont. (14.20)	06/20/91	NLPH	9.73	4.47	44,000	5,600	3,100	750	2,600	<100	NA	NA
	08/07/91				Not Accessible							
	09/17/91	NLPH	9.72	4.48	40,000	11,000	6,500	2,400	8,100	NA	NA	NA
	11/13/91	NLPH	9.06	5.14#								
	12/10/91	NLPH	9.04	5.16	72,000	11,000	7,400	2,500	9,400	3,700	NA	NA
	01/21/92	NLPH	8.41	5.79#								
	03/25/92	Sheen	5.72	8.48#								
	06/22/92	Sheen	7.31	6.89#								
	09/24/92	NLPH	8.30	5.90	86,000	9,500	6,100	2,400	10,000	2,900	NA	NA
	10/14/92	Sheen	8.56	5.64#								
	11/16/92	Sheen	8.36	5.84#								
	12/08/92	Sheen	8.10	6.10#								
	01/27/93	NM	NM	---								
	02/18/93	Sheen	4.89	9.31#								
	03/10/93	Sheen	5.32	8.88#								
	04/06/93	Sheen	5.10	9.10#								
	05/28/93	Sheen	6.00	8.20#								
	06/10/93	Sheen	6.15	8.05#								
	07/17/93	Sheen	6.82	7.38#								
	08/11/93	Sheen	7.31	6.89	62,000	5,600	2,700	2,300	11,000	2,500	NA	ND
						7,700 ^a	3,700 ^a	3,500 ^a	14,000 ^a	360 ^a		
	09/01/93	Sheen	7.62	6.58#								
	10/26/93	NLPH	8.22	5.98	46,000	5,200	3,200	2,500	11,000	15,000	NA	NA
11/12/93	NLPH	8.29	5.91#									
12/27/93	NM	NM	---									
01/20/94	NLPH	9.08	5.12#									
02/02-03/94	NLPH	8.75	5.45	41,000	3,800	1,500	2,700	9,500	8,100	NA	NA	
03/10/94	Sheen	7.46	6.74#									

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station 7-3006
 720 High Street, Oakland, California
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Well ID # (TOC)	Sampling Date	SUBJ < >	DTW feet	Elev. > <	TPHg < >	B	T	E	X	TPHd	VOCs	TOG	
						parts per billion							
MW-13 cont. (14.20)	04/22/94	Sheen	7.78	6.42#									
	05/10-11/94	NLPH	7.61	6.59	39,000	3,400	930	2,400	8,900	15,000	NA	NA	
	06/27/94	NLPH	7.97	6.23									
MW-14 (15.18)	11/27/90	NLPH	9.88	5.30	390	<0.5	<0.5	3.6	3.7	120	NA	NA	
	01/17/91	NLPH	9.13	6.05#									
	03/26/91	NLPH	8.51	6.67	200	<0.5	1.5	0.8	3.6	<100	NA	NA	
	05/02/91	NLPH	8.45	6.73#									
	06/20/91	NLPH	8.38	6.80	110	<0.5	<0.5	<0.5	<0.5	<100	NA	NA	
	09/17/91	NLPH	9.14	6.04	450	<0.5	<0.5	3.2	2.3	NA	NA	NA	
	11/13/91	NLPH	8.83	6.35#									
	12/10/91	NLPH	8.90	6.28	71	0.5	<0.5	<0.5	<0.5	280	NA	NA	
	01/21/92	NLPH	8.58	6.60#									
	03/25/92	NLPH	6.15	9.03	61	<0.5	<0.5	1.1	<0.5	640	NA	NA	
	06/22/92	NLPH	7.70	7.48	140	<0.5	<0.5	0.6	2	350	NA	NA	
	09/24/92	NLPH	9.34	5.84	75	<0.5	<0.5	<0.5	<0.5	300	NA	NA	
	10/14/92	NLPH	9.40	5.78#									
	11/16/92	NLPH	9.17	6.01#									
	12/08/92	NLPH	8.89	6.29	350	2.5	1.0	1.5	8.1	220	NA	NA	
	01/27/93	NLPH	8.54	6.64#									
	02/18/93	NM	NM	---									
	03/10/93	NLPH	5.55	9.63	410	<0.5	<0.5	0.9	1.6	<250 ²	NA	NA	
	04/06/93	NLPH	5.34	9.84#									
	05/28/93	NLPH	6.07	9.11#									
	06/10/93	NLPH	6.30	8.88	180	<0.5	<0.5	0.8	1.9	180	NA	NA	
									<500 ⁵				
	07/17/93	NLPH	7.77	7.41#									

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station 7-3006
 720 High Street, Oakland, California
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Well ID # (TOC)	Sampling Date	SUBJ < >	DTW feet	Elev. > <	TPHg < >	B	T	E	X	TPHd	VOCs	TOG >	
						parts per billion							
MW-14 cont. (15.18)	08/11/93	NLPH	7.62	7.56	180	0.6 <5'	<0.5 <5'	1.6 <5'	3.7 <5'	180 140 ⁶	ND	NA	
	09/01/93	NLPH	8.09	7.09#									
	10/26/93	NLPH	8.18	7.00	260	<0.5	<0.5	<0.5	3.6	200	NA	NA	
	11/12/93	NLPH	8.16	7.02#									
	12/27/93	NLPH	7.95	7.23#									
	01/20/94	NM	NM	---									
	02/02-03/94				Not Accessible								
	03/10/94	NLPH	7.84	7.34#									
	04/22/94	NLPH	8.00	7.18#									
	05/10-11/94	NLPH	7.93	7.25	300	2.7	7.9	2.0	27	1,100 ⁷	NA	NA 210 ²	
06/27/94	NLPH	8.19	6.99#										
MW-15 (13.73)	11/27/90	NLPH	8.67	5.06	2,700	210	5.5	600	250	340	NA	NA	
	01/17/91	NLPH	8.03	5.70#									
	03/26/91				Not Accessible								
	05/02/91	NLPH	7.09	6.64#									
	06/20/91	NLPH	7.06	6.67	380	<0.5	<0.5	<0.5	1.3	<100	NA	NA	
	08/07/91	NLPH	7.59	6.14#									
	09/17/91	NLPH	7.89	5.84	490	2.9	1.7	33	1.3	NA	NA	NA	
	11/13/91	NLPH	9.07	4.66#									
	12/10/91	NLPH	8.60	5.13	1,600	14	1.1	66	9.8	300	NA	NA	
	01/21/92	NLPH	9.15	4.58#									
	03/25/92	NLPH	8.10	5.63	3,400	150	13	690	250	1,400	NA	NA	
	06/22/92	NLPH	5.80	7.93	6,600	99	<0.5	670	180	860	NA	NA	
	09/24/92	NLPH	7.21	6.52	3,600	120	7	480	47	740	NA	NA	

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**TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Exxon Service Station 7-3006
720 High Street, Oakland, California
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Well ID # (TOC)	Sampling Date	SUBJ <	DTW feet	Elev. >	TPHg - <	B	T	E	X	TPHd	VOCs	TOG >
									parts per billion			
MW-15 cont. (13.73)	10/14/92	NLPH	7.40	6.33#								
	11/16/92	NLPH	7.55	6.18#								
	12/08/92	NLPH	7.42	6.31	1,600	43	1.6	170	23	430	NA	NA
	01/27/93	NLPH	4.37	9.36#								
	02/18/93	Sheen	4.14	9.59#								
	03/10/93	Not Accessible										
	04/06/93	Sheen	3.16	10.57#								
	05/28/93	NLPH	4.47	9.26#								
	06/10/93	Sheen	4.59	9.14#								
	07/17/93	NLPH	5.51	8.22#								
	08/11/93	Sheen	6.13	7.60	4,800	49 70*	<2.5 <5*	410 640*	34 26*	710 300 ^a	ND	NA
	09/01/93	Sheen	6.45	7.28#								
	10/26/93	NLPH	7.16	6.57	3,400	79	<2.5	115	32	970	NA	NA
	11/12/93	NLPH	7.82	5.91#								
	12/27/93	NLPH	7.50	6.23#								
	01/20/94	NLPH	7.48	6.25#								
	02/02-03/94	NLPH	7.30	6.43	4,300	24	6.7	170	26	1,200	NA	NA
	03/10/94	NLPH	7.32	6.41#								
	04/22/94	NLPH	6.67	7.06#								
	05/10-11/94	NLPH	5.81	7.92	3,900	16	<0.5	150	13	1,400	NA	NA
	06/27/94	NLPH	6.14	7.59#								
VW-1 (14.01)	02/18/93	NLPH	4.52	9.49#								
	03/10/93	NLPH	5.25	8.76#								
	04/06/93	NLPH	5.06	8.95#								
	05/28/93	NLPH	5.52	8.49#								

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**TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Exxon Service Station 7-3006
720 High Street, Oakland, California

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Well ID # (TOC)	Sampling Date	SUBJ <	DTW feet	Elev. >	TPHg <	B	T	E	X	TPHd	VOCs	TOG >
					parts per billion							
VW-1 cont. (14.01)	06/10/93	NLPH	5.62	8.39#								
	07/17/93	NLPH	6.23	7.78#								
	08/11/93	Dry										
	09/01/93	Dry										
	10/26/93	Dry										
	11/12/93	Dry										
	12/27/93	NM	NM	---								
	01/20/94	Dry										
	02/02-03/94	NLPH	5.58	8.43#								
	03/10/94	NLPH	6.19	7.82#								
	04/22/94	NLPH	5.96	8.05#								
	05/10-11/94	NLPH	5.66	8.35#								
	06/27/94	NLPH	5.99	8.02#								
VW-2 (14.09)	02/18/93	NLPH	4.41	9.68#								
	03/10/93	NLPH	5.17	8.92#								
	04/06/93	NLPH	5.04	9.05#								
	05/28/93	NLPH	5.46	8.63#								
	06/10/93	NLPH	5.60	8.49#								
	07/17/93	NLPH	6.38	7.71#								
	08/11/93	NLPH	7.90	6.19#								
	09/01/93	0.01	7.31	6.79#								
	10/26/93	Dry										
	11/12/93	Dry										
	12/27/93	Dry										
	01/20/94	NLPH	7.75	6.34#								
	02/02-03/94	Dry										

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station 7-3006
 720 High Street, Oakland, California
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Well ID # (TOC)	Sampling Date	SUBJ <	DTW feet	Elev. >	TPHg <	B	T	E	X	TPHd	VOCs	TOG >
					parts per billion							
VW-2 cont. (14.09)	03/10/94	NLPH	6.85	7.24#								
	04/22/94	NLPH	7.30	6.79#								
	05/10-11/94	NLPH	7.20	6.89#								
	06/27/94	NLPH	7.29	6.80#								
VW-3 (13.37)	02/18/93	NLPH	4.62	8.69#								
	03/10/93	NLPH	4.41	8.90#								
	04/06/93	NLPH	4.10	9.21#								
	05/28/93	NLPH	4.98	8.33#								
	06/10/93	NLPH	4.98	8.33#								
	07/17/93	NLPH	5.57	7.74#								
	08/11/93	NLPH	7.69	5.62#								
	09/01/93	0.01	6.78	6.54#								
	10/26/93	Dry										
	11/12/93	Dry										
	12/27/93	NLPH	7.24	6.13#								
	01/20/93	NLPH	7.49	5.88#								
	02/02-03/94	NLPH	7.15	6.22#								
	03/10/94	NLPH	6.21	7.16#								
	04/22/94	NLPH	6.34	7.03#								
	05/10-11/94	NLPH	5.92	7.45#								
	06/27/94	NLPH	6.66	6.71#								
Maximum Contaminant Levels (DHS)					---	1.0	---	680	1,750	---	---	---
Drinking Water Action Levels (DHS)					---	---	100	---	---	---	---	---

See Notes on page 27 of 27.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station 7-3006
 720 High Street, Oakland, California
 (Page 27 of 27)

Notes:			
SUBJ	= Results of subjective evaluation, liquid-phase hydrocarbon thickness (HT) in feet	NA	= Not Analyzed
LPH	= Liquid-phase hydrocarbons present, thickness not measured	---	= Not Applicable
NLPH	= No liquid phase hydrocarbons present in well	<	= Less than the indicated detection limit shown by the laboratory
TOC	= Elevation of top of well casing; relative to mean sea level	#	= Well monitored but not sampled
DTW	= Depth to water	1	= Chloromethane
Elev.	= Elevation of groundwater. If liquid-phase hydrocarbons present, elevation adjusted using TOC - [DTW - (PT x 0.8)].	2	= Analyzed for Stoddard Solvent using EPA method 5030/8015.
[]	= amount recovered	3	= Additional Analysis on MW-1 - Fecal Coliform Most Probable Number (MPN)/100 ml.
gal.	= gallons	4	= VOCs Detected using EPA Method 624 - 16,000 ppb Benzene, 480 ppb Toluene, 4,500 ppb Ethylbenzene, 9,900 ppb total Xylenes.
c.	= cups		VOCs Detected using EPA Method 625 - 1,800 ppb Naphthalene, 600 ppb 2-Methylnaphthalene, Bis(2-ethylhexyl) phthalate
TPHg	= Total petroleum hydrocarbons as gasoline analyzed using modified EPA method 5030/8015.	5	= Stoddard Solution detected in the sample at approximately 320 ppb
BTEX	= Benzene, Toluene, Ethylbenzene, and total Xylenes analyzed using modified EPA method 5030/8020.	6	= Analyzed for Stoddard Solvent using modified EPA method 5030/8015. Sample chromatogram was not representative of a Stoddard Solvent pattern. Pattern was representative of the heavier hydrocarbons found in a gasoline pattern.
TPHd	= Total petroleum hydrocarbons as diesel analyzed using EPA method 3510/8015.		= Department of Health Services, State of California, October 1990
VOCs	= Volatile organic compounds analyzed using EPA method 624.		= Sample pattern does not match the diesel standard pattern
TOG	= Total oil and grease analyzed using Standard Method 5520.	DHS	= A peak eluting earlier than benzene and suspected to be methyl tert-butyl ether was present
*	= Analyzed using EPA method 624 (volatile organic compounds).	7	
**	= See Table 3 for additional Analysis	8	
NR	= No liquid-phase hydrocarbons removed from well		
NM	= Not Measured		
ND	= Not Detectable		

APPENDIX A

**GROUNDWATER SAMPLING PROTOCOL AND
WELL PURGE DATA SHEETS**

GROUNDWATER SAMPLING PROTOCOL

The static water level and liquid phase hydrocarbon level, if present, in each well that contained water and/or liquid phase hydrocarbons are measured with an ORS Interphase Probe Model No. 106801, which is accurate to the nearest 0.01 foot. To calculate groundwater elevations and evaluate groundwater gradient, depth to water (DTW) levels are subtracted from wellhead elevations and corrected for liquid phase hydrocarbon thickness (HT), when necessary, by multiplying (HT) by a correction factor 0.8 and subtracting from the DTW level (Adjusted DTW = DTW - [HT x 0.8]).

Groundwater samples collected for subjective evaluation are collected by gently lowering approximately half the length of a clean disposable or Teflon® bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples are checked for measurable liquid phase hydrocarbons or sheen. Any liquid phase hydrocarbons are removed from the well.

Before water samples are collected from the groundwater monitoring wells, the wells are purged until stabilization of the temperature, pH, and conductivity is obtained, or until a maximum of four well casing volumes are purged. Turbidity measurements are also collected from the purged well water. Water samples from the wells that do not obtain stability of the temperature, pH, and conductivity are considered to be "grab samples". Wells having demonstrated stabilization within purging of four well volumes for at least three consecutive quarters are not monitored for the above parameters. Instead, four well volumes are purged. The quantity of water purged from each well is calculated as follows:

1 well casing volume = $\pi r^2 h (7.48)$ where:

r = radius of the well casing in feet.

h = column of water in the well in feet
(depth to bottom - depth to water).

7.48 = conversion constant from cubic feet to gallons

Gallons of water purged/gallons in 1 well casing volume = well casing volumes removed.

After purging, each well is allowed to recharge to at least 80% of the initial water level. Water samples from wells that do not recover at least 80% (due to slow recharging of the well) between purging and sampling are considered to be "grab samples". Water samples were collected with either a Environmental Protection Agency (EPA) approved disposable sampler or an EPA approved Teflon® sampler which has been cleaned with Alconox® and deionized water. The groundwater was carefully poured into 40-milliliter (ml) glass vials, which are filled so as to produce a positive meniscus. Each vial is preserved with hydrochloric acid, sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace which would allow volatilization to occur. The samples are promptly transported in iced storage in a thermally-insulated ice chest, accompanied by a Chain of Custody form, to a California-certified laboratory.

WELL PURGE DATA SHEET

Project Name: Exxon 7-3006

Job No. 130006.20

Date: 5/11/74

Page 1 of 1

Well No. MW-7

Time Started 10:19

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
10:19	Start purging MW-7				
10:19	0	65.4	6.61	15.47	5.0
10:29	17	66.7	6.70	13.96	14.3
10:40	34	67.9	6.77	14.22	10.4
10:46	42	68.6	6.74	14.44	8.2
10:52	49	68.6	6.74	14.53	7.6

10:57 Stop purging MW-7

Notes:

OK

Well Diameter (inches) : 4
 Depth to Bottom (feet) : 34.50
 Depth to Water - initial (feet) : 7.53
 Depth to Water - final (feet) : 8.94
 % recovery : 95
 Time Sampled : 12:45
 Gallons per Well Casing Volume : 17.6
 Gallons Purged : 49
 Well Casing Volume Purged : 2.8
 Approximate Pumping Rate (gpm) : 1.5

WELL PURGE DATA SHEET

Project Name: Exxon 7-3006

Job No. 130006-20

Date: 5/10/94

Page 1 of 1

Well No. MW-10

Time Started 13:44

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
13:44	Start purging MW-10				
13:44	0	79.4	6.65	11.56	3.1
13:50	12	74.3	6.67	11.47	1.2
13:58	23	Day at 23 gallons			

13:58 Stop purging MW-10

Notes:

Conductivity at (x100)

Well Diameter (inches) : 4

Depth to Bottom (feet) : 24.88

Depth to Water - initial (feet) : 7.06

Depth to Water - final (feet) : 7.00

% recovery : 100

Time Sampled : 9:45 5/11/94

Gallons per Well Casing Volume : 11.6

Gallons Purged : 23

Well Casing Volume Purged : 2.0

Approximate Pumping Rate (gpm) : 1.9

WELL PURGE DATA SHEET

Project Name: Exxon 7-3006

Job No. 130006.20

Date: 5/11/94

Page 1 of 1

Well No. MW-12

Time Started 11:40

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
11:40	Start purging MW-12				
11:48	0	60.9	6.54	14.65	23.2
11:46	5	67.6	6.54	14.57	100
11:57	10	68.7	6.58	14.96	1.8
12:00	13	68.9	6.58	14.99	8.5
12:03	16	68.7	6.57	14.85	0.4
12:04	17				

12:04 Stop purging MW-12

Notes:

Conductivity at
(x100)

Well Diameter (inches) : 4

Depth to Bottom (feet) : 14.64

Depth to Water - initial (feet) : 6.16

Depth to Water - final (feet) : 5.98

% recovery : 102

Time Sampled : 12:30

Gallons per Well Casing Volume : 5.5

Gallons Purged : 17

Well Casing Volume Purged : 3.1

Approximate Pumping Rate (gpm) : 0.7

WELL PURGE DATA SHEET

Project Name: Exxon 7-3006

Job No. 130066.2

Date: 5/1/94

Page 1 of 1

Well No. MW-13

Time Started 11:20

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
11:20	Start purging MW-13				
11:20	0	65.5	6.54	16.72	15.9
11:25	5	67.9	6.54	16.41	6.8
11:31	10	67.8	6.54	17.29	6.9
11:33	11	Dry at 11 gallons			
11:33	Stop purging MW-13				

Notes:

Conductivity at
(x100)

Well Diameter (inches) : 4
 Depth to Bottom (feet) : 15.21
 Depth to Water - initial (feet) : 7.61
 Depth to Water - final (feet) : 7.39
 % recovery : 103
 Time Sampled : 13:30
 Gallons per Well Casing Volume : 5.0
 Gallons Purged : 11.0
 Well Casing Volume Purged : 2.2
 Approximate Pumping Rate (gpm) : 0.8

WELL PURGE DATA SHEET

Project Name: Exxon 7-3000

Job No. 130006.20

Date: 5/11/21

Page 1 of 1

Well No. MW-11

Time Started 9:20

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
9:20	Start purging MW-11				
9:26	0	63.9	6.66	15.73	9.8
9:30	6	64.7	6.67	16.03	9.9
9:33		Dry at 9 gallons			
10:10		Dry at 12 gallons			

10:10 Stop purging MW-11

Notes:

Conductivity at (x100) Well Diameter (inches) : 4
 Depth to Bottom (feet) : 17.28
 Depth to Water - initial (feet) : 7.93
 Depth to Water - final (feet) : 9.90
 % recovery : 79
 Time Sampled : 13:45
 Gallons per Well Casing Volume : 6.1
 Gallons Purged : 12
 Well Casing Volume Purged : 2.0
 Approximate Pumping Rate (gpm) : 0.3

WELL PURGE DATA SHEET

Project Name: Exxon 7-3006

Job No. 130006.20

Date: 5/11/74

Page 1 of 1

Well No. MW-15

Time Started 11:00

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
11:00	Start purging MW-15				
11:00	0	65.4	6.58	2.36	36.2
11:05	7	65.3	6.58	2.38	16.0
11:10	13	Dry 90 13 gallons			

11:10 Stop purging MW-15

Notes:

Conductivity at (1,000) Well Diameter (inches) : 4

Depth to Bottom (feet) : 10.73

Depth to Water - initial (feet) : 5.81

Depth to Water - final (feet) : 7.52

% recovery : 84

Time Sampled : 13:15

Gallons per Well Casing Volume : 7.1

Gallons Purged : 13

Well Casing Volume Purged : 1.8

Approximate Pumping Rate (gpm) : 1.3

APPENDIX B

**LABORATORY ANALYSIS REPORTS AND
CHAIN OF CUSTODY RECORDS**

May 19, 1994

Mr. Marc Briggs
RESNA
3315 Almaden Expressway Suite 34
San Jose, CA 95118

RE: PACE Project No. 440512.516
Client Reference: Exxon 7-3006 (EE)

Dear Mr. Briggs:

Enclosed is the report of laboratory analyses for samples received May 12, 1994.

Please note that when analyzing the following samples a peak eluting earlier than Benzene and suspected to be Methyl Tert Butyl Ether (MTBE) was present:

<u>Client ID</u>	<u>PACE Sample #</u>
W-8-MW11	700320658
W-5-MW12	700320704

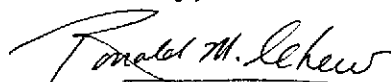
Please also note that the sample pattern for Diesel analysis for the following samples does not match the Diesel Standard pattern:

<u>Client ID</u>	<u>PACE Sample #</u>
W-8-MW1	700320640
W-8-MW11	700320658
w-9-MW14	700320666

Footnotes are given at the end of the report.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,



for Stephanie Matzo
Project Manager

REPORT OF LABORATORY ANALYSIS

RESNA
 3315 Almaden Expressway Suite 34
 San Jose, CA 95118

May 19, 1994
 PACE Project Number: 440512516

Attn: Mr. Marc Briggs

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number: 70 0320577
 Date Collected: 05/11/94
 Date Received: 05/12/94
 R 10

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>		<u>DATE ANALYZED</u>
<u>ORGANIC ANALYSIS</u>				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	05/18/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	05/18/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):				
Benzene	ug/L	0.5	ND	05/18/94
Toluene	ug/L	0.5	ND	05/18/94
Ethylbenzene	ug/L	0.5	ND	05/18/94
Xylenes, Total	ug/L	0.5	ND	05/18/94

Mr. Marc Briggs
 Page 2

May 19, 1994
 PACE Project Number: 440512516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:
 Date Collected:
 Date Received:
 Client Sample ID:
 Parameter

70 0320623
 05/11/94
 05/12/94
 W-7-MW10

Units MDL DATE ANALYZED

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS

TOTAL FUEL HYDROCARBONS, (LIGHT):			-	05/17/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	05/17/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	05/17/94
Benzene	ug/L	0.5	ND	05/17/94
Toluene	ug/L	0.5	ND	05/17/94
Ethylbenzene	ug/L	0.5	ND	05/17/94
Xylenes, Total	ug/L	0.5	ND	05/17/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	ND	05/17/94
Date Extracted			05/16/94	

Mr. Marc Briggs
 Page 3

May 19, 1994
 PACE Project Number: 440512516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:
 Date Collected:
 Date Received:
 Client Sample ID:
 Parameter

70 0320640
 05/10/94
 05/12/94
 W-8-MW1

Units MDL DATE ANALYZED

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):				
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	-	05/17/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):				
Benzene	ug/L	0.5	ND	05/17/94
Toluene	ug/L	0.5	ND	05/17/94
Ethylbenzene	ug/L	0.5	ND	05/17/94
Xylenes, Total	ug/L	0.5	1.6	05/17/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.10	05/17/94
Date Extracted			05/16/94	

Mr. Marc Briggs
 Page 4

May 19, 1994
 PACE Project Number: 440512516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:
 Date Collected:
 Date Received:
 Client Sample ID:
 Parameter

70 0320658
 05/10/94
 05/12/94
 W-8-MW11

Units MDL DATE ANALYZED

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):				
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	05/17/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):				
Benzene	ug/L	0.5	ND	05/17/94
Toluene	ug/L	0.5	ND	05/17/94
Ethylbenzene	ug/L	0.5	ND	05/17/94
Xylenes, Total	ug/L	0.5	3.2	05/17/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.10	05/17/94
Date Extracted			05/16/94	

Mr. Marc Briggs
 Page 5

May 19, 1994
 PACE Project Number: 440512516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number: 70 0320666
 Date Collected: 05/11/94
 Date Received: 05/12/94
 Client Sample ID: W-9-MW14

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

STODDARD Solvent, EPA METHOD 5030/8015M	ug/L	50	210	05/19/94
---	------	----	-----	----------

PURGEABLE FUELS AND AROMATICS

TOTAL FUEL HYDROCARBONS, (LIGHT):			-	05/19/94
-----------------------------------	--	--	---	----------

Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	300	05/19/94
--	------	----	-----	----------

PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	05/19/94
--	--	--	---	----------

Benzene	ug/L	0.5	2.7	05/19/94
---------	------	-----	-----	----------

Toluene	ug/L	0.5	7.9	05/19/94
---------	------	-----	-----	----------

Ethylbenzene	ug/L	0.5	2.0	05/19/94
--------------	------	-----	-----	----------

Xylenes, Total	ug/L	0.5	27	05/19/94
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EXTRACTABLE FUELS EPA 3510/8015

Extractable Fuels, as Diesel	mg/L	0.05	1.1	05/17/94
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Date Extracted			05/16/94	
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Mr. Marc Briggs
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May 19, 1994
 PACE Project Number: 440512516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:
 Date Collected:
 Date Received:
 Client Sample ID:
 Parameter

70 0320674
 05/11/94
 05/12/94
 W-8-MW 7

Parameter	Units	MDL		DATE ANALYZED
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ORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

STODDARD Solvent, EPA METHOD 5030/8015M	ug/L	250	1400	05/18/94
---	------	-----	------	----------

PURGEABLE FUELS AND AROMATICS

TOTAL FUEL HYDROCARBONS, (LIGHT):			-	05/18/94
-----------------------------------	--	--	---	----------

Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	250	2400	05/18/94
--	------	-----	------	----------

PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	05/18/94
--	--	--	---	----------

Benzene	ug/L	2.5	88	05/18/94
---------	------	-----	----	----------

Toluene	ug/L	2.5	5.6	05/18/94
---------	------	-----	-----	----------

Ethylbenzene	ug/L	2.5	5.2	05/18/94
--------------	------	-----	-----	----------

Xylenes, Total	ug/L	2.5	15	05/18/94
----------------	------	-----	----	----------

EXTRACTABLE FUELS EPA 3510/8015

Extractable Fuels, as Diesel	mg/L	0.05	1.3	05/17/94
------------------------------	------	------	-----	----------

Date Extracted			05/16/94	
----------------	--	--	----------	--

Mr. Marc Briggs
 Page 7

May 19, 1994
 PACE Project Number: 440512516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:
 Date Collected:
 Date Received:
 Client Sample ID:
 Parameter

70 0320682
 05/11/94
 05/12/94
 W-7-MW 15

Units MDL DATE ANALYZED

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):				
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	-	05/17/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):				
Benzene	ug/L	0.5	3900	05/17/94
Toluene	ug/L	0.5	-	05/17/94
Ethylbenzene	ug/L	0.5	16	05/17/94
			ND	05/17/94
			150	05/17/94
Xylenes, Total	ug/L	0.5	13	05/17/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	1.4	05/17/94
Date Extracted			05/16/94	

Mr. Marc Briggs
 Page 8

May 19, 1994
 PACE Project Number: 440512516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0320690	
Date Collected:			05/11/94	
Date Received:			05/12/94	
Client Sample ID:			W-7-MW 13	
<u>Parameter</u>	<u>Units</u>	<u>MDL</u>		<u>DATE ANALYZED</u>

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):				
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	1200	-	05/17/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			39000	05/17/94
Benzene	ug/L	12	-	05/17/94
Toluene	ug/L	12	3400	05/17/94
Ethylbenzene	ug/L	12	930	05/17/94
			2400	05/17/94
Xylenes, Total	ug/L	12	8900	05/17/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.25	15	05/18/94
Date Extracted			05/16/94	

Mr. Marc Briggs
 Page 9

May 19, 1994
 PACE Project Number: 440512516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:
 Date Collected:
 Date Received:
 Client Sample ID:
 Parameter


70 0320704
 05/11/94
 05/12/94
 W-5-MW 12

Units MDL DATE ANALYZED

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):				
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	1200	-	05/17/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):				
Benzene	ug/L	12	3000	05/17/94
Toluene	ug/L	12	1600	05/17/94
Ethylbenzene	ug/L	12	2900	05/17/94
Xylenes, Total	ug/L	12	9100	05/17/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	8.2	05/18/94
Date Extracted			05/16/94	

These data have been reviewed and are approved for release.


 Darrell C. Cain
 Regional Director

Mr. Marc Briggs
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FOOTNOTES
for pages 1 through 9

May 19, 1994
PACE Project Number: 440512516

Client Reference: Exxon 7-3006 (EE)

MDL Method Detection Limit
ND Not detected at or above the MDL.

REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
 Page 11

QUALITY CONTROL DATA

May 19, 1994
 PACE Project Number: 440512516

Client Reference: Exxon 7-3006 (EE)

EXTRACTABLE FUELS EPA 3510/8015

Batch: 70 30478

Samples: 70 0320623, 70 0320640, 70 0320658, 70 0320666, 70 0320674
 70 0320682, 70 0320690, 70 0320704

METHOD BLANK AND SAMPLE DUPLICATE:

Parameter	Units	MDL	Method Blank	700322022	Duplicate of 70 0322022	RPD NC
Extractable Fuels, as Diesel	mg/L	0.05	ND	ND	ND	
n-Pentacosane (Surrogate Recovery)	%			133	95	33%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Extractable Fuels, as Diesel	mg/L	0.05	1.00	96%	92%	4%

Mr. Marc Briggs
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QUALITY CONTROL DATA

May 19, 1994
PACE Project Number: 440512516

Client Reference: Exxon 7-3006 (EE)

PURGEABLE FUELS AND AROMATICS

Batch: 70 30488

Samples: 70 0320577, 70 0320623, 70 0320640, 70 0320658, 70 0320682
70 0320690, 70 0320704

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	MDL	700320623		Spike		RPD
			W-7-MW10	Spike	Recv	Dupl Recv	
Benzene	ug/L	0.5	ND	100	106%	101%	5%
Toluene	ug/L	0.5	ND	100	105%	100%	5%
Ethylbenzene	ug/L	0.5	ND	100	103%	97%	6%
Xylenes, Total	ug/L	0.5	ND	300	105%	99%	6%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference	Dupl		RPD
			Value	Recv	Recv	
Benzene	ug/L	0.5	100	104%	104%	0%
Toluene	ug/L	0.5	100	102%	103%	1%
Ethylbenzene	ug/L	0.5	100	104%	103%	1%
Xylenes, Total	ug/L	0.5	300	105%	104%	1%

REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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QUALITY CONTROL DATA

May 19, 1994
 PACE Project Number: 440512516

Client Reference: Exxon 7-3006 (EE)

PURGEABLE FUELS AND AROMATICS

Batch: 70 30556
 Samples: 70 0320674

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			-
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			-
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	MDL	700321034	Spike	Spike Recv	Spike Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	1000	93%	98%	5%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	1000	95%	94%	1%

REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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QUALITY CONTROL DATA

May 19, 1994
 PACE Project Number: 440512516

Client Reference: Exxon 7-3006 (EE)

PURGEABLE FUELS AND AROMATICS

Batch: 70 30557
 Samples: 70 0320666

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			-
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			-
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	MDL	700321034	Spike	Spike Recv	Spike Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	1000	93%	98%	5%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	1000	95%	94%	1%

Mr. Marc Briggs
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FOOTNOTES
for pages 11 through 14

May 19, 1994
PACE Project Number: 440512516

Client Reference: Exxon 7-3006 (EE)

MDL Method Detection Limit
NC No calculation due to value below detection limit.
ND Not detected at or above the MDL.
RPD Relative Percent Difference



EXXON COMPANY, U.S.A.

P.O. Box 4415, Houston, TX 77210-4415

CHAIN OF CUSTODY

440512.516

Novato, CA, 11 Digital Drive, 94949
(415) 883-6100

Huntington Beach, CA, 5702 Bolsa Avenue, 92649
(714) 892-2565

Consultant's Name: RFSNA
 Address: 3315 Amador Expy. #34 San Jose CA 95118
 Project #: 130006.20
 Project Contact: Jane Buckhoff/Mark Briggs
 EXXON Contact: Mark Briggs EE C&M
 Sampled by (print): Chris Allen
 Shipment Method: Carrier

Site Location: 720 High St.
 Consultant Work Release #: 09300303/10#
 Laboratory Work Release #: 09300303/10#
 EXXON RAS #: 7-3006
 Phone #: (408) 264-7723 Fax #: 264-2175
 Phone #: (714) 240-8776 Fax #: 240-8775
 Sampler's Signature: [Signature]
 Air Bill #: _____ Shipment Date: _____

TAT: 24 hr 48 hr 72 hr Standard (5 day)

ANALYSIS REQUIRED

Sample Description	Collection Date/Time	Matrix Soil/Water	Prsv	# of Cont	PACE Sample #	TPH/GAS/BTEX EPA 801.5/8020	TPH/Diesel EPA 8015	TRPH EPA 418.1	Hold	Sample Condition as Received		COMMENTS
										Temperature ° C:	Cooler #:	
① Binsade	5/10/94	H ₂ O	HL	2	3466.3				X	32053.4		
✓ R10	5/11/94		"	2	4268.2	X				32057.7		
X W-7-21110	"		"	3	4290.9	X				32062.3		
X W-7-21110	"		-	2	4290.5		X					27
✓ R1	5/10/94		HL	2	5086.0				X	32054.2		
✓ W-8-21111	"		"	3	6214.0	X				32064.0		
X W-8-21111	"		-	2	6217.9		X					27
✓ R11	5/11/94		HL	2	6214.7				X	32056.9		
✓ W-8-21111	"		"	3	6214.5	X				32065.8		
X W-8-21111	"		-	2	6214.0		X					27

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time	Additional Comments:
Chris Allen	5/11/94	9:30	Mary Ripdale	5/12/94	1:30	
Mary Ripdale	5/12/94	1:30	Danell Johnson Pace	5/12/94	1:30	
Danell Johnson Pace	5/12/94	1:30	Ner McWhisk Pace	5/12/94	1:30	



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(714) 892-2565

Page 2 of 2

Consultant's Name: RESNA
 Address: 3315 Almaden Expy #34 San Jose CA 95118
 Project #: _____ Consultant Project #: 130006.20
 Project Contact: Jeanne Burkhal/Mark Briggs Phone: (408) 264-7723 Fax: 764-2435
 EXXON Contact: Marta Gwenzler EE C&M Phone: (510) 246-8776 Fax: _____
 Sampled by (print): Chris Allen Sampler's Signature: [Signature]
 Shipment Method: Courier Air Bill #: _____ Shipment Date: _____

TAT: 24 hr 48 hr 72 hr Standard (5 day)

ANALYSIS REQUIRED

Sample Condition as Received
 Temperature ° C: _____
 Cooler #: _____
 Inbound Seal Yes No
 Outbound Seal Yes No

Sample Description	Collection Date/Time	Matrix Soil/Water	Prsv	# of Cont	Unit #5 in 5/13 PACE Sample #	TPH/GAS/BTEX EPA 801.5/8020	TPH/Diesel EPA 8015	TPRH EPA 418.1 Standard Solvent											COMMENTS
✓ 10-9-2014	5/11/94	H2O	HCL	3	106929	X	X	X											Ph ~
✓ 10-9-2014			HCL	2	75670	X	X	X											~7
✓ 10-8-2017			HCL	3	45688	X	X	X											~7
✓ 10-8-2017			HCL	2	106141	X	X	X											~7
✓ 10-7-2015			HCL	3	106150	X	X	X											~7
✓ 10-7-2015			HCL	2	106168	X	X	X											~7
✓ 10-7-2013			HCL	3	106311	X	X	X											~7
✓ 10-7-2013			HCL	2	106320	X	X	X											~7
✓ 10-5-2012			HCL	3	106338	X	X	X											~7
① 10-5-2012			HCL	2	106346	X	X	X											Rec. 1 GL ~7

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time	Additional Comments
Chris Allen	5/12/94	4:30	Mary Kuppale	5/12/94	1:30	
Mary Kuppale/RESNA	5/12/94	1:30	Daniel Gwenzler/Pace	5/12/94	1:33	
Daniel Gwenzler/Pace	5/12/94	1:50	Mark Chosh/Pace	5/12/94	1:50	11 5/2