EXXON COMPANY, U.S.A.
P.O. BOX 4032 . CONCORD, CA 94524-2032
ENVIRONMENTAL ENGINEERING
MARLA D. GUENSLER
(510) 246-8776
(510) 246-8798 FAX

June 13, 1994

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 San Jose, California, details the results of the groundwater monitoring events which occurred January through March 1994.

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

Sincerely,

#136

Marla D. Guensler
Senior Environmental Engineer

MDG/mdg

attachment: RESNA Letter Report Dated March 18, 1994

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

RESNA
Working To Restore Nature

3315 Almaden Expressway, Suite 34
San Jose, CA 95118
Phone: (408) 264-7723
FAX: (408) 264-2435

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

130006.20

RESNA
Working To Restore Nature

3315 Almaden Expressway, Suite 34
San Jose, CA 95118
Phone: (408) 264-7723
FAX: (408) 264-2435

March 18, 1994

Ms. Marla D. Guensler
Exxon Company U.S.A.
2300 Clayton Road, Suite 1250
P.O. Box 4032
Concord, California 94520

Subject: Quarterly Groundwater Monitoring, First 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 first 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 hydrocarbons in groundwater.

GROUNDWATER MONITORING AND SAMPLING

On February 2, 1994, RESNA measured the depth to water in monitoring wells MW-1, MW-3, MW-7, MW-8, MW-10 through MW-13, MW-15 and vapor wells VW-1, VW-2, and VW-3. Groundwater samples were collected from wells MW-1, MW-7, MW-10 through MW-13, and MW-15. Groundwater samples from selected wells were subjectively analyzed for the presence of liquid-phase hydrocarbons. RESNA's groundwater sampling protocol and well purge data sheets are in Appendix A, Groundwater Sampling Protocol and Well Purge Data Sheets.

Wells MW-3 and MW-8 had sheen and were not purged or sampled. Wells MW-2, MW-4, and MW-6 were not monitored for DTW or sampled because they contain petrotraps which separate liquid-phase hydrocarbons for removal. Well MW-14 could not be monitored or sampled because it was obstructed by dirt generated during construction of a recovery treatment system. Well MW-9 is sampled annually during the fourth quarter, but also could not be monitored because it was covered by dirt from construction.

Based on February 2, 1994, depth to water measurements, groundwater elevations in the wells at the site have increased an average of approximately 0.6 foot in wells MW-1, MW-3, MW-10 and MW-11, and have decreased an average of approximately 0.49 in wells MW-7, MW-8, MW-12, MW-13, and MW-15 since last quarter. The groundwater appears to flow west-southwest beneath the subject site, with a hydraulic gradient of 0.01 (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. Well MW-7 was 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 wells MW-7, MW-12, MW-13, and MW-15.
- Concentrations of benzene were greater than the MCL in wells MW-7, MW-12, MW-13, and MW-15.
- Concentrations of toluene, ethylbenzene, and total xylenes were greater than their respective DWAL or MCLs in wells MW-12, and MW-13.
- Concentrations of TPHd were greater than the MDL in wells MW-1, MW-7, MW-11, MW-12, MW-13, and MW-15.
- The concentration of Stoddard Solvent was greater than the MDL in well MW-7.

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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 (408) 264-7723.

Sincerely,
RESNA Industries Inc.

Christian O. Allen
Geologic Technician

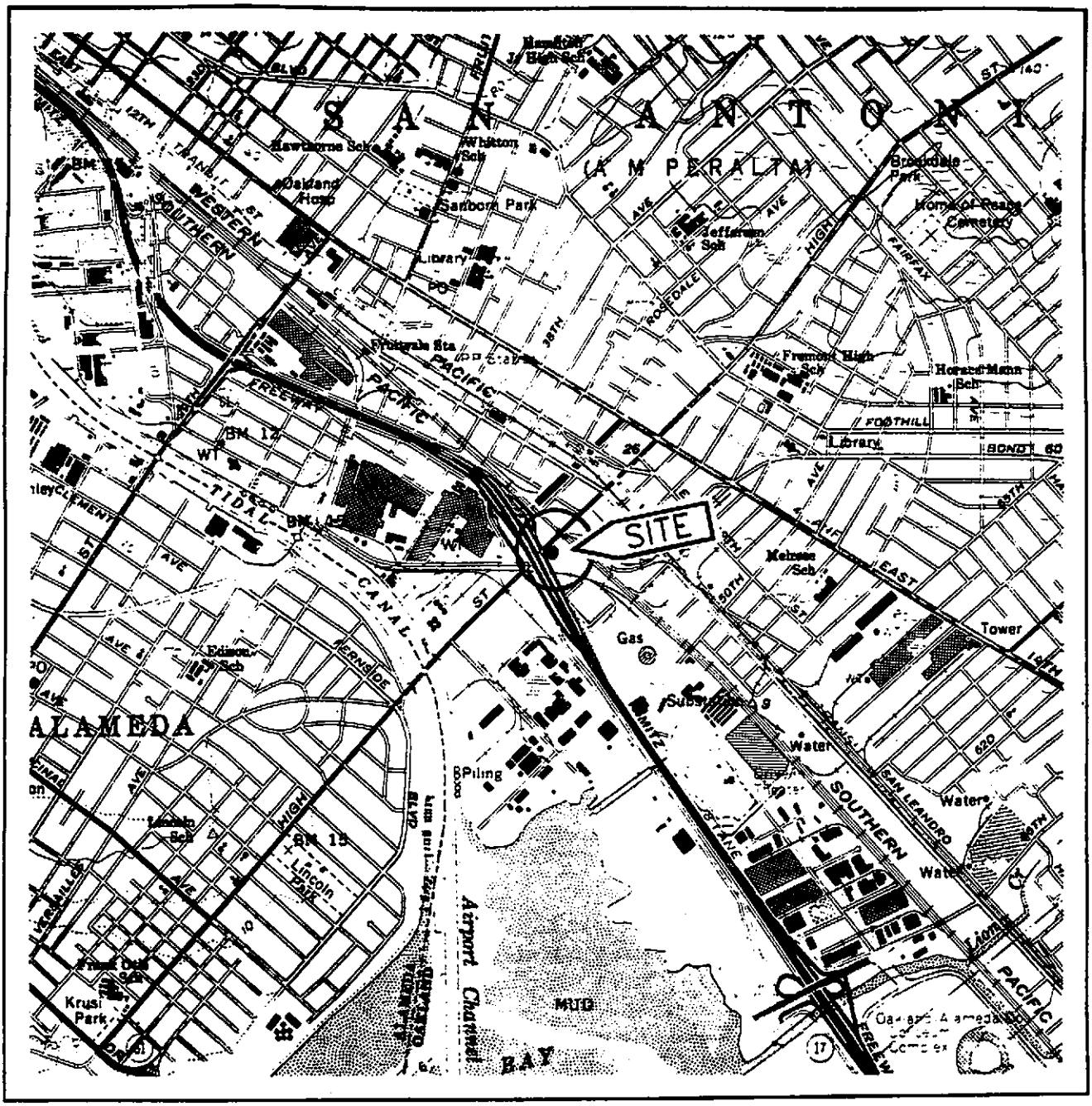
James L. Nelson, C.E.G.
Senior Project Geologist

REGISTERED GEOLOGIST
JAMES LEWIS NELSON
No. 1463
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

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

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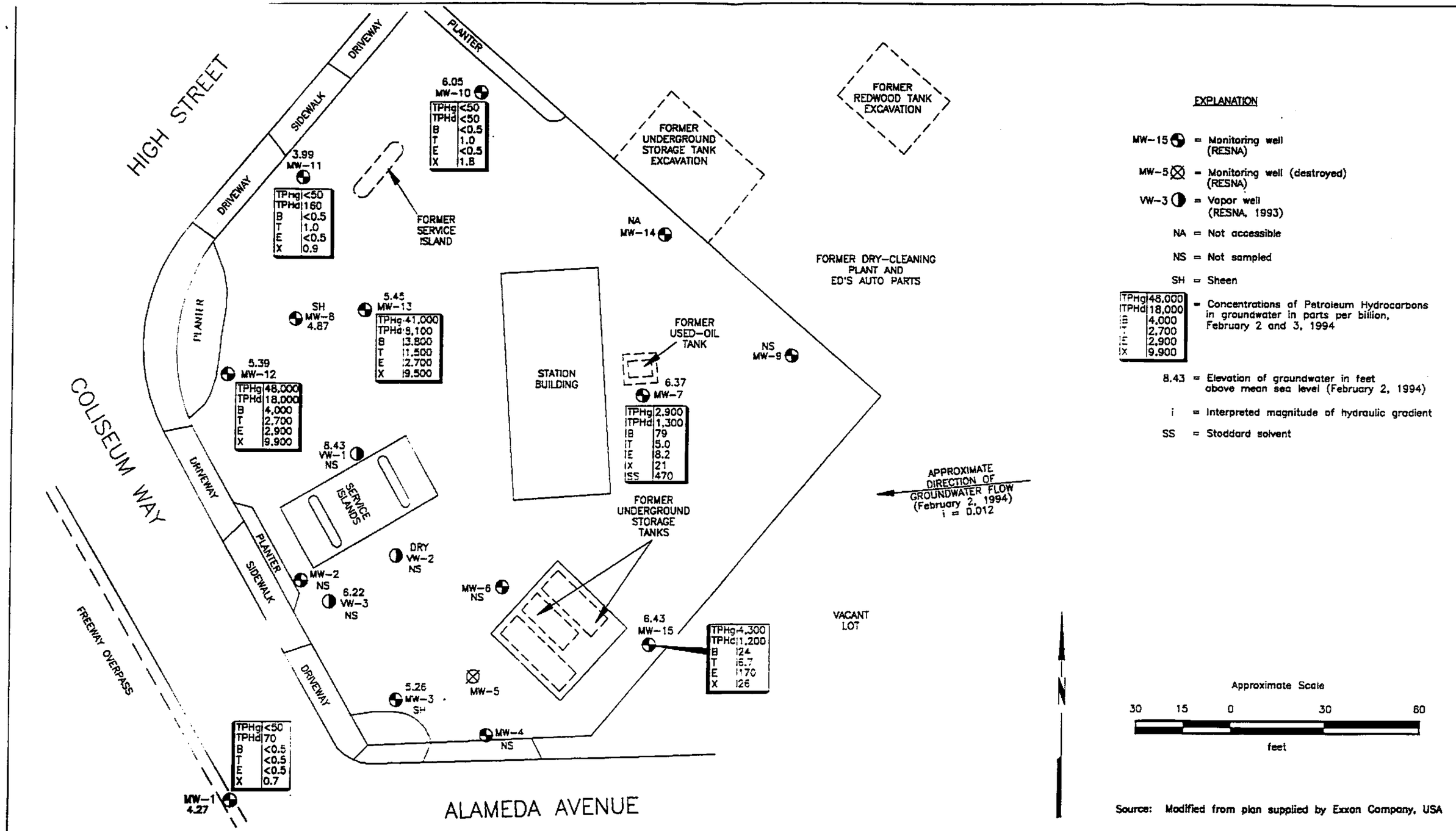
SITE VICINITY MAP
Former Exxon Station 7-3006
720 High Street
Oakland, California

PLATE
1



EXPLANATION

MW-15 = Monitoring well (RESNA)

MW-5 = Monitoring well (destroyed) (RESNA)

VW-3 = Vapor well (RESNA, 1993)

NA = Not accessible

NS = Not sampled

SH = Sheen

TPHg	48,000
TPHd	18,000
B	4,000
T	2,700
E	2,900
X	9,900

= Concentrations of Petroleum Hydrocarbons in groundwater in parts per billion, February 2 and 3, 1994

8.43 = Elevation of groundwater in feet above mean sea level (February 2, 1994)

i = Interpreted magnitude of hydraulic gradient

SS = Stoddard solvent

Approximate Scale

30 15 0 30 60

feet

Source: Modified from plan supplied by Exxon Company, USA

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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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	..... >	< ..... parts per billion ..... >							
MW-1 (12.87)	05/88	NM	NM	---	240	90	5	15	25	NA	ND	NA
	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
	09/24/92	NLPH	9.61	3.26	<50	<0.5	0.6	<0.5	<0.5	<50	NA	NA

See notes on page 26 of 26.

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	>	<			parts per billion				>
MW-1 cont. (12.87)	10/14/92	NLPH	9.85	3.02#								
	11/16/92	NLPH	9.65	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[1]	<5[1]	<5[1]	<5[1]	<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
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#								
	07/19/89	1.56[NR]	10.81	3.42#								
	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#								

See notes on page 26 of 26.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station 7-3006
720 High Street
Oakland, California
(Page 3 of 26)

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	>	<	parts per billion						>
MW-2 cont.												
(12.98)	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#								

See notes on page 26 of 26.

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	..... >	< ..... parts per billion ..... >							
MW-2 cont.												
(12.98)	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#								
	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	---								

See notes on page 26 of 26.

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	>	<			parts per billion				>
MW-3 (12.92)	09/87	NM	NM	---	2,101	360	1,062	68	298	660	NA	NA
	05/88	NM	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#								
	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#								

See notes on page 26 of 26.

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	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	..... >	< ..... parts per billion ..... >							
MW-3 cont. (12.92)	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#								
	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 2,000*	12 <2.5*	87 160*	47 60*	3,200 140@	ND	NA
	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#								
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										

See notes on page 26 of 26.

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	>	<	parts per billion						>
MW-4 cont. (12.77)	09/06/89	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#								
	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#								
	07/26/90	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 [⅛ c.]	7.34	5.45#								
	09/24/92	Sheen	9.03	3.74#								
	10/14/92	0.02 [⅛ c.]	9.27	3.52#								
	11/16/92	0.02 [⅛ c.]	9.09	3.70#								
	12/08/92	0.02 [⅛ c.]	10.24	2.55#								

See notes on page 26 of 26.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station 7-3006
720 High Street
Oakland, California
(Page 8 of 26)

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	..... >	< ..... parts per billion ..... >							
MW-4 cont. (12.77)	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	---								
	07/17/93	NM [2/5 gal.]	NM	---								
	08/11/93	NM [¼ gal.]	NM	---								
	09/01/93	NM [¼ 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	---								
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#								

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station 7-3006
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Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	>	<	parts per billion						>
MW-6 cont. (14.27)	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#								
	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 [⅛ 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 [⅛ c.]	6.07	8.24#								

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station 7-3006
720 High Street
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Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	..... >	< ..... parts per billion ..... >							
MW-6 cont.												
(14.27)	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	---								
	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	---								
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#								

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station 7-3006
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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)	03/26/91	NLPH	5.92	8.92	3,500	420	18	17	27	<100	ND	NA
	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	**	<5,000
	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	130 140*	1.3 5*	13 12*	12 10*	370 2,000[6]	ND	NA
	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#								

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station 7-3006
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Oakland, California
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Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	>	<	parts per billion						>
MW-7 cont.												
(14.84)	01/20/94	NLPH	8.67	6.17#								
	02/02-03/94	NLPH	8.47	6.37	2,900	79	5.0	8.2	21	1300 470[2]	NA	NA
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#								
	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

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	>	<	parts per billion						>
MW-8 cont. (13.45)	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 4,900*	1,300 1,600*	2,600 3,300*	7,200 8,200*	2,600 370@	ND	NA
	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	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	..... >	< ..... parts per billion ..... >							
MW-9												
8(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	<5,000
	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
	06/22/92	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

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station 7-3006
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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-9 cont. (14.64)	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 <5*	<0.5 <5*	<0.5 <5*	<0.5 <5*	<50 <50[2]	ND	NA
	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	---								
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#								
	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

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station 7-3006
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Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	>	<			parts per billion				>
MW-10 cont. (14.05)	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#								
	08/11/93	NLPH	7.20	6.85	<50	<0.5 [*]	<0.5 [*]	0.5 [*]	1.4 [*]	<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#								

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station 7-3006
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Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	>	<	parts per billion						>
MW-10 cont.												
(14.05)	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
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	3.65#								
	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
	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

See notes on page 26 of 26.

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	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	..... >	< ..... parts per billion ..... >							
MW-11 cont.												
(13.55)	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 <5*	0.7 <5*	1.2 <5*	2.7 <5*	<50 <50[2]	ND	NA
	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	160	NA	NA
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

See notes on page 26 of 26.

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	..... >	< ..... parts per billion ..... >							
MW-12 cont.	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#								
	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 13,000*	8,300 11,000*	2,800 4,000*	13,000 15,000*	2,400 190[6]	ND	NA
	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

See notes on page 26 of 26.

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	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	..... >	< ..... parts per billion ..... >							
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#								
	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#								

See notes on page 26 of 26.

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

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)	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 7,700*	2,700 3,700*	2,300 3,500*	11,000 14,000*	2,500 360@	NA	ND
	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
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

See notes on page 26 of 26.

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	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	>	<	parts per billion						>
MW-14 cont. (15.18)	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 <500[5]	180	NA	NA
	07/17/93	NLPH	7.77	7.41#								
	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										
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#								

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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)	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
	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[6]	ND	NA
	09/01/93	Sheen	6.45	7.28#								
	10/26/93	NLPH	7.18	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

See notes on page 26 of 26.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station 7-3006
720 High Street
Oakland, California
(Page 24 of 26)

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	>	<			parts per billion				>
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#								
	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#								
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#								

See notes on page 26 of 26.

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	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	..... >	< ..... parts per billion ..... >							
VW-2 cont.												
(14.09)	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										
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#								

See notes on page 26 of 26.

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X	TPHd	VOCs	TOG
		<	feet	>	<	parts per billion				>		
	Maximum Contaminant Levels (DHS)				—	1.0	—	680	1,750	—	—	—
	Drinking Water Action Levels (DHS)				—	—	100	—	—	—	—	—

Notes:

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

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APPENDIX A

GROUNDWATER SAMPLING PROTOCOL AND WELL PURGE DATA SHEETS

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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 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 an Environmental Protection Agency (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.

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WELL PURGE DATA SHEET

Project Name: [illegible]   Job No. 30006 [illegible]

Date: [illegible]   Page 1 of 1

Well No. [illegible]   Time Started 13:57

Time (hr)	Gallons (cum.)	Temp. (F)	pH	Conduct. (micromoh)	Turbidity (NTU)
13:57					
13:59	8	62.6	6.75	9.78	98.6
14:0[illegible]	13	61.0	6.69	9.58	10.0
14:1[illegible]	2[illegible]	62.0	6.75	9.76	4.8
14:22	35	61.8	6.74	9.66	2.9
14:25	39	63.3	6.73	9.87	2.2
14:27	43	63.6	6.74	9.93	1.7
14:2[illegible]	47				
14:28					

Notes: Grundfos
Conductivity at
([illegible])

Well diameter (inches) : 4
Depth to Bottom (feet) : 2[illegible]
Depth to Water - initial (feet) : 5.60
Depth to Water - final (feet) : 9.19
% recovery : 47
Time Sampled : 16:30
Gallons per Well Casing Volume : 13.33
Gallons Purged : 47
Well Casing Volumes Purged : 3.5
Approximate Pumping Rate (gpm) : 1.6

RESNA
Working to Restore Nature

WELL PURGE DATA SHEET

Project Name: Q & M Exxon 7-3006 Job No. 13006.20

Date: 4/2/96 Page 1 of 1

Well No. MW-1 Time Started 10:10

Time (hr)	Gallons (cum.)	Temp. (F)	pH	Conduct. (micromoh)	Turbidity (NTU)
10:10					
10:10	0	60.0	6.38	5.23	19.5
10:14	17	62.4	6.79	5.32	8.7
10:21	34	64.5	6.82	5.00	5.1
10:42	48	65.5	6.88	5.02	12.3
10:45	51	67.6	6.95	5.15	23.5
10:47	52	Dry at 52 gallons (10:47)			
10:47					

Notes: Grundfos Conductivity cal (1.00)

Well diameter (inches) : 4
Depth to Bottom (feet) : 34.56
Depth to Water - initial (feet) : 3.47
Depth to Water - final (feet) : 4.27
% recovery : 97
Time Sampled : 14:00
Gallons per Well Casing Volume : 17.0
Gallons Purged : 52
Well Casing Volumes Purged : 3.1
Approximate Pumping Rate (gpm) : 1.4

RESNA
Working to Restore Nature

WELL PURGE DATA SHEET

Project Name: G & E Exxon 1-3006 Job No. 13006.2

Date: ~~2/2/94~~ 2/3/94 Page 1 of 1

Well No. GW 1C Time Started 14:43

Time (hr)	Gallons (cum.)	Temp. (F)	pH	Conduct. (micromoh)	Turbidity (NTU)
14:43					
14:43	6	62.5	6.77	5.53	5.8
14:52	11	64.5	6.81	5.60	1.5
15:02	22	64.1	6.71	5.40	1.3
	26	Dry at 26 gallons (15:07)			
15:07					

Notes: Groundfas Conductivity at (x 100)

Well diameter (inches) : 4
Depth to Bottom (feet) : 24.94
Depth to Water - initial (feet) : 3.06
Depth to Water - final (feet) : 7.96
% recovery : 100
Time sampled : 10:30 2/3/94
Gallons per Well Casing Volume : 11.06
Gallons Purged : 26
Well Casing Volumes Purged : 2.4
Approximate Pumping Rate (gpm) : 1.1

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Working to Restore Nature

WELL PURGE DATA SHEET

Project Name: QM Exxon 7-2006 **Job No.** 300026.20

Date: 2/2/94 **Page** 1 **of** 1

Well No. MW-11 **Time Started** 15:24

Time (hr)	Gallons (cum.)	Temp. (F)	pH	Conduct. (micromoh)	Turbidity (NTU)
15:24					
15:24	0	62.7	6.68	7.69	18.6
15:34	13	63.2	6.66	7.74	4.6
15:44	26	62.8	6.63	7.65	2.8
15:54	35	63.1	6.67	7.72	15.0
16:00	34	63.	6.68	7.79	59.4
16:02	41				
16:02					

Notes: Grundfos Conductivity at (1100)

Well diameter (inches) : 4
Depth to Bottom (feet) : 30.11 9.56
Depth to Water - initial (feet) :
Depth to Water - final (feet) : 10.19
% recovery : 97
Time Sampled : 13:30 2/3/94
Gallons per Well Casing Volume : 13.42
Gallons Purged : 41
Well Casing Volumes Purged : 3.1
Approximate Pumping Rate (gpm) : 1.1

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Working to Restore Nature

WELL PURGE DATA SHEET

Project Name: Q of Exxon 7-3006 **Job No.** 130006.20

Date: 2/3/94 **Page** 1 **of** 1

Well No. MW-12 **Time Started** 12:13

Time (hr)	Gallons (cum.)	Temp. (F)	pH	Conduct. (micromoh)	Turbidity (NTU)
12:13					
12:13	0	64.7	6.57	7.93	29.1
12:14	5	65.4	6.60	7.90	15.7
12:27	10	65.9	6.64	7.75	1.3
12:30	13	66.1	6.65	7.75	1.0
12:33	15	66.4	6.65	7.77	0.9
12:34	16.5				
12:34					

Notes:

Well diameter (inches)	: 4
Depth to Bottom (feet)	: 14.65
Depth to Water - initial (feet)	: 3.22
Depth to Water - final (feet)	: 3.24
% recovery	: 100
Time Sampled	: 15:00
Gallons per Well Casing Volume	: 4.9
Gallons Purged	: 16.5
Well Casing Volumes Purged	: 3.4
Approximate Pumping Rate (gpm)	: 0.8

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WELL PURGE DATA SHEET

Project Name: Q'ed Exxon 7-3086 Job No. 130006.20

Date: 2/3/94 Page 1 of 1

Well No. MW-13 Time Started 11:48

Time (hr)	Gallons (cum.)	Temp. (F)	pH	Conduct. (micromoh)	Turbidity (NTU)
11:48					
11:48	0	66.6	6.60	8.88	10.0
11:52	4	67.5	6.65	8.50	9.2
11:54	8	66.8	6.62	8.83	5.2
12:01	9	Dry at 9 gallons			
12:01					

Notes: Grundfos. Conductivity at (X/CC) Color

Well diameter (inches) : 4
Depth to Bottom (feet) : 15.28
Depth to Water - initial (feet) : 8.75
Depth to Water - final (feet) : 8.68
% recovery : 100
Time Sampled : 14:45
Gallons per Well Casing Volume : 4.3
Gallons Purged : 9
Well Casing Volumes Purged : 2.1
Approximate Pumping Rate (gpm) : 0.7

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WELL PURGE DATA SHEET

Project Name: Exxon 7-3006 Job No. 130006.20

Date: 2/3/94 Page 1 of 1

Well No. MW-5 Time Started 11:19

Time (hr)	Gallons (cum.)	Temp. (F)	pH	Conduct. (micromoh)	Turbidity (NTU)
11:19					
11:19	0	65.9	6.66	12.73	241
11:24	6	65.1	6.68	12.76	28.4
11:31	12	66.1	6.71	13.35	9.4
11:34	13.5	Dry at 13.5 gallons			
11:34					

Notes: Bruker Conductivity at (X100) Celcius

Well diameter (inches) : 4
Depth to Bottom (feet) : 16.78
Depth to Water - initial (feet) : 7.30
Depth to Water - final (feet) : 8.60
% recovery : 86
Time Sampled : 14:25
Gallons per Well Casing Volume : 6.2
Gallons Purged : 13.5
Well Casing Volumes Purged : 2.2
Approximate Pumping Rate (gpm) : 6.9

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APPENDIX B

LABORATORY ANALYSIS REPORTS AND CHAIN OF CUSTODY RECORDS

130006.20

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REPORT OF LABORATORY ANALYSIS

February 11, 1994

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

RE: PACE Project No. 440204.508
Client Reference: Exxon 7-3006 (EE)

Dear Mr. Briggs:

Enclosed is the report of laboratory analyses for samples received February 04, 1994.

Footnotes are given at the end of the report.

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

Sincerely,

Carol Reed

for Stephanie Matzo
Project Manager

Enclosures

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Novato, CA 94949
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FAX: 415-883-2673

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REPORT OF LABORATORY ANALYSIS

RESNA
3315 Almaden Expressway Suite 34
San Jose, CA 95118

February 11, 1994
PACE Project Number: 440204508

Attn: Mr. Marc Briggs

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0240433	
Date Collected:			02/02/94	
Date Received:			02/04/94	
Client Sample ID:			R-1	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	02/07/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	02/07/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	02/07/94
Benzene	ug/L	0.5	ND	02/07/94
Toluene	ug/L	0.5	0.7 (1)	02/07/94
Ethylbenzene	ug/L	0.5	ND	02/07/94
Xylenes, Total	ug/L	0.5	ND	02/07/94

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February 11, 1994
PACE Project Number: 440204508

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0240441	
Date Collected:			02/02/94	
Date Received:			02/04/94	
Client Sample ID:			W-9-MW1	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	02/07/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	02/07/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	02/07/94
Benzene	ug/L	0.5	ND	02/07/94
Toluene	ug/L	0.5	ND	02/07/94
Ethylbenzene	ug/L	0.5	ND	02/07/94
Xylenes, Total	ug/L	0.5	0.7	02/07/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.07	02/09/94
Date Extracted			02/08/94	

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February 11, 1994
PACE Project Number: 440204508

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0240468	
Date Collected:			02/03/94	
Date Received:			02/04/94	
Client Sample ID:			W-7-MW10	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS			-	02/07/94
TOTAL FUEL HYDROCARBONS, (LIGHT):				
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	02/07/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	02/07/94
Benzene	ug/L	0.5	ND	02/07/94
Toluene	ug/L	0.5	1.0	02/07/94
Ethylbenzene	ug/L	0.5	ND	02/07/94
Xylenes, Total	ug/L	0.5	1.8	02/07/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	ND	02/09/94
Date Extracted			02/08/94	

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February 11, 1994
PACE Project Number: 440204508

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0240484	
Date Collected:			02/03/94	
Date Received:			02/04/94	
Client Sample ID:			W-10-MW11	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS			-	02/07/94
TOTAL FUEL HYDROCARBONS, (LIGHT):				
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	02/07/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	02/07/94
Benzene	ug/L	0.5	ND	02/07/94
Toluene	ug/L	0.5	1.0	02/07/94
Ethylbenzene	ug/L	0.5	ND	02/07/94
Xylenes, Total	ug/L	0.5	0.9	02/07/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.16	02/09/94
Date Extracted			02/08/94	

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February 11, 1994
PACE Project Number: 440204508

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0240506	
Date Collected:			02/03/94	
Date Received:			02/04/94	
Client Sample ID:			W-9-MW7	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	02/08/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	2900	02/08/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	02/08/94
Benzene	ug/L	0.5	79	02/08/94
Toluene	ug/L	0.5	5.0	02/08/94
Ethylbenzene	ug/L	0.5	8.2	02/08/94
Xylenes, Total	ug/L	0.5	21	02/08/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	1.3	02/09/94
Extractable Fuels, as Stoddard Solvent	mg/L	0.05	0.47	02/09/94
Date Extracted			02/08/94	

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Mr. Marc Briggs
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February 11, 1994
PACE Project Number: 440204508

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0240522	
Date Collected:			02/03/94	
Date Received:			02/04/94	
Client Sample ID:			W-8-MW15	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	02/08/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	4300	02/08/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	02/08/94
Benzene	ug/L	0.5	24	02/08/94
Toluene	ug/L	0.5	6.7	02/08/94
Ethylbenzene	ug/L	0.5	170	02/08/94
Xylenes, Total	ug/L	0.5	26	02/08/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	1.2	02/09/94
Date Extracted			02/08/94	

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February 11, 1994
PACE Project Number: 440204508

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0240530	
Date Collected:			02/03/94	
Date Received:			02/04/94	
Client Sample ID:			W-8-MW13	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	02/07/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	5000	41000	02/07/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	02/07/94
Benzene	ug/L	50	3800	02/07/94
Toluene	ug/L	50	1500	02/07/94
Ethylbenzene	ug/L	50	2700	02/07/94
Xylenes, Total	ug/L	50	9500	02/07/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.25	8.1	02/10/94
Date Extracted			02/08/94	

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Mr. Marc Briggs
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February 11, 1994
PACE Project Number: 440204508

Client Reference: Exxon 7-3006 (EE)

Parameter	Units	MDL		DATE ANALYZED
PACE Sample Number:			70 0240549	
Date Collected:			02/02/94	
Date Received:			02/04/94	
Client Sample ID:			W-7-MW12	
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	02/07/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	5000	48000	02/07/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	02/07/94
Benzene	ug/L	50	4000	02/07/94
Toluene	ug/L	50	2700	02/07/94
Ethylbenzene	ug/L	50	2900	02/07/94
Xylenes, Total	ug/L	50	9900	02/07/94
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.25	18	02/10/94
Date Extracted			02/08/94	

These data have been reviewed and are approved for release.

Darrell C. Cain
Regional Director

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Mr. Marc Briggs
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FOOTNOTES
for pages 1 through 8

February 11, 1994
PACE Project Number: 440204508

Client Reference: Exxon 7-3006 (EE)

MDL	Method Detection Limit
ND	Not detected at or above the MDL.
(1)	Compound confirmed by secondary column.

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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QUALITY CONTROL DATA

February 11, 1994
PACE Project Number: 440204508

Client Reference: Exxon 7-3006 (EE)

EXTRACTABLE FUELS EPA 3510/8015
Batch: 70 28215
Samples: 70 0240441, 70 0240468, 70 0240484, 70 0240506, 70 0240522
70 0240530, 70 0240549

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Extractable Fuels	mg/L	0.05	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Extractable Fuels	mg/L	0.05	1.00	70%	68%	2%

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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QUALITY CONTROL DATA

February 11, 1994
PACE Project Number: 440204508

Client Reference: Exxon 7-3006 (EE)

PURGEABLE FUELS AND AROMATICS
Batch: 70 28147
Samples: 70 0240506, 70 0240522, 70 0240530, 70 0240549

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	700240506 W-9-MW7	Spike	Spike Recv	Spike Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M	ug/L	50	2900	1000	6%	6%	0%
Benzene	ug/L	0.5	79	40	44%	31%	34% (1)
Toluene	ug/L	0.5	5.0	40	83%	77%	7%
Ethylbenzene	ug/L	0.5	8.2	40	75%	67%	11%
Xylenes, Total	ug/L	0.5	21	120	82%	76%	7%

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	113%	113%	0%
Benzene	ug/L	0.5	40	113%	113%	0%
Toluene	ug/L	0.5	40	110%	110%	0%
Ethylbenzene	ug/L	0.5	40	113%	113%	0%
Xylenes, Total	ug/L	0.5	120	108%	108%	0%

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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QUALITY CONTROL DATA

February 11, 1994
PACE Project Number: 440204508

Client Reference: Exxon 7-3006 (EE)

PURGEABLE FUELS AND AROMATICS
Batch: 70 28156
Samples: 70 0240433, 70 0240441, 70 0240468, 70 0240484

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

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	99%	100%	1%
Benzene	ug/L	0.5	40	103%	101%	1%
Toluene	ug/L	0.5	40	100%	99%	1%
Ethylbenzene	ug/L	0.5	40	102%	96%	6%
Xylenes, Total	ug/L	0.5	120	103%	98%	4%

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Mr. Marc Briggs
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FOOTNOTES
for pages 10 through 12

February 11, 1994
PACE Project Number: 440204508

Client Reference: Exxon 7-3006 (EE)

MDL	Method Detection Limit
ND	Not detected at or above the MDL.
RPD	Relative Percent Difference
(1)	Significant RPD exist due to matrix interferences found in the sample.

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440204.508

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EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

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

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

Consultant's Name: BESNA — Page 1 of 2

Address: 3315 Almaden Expwy., #34 San Jose CA 95118 — Site Location: 720 High St.

Project #: — Consultant Project #: 130006.20 — Consultant Work Release #: 08300303

Project Contact: Jeane Buckthal/Mark Briggs — Phone #(408) 264-7723 Fax #264-2435 — Laboratory Work Release #:

EXXON Contact: Marla Guensler ☑ EE ☐ C&M — Phone #(510) 246-8776 Fax #: — EXXON RAS #: 7-3006

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)

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	PACE Sample #	TPH/GAS/BTEX EPA 8015/8020	TPH/Diesel EPA 8015	TRPH EPA 418.1	Hold									COMMENTS
Rinsate	2/2/94	H_2O	HCL	2	24042.5				X									
B1	"		"	2	24043.3	X												
W-9-MW1	"		"	3	24044.1	X												
W-9-MW1d	"		—	2			X											
B10	2/3/94		HCL	2	24045.0				X									
W-7-MW10			"	3	24046.8	X												
W-7-MW10d			—	2			X											
B11			HCL	2	24047.6				X									
W-10-MW11			"	3	24048.8	X												
W-10-MW11d	↓	↓	—	2			X											

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time
[signature]	2/3/94	5:00	[signature] - Pace	2/4/94	1400
[signature] Pace	2/4/94	1630	[signature] - Pace	2/4/94	1630

Additional Comments:

10/1, c/4

pace INCORPORATED
THE ASSURANCE OF QUALITY

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

440204.508

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

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

Consultant's Name: RESNA — Page 2 of 2

Address: 3315 Almaden Expwy. #34 San Jose CA 95118 — Site Location: 720 High St.

Project #: — Consultant Project #: 130006.20 — Consultant Work Release #: 93300308

Project Contact: Jeanne Burkhead/Mark Briggs — Phone #: (408) 264-7723 Fax #: 264-2434 — Laboratory Work Release #:

EXXON Contact: Marla Guenster ☑ EE ☐ C&M — Phone #: (510) 246-8776 Fax #: — EXXON RAS #: 7-3006

Sampled by (print): Chris Allen — Sampler's Signature: Chris Allen

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	PACE Sample #	TPH/GAS/BTEX EPA 8015/8020	TPH/Diesel EPA 8015	TRPH EPA 418.1	Halogenated Volatile Organics 8010	COMMENTS
R7	2/3/94	H_2O	HCl	2	240492				X	
W-9-MW7			"	3	240506	X				
W-9-MW7R			—	2			X		X	
R15			HCl	2	240514				X	
W-8-MW15			"	3	240522	X				
W-8-MW15R			—	2			X			
W-8-MW13			HCl	3	240530	X				
W-8-MW13R			—	2			X			
W-7-MW12			HCl	3	240549	X				
W-7-MW12R			—	2			X			

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time
Chris Allen	2/3/94	5:00	Ed Hall/PACE	2/4/94	1700
Ed Hall/PACE	2/4/94	1630	Jim McLeod/PACE	2/4/94	1630

Additional Comments: 10 l, c/4

Distribution: White - Original; Yellow - Exxon; Pink - Lab; Goldenrod - Consultant Field Staff