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

ALCO
HAZMAT
93 NOV 10 AM 10: 59

November 8, 1993

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 **Quarterly Groundwater Monitoring Third Quarter 1993** 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 July through September 1993.

The design phase for the remediation system proposed for the site is complete. The system is currently in permitting and bid stage. Exxon anticipates construction and installation in the December time frame. French drain system.

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

Still waiting for offsite well approvals.

Sincerely,

Marla D. Guensler

Marla D. Guensler
Senior Environmental Engineer

MDG/mdg

attachment: RESNA Letter Report Dated 10/21/93

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

w/o attachment:
Mr. Marc Briggs - RESNA Industries, Inc.

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
Third Quarter 1993
at
Exxon Station 7-3006
720 High Street
Oakland, California

10/21/93

130006.01

RESNA
Working To Restore Nature

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

October 21, 1993
0909MGUE
130006.01

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

Subject: Letter Report, Quarterly Groundwater Monitoring, Third Quarter 1993 at Exxon Station 7-3006, 720 High Street, Oakland, California

Ms. Guensler:

As requested by Exxon Company U.S.A., this letter report summarizes the methods and results of third quarter 1993 groundwater monitoring performed by RESNA Industries Inc. (RESNA) at the subject site. The site is located at 720 High Street, in a predominantly industrial area of Oakland, California (Plate 1, Site Vicinity Map). The site is bound on the northwest by High Street, on the southwest by Coliseum Way, on the northeast by a former dry-cleaning facility, on the south by Alameda Avenue, and on the southeast by a vacant lot, as shown on Plate 2, Generalized Site Plan. The objectives of quarterly monitoring are to evaluate trends in the groundwater gradient and flow direction, and trends in concentrations of gasoline and diesel hydrocarbons in the local groundwater associated with a former used-oil and three former gasoline underground storage tanks (USTs) at the site.

Prior to the present monitoring, RESNA (formerly Applied GeoSystems [AGS]) performed an environmental investigation related to the removal of four USTs in April 1987 (AGS, May 13, 1987; July 10, 1987; and October 16, 1989), and an environmental investigation between September 1987 and May 1988 that included drilling nine boreholes (B-1 through B-9) around the former UST locations and installing groundwater monitoring wells MW-1 through MW-9 in the boreholes (AGS, August 5, 1988). RESNA performed a Supplemental Subsurface Investigation that included drilling eleven boreholes (B-10 through B-20) and installing groundwater monitoring wells MW-10 through MW-13 in boreholes B-10 through B-13 in November 1989 (AGS, January 30, 1990), and drilling boreholes B-21 through B-32 and installing groundwater monitoring wells MW-14 and MW-15 in boreholes B-31 and B-32 in November 1990 (AGS, May 21, 1991). Quarterly monitoring was initiated by RESNA in the second quarter 1989 (AGS, October 16, 1989). On February 18, 1993, petrotraps were installed in wells MW-2, MW-4, and MW-6. A limited records search was completed for

the site and surrounding area (RESNA, March 24, 1993). RESNA performed a Interim Remediation Investigation that included drilling four boreholes (B-35, B-35A, B-36, and B-37) and installing vapor extraction wells VE-1 through VE-3 in boreholes B-35A, B-36, and B-37), conducting a vapor extraction test, and conducting a pumping test in February and March 1993 (RESNA, April 16, 1993). The locations of the wells and pertinent site facilities are shown on Plate 2. The results of these investigations are presented in the reports listed in the references section.

Groundwater Sampling and Gradient Evaluation

RESNA personnel measured depth-to-water (DTW) levels on July 17 and September 1, 1993, and performed quarterly sampling and DTW measurements on August 11 and 12, 1993, on the one offsite monitoring well (MW-1), eleven onsite monitoring wells (MW-3, and MW-7 through MW-15), and three onsite vapor extraction wells (VE-1 through VE-3). Monitoring well MW-5 was destroyed in July 1989. Wells MW-2, MW-4, and MW-6 were not monitored for DTW or sampled because they contain Petrotraps. Field work during this quarter consisted of measuring DTW levels, subjectively analyzing water from the wells for the presence of free-phase hydrocarbons, removal of any free-phase hydrocarbons encountered, and purging and sampling the groundwater from monitoring wells MW-1, MW-3, and MW-7 through MW-15 for laboratory analysis. Free-phase hydrocarbons were observed in groundwater in wells MW-2, MW-4, and MW-6; therefore these wells were not sampled. It was anticipated that vapor extraction wells VW-1 through VW-3 would be sampled. However, because these wells recharged slowly after purging, samples were not collected. During July through September 1993, approximately 3 cups of free-phase hydrocarbons was removed from the petrotrap in well MW-2, approximately 9/10 of a gallon of free-phase hydrocarbons was removed from the petrotrap in well MW-4, and approximately 1/2 cup was removed from the petrotrap in well MW-6. Results of subjective analyses are summarized in Table 1, Cumulative Groundwater Monitoring Data. Field methods used by RESNA personnel are described in RESNA's Groundwater Sampling Protocol (RESNA, July 26, 1993).

RESNA calculated groundwater elevations for each well by subtracting the measured DTW, including corrections for product thickness when necessary, from the elevation of the wellhead. The measured DTW levels, product thickness, wellhead elevations, and groundwater elevations for this and previous monitorings at the site are summarized in Table 1. Based on the July 17, August 11 and September 1, 1993, groundwater elevation data, the interpreted local groundwater gradients were interpreted to be 0.02, with general flow directions toward the southwest. RESNA's interpretation of the local groundwater gradients for this quarter are shown on Plates 3 through 5, Groundwater Gradient Map. These groundwater gradients and flow direction are generally consistent with those previously interpreted.

Monitoring wells MW-1, MW-3, and MW-7 through MW-15 were purged and sampled in accordance with RESNA's groundwater sampling protocol (RESNA, July 26, 1993). Well purge data sheets for the monitored parameters temperature, turbidity, pH, and conductivity for the monitoring wells are included in Appendix A.

Results of Laboratory Analysis

Groundwater samples collected from monitoring wells MW-1, MW-3, and MW-7 through MW-15, were analyzed for gasoline constituents benzene, toluene, ethylbenzene, and total xylenes (BTEX) and total petroleum hydrocarbons as gasoline (TPHg) using modified Environmental Protection Agency (EPA) Methods 5030/8015/8020; total petroleum hydrocarbons as diesel (TPHd) using modified EPA Methods 3510/8015; volatile organics using EPA method 624; and for Stoddard Solvent using modified EPA methods 5030/8015. Groundwater samples were analyzed by PACE Incorporated Laboratories (California Hazardous Waste Testing Laboratory Certification No. 1282) in Novato, California. The laboratory analysis reports and chain of custody records for the groundwater samples are included in Appendix B, Laboratory Analysis Reports and Chain of Custody Records.

The chemical analytical results of this, and previous, quarterly monitorings are summarized in Table 2, Cumulative Results of Laboratory Analyses of Groundwater Samples. Graphic distributions of TPHg, TPHd, and benzene concentrations in the local groundwater for this quarterly monitoring are shown on Plate 6, TPHg/TPHd/Benzene Concentrations in Groundwater.

Results of this quarter's laboratory analyses of groundwater samples from wells MW-1, MW-3, and MW-7 through MW-15 indicate:

- TPHg, benzene, and TPHd concentrations were not detected in wells MW-1, MW-9, MW-10 and MW-11;
- TPHg was detected in wells MW-3, MW-7, MW-8, and MW-12 through MW-15 at concentrations ranging from 0.180 ppm (MW-14) to 94 parts per million [ppm] (MW-12);
- TPHd was detected in wells MW-3, MW-7, MW-8, and MW-12 through MW-15 at concentrations ranging from 0.18 ppm (MW-14) to 3.2 ppm (MW-3);
- Stoddard Solution was not detected in wells MW-1, MW-9, MW-10 and MW-11. Stoddard Solution was detected in wells MW-3, MW-7, MW-8, and MW-12 through MW-15 at concentrations ranging from 0.140 ppm (MW-3, MW-14) to 2.0 ppm (MW-7). However, laboratory analysis reports indicate that

these results were not representative of Stoddard Solvent chromatogram but were more representative of the heavier hydrocarbons found in gasoline;

- benzene was either not detected or less than the California Department of Health Service (DHS) Maximum Contaminant Level (MCL) of 0.001 ppm benzene in drinking water in wells MW-1, MW-9, MW-10, MW-11, and MW-14. Benzene was detected in wells MW-3, MW-7, MW-8, MW-12, MW-13, and MW-15 at concentrations ranging from 0.049 ppm (MW-15) to 10 ppm (MW-12), which is above the MCL of 0.001 ppm in drinking water;

- toluene, ethylbenzene, and total xylenes were detected in wells MW-8, MW-12 and MW-13 at concentrations greater than the DHS Drinking Water Action Level (DWAL) of 0.100 ppm toluene, and MCLs of 0.680 ppm ethylbenzene and 1.750 ppm total xylenes in drinking water. Toluene, ethylbenzene, and total xylenes were either not detected or less than the DWAL and MCLs in wells MW-1, MW-3, MW-7, MW-9 through MW-11, MW-14, and MW-15;

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, please call (408) 264-7723.

Sincerely,
RESNA Industries Inc.

Christian O. Allen
Geologic Technician

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

James L. Nelson
C.E.G. No. 1463

Enclosures: References

Plate 1, Site Vicinity Map
Plate 2, Generalized Site Plan
Plate 3, Groundwater Gradient Map (July 17, 1993)
Plate 4, Groundwater Gradient Map (August 11, 1993)
Plate 5, Groundwater Gradient Map (September 1, 1993)
Plate 6, TPHg/TPHd/Benzene Concentrations in Groundwater

Table 1: Cumulative Groundwater Monitoring Data
Table 2: Cumulative Results of Laboratory Analyses of Groundwater Samples
Table 3: Results of Additional Laboratory Analyses of Water Samples from Well MW-7 on March 11, 1993

Appendix A: Well Purge Data Sheets
Appendix B: Laboratory Analysis Reports and Chain of Custody Records

REFERENCES

Applied GeoSystems. May 13, 1987. Letter Report for First Phase Soil Contamination Investigation, Exxon Station No. 7-3006, Oakland, California. Job No. 87042-1.

Applied GeoSystems. July 10, 1987. Report of Excavation, Aeration, and Removal of Contaminated Soil Including Soil Sampling and Analyses, Exxon Station No. 7-3006, Oakland, California. Job No. 87042-2.

Applied GeoSystems. August 5, 1988. Report of Subsurface Environmental Investigation, Exxon Station No. 7-3006, Oakland, California. Job No. 87042-5.

Applied GeoSystems. July 8, 1989. Site Safety Plan, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-6S.

Applied GeoSystems. October 16, 1989. Report on Subsurface Environmental Investigation, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-6.

Applied GeoSystems. January 30, 1990. Report on Limited Environmental Investigation, Exxon Station 7-3006, 720 High Street, Oakland, California. Job No. 87042-6R.

Applied GeoSystems. January 30, 1991. Letter Report on Ground-Water Monitoring for Fourth Quarter 1990, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-9.

Applied GeoSystems. May 21, 1991. Report on Supplemental Subsurface Environmental Investigation, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-9R.

Applied GeoSystems. October 10, 1991. Interim Groundwater Remediation Work Plan, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-9RAP.

Clark, John W., et al., 1977. Water Supply and Pollution Control. Harper & Row.

RESNA Industries, Inc. June 15, 1992. Letter Report on Groundwater Monitoring for First Quarter 1992, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-11.

RESNA Industries, Inc. October 21, 1992. Letter Report on Groundwater Monitoring for Second Quarter 1992, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-11.

REFERENCES
(continued)

RESNA Industries, Inc. November 9, 1992. Letter Report on Groundwater Monitoring for Third Quarter 1992, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-11.

RESNA Industries, Inc. December 2, 1992. Addendum One to the Interim Ground Water Remediation Work Plan, Former Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 62034.01.

RESNA Industries, Inc. January 18, 1993. Addendum One to the Interim Groundwater Remediation Work Plan to Perform an Interim Remediation Environmental Investigation at the Former Exxon Station 7-3006, 720 High Street, Oakland, California. Job No. 62034.01A.

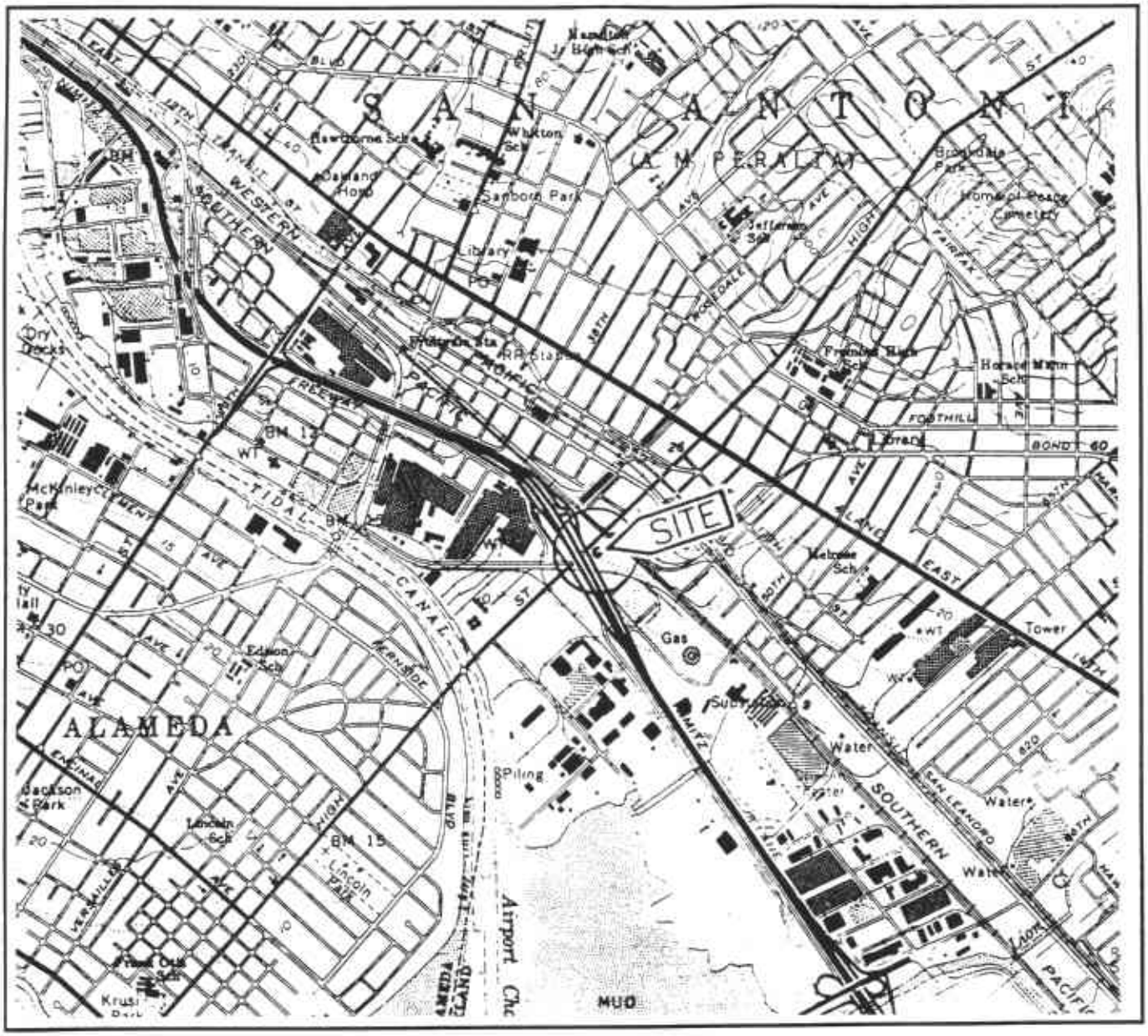
RESNA Industries, Inc. February 1, 1993. Letter Report on Groundwater Monitoring for Fourth Quarter 1992, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-11.

RESNA Industries, Inc. March 24, 1993. Findings of the Limited Record Search for the Former Exxon Station 7-3006 Located at 720 High Street, Oakland, California. Job No. 62034.02.

RESNA Industries, Inc. April 16, 1993. Interim Remediation Environmental Investigation at the Former Exxon Station 7-3006, 720 High Street, Oakland, California. Job No. 130006.02.

RESNA Industries, Inc. May 5, 1993. Letter Report on Groundwater Monitoring for First Quarter 1993, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 130006.01.

RESNA Industries, Inc. July 26, 1993. Letter Report on Groundwater Monitoring for Second Quarter 1993, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 130006.01.



Base: U.S. Geological Survey
7.5–Minute Quadrangles
Oakland East, California.
Photorevised 1980

N

LEGEND

⊙ = Site Location

Approximate Scale

2000 1000 0 2000 4000

feet

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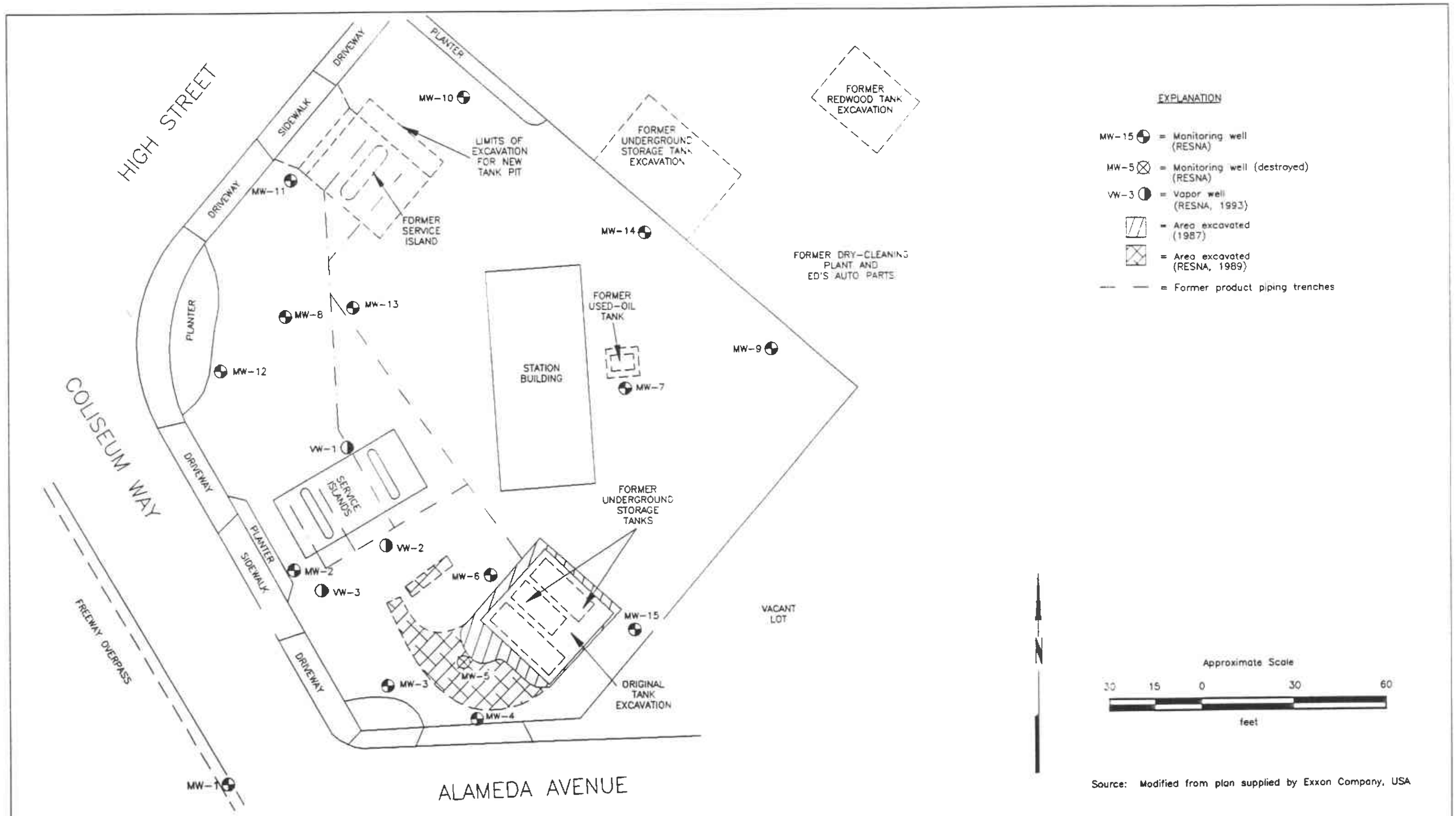
SITE VICINITY MAP
Former Exxon Station 7-3006
720 High Steet
Oakland, California

PLATE
1



Source: Modified from plan supplied by Exxon Company, USA

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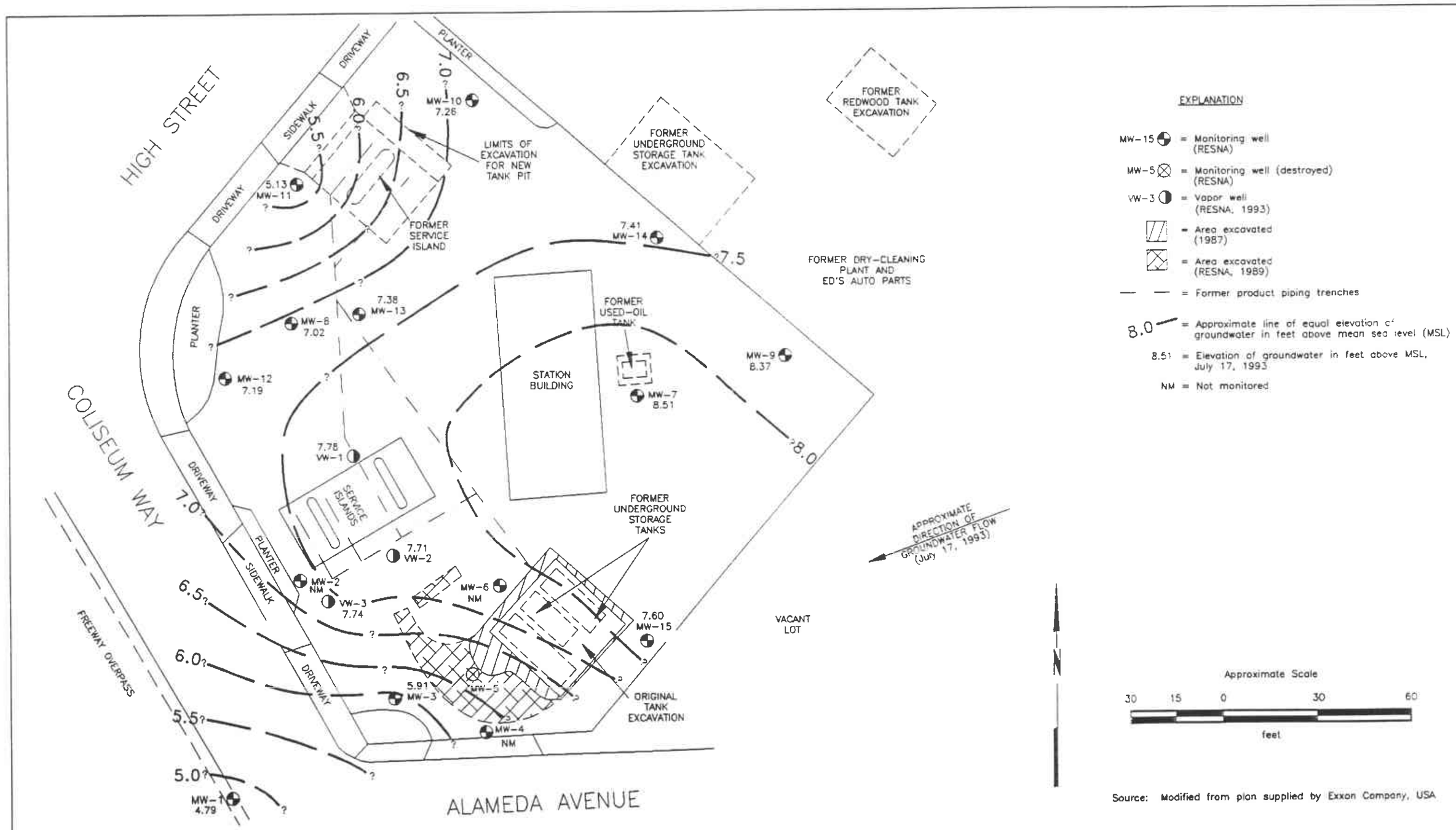
GENERALIZED SITE PLAN
Exxon Station 7-3006
720 High Street
Oakland, California

PLATE
2



EXPLANATION

- MW-15 = Monitoring well (RESNA)
- MW-5 = Monitoring well (destroyed) (RESNA)
- VW-3 = Vapor well (RESNA, 1993)
- = Area excavated (1987)
- = Area excavated (RESNA, 1989)
- — — = Former product piping trenches
- 8.0 = Approximate line of equal elevation of groundwater in feet above mean sea level (MSL)
- 8.51 = Elevation of groundwater in feet above MSL, July 17, 1993
- NM = Not monitored

Source: Modified from plan supplied by Exxon Company, USA

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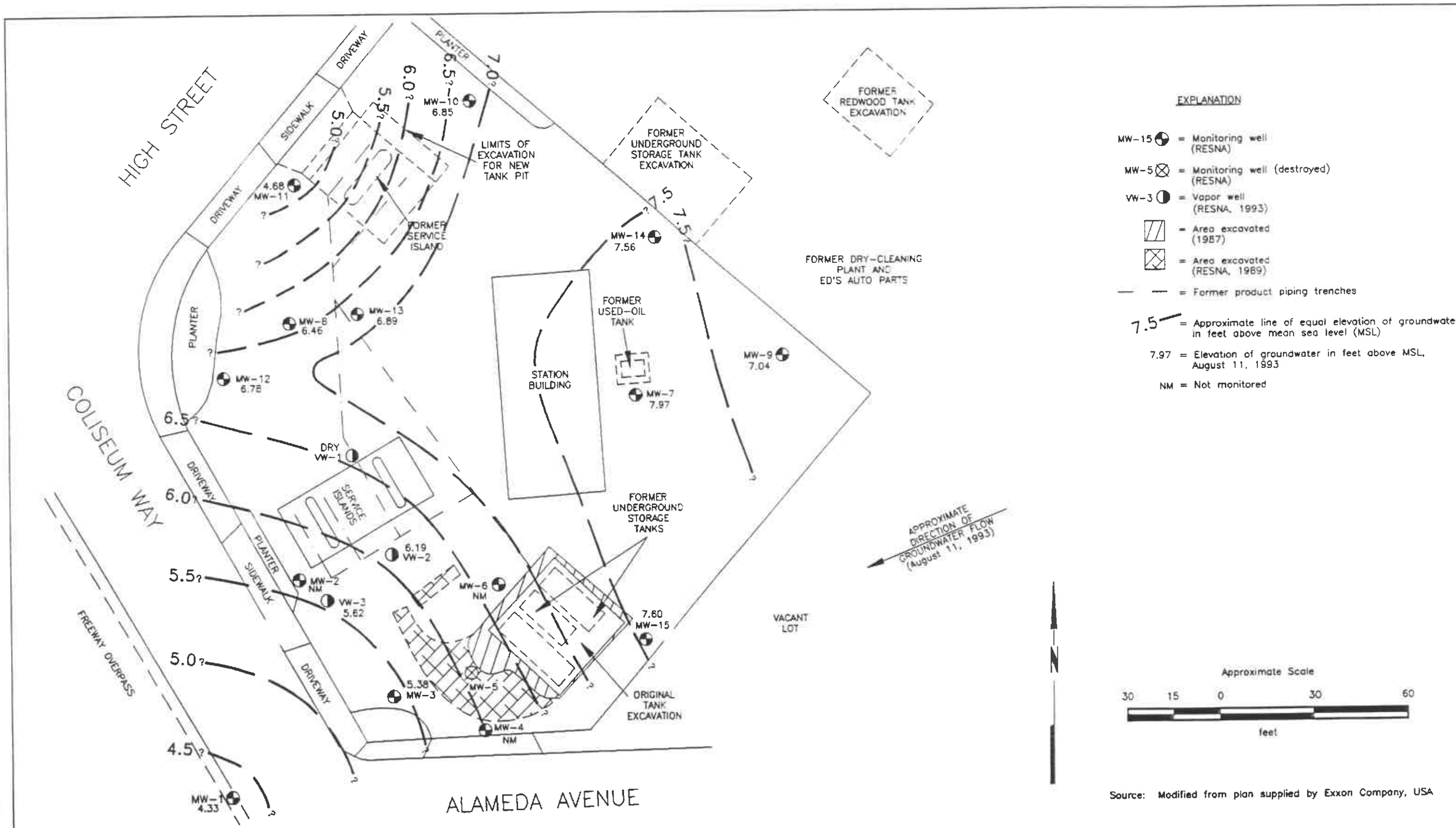
GROUNDWATER GRADIENT MAP
July 17, 1993
Exxon Station 7-3006
720 High Street
Oakland, California

PLATE 3



EXPLANATION

- MW-15 ◔ = Monitoring well (RESNA)
- MW-5 ⊗ = Monitoring well (destroyed) (RESNA)
- VW-3 ◑ = Vapor well (RESNA, 1993)
- // = Area excavated (1987)
- ⊠ = Area excavated (RESNA, 1989)
- — — = Former product piping trenches
- 7.5 = Approximate line of equal elevation of groundwater in feet above mean sea level (MSL)
- 7.97 = Elevation of groundwater in feet above MSL, August 11, 1993
- NM = Not monitored

Source: Modified from plan supplied by Exxon Company, USA

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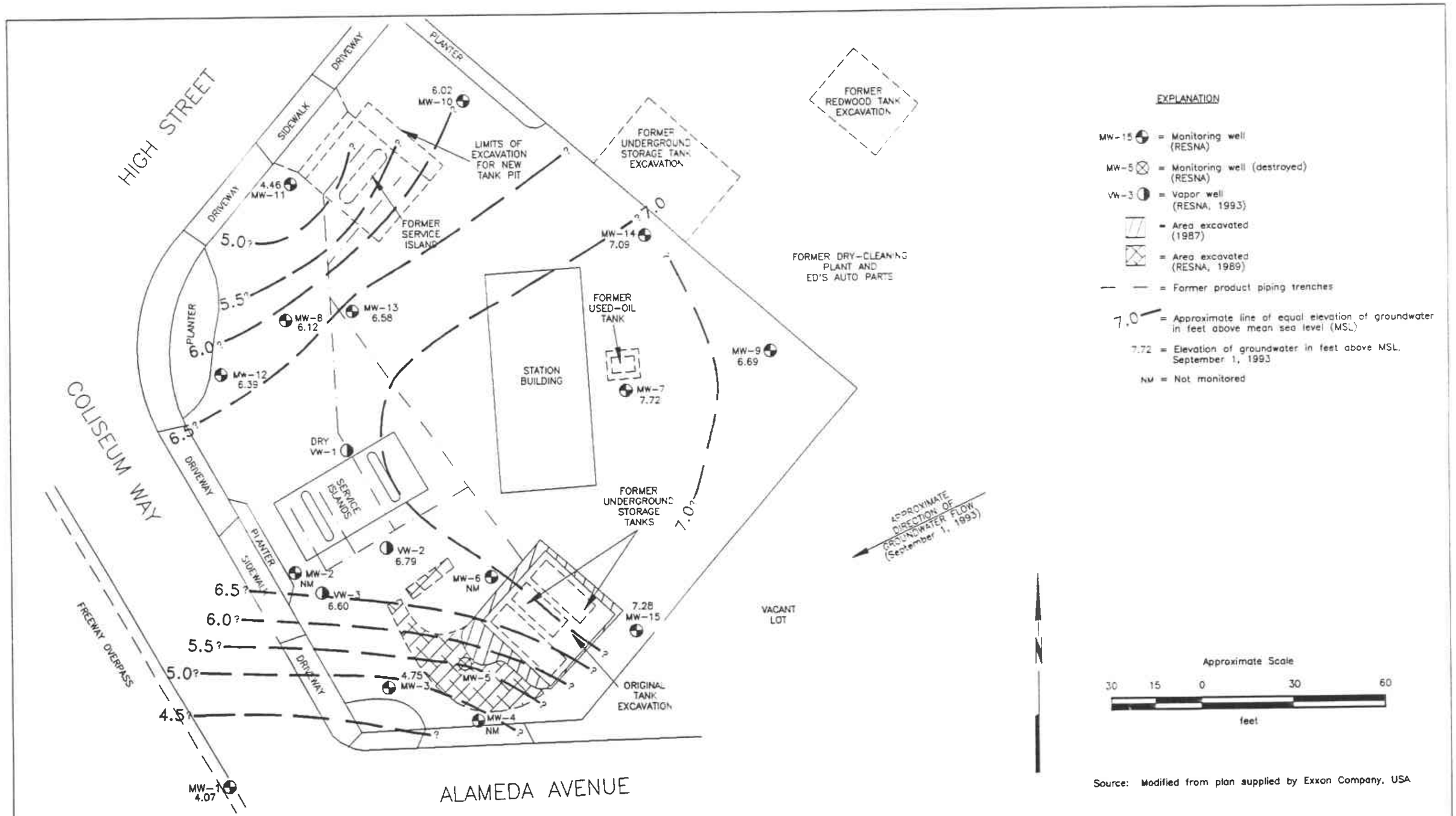
GROUNDWATER GRADIENT MAP
August 11, 1993
Exxon Station 7-3006
720 High Street
Oakland, California

PLATE 4



EXPLANATION

- MW-15 = Monitoring well (RESNA)
- MW-5 = Monitoring well (destroyed) (RESNA)
- VW-3 = Vapor well (RESNA, 1993)
- = Area excavated (1987)
- = Area excavated (RESNA, 1989)
- — — = Former product piping trenches
- 7.0 = Approximate line of equal elevation of groundwater in feet above mean sea level (MSL)
- 7.72 = Elevation of groundwater in feet above MSL, September 1, 1993
- NM = Not monitored

Source: Modified from plan supplied by Exxon Company, USA

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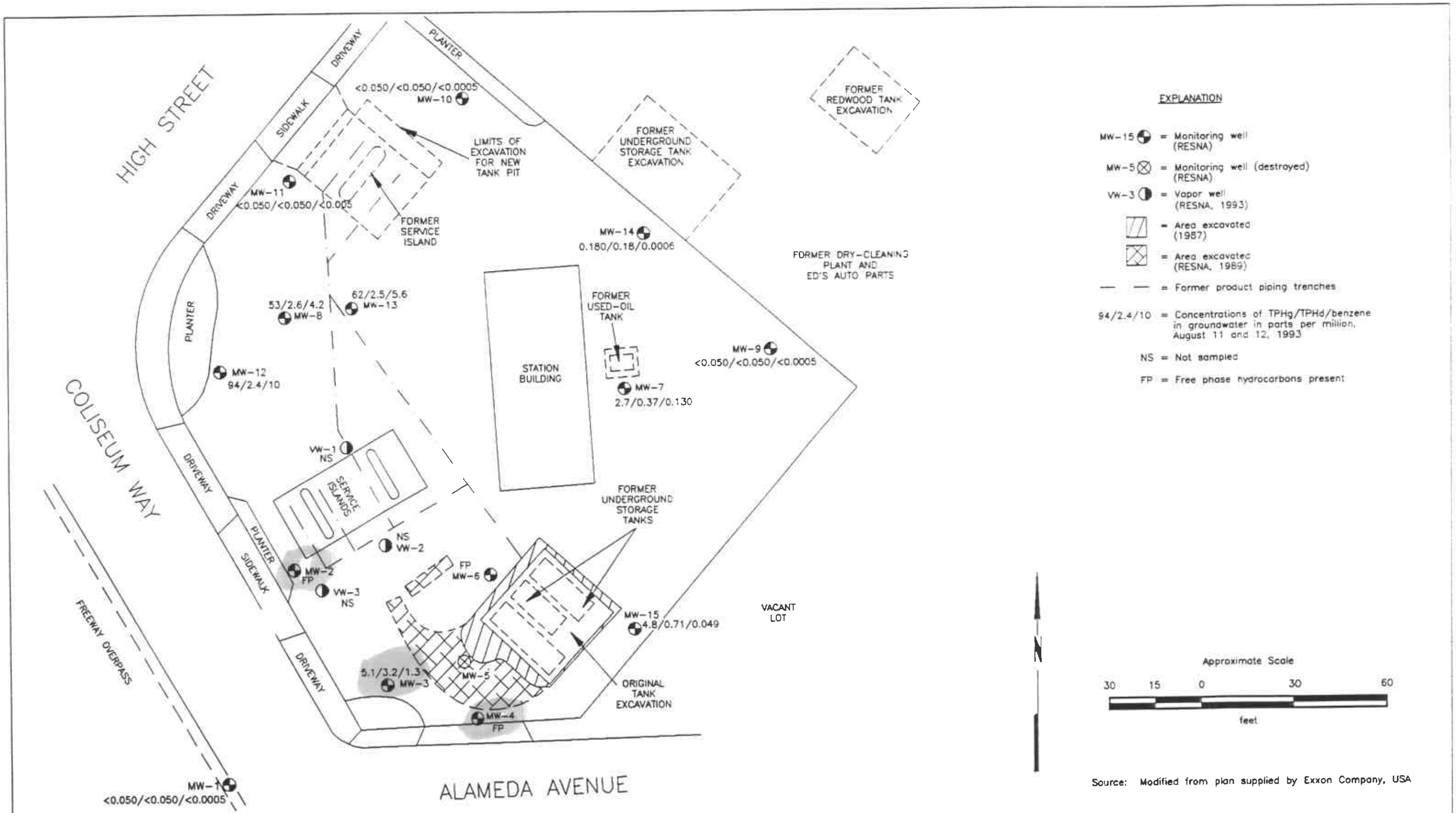
GROUNDWATER GRADIENT MAP
September 1, 1993
Exxon Station 7-3006
720 High Street
Oakland, California

PLATE 5



EXPLANATION

MW-15 = Monitoring well (RESNA)

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

VW-3 = Vapor well (RESNA, 1993)

= Area excavated (1987)

= Area excavated (RESNA, 1989)

— — = Former product piping trenches

94/2.4/10 = Concentrations of TPHg/TPHd/benzene in groundwater in parts per million, August 11 and 12, 1993

NS = Not sampled

FP = Free phase hydrocarbons present

Source: Modified from plan supplied by Exxon Company, USA

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TPHg/TPHd/BENZENE CONCENTRATIONS IN GROUNDWATER
Exxon Station 7-3006
720 High Street
Oakland, California

PLATE 6

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Station 7-3006
Oakland, California

See notes on page 18

WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-1					
04/25/89	12.87	7.55	NP	5.32	None
04/27/89		10.16	Sheen	2.71	None
09/06/89		10.88	Sheen	1.99	None
09/22/89		11.06	NP	1.81	None
11/01/89		10.82	NP	2.05	None
11/15/89		11.07	NP	1.80	None
12/06/89		10.33	NP	2.54	None
02/20/90		8.81	NP	4.06	None
04/19/90		9.33	NP	3.54	None
07/03/90		8.44	NP	4.43	None
07/26/90		8.99	NP	3.88	None
08/20/90		9.50	NP	3.37	None
09/19/90		9.99	NP	2.88	None
11/27/90		10.62	NP	2.25	None
01/17/91		10.31	NP	2.56	None
03/26/91		7.79	NP	5.08	None
05/02/91		8.88	NP	3.99	None
06/20/91		9.62	NP	3.25	None
08/07/91		10.20	NP	2.67	None
09/17/91		10.40	NP	2.47	None
11/13/91		10.20	NP	2.67	None
12/10/91		10.23	NP	2.64	None
01/21/92		9.32	NP	3.55	None
03/25/92		9.30	NP	3.57	None
06/22/92		8.46	NP	4.41	None
09/24/92		9.61	NP	3.26	None
10/14/92		9.85	NP	3.02	None
11/16/92		9.65	NP	3.22	None
12/08/92		9.30	NP	3.57	None

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Station 7-3006
Oakland, California

See notes on page 18

WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-1 cont.					
01/27/93		6.13	NP	6.74	None
02/18/93		6.07	NP	6.80	None
03/10/93		6.12	NP	6.75	None
04/06/93		5.84	NP	7.03	None
05/28/93		7.27	NP	5.60	None
06/10/93		7.40	NP	5.47	None
07/17/93		8.08	NP	4.79	None
08/11/93		8.54	NP	4.33	None
09/01/93		8.80	NP	4.07	None
MW-2					
04/25/89	12.98	9.27	2.16	5.44	NR
07/19/89		10.81	1.56	3.42	NR
07/27/89		10.18	0.13	2.90	NR
09/06/89		10.89	0.09	2.16	NR
09/22/89		11.56	0.56	1.87	NR
11/01/89		10.85	0.09	2.20	NR
11/15/89		11.05	0.07	1.99	NR
12/06/89		10.23	0.13	2.85	NR
02/20/90		8.86	0.29	4.35	NR
04/19/90		9.09	0.10	3.97	NR
07/03/90		8.75	0.05	4.27	NR
07/26/90		8.71	0.10	4.35	NR
08/20/90		9.25	0.02	3.75	NR
09/19/90		9.79	0.02	3.21	NR
11/27/90		10.40	0.07	2.64	NR
01/17/91		10.03	0.05	2.99	NR
03/26/91		8.98	0.08	4.06	NR
05/02/91		8.73	0.02	4.27	NR
06/20/91		9.11	0.02	3.89	NR
08/07/91		10.00	0.04	3.01	NR

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Station 7-3006
Oakland, California

See notes on page 18

WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-2 cont.					
09/17/91		10.11	0.02	2.89	NR
11/13/91		9.88	0.02	3.12	NR
12/10/91		9.02	0.03	3.98	NR
01/21/92		9.08	0.03	3.92	NR
03/25/92		6.00	0.03	7.00	NR
06/22/92		8.46	0.01	4.53	1/2 cup
09/24/92		9.08	Sheen	3.90	NR
10/14/92		9.34	0.02	3.66	1/2 cup
11/16/92		9.16	0.02	3.84	1/2 cup
12/08/92		8.93	0.02	4.07	1/2 cup
01/27/93		5.76	Sheen	7.22	None
02/18/93		4.21	0.01	8.78	None
03/10/93		6.75	Sheen	6.23	None
04/06/93		5.37	Sheen	7.61	1/2 cup
05/28/93		NM	NM	NM	2 cups
06/10/93		NM	NM	NM	1/2 cup
07/17/93		NM	NM	NM	2 cups
08/11/93		NM	NM	NM	1/2 cup
09/01/93		NM	NM	NM	1/2 cup
MW-3					
04/25/89	12.94	7.57	0.08	5.43	NR
07/19/89		10.33	0.66	3.14	NR
07/27/89		Not Accessible			
09/06/89		11.22	0.07	1.78	NR
09/22/89		11.38	0.28	1.78	NR
11/01/89		10.90	0.01	2.05	NR
11/15/89		11.18	0.11	1.85	NR
12/06/89		10.29	Sheen	2.65	None
02/20/90		8.73	0.04	4.24	NR
04/19/90		9.20	0.09	3.81	NR

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Station 7-3006
Oakland, California

See notes on page 18

WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-3 cont.					
07/03/90		8.50	0.03	*4.46	NR
07/26/90		8.58	0.04	*4.39	NR
08/20/90		9.21	0.01	*3.74	NR
09/19/90		10.02	0.35	*3.20	NR
11/27/90		10.72	0.42	*2.56	NR
01/17/91		10.05	0.10	*2.97	NR
03/26/91		7.65	0.10	*5.37	NR
05/02/91		8.54	0.03	*4.42	NR
06/20/91		8.89	0.03	*4.07	NR
08/07/91		9.99	0.03	*2.97	NR
09/17/91		10.32	0.22	*2.80	NR
11/13/91		10.14	0.24	*2.99	NR
12/10/91		10.10	0.11	*2.93	NR
01/21/92		9.07	0.06	*3.92	NR
03/25/92		5.96	0.04	*7.01	NR
06/22/92		8.07	0.02	*4.89	1/2 cup
09/24/92		9.29	Sheen	3.65	None
10/14/92		9.49	0.02	*3.47	1/2 cup
11/16/92		9.29	0.02	*3.67	1/2 cup
12/08/92		9.08	0.02	*3.88	1/2 cup
01/27/93		5.65	Sheen	7.29	None
02/18/93		4.63	Sheen	8.31	None
03/10/93		5.53	Sheen	7.41	None
04/06/93		5.10	Sheen	7.84	None
05/28/93		6.50	Sheen	6.44	None
06/10/93		6.65	Sheen	6.29	None
07/17/93		7.03	Sheen	5.91	None
08/11/93		7.56	Sheen	5.38	None
09/01/93		8.20	0.01	*4.75	None

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CUMULATIVE GROUNDWATER MONITORING DATA
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WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-4					
04/25/89	12.77	7.26	0.16	*5.64	NR
07/19/89		10.32	0.72	*3.03	NR
07/27/89		Not Accessible			
09/06/89		11.40	0.07	*1.43	NR
09/22/89		11.64	0.19	*1.28	NR
11/01/89		11.00	Sheen	1.77	None
11/15/89		11.18	0.10	*1.67	NR
12/06/89		10.25	Sheen	2.52	None
02/20/90		8.40	NP	4.37	None
04/19/90		9.04	0.03	*3.75	NR
07/03/90		8.00	Sheen	4.77	None
07/26/90		8.57	0.04	*4.23	NR
08/20/90		9.08	0.01	*3.70	NR
09/19/90		9.76	0.03	*3.03	NR
11/27/90		10.83	0.09	*2.01	NR
01/17/91		9.96	0.20	*2.97	NR
03/26/91		6.20	0.09	*6.64	NR
05/02/91		7.50	0.04	*5.30	NR
06/20/91		7.79	0.04	*5.01	NR
08/07/91		9.81	0.05	*3.00	NR
09/17/91		10.02	0.10	*2.83	NR
11/13/91		9.90	0.12	*2.97	NR
12/10/91		9.92	0.10	*2.93	NR
01/21/92		9.50	0.08	*3.33	NR
03/25/92		5.01	0.03	*7.78	NR
06/22/92		7.34	0.02	*5.45	1/2 cup
09/24/92		9.03	Sheen	3.74	None
10/14/92		9.27	0.02	*3.52	1/2 cup
11/16/92		9.09	0.02	*3.70	1/2 cup
12/08/92		10.24	0.02	*2.55	1/2 cup

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WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-4 cont.					
01/27/93		4.95	0.04	*7.85	None
02/18/93		4.89	0.01	*7.89	None
03/10/93		6.40	Sheen	6.37	1/8 cup
04/06/92		4.36	Sheen	8.41	1/2 cup
05/28/93		NM	NM	NM	2 cups
06/10/93		NM	NM	NM	2 cups
07/17/93		NM	NM	NM	2/5 gallon
08/11/93		NM	NM	NM	1/4 gallon
09/01/93		NM	NM	NM	1/4 gallon
MW-5					
04/25/89	8.38	8.06	NP	0.32	None
07/18/89		Well Destroyed			
MW-6					
04/25/89	14.27	8.02	NP	6.25	None
09/06/89		13.64	0.08	*0.69	NR
09/22/89		13.79	0.07	*0.54	NR
11/01/89		12.78	Sheen	1.49	None
11/15/89		12.91	Sheen	1.36	None
12/06/89		11.84	NP	2.43	None
02/20/90		9.08	NP	5.19	None
04/19/90		9.72	NP	4.55	None
07/03/90		8.00	NP	6.27	None
07/26/90		8.70	NP	5.57	None
08/20/90		9.62	NP	4.65	None
09/19/90		10.25	Sheen	4.02	None
11/27/90		10.82	Sheen	3.45	None
01/17/91		9.93	NP	4.34	None
03/26/91		8.45	NP	5.82	None
05/02/91		8.90	NP	5.37	None
06/20/91		9.47	Sheen	4.80	None

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WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-6 cont.					
08/07/91		10.10	Sheen	4.17	None
09/17/91		10.21	Sheen	4.06	None
11/13/91		9.62	Sheen	4.65	None
12/10/91		9.59	Sheen	4.68	None
01/21/92		9.25	Sheen	5.02	None
03/25/92		6.88	NP	7.39	None
06/22/92		7.38	NP	6.89	None
09/24/92		8.70	NP	5.57	None
10/14/92		8.91	Sheen	5.36	None
11/16/92		8.75	NP	5.52	None
12/08/92		8.51	Sheen	5.76	None
01/27/93		5.69	NP	8.58	None
02/18/93		4.90	0.10	*9.45	1/8 cup
03/10/93		6.07	0.05	*8.24	1/4 cup
04/06/93		4.98	Sheen	9.29	1/3 cup
05/28/93		NM	NM	NM	3 cups
06/10/93		NM	NM	NM	3 cups
07/17/93		NM	NM	NM	None
08/11/93		NM	NM	NM	None
09/01/93		NM	NM	NM	1/2 cup
MW-7					
04/25/89	14.84	8.66	NP	6.18	None
09/06/89		11.72	Sheen	3.12	None
09/22/89		11.89	NP	2.95	None
12/06/89		10.46	NP	4.38	None
02/20/90		8.44	NP	6.40	None
04/19/90		9.54	NP	5.30	None
07/03/90		7.45	NP	7.39	None
07/26/90		8.08	NP	6.76	None
08/20/90		8.82	NP	6.02	None

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MW-7 cont.					
09/19/90		9.01	NP	5.83	None
11/27/90		9.54	NP	5.30	None
01/17/91		8.50	NP	6.34	None
03/26/91		5.92	NP	8.92	None
05/02/91		7.72	NP	7.12	None
06/20/91		8.19	NP	6.65	None
08/07/91		8.70	NP	6.14	None
09/17/91		8.77	NP	6.07	None
11/13/91		8.51	NP	6.33	None
12/10/91		8.58	NP	6.26	None
01/21/92		8.32	NP	6.52	None
03/25/92		9.27	NP	5.57	None
06/22/92		6.97	NP	7.87	None
09/24/92		8.00	NP	6.84	None
10/14/92		8.15	NP	6.69	None
11/16/92		7.92	NP	6.92	None
12/08/92		7.75	NP	7.09	None
01/27/93		5.09	NP	9.75	None
02/18/93		4.51	NP	10.33	None
03/10/93		4.78	NP	10.06	None
04/06/93		4.48	NP	10.36	None
05/28/93		5.44	NP	9.40	None
06/10/93		5.60	NP	9.24	None
07/17/93		6.33	NP	8.51	None
08/11/93		6.87	NP	7.97	None
09/01/93		7.12	NP	7.72	None
MW-8					
04/25/89	13.45	8.31	0.66	*5.67	NR
07/19/89		10.97	1.25	*3.48	NR
07/27/89		10.34	0.08	*3.17	NR

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WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-8 cont.					
09/06/89		11.09	0.17	*2.50	NR
09/22/89		11.58	0.36	*2.16	NR
11/01/89		11.03	NP	2.42	None
11/15/89		11.25	0.01	*2.21	NR
12/06/89		10.30	Sheen	3.15	None
02/20/90		8.00	0.01	*5.46	NR
04/19/90		8.50	NP	4.95	None
07/03/90		7.55	NP	5.90	None
07/26/90		7.86	NP	5.59	None
08/20/90		8.92	NP	4.53	None
09/19/90		9.55	NP	3.90	None
11/27/90		10.29	0.01	*3.17	NR
01/17/91		9.97	Sheen	3.48	None
03/26/91		8.45	Sheen	5.00	None
05/02/91		8.85	Sheen	4.60	None
06/20/91		9.45	Sheen	4.00	None
08/07/91		10.00	Sheen	3.45	None
09/17/91		10.11	Sheen	3.34	None
11/13/91		9.63	Sheen	3.82	None
12/10/91		9.66	Sheen	3.79	None
01/21/92		9.35	Sheen	4.10	None
03/25/92		8.02	Sheen	5.43	None
06/22/92		7.01	Sheen	6.44	None
09/24/92		8.33	Sheen	5.12	None
10/14/92		8.65	Sheen	4.80	None
11/16/92		8.27	Sheen	5.18	None
12/08/92		8.25	Sheen	5.20	None
01/27/93		5.22	Sheen	8.23	None
02/18/93		4.27	Sheen	9.18	None
03/10/93		5.30	Sheen	8.15	None

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WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-8 cont.					
04/06/93		4.56	Sheen	8.89	None
05/28/93		5.62	Sheen	7.83	None
06/10/93		5.75	Sheen	7.70	None
07/17/93		6.43	Sheen	7.02	None
08/11/93		6.99	Sheen	6.46	None
09/01/93		7.33	Sheen	6.12	None
MW-9					
04/25/89	14.64	8.25	NP	6.39	None
09/06/89		Not Accessible			
09/22/89		Not Accessible			
12/06/89		10.12	NP	4.52	None
02/20/90		9.38	NP	5.26	None
04/19/90		9.40	NP	5.24	None
07/03/90		8.79	NP	5.85	None
07/26/90		8.70	NP	5.94	None
08/20/90		9.09	NP	5.55	None
09/19/90		9.52	NP	5.12	None
11/27/90		9.89	NP	4.75	None
01/17/91		Not Accessible			
03/26/91		Not Accessible			
05/02/91		9.10	NP	5.54	None
06/20/91		8.76	NP	5.88	None
08/07/91		9.37	NP	5.27	None
09/17/91		9.57	NP	5.07	None
11/13/91		9.46	NP	5.18	None
12/10/91		9.30	NP	5.34	None
01/21/92		9.68	NP	4.96	None
03/25/92		8.93	NP	5.71	None
06/22/92		7.45	NP	7.19	None
09/24/92		8.69	NP	5.95	None

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WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-9 cont.					
10/14/92		8.83	NP	5.81	None
11/16/92		8.80	NP	5.84	None
12/08/92		8.70	NP	5.94	None
01/27/93		Not Monitored			
02/18/93		9.22	NP	5.42	None
03/10/93		5.25	NP	9.39	None
04/06/93		5.07	NP	9.57	None
05/28/93		6.08	NP	8.56	None
06/10/93		6.27	NP	8.37	None
07/17/93		7.09	NP	7.55	None
08/11/93		7.60	NP	7.04	None
09/01/93		7.95	NP	6.69	None
MW-10					
12/06/89	14.05	10.46	NP	3.59	None
02/20/90		8.12	NP	5.93	None
04/19/90		8.54	NP	5.51	None
07/03/90		7.88	NP	6.17	None
07/26/90		8.19	NP	5.86	None
08/20/90		10.33	NP	3.72	None
09/19/90		9.49	NP	4.56	None
11/27/90		9.89	NP	4.16	None
01/17/91		9.19	NP	4.86	None
03/26/91		7.48	NP	6.57	None
05/02/91		8.16	NP	5.89	None
06/20/91		8.75	NP	5.30	None
08/07/91		9.53	NP	4.52	None
09/17/91		9.72	NP	4.33	None
11/13/91		10.02	NP	4.03	None
12/10/91		9.12	NP	4.93	None
01/21/92		8.31	NP	5.74	None

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WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-10 cont.					
03/25/92		5.70	NP	8.35	None
06/22/92		7.50	NP	6.55	None
09/24/92		8.68	NP	5.37	None
10/14/92		8.88	NP	5.17	None
11/16/92		8.70	NP	5.35	None
12/08/92		8.31	NP	5.74	None
01/27/93		5.49	NP	8.56	None
02/18/93		4.26	NP	9.79	None
03/10/93		5.40	NP	8.65	None
04/06/93		5.28	NP	8.77	None
05/28/93		6.22	NP	7.83	None
06/10/93		6.49	NP	7.56	None
07/17/93		6.79	NP	7.26	None
08/11/93		7.20	NP	6.85	None
09/01/93		8.03	NP	6.02	None
MW-11					
12/06/89	13.55	10.62	NP	2.93	None
02/20/90		9.20	NP	4.35	None
04/19/90		9.80	NP	3.75	None
07/03/90		8.90	NP	4.65	None
07/26/90		9.36	NP	4.19	None
08/20/90		9.90	NP	3.65	None
09/19/90		10.39	NP	3.16	None
11/27/90		10.97	NP	2.58	None
01/17/91		10.76	NP	2.79	None
03/26/91		8.80	NP	4.75	None
05/02/91		9.38	NP	4.17	None
06/20/91		10.16	NP	3.39	None
08/07/91		10.69	NP	2.86	None
09/17/91		10.80	NP	2.75	None

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WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-11 cont.					
11/13/91		10.44	NP	3.11	None
12/10/91		10.48	NP	3.07	None
01/21/92		10.10	NP	3.45	None
03/25/92		7.30	NP	6.25	None
06/22/92		9.02	NP	4.53	None
09/24/92		9.91	NP	3.64	None
10/14/92		10.11	NP	3.44	None
11/16/92		9.79	NP	3.76	None
12/08/92		9.77	NP	3.78	None
01/27/93		5.67	NP	7.88	None
02/18/93		5.06	NP	8.49	None
03/10/93		6.40	NP	7.15	None
04/06/93		6.42	NP	7.13	None
05/28/93		7.65	NP	5.90	None
06/10/93		7.80	NP	5.75	None
07/17/93		8.42	NP	5.13	None
08/11/93		8.87	NP	4.68	None
09/01/93		9.09	NP	4.46	None
MW-12					
12/06/89	12.61	8.00	NP	4.61	None
02/20/90		6.33	NP	6.28	None
04/19/90		7.18	NP	5.43	None
07/03/90		7.41	NP	5.20	None
07/26/90		6.54	NP	6.07	None
08/20/90		7.23	NP	5.38	None
09/19/90		7.77	NP	4.84	None
11/27/90		8.15	NP	4.46	None
01/17/91		8.06	NP	4.55	None
03/26/91		7.21	NP	5.40	None
05/02/91		7.60	Sheen	5.01	None

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MW-12 cont.					
06/20/91		8.02	Sheen	4.59	None
08/07/91		8.25	Sheen	4.36	None
09/17/91		8.20	Sheen	4.41	None
11/13/91		7.77	Sheen	4.84	None
12/10/91		7.75	Sheen	4.86	None
01/21/92		7.08	Sheen	5.53	None
03/25/92		4.93	Sheen	7.68	None
06/22/92		6.04	Sheen	6.57	None
09/24/92		6.94	NP	5.67	None
10/14/92		7.21	Sheen	5.40	None
11/16/92		7.00	Sheen	5.61	None
12/08/92		6.70	Sheen	5.91	None
01/27/93		4.16	Sheen	8.45	None
02/18/93		4.01	Sheen	8.60	None
03/10/93		3.94	Sheen	8.67	None
04/06/93		3.69	Sheen	8.92	None
05/28/93		4.66	Sheen	7.95	None
06/10/93		4.78	Sheen	7.83	None
07/17/93		5.42	Sheen	7.19	None
08/11/93		5.83	Sheen	6.78	None
09/01/93		6.22	Sheen	6.39	None
MW-13					
12/06/89	14.20	9.35	NP	4.85	None
02/20/90		7.73	NP	6.47	None
04/19/90		8.68	NP	5.52	None
07/03/90		8.00	NP	6.20	None
07/26/90		7.95	NP	6.25	None
08/20/90		8.66	NP	5.54	None
09/19/90		9.13	NP	5.07	None
11/27/90		9.49	NP	4.71	None

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MW-13 cont.					
01/17/91		9.61	NP	4.59	None
03/26/91		9.25	NP	4.95	None
05/02/91		9.31	NP	4.89	None
06/20/91		9.73	NP	4.47	None
08/07/91		Not Accessible			
09/17/91		9.72	NP	4.48	None
11/13/91		9.06	NP	5.14	None
12/10/91		9.04	NP	5.16	None
01/21/92		8.41	NP	5.79	None
03/25/92		5.72	Sheen	8.48	None
06/22/92		7.31	Sheen	6.89	None
09/24/92		8.30	NP	5.90	None
10/14/92		8.56	Sheen	5.64	None
11/16/92		8.36	Sheen	5.84	None
12/08/92		8.10	Sheen	6.10	None
01/27/93		Not Monitored			
02/18/93		4.89	Sheen	9.31	None
03/10/93		5.32	Sheen	8.88	None
04/06/93		5.10	Sheen	9.10	None
05/28/93		6.00	Sheen	8.20	None
06/10/93		6.15	Sheen	8.05	None
07/17/93		6.82	Sheen	7.38	None
08/11/93		7.31	Sheen	6.89	None
09/01/93		7.62	Sheen	6.58	None
MW-14					
11/27/90	15.18	9.88	NP	5.30	None
01/17/91		9.13	NP	6.05	None
03/26/91		8.51	NP	6.67	None
05/02/91		8.45	NP	6.73	None
06/20/91		8.38	NP	6.80	None

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Station 7-3006
Oakland, California

See notes on page 18

WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-14 cont.					
08/07/91		9.04	NP	6.14	None
09/17/91		9.14	NP	6.04	None
11/13/91		8.83	NP	6.35	None
12/10/91		8.90	NP	6.28	None
01/21/92		8.58	NP	6.60	None
03/25/92		6.15	NP	9.03	None
06/22/92		7.70	NP	7.48	None
09/24/92		9.34	NP	5.84	None
10/14/92		9.40	NP	5.78	None
11/16/92		9.17	NP	6.01	None
12/08/92		8.89	NP	6.29	None
01/27/93		8.54	NP	6.64	None
02/18/93		Not Monitored			
03/10/93		5.55	NP	9.63	None
04/06/93		5.34	NP	9.84	None
05/28/93		6.07	NP	9.11	None
06/10/93		6.30	NP	8.88	None
07/17/93		7.77	NP	7.41	None
08/11/93		7.62	NP	7.56	None
09/01/93		8.09	NP	7.09	None
MW-15					
11/27/90	13.73	8.67	NP	5.06	None
01/17/91		8.03	NP	5.70	None
03/26/91		Not Accessible			
05/02/91		7.09	NP	6.64	None
06/20/91		7.06	NP	6.67	None
08/07/91		7.59	NP	6.14	None
09/17/91		7.89	NP	5.84	None
11/13/91		9.07	NP	4.66	None
12/10/91		8.60	NP	5.13	None

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Station 7-3006
Oakland, California

See notes on page 18

WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-15 cont.					
01/21/92		9.15	NP	4.58	None
03/25/92		8.10	NP	5.63	None
06/22/92		5.80	NP	7.93	None
09/24/92		7.21	NP	6.52	None
10/14/92		7.40	NP	6.33	None
11/16/92		7.55	NP	6.18	None
12/08/92		7.42	NP	6.31	None
01/27/93		4.37	NP	9.36	None
02/18/93		4.14	Sheen	9.59	None
03/10/93		Not Accessible			
04/06/93		3.16	NP	10.57	Sheen
05/28/93		4.47	NP	9.26	None
06/10/93		4.59	Sheen	9.14	None
07/17/93		5.51	NP	8.22	None
08/11/93		6.13	Sheen	7.60	None
09/01/93		6.45	Sheen	7.28	None
VW-1					
02/18/93	14.01	4.52	NP	9.49	None
03/10/93		5.25	NP	8.76	None
04/06/93		5.06	NP	8.95	None
05/28/93		5.52	NP	8.49	None
06/10/93		5.62	NP	8.39	None
07/17/93		6.23	NP	7.78	None
08/11/93		Dry	NP	NA	None
09/01/93		Dry	NP	NA	None
VW-2					
02/18/93	14.09	4.41	NP	9.68	None
03/10/93		5.17	NP	8.92	None
04/06/93		5.04	NP	9.05	None
05/28/93		5.46	NP	8.63	None

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Station 7-3006
Oakland, California

See notes on page 18

WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
VW-2 cont.					
06/10/93		5.60	NP	8.49	None
07/17/93		6.38	NP	7.71	None
08/11/93		7.90	NP	6.19	None
09/01/93		7.31	0.01	*6.79	None
VW-3					
02/18/93	13.37	4.62	NP	8.69	None
03/10/93		4.41	NP	8.90	None
04/06/93		4.10	NP	9.21	None
05/28/93		4.98	NP	8.33	None
06/10/93		4.98	NP	8.33	None
07/17/93		5.57	NP	7.74	None
08/11/93		7.69	NP	5.62	None
09/01/93		6.78	0.01	*6.54	None

Well elevations relative to Mean Sea Level (MSL).
Measurements in feet.

* : Groundwater elevation corrected for presence of free-phase petroleum hydrocarbons. See appendix A.
NR : Not Recorded
NM : Not Measured
NA : Not Applicable
NP : No Free-phase petroleum hydrocarbons

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Exxon Station 7-3006
Oakland, California
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See notes on page 16

WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-1								
05/88	0.240	0.090	0.005	0.015	0.025	NA	NA	ND
12/89	0.630	0.012	0.0056	0.0037	0.025	0.24	NA	NA
04/90	<0.020	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
07/90	0.130	0.006	<0.0005	<0.0005	<0.0005	0.16	NA	NA
11/90	<0.050	0.0007	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
03/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
06/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
09/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA
12/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
03/92	<0.050	0.0015	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
06/92	0.110	0.0049	0.0079	0.0037	0.021	0.075	NA	NA
09/92	<0.050	<0.0005	0.0006	<0.0005	<0.0005	<0.05	NA	NA
12/92	0.170	0.010	<0.0005	<0.0005	0.0006	0.051	NA	NA
03/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	0.14	NA	NA
06/93 [3]	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
08/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	ND
		<0.005*	<0.005*	<0.005*	<0.005*	<0.05[2]	NA	ND

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TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Exxon Station 7-3006
Oakland, California
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See notes on page 16

WELL / DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-2								
09/87	1.445	0.233	0.81	0.056	0.209	NA	NA	NA
05/88	Free-phase petroleum hydrocarbons							
12/89	Free-phase petroleum hydrocarbons							
04/90	Free-phase petroleum hydrocarbons							
07/90	Free-phase petroleum hydrocarbons							
11/90	Free-phase petroleum hydrocarbons							
03/91	Free-phase petroleum hydrocarbons							
06/91	Free-phase petroleum hydrocarbons							
09/91	Free-phase petroleum hydrocarbons							
12/91	Free-phase petroleum hydrocarbons							
03/92	Free-phase petroleum hydrocarbons							
06/92	Free-phase petroleum hydrocarbons							
09/92	Sheen							
12/92	Free-phase petroleum hydrocarbons							
03/93	Sheen							
06/93	Free-phase petroleum hydrocarbons							
08/93	Free-phase petroleum hydrocarbons							

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Exxon Station 7-3006
Oakland, California
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See notes on page 16

WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-3								
09/87	2.101	0.360	1.062	0.068	0.298	0.66	NA	NA
05/88	8.700	3.98	0.28	0.24	0.60	NA	NA	NA
12/89	Free-phase petroleum hydrocarbons							
04/90	Free-phase petroleum hydrocarbons							
07/90	Free-phase petroleum hydrocarbons							
11/90	Free-phase petroleum hydrocarbons							
03/91	Free-phase petroleum hydrocarbons							
06/91	Free-phase petroleum hydrocarbons							
09/91	Free-phase petroleum hydrocarbons							
12/91	Free-phase petroleum hydrocarbons							
03/92	Free-phase petroleum hydrocarbons							
06/92	Free-phase petroleum hydrocarbons							
09/92	Sheen							
12/92	Free-phase petroleum hydrocarbons							
03/93	Sheen							
06/93	Sheen							
08/93	5.100	1.300 2.000*	0.012 <0.0025*	0.087 0.160*	0.047 0.060*	3.2 0.140[6]	NA	ND

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TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
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Oakland, California
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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-4								
09/87	92.500	0.070	0.007	0.010	0.016	0.74	NA	NA
05/88	Free-phase petroleum hydrocarbons							
12/89	Free-phase petroleum hydrocarbons							
04/90	Free-phase petroleum hydrocarbons							
07/90	Emulsion							
11/90	Free-phase petroleum hydrocarbons							
03/91	Free-phase petroleum hydrocarbons							
06/91	Free-phase petroleum hydrocarbons							
09/91	Free-phase petroleum hydrocarbons							
12/91	Free-phase petroleum hydrocarbons							
03/92	Free-phase petroleum hydrocarbons							
06/92	Free-phase petroleum hydrocarbons							
09/92	Sheen							
12/92	Free-phase petroleum hydrocarbons							
03/93	Free-phase petroleum hydrocarbons							
06/93	Free-phase petroleum hydrocarbons							
08/93	Free-phase petroleum hydrocarbons							

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Exxon Station 7-3006
Oakland, California
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See notes on page 16

WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-5								
09/87	26.660	0.56	1.71	1.58	7.15	37.22	NA	NA
05/88	Free-phase petroleum hydrocarbons							
07/89	Well Destroyed							
MW-6								
05/88	29.300	12.82	0.55	1.44	5.50	NA	NA	NA
12/89	9.000	0.37	0.013	0.0026	0.43	4.8	NA	NA
04/90	27.000	3.0	0.12	0.49	2.1	26	NA	NA
07/90	30.000	5.5	1.4	1.2	3.1	13	NA	NA
11/90	15.000	4.4	0.12	0.8	2.3	7.6	NA	NA
03/91	55.000	10	0.38	1.6	6.9	<0.10	NA	NA
06/91	Sheen							
09/91	17.000	4.5	0.16	0.89	3.1	NA	NA	NA
12/91	32.000	6.0	0.29	1.4	4.7	1.2	NA	NA
03/92	21.000	8.0	0.25	1.7	5.0	2.7	NA	NA
06/92	43.000	11	0.15	2.1	5.0	1.7	NA	NA
09/92	45.000	9.8	0.27	1.7	3.6	2.0	NA	NA
12/92	Sheen							
03/93	Free-phase petroleum hydrocarbons							

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Exxon Station 7-3006
Oakland, California
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See notes on page 16

WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-6 cont.								
06/93	130.000	9.80	0.650	5.10	12.0	38.0	23.0	[4]
08/93	Free-phase petroleum hydrocarbons							
MW-7								
09/87	1.531	0.258	0.002	<0.002	0.042	2.79	NA	ND
05/88	NA	0.30*	<0.01*	<0.01*	<0.01*	0.019	NA	ND
12/89	1.700	0.220	0.0053	0.005	0.0086	2.5	<5	ND
04/90	2.700	0.220	0.0086	0.007	0.020	3.5	NA	ND
07/90	2.500	0.380	0.013	0.016	0.035	0.91	NA	ND
11/90	2.300	0.630	0.016	0.032	0.029	1.3	NA	0.0024[1]
03/91	3.500	0.420	0.018	0.017	0.027	<0.10	NA	ND
06/91	3.100	0.270	0.0088	0.033	0.019	<0.10	NA	NA
09/91	2.400	0.390	0.01	0.015	0.018	NA	NA	NA
12/91	1.700	0.290	0.0053	0.0071	<0.0005	0.53	NA	NA
03/92	1.500	0.320	0.0072	0.016	0.019	0.76	NA	NA
06/92	3.100	0.260	0.0058	0.021	0.027	0.83	NA	NA
09/92	3.900	0.160	0.0046	0.0037	0.013	0.66	NA	NA
12/92	17.000	1.100	0.035	0.077	0.046	0.54	NA	NA
03/93	3.500	0.160	0.0062	0.022	0.019	0.64	<5.0	**

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Exxon Station 7-3006
Oakland, California
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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-7 cont.								
06/93	1.600	0.140	0.0065	0.022	0.061	0.57	NA	NA
08/93	2.700	0.130	0.0013	0.013	0.012	0.37	NA	ND
		0.140*	0.005*	0.012*	0.010*	2.000[6]		
MW-8								
09/87	1.325	0.081	0.074	0.042	0.182	NA	NA	NA
05/88	Free-phase petroleum hydrocarbons							
12/89	42.000	2.6	0.63	0.21	3.7	34	NA	NA
04/90	49.000	2.1	0.82	1.1	4.8	53	NA	NA
07/90	44.000	4.0	1.5	2.0	6.3	32	NA	NA
11/90	Free-phase petroleum hydrocarbons							
03/91	Sheen							
06/91	Sheen							
09/91	57.000	14	7.8	3.1	12	NA	NA	NA
12/91	66.000	9.5	5.0	3.1	12	1.4	NA	NA
03/92	Sheen							
06/92	Sheen							
09/92	Sheen							
12/92	Sheen							

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Exxon Station 7-3006
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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-8 cont.								
03/93				Sheen				
06/93				Sheen				
08/93	53.000	4.200 4.900*	1.300 1.600*	2.600 3.300*	7.200 8.200*	2.6 0.370[6]	NA	ND
MW-9								
05/88	<0.050	<0.0005	0.001	<0.001	<0.001	NA	NA	ND
12/89	0.100	0.0018	0.0037	0.0014	0.0088	0.11	<5	ND
04/90	<0.020	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	ND
07/90	<0.020	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	ND
11/90	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	ND
03/91				Not Accessible				
06/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
09/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA
12/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	0.052	NA	NA
03/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
06/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
09/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
12/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Exxon Station 7-3006
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See notes on page 16

WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-9 cont.								
03/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
06/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
08/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	ND
		<0.005*	<0.005*	<0.005*	<0.005*	<0.050[2]		
MW-10								
12/89	0.320	0.0037	0.014	0.0056	0.032	<0.10	NA	NA
04/90	<0.020	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	ND
07/90	<0.020	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
11/90	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
03/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
06/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
09/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
12/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
03/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
06/92	<0.050	<0.0005	0.0006	<0.0005	0.0008	<0.05	NA	NA
09/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
12/92	<0.050	<0.0005	<0.0005	<0.0005	0.0009	<0.05	NA	NA
03/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA

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TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-10 cont.								
06/93	<0.050	<0.0005	0.0006	0.0007	0.0012	<0.05	NA	NA
08/93	<0.050	<0.0005	<0.0005	0.0005	0.0014	<0.05	NA	ND
		<0.005*	<0.005*	<0.005*	<0.005*	<0.050[2]		
MW-11								
12/89	0.078	0.0059	0.0063	<0.0005	48	<0.10	NA	NA
04/90	<0.020	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
07/90	<0.020	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
11/90	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
03/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
06/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
09/91	<0.050	<0.0005	0.0007	<0.0005	<0.0005	NA	NA	NA
12/91	<0.050	0.0007	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
03/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
06/92	0.084	0.0015	0.0031	0.0014	0.0096	0.057	NA	NA
09/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
12/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	0.31	NA	NA
03/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	0.24	NA	NA
06/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-11 cont.								
08/93	<0.050	0.0005 <0.005*	0.0007 <0.005*	0.0012 <0.005*	0.0027 <0.005*	<0.05 <0.050[2]	NA	ND
MW-12								
12/89	85	6.7	6.3	1.8	7.8	40	NA	NA
04/90	110	6.6	7.4	1.8	11	97	NA	NA
07/90	92	11	11	3.1	13	50	NA	NA
11/90	69	11	10	3.1	12	31	NA	NA
03/91	100	15	16	2.4	11	<0.10	NA	NA
06/91				Sheen				
09/91	82	22	18	3.9	16	NA	NA	NA
12/91	99	18	16	3	11	1.7	NA	NA
03/92				Sheen				
06/92				Sheen				
09/92	570	62	46	15	57	3.1	NA	NA
12/92				Sheen				
03/93				Sheen				
06/93				Sheen				

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TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-12 cont.								
08/93	94	10 13*	8.3 11*	2.8 4.0*	13 15*	2.4 0.190[6]	NA	ND
MW-13								
12/89	52	2.1	2.0	1.4	6.1	31	NA	NA
04/90	59	1.8	1.5	1.4	7.2	54	NA	NA
07/90	53	4.5	3.1	2.2	7.8	26	NA	NA
11/90	20	4.5	1.1	0.88	3.3	1.6	NA	NA
03/91	72	10	8.3	1.7	6.9	<0.10	NA	NA
06/91	44	5.6	3.1	0.75	2.6	<0.10	NA	NA
09/91	40	11	6.5	2.4	8.1	NA	NA	NA
12/91	72	11	7.4	2.5	9.4	3.7	NA	NA
03/92				Sheen				
06/92				Sheen				
09/92	86	9.5	6.1	2.4	10	2.9	NA	NA
12/92				Sheen				
03/93				Sheen				
06/93				Sheen				

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TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Exxon Station 7-3006
Oakland, California
Page 13 of 16
See notes on page 16

WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-13 cont.								
08/93	62	5.6	2.7	2.3	11	2.5	NA	ND
		7.7*	3.7*	3.5*	14*	0.360[6]		
MW-14								
11/90	0.39	<0.0005	<0.0005	0.0036	0.0037	0.12	NA	NA
03/91	0.20	<0.0005	0.0015	0.0008	0.0036	<0.10	NA	NA
06/91	0.11	<0.0005	<0.0005	<.0005	<0.0005	<0.10	NA	NA
09/91	0.45	<0.0005	<0.0005	0.0032	0.0023	NA	NA	NA
12/91	0.071	0.0005	<0.0005	<0.0005	<0.0005	0.28	NA	NA
03/92	0.061	<0.0005	<0.0005	0.0011	<0.0005	0.64	NA	NA
06/92	0.140	<0.0005	<0.0005	0.0006	0.0020	0.35	NA	NA
09/92	0.075	<0.0005	<0.0005	<0.0005	<0.0005	0.30	NA	NA
12/92	0.35	0.0025	0.0010	0.0015	0.0081	0.22	NA	NA
03/93	0.41	<0.0005	<0.0005	0.0009	0.0016	<0.25[2]	NA	NA
06/93	0.180	<0.0005	<0.0005	0.0008	0.0019	0.18	NA	NA
						<0.50[5]		
08/93	0.180	0.0006	<0.0005	0.0016	0.0037	0.18	NA	ND
		<0.005*	<0.005*	<0.005*	<0.005*	0.140[6]		

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TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Exxon Station 7-3006
Oakland, California
Page 14 of 16
See notes on page 16

WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-15								
11/90	2.7	0.21	0.0055	0.6	0.25	0.34	NA	NA
03/91	Not Accessible							
06/91	0.38	<0.0005	<0.0005	<0.0005	0.0013	<0.10	NA	NA
09/91	0.49	0.0029	0.0017	0.033	0.0013	NA	NA	NA
12/91	1.6	0.014	0.0011	0.066	0.0098	0.30	NA	NA
03/92	3.4	0.15	0.013	0.690	0.250	1.4	NA	NA
06/92	6.6	0.099	<0.0005	0.670	0.180	0.86	NA	NA
09/92	3.6	0.120	0.007	0.480	0.047	0.74	NA	NA
12/92	1.6	0.043	0.0016	0.170	0.023	0.43	NA	NA
03/93	Not Accessible							
06/93	Sheen							
08/93	4.8	0.049 0.070*	<0.0025 <0.005*	0.410 0.640*	0.034 0.026*	0.71 0.30[6]	NA	ND
VW-1								
06/93	Not Sampled							
08/93	Not Sampled							

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TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Exxon Station 7-3006
Oakland, California

See notes on page 16

WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
VW-2								
06/93	Not Sampled							
08/93	Not Sampled							
VW-3								
06/93	Not Sampled							
08/93	Not Sampled							
	MCLs	0.001	---	0.680	1.750	---	---	---
	DWAL	---	0.100	---	---	---	---	---

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TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Exxon Station 7-3006
Oakland, California
Page 16 of 16

Results in parts per million (ppm).		
<	:	Less than the laboratory detection limit.
NA	:	Not Analyzed
ND	:	Nondetectable
—	:	Not applicable
TPHg	:	Total petroleum hydrocarbons as gasoline using modified EPA method 5030/8015.
BTEX	:	Analyzed using modified EPA method 5030/8020.
TPHd	:	Total petroleum hydrocarbons as diesel using EPA method 3510/8015.
TOG	:	Total Oil and Grease using Standard Method 5520 B/F.
VOC	:	Volatile Organic Compounds analyzed by EPA method 5030/8010.
*	:	Analyzed using EPA method 624 (volatile organic compounds).
**	:	See Table 3 for additional analyses
1	:	Chloromethane
2	:	Analyzed for Stoddard Solvent using EPA method 5030/8015.
3	:	Additional Analysis on MW-1 - Fecal Coliform Most Probable Number (MPN)/100 ml.
4	:	VOCs Detected using EPA Method 624 - 16 ppm Benzene, 0.48 ppm Toluene, 4.5 ppm ethylbenzene, 9.9 Total Xylenes.
		VOCs Detected using EPA Method 625 - 1.8 ppm Naphthalene, 0.6 ppm 2-Methylnaphthalene, Bis(2-ethylhexyl) phthalate
5	:	Stoddard Solution detected in the sample at approximately 0.32 ppm
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.
MCLs	:	Maximum Contaminant Levels in drinking water, DHS (October 1990).
DWAL	:	Drinking Water Action Level, DHS (October 1990).

TABLE 3
RESULTS OF ADDITIONAL LABORATORY ANALYSES OF
WATER SAMPLES FROM WELL MW-7 on March 11, 1993
Former Exxon Station 7-3006
Oakland, California
Page 1 of 2
(See notes on page 2)

PARAMETER	CONCENTRATION	MCL	EPA METHOD
INORGANIC ANALYSES			
Total Alkalinity, as $CaCO_3$	360	---	
Bicarbonate Alkalinity, as $CaCO_3$	360	---	
Carbonate Alkalinity, as $CaCO_3$	<10	---	
Hydroxide Alkalinity, as $CaCO_3$	<10	---	
Antimony	<0.06	---	6010/200.7, ICP
Arsenic	0.016	0.05	7060, Furnace AAS
Beryllium	<0.01	---	6010/200.7, ICP
Cadmium	<0.005	0.01	6010/200.7, ICP
Calcium	28	---	6010/200.7, ICP
Chloride	11	250	SM 407A
Chromium	<0.01	0.05	6010/200.7, ICP
Copper	<0.01	1.0	6010/200.7, ICP
Cyanides	<0.005	---	
Iron	1.6	0.3	6010/200.7, ICP
Lead	<0.1	0.05	6010/200.7, ICP
Magnesium	47	---	6010/200.7, ICP
Manganese	1.4	0.05	6010/200.7, ICP
Mercury	0.0004	0.002	7470, Cold Vapor AA
Nickel	<0.02	---	6010/200.7, ICP
Selenium	<0.005	0.01	7740, Furnace AAS
Silver	<0.01	0.05	6010/200.7, ICP
Sodium	63	---	6010, ICP
Sulfate	<1.0	250	375.4
Thallium	<0.2	---	6010/200.7, ICP
Zinc	0.02	5.0	6010/200.7, ICP
pH, at 25°C	7.0	---	---

TABLE 3
RESULTS OF ADDITIONAL LABORATORY ANALYSES OF
WATER SAMPLES FROM WELL MW-7 on March 11, 1993
Former Exxon Station 7-3006
Oakland, California
Page 2 of 2
(See notes on page 2)

PARAMETER	CONCENTRATION	MCL	EPA METHOD
Specific Conductance, umhos/cm at 25°C	600	900	---
Total Dissolved Solids	400	500	160.1
Total Hardness, as $CaCO_3$	260	---	---
ORGANIC ANALYSES*			
Organic Lead, as Pb	<0.1	---	DHS Method 338
Benzene	0.18	0.001	624
Toluene	0.006	0.100	624
Ethylbenzene	0.016	0.680	624
Total Xylenes	0.010	1.75	624
Naphthalene	0.027	---	625

Results in parts per million (ppm) unless otherwise noted.

MCL : Maximum Contaminant Level for drinking water standards recommended by the California State Department of Health Services (October 1990).

--- : Not Applicable

* : All other compounds were not detected.

DHS : Department of Health Services

APPENDIX A

WELL PURGE DATA SHEETS

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WELL PURGE DATA SHEET

Project Name: Exxon 7-3006 Job No. 130006.01

Date: August 11, 1993 Page 1 of 1

Well No. MW-1 Time Started 1620

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
1620	Start purging MW-1				
1620	0	67.2	6.29	1.01	4.7
1627	13	66.2	6.7	.99	2.6
1640	26	66.1	6.95	1.00	1.3
1651	39	65.1	6.55	1.00	1.2
1704	53	66.9	6.54	1.20	1.0
1704	Stop purging MW-1				

Notes:

Well Diameter (inches) : 4
Depth to Bottom (feet) : 28.84
Depth to Water - initial (feet) : 8.54
Depth to Water - final (feet) : 9.58
% recovery : 95
Time Sampled : 1810
Gallons per Well Casing Volume : 13
Gallons Purged : 53
Well Casing Volume Purged : 4
Approximate Pumping Rate (gpm) : 1.20

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WELL PURGE DATA SHEET

Project Name: Exxon 7-3006 Job No. 130006.01

Date: August 11, 1993 Page 1 of 1

Well No. MW-3 Time Started 1635

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
1635	Start purging MW-3				
1635	0	72.6	6.93	2.05	12.9
1651	18	71.8	6.82	1.84	4.1
1713	36	69.8	6.96	1.93	15.1
1748	54	69.9	6.99	1.98	13.8
	Dry at 68				
1835	72	68.8	6.81	2.08	14.6
1835	Stop purging MW-3				

Notes:

Well Diameter (inches)	: 4
Depth to Bottom (feet)	: 34.75
Depth to Water - initial (feet)	: 7.56
Depth to Water - final (feet)	: 9.90
% recovery	: 91
Time Sampled	: 2000
Gallons per Well Casing Volume	: 17.8
Gallons Purged	: 72
Well Casing Volume Purged	: 4
Approximate Pumping Rate (gpm)	: 1.2

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WELL PURGE DATA SHEET

Project Name: Exxon 7-3006 Job No. 130006.01

Date: August 12, 1993 Page 1 of 1

Well No. MW-7 Time Started 0955

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
0955	Start purging MW-7				
0955	0	69.2	6.75	.38	5.5
1007	18	71.3	6.69	.32	1.9
1024	36	70.8	6.70	.40	2.4
1037	54	72.0	6.77	.40	4.1
1110	72	74.3	6.78	.42	1.3
1110	Stop purging MW-7				

Notes:

Well Diameter (inches) : 4
Depth to Bottom (feet) : 34.47
Depth to Water - initial (feet)(8/11/93) : 6.87
Depth to Water - final (feet) : 8.62
% recovery : 94
Time Sampled : 1335
Gallons per Well Casing Volume : 18
Gallons Purged : 72
Well Casing Volume Purged : 4.0
Approximate Pumping Rate (gpm) : 1.0

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WELL PURGE DATA SHEET

Project Name: Exxon 7-3006 Job No. 130006.01

Date: August 11, 1993 Page 1 of 1

Well No. MW-8 Time Started 1250

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
1250	Start purging MW-8				
1250	0	80.6	6.35	.79	3.9
1305	18	87.0	6.38	.80	4.1
1328	36	84.1	6.39	.82	11.2
	Dry at 42 gallons				
	Dry at 52 gallons				
2:12	Stop purging MW-8				

Notes:

Well Diameter (inches)	: 4
Depth to Bottom (feet)	: 34.61
Depth to Water - initial (feet)	: 6.99
Depth to Water - final (feet)	: 7.96
% recovery	: 96
Time Sampled	: 1800
Gallons per Well Casing Volume	: 18
Gallons Purged	: 52
Well Casing Volume Purged	: 4
Approximate Pumping Rate (gpm)	: 0.6

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WELL PURGE DATA SHEET

Project Name: Exxon 7-3006 Job No. 130006.01

Date: August 11, 1993 Page 1 of 1

Well No. MW-9 Time Started 1210

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
1210	Start purging MW-9				
1210	0	74.0	6.38	.81	81.7
1224	15.5	73.6	6.41	.73	14.5
1255	31	76.4	6.32	.81	75.8
1315	46.5	80.1	6.27	.87	70.4
	Dry at 49.5				
1410	62	81.6	6.25	.88	>200
1410	Stop purging MW-9				

Notes:

Well Diameter (inches) : 4
Depth to Bottom (feet) : 31.48
Depth to Water - initial (feet) : 7.60
Depth to Water - final (feet) : 7.97
% recovery : 99
Time Sampled : 2135
Gallons per Well Casing Volume : 15.6
Gallons Purged : 62
Well Casing Volume Purged : 4
Approximate Pumping Rate (gpm) : 0.5

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WELL PURGE DATA SHEET

Project Name: Exxon 7-3006 Job No. 130006.01

Date: August 11, 1993 Page 1 of 1

Well No. MW-10 Time Started 1725

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
1725	Start purging MW-10				
1725	0	71.9	6.70	.54	1.3
1740	11.5	73.6	6.70	.54	2.6
1748	23	71.2	6.72	.52	3.7
	Dry at 23				
1838	34.5	70.0	6.77	.49	5.3
	Dry at 36				
	Stop purging MW-10				

Notes:

Well Diameter (inches)	: 4
Depth to Bottom (feet)	: 24.88
Depth to Water - initial (feet)	: 7.20
Depth to Water - final (feet)	: 8.52
% recovery	: 93
Time Sampled(8/12/93)	: 1220
Gallons per Well Casing Volume	: 11.5
Gallons Purged	: 36
Well Casing Volume Purged	: 4
Approximate Pumping Rate (gpm)	: 0.5

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WELL PURGE DATA SHEET

Project Name: Exxon 7-3006 Job No. 130006.01

Date: August 12, 1993 Page 1 of 1

Well No. MW-11 Time Started 1425

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
1425	Start purging MW-11				
1425	0	76.6	6.19	.82	28.5
1435	14	76.1	6.12	.64	4.7
1454	28	77.0	6.14	.81	2.1
	Dry at 48 gallons				
1540	52	76.6	6.14	.84	7.3
1548	65	75.6	6.18	.80	15.8
1548	Stop purging MW-11				

Notes:

Well Diameter (inches)	: 4
Depth to Bottom (feet)	: 30.01
Depth to Water - initial (feet)(8/11/93)	: 8.87
Depth to Water - final (feet)	: 10.88
% recovery	: 91
Time Sampled	: 1800
Gallons per Well Casing Volume	: 13.8
Gallons Purged	: 65
Well Casing Volume Purged	: 4
Approximate Pumping Rate (gpm)	: 0.78

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WELL PURGE DATA SHEET

Project Name: Exxon 7-3006 Job No. 130006.01

Date: August 11, 1993 Page 1 of 1

Well No. MW-12 Time Started 1440

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
1440	Start purging MW-12				
1440	0	82.2	6.23	.78	3.8
1447	6	82.7	6.43	.73	1.9
1457	12	80.7	6.44	.71	1.7
1505	18	79.1	6.45	.70	1.1
1514	23	80.0	6.57	.70	1.3
1514	Stop purging MW-14				

Notes:

Well Diameter (inches)	: 4
Depth to Bottom (feet)	: 14.65
Depth to Water - initial (feet)	: 5.83
Depth to Water - final (feet)	: 6.02
% recovery	: 98
Time Sampled	: 1820
Gallons per Well Casing Volume	: 5.8
Gallons Purged	: 23
Well Casing Volume Purged	: 4
Approximate Pumping Rate (gpm)	: 0.6

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WELL PURGE DATA SHEET

Project Name: Exxon 7-3006 Job No. 130006.01

Date: August 12, 1993 Page 1 of 1

Well No. MW-13 Time Started 1545

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
1545	Start purging MW-13				
1545	0	81.1	6.42	.90	3.7
1550	5	83.1	6.45	.72	3.2
1557	10	81.9	6.40	.74	3.7
1608	15	78.3	6.39	.77	7.0
1620	20	79.1	6.47	.67	5.4
1620	Stop purging MW-14				

Notes:

Well Diameter (inches) : 4
Depth to Bottom (feet) : 15.19
Depth to Water - initial (feet)(8/11/93) : 7.31
Depth to Water - final (feet) : 7.39
% recovery : 99
Time Sampled : 1825
Gallons per Well Casing Volume : 5.2
Gallons Purged : 20
Well Casing Volume Purged : 4
Approximate Pumping Rate (gpm) : 0.5

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WELL PURGE DATA SHEET

Project Name: Exxon 7-3006 Job No. 130006.01

Date: August 12, 1993 Page 1 of 1

Well No. MW-14 Time Started 0900

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
0900	Start purging MW-14				
0900	0	68.2	6.75	.74	3.1
0905	6	70.9	6.63	.72	1.6
0909	12	70.3	6.59	.75	2.0
	Dry at 12 gallons				
	Dry at 15 gallons				
0942	Stop purging MW-14				

Notes:

Well Diameter (inches) : 4
Depth to Bottom (feet) : 17.29
Depth to Water - initial (feet)(8/11/93) : 7.62
Depth to Water - final (feet) : 8.75
% recovery : 88
Time Sampled : 1600
Gallons per Well Casing Volume : 6.3
Gallons Purged : 15
Well Casing Volume Purged : 2.5
Approximate Pumping Rate (gpm) : 0.36

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WELL PURGE DATA SHEET

Project Name: Exxon 7-3006 Job No. 130006.01

Date: August 12, 1993 Page 1 of 1

Well No. MW-15 Time Started 1127

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
1127	Start purging MW-15				
1127	0	73.8	6.92	1.12	6.4
1137	7	74.1	6.92	1.16	18.7
	Dry at 13 gallons				
1230	14	82.4	6.45	1.31	6.7
	Dry at 18 gallons				
1235	Stop purging MW-15				

Notes:

Well Diameter (inches) : 4
Depth to Bottom (feet) : 16.74
Depth to Water - initial (feet)(8/11/93) : 6.13
Depth to Water - final (feet) : 7.61
% recovery : 86
Time Sampled : 1645
Gallons per Well Casing Volume : 6.9
Gallons Purged : 18
Well Casing Volume Purged : 2.6
Approximate Pumping Rate (gpm) : .3

APPENDIX B

LABORATORY ANALYSIS REPORTS AND CHAIN OF CUSTODY RECORDS

pace
INCORPORATED
THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

August 25, 1993

RECEIVED
SEP 1 1993
RESNA
SAN JOSE

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

RE: PACE Project No. 430813.516
Client Reference: Exxon 7-3006 (EE)

Dear Mr. Briggs:

Enclosed is the report of laboratory analyses for samples received August 13, 1993.

Footnotes are given at the end of the report.

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

Sincerely,

Stacy P. Hoch

Stacy P. Hoch
Project Manager

Enclosures

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

pace INCORPORATED
THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

RESNA
3315 Almaden Expressway Suite 34
San Jose, CA 95118

August 25, 1993
PACE Project Number: 430813516
PACE WPP# 3093

Attn: Mr. Marc Briggs

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131332	
Date Collected:			08/11/93	
Date Received:			08/13/93	
			W-9-MW1	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
STODDARD Solvent, EPA METHOD 5030/8015M	ug/L	50	ND	08/20/93
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Chloromethane	ug/L	10	ND	08/17/93
Vinyl Chloride	ug/L	10	ND	08/17/93
Bromomethane	ug/L	10	ND	08/17/93
Chloroethane	ug/L	10	ND	08/17/93
Trichlorofluoromethane	ug/L	5	ND	08/17/93
1,1,2-Trichlor-1,2,2-trifluoroethane	ug/L	5	ND	08/17/93
2-Butanone (MEK)	ug/L	50	ND	08/17/93
1,1-Dichloroethene	ug/L	5	ND	08/17/93
Carbon Disulfide	ug/L	5	ND	08/17/93
Acetone	ug/L	50	ND	08/17/93
Methylene Chloride	ug/L	10	ND	08/17/93
trans-1,2-Dichloroethene	ug/L	5	ND	08/17/93
1,1-Dichloroethane	ug/L	5	ND	08/17/93
Chloroform	ug/L	5	ND	08/17/93
1,1,1-Trichloroethane	ug/L	5	ND	08/17/93
1,2-Dichloroethane	ug/L	5	ND	08/17/93
cis-1,2-Dichlorethene	ug/L	5	ND	08/17/93
Carbon Tetrachloride	ug/L	5	ND	08/17/93
Benzene	ug/L	5	ND	08/17/93
1,2-Dichloropropane	ug/L	5	ND	08/17/93
Trichloroethene (TCE)	ug/L	5	ND	08/17/93
Bromodichloromethane	ug/L	5	ND	08/17/93
trans-1,3-Dichloropropene	ug/L	5	ND	08/17/93
4-Methyl-2-pentanone (MIBK)	ug/L	50	ND	08/17/93
Toluene	ug/L	5	ND	08/17/93
cis-1,3-Dichloropropene	ug/L	5	ND	08/17/93

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PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

Parameter	Units	MDL		DATE ANALYZED
PACE Sample Number:			70 0131332	
Date Collected:			08/11/93	
Date Received:			08/13/93	
Client Sample ID:			W-9-MW1	
ORGANIC ANALYSIS				
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
1,1,2-Trichloroethane	ug/L	5	ND	08/17/93
Dibromochloromethane	ug/L	5	ND	08/17/93
2-Hexanone	ug/L	50	ND	08/17/93
Tetrachloroethene	ug/L	5	ND	08/17/93
Chlorobenzene	ug/L	5	ND	08/17/93
Ethylbenzene	ug/L	5	ND	08/17/93
Bromoform	ug/L	5	ND	08/17/93
Xylene(s) Total	ug/L	5	ND	08/17/93
Styrene	ug/L	5	ND	08/17/93
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	08/17/93
1,3-Dichlorobenzene	ug/L	5	ND	08/17/93
1,4-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichloroethane-d4 (Surrog. Recovery)			84%	08/17/93
Toluene-d8 (Surrogate Recovery)			102%	08/17/93
4-Bromofluorobenzene (Surrog.Recovery)			92%	08/17/93
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	08/19/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	08/19/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	08/19/93
Benzene	ug/L	0.5	ND	08/19/93
Toluene	ug/L	0.5	ND	08/19/93
Ethylbenzene	ug/L	0.5	ND	08/19/93
Xylenes, Total	ug/L	0.5	ND	08/19/93

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131340	
Date Collected:			08/11/93	
Date Received:			08/13/93	
Client Sample ID:			W-10-MW11	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
STODDARD Solvent, EPA METHOD 5030/8015M	ug/L	50	ND	08/20/93
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Chloromethane	ug/L	10	ND	08/17/93
Vinyl Chloride	ug/L	10	ND	08/17/93
Bromomethane	ug/L	10	ND	08/17/93
Chloroethane	ug/L	10	ND	08/17/93
Trichlorofluoromethane	ug/L	5	ND	08/17/93
1,1,2-Trichlor-1,2,2-trifluoroethane	ug/L	5	ND	08/17/93
2-Butanone (MEK)	ug/L	50	ND	08/17/93
1,1-Dichloroethene	ug/L	5	ND	08/17/93
Carbon Disulfide	ug/L	5	ND	08/17/93
Acetone	ug/L	50	ND	08/17/93
Methylene Chloride	ug/L	10	ND	08/17/93
trans-1,2-Dichloroethene	ug/L	5	ND	08/17/93
1,1-Dichloroethane	ug/L	5	ND	08/17/93
Chloroform	ug/L	5	ND	08/17/93
1,1,1-Trichloroethane	ug/L	5	ND	08/17/93
1,2-Dichloroethane	ug/L	5	ND	08/17/93
cis-1,2-Dichlorethene	ug/L	5	ND	08/17/93
Carbon Tetrachloride	ug/L	5	ND	08/17/93
Benzene	ug/L	5	ND	08/17/93
1,2-Dichloropropane	ug/L	5	ND	08/17/93
Trichloroethene (TCE)	ug/L	5	ND	08/17/93
Bromodichloromethane	ug/L	5	ND	08/17/93
trans-1,3-Dichloropropene	ug/L	5	ND	08/17/93
4-Methyl-2-pentanone (MIBK)	ug/L	50	ND	08/17/93
Toluene	ug/L	5	ND	08/17/93
cis-1,3-Dichloropropene	ug/L	5	ND	08/17/93
1,1,2-Trichloroethane	ug/L	5	ND	08/17/93
Dibromochloromethane	ug/L	5	ND	08/17/93
2-Hexanone	ug/L	50	ND	08/17/93

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Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131340	
Date Collected:			08/11/93	
Date Received:			08/13/93	
Client Sample ID:			W-10-MW11	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Tetrachloroethene	ug/L	5	ND	08/17/93
Chlorobenzene	ug/L	5	ND	08/17/93
Ethylbenzene	ug/L	5	ND	08/17/93
Bromoform	ug/L	5	ND	08/17/93
Xylene(s) Total	ug/L	5	ND	08/17/93
Styrene	ug/L	5	ND	08/17/93
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	08/17/93
1,3-Dichlorobenzene	ug/L	5	ND	08/17/93
1,4-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichloroethane-d4 (Surrog. Recovery)			80%	08/17/93
Toluene-d8 (Surrogate Recovery)			102%	08/17/93
4-Bromofluorobenzene (Surrog.Recovery)			93%	08/17/93
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	08/20/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	08/20/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	08/20/93
Benzene	ug/L	0.5	0.5	08/20/93
Toluene	ug/L	0.5	0.7	08/20/93
Ethylbenzene	ug/L	0.5	1.2	08/20/93
Xylenes, Total	ug/L	0.5	2.7	08/20/93

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PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131367	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-7-MW9	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
STODDARD Solvent, EPA METHOD 5030/8015M	ug/L	50	ND	08/20/93
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Chloromethane	ug/L	10	ND	08/17/93
Vinyl Chloride	ug/L	10	ND	08/17/93
Bromomethane	ug/L	10	ND	08/17/93
Chloroethane	ug/L	10	ND	08/17/93
Trichlorofluoromethane	ug/L	5	ND	08/17/93
1,1,2-Trichlor-1,2,2-trifluoroethane	ug/L	5	ND	08/17/93
2-Butanone (MEK)	ug/L	50	ND	08/17/93
1,1-Dichloroethene	ug/L	5	ND	08/17/93
Carbon Disulfide	ug/L	5	ND	08/17/93
Acetone	ug/L	50	ND	08/17/93
Methylene Chloride	ug/L	10	ND	08/17/93
trans-1,2-Dichloroethene	ug/L	5	ND	08/17/93
1,1-Dichloroethane	ug/L	5	ND	08/17/93
Chloroform	ug/L	5	ND	08/17/93
1,1,1-Trichloroethane	ug/L	5	ND	08/17/93
1,2-Dichloroethane	ug/L	5	ND	08/17/93
cis-1,2-Dichlorethene	ug/L	5	ND	08/17/93
Carbon Tetrachloride	ug/L	5	ND	08/17/93
Benzene	ug/L	5	ND	08/17/93
1,2-Dichloropropane	ug/L	5	ND	08/17/93
Trichloroethene (TCE)	ug/L	5	ND	08/17/93
Bromodichloromethane	ug/L	5	ND	08/17/93
trans-1,3-Dichloropropene	ug/L	5	ND	08/17/93
4-Methyl-2-pentanone (MIBK)	ug/L	50	ND	08/17/93
Toluene	ug/L	5	ND	08/17/93
cis-1,3-Dichloropropene	ug/L	5	ND	08/17/93
1,1,2-Trichloroethane	ug/L	5	ND	08/17/93
Dibromochloromethane	ug/L	5	ND	08/17/93
2-Hexanone	ug/L	50	ND	08/17/93

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PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131367	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-7-MW9	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Tetrachloroethene	ug/L	5	ND	08/17/93
Chlorobenzene	ug/L	5	ND	08/17/93
Ethylbenzene	ug/L	5	ND	08/17/93
Bromoform	ug/L	5	ND	08/17/93
Xylene(s) Total	ug/L	5	ND	08/17/93
Styrene	ug/L	5	ND	08/17/93
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	08/17/93
1,3-Dichlorobenzene	ug/L	5	ND	08/17/93
1,4-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichloroethane-d4 (Surrog. Recovery)			83%	08/17/93
Toluene-d8 (Surrogate Recovery)			104%	08/17/93
4-Bromofluorobenzene (Surrog.Recovery)			95%	08/17/93
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	08/23/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	08/23/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	08/23/93
Benzene	ug/L	0.5	ND	08/23/93
Toluene	ug/L	0.5	ND	08/23/93
Ethylbenzene	ug/L	0.5	ND	08/23/93
Xylenes, Total	ug/L	0.5	ND	08/23/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	ND	08/18/93
Date Extracted			08/17/93	

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PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131375	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-8-MW10	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
STODDARD Solvent, EPA METHOD 5030/8015M	ug/L	50	ND	08/20/93
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Chloromethane	ug/L	10	ND	08/17/93
Vinyl Chloride	ug/L	10	ND	08/17/93
Bromomethane	ug/L	10	ND	08/17/93
Chloroethane	ug/L	10	ND	08/17/93
Trichlorofluoromethane	ug/L	5	ND	08/17/93
1,1,2-Trichlor-1,2,2-trifluoroethane	ug/L	5	ND	08/17/93
2-Butanone (MEK)	ug/L	50	ND	08/17/93
1,1-Dichloroethene	ug/L	5	ND	08/17/93
Carbon Disulfide	ug/L	5	ND	08/17/93
Acetone	ug/L	50	ND	08/17/93
Methylene Chloride	ug/L	10	ND	08/17/93
trans-1,2-Dichloroethene	ug/L	5	ND	08/17/93
1,1-Dichloroethane	ug/L	5	ND	08/17/93
Chloroform	ug/L	5	ND	08/17/93
1,1,1-Trichloroethane	ug/L	5	ND	08/17/93
1,2-Dichloroethane	ug/L	5	ND	08/17/93
cis-1,2-Dichlorethene	ug/L	5	ND	08/17/93
Carbon Tetrachloride	ug/L	5	ND	08/17/93
Benzene	ug/L	5	ND	08/17/93
1,2-Dichloropropane	ug/L	5	ND	08/17/93
Trichloroethene (TCE)	ug/L	5	ND	08/17/93
Bromodichloromethane	ug/L	5	ND	08/17/93
trans-1,3-Dichloropropene	ug/L	5	ND	08/17/93
4-Methyl-2-pentanone (MIBK)	ug/L	50	ND	08/17/93
Toluene	ug/L	5	ND	08/17/93
cis-1,3-Dichloropropene	ug/L	5	ND	08/17/93
1,1,2-Trichloroethane	ug/L	5	ND	08/17/93
Dibromochloromethane	ug/L	5	ND	08/17/93
2-Hexanone	ug/L	50	ND	08/17/93

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Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131375	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-8-MW10	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Tetrachloroethene	ug/L	5	ND	08/17/93
Chlorobenzene	ug/L	5	ND	08/17/93
Ethylbenzene	ug/L	5	ND	08/17/93
Bromoform	ug/L	5	ND	08/17/93
Xylene(s) Total	ug/L	5	ND	08/17/93
Styrene	ug/L	5	ND	08/17/93
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	08/17/93
1,3-Dichlorobenzene	ug/L	5	ND	08/17/93
1,4-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichloroethane-d4 (Surrog. Recovery)			80%	08/17/93
Toluene-d8 (Surrogate Recovery)			101%	08/17/93
4-Bromofluorobenzene (Surrog.Recovery)			92%	08/17/93
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	08/19/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	08/19/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	08/19/93
Benzene	ug/L	0.5	ND	08/19/93
Toluene	ug/L	0.5	ND	08/19/93
Ethylbenzene	ug/L	0.5	0.5	08/19/93
Xylenes, Total	ug/L	0.5	1.4	08/19/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	ND	08/18/93
Date Extracted			08/17/93	

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PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131383	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-8-MW7	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
STODDARD Solvent, EPA METHOD 5030/8015M	ug/L	50	2000 (**)	08/20/93
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Chloromethane	ug/L	10	ND	08/17/93
Vinyl Chloride	ug/L	10	ND	08/17/93
Bromomethane	ug/L	10	ND	08/17/93
Chloroethane	ug/L	10	ND	08/17/93
Trichlorofluoromethane	ug/L	5	ND	08/17/93
1,1,2-Trichlor-1,2,2-trifluoroethane	ug/L	5	ND	08/17/93
2-Butanone (MEK)	ug/L	50	ND	08/17/93
1,1-Dichloroethene	ug/L	5	ND	08/17/93
Carbon Disulfide	ug/L	5	ND	08/17/93
Acetone	ug/L	50	ND	08/17/93
Methylene Chloride	ug/L	10	ND	08/17/93
trans-1,2-Dichloroethene	ug/L	5	ND	08/17/93
1,1-Dichloroethane	ug/L	5	ND	08/17/93
Chloroform	ug/L	5	ND	08/17/93
1,1,1-Trichloroethane	ug/L	5	ND	08/17/93
1,2-Dichloroethane	ug/L	5	ND	08/17/93
cis-1,2-Dichlorethene	ug/L	5	ND	08/17/93
Carbon Tetrachloride	ug/L	5	ND	08/17/93
Benzene	ug/L	5	140	08/17/93
1,2-Dichloropropane	ug/L	5	ND	08/17/93
Trichloroethene (TCE)	ug/L	5	ND	08/17/93
Bromodichloromethane	ug/L	5	ND	08/17/93
trans-1,3-Dichloropropene	ug/L	5	ND	08/17/93
4-Methyl-2-pentanone (MIBK)	ug/L	50	ND	08/17/93
Toluene	ug/L	5	5	08/17/93
cis-1,3-Dichloropropene	ug/L	5	ND	08/17/93
1,1,2-Trichloroethane	ug/L	5	ND	08/17/93
Dibromochloromethane	ug/L	5	ND	08/17/93
2-Hexanone	ug/L	50	ND	08/17/93

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PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131383	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-8-MW7	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Tetrachloroethene	ug/L	5	ND	08/17/93
Chlorobenzene	ug/L	5	ND	08/17/93
Ethylbenzene	ug/L	5	12	08/17/93
Bromoform	ug/L	5	ND	08/17/93
Xylene(s) Total	ug/L	5	10	08/17/93
Styrene	ug/L	5	ND	08/17/93
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	08/17/93
1,3-Dichlorobenzene	ug/L	5	ND	08/17/93
1,4-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichloroethane-d4 (Surrog. Recovery)			83%	08/17/93
Toluene-d8 (Surrogate Recovery)			102%	08/17/93
4-Bromofluorobenzene (Surrog.Recovery)			98%	08/17/93
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	08/19/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	2700	08/19/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	08/19/93
Benzene	ug/L	0.5	130	08/19/93
Toluene	ug/L	0.5	1.3	08/19/93
Ethylbenzene	ug/L	0.5	13	08/19/93
Xylenes, Total	ug/L	0.5	12	08/19/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.37	08/18/93
Date Extracted			08/17/93	

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131391	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-8-MW14	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
STODDARD Solvent, EPA METHOD 5030/8015M	ug/L	50	140 (**)	08/20/93
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Chloromethane	ug/L	10	ND	08/17/93
Vinyl Chloride	ug/L	10	ND	08/17/93
Bromomethane	ug/L	10	ND	08/17/93
Chloroethane	ug/L	10	ND	08/17/93
Trichlorofluoromethane	ug/L	5	ND	08/17/93
1,1,2-Trichlor-1,2,2-trifluoroethane	ug/L	5	ND	08/17/93
2-Butanone (MEK)	ug/L	50	ND	08/17/93
1,1-Dichloroethene	ug/L	5	ND	08/17/93
Carbon Disulfide	ug/L	5	ND	08/17/93
Acetone	ug/L	50	ND	08/17/93
Methylene Chloride	ug/L	10	ND	08/17/93
trans-1,2-Dichloroethene	ug/L	5	ND	08/17/93
1,1-Dichloroethane	ug/L	5	ND	08/17/93
Chloroform	ug/L	5	ND	08/17/93
1,1,1-Trichloroethane	ug/L	5	ND	08/17/93
1,2-Dichloroethane	ug/L	5	ND	08/17/93
cis-1,2-Dichlorethene	ug/L	5	ND	08/17/93
Carbon Tetrachloride	ug/L	5	ND	08/17/93
Benzene	ug/L	5	ND	08/17/93
1,2-Dichloropropane	ug/L	5	ND	08/17/93
Trichloroethene (TCE)	ug/L	5	ND	08/17/93
Bromodichloromethane	ug/L	5	ND	08/17/93
trans-1,3-Dichloropropene	ug/L	5	ND	08/17/93
4-Methyl-2-pentanone (MIBK)	ug/L	50	ND	08/17/93
Toluene	ug/L	5	ND	08/17/93
cis-1,3-Dichloropropene	ug/L	5	ND	08/17/93
1,1,2-Trichloroethane	ug/L	5	ND	08/17/93
Dibromochloromethane	ug/L	5	ND	08/17/93
2-Hexanone	ug/L	50	ND	08/17/93

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August 25, 1993
PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131391	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-8-MW14	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Tetrachloroethene	ug/L	5	ND	08/17/93
Chlorobenzene	ug/L	5	ND	08/17/93
Ethylbenzene	ug/L	5	ND	08/17/93
Bromoform	ug/L	5	ND	08/17/93
Xylene(s) Total	ug/L	5	ND	08/17/93
Styrene	ug/L	5	ND	08/17/93
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	08/17/93
1,3-Dichlorobenzene	ug/L	5	ND	08/17/93
1,4-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichloroethane-d4 (Surrog. Recovery)			83%	08/17/93
Toluene-d8 (Surrogate Recovery)			96%	08/17/93
4-Bromofluorobenzene (Surrog.Recovery)			101%	08/17/93
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	08/19/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	180	08/19/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	08/19/93
Benzene	ug/L	0.5	0.6	08/19/93
Toluene	ug/L	0.5	ND	08/19/93
Ethylbenzene	ug/L	0.5	1.6	08/19/93
Xylenes, Total	ug/L	0.5	3.7	08/19/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.18	08/18/93
Date Extracted			08/17/93	

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Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131413	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-7-MW15	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
STODDARD Solvent, EPA METHOD 5030/8015M	ug/L	50	300 (**)	08/20/93
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Chloromethane	ug/L	10	ND	08/17/93
Vinyl Chloride	ug/L	10	ND	08/17/93
Bromomethane	ug/L	10	ND	08/17/93
Chloroethane	ug/L	10	ND	08/17/93
Trichlorofluoromethane	ug/L	5	ND	08/17/93
1,1,2-Trichlor-1,2,2-trifluoroethane	ug/L	5	ND	08/17/93
2-Butanone (MEK)	ug/L	50	ND	08/17/93
1,1-Dichloroethene	ug/L	5	ND	08/17/93
Carbon Disulfide	ug/L	5	ND	08/17/93
Acetone	ug/L	50	ND	08/17/93
Methylene Chloride	ug/L	10	ND	08/17/93
trans-1,2-Dichloroethene	ug/L	5	ND	08/17/93
1,1-Dichloroethane	ug/L	5	ND	08/17/93
Chloroform	ug/L	5	ND	08/17/93
1,1,1-Trichloroethane	ug/L	5	ND	08/17/93
1,2-Dichloroethane	ug/L	5	ND	08/17/93
cis-1,2-Dichlorethene	ug/L	5	ND	08/17/93
Carbon Tetrachloride	ug/L	5	ND	08/17/93
Benzene	ug/L	5	70	08/17/93
1,2-Dichloropropane	ug/L	5	ND	08/17/93
Trichloroethene (TCE)	ug/L	5	ND	08/17/93
Bromodichloromethane	ug/L	5	ND	08/17/93
trans-1,3-Dichloropropene	ug/L	5	ND	08/17/93
4-Methyl-2-pentanone (MIBK)	ug/L	50	ND	08/17/93
Toluene	ug/L	5	ND	08/17/93
cis-1,3-Dichloropropene	ug/L	5	ND	08/17/93
1,1,2-Trichloroethane	ug/L	5	ND	08/17/93
Dibromochloromethane	ug/L	5	ND	08/17/93
2-Hexanone	ug/L	50	ND	08/17/93

REPORT OF LABORATORY ANALYSIS

August 25, 1993
PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131413	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-7-MW15	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Tetrachloroethene	ug/L	5	ND	08/17/93
Chlorobenzene	ug/L	5	ND	08/17/93
Ethylbenzene	ug/L	10	640 (DL)	08/17/93
Bromoform	ug/L	5	ND	08/17/93
Xylene(s) Total	ug/L	5	26	08/17/93
Styrene	ug/L	5	ND	08/17/93
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	08/17/93
1,3-Dichlorobenzene	ug/L	5	ND	08/17/93
1,4-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichloroethane-d4 (Surrog. Recovery)			82%	08/17/93
Toluene-d8 (Surrogate Recovery)			102%	08/17/93
4-Bromofluorobenzene (Surrog.Recovery)			97%	08/17/93
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	08/19/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	250	4800	08/19/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	08/19/93
Benzene	ug/L	2.5	49	08/19/93
Toluene	ug/L	2.5	ND	08/19/93
Ethylbenzene	ug/L	2.5	410	08/19/93
Xylenes, Total	ug/L	2.5	34	08/19/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	0.71	08/18/93
Date Extracted			08/17/93	

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Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131421	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-7-MW8	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
STODDARD Solvent, EPA METHOD 5030/8015M	ug/L	50	370 (**)	08/20/93
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Chloromethane	ug/L	10	ND	08/17/93
Vinyl Chloride	ug/L	10	ND	08/17/93
Bromomethane	ug/L	10	ND	08/17/93
Chloroethane	ug/L	10	ND	08/17/93
Trichlorofluoromethane	ug/L	5	ND	08/17/93
1,1,2-Trichlor-1,2,2-trifluoroethane	ug/L	5	ND	08/17/93
2-Butanone (MEK)	ug/L	50	ND	08/17/93
1,1-Dichloroethene	ug/L	5	ND	08/17/93
Carbon Disulfide	ug/L	5	ND	08/17/93
Acetone	ug/L	50	ND	08/17/93
Methylene Chloride	ug/L	10	ND	08/17/93
trans-1,2-Dichloroethene	ug/L	5	ND	08/17/93
1,1-Dichloroethane	ug/L	5	ND	08/17/93
Chloroform	ug/L	5	ND	08/17/93
1,1,1-Trichloroethane	ug/L	5	ND	08/17/93
1,2-Dichloroethane	ug/L	5	ND	08/17/93
cis-1,2-Dichlorethene	ug/L	5	ND	08/17/93
Carbon Tetrachloride	ug/L	5	ND	08/17/93
Benzene	ug/L	100	4900 (DL)	08/17/93
1,2-Dichloropropane	ug/L	5	ND	08/17/93
Trichloroethene (TCE)	ug/L	5	ND	08/17/93
Bromodichloromethane	ug/L	5	ND	08/17/93
trans-1,3-Dichloropropene	ug/L	5	ND	08/17/93
4-Methyl-2-pentanone (MIBK)	ug/L	50	ND	08/17/93
Toluene	ug/L	100	1600 (DL)	08/17/93
cis-1,3-Dichloropropene	ug/L	5	ND	08/17/93
1,1,2-Trichloroethane	ug/L	5	ND	08/17/93
Dibromochloromethane	ug/L	5	ND	08/17/93
2-Hexanone	ug/L	50	ND	08/17/93

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PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131421	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-7-MW8	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Tetrachloroethene	ug/L	5	ND	08/17/93
Chlorobenzene	ug/L	5	ND	08/17/93
Ethylbenzene	ug/L	100	3300 (DL)	08/17/93
Bromoform	ug/L	5	ND	08/17/93
Xylene(s) Total	ug/L	100	8200 (DL)	08/17/93
Styrene	ug/L	5	ND	08/17/93
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	08/17/93
1,3-Dichlorobenzene	ug/L	5	ND	08/17/93
1,4-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichloroethane-d4 (Surrog. Recovery)			72% (*)	08/17/93
Toluene-d8 (Surrogate Recovery)			102%	08/17/93
4-Bromofluorobenzene (Surrog.Recovery)			101%	08/17/93
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	08/19/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	2500	53000	08/19/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	08/19/93
Benzene	ug/L	25	4200	08/19/93
Toluene	ug/L	25	1300	08/19/93
Ethylbenzene	ug/L	25	2600	08/19/93
Xylenes, Total	ug/L	25	7200	08/19/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	2.6	08/18/93
Date Extracted			08/17/93	

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Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131430	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-6-MW12	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
STODDARD Solvent, EPA METHOD 5030/8015M	ug/L	50	190 (**)	08/20/93
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Chloromethane	ug/L	500	ND	08/18/93
Vinyl Chloride	ug/L	500	ND	08/18/93
Bromomethane	ug/L	500	ND	08/18/93
Chloroethane	ug/L	500	ND	08/18/93
Trichlorofluoromethane	ug/L	250	ND	08/18/93
1,1,2-Trichlor-1,2,2-trifluoroethane	ug/L	250	ND	08/18/93
2-Butanone (MEK)	ug/L	2500	ND	08/18/93
1,1-Dichloroethene	ug/L	250	ND	08/18/93
Carbon Disulfide	ug/L	250	ND	08/18/93
Acetone	ug/L	2500	ND	08/18/93
Methylene Chloride	ug/L	500	ND	08/18/93
trans-1,2-Dichloroethene	ug/L	250	ND	08/18/93
1,1-Dichloroethane	ug/L	250	ND	08/18/93
Chloroform	ug/L	250	ND	08/18/93
1,1,1-Trichloroethane	ug/L	250	ND	08/18/93
1,2-Dichloroethane	ug/L	250	ND	08/18/93
cis-1,2-Dichlorethene	ug/L	250	ND	08/18/93
Carbon Tetrachloride	ug/L	250	ND	08/18/93
Benzene	ug/L	250	13000	08/18/93
1,2-Dichloropropane	ug/L	250	ND	08/18/93
Trichloroethene (TCE)	ug/L	250	ND	08/18/93
Bromodichloromethane	ug/L	250	ND	08/18/93
trans-1,3-Dichloropropene	ug/L	250	ND	08/18/93
4-Methyl-2-pentanone (MIBK)	ug/L	2500	ND	08/18/93
Toluene	ug/L	250	11000	08/18/93
cis-1,3-Dichloropropene	ug/L	250	ND	08/18/93
1,1,2-Trichloroethane	ug/L	250	ND	08/18/93
Dibromochloromethane	ug/L	250	ND	08/18/93
2-Hexanone	ug/L	2500	ND	08/18/93

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REPORT OF LABORATORY ANALYSIS

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August 25, 1993
PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131430	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-6-MW12	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Tetrachloroethene	ug/L	250	ND	08/18/93
Chlorobenzene	ug/L	250	ND	08/18/93
Ethylbenzene	ug/L	250	4000	08/18/93
Bromoform	ug/L	250	ND	08/18/93
Xylene(s) Total	ug/L	250	15000	08/18/93
Styrene	ug/L	250	ND	08/18/93
1,1,2,2,-Tetrachloroethane	ug/L	250	ND	08/18/93
1,3-Dichlorobenzene	ug/L	250	ND	08/18/93
1,4-Dichlorobenzene	ug/L	250	ND	08/18/93
1,2-Dichlorobenzene	ug/L	250	ND	08/18/93
1,2-Dichloroethane-d4 (Surrog. Recovery)			77%	08/18/93
Toluene-d8 (Surrogate Recovery)			105%	08/18/93
4-Bromofluorobenzene (Surrog.Recovery)			93%	08/18/93
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	08/19/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	2500	94000	08/19/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	08/19/93
Benzene	ug/L	25	10000	08/19/93
Toluene	ug/L	25	8300	08/19/93
Ethylbenzene	ug/L	25	2800	08/19/93
Xylenes, Total	ug/L	25	13000	08/19/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	2.4	08/18/93
Date Extracted			08/17/93	

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Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131456	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-7-MW13	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
STODDARD Solvent, EPA METHOD 5030/8015M	ug/L	50	360 (**)	08/20/93
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Chloromethane	ug/L	10	ND	08/17/93
Vinyl Chloride	ug/L	10	ND	08/17/93
Bromomethane	ug/L	10	ND	08/17/93
Chloroethane	ug/L	10	ND	08/17/93
Trichlorofluoromethane	ug/L	5	ND	08/17/93
1,1,2-Trichlor-1,2,2-trifluoroethane	ug/L	5	ND	08/17/93
2-Butanone (MEK)	ug/L	50	ND	08/17/93
1,1-Dichloroethene	ug/L	5	ND	08/17/93
Carbon Disulfide	ug/L	5	ND	08/17/93
Acetone	ug/L	50	ND	08/17/93
Methylene Chloride	ug/L	10	ND	08/17/93
trans-1,2-Dichloroethene	ug/L	5	ND	08/17/93
1,1-Dichloroethane	ug/L	5	ND	08/17/93
Chloroform	ug/L	5	ND	08/17/93
1,1,1-Trichloroethane	ug/L	5	ND	08/17/93
1,2-Dichloroethane	ug/L	5	ND	08/17/93
cis-1,2-Dichlorethene	ug/L	5	ND	08/17/93
Carbon Tetrachloride	ug/L	5	ND	08/17/93
Benzene	ug/L	100	7700 (DL)	08/17/93
1,2-Dichloropropane	ug/L	5	ND	08/17/93
Trichloroethene (TCE)	ug/L	5	ND	08/17/93
Bromodichloromethane	ug/L	5	ND	08/17/93
trans-1,3-Dichloropropene	ug/L	5	ND	08/17/93
4-Methyl-2-pentanone (MIBK)	ug/L	50	ND	08/17/93
Toluene	ug/L	100	3700 (DL)	08/17/93
cis-1,3-Dichloropropene	ug/L	5	ND	08/17/93
1,1,2-Trichloroethane	ug/L	5	ND	08/17/93
Dibromochloromethane	ug/L	5	ND	08/17/93
2-Hexanone	ug/L	50	ND	08/17/93

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August 25, 1993
PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

Parameter	Units	MDL		DATE ANALYZED
PACE Sample Number:			70 0131456	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-7-MW13	
ORGANIC ANALYSIS				
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Tetrachloroethene	ug/L	5	ND	08/17/93
Chlorobenzene	ug/L	5	ND	08/17/93
Ethylbenzene	ug/L	100	3500 (DL)	08/17/93
Bromoform	ug/L	5	ND	08/17/93
Xylene(s) Total	ug/L	100	14000 (DL)	08/17/93
Styrene	ug/L	5	ND	08/17/93
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	08/17/93
1,3-Dichlorobenzene	ug/L	5	ND	08/17/93
1,4-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichlorobenzene	ug/L	5	ND	08/17/93
1,2-Dichloroethane-d4 (Surrog. Recovery)			61% (*)	08/17/93
Toluene-d8 (Surrogate Recovery)			100%	08/17/93
4-Bromofluorobenzene (Surrog.Recovery)			91%	08/17/93
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	08/19/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	2500	62000	08/19/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	08/19/93
Benzene	ug/L	25	5600	08/19/93
Toluene	ug/L	25	2700	08/19/93
Ethylbenzene	ug/L	25	2300	08/19/93
Xylenes, Total	ug/L	25	11000	08/19/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	2.5	08/18/93
Date Extracted			08/17/93	

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Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131472	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-9-MW3	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
STODDARD Solvent, EPA METHOD 5030/8015M	ug/L	50	140 (**)	08/20/93
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Chloromethane	ug/L	50	ND	08/18/93
Vinyl Chloride	ug/L	50	ND	08/18/93
Bromomethane	ug/L	50	ND	08/18/93
Chloroethane	ug/L	50	ND	08/18/93
Trichlorofluoromethane	ug/L	25	ND	08/18/93
1,1,2-Trichlor-1,2,2-trifluoroethane	ug/L	25	ND	08/18/93
2-Butanone (MEK)	ug/L	250	ND	08/18/93
1,1-Dichloroethene	ug/L	25	ND	08/18/93
Carbon Disulfide	ug/L	25	ND	08/18/93
Acetone	ug/L	250	ND	08/18/93
Methylene Chloride	ug/L	50	ND	08/18/93
trans-1,2-Dichloroethene	ug/L	25	ND	08/18/93
1,1-Dichloroethane	ug/L	25	ND	08/18/93
Chloroform	ug/L	25	ND	08/18/93
1,1,1-Trichloroethane	ug/L	25	ND	08/18/93
1,2-Dichloroethane	ug/L	25	ND	08/18/93
cis-1,2-Dichlorethene	ug/L	25	ND	08/18/93
Carbon Tetrachloride	ug/L	25	ND	08/18/93
Benzene	ug/L	25	2000	08/18/93
1,2-Dichloropropane	ug/L	25	ND	08/18/93
Trichloroethene (TCE)	ug/L	25	ND	08/18/93
Bromodichloromethane	ug/L	25	ND	08/18/93
trans-1,3-Dichloropropene	ug/L	25	ND	08/18/93
4-Methyl-2-pentanone (MIBK)	ug/L	250	ND	08/18/93
Toluene	ug/L	25	ND	08/18/93
cis-1,3-Dichloropropene	ug/L	25	ND	08/18/93
1,1,2-Trichloroethane	ug/L	25	ND	08/18/93
Dibromochloromethane	ug/L	25	ND	08/18/93
2-Hexanone	ug/L	250	ND	08/18/93

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PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131472	
Date Collected:			08/12/93	
Date Received:			08/13/93	
Client Sample ID:			W-9-MW3	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Tetrachloroethene	ug/L	25	ND	08/18/93
Chlorobenzene	ug/L	25	ND	08/18/93
Ethylbenzene	ug/L	25	160	08/18/93
Bromoform	ug/L	25	ND	08/18/93
Xylene(s) Total	ug/L	25	60	08/18/93
Styrene	ug/L	25	ND	08/18/93
1,1,2,2,-Tetrachloroethane	ug/L	25	ND	08/18/93
1,3-Dichlorobenzene	ug/L	25	ND	08/18/93
1,4-Dichlorobenzene	ug/L	25	ND	08/18/93
1,2-Dichlorobenzene	ug/L	25	ND	08/18/93
1,2-Dichloroethane-d4 (Surrog. Recovery)			76%	08/18/93
Toluene-d8 (Surrogate Recovery)			104%	08/18/93
4-Bromofluorobenzene (Surrog.Recovery)			93%	08/18/93
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	08/19/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	250	5100	08/19/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	08/19/93
Benzene	ug/L	2.5	1300	08/19/93
Toluene	ug/L	2.5	12	08/19/93
Ethylbenzene	ug/L	2.5	87	08/19/93
Xylenes, Total	ug/L	2.5	47	08/19/93
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	3.2	08/18/93
Date Extracted			08/17/93	

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
Page 23

August 25, 1993
PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number:			70 0131499	
Date Collected:			08/11/93	
Date Received:			08/13/93	
Client Sample ID:			W-Rinsate	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
STODDARD Solvent, EPA METHOD 5030/8015M	ug/L	50	ND	08/20/93
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	08/20/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	08/20/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	08/20/93
Benzene	ug/L	0.5	ND	08/20/93
Toluene	ug/L	0.5	ND	08/20/93
Ethylbenzene	ug/L	0.5	ND	08/20/93
Xylenes, Total	ug/L	0.5	0.5	08/20/93

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 23

August 25, 1993
PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

MDL	Method Detection Limit
ND	Not detected at or above the MDL.
DL	Sample required dilution for this compound in order to obtain a result within the linear range of the instrument.
(*)	Surrogate recovery below quality control limit. Sample was reanalyzed with similar result.
(**)	Sample chromatogram was not representative of a Stoddard Solvent pattern. Pattern was representative of the heavier hydrocarbons found in a gasoline pattern.

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QUALITY CONTROL DATA

August 25, 1993
PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

EXTRACTABLE FUELS EPA 3510/8015
Batch: 70 23790
Samples: 70 0131367, 70 0131375, 70 0131383, 70 0131391, 70 0131413
70 0131421, 70 0131430, 70 0131456, 70 0131472

METHOD BLANK:

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

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	53%	60%	12%

Mr. Marc Briggs
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QUALITY CONTROL DATA

August 25, 1993
PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

PURGEABLE FUELS AND AROMATICS
Batch: 70 23831
Samples: 70 0131332, 70 0131340, 70 0131499

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	109%	102%	6%
Benzene	ug/L	0.5	40.0	96%	98%	2%
Toluene	ug/L	0.5	40.0	91%	94%	3%
Ethylbenzene	ug/L	0.5	40.0	86%	92%	6%
Xylenes, Total	ug/L	0.5	120	89%	94%	5%

Mr. Marc Briggs
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QUALITY CONTROL DATA

August 25, 1993
PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

PURGEABLE FUELS AND AROMATICS
Batch: 70 23869
Samples: 70 0131367, 70 0131375, 70 0131383, 70 0131391, 70 0131413
70 0131421, 70 0131430, 70 0131456, 70 0131472

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	97%	98%	1%
Benzene	ug/L	0.5	100	101%	97%	4%
Toluene	ug/L	0.5	100	98%	95%	3%
Ethylbenzene	ug/L	0.5	100	94%	90%	4%
Xylenes, Total	ug/L	0.5	300	101%	98%	3%

Mr. Marc Briggs
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QUALITY CONTROL DATA

August 25, 1993
PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

VOLATILE ORGANICS, EPA METHOD 624 GC/MS
Batch: 70 23748
Samples: 70 0131332, 70 0131340, 70 0131367, 70 0131375, 70 0131383
70 0131391, 70 0131413, 70 0131421, 70 0131456

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Chloromethane	ug/L	10	ND
Vinyl Chloride	ug/L	10	ND
Bromomethane	ug/L	10	ND
Chloroethane	ug/L	10	ND
Trichlorofluoromethane	ug/L	5	ND
1,1,2-Trichlor-1,2,2-trifluoroethane	ug/L	5	ND
2-Butanone (MEK)	ug/L	50	ND
1,1-Dichloroethene	ug/L	5	ND
Carbon Disulfide	ug/L	5	ND
Acetone	ug/L	50	ND
Methylene Chloride	ug/L	10	ND
trans-1,2-Dichloroethene	ug/L	5	ND
1,1-Dichloroethane	ug/L	5	ND
Chloroform	ug/L	5	ND
1,1,1-Trichloroethane	ug/L	5	ND
1,2-Dichloroethane	ug/L	5	ND
cis-1,2-Dichlorethene	ug/L	5	ND
Carbon Tetrachloride	ug/L	5	ND
Benzene	ug/L	5	ND
1,2-Dichloropropane	ug/L	5	ND
Trichloroethene (TCE)	ug/L	5	ND
Bromodichloromethane	ug/L	5	ND
trans-1,3-Dichloropropene	ug/L	5	ND
4-Methyl-2-pentanone (MIBK)	ug/L	50	ND
Toluene	ug/L	5	ND
cis-1,3-Dichloropropene	ug/L	5	ND
1,1,2-Trichloroethane	ug/L	5	ND
Dibromochloromethane	ug/L	5	ND
2-Hexanone	ug/L	50	ND
Tetrachloroethene	ug/L	5	ND
Chlorobenzene	ug/L	5	ND

Mr. Marc Briggs
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QUALITY CONTROL DATA

August 25, 1993
PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

VOLATILE ORGANICS, EPA METHOD 624 GC/MS
Batch: 70 23748
Samples: 70 0131332, 70 0131340, 70 0131367, 70 0131375, 70 0131383
70 0131391, 70 0131413, 70 0131421, 70 0131456

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Ethylbenzene	ug/L	5	ND
Bromoform	ug/L	5	ND
Xylene(s) Total	ug/L	5	ND
Styrene	ug/L	5	ND
1,1,2,2,-Tetrachloroethane	ug/L	5	ND
1,3-Dichlorobenzene	ug/L	5	ND
1,4-Dichlorobenzene	ug/L	5	ND
1,2-Dichlorobenzene	ug/L	5	ND
1,2-Dichloroethane-d4 (Surrog. Recovery			81%
Toluene-d8 (Surrogate Recovery)			103%
4-Bromofluorobenzene (Surrog.Recovery)			96%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
1,1-Dichloroethene	ug/L	5	50.00	74%	76%	2%
Benzene	ug/L	5	50.00	96%	88%	8%
Trichloroethene (TCE)	ug/L	5	50.00	88%	80%	9%
Toluene	ug/L	5	50.00	92%	84%	9%
Chlorobenzene	ug/L	5	50.00	86%	82%	4%

Mr. Marc Briggs
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QUALITY CONTROL DATA

August 25, 1993
PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

VOLATILE ORGANICS, EPA METHOD 624 GC/MS
Batch: 70 23783
Samples: 70 0131430, 70 0131472

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Chloromethane	ug/L	10	ND
Vinyl Chloride	ug/L	10	ND
Bromomethane	ug/L	10	ND
Chloroethane	ug/L	10	ND
Trichlorofluoromethane	ug/L	5	ND
1,1,2-Trichlor-1,2,2-trifluoroethane	ug/L	5	ND
2-Butanone (MEK)	ug/L	50	ND
1,1-Dichloroethene	ug/L	5	ND
Carbon Disulfide	ug/L	5	ND
Acetone	ug/L	50	ND
Methylene Chloride	ug/L	10	ND
trans-1,2-Dichloroethene	ug/L	5	ND
1,1-Dichloroethane	ug/L	5	ND
Chloroform	ug/L	5	ND
1,1,1-Trichloroethane	ug/L	5	ND
1,2-Dichloroethane	ug/L	5	ND
cis-1,2-Dichlorethene	ug/L	5	ND
Carbon Tetrachloride	ug/L	5	ND
Benzene	ug/L	5	ND
1,2-Dichloropropane	ug/L	5	ND
Trichloroethene (TCE)	ug/L	5	ND
Bromodichloromethane	ug/L	5	ND
trans-1,3-Dichloropropene	ug/L	5	ND
4-Methyl-2-pentanone (MIBK)	ug/L	50	ND
Toluene	ug/L	5	ND
cis-1,3-Dichloropropene	ug/L	5	ND
1,1,2-Trichloroethane	ug/L	5	ND
Dibromochloromethane	ug/L	5	ND
2-Hexanone	ug/L	50	ND
Tetrachloroethene	ug/L	5	ND
Chlorobenzene	ug/L	5	ND
Ethylbenzene	ug/L	5	ND

Client Reference: Exxon 7-3006 (EE)

VOLATILE ORGANICS, EPA METHOD 624 GC/MS
Batch: 70 23783
Samples: 70 0131430, 70 0131472

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Bromoform	ug/L	5	ND
Xylene(s) Total	ug/L	5	ND
Styrene	ug/L	5	ND
1,1,2,2,-Tetrachloroethane	ug/L	5	ND
1,3-Dichlorobenzene	ug/L	5	ND
1,4-Dichlorobenzene	ug/L	5	ND
1,2-Dichlorobenzene	ug/L	5	ND
1,2-Dichloroethane-d4 (Surrog. Recovery			76%
Toluene-d8 (Surrogate Recovery)			104%
4-Bromofluorobenzene (Surrog.Recovery)			92%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
1,1-Dichloroethene	ug/L	5	50	90%	84%	6%
Benzene	ug/L	5	50	92%	90%	2%
Trichloroethene (TCE)	ug/L	5	50	84%	82%	2%
Toluene	ug/L	5	50	96%	94%	2%
Chlorobenzene	ug/L	5	50	90%	90%	0%

Mr. Marc Briggs
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FOOTNOTES
for pages 25 through 31

August 25, 1993
PACE Project Number: 430813516

Client Reference: Exxon 7-3006 (EE)

MDL	Method Detection Limit
ND	Not detected at or above the MDL.
RPD	Relative Percent Difference

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EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

430813.5Ø6 1/3

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

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

Consultant's Name: RESNA		Page 1 of 3
Address: 3315 Almaden Expwy., San Jose CA 95118		Site Location: 720 High St
Project #:	Consultant Project #: 130006.01	Consultant Work Release #:
Project Contact: Jean Buckthal/Mark Briggs	Phone #: (408) 264-7723 Fax #: 264-2435	Laboratory Work Release #: 09300303
EXXON Contact: Marla Guensler [ ] 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 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	Goddard Solvent*	8240	COMMENTS
W-9-MW1	8/11/93 6:20	H2O	HCl	3	13133.2	X				(X)	
~~W-9-MW1d~~	"	"	—	1			X		(X)		
W-10-MW11	8/11/93 [illegible]:00		HCl	3	134.0	X				(X)	
~~W-10-MW11d~~	"		—	1			X		(X)		
W-7-MW9	8/12/93 9:35		HCl	3	136.7	X				(X)	
W-7-MW9d	"		—	1	↓		X		(X)		
W-8-MW10	8/12/93 12:20		HCl	3	137.5	X				(X)	
W-8-MW10d	"		—	1	↓		X		(X)		
W-8-MW7	8/12 1:35		HCl	3	138.3	X				(X)	
W-8-MW7d	"	↓	—	1	↓		X		(X)		

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

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time	Additional Comments:
Chris Allen	8/12	10:00	[illegible]	8/13	1020	(S) Analyses per M Briggs (CJ 8/13)
[illegible]	8/13	1630	Theresa [illegible] PACE	8/13	1630	

10/3, 4/1

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

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CHAIN OF CUSTODY

2/3

430813.5 bc

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

Consultant's Name: RESNA

Address: 3315 Almaden Expwy San Jose CA 95118

Site Location: 720 High St

Project #:

Consultant Project #: 130006.01

Consultant Work Release #:

Project Contact: Dave Buckthal/Mark Briggs

Phone # (408) 264-7723 Fax #: 264-2435

Laboratory Work Release #: 09300303

EXXON Contact: Marla Guensler [ ] EE [ ] C&M

Phone # (510) 246-8776 Fax #:

EXXON RAS #: 7-3086

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)

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

ANALYSIS REQUIRED

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	Stoddard Solvent	8240	COMMENTS
W-8-MW14	4:00 8/12	H2O	HCL	3	13139.1	X				(X)	
W-8-MW14	"	"	—	1	↓		X		X		
W-7-MW15	8/12 4:45	H2O	HCL	3	141.3	X				(X)	
W-7-MW15d	"	"	—	1	↓		X		(X)		
W-7-MW8	8/12 6:00	H2O	HCL	3	142.1	X				(X)	
W-7-MW8d	"	"	—	1	↓		X		(X)		
W-6-MW12	8/12 6:20	H2O	HCL	3	143.0	X				(X)	
W-6-MW12d	"	"	—	1	↓		X		(X)		
W-7-MW13	8/12 6:25	H2O	HCL	3	145.6	X				(X)	
W-7-MW13d	"	"	—	1	↓		X		(X)		

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time
Chris Allen	8/13	10:00	[illegible] - Pace	8/13	1200
[illegible] Pace	8/13	1630	Sherry [illegible] Pace	8/13	1630

Additional Comments: (X) Analyses per Marc Briggs @ Resna ([illegible] 9/13)

10/3. H/1

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

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430813-SAC 3/3

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

Consultant's Name: RESNA

Page 3 of 3

Address: 3315 Almaden Expwy. San Jose CA 95118

Site Location: 720 High St.

Project #:

Consultant Project #:

Consultant Work Release #:

Project Contact: Jeane Bucknell/Mark Briggs

Phone #(408) 264-7723 Fax #264-2535

Laboratory Work Release #: 093003303

EXXON Contact: Maria Gruenstein ☐ 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	Stoddard Solvent	8240							COMMENTS
W-9-4W3	8/12 8:42 PM	H2O	HCl	3	13147.2	X				X							
W-9-4W3	"	"	—	1	↓		X		X								
W-Composite	8/11/93	"	HCl	3	149.9	X			X	Analysis 8/13							

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time	Additional Comments:
Chris Allen/RESNA	8/12	10:00	[illegible] Pace	8/13	1220	(X) Analysis per Marc Briggs (8/9/13)
[illegible] RESNA	8/13	1630	S. Gowin Pace	8/13	1630	10/3

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

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REPORT OF LABORATORY ANALYSIS

August 24, 1993

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

RE: PACE Project No. 430816.512
     Client Reference: Exxon 7-3006(EE)

Dear Mr. Briggs:

Enclosed is the report of laboratory analyses for samples received August 16, 1993.

Footnotes are given at the end of the report.

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

Sincerely,

Stacy P Hoch

Stacy P. Hoch
Project Manager

Enclosures

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REPORT OF LABORATORY ANALYSIS

RESNA
3315 Almaden Expressway Suite 34
San Jose, CA 95118

August 24, 1993
PACE Project Number: 430816512

Attn: Mr. Marc Briggs

Client Reference: Exxon 7-3006(EE)

PACE Sample Number:			70 0132045	
Date Collected:			08/13/93	
Date Received:			08/16/93	
Client Sample ID:			W-8.65-MW1d	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	ND	08/19/93
Date Extracted			08/18/93	

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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
Page 2

August 24, 1993
PACE Project Number: 430816512

Client Reference: Exxon 7-3006(EE)

PACE Sample Number:			70 0132053	
Date Collected:			08/13/93	
Date Received:			08/16/93	
Client Sample ID:			W-8.96-MW11d	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	ND	08/19/93
Date Extracted			08/18/93	

These data have been reviewed and are approved for release.

Darrell C. Cain
Regional Director

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TEL: 415-883-6100
FAX: 415-883-2673

Mr. Marc Briggs
Page 3

FOOTNOTES
for pages 1 through 2

August 24, 1993
PACE Project Number: 430816512

Client Reference: Exxon 7-3006(EE)

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

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FAX: 415-883-2673

REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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QUALITY CONTROL DATA

August 24, 1993
PACE Project Number: 430816512

Client Reference: Exxon 7-3006(EE)

EXTRACTABLE FUELS EPA 3510/8015
Batch: 70 23840
Samples: 70 0132045, 70 0132053

METHOD BLANK:

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

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	68%	79%	14%

11 Digital Drive
Novato, CA 94949
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FOOTNOTES
for page 4

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MDL	Method Detection Limit
ND	Not detected at or above the MDL.
RPD	Relative Percent Difference

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pace INCORPORATED THE ASSURANCE OF QUALITY

EXXON COMPANY, U.S.A.

430816.S12

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: RESNA — Page ___ of ___

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

Project #: — Consultant Project #: 130006.01 — Consultant Work Release #:

Project Contact: Jeanne Buckthal/Mark Briggs — Phone #: (408) 264-7723 Fax #: 264-2435 — Laboratory Work Release #: 09300303

EXXON Contact: Mark Griensler [ ] 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)

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									COMMENTS
W-8.65-MW6	8/13 11:00	H_2O	—	1	13204.5		X										
W-8.96-MW10	8/13 10:45	H_2O	—	1	13205.3		X										

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time
Chris Allen	8/13	1420	E. Watts Pace	8/16	1420
E. Watts Pace	8/16	1730	[signature] PACE	8/16	1730

Additional Comments:

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

CRI