

EXXON COMPANY, U.S.A.

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MARKETING DEPARTMENT • ENVIRONMENTAL ENGINEERING

MARLA D GUENSLER
SENIOR ENGINEER

(510) 246-8776
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ENVIRONMENTAL
PROTECTION
95 JUN 20 PM 1:39

May 28, 1996

Mr. Scott Seery
Alameda County Environmental Health Department
Hazardous Materials Division
1131 Harbor Bay Parkway
Alameda, CA 94501 6577

RE: Exxon RAS #7-7003/349 Main St., Pleasanton, CA

Dear Mr. Seery:

Attached for your review and comment is a letter report entitled *Quarterly Ground Water Monitoring Report, First Quarter 1996*, for the above referenced site. This report, prepared by Delta Environmental Consultants of Rancho Cordova, California, details the results of the March 1996 monitoring and sampling events.

If you have any questions or comments, please contact me at (510) 246-8776.

Sincerely,



Marla D. Guensler
Senior Engineer

MDG/jb

attachment: Delta Report dated April 30, 1996

cc: w/attachment:

Mr. Jerry Killingstad - Alameda Co. Flood Control and Water Conservation District
Mr. Sum Arigalia - San Francisco Bay Region WQCB

w/o attachment:

Ms. Linda McGahan - Delta Environmental



3164 Gold Camp Drive
Suite 200
Rancho Cordova, CA 95670
916/638-2085
FAX: 916/638-8385

April 30, 1996

Ms. Marla D. Guensler
Exxon Company, U.S.A.
2300 Clayton Road, Suite 640
Concord, California 94520

Subject: *Quarterly Ground Water Monitoring Report, First Quarter 1996*
Exxon Service Station No. 7-7003
349 Main Street
Pleasanton, California
Delta Project No. D094-838

Dear Ms. Guensler:

Delta Environmental Consultants, Inc. (Delta), has been authorized by Exxon Company, U.S.A. (Exxon), to conduct quarterly ground water monitoring at Exxon Service Station No. 7-7003, located at 349 Main Street, Pleasanton, California. This letter report presents the results of quarterly ground water monitoring and sampling conducted on March 28, 1996. The location of the site is shown in Figure 1 and site features are illustrated in Figure 2. All work conducted at the site by Delta was performed in accordance with the field methods and procedures described in Enclosure A.

Ground Water Table Elevation, Flow Direction, and Hydraulic Gradient

Ground water table elevations were measured in monitoring wells MW-1, MW-3 through MW-5, MW-8, and vapor extraction wells VE-1 through VE-3 on March 28, 1996. Access to monitoring wells MW-2, MW-6, and MW-7 was not available on the day of sampling due to parked cars over the wells. Depth to ground water in the measured wells ranged from 14.91 (MW-8) to 16.50 (MW-4) feet below the top of the well casings. Cumulative ground water table measurements are presented in Table 1.

A water table contour map constructed from the ground water elevations recorded on March 28, 1996, is included in Figure 3. The water table contours illustrated in Figure 3 indicate that ground water flowed toward the northwest with some localized mounding near the former tank basin, with a hydraulic gradient of approximately 0.03.

Subjective Analysis

No liquid-phase petroleum hydrocarbons or hydrocarbon sheens were present in the wells during the first quarter 1996 monitoring event.

Analytical Results

Ground water samples were collected from monitoring wells MW-1, MW-3 through MW-5, MW-8, and vapor extraction wells VE-1 through VE-3 on March 28, 1996. The samples were submitted to

Ms. Marla Guensler
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Sequoia Analytical (a California-certified laboratory) for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), and total petroleum hydrocarbons (TPH) as gasoline. Cumulative analytical results are summarized in Table 2, and a copy of the laboratory analytical report for the March 28, 1996, sampling event is presented in Enclosure B.

Analytical results indicate that benzene was present in the ground water sample collected from monitoring well MW-1 at a concentration of 54 micrograms per liter ($\mu\text{g/L}$). The remaining ground water samples did not contain benzene above the laboratory detection limits. A dissolved benzene concentration map is presented in Figure 4. Ground water samples collected from wells MW-1, VE-1, and VE-2 contained TPH as gasoline in concentrations ranging from 460 $\mu\text{g/L}$ (VE-2) to 6,700 $\mu\text{g/L}$ (MW-1). MTBE constituents were below laboratory detection limits in each ground water samples analyzed, with the exception of the ground water sample obtained from VE-2 which reported a concentration of 8.2 $\mu\text{g/L}$.

Future Work

The next quarterly monitoring event for this site is scheduled for June 1996.

Remarks/Signatures

The interpretations contained in this report represent our professional opinions, and are based in part on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

Delta recommends that copies of this report be forwarded to:

Mr. Jerry Killingstad
Alameda County Flood Control
and Water Conservation District (Zone 7)
5997 Parkside Drive
Pleasanton, California 94566

Mr. Sum Arigalia
California Regional Water Quality Control
Board, San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Ms. Maria Guensler
Exxon Company, U.S.A.
April 30, 1996
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If you have any questions regarding this project, please contact Keoni Almeida at (916) 638-2085.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.



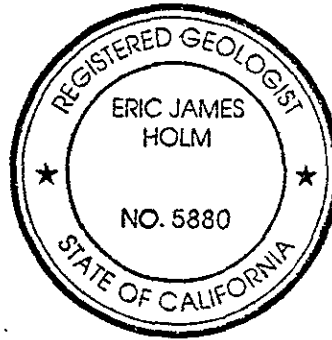
Linda J. McGahan
Project Engineer



Charles Keoni Almeida
Project Manager



Eric J. Holm, R.G.
California Registered Geologist No. 5880



LJM (LRP703.SJS)
Enclosures

TABLE 1

GROUND WATER LEVEL MEASUREMENTS

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

<u>Monitoring Well</u>	<u>Date</u>	<u>Reference^a Elevation (ft)</u>	<u>Depth to Ground Water (ft)</u>	<u>Ground Water Elevation (ft)</u>	<u>Comments</u>
MW-1	02/23/90	343.83	26.08	317.75	No LPH ^b
	06/15/90		26.49	317.34	No LPH
	08/90		26.47	317.36	No LPH
	12/18/90		28.00	315.83	No LPH
	03/19/91		23.63	320.20	No LPH
	06/27/91		22.11	321.72	No LPH
	09/26/91		27.75	316.08	No LPH
	01/10/92		25.61	318.22	No LPH
	03/12-13/92		22.52	321.31	No LPH
	06/09/92		21.53	322.30	No LPH
	09/28-29/92		29.84	313.99	No LPH
	12/12/92		23.86	319.97	No LPH
	02/02-03/93		19.00	324.83	No LPH
	06/08-09/93		16.62	327.21	No LPH
	09/22-23/93		19.63	324.20	No LPH
	11/17-18/93		20.82	323.01	No LPH
	02/16-17/94		21.47	322.36	No LPH
	05/12-13/94		19.78	324.05	No LPH
	09/07/94		21.16	322.67	No LPH
	12/02/94		Dry	---	---
	03/06/95		18.70	325.13	No LPH
	05/30/95		17.70	326.13	No LPH
	09/06/95		20.21	323.62	No LPH
	11/30/95		21.47	322.36	No LPH
	03/28/96		15.45	328.38	No LPH

TABLE 1-Continued

GROUND WATER LEVEL MEASUREMENTS

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

<u>Monitoring Well</u>	<u>Date</u>	<u>Reference^a Elevation (ft)</u>	<u>Depth to Ground Water (ft)</u>	<u>Ground Water Elevation (ft)</u>	<u>Comments</u>
MW-2	02/23/90	344.22	26.31	317.91	No LPH
	06/15/90		26.25	317.97	No LPH
	08/90		26.15	318.07	No LPH
	12/18/90		27.94	316.28	No LPH
	03/19/91		23.41	320.81	No LPH
	06/27/91		21.63	322.59	No LPH
	09/26/91		27.19	317.03	No LPH
	01/10/92		25.67	318.55	No LPH
	03/12-13/92		22.28	321.94	No LPH
	06/09/92		21.17	323.05	No LPH
	09/28-29/92		29.58	314.64	No LPH
	12/12/92		NM ^c	---	NM
	02/02-03/93		18.69	325.53	No LPH
	06/08-09/93		16.32	327.90	No LPH
	09/22-23/93		19.43	324.79	No LPH
	11/17-18/93		20.56	323.66	No LPH
	02/16-17/94		20.93	323.29	No LPH
	05/12-13/94		19.64	324.58	No LPH
	09/07/94		20.93	323.29	No LPH
	12/02/94		20.39	323.83	No LPH
	03/06/95		18.66	325.56	No LPH
	05/30/95		17.69	326.53	No LPH
	09/06/95		20.18	324.04	No LPH
	11/30/95		21.17	323.05	No LPH
	03/28/96		NM	---	---

TABLE 1-Continued

GROUND WATER LEVEL MEASUREMENTS

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

<u>Monitoring Well</u>	<u>Date</u>	<u>Reference^a Elevation (ft)</u>	<u>Depth to Ground Water (ft)</u>	<u>Ground Water Elevation (ft)</u>	<u>Comments</u>
MW-3	02/23/90	342.70	24.78	317.92	No LPH
	06/15/90		25.29	317.41	No LPH
	08/90		25.40	317.30	No LPH
	12/18/90		26.84	315.86	No LPH
	03/19/91		22.13	320.57	No LPH
	06/27/91		21.04	321.66	No LPH
	09/26/91		26.63	316.07	No LPH
	01/10/92		24.26	318.44	No LPH
	03/12-13/92		21.60	321.10	No LPH
	06/09/92		20.88	321.82	No LPH
	09/28-29/92		28.67	314.03	No LPH
	12/12/92		20.73	321.97	No LPH
	02/02-03/93		19.30	323.40	No LPH
	06/08-09/93		15.89	326.81	No LPH
	09/22/93		18.63	324.07	No LPH
	11/17-18/93		19.97	322.73	No LPH
	02/16-17/94		20.64	322.06	No LPH
	05/12-13/94		18.32	324.38	No LPH
	09/07/94		20.52	322.18	No LPH
	12/02/94		19.59	323.11	No LPH
	03/06/95		16.98	325.72	No LPH
	05/30/95		16.65	326.05	No LPH
	09/06/95		18.86	323.84	No LPH
	11/30/95		20.76	321.94	No LPH
	03/28/96		14.93	327.77	No LPH

TABLE 1-Continued

GROUND WATER LEVEL MEASUREMENTS

Exxon Service Station 7-7003
 349 Main Street
 Pleasanton, California

<u>Monitoring Well</u>	<u>Date</u>	<u>Reference^a Elevation (ft)</u>	<u>Depth to Ground Water (ft)</u>	<u>Ground Water Elevation (ft)</u>	<u>Comments</u>
MW-4	06/15/90	343.38	30.94	312.44	No LPH
	08/90		31.21	312.17	No LPH
	12/18/90		32.86	310.52	No LPH
	03/19/91		26.76	316.62	No LPH
	06/27/91		25.91	317.47	No LPH
	09/26/91		32.29	311.09	No LPH
	01/10/92		29.06	314.32	No LPH
	03/12-13/92		24.25	319.13	No LPH
	06/09/92		25.00	318.38	No LPH
	09/28-29/92		34.41	308.97	No LPH
	12/12/92		30.77	312.61	No LPH
	02/02-03/93		21.03	322.35	No LPH
	06/08-09/93		18.35	325.03	No LPH
	09/22-23/93		21.86	321.52	No LPH
	11/17-18/93		22.98	320.40	No LPH
	02/16-17/94		23.94	319.44	No LPH
	05/12-13/94		22.30	321.08	No LPH
	09/07/94		23.44	319.94	No LPH
	12/02/94		23.07	320.31	No LPH
	03/06/95		20.52	322.86	No LPH
	05/30/95		19.16	324.22	No LPH
	09/06/95		22.26	321.12	No LPH
	11/30/95		23.67	319.71	No LPH
	03/28/96		16.50	326.88	No LPH

TABLE 1-Continued

GROUND WATER LEVEL MEASUREMENTS

Exxon Service Station 7-7003
 349 Main Street
 Pleasanton, California

<u>Monitoring Well</u>	<u>Date</u>	<u>Reference^a Elevation (ft)</u>	<u>Depth to Ground Water (ft)</u>	<u>Ground Water Elevation (ft)</u>	<u>Comments</u>
MW-5	06/15/90	345.20	26.94	318.26	No LPH
	08/90		26.90	318.30	No LPH
	12/18/90		28.31	316.89	No LPH
	03/19/91		23.98	321.22	No LPH
	06/27/91		22.41	322.79	No LPH
	09/26/91		27.77	317.43	No LPH
	01/10/92		26.38	318.82	No LPH
	03/12-13/92		22.08	323.12	No LPH
	06/09/92		31.98	313.22	No LPH
	09/28-29/92		30.26	314.94	No LPH
	12/12/92		27.20	318.00	No LPH
	02/02-03/93		20.01	325.19	No LPH
	06/08-09/93		16.80	328.40	No LPH
	09/22-23/93		20.28	324.92	No LPH
	11/17-18/93		21.19	324.01	No LPH
	02/16-17/94		21.61	323.89	No LPH
	05/12-13/94		20.61	324.59	No LPH
	09/07/94		21.63	323.57	No LPH
	12/02/94		21.12	324.08	No LPH
	03/06/95		19.67	325.53	No LPH
	05/30/95		18.63	326.57	No LPH
	09/06/95		21.02	324.18	No LPH
	11/30/95		21.87	323.33	No LPH
	03/28/96		16.19	329.01	No LPH

TABLE 1-Continued

GROUND WATER LEVEL MEASUREMENTS

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

<u>Monitoring Well</u>	<u>Date</u>	<u>Reference^a Elevation (ft)</u>	<u>Depth to Ground Water (ft)</u>	<u>Ground Water Elevation (ft)</u>	<u>Comments</u>
MW-6	03/19/91	342.25	34.42	307.83	No LPH
	06/27/91		35.01	307.24	No LPH
	09/26/91		40.34	301.91	No LPH
	01/10/92		36.20	306.05	No LPH
	03/12-13/92		31.95	310.30	No LPH
	06/09/92		33.22	309.03	No LPH
	09/28-29/92		40.96	301.29	No LPH
	12/12/92		NM	---	NM
	02/02/93		26.51	315.74	No LPH
	06/08/93		22.62	319.63	No LPH
	09/22/93		26.74	315.51	No LPH
	11/17-18/93		28.49	313.76	No LPH
	02/16-17/94		29.83	312.42	No LPH
	05/12-13/94		27.89	314.36	No LPH
	09/07/94		28.81	313.44	No LPH
	12/02/94		28.55	313.70	No LPH
	03/06/95		24.70	317.55	No LPH
	05/30/95		22.03	320.22	No LPH
	09/06/95		26.54	315.71	No LPH
	11/30/95		28.90	313.35	No LPH
03/28/96	NM	---	---		
MW-7	03/19/91	343.62	24.68	318.94	No LPH
	06/27/91		23.10	320.52	No LPH
	09/26/91		NM	---	NM
	01/10/92		26.98	316.64	No LPH
	03/12-13/92		21.86	321.76	No LPH
	06/09/92		22.32	321.30	No LPH
	09/28-29/92		31.92	311.70	No LPH
	12/12/92		28.80	314.82	No LPH
	02/02-03/93		19.50	324.12	No LPH
	06/08-09/93		16.72	326.90	No LPH
	09/22-23/93		19.90	323.72	No LPH
	11/17-18/93		20.75	322.87	No LPH
	02/16-17/94		21.36	322.26	No LPH
	05/12-13/94		20.32	323.30	No LPH
	09/07/94		21.19	322.43	No LPH
	12/02/94		20.95	322.67	No LPH
	03/06/95		19.35	324.27	No LPH
	05/30/95		18.19	325.43	No LPH
	09/06/95		20.57	323.05	No LPH
	11/30/95		21.64	321.98	No LPH
03/28/96	NM	---	---		

TABLE 1-Continued

GROUND WATER LEVEL MEASUREMENTS

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

<u>Monitoring Well</u>	<u>Date</u>	<u>Reference^a Elevation (ft)</u>	<u>Depth to Ground Water (ft)</u>	<u>Ground Water Elevation (ft)</u>	<u>Comments</u>
MW-8	06/08-09/93	344.00	15.78	328.22	No LPH
	09/22-23/93		18.86	325.14	No LPH
	11/17-18/93		20.01	323.99	No LPH
	02/16-17/94		20.30	323.70	No LPH
	05/12-13/94		18.92	325.08	No LPH
	09/07/94		20.25	323.75	Sheen
	12/02/94		19.73	324.27	No LPH
	03/06/95		17.66	326.34	No LPH
	05/30/95		16.97	327.03	No LPH
	09/06/95		19.30	324.70	No LPH
	11/30/95		20.44	323.56	No LPH
	03/28/96		14.91	329.09	No LPH
	VE-1		09/28/92	343.38	31.92
06/08/93		16.44	326.94		No LPH
09/22-23/93		19.47	323.91		No LPH
11/17-18/93		20.64	322.74		No LPH
02/16-17/94		21.20	322.18		No LPH
05/12-13/94		19.69	323.69		No LPH
09/07/94		21.30	322.08		No LPH
12/02/94		20.63	322.75		No LPH
03/06/95		18.40	324.98		No LPH
05/30/95		17.58	325.80		No LPH
09/06/95		20.32	323.06		No LPH
11/30/95		21.75	321.63		No LPH
03/28/96		15.75	327.63		No LPH
VE-2	06/08/93	343.39	16.20	327.19	No LPH
	09/22-23/93		19.23	324.16	No LPH
	11/17-18/93		20.44	322.95	No LPH
	02/16-17/94		20.90	322.49	No LPH
	05/12-13/94		19.41	323.98	No LPH
	09/07/94		20.94	322.45	Sheen
	12/02/94		20.30	323.09	No LPH
	03/06/95		18.14	325.25	No LPH
	05/30/95		17.29	326.10	Sheen
	09/06/95		19.99	323.40	No LPH
	11/30/95		21.33	322.06	No LPH
	03/28/96		15.23	328.16	No LPH

TABLE 1-Continued

GROUND WATER LEVEL MEASUREMENTS

Exxon Service Station 7-7003
 349 Main Street
 Pleasanton, California

<u>Monitoring Well</u>	<u>Date</u>	<u>Reference^a Elevation (ft)</u>	<u>Depth to Ground Water (ft)</u>	<u>Ground Water Elevation (ft)</u>	<u>Comments</u>
VE-3	06/08/93	343.39	16.48	326.91	No LPH
	09/22-23/93		18.96	324.43	No LPH
	11/17-18/93		20.00	323.39	No LPH
	02/16-17/94		21.02	322.37	No LPH
	05/12-13/94		20.58	322.81	No LPH
	09/07/94		20.35	323.04	No LPH
	12/02/94		21.85	321.54	No LPH
	03/06/95		19.12	324.27	No LPH
	05/30/95		17.37	326.02	No LPH
	09/06/95		19.49	323.90	No LPH
	11/30/95		20.96	322.43	No LPH
	03/28/96		15.68	327.71	No LPH

^a Elevation of top of well casing, relative to mean sea level.

^b Liquid-phase petroleum hydrocarbons.

^c Not monitored.

TABLE 2

GROUND WATER SAMPLE ANALYTICAL RESULTS

Concentrations in micrograms per liter ($\mu\text{g/L}$)

Exxon Service Station 7-7003

349 Main Street

Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH ^a as gasoline	Lead	Total Oil and Grease	VOC ^b	MTBE ⁿ	
MW-1	02/23/90	21	9.2	59	19	3,300	100	NA ^c	NA	NA	
	06/15/90	7.9	5.9	32	58	1,300	<50	NA	NA	NA	
	08/90	77	280	50	250	2,500	<50	NA	NA	NA	
	12/18/90	9.0	2.0	43	400	390	<100	NA	NA	NA	
	03/19/91	45	12	240	300	4,500	<100	NA	12.0 ^d	NA	
	06/27/91	5.4	2.6	29	34	710	<100	NA	ND ^e	NA	
	09/26/91	1.9	<0.5	0.6	0.6	290	<100	NA	ND	NA	
	01/10/92	52	15	690	496	5,400	<100	NA	6.1 ^d	NA	
	03/12-13/92	87	22	1,200	1,000	1,400	NA	NA	2.1 ^f	NA	
									14 ^d		
									1.2 ^g		
									0.5 ^h		
									0.8 ⁱ		
		06/09/92	27	5.9	400	300	4,500	<100	<5,000	ND	NA
		09/28-29/92	<0.5	0.9	<0.5	<0.5	60	NA	<5,000	ND	NA
		12/12/92	53	18	1,100	570	1,400	NA	<5,000	49 ^d	NA
		02/02-03/93	61	27	900	840	10,000	NA	<5,000	2.2 ^f	NA
										19 ^d	
										1.1 ^h	
										2.4 ⁱ	
		06/08-09/93	42	32	970	720	7,500	NA	<5,000	1.8 ^d	NA
										1.0 ^g	
										0.8 ⁱ	
		09/22-23/93	36	34	820	540	6,600	NA	<5,000	0.6 ⁱ	NA
		11/17-18/93	24	10	470	300	5,900	NA	NA	ND	NA
		02/16-17/94	42	15	470	330	6,700	NA	NA	ND ^j	NA
		05/12-13/94	26	9.4	400	210	4,000	NA	<5,000	ND ^j	NA
		09/07/94	3.5	2.0	17	18	170	NA	NA	ND	NA
		12/02/94	NS ^k	NS	NS	NS	NS	NS	NS	NS	NA
		03/06/95	9.8	5.2	130	80	1,500	NA	NA	ND	NA
		05/30/95	41	14	480	270	6,200	NA	NA	ND	<50
		09/06/95	8.1	5.7	120	65	1,500	NA	NA	NA	<12
	11/30/95	1.9	0.70	5.3	5.5	77	NA	NA	NA	<5.0	
	03/28/96	54	5.8	420	210	6,700	NA	NA	NA	<50	

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS

Concentrations in micrograms per liter ($\mu\text{g/L}$)

Exxon Service Station 7-7003

349 Main Street

Pleasanton, California

<u>Monitoring Well</u>	<u>Date</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-benzene</u>	<u>Xylenes</u>	<u>TPH^a as gasoline</u>	<u>Lead</u>	<u>Total Oil and Grease</u>	<u>VOC^b</u>	<u>MTBEⁿ</u>
MW-2	02/23/90	3.0	2.0	0.98	6.5	650	8.0	NA	NA	NA
	06/15/90	<0.5	2.6	<0.5	<0.5	670	<50	NA	NA	NA
	08/90	24	130	37	170	1,300	<50	NA	NA	NA
	12/18/90	<0.3	0.5	1.0	3.0	470	<100	NA	NA	NA
	03/19/91	10	3.4	6.1	3.8	700	<100	NA	ND	NA
	06/27/91	8.7	2.1	8.8	33	1,400	<100	NA	ND	NA
	09/26/91	<0.5	0.6	0.6	3.9	300	<100	NA	ND	NA
	01/10/92	9.3	1.0	2.4	3.2	800	<100	NA	ND	NA
	03/12-13/92	<0.5	0.6	0.63	1.0	350	NA	NA	ND	NA
	06/09/92	1.9	2.5	2.51	5.1	150	<100	NA	ND	NA
	09/28-29/92	<0.5	<0.5	<0.5	<0.5	71	NA	NA	ND	NA
	12/12/92	NS	NS	NS	NS	NS	NS	NS	NS	NA
	02/02-03/93	3.9	8.2	21	20	720	NA	NA	NA	NA
	06/08-09/93	0.5	3.3	5.7	2.0	160	NA	NA	NA	NA
	09/22-23/93	0.7	5.6	4.0	2.6	240	NA	NA	NA	NA
	11/17-18/93	1.2	2.3	3.2	1.3	490	NA	NA	NA	NA
	02/16-17/94	<0.5	2.3	1.0	2.0	280	NA	NA	NA	NA
	05/12-13/94	<0.5	0.7	0.6	3.8	100	NA	NA	NA	NA
	09/07/94	<0.5	<0.5	3.8	2.9	410	NA	NA	NA	NA
	12/02/94	<0.5	<0.5	<0.5	<0.5	55	NA	NA	NA	NA
	03/06/95	<0.5	<0.5	<0.5	<0.5	190	NA	NA	NA	NA
	05/30/95	0.55	<0.5	<0.5	<0.5	58	NA	NA	NA	<2.5
	09/06/95	<0.5	<0.5	<0.5	<0.5	81	NA	NA	NA	<2.5
	11/30/95	3.4	<0.5	<0.5	0.85	200	NA	NA	NA	<5.0
	03/28/96	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
 Concentrations in micrograms per liter (µg/L)

Exxon Service Station 7-7003
 349 Main Street
 Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH ^a as gasoline	Lead	Total Oil and Grease	VOC ^b	MTBE ^a
MW-3	02/23/90	<0.5	<0.5	<0.5	<0.5	<20	100	NA	NA	NA
	06/15/90	<0.5	<0.5	<0.5	<0.5	200	<50	NA	NA	NA
	08/90	54	380	23	400	3,200	<50	NA	NA	NA
	12/18/90	8.0	12	6.0	24	200	<100	<5,000	4.1 ¹	NA
	03/19/91	<0.5	<0.5	<0.5	<0.5	<50	<100	<5,000	ND	NA
	06/27/91	<0.5	<0.5	<0.5	<0.5	<50	<100	<5,000	ND	NA
	09/26/91	<0.5	<0.5	<0.5	<0.5	<50	<100	<5,000	ND	NA
	01/10/92	<0.5	<0.5	<0.5	<0.5	<50	<100	5,100	ND	NA
	03/12-13/92	<0.5	<0.5	<0.5	<0.5	<50	NA	5,000	ND	NA
	06/09/92	<0.5	<0.5	<0.5	<0.5	<50	<100	<5,000	ND	NA
	09/28-29/92	<0.5	<0.5	<0.5	<0.5	<50	NA	<5,000	ND	NA
	12/12/92	<0.5	<0.5	<0.5	1.3	<50	NA	<5,000	NA	NA
	02/02-03/93	<0.5	<0.5	<0.5	<0.5	<50	NA	<5,000	NA	NA
	06/08-09/93	0.6	0.9	3.4	2.8	<50	NA	<5,000	NA	NA
	09/22/93	<0.5	1.0	1.6	4.4	<50	NA	NA	NA	NA
	11/17-18/93	<0.5	<0.5	<0.5	1.5	<50	NA	NA	NA	NA
	02/16-17/94	1.5	5.3	1.6	9.2	<50	NA	NA	NA	NA
	05/12-13/94	<0.5	0.8	<0.5	2.8	<50	NA	NA	NA	NA
	09/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	12/02/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	03/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	05/30/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<2.5
	09/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<2.5
11/30/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<5.0	
03/28/96	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<5.0	

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS

Concentrations in micrograms per liter ($\mu\text{g/L}$)

Exxon Service Station 7-7003

349 Main Street

Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH ^a as gasoline	Lead	Total Oil and Grease	VOC ^b	MTBE ⁿ
MW-4	06/15/90	<0.5	<0.5	<0.5	<0.5	<20	<50	NA	NA	NA
	08/90	5.2	5.4	5.4	9.9	120	<50	NA	NA	NA
	12/18/90	7.0	1.0	<0.3	2.0	50	<100	NA	NA	NA
	03/19/91	1.8	0.8	2.2	11	160	<100	NA	ND	NA
	06/27/91	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND	NA
	09/26/91	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	1.0 ^g	NA
	01/10/92	0.9	<0.5	7.6	4.4	98	<100	NA	1.0 ^g	NA
	03/12-13/92	1.2	<0.5	5.3	4.3	82	NA	NA	ND	NA
	06/09/92	0.6	1.0	<0.5	2.5	<50	<100	NA	0.7 ^g	NA
	09/28-29/92	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND	NA
	12/12/92	1.0	0.9	7.0	11	99	NA	NA	ND	NA
	02/02-03/93	2.3	2.2	6.2	8.4	170	NA	NA	ND	NA
	06/08-09/93	0.7	0.9	0.7	<0.5	<50	NA	NA	0.6 ^g	NA
	09/22-23/93	0.8	2.0	3.1	5.3	59	NA	NA	ND	NA
	11/17-18/93	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND	NA
	02/16-17/94	8.7	17	4.2	24	98	NA	NA	0.5 ^g	NA
	05/12-13/94	0.8	0.9	0.7	6.1	<50	NA	NA	ND	NA
	09/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND	NA
	12/02/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND	NA
	03/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND	NA
	05/30/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND	<2.5
	09/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<2.5
	11/30/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<5.0
	03/28/96	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<5.0

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
 Concentrations in micrograms per liter (µg/L)

Exxon Service Station 7-7003
 349 Main Street
 Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH ^a as gasoline	Lead	Total Oil and Grease	VOC ^b	MTBE ^a
MW-5	06/15/90	<0.5	<0.5	<0.5	<0.5	<20	60	NA	NA	NA
	08/90	9.7	12	7.6	17	120	<50	NA	NA	NA
	12/18/90	2.0	3.5	2.0	8.0	50	<100	NA	NA	NA
	03/19/91	<0.5	<0.5	<0.5	<0.5	160	<100	NA	0.5 ^d	NA
	06/27/91	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND	NA
	09/26/91	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND	NA
	01/10/92	<0.5	<0.5	<0.5	0.6	98	<100	NA	ND	NA
	03/12-13/92	<0.5	<0.5	<0.5	<0.5	82	NA	NA	ND	NA
	06/09/92	NS	NS	NS	NS	NS	NS	NS	NS	NA
	09/28-29/92	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND	NA
	12/12/92	0.9	11	0.5	3.1	210	NA	NA	NA	NA
	02/02-03/93	<0.5	2.7	<0.5	0.9	70	NA	NA	NA	NA
	06/08-09/93	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	09/22-23/93	1.0	<0.5	1.1	2.1	<50	NA	NA	NA	NA
	11/17-18/93	<0.5	<0.5	<0.5	0.9	<50	NA	NA	NA	NA
	02/16-17/94	1.2	4.3	1.4	8.2	<50	NA	NA	NA	NA
	05/12-13/94	1.7	2.3	1.5	9.1	<50	NA	NA	NA	NA
	09/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	12/02/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	03/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	05/30/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<2.5
	09/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<2.5
	11/30/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<5.0
	03/28/96	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<5.0

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
 Concentrations in micrograms per liter ($\mu\text{g/L}$)

Exxon Service Station 7-7003
 349 Main Street
 Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH ^a as gasoline	Lead	Total Oil and Grease	VOC ^b	MTBE ⁿ
MW-6	03/19/91	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND	NA
	06/27/91	2.6	1.8	0.8	<0.30	<50	<100	NA	ND	NA
	09/26/91	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND	NA
	01/10/92	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND	NA
	03/12-13/92	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND	NA
	06/09/92	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND	NA
	09/28-29/92	<0.5	<0.5	0.9	0.9	<50	NA	NA	ND	NA
	12/12/92	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	02/02/93	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	06/08/93	0.6	0.7	1.7	1.8	<50	NA	NA	NA	NA
	09/22/93	<0.5	<0.5	0.7	1.1	<50	NA	NA	NA	NA
	11/17-18/93	0.6	0.8	1.2	3.9	<50	NA	NA	NA	NA
	02/16-17/94	3.8	7.9	2.0	11	51	NA	NA	NA	NA
	05/12-13/94	0.6	1.0	<0.5	2.7	<50	NA	NA	NA	NA
	09/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	12/02/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	03/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	05/30/95	<0.5	0.52	<0.5	<0.5	<50	NA	NA	NA	<2.5
	09/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<2.5
	11/30/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<5.0
	03/28/96	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
 Concentrations in micrograms per liter (µg/L)

Exxon Service Station 7-7003
 349 Main Street
 Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH ^a as gasoline	Lead	Total Oil and Grease	VOC ^b	MTBE ⁿ
MW-7	03/19/91	<0.5	<0.5	<0.5	<0.5	140	<100	NA	0.7 ^d 0.8 ^l	NA
	06/27/91	5.2	5.6	3.9	16	100	<100	NA	ND	NA
	09/26/91									
	01/10/92	<0.5	<0.5	<0.5	<0.5	<50	<100	NA	ND	NA
	03/12-13/92	<0.5	<0.5	<0.5	<0.5	120		NA	ND	NA
	06/09/92	<0.5	<0.5	<0.5	<0.5	81	<100	NA	ND	NA
	09/28-29/92	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	ND	NA
	12/12/92	5.1	6.9	3.3	19	200	NA	NA	NA	NA
	02/02-03/93	<0.5	6.6	0.6	1.7	170	NA	NA	NA	NA
	06/08-09/93	<0.5	0.8	<0.5	<0.5	<50	NA	NA	NA	NA
	09/22-23/93	0.6	0.9	0.7	1.1	<50	NA	NA	NA	NA
	11/17-18/93	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	02/16-17/94	0.9	2.7	<0.5	3.2	<50	NA	NA	NA	NA
	05/12-13/94	<0.5	1.1	<0.5	1.6	<50	NA	NA	NA	NA
	09/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	12/02/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	03/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	05/30/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<2.5
	09/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<2.5
	11/30/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<5.0
	03/28/96	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS

Concentrations in micrograms per liter ($\mu\text{g/L}$)

Exxon Service Station 7-7003

349 Main Street

Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH ^a as gasoline	Lead	Total Oil and Grease	VOC ^b	MTBE ⁿ
MW-8	06/08-09/93	<0.5	1.1	0.8	1.7	65	NA	NA	NA	NA
	09/22-23/93	4.1	8.9	6.7	14	110	NA	NA	NA	NA
	11/17-18/93	<0.5	0.9	<0.5	<0.5	78	NA	NA	NA	NA
	02/16-17/94	<0.5	1.8	<0.5	<0.5	<50	NA	NA	NA	NA
	05/12-13/94	<0.5	1.0	<0.5	<0.5	<50	NA	NA	NA	NA
	09/07/94	<0.5	<0.5	<0.5	<0.5	67	NA	NA	NA	NA
	12/02/94	<0.5	<0.5	<0.5	<0.5	110	NA	NA	NA	NA
	03/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	05/30/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<2.5
	09/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<2.5
	11/30/95	<0.5	0.62	<0.5	6.8	<50	NA	NA	NA	<5.0
	03/28/96	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<5.0
VE-1	09/28/92	NS	NS	NS	NS	NS	NS	NS	NS	NA
	06/08/93	<5.0	15	830	500	5,800	NA	NA	NA	NA
	09/22-23/93	5.4	21	380	240	3,700	NA	NA	NA	NA
	11/17-18/93	5.8	2.0	220	180	3,600	NA	NA	NA	NA
	02/16-17/94	31	4.0	500	300	7,600	NA	NA	NA	NA
	05/12-13/94	0.7	<0.5	56	33	970	NA	NA	NA	NA
	09/07/94	7.3	46	620	150	8,100	NA	NA	NA	NA
	12/02/94	3.4	37	450	210	8,300	NA	NA	NA	NA
	03/06/95	<0.5	<0.5	<0.5	<0.5	52	NA	NA	NA	NA
	05/30/95	15	<5	270	89	3,400	NA	NA	NA	<2.5
	09/06/95	<0.5	<0.5	1.6	<0.5	100	NA	NA	NA	<2.5
	11/30/95	48	10	240	35	5,200	NA	NA	NA	<50
	03/28/96	<5.0	<5.0	250	81	3,800	NA	NA	NA	<50

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS

Concentrations in micrograms per liter ($\mu\text{g/L}$)

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH ^a as gasoline	Lead	Total Oil and Grease	VOC ^b	MTBE ^a
VE-2	06/08/93	10	18	900	340	7,000	NA	NA	NA	NA
	09/22-23/93	15	33	240	82	2,600	NA	NA	NA	NA
	11/17-18/93	22	<0.5	220	56	3,500	NA	NA	NA	NA
	02/16-17/94	45	<5.0	220	60	3,400	NA	NA	NA	NA
	05/12-13/94	19	29	66	110	1,900	NA	NA	NA	NA
	09/07/94	5.5	<0.5	9.0	3.0	690	NA	NA	NA	NA
	12/02/94	3.7	21 ^m	50	8.8	1,900	NA	NA	NA	NA
	03/06/95	<0.5	<0.5	9.4	1.3	460	NA	NA	NA	NA
	05/30/95	<1.0	<1.0	20	2.3	580	NA	NA	NA	<5.0
	09/06/95	<1.0	<1.0	<1.0	<1.0	290	NA	NA	NA	12
	11/30/95	13	0.64	2.7	4.1	990	NA	NA	NA	<5.0
	03/28/96	<0.5	<0.5	11	1.1	460	NA	NA	NA	8.2

TABLE 2-Continued

GROUND WATER SAMPLE ANALYTICAL RESULTS
Concentrations in micrograms per liter ($\mu\text{g/L}$)

Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH ^a as gasoline	Lead	Total Oil and Grease	VOC ^b	MTBE ⁿ
VE-3	06/08/93	3.1	3.1	18	15	130	NA	NA	NA	NA
	09/22-23/93	11	7.3	13	32	130	NA	NA	NA	NA
	11/17-18/93	NS	NS	NS	NS	NS	NS	NS	NS	NA
	02/16-17/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	05/12-13/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	09/07/94	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	12/02/94	NS	NS	NS	NS	NS	NS	NS	NS	NA
	03/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	05/30/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<2.5
	09/06/95	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<2.5
	11/30/95	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/28/96	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	<5.0

^a Total petroleum hydrocarbons.

^b Volatile organic compounds.

^c Not analyzed.

^d Chloroform.

^e Not detected.

^f Methylene Chloride.

^g 1,2-Dichloroethane.

^h Trichloroethane.

ⁱ Tetrachloroethane.

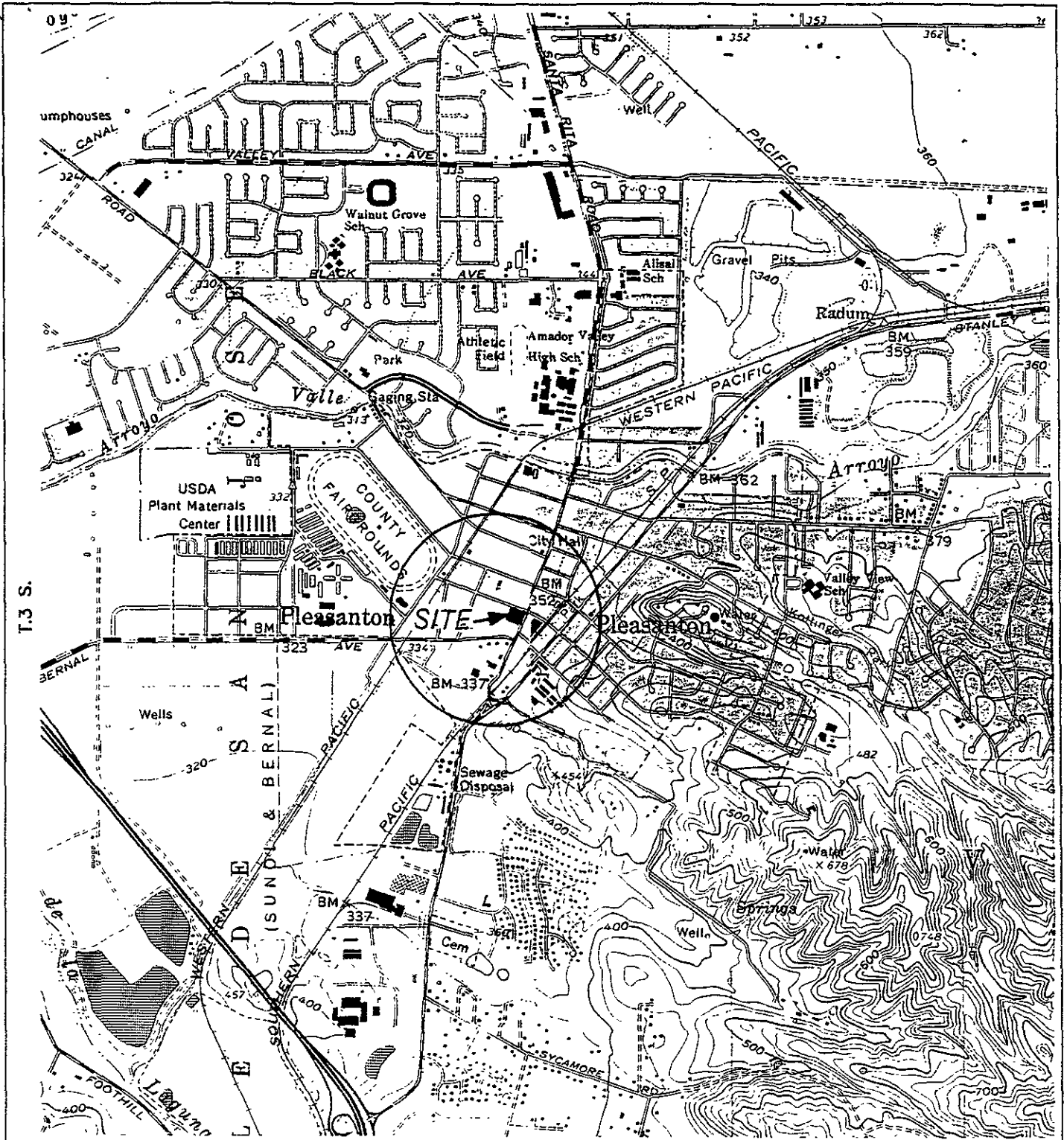
^j Sample was diluted due to the presence of high levels of hydrocarbons.

^k Not sampled.

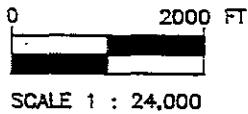
^l Bromodichloromethane.

^m The present of this compound confirmed by second column; however, the confirmation concentration differed from the reported result by more than a factor of two.

ⁿ Methyl tertiary butyl ether.



GENERAL NOTES:
 BASE MAP FROM U.S.G.S.
 DUBLIN & LIVERMORE, CA.
 7.5 MINUTE TOPOGRAPHIC
 PHOTOREVISED 1980



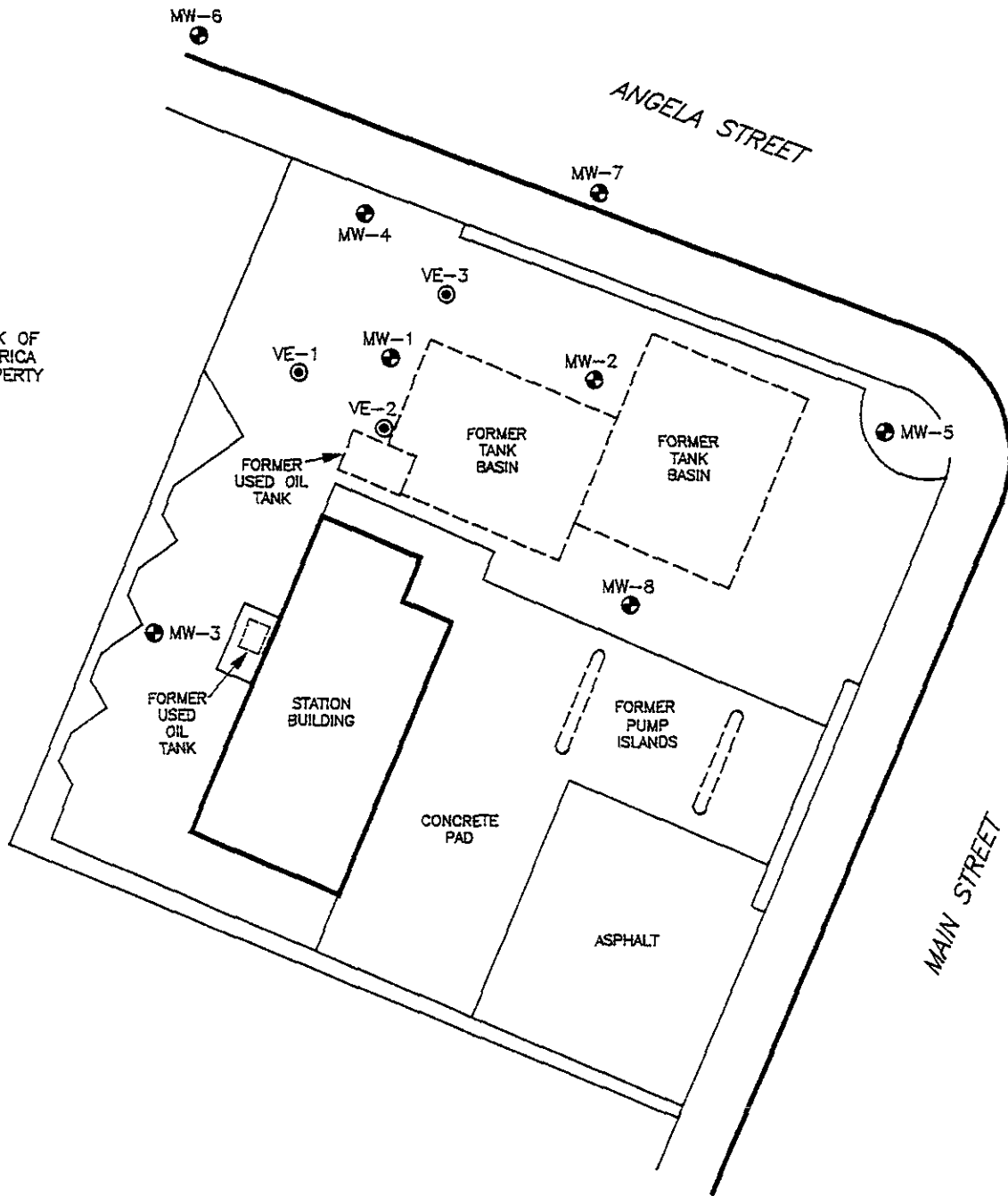
R.1 E.

FIGURE 1
 SITE LOCATION MAP
 EXXON STATION NO. 7-7003
 349 MAIN STREET
 PLEASANTON, CA.

PROJECT NO. D094-838	DRAWN BY I.H. 8/24/94
FILE NO.	PREPARED BY REC
REVISION NO. 1	REVIEWED BY JCB 10/14/94



BANK OF AMERICA PROPERTY



LEGEND:

- ⊙ VE-1 VAPOR EXTRACTION WELL LOCATION
- ⊕ MW-1 MONITORING WELL LOCATION

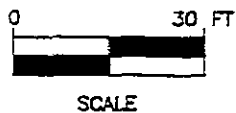
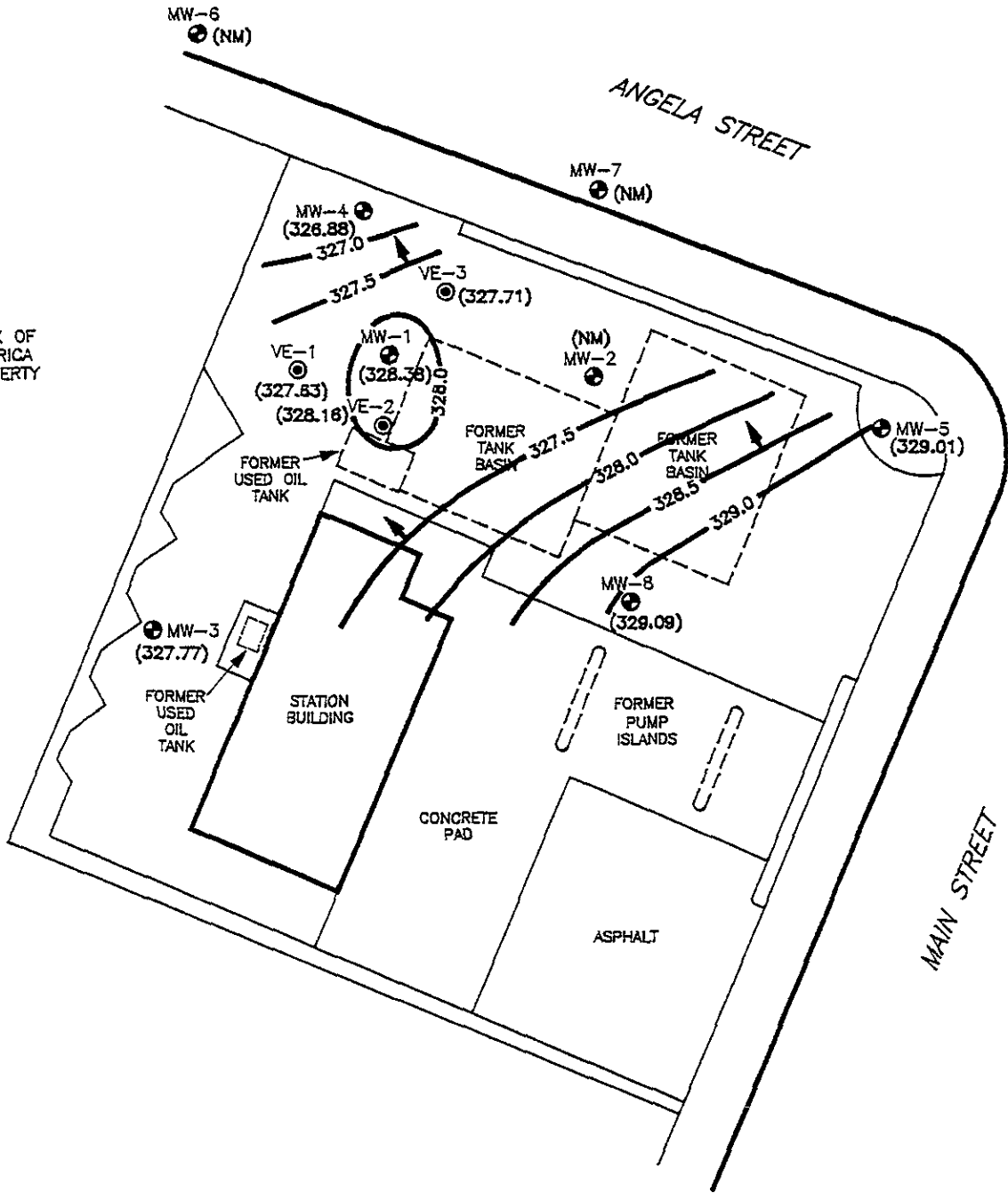


FIGURE 2
SITE MAP
EXXON STATION NO. 7-7003
349 MAIN STREET
PLEASANTON, CA.

PROJECT NO. D094-838	DRAWN BY LH 11/20/95
FILE NO. 94-838-1	PREPARED BY LJM
REVISION NO. 2	REVIEWED BY <i>[Signature]</i>





LEGEND:

- ⊙ VE-1 VAPOR EXTRACTION WELL LOCATION
- ⊕ MW-1 MONITORING WELL LOCATION
- (328.38) GROUND WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- 328.0 — INFERRED WATER TABLE CONTOUR IN FEET ABOVE MEAN SEA LEVEL
- ← GROUND WATER FLOW DIRECTION
- (NM) NOT MEASURED; CAR ON WELL

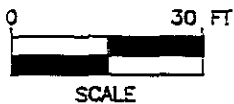
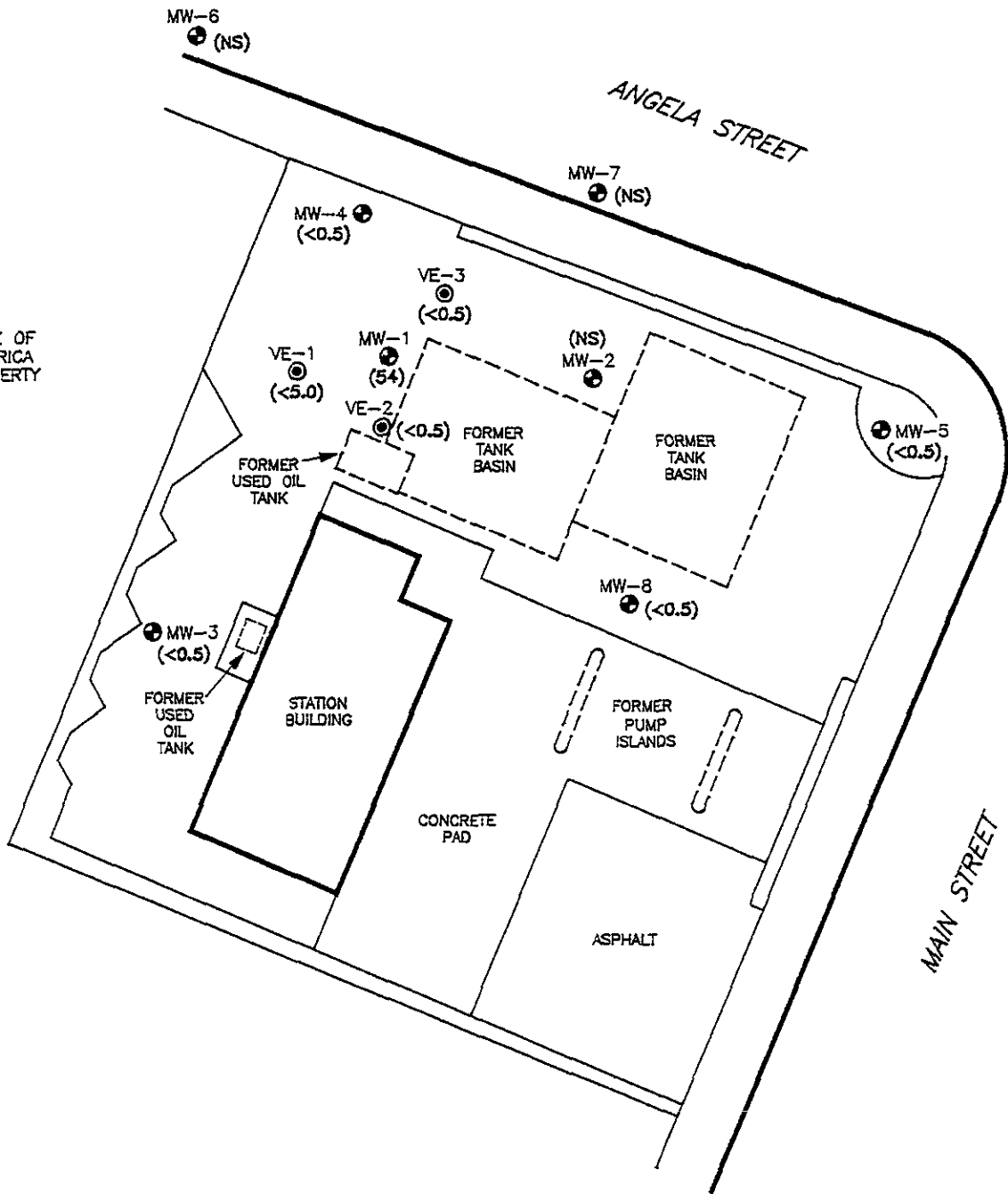


FIGURE 3
WATER TABLE CONTOUR MAP - 3/28/96
EXXON STATION NO. 7-7003
349 MAIN STREET
PLEASANTON, CA.

PROJECT NO. 0084-838	DRAWN BY L.H. 4/8/96
FILE NO. 94-838-1	PREPARED BY LJM
REVISION NO. 1	REVIEWED BY <i>[Signature]</i>

Delta
Environmental
Consultants, Inc.



LEGEND:

- ⊙ VE-1 VAPOR EXTRACTION WELL LOCATION
- ⊕ MW-1 MONITORING WELL LOCATION
- (<0.5) CONCENTRATION OF DISSOLVED BENZENE IN GROUND WATER IN MICROGRAMS PER LITER
- (NS) NOT SAMPLED - CAR ON WELL



FIGURE 4
DISSOLVED BENZENE DISTRIBUTION MAP
 3/28/96
 EXXON STATION NO. 7-7003
 349 MAIN STREET
 PLEASANTON, CA.

PROJECT NO. 0094-838	DRAWN BY L.H. 4/23/96
FILE NO. 94-838-1	PREPARED BY LJM
REVISION NO. 1	REVIEWED BY <i>[Signature]</i>

Delta
Environmental
Consultants, Inc.

ENCLOSURE A

Field Methods and Procedures

FIELD METHODS AND PROCEDURES

1.0 GROUND WATER AND LIQUID-PHASE PETROLEUM HYDROCARBON ASSESSMENT

A water/petroleum interface probe was used to assess the thickness of liquid-phase petroleum hydrocarbons (LPH), if present, and a water level indicator was used to assess ground water depth in monitoring wells that do not contain LPH. Depth to ground water was measured from the top of each monitoring well casing. The tip of the water level indicator was subjectively analyzed for LPH sheen. All measurements and physical observations were then recorded in the field.

2.0 SUBJECTIVE ANALYSIS OF GROUND WATER

Prior to purging, a water sample was collected from the monitoring well for subjective assessment. The sample was retrieved by gently lowering a clean, disposal bailer to approximately one-half the bailer length past the air/liquid interface. The bailer was then retrieved and the sample contained within the bailer was examined for floating LPH and the appearance of a petroleum sheen.

3.0 MONITORING WELL PURGING AND SAMPLING

Monitoring wells were purged using a submersible pump or bailer until pH, temperature, and conductivity of the purge water had stabilized and a minimum of three to four well volumes of water had been removed. Ground water removed from the wells was stored in 55-gallon barrels at the site. The barrels were labeled with corresponding monitoring well numbers and the date of purging. After purging, ground water levels were allowed to stabilize. A ground water sample was then removed from each of the wells using a disposal bailer. If the well was purged dry, it was allowed to sufficiently recharge and a sample was collected. Samples were collected in air-tight vials, appropriately labeled, and stored on ice from the time of collection through the time of delivery to the laboratory. A chain-of-custody form was completed to document possession of the samples. Ground water samples were transported to the laboratory and analyzed within the EPA-specified holding times for the requested analyses. Purge water will be collected from the storage barrels in a vacuum truck and transported to an appropriate facility for treatment and/or disposal.

ENCLOSURE B

Laboratory Analytical Report



Sequoia Analytical

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404 N. Wiget Lane
819 Striker Avenue, Suite 8

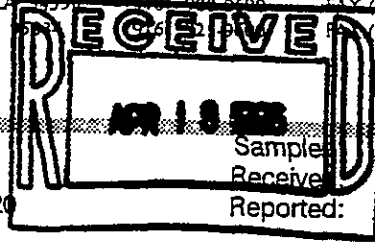
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Walnut Creek, CA
Sacramento, CA

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FAX (510) 988-9673

FAX (916) 921-0100



Delta Environmental Consultants
3164 Gold Camp Dr., Suite 200
Rancho Cordova, CA 95670
Attention: Linda McGahan

Client Project ID: Exxon 7-7003
Sample Matrix: Water
Analysis Method: EPA 5030/8015/8020
First Sample #: 603-1657

Sample Received: Mar 28, 1996
Reported: Mar 29, 1996
Apr 11, 1996

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 603-1657 VE-1	Sample I.D. 603-1658 VE-2	Sample I.D. 603-1659 VE-3	Sample I.D. 603-1660 MW-5	Sample I.D. 603-1661 MW-1	Sample I.D. 603-1662 MW-8
Purgeable Hydrocarbons	50	3,800	460	N.D.	N.D.	6,700	N.D.
Benzene	0.50	N.D.	N.D.	N.D.	N.D.	54	N.D.
Toluene	0.50	N.D.	N.D.	N.D.	N.D.	5.8	N.D.
Ethyl Benzene	0.50	250	11	N.D.	N.D.	420	N.D.
Total Xylenes	0.50	81	1.1	N.D.	N.D.	210	N.D.
Chromatogram Pattern:		Gasoline C6-C12	Weathered Gasoline C6-C12	--	--	Gasoline C6-C12	--

Quality Control Data

Report Limit Multiplication Factor:	10	1.0	1.0	1.0	10	1.0
Date Analyzed:	04/11/96	04/10/96	04/10/96	04/10/96	04/11/96	04/10/96
Instrument Identification:	GCHP-1	GCHP-1	GCHP-1	GCHP-1	GCHP-1	GCHP-1
Surrogate Recovery, %: (QC Limits = 70-130%)	89	97	81	84	99	81

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

SEQUOIA ANALYTICAL, ELAP #1624

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory





Delta Environmental Consultants 3164 Gold Camp Dr., Suite 200 Rancho Cordova, CA 95670 Attention: Linda McGahan	Client Project ID: Exxon 7-7003 Sample Matrix: Water Analysis Method: EPA 5030/8015/8020 First Sample #: 603-1663	Sampled: Mar 28, 1996 Received: Mar 29, 1996 Reported: Apr 11, 1996
--	--	---

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 603-1663 MW-4	Sample I.D. 603-1664 MW-3
Purgeable Hydrocarbons	50	N.D.	N.D.
Benzene	0.50	N.D.	N.D.
Toluene	0.50	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	N.D.
Total Xylenes	0.50	N.D.	N.D.
Chromatogram Pattern:		--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0
Date Analyzed:	04/10/96	04/10/96
Instrument Identification:	GCHP-1	GCHP-1
Surrogate Recovery, %: (QC Limits = 70-130%)	75	86

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

SEQUOIA ANALYTICAL, ELAP #1624

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory





Delta Environmental Consultants 3164 Gold Camp Dr., Suite 200 Rancho Cordova, CA 95670 Attention: Linda McGahan	Client Project ID: Exxon 7-7003 Sample Matrix: Water Analysis Method: EPA 5030/8020 Modified First Sample #: 603-1657	Sampled: Mar 28, 1996 Received: Mar 29, 1996 Reported: Apr 11, 1996
--	--	---

Methyl Tertiary Butyl Ether (MTBE)

Analyte	Reporting Limit µg/L	Sample I.D. 603-1657 VE-1	Sample I.D. 603-1658 VE-2	Sample I.D. 603-1659 VE-3	Sample I.D. 603-1660 MW-5	Sample I.D. 603-1661 MW-1	Sample I.D. 603-1662 MW-8
MTBE	5.0	N.D.	8.2	N.D.	N.D.	N.D.	N.D.

Quality Control Data

Report Limit Multiplication Factor:	10	1.0	1.0	1.0	10	1.0
Date Analyzed:	04/11/96	04/10/96	04/10/96	04/10/96	04/11/96	04/10/96
Instrument Identification:	GCHP-1	GCHP-1	GCHP-1	GCHP-1	GCHP-1	GCHP-1
Surrogate Recovery: (QC Limits = 70-130%)	89	97	81	84	99	81

Analytes reported as N.D. were not detected at or above the reporting limit.

SEQUOIA ANALYTICAL, ELAP #1624

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory



Delta Environmental Consultants 3164 Gold Camp Dr., Suite 200 Rancho Cordova, CA 95670 Attention: Linda McGahan	Client Project ID: Exxon 7-7003 Sample Matrix: Water Analysis Method: EPA 5030/8020 Modified First Sample #: 603-1663	Sampled: Mar 28, 1996 Received: Mar 29, 1996 Reported: Apr 11, 1996
--	--	---

Methyl Tertiary Butyl Ether (MTBE)

Analyte	Reporting Limit µg/L	Sample I.D. 603-1663 MW-4	Sample I.D. 603-1664 MW-3
MTBE	5.0	N.D.	N.D.

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0
Date Analyzed:	04/10/96	04/10/96
Instrument Identification:	GCHP-1	GCHP-1
Surrogate Recovery: (QC Limits = 70-130%)	75	86

Analytes reported as N.D. were not detected at or above the reporting limit.

SEQUOIA ANALYTICAL, ELAP #1624

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory





Sequoia Analytical

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Sacramento, CA 95834

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(510) 988-9600
(916) 921-9600

FAX (415) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

Delta Environmental Consultants
3164 Gold Camp Dr., Suite 200
Rancho Cordova, CA 95670
Attention: Linda McGahan

Client Project ID: Exxon 7-7003
Matrix: Water

QC Sample Group 6031657-1664

Reported: Apr 11, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Ethyl-			
	Benzene	Toluene	Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Lee	C. Lee	C. Lee	C. Lee
Concentration Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
LCS Batch#:	LCS041096	LCS041096	LCS041096	LCS041096
Date Prepared:	04/10/96	04/10/96	04/10/96	04/10/96
Date Analyzed:	04/10/96	04/10/96	04/10/96	04/10/96
Instrument I.D.#:	GCHP-1	GCHP-1	GCHP-1	GCHP-1
LCS % Recovery:	89	93	96	97
Control Limits:	75-125	75-125	75-125	75-125

MS/MSD				
Batch #:	6031651	6031651	6031651	6031651
Date Prepared:	04/10/96	04/10/96	04/10/96	04/10/96
Date Analyzed:	04/10/96	04/10/96	04/10/96	04/10/96
Instrument I.D.#:	GCHP-1	GCHP-1	GCHP-1	GCHP-1
Matrix Spike % Recovery:	78	82	82	85
Matrix Spike Duplicate % Recovery:	75	79	80	82
Relative % Difference:	3.9	3.7	2.5	3.6

SEQUOIA ANALYTICAL

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory

Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery data is used for validation of sample batch results. Due to matrix effects, the QC limits for MS/MSD's are advisory only and are not used to accept or reject batch results.





Sequoia Analytical

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FAX (510) 988-9673
FAX (916) 921-0100

Delta Environmental Consultants
3164 Gold Camp Dr., Suite 200
Rancho Cordova, CA 95670
Attention: Linda McGahan

Client Project ID: Exxon 7-7003
Matrix: Water

QC Sample Group 6031657-1664

Reported: Apr 11, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene		Ethyl- Benzene Xylenes	
	Benzene	Toluene	Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	M.C.	M.C.	M.C.	M.C.
Concentration Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
LCS Batch#:	LCS041196	LCS041196	LCS041196	LCS041196
Date Prepared:	04/11/96	04/11/96	04/11/96	04/11/96
Date Analyzed:	04/11/96	04/11/96	04/11/96	04/11/96
Instrument I.D.#:	GCHP-1	GCHP-1	GCHP-1	GCHP-1
LCS % Recovery:	88	93	96	96
Control Limits:	75-125	75-125	75-125	75-125

MS/MSD				
Batch #:	6040336	6040336	6040336	6040336
Date Prepared:	04/11/96	04/11/96	04/11/96	04/11/96
Date Analyzed:	04/11/96	04/11/96	04/11/96	04/11/96
Instrument I.D.#:	GCHP-1	GCHP-1	GCHP-1	GCHP-1
Matrix Spike % Recovery:	81	88	87	87
Matrix Spike Duplicate % Recovery:	79	92	91	93
Relative % Difference:	2.5	4.4	4.5	6.7

SEQUOIA ANALYTICAL

Linda C. Schneider
Linda C. Schneider
Project Manager/Sacramento Laboratory

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery data is used for validation of sample batch results. Due to matrix effects, the QC limits for MS/MSD's are advisory only and are not used to accept or reject batch results.





Sequoia Analytical
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EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

Consultant's Name: <u>Delta Environmental Consultants</u>		Page <u>1</u> of <u>1</u>
Address: <u>3164 Cold Camp Ranches</u>		Site Location: <u>Neasenton</u>
Project #:	Consultant Project #: <u>D-99-838</u>	Consultant Work Release #: <u>19432529</u>
Project Contact: <u>Linda McGowan</u>	Phone #: <u>6382085</u>	Laboratory Work Release #:
EXXON Contact: <u>Matta Guensler</u>	Phone #:	EXXON RAS #: <u>7-7003</u>
Sampled by (print): <u>Jay Stoeps</u>	Sampler's Signature: <u>Jay Stoeps</u>	
Shipment Method: <u>Sequoia</u>	Air Bill #:	

TAT: 24 hr 48 hr 72 hr 96 hr Standard (10 day)

ANALYSIS REQUIRED

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/8015/8020	TPH/Diesel EPA 8015	TRPH S.M. 5520	mtbe	Temperature: _____ Inbound Seal: Yes No Outbound Seal: Yes No
VE-1	3/28/96	1455	H ₂ O	Hcl	3	3603-11657	X			X	
VE-2		1515				11658					
VE-3		1532				11659					
MW-5		1600				11660					
MW-1		1620				11661					
MW-8		1630				11662					
MW-4		1645				11663					
MW-3		1700				11664					

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>Jay Stoeps / Delta</u>	3/29/96	1500	<u>John Yowell / Sequoia</u>	3/29/96	1500	
<u>John Yowell / Sequoia</u>	3/29/96	1535	<u>Sandi Hmsen / Sequoia</u>	3/29/96	1535	

Pink - Client
Yellow - Sequoia
White - Sequoia