EXXON COMPANY, U.S.A.
P.O. BOX 4032 . CONCORD, CA 94524-4032

ENVIRONMENTAL ENGINEERING
MARLA D. GUENSLER
SENIOR ENVIRONMENTAL ENGINEER
(510) 246-8776
(510) 246-8798 FAX

6/10/96 per Linda McGahan, extracting from wells still effective in removing HC.

May 20, 1996

Ms. Juliet Shin
Alameda County Department of Environmental Health
Hazardous Materials Division
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

RE: Exxon RAS #7-0104/1725 Park Street, Alameda, CA

Dear Ms. Shin:

Attached for your review and comment is a report entitled ***Quarterly Ground Water Monitoring Report, First Quarter 1996*** for the above referenced site. This report, prepared by Delta Environmental Consultants, Inc., (Delta) of Rancho Cordova, California, details the results of the January 1996 ground water monitoring and sampling event.

Please contact me at (510) 246-8776 if you have any questions or comments.

Sincerely,

Marla D. Guensler
Senior Engineer

MDG/jb

attachment: Delta Quarterly Report dated March 6, 1996

cc: w/attachment:
Mr. Richard Hiett - San Francisco Bay RWQCB
Mr. Larry Seto - Alameda Co. Dept. of Environmental Health

w/o attachment:
Ms. Linda J. McGahan - Delta

96 MAY 30 PM 1:12
ENVIRONMENTAL PROTECTION

Delta
Environmental
Consultants, Inc.

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

March 6, 1996

Ms. Marla 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. 7-0104
1725 Park Street
Alameda, California
Delta Project No. D094-832

Dear Ms. Guensler:

Delta Environmental Consultants, Inc. (Delta), has been authorized by Exxon Company, U.S.A. (Exxon), to conduct quarterly ground water monitoring and remediation at Exxon Service Station No. 7-0104, located at 1725 Park Street, Alameda, California. This letter report presents the results of quarterly ground water monitoring and data collection conducted on January 24, 1996. The location of the site is shown in Figure 1 and site features are illustrated in Figure 2. Work conducted at the site by Delta was performed in accordance with the field methods and procedures described in Enclosure A.

Ground Water Elevations, Flow Direction, and Hydraulic Gradient

Ground water was measured in each of the twelve monitoring wells (MW-1 through MW-12) and the five recovery wells (EW-1 through EW-5). Ground water depths in the wells ranged from 4.86 (MW-12) to 20.97 (EW-3) feet below the top of the well casings. Ground water elevations in the monitoring wells increased approximately 1.45 feet from previous measurements collected in October 1995. Cumulative ground water level measurements collected by Delta are presented in Table 1. Historical ground water monitoring and sampling data collected by previous consultants (June 7, 1988 through February 25, 1994) are presented in Enclosure B.

A water table contour map constructed from the ground water level measurements recorded on January 24, 1996, is included as Figure 3. The contour map indicates an induced ground water flow direction toward recovery wells EW-1, EW-2, EW-3, and EW-5. The ground water extraction system has induced a hydraulic gradient of approximately 0.9 in the vicinity of the recovery wells. Away from the recovery wells, previous data indicates the ground water flow direction to be towards the east.

Subjective Analysis

Liquid-phase petroleum hydrocarbons (LPH) were not observed in any monitoring wells during the first quarter site visit.

Analytical Results

Ground water samples were collected from each of the monitoring wells on January 24, 1996, and submitted to Sequoia Analytical (a California-certified laboratory) for analyses of benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE) by EPA Method 8020, and total petroleum hydrocarbons (TPH) as gasoline by EPA Method 8015 Modified. Cumulative analytical results from samples collected by Delta are presented in Table 2. A summary of historical analytical results for ground water samples collected by previous consultants (June 7, 1988 through February 25, 1994) is presented in Enclosure B.

The analytical results for the first quarter 1996 monitoring event indicate that dissolved hydrocarbon constituent concentrations have generally remained unchanged. Detected concentrations of TPH as gasoline ranged from 64 micrograms per liter (μg/L) in the sample from recovery well EW-1 to 44,000 μg/L in the sample from monitoring well MW-11. Detected concentrations of benzene ranged from 1.6 μg/L in the sample collected from monitoring well MW-10 to 5,000 μg/L in the sample collected from monitoring well MW-2. Detectable MTBE concentrations ranged from 24 μg/L (MW-10) to 60,000 μg/L (MW-7). All analytes were below laboratory detection limits for ground water samples obtained from monitoring wells MW-8, MW-9, and MW-12.

A dissolved benzene concentration map based on analytical results for ground water samples collected on January 24, 1996, is included as Figure 4. A copy of the laboratory analytical report and chain-of-custody documentation is presented in Enclosure C.

Ground Water Remediation System Status

The ground water remediation system is sampled on a monthly basis, as required in the discharge permit issued by the East Bay Municipal Utility District (EBMUD). Influent and effluent grab water samples are collected for analyses of BTEX by EPA Method 5030/8020, and TPH as gasoline by EPA Method 8015 Modified. As per the revised discharge permit dated February 14, 1995, the ground water remediation system analytical sampling results are presented in semi-annual reports to EBMUD.

Future Work

The next quarterly monitoring event for this site is scheduled for April 1996. Delta anticipates continuing operation of the ground water remediation system.

Delta recommends that copies of this report be forwarded to the following agencies:

Mr. Richard Hiett
Regional Water Quality Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Mr. Larry Seto
Alameda County Department of Environmental Health
Hazardous Material Division
80 Swan Way, Room 200
Oakland, California 94621

Mr. Safa Toma
East Bay Municipal Utility District
Post Office Box 24055
Oakland, California 94621

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.

If you have any questions regarding this project, please contact Linda McGahan at (916) 638-2085.

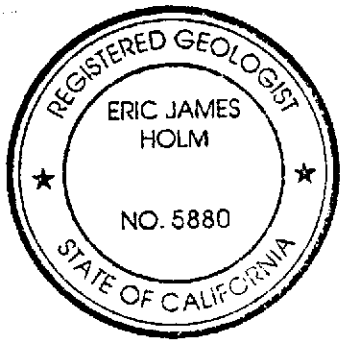
Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

J. William Speth
Staff Scientist

Linda J. McGahan
Project Manager

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



LJM (LRP669.SJS)
Enclosures

TABLE 1

GROUND WATER LEVEL MEASUREMENTS

Exxon Service Station No. 7-0104
1725 Park Street
Alameda, California

Monitoring Well	Date	Top of Riser Elevation (ft)[a]	Depth to Water (ft)	Ground Water Elevation (ft)	Comments
MW-1	09/12/94	17.35	7.11	10.24	No LPH[b] or Sheen
	10/01/94		7.44	9.91	No LPH or Sheen
	01/13/95		5.13	12.22	No LPH or Sheen
	04/27/95		6.57	10.78	No LPH or Sheen
	08/03/95		7.46	9.89	No LPH or Sheen
	10/17/95		7.67	9.68	No LPH or Sheen
	01/24/96		6.52	10.83	No LPH or Sheen
MW-2	09/12/94	16.67	6.71	9.96	No LPH or Sheen
	10/01/94		7.22	9.45	Sheen
	01/13/95		4.46	12.22[c]	LPH Thickness 0.01
	04/27/95		6.92	9.75	No LPH or Sheen
	08/03/95		6.96	9.71	No LPH or Sheen
	10/17/95		7.83	8.84	No LPH or Sheen
	01/24/96		6.45	10.22	No LPH or Sheen
MW-3	09/12/94	17.11	6.58	10.53	No LPH or Sheen
	10/01/94		6.85	10.26	No LPH or Sheen
	01/13/95		5.27	11.84	No LPH or Sheen
	04/27/95		6.05	11.06	No LPH or Sheen
	08/03/95		6.71	10.40	No LPH or Sheen
	10/17/95		7.46	9.65	No LPH or Sheen
	01/24/96		5.83	11.28	No LPH or Sheen
MW-4	09/12/94	17.34	6.80	10.54	No LPH or Sheen
	10/01/94		7.09	10.25	No LPH or Sheen
	01/13/95		4.66	12.68	No LPH or Sheen
	04/27/95		5.54	11.80	No LPH or Sheen
	08/03/95		6.92	10.42	No LPH or Sheen
	10/17/95		7.50	9.84	No LPH or Sheen
	01/24/96		5.81	11.53	No LPH or Sheen
MW-5	09/12/94	16.71	7.12	9.59	No LPH or Sheen
	10/01/94		7.06	9.65	Sheen
	01/13/95		4.85	11.88[c]	LPH Thickness 0.02
	04/27/95		6.51	10.20	No LPH or Sheen
	08/03/95		7.24	9.47	No LPH or Sheen
	10/17/95		7.80	8.91	No LPH or Sheen
	01/24/96		6.66	10.05	No LPH or Sheen

TABLE 1-Continued

GROUND WATER LEVEL DATA

Exxon Service Station No. 7-0104
1725 Park Street
Alameda, California

Monitoring Well	Date	Top of Riser Elevation (ft)[a]	Depth to Water (ft)	Ground Water Elevation (ft)	Comments
MW-6	09/12/94	17.56	6.88	10.68	No LPH or Sheen
	10/01/94		7.15	10.41	No LPH or Sheen
	01/13/95		4.80	12.76	No LPH or Sheen
	04/27/95		6.14	11.42	No LPH or Sheen
	08/03/95		6.83	10.73	No LPH or Sheen
	10/17/95		7.66	9.90	No LPH or Sheen
	01/24/96		5.86	11.70	No LPH or Sheen
MW-7	09/12/94	17.12	6.43	10.69	No LPH or Sheen
	10/01/94		6.71	10.41	No LPH or Sheen
	01/13/95		4.29	12.83	No LPH or Sheen
	04/27/95		5.00	12.12	No LPH or Sheen
	08/03/95		6.53	10.59	No LPH or Sheen
	10/17/95		7.23	9.89	No LPH or Sheen
	01/24/96		5.26	11.86	No LPH or Sheen
MW-8	09/12/94	16.33	6.42	9.91	No LPH or Sheen
	10/01/94		6.62	9.71	No LPH or Sheen
	01/13/95		5.25	11.08	No LPH or Sheen
	04/27/95		6.00	10.33	No LPH or Sheen
	08/03/95		6.28	10.05	No LPH or Sheen
	10/17/95		6.93	9.40	No LPH or Sheen
	01/24/96		5.71	10.62	No LPH or Sheen
MW-9	09/12/94	15.62	6.84	8.78	No LPH or Sheen
	10/01/94		6.97	8.65	No LPH or Sheen
	01/13/95		6.18	9.44	No LPH or Sheen
	04/27/95		6.58	9.04	No LPH or Sheen
	08/03/95		6.72	8.90	No LPH or Sheen
	10/17/95		7.09	8.53	No LPH or Sheen
	01/24/96		6.46	9.16	No LPH or Sheen
MW-10	09/12/94	16.79	7.04	9.75	No LPH or Sheen
	10/01/94		7.30	9.49	No LPH or Sheen
	01/13/95		6.04	10.75	No LPH or Sheen
	04/27/95		6.66	10.13	No LPH or Sheen
	08/03/95		7.23	9.56	No LPH or Sheen
	10/17/95		7.93	8.86	No LPH or Sheen
	01/24/96		6.43	10.36	No LPH or Sheen
MW-11	10/17/95	18.04	7.72	10.32	No LPH or Sheen
	01/24/96		5.97	12.07	No LPH or Sheen
MW-12	10/17/95	16.30	6.38	9.92	No LPH or Sheen
	01/24/96		4.86	11.44	No LPH or Sheen

TABLE 1-Continued

GROUND WATER LEVEL DATA

Exxon Service Station No. 7-0104
1725 Park Street
Alameda, California

Monitoring Well	Date	Top of Riser Elevation (ft)[a]	Depth to Water (ft)	Ground Water Elevation (ft)	Comments
EW-1	09/12/94	16.22	6.13	10.09	No LPH or Sheen
	10/01/94		7.63	8.59	No LPH or Sheen
	01/13/95		11.46	4.76	No LPH or Sheen
	04/27/95		15.47	0.75	No LPH or Sheen
	08/03/95		13.85	2.37	No LPH or Sheen
	10/17/95		8.05	8.17	No LPH or Sheen
	01/24/96		11.07	5.15	No LPH or Sheen
EW-2	09/12/94	16.05	6.09	9.96	Sheen
	10/01/94		7.32	8.73	Sheen
	01/13/95		14.38	1.67	No LPH or Sheen
	04/27/95		15.23	0.82	No LPH or Sheen
	08/03/95		7.19	8.86	No LPH or Sheen
	10/17/95		18.97	-2.92	No LPH or Sheen
	01/24/96		20.32	-4.27	No LPH or Sheen
EW-3	09/12/94	16.02	6.12	9.9	No LPH or Sheen
	10/01/94		10.52	5.5	No LPH or Sheen
	01/13/95		18.13	-2.11	No LPH or Sheen
	04/27/95		23.07	-7.05	No LPH or Sheen
	08/03/95		22.90	-6.88	No LPH or Sheen
	10/17/95		22.87	-6.85	No LPH or Sheen
	01/24/96		20.97	-4.95	No LPH or Sheen
EW-4	09/12/94	16.61	5.69	10.92	No LPH or Sheen
	10/01/94		7.90	8.71	No LPH or Sheen
	01/13/95		11.36	5.25	No LPH or Sheen
	04/27/95		16.30	0.31	No LPH or Sheen
	08/03/95		6.45	10.16	No LPH or Sheen
	10/17/95		15.89	0.72	No LPH or Sheen
	01/24/96		6.03	10.58	No LPH or Sheen
EW-5	09/12/94	16.51	6.30	10.21	No LPH or Sheen
	10/01/94		11.83	4.68	No LPH or Sheen
	01/13/95		12.54	3.97	No LPH or Sheen
	04/27/95		13.11	3.40	No LPH or Sheen
	08/03/95		11.99	4.52	No LPH or Sheen
	10/17/95		13.43	3.08	No LPH or Sheen
	01/24/96		9.72	6.79	No LPH or Sheen

[a] Elevation of top of well casing in relative to mean sea level (RESNA Industries, Inc., February 10, 1994).
[b] Liquid-phase petroleum hydrocarbons.
[c] Adjusted ground water elevations, based on the specific gravity of gasoline as 0.80.

TABLE 2

GROUND WATER SAMPLE RESULTS

Concentrations in micrograms per liter (μg/L)

Exxon Retail Station No. 7-0104
1725 Park Street
Alameda, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH[a] as gasoline	MTBE[b]
MW-1	09/12/94	200	1.9	210	6.6	1,600[c]	NA[d]
	10/01/94	200	<0.5	160	6.6	1,400[c]	NA
	01/13/95	410[e]	17	280[e]	89	2,100[c]	NA
	04/27/95	460	41	340	270	4,700	NA
	08/03/95	140	<5.0	160	9.9	1,900	30
	10/17/95	6.2	<0.5	13	0.75	280	5.5
	01/24/96	21	1.4	38	3.1	740	440
MW-2	09/12/94	4,400	120	1,700	2,100	31,000[c]	NA
	10/01/94	4,500	250	1,800	2,400	45,000[c]	NA
	01/13/95	NS[f]	NS	NS	NS	NS	NA
	04/27/95	7,000	840	2,400	3,400	44,000	NA
	08/03/95	4,600	170	1,600	1,100	30,000	37,000
	10/17/95	5,400	190	2,000	1,500	45,000	14,000
	01/24/96	5,000	810	2,200	2,200	30,000	4,100
MW-3	09/12/94	580	8.0	340	100	3,100[c]	NA
	10/01/94	640	11	230	130	3,800[c]	NA
	01/13/95	690	24	210	130	3,800[c]	NA
	04/27/95	940	35	810	530	7,500	NA
	08/03/95	380	<5.0	140	45	1,900	24
	10/17/95	950	29	230	190	6,100	<5.0
	01/24/96	730	15	190	110	3,000	<100
MW-4	09/12/94	900	57	310	490	5,200[c]	NA
	10/01/94	1,200	66	360	380	9,100[c]	NA
	01/13/95	1,300	200	550	1,000	25,000[c]	NA
	04/27/95	650	130	350	590	5,900	NA
	08/03/95	1,000	<12	170	140	4,200	5,700
	10/17/95	1,300	30	360	380	6,900	1,700
	01/24/96	1,900	46	290	330	6,300	830
MW-5	09/12/94	2,300	17	320	230	10,000[c]	NA
	10/01/94	2,300	19	220	200	11,000[c]	NA
	01/13/95	NS	NS	NS	NS	NS	NA
	04/27/95	2,200	72	540	350	14,000	NA
	08/03/95	2,100	<100	210	<100	<10,000	39,000
	10/17/95	1,800	14	240	170	13,000	38,000
	01/24/96	2,400	79	340	190	10,000	20,000

TABLE 2-Continued

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

Exxon Service

yStation No. 7-0104

1725 Park Street
Alameda, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH[a] as gasoline	MTBE[b]
MW-6	09/12/94	150	4.4	170	85	1,500[c]	NA
	10/01/94	120	<0.5	99	38	87[c]	NA
	01/13/95	710	220	780	1,100	9,900[c]	NA
	04/27/95	340	40	460	320	3,900	NA
	08/03/95	89	<2.5	110	63	1,100	65
	10/17/95	410	74	850	110	8,500	<5.0
	01/24/96	560	1,500	2,200	7,500	31,000	<5.0
MW-7	09/12/94	490	50	280	70	6,000[c]	NA
	10/01/94	940	670	310	160	8,900[c]	NA
	01/13/95	590	780	970	4,200	20,000[c]	NA
	04/27/95	410	32	410	230	8,800	NA
	08/03/95	390	<50	290	<50	4,900	17,000
	10/17/95	530	26	240	25	6,700	17,000
	01/24/96	2,000	390	350	230	9,300	60,000
MW-8	09/12/94	<0.5	<0.5	<0.5	<0.5	<50[c]	NA
	10/01/94	<0.5	<0.5	<0.5	<0.5	<50[c]	NA
	01/13/95	<0.5	<0.5	<0.5	<0.5	<50[c]	NA
	04/27/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/03/95	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	10/17/95	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	01/24/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
MW-9	09/12/94	<0.5	<0.5	<0.5	<0.5	<50[c]	NA
	10/01/94	<0.5	<0.5	<0.5	<0.5	<50[c]	NA
	01/13/95	<0.5	<0.5	<0.5	<0.5	<50[c]	NA
	04/27/95	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/03/95	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	10/17/95	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	01/24/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
MW-10	09/12/94	<0.5	<0.5	1.6	<0.5	71[c]	NA
	10/01/94	1.1	<0.5	2.8	0.73	330[c]	NA
	01/13/95	<0.5	<0.5	<0.5	<0.5	90[c]	NA
	04/27/95	<0.5	<0.5	5.4	1.3	140	NA
	08/03/95	<0.5	<0.5	<0.5	<0.5	150	<2.5
	10/17/95	<0.5	<0.5	<0.5	<0.5	<50	95
	01/24/96	1.6	0.52	62	28	760	24
MW-11	10/17/95	3,800	150	950	4,500	34,000	890
	01/24/96	3,800	1,200	2,100	9,800	44,000	<500

TABLE 2-Continued

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

Exxon Service

yStation No. 7-0104

1725 Park Street
Alameda, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH[a] as gasoline	MTBE[b]
MW-12	10/17/95	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	01/24/96	<0.5	<0.5	<0.5	<0.5	<50	<5.0
EW-1	09/12/94	40	<0.5	10	5.4	400[c]	NA
	10/01/94	<0.5	4.4	30	11	3,400[c]	NA
	01/13/95	40	<0.5	12	16	680[c]	NA
	04/27/95	NS	NS	NS	NS	NS	NA
	08/03/95	2.7	<1.2	<1.2	<1.2	<125	590
	10/17/95	220	<0.5	160	36	3,600	400
	01/24/96	4.3	<0.5	1.3	0.53	64	260
EW-2	09/12/94	2,000	79	180	290	8,800[c]	NA
	10/01/94	1,400	6.7	700	310	9,500[c]	NA
	01/13/95	930	270	21	280	5,700[c]	NA
	04/27/95	NS	NS	NS	NS	NS	NA
	08/03/95	170	27	36	64	830	1,600
	10/17/95	<0.5	<0.5	<0.5	5.1	180	3,600
	01/24/96	290	82	14	170	1,700	6,400
EW-3	09/12/94	44	5.9	12	31	300[c]	NA
	10/01/94	12	0.42	1.7	3.7	140[c]	NA
	01/13/95	4.6	7.6	1.2	6.6	230[c]	NA
	04/27/95	NS	NS	NS	NS	NS	NA
	08/03/95	<2.0	<2.0	<2.0	<2.0	<200	1,400
	10/17/95	4.4	<0.5	<0.5	<0.5	74	2,400
	01/24/96	16	<0.5	<0.5	<0.5	120	2,300
EW-4	09/12/94	1,700	12	210	77	4,000[c]	NA
	10/01/94	100	1.5	15	11	460[c]	NA
	01/13/95	89	8.8	1.6	82	520[c]	NA
	04/27/95	NS	NS	NS	NS	NS	NA
	08/03/95	3,100	1,100	2,000	8,200	42,000	17,000
	10/17/95	6.3	<0.5	<0.5	<0.5	92	2,500
	01/24/96	79	2.5	2.9	10	220	9,200

TABLE 2-Continued

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

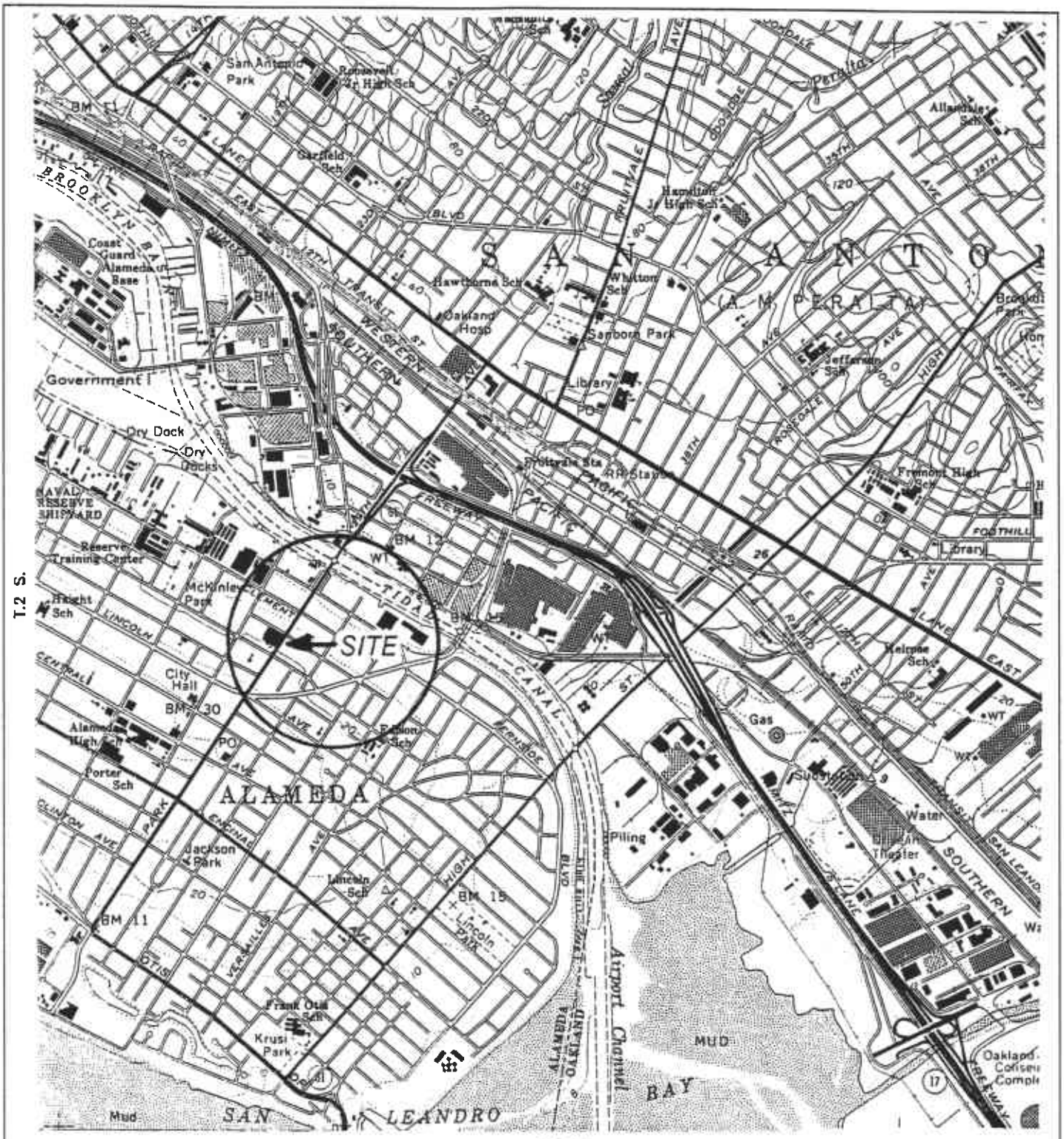
Exxon Service

yStation No. 7-0104

1725 Park Street
Alameda, California

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH[a] as gasoline	MTBE[b]
EW-5	09/12/94	26	1.7	11	12	180[c]	NA
	10/01/94	16	0.92	5.7	8.5	130[c]	NA
	01/13/95	0.6	0.8	0.6	2.9	130[c]	NA
	04/27/95	NS	NS	NS	NS	NS	NA
	08/03/95	<0.5	<0.5	<0.5	<0.5	70	210
	10/17/95	1.5	<0.5	<0.5	3.0	78	50
	01/24/96	280	66	22	370	2,500	350

[a] Total petroleum hydrocarbons by EPA Method 8015 Modified, except as noted.
[b] Methyl tertiary butyl ether by EPA Method 8020.
[c] Total volatile hydrocarbons by DOHS/LUFT manual method.
[d] Not analyzed.
[e] Result obtained from a 1:10 dilution analyzed on January 17, 1995.
[f] Not sampled.



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
OAKLAND EAST, CA.
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1980

North

CALIF

QUADRANGLE LOCATION

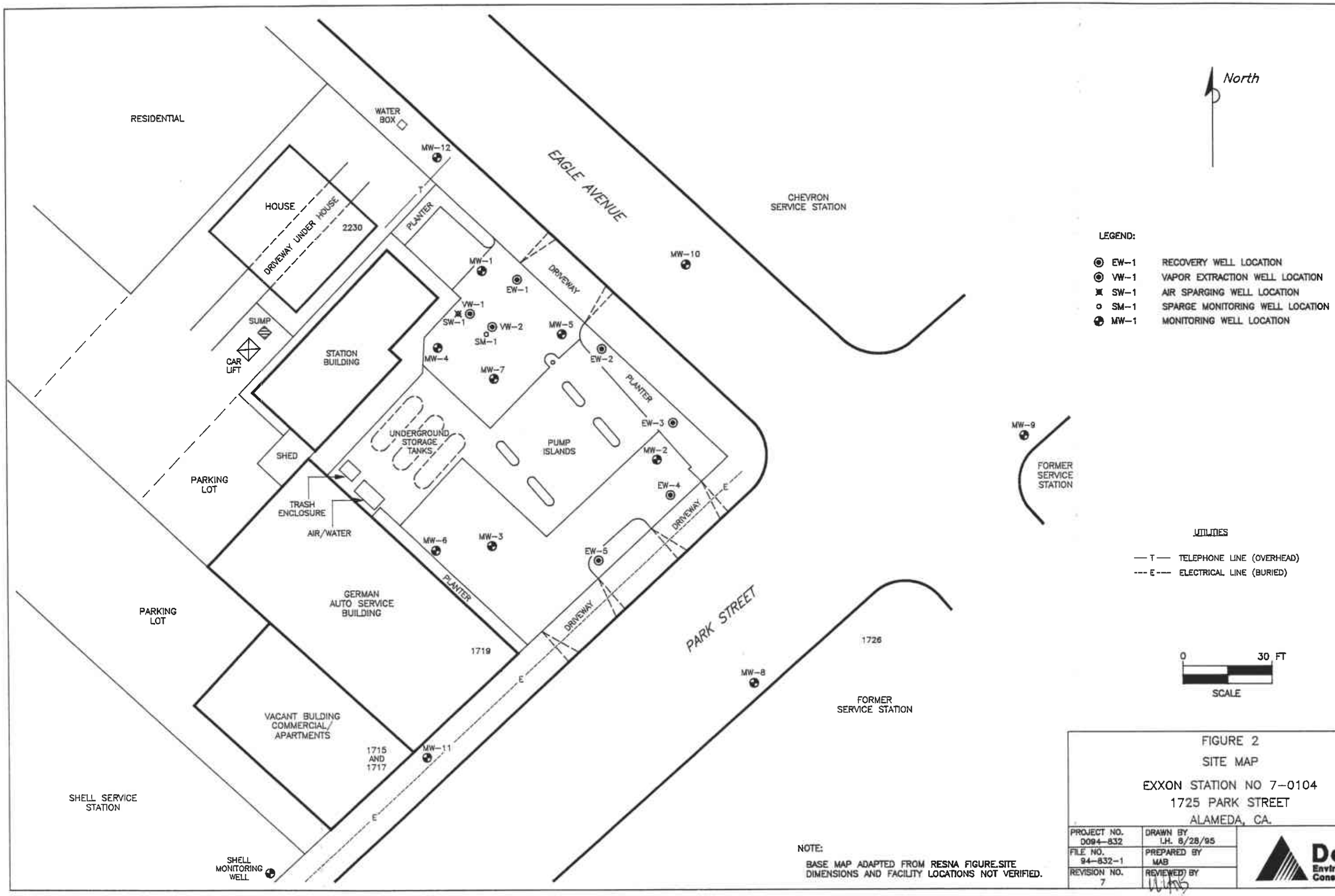
0 2000 FT

SCALE 1 : 24,000

FIGURE 1
SITE LOCATION MAP
EXXON STATION NO 7-0104
1725 PARK STREET
ALAMEDA, CA.

PROJECT NO. 0094-832	DRAWN BY I.H. 9/27/94
FILE NO. ---	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY [signature] 10/5/94

Delta Environmental Consultants, Inc.



NOTE:

BASE MAP ADAPTED FROM RESNA FIGURE.SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

FIGURE 2

SITE MAP

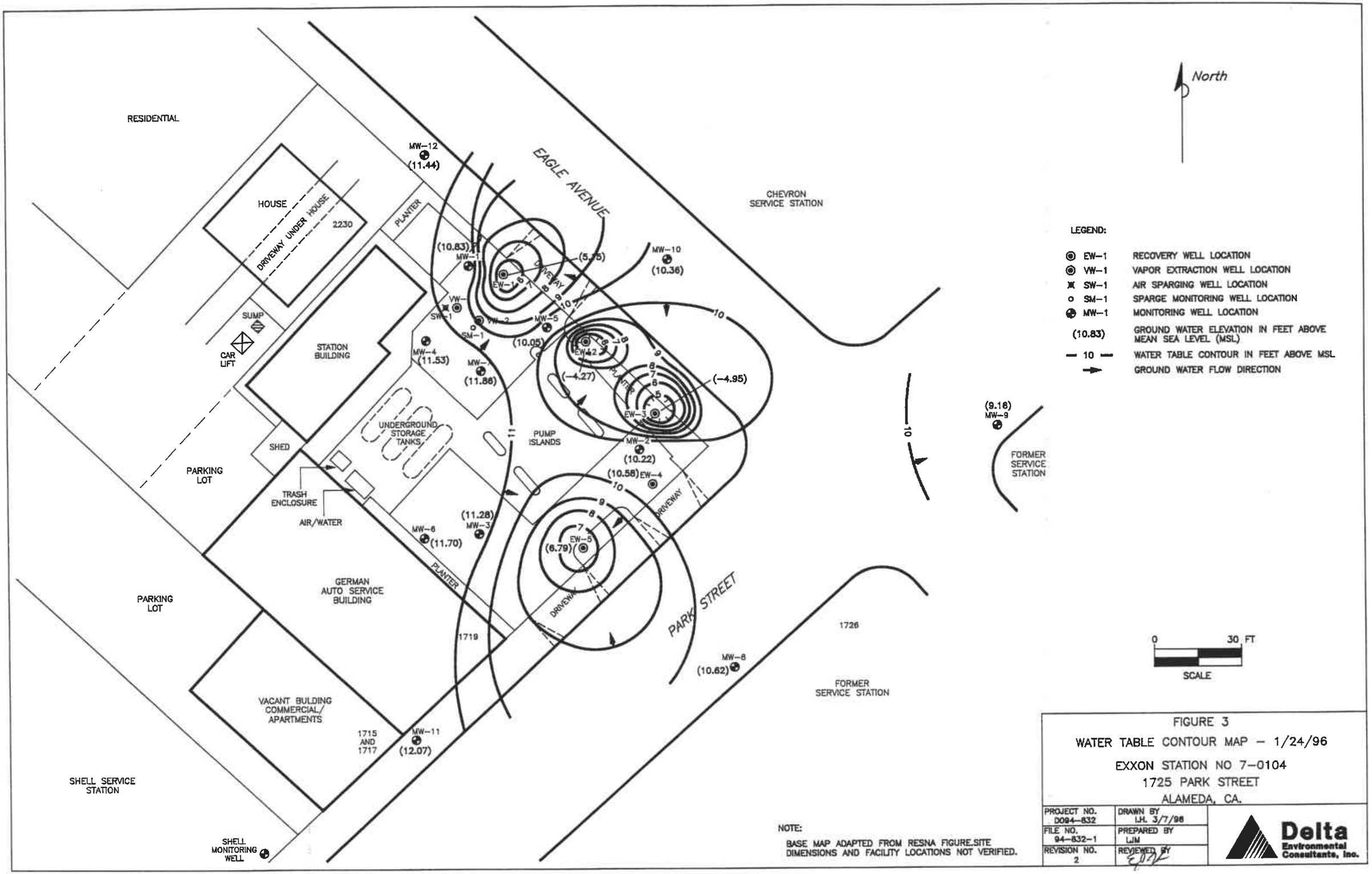
EXXON STATION NO 7-0104

1725 PARK STREET

ALAMEDA, CA.

PROJECT NO. D094-832	DRAWN BY I.H. 8/28/95
FILE NO. 94-832-1	PREPARED BY MAB
REVISION NO. 7	REVIEWED BY

Delta Environmental Consultants, Inc.



NOTE:

BASE MAP ADAPTED FROM RESNA FIGURE.SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

FIGURE 3

WATER TABLE CONTOUR MAP – 1/24/96

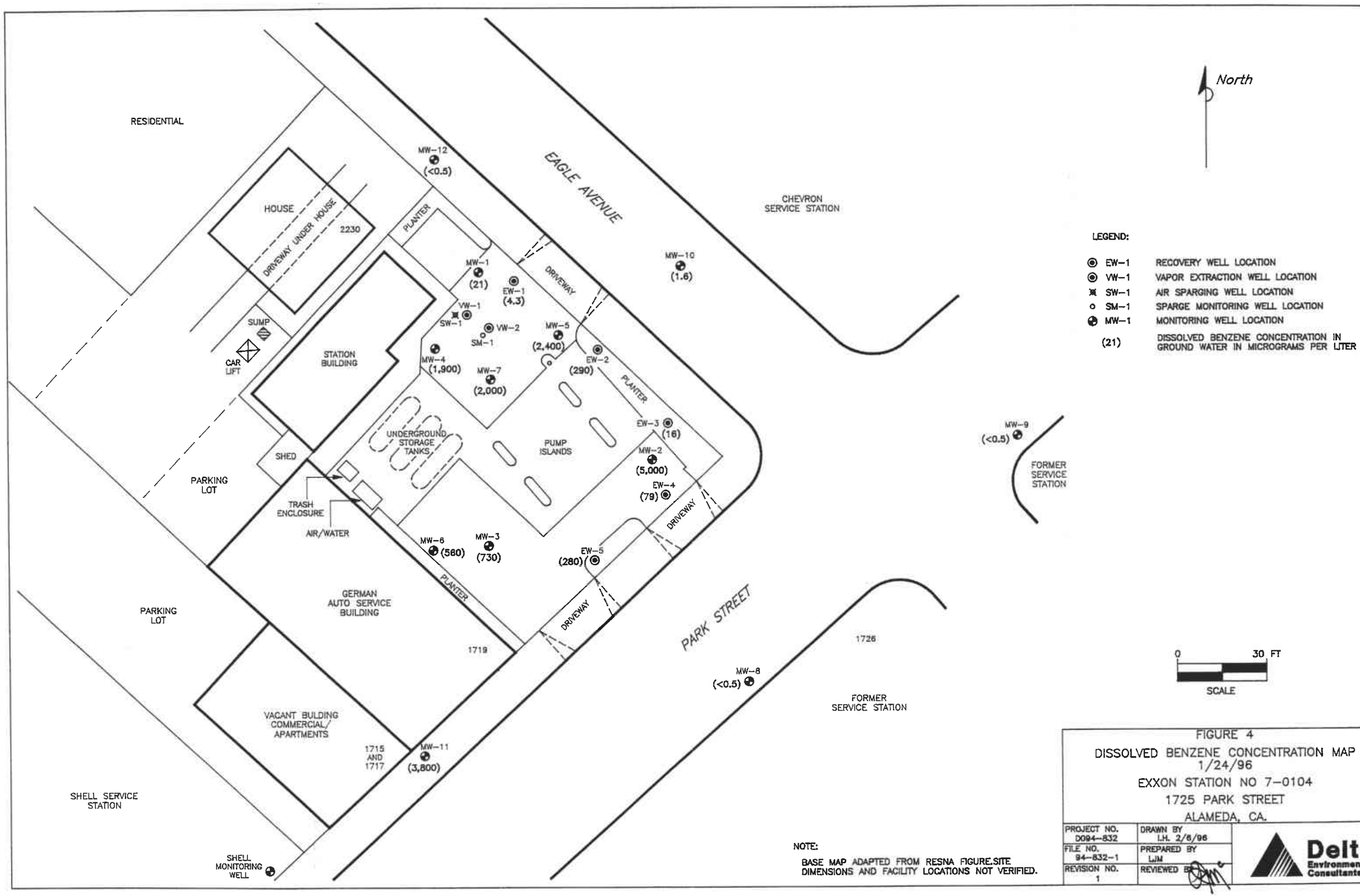
EXXON STATION NO 7-0104

1725 PARK STREET

ALAMEDA, CA.

PROJECT NO. D094-832	DRAWN BY I.H. 3/7/96
FILE NO. 94-832-1	PREPARED BY LJM
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc.



NOTE:

BASE MAP ADAPTED FROM RESNA FIGURE.SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

FIGURE 4

DISSOLVED BENZENE CONCENTRATION MAP
1/24/96

EXXON STATION NO 7-0104

1725 PARK STREET

ALAMEDA, CA.

PROJECT NO. D094-832	DRAWN BY I.H. 2/6/96
FILE NO. 94-832-1	PREPARED BY LJM
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.

ENCLOSURE A

Field Methods and Procedures

FIELD METHODS AND PROCEDURES

1.0 GROUND WATER AND LIQUID-PHASE HYDROCARBON DEPTH ASSESSMENT

A water/hydrocarbon interface probe was used to assess the liquid-phase hydrocarbon (LPH) thickness, if present, and a water level indicator was used to measure the 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 hydrocarbon sheen.

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, disposable 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 LPH sheen.

3.0 MONITORING WELL PURGING AND SAMPLING

Monitoring wells were purged using a centrifugal pump until three well volumes of water had been removed. Ground water removed from the wells was discharged to the sanitary sewer after treatment through the ground water remediation system located at the subject site. After purging, ground water levels were allowed to stabilize. A ground water sample was then removed from each of the wells using a disposable 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 ensure sample integrity. Ground water samples were transported to the laboratory and analyzed within the EPA-specified holding times for the requested analyses.

ENCLOSURE B

Historical Ground Water Level Data and Analytical Results
(June 7, 1988 through February 25, 1994)

TABLE 1

CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Exxon Service Station No. 7-0104

1725 Park Street

Alameda, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		< feet >			< parts per billion >				
MW-1 (17.35)	06/07/88	NM	NM	—	27,000	6,000	77	1,100	2,700
	06/10/88#	NLPH	6.35	11.00					
	01/17/89	NLPH	6.31	11.04	6,300	2,000	91	800	1,300
	01/24/89#	NLPH	5.16	12.19					
	06/01/89	sheen	6.27	11.08	1,700	170	6.9	13	230
	09/18/89	NLPH	7.11	10.24	2,100	9.0	53	18	130
	10/20/89#	NLPH	7.28	10.07					
	11/22/89#	NLPH	7.02	10.33	5,300	200	42	280	350
	12/11/89	NLPH	6.80	10.75					
	02/13/90#	NLPH	6.02	11.33					
	03/07/90a#	NM	NM	—	2,300	430	14	16	220
	03/13/90	NLPH	5.91	11.44					
	04/18/90#	NLPH	6.18	11.17					
	05/23/90#	NLPH	6.29	11.06	32,000	1,400	19	<5	120
	06/14/90	NLPH	6.19	11.28					
	08/21/90#	NLPH	7.03	10.32	950	290	2.9	<0.5	37
	09/19/90	NLPH	7.25	10.09	2,100	550	13	250	110
	12/17/90	NLPH	6.75	10.60					
	01/31/91#	NLPH	6.78	10.57					
	02/25/91#	NLPH	6.69	10.75	1,400	900	45	330	150
	03/19/91	NLPH	5.35	11.50					
	04/22/91#	sheen	5.72	11.33					
	05/17/91#	NLPH	6.00	11.35	9,700	1,300	670	950	2,100
	07/24/91	NLPH	6.79	10.56					
	09/10/91#	NLPH	7.25	10.10					
	09/23/91#	NLPH	7.33	10.02					
	10/21/91#	NLPH	7.53	9.82	540	220	1.3	110	7.3
	10/22/91	NM	NM	—					
	11/18/91#	NLPH	7.13	10.22					
	12/11/91#	NLPH	7.25	10.10	1,300	650	23	300	64
	01/21/92	NLPH	6.54	10.81					
	02/20/92#	NLPH	4.32	12.53					
	03/19/92#	NLPH	5.24	12.11	4,300	1,600	78	680	250
	04/24/92	NLPH	5.71	11.64					
	05/13/92#	NLPH	5.99	11.36					
	06/24/92#	NLPH	6.35	10.70	3,400	1,000	11	550	100
	07/16/92	NLPH	6.72	10.53					
	08/19/92#	NLPH	7.07	10.23	3,700	1,300	21	330	<10
	09/24/92	NLPH	7.38	9.99	11,000	2,400	160	1,400	790
	02/05/93	NLPH	5.21	12.14	6,500	330	320	540	1,300
	04/30/93	NLPH	5.38	11.47					
	05/14/93#	NLPH	7.22	10.13					

See notes on page 11 of 11.

TABLE 1

CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Exxon Service Station No. 7-0104

1725 Park Street

Alameda, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		< ..... feet ..... >			< ..... parts per billion ..... >				
MW-1 cont. (17.35)	07/15/93	NLPH	8.01	9.34	7,500	270	62	1,100	1,000
	10/21/93#	NM	7.33	9.52					
	11/16/93	NLPH	8.59	8.56	340	18	1.4	72	17
	11/30/93#	NM	8.38	8.59					
	12/17/93#	NM	7.42	9.93					
	01/31/93#	NM	6.37	10.98					
	02/24-25/94	NLPH	8.23	10.34	310	15	9.0	98	58
MW-2 (16.57)	06/07/88	—	—	—	110,000	12,000	12,000	2,100	12,000
	06/10/88#	NLPH	6.20	10.47					
	01/17/89	NLPH	5.96	10.71	30,000	6,500	3,300	1,500	7,700
	01/24/89#	NLPH	5.04	11.53					
	06/01/89	sheen	6.32	10.35	3,700	330	190	680	1,200
	09/13/89	NLPH	6.73	9.94	17,000	580	290	570	320
	10/20/89#	NLPH	6.37	9.80					
	11/22/89#	NLPH	6.30	9.37					
	12/11/89	NLPH	6.57	10.10	32,000	1,000	350	310	1,200
	02/13/90#	NLPH	6.12	10.55					
	03/13/90	NLPH	6.02	10.55	39,000	3,500	1,300	2,100	3,900
	04/13/90#	NLPH	6.35	10.32					
	05/23/90#	NLPH	6.23	10.29					
	06/14/90	NLPH	6.14	10.53	34,000	3,300	730	1,500	3,300
	08/21/90#	NLPH	6.70	9.97				320	1,000
	09/19/90	NLPH	6.84	9.33	53,000	870	180	3,000	3,200
	12/17/90	NLPH	6.46	10.21	140,000	3,700	2,500		
	01/31/91#	sheen	6.68	10.01					
	02/25/91#	NLPH	6.50	10.17					
	03/19/91	sheen	5.76	10.31	48,000	4,500	1,300	2,100	5,300
	04/22/91#	NLPH	5.78	10.39					
	05/17/91#	NLPH	6.01	10.56					
	07/24/91	NLPH	6.43	10.24	49,000	3,500	2,200	2,000	6,400
	09/10/91#	NLPH	6.81	9.36					
	09/23/91#	NLPH	6.82	9.35					
	10/21/91#	NLPH	7.01	9.56					
	10/22/91	—	—	—	34,000	3,700	1,100	1,300	5,200
	11/13/91#	NLPH	6.66	10.01					
	12/11/91#	NLPH	6.35	9.32					
	01/21/92	NLPH	6.22	10.45	21,000	4,300	1,300	1,700	5,100
	02/20/92#	NLPH	6.29	11.39					
	03/19/92#	NLPH	6.34	11.33					
	04/24/92	sheen	6.75	10.92	36,000	5,000	970	2,300	5,200
	05/13/92#	NLPH	6.35	10.72					

See notes on page 11 of 11.

TABLE 1

CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Exxon Service Station No. 7-0104

1725 Park Street

Alameda, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		< feet >			< parts per billion >				
MW-2 cont. (16.67)	06/24/92#	NLPH	6.39	10.28	42,000	3,500	490	1,300	3,700
	07/16/92	sheen	6.50	10.17					
	08/19/92#	NLPH	6.69	9.98	26,000	3,300	670	1,700	3,300
	09/24/92	sheen	6.74	9.93					
	02/05/93#	0.01	5.56	11.10	280,000	11,000	6,500	5,500	160,000
	04/30/93	sheen	5.78	10.89					
	05/14/93#	NA	NA	—					
	07/15/93#	0.01	7.39	9.79					
	10/21/93#	NM	7.24	9.43					
	11/16/93#	0.02	8.37	8.32					
	11/30/93#	NM	7.93	8.74					
	12/17/93#	NM	7.74	8.93					
	01/31/94#	NM	8.32	10.35					
	02/24-25/94	NLPH	8.93	9.74	51,000	11,000	1,700	2,700	5,300
MW-3 (17.11)	06/07/88	NM	NM	—	28,000	6,000	30	940	1,300
	06/10/88#	NLPH	6.05	11.06	5,300	2,300	220	590	1,100
	01/17/89	NLPH	5.49	11.62					
	01/24/89#	NLPH	5.38	11.73	5,400	330	300	570	580
	06/01/89	NLPH	5.36	11.15	12,000	680	170	350	360
	09/13/89	NLPH	6.35	10.46					
	10/20/89#	NLPH	6.38	10.23					
	11/22/89#	NLPH	6.74	10.37	14,000	1,100	150	670	690
	12/11/89	NLPH	6.37	10.74					
	02/13/90#	NLPH	5.58	11.53	18,000	6,300	200	1,100	1,100
	03/13/90	NLPH	5.48	11.53					
	04/18/90#	NLPH	6.01	11.10					
	05/23/90#	NLPH	6.14	10.97	9,500	1,300	380	310	1,300
	06/14/90	NLPH	5.83	11.28					
	08/21/90#	NLPH	6.67	10.44	16,000	5,000	65	1,500	450
	09/19/90	NLPH	6.38	10.23	6,700	1,500	64	650	460
	12/17/90	NLPH	6.46	10.65					
	01/31/91#	NLPH	6.24	10.87					
	02/25/91#	NLPH	6.18	10.93	18,000	4,200	2,100	1,100	1,200
	03/19/91	NLPH	5.35	11.76					
	04/22/91#	NLPH	5.72	11.39					
	05/17/91#	NLPH	5.55	11.56	38,000	6,200	990	2,900	9,300
	07/24/91	NLPH	6.41	10.70					
	09/10/91#	NLPH	6.30	10.31					
	09/23/91#	NLPH	6.30	10.31					
	10/21/91#	NLPH	7.09	10.02	23,000	3,400	150	2,300	4,400
	10/22/91	NM	NM	—					

See notes on page 11 of 11.

TABLE 1

CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Exxon Service Station No. 7-0104

1725 Park Street

Alameda, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		<	feet	>	<	parts per billion			>
MW-3 cont. (17.11)	11/18/91#	NLPH	5.74	10.37					
	12/11/91#	NLPH	6.79	10.32	13,000	2,700	30	1,300	740
	01/21/92	NLPH	5.16	10.95					
	02/20/92#	NLPH	4.89	12.22					
	03/19/92#	NLPH	4.35	12.26	17,000	4,200	170	1,500	600
	04/24/92	NLPH	5.23	11.33					
	05/13/92#	NLPH	5.58	11.53					
	06/24/92#	NLPH	6.22	10.39	11,000	2,700	220	1,100	570
	07/16/92	NLPH	6.36	10.75					
	08/19/92#	NLPH	6.65	10.46	7,100	2,000	44	1,000	220
	09/24/92	NLPH	6.93	10.18	13,000	3,500	110	1,300	430
	02/05/93	NLPH	4.71	12.40	13,000	1,500	370	1,500	1,300
	04/30/93	NLPH	5.46	11.65					
	05/14/93#	NLPH	6.53	10.58	2,100	310	15	220	58
	07/15/93	NLPH	7.28	9.83					
	10/21/93#	NM	7.42	9.69	4,000	400	400	120	490
	11/16/93	NLPH	8.02	9.09	—	—	—	—	—
	11/30/93	—	7.79	9.32					
	12/17/93#	NM	7.15	9.98					
	01/31/94#	NM	6.32	10.79	3,300	230	52	150	400
	02/24-25/94	NLPH	6.04	11.07					
MW-4 (17.34)	01/17/89	NLPH	5.36	11.38	19,000	1,000	1,500	360	2,200
	01/24/89#	NLPH	5.46	11.38					
	06/01/89	NLPH	5.01	11.33	3,300	180	240	83	310
	09/19/89	NLPH	6.30	10.54	6,000	290	300	23	510
	10/20/89#	NLPH	7.08	10.25					
	11/22/89#	NLPH	6.32	10.52					
	12/11/89	NLPH	6.37	10.37	13,000	750	910	510	1,200
	02/13/90#	NLPH	5.49	11.35					
	03/07/90a#	NM	NM	—					
	03/13/90	NLPH	5.44	11.30	12,000	1,500	1500	470	28,000
	04/18/90#	NLPH	6.14	11.20					
	05/23/90#	NLPH	6.22	11.12					
	06/14/90	NLPH	5.32	11.42	12,000	5,700	400	1,300	780
	08/21/90#	NLPH	6.33	10.51					
	09/19/90	NLPH	7.07	10.27	5,300	670	130	390	1,000
	12/17/90	NLPH	6.50	10.34	14,000	1,400	620	540	2,100
	01/31/91#	NLPH	6.56	10.68					
	02/25/91#	NLPH	6.21	11.13					
	03/19/91	NLPH	5.29	12.05	11,000	1,500	740	620	2,100
	04/22/91#	NLPH	5.25	12.08					

See notes on page 11 of 11.

TABLE 1

CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Exxon Service Station No. 7-0104

1725 Park Street

Alameda, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		<	feet ..... >		<	parts per billion ..... >			
MW-4 cont. (17.34)	05/17/91#	NLPH	5.50	11.74	10,000	1,200	440	410	1,200
	07/24/91	NLPH	6.54	10.30					
	09/10/91#	NLPH	7.04	10.30					
	09/23/91#	NLPH	7.14	10.20					
	10/21/91#	sheen	7.30	10.04	4,800	750	190	350	780
	10/22/91	—	—	—					
	11/18/91#	NLPH	6.90	10.44					
	12/11/91#	NLPH	7.01	10.33	6,000	1,300	320	510	1,200
	01/21/92	NLPH	6.25	11.09					
	02/20/92#	NLPH	4.79	12.55					
	03/19/92#	NLPH	4.70	12.64	11,000	1,700	630	710	1,300
	04/24/92	sheen	5.15	12.09					
	05/13/92#	sheen	5.62	11.72					
	06/24/92#	sheen	6.19	11.15	5,400	870	240	440	700
	07/16/92	sheen	6.51	10.83					
	08/19/92#	NLPH	6.35	10.49	5,900	1,300	130	530	690
	09/24/92	NLPH	7.17	10.17	15,000	2,300	320	980	2,200
	02/05/93	NLPH	4.61	12.73	21,000	4,000	960	1,300	2,900
	04/30/93	NLPH	5.58	11.75					
	05/14/93#	NLPH	6.50	10.34	2,300	440	55	130	220
	07/15/93	NLPH	7.50	9.34					
	10/27/93#	NM	7.77	9.57	5,100	320	160	250	750
	11/16/93	NLPH	8.27	9.07	—	—	—	—	—
	11/30/93	—	8.02	9.32					
	12/17/93#	NM	7.04	10.30					
	01/31/94#	NM	6.36	10.98	9,300	2,200	190	660	1,200
	02/24-25/94	NLPH	5.78	11.56					
MW-5 (16.71)	01/17/89	NLPH	5.39	11.32	25,000	8,700	3,900	990	5,900
	01/24/89#	NLPH	5.51	11.20	5,200	240	220	130	690
	06/01/89	sheen	5.33	10.38	3,000	340	150	140	460
	09/18/89	NLPH	6.52	10.19					
	10/20/89#	NLPH	6.72	9.99					
	11/22/89#	NLPH	6.54	10.17	15,000	720	320	450	970
	12/11/89	NLPH	6.21	10.50					
	02/13/90#	NLPH	5.60	11.11					
	03/07/90#	NM	NM	—	10,000	3,400	220	290	800
	03/13/90	NLPH	5.54	11.17					
	04/18/90#	NLPH	5.75	10.96					
	05/23/90#	NLPH	5.98	10.73	12,000	3,300	160	350	730
	06/14/90	NLPH	5.31	10.90					
	08/21/90#	NLPH	5.51	10.70					

See notes on page 11 of 11.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station No. 7-0104
1725 Park Street
Alameda, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		<	feet . . . . . . >		<	parts per billion	. . . .	. . . .	>
MW-5 cont. (16.71)	09/19/90	NLPH	5.70	10.01	3,500	1,300	35	120	460
	12/17/90	sheen	6.24	10.47	18,000	2,300	310	430	1,400
	01/31/91#	NLPH	6.31	10.40					
	02/25/91#	NLPH	6.13	10.58					
	03/19/91	NLPH	5.32	11.39	17,000	2,900	610	530	1,200
	04/22/91#	sheen	5.30	11.41					
	05/17/91#	NLPH	5.59	11.12					
	07/24/91	NLPH	6.33	10.38	16,000	3,200	320	590	1,100
	09/10/91#	NLPH	6.66	10.05					
	09/23/91#	NLPH	6.75	9.96					
	10/21/91#	sheen	6.92	9.79					
	10/22/91	NM	NM	—	6,500	2,000	64	320	480
	11/18/91#	NLPH	6.55	10.16					
	12/11/91#	NLPH	6.64	10.07					
	01/21/92	sheen	6.07	10.64	14,000	4,000	190	630	1,300
	02/20/92#	NLPH	4.33	11.38					
	03/19/92#	sheen	4.33	11.38					
	04/24/92	sheen	5.32	11.39	12,000	2,600	120	620	530
	05/13/92#	sheen	5.61	11.10					
	06/24/92#	NLPH	6.17	10.54					
	07/16/92	sheen	6.25	10.46	20,000	4,000	48	380	720
	08/19/92#	sheen	6.53	10.18					
	09/24/92	sheen	6.80	9.91	9,300	2,200	31	330	250
	02/05/93b#	NLPH	4.70	12.01					
	04/30/93	sheen	5.48	11.23	30,000	5,300	450	1,900	1,500
	05/14/93#	NLPH	7.31	9.40					
	07/15/93#	0.07	7.33	9.34					
	10/21/93#	NM	7.25	9.46					
	11/15/93#	0.04	8.42	8.32					
	11/30/93#	—	8.10	8.61					
	12/17/93#	NM	7.43	9.28					
	01/31/94#	NM	5.95	10.76					
	02/24-25/94#	sheen	6.23	10.48					
MW-6 (17.56)	01/17/89	NLPH	5.59	11.97	38,000	7,400	9,300	2,000	9,900
	01/24/89#	NLPH	5.27	12.29					
	06/01/89	sheen	6.25	11.31	23,000	1,300	2,500	2,000	6,000
	09/18/89	NLPH	6.95	10.61	17,000	650	410	650	320
	10/20/89#	NLPH	7.24	10.32					
	11/22/89#	NLPH	7.05	10.51					
	12/11/89	NLPH	6.63	10.93	29,000	1,100	810	330	1,500
	02/13/90#	NLPH	5.70	11.36					

See notes on page 11 of 11.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station No. 7-0104
1725 Park Street
Alameda, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		<	feet	>	<	parts per billion		....	>
MW-6 cont. (17.56)	03/07/90#	NM	NM	—					
	03/13/90	NLPH	5.63	11.93	38,000	12,000	15,000	2,500	12,000
	04/18/90#	NLPH	6.26	11.30					
	05/23/90#	NLPH	6.42	11.14					
	06/14/90	NLPH	6.19	11.37	38,000	9,100	7,300	2,300	12,000
	08/21/90#	NLPH	7.01	10.55					
	09/19/90	NLPH	7.23	10.33	22,000	4,200	300	1,400	3,400
	12/17/90	NLPH	6.36	10.30	20,000	3,100	4,100	390	2,700
	01/31/91#	NLPH	6.39	11.17					
	02/25/91#	NLPH	6.39	11.17					
	03/19/91	NLPH	5.57	11.99	180,000	11,000	55,000	5,600	28,000
	04/22/91#	NLPH	5.42	12.14					
	05/17/91#	NLPH	5.73	11.23					
	07/24/91	NLPH	6.72	10.34	48,000	5,400	2,200	2,000	9,000
	09/10/91#	NLPH	7.15	10.41					
	09/23/91#	NLPH	7.25	10.31					
	10/21/91#	NLPH	7.42	10.14					
	10/22/91	NM	NM	—	18,000	3,100	700	1,400	2,900
	11/18/91#	NLPH	7.08	10.48					
	12/11/91#	NLPH	7.17	10.39					
	01/21/92	NLPH	6.40	11.16	9,400	2,100	370	1,000	1,100
	02/20/92#	NLPH	5.06	12.50					
	03/19/92#	NLPH	4.36	12.70					
	04/24/92	NLPH	5.44	12.12	42,000	3,500	3,000	2,100	8,000
	05/13/92#	NLPH	5.33	11.73					
	06/24/92#	NLPH	6.50	11.06					
	07/16/92	NLPH	6.38	10.38	14,000	1,600	1,000	1,000	2,300
	08/19/92#	NLPH	7.00	10.56					
	09/24/92	NLPH	7.28	10.28	4,700	790	97	640	540
	02/05/93	NLPH	4.34	12.72	25,000	2,500	4,300	1,700	5,300
	04/30/93	NLPH	5.69	11.37	9,600	1,000	470	1,100	1,600
	05/14/93#	NLPH	6.52	11.04					
	07/15/93	NLPH	7.51	10.05	4,600	250	72	540	650
	10/21/93#	NM	7.85	9.71					
	11/16/93	NLPH	8.29	9.27	410	41	12	47	71
	11/30/93#	NM	8.08	9.48					
	12/17/93#	NM	7.27	10.29					
	01/31/94#	NM	6.62	10.94					
	02/24-25/94	NLPH	6.23	11.33	4,300	190	190	300	460

See notes on page 11 of 11.

TABLE 1

CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Exxon Service Station No. 7-0104

1725 Park Street

Alameda, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		<	feet	...... >	<		parts per billion	....	>
MW-7	01/09/90	NM	NM	—	17,000	330	130	330	1,300
(17.12)	02/13/90#	NLPH	4.38	12.74					
	03/13/90	NLPH	4.34	12.78	16,000	360	270	33	460
	05/23/90#	NLPH	5.37	11.75					
	06/14/90	NLPH	5.55	11.57	14,000	1,200	2,300	75	930
	09/19/90	NLPH	6.79	10.33	16,000	2,300	95	2,500	1,700
	12/17/90	NLPH	6.15	10.97	75,000	2,600	7,000	3,300	14,000
	01/31/91#	NLPH	6.64	10.48					
	02/25/91#	NLPH	5.80	11.32					
	03/19/91	NLPH	4.96	12.16	44,000	1,600	740	3,400	3,300
	04/22/91#	NLPH	4.82	12.30					
	05/17/91#	NLPH	5.78	11.34					
	07/24/91	NLPH	6.82	10.30	18,000	1,300	160	2,700	1,000
	09/10/91#	NLPH	6.71	10.41					
	09/23/91#	NLPH	6.84	10.28					
	10/21/91#	NLPH	7.00	10.12					
	10/22/91	—	—	—	10,000	390	26	1,300	490
	11/18/91#	NLPH	6.56	10.56					
	12/11/91#	NLPH	6.68	10.44					
	01/21/92	NLPH	5.99	11.13	23,000	2,200	3,000	1,300	6,100
	02/20/92#	NLPH	4.36	12.76					
	03/19/92#	NLPH	4.82	12.30					
	04/24/92	NLPH	4.84	12.28	25,000	1,400	220	2,100	2,500
	05/13/92#	NLPH	5.74	11.38					
	06/24/92#	NLPH	6.04	11.08					
	07/16/92	NLPH	6.19	10.93	8,700	470	45	970	36
	08/19/92#	NLPH	6.55	10.57					
	09/24/92	NLPH	6.83	10.29	9,200	560	48	1,300	54
	02/05/93	NLPH	4.11	13.01	33,000	1,100	2,300	1,200	4,200
	04/30/93b	NLPH	5.79	11.33	13,000	240	85	710	320
	05/14/93#	NLPH	5.91	11.21					
	07/15/93	NLPH	7.07	10.05	6,900	200	30	500	48
	10/21/93#	NM	7.55	9.57					
	11/16/93	NLPH	7.85	9.27	7,400	300	35	480	120
	11/30/93#	NM	7.66	9.46					
	12/17/93#	NM	6.75	10.37					
	01/31/94#	NM	6.82	10.30					
	02/24-25/94	NLPH	5.62	11.50	7,200	470	120	400	330

See notes on page 11 of 11.

TABLE 1

CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Exxon Service Station No. 7-0104

1725 Park Street

Alameda, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		<	feet	>	<	parts per billion	....		>
MW-8 (16.33)	05/14/93	NLPH	6.54	9.79	<50	<0.5	<1.0	<0.5	<0.5
	07/15/93	NLPH	6.57	9.76	<50	<0.5	<0.5	<0.5	<0.5
	10/21/93#	NM	6.83	9.50					
	11/16/93	NLPH	7.15	9.18	<50	<0.5	<0.5	<0.5	<0.5
	11/30/93	—	6.94	9.39	—	—	—	—	—
	12/17/93#	NM	6.48	9.85					
	01/31/94#	NM	6.13	10.20					
	02/24-25/94	NLPH	5.80	10.53	<50	<0.5	<0.5	<0.5	<0.5
MW-9 (15.92)	05/14/93	NLPH	6.91	9.01	<50	<0.5	<1.0	<0.5	<0.5
	07/15/93	NLPH	6.59	9.33	<50	<0.5	<0.5	<0.5	<0.5
	10/21/93#	NM	6.37	9.55					
	11/16/93	NLPH	7.12	8.80	<50	<0.5	<0.5	<0.5	<0.5
	11/30/93	—	6.38	9.54	—	—	—	—	—
	12/17/93#	NM	6.55	9.37					
	01/31/94#	NM	6.71	9.21					
	02/24-25/94	NLPH	6.75	9.17	<50	<0.5	<0.5	<0.5	<0.5
MW-10 (16.79)	05/14/93	NLPH	6.91	9.88	97	<0.5	<0.5	9.3	22
	07/15/93	NLPH	7.47	9.32	160	<0.5	<0.5	15	19
	10/21/93#	NM	7.57	9.22					
	11/16/93	NLPH	8.17	8.62	<50	<0.5	<0.5	<0.5	<0.
	11/30/93	—	7.96	8.83	—	—	—	—	—
	12/17/93#	NM	7.25	9.54					
	01/31/94#	NM	6.66	10.13					
	02/24-25/94	NLPH	6.53	10.26	230	<0.5	<0.5	12	7.
EW-1 (16.22)	10/21/93#	NM	6.67	9.55					
	12/17/93#	NM	10.09	6.13					
	01/31/94#	NM	5.88	10.34					
	02/24-25/94	NLPH	5.68	10.54	1,000	140	4.5	15	120
EW-2 (16.05)	10/21/93#	NM	6.71	9.34					
	12/17/93#	NM	14.95	1.10					
	01/31/94#	NM	5.35	10.70					
	02/24-25/94	LPH	14.30	1.75	5,200	1,200	390	63	410
EW-3 (16.02)	10/21/93#	NM	6.55	9.47					
	12/17/93#	NM	15.65	0.37					
	01/31/94#	NM	5.34	10.68					
	02/24-25/94	NLPH	21.00	-4.98	91	<0.5	<0.5	<0.5	<0.

See notes on page 11 of 11.

TABLE 1

CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Exxon Service Station No. 7-0104

1725 Park Street

Alameda, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		< feet >			< parts per billion >				
EW-1 (15.61)	10/21/93#	NM	5.13	9.48					
	12/17/93#	NM	14.60	1.01					
	01/31/94#	NM	5.08	10.53					
	02/24-25/94	LPH	14.38	0.73	4,600	1,900	140	13	450
EW-3 (16.31)	10/21/93#	NM	5.77	9.74					
	12/17/93#	NM	14.20	2.31					
	01/31/94#	NM	5.64	10.37					
	02/24-25/94	NLPH	11.35	4.66	1,000	140	45	3.4	190
Field Blanks	12/11/89	—	—	—	<50	0.38	0.95	0.62	1.7
	12/17/90	—	—	—	<50	<0.5	<0.5	<0.5	<0.5
	03/19/91	—	—	—	<50	<0.5	<0.5	<0.5	<0.5
	07/24/91	—	—	—	<50	<0.5	<0.5	<0.5	<0.5
	10/22/91	—	—	—	<50	<0.5	<0.5	<0.5	<0.5
	01/21/92	—	—	—	<50	<0.5	<0.5	<0.5	<0.5
	07/16/92	—	—	—	<50	<0.5	<0.5	<0.5	<0.5
Travel Blanks	06/14/90	—	—	—	<50	<0.5	<0.5	<0.5	<0.5
	09/19/90	—	—	—	<50	0.3	<0.5	0.5	1.0
	04/24/92	—	—	—	<50	<0.5	<0.5	<0.5	<0.5
	09/24/92	—	—	—	230	<0.5	<0.5	<0.5	<0.5
	Maximum Contaminant Levels (MCLs) (DHS)				—	1.0	—	680	1,750
	Drinking Water Action Level (DWAL) (DHS)				—	—	100	—	—

See notes on page 11 of 11.

TABLE 1

CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Exxon Service Station No. 7-0104

1725 Park Street

Alameda, California

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

Notes:

TOC	=	Elevation of top of well casing; datum is mean sea level, revised February 10, 1994.
SUBJ	=	Results of subjective evaluation, liquid-phase product thickness (FT) in feet
DTW	=	Depth to water
Elev.	=	Elevation of groundwater; datum is mean sea level; adjusted for free-phase petroleum hydrocarbons when present using the equation: Elev. = TOC - [DTW + (FT * 0.3)] where FT is the product thickness
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA method 5030/8015
BTEX	=	Benzene, Toluene, Ethylbenzene, and total Xylenes analyzed using EPA method 5030/8020
NM	=	Not Monitored
NLPH	=	No liquid-phase petroleum hydrocarbons present in well
LPH	=	Liquid-phase petroleum hydrocarbons present in well, thickness not measured, or not measurable.
NA	=	Well not accessible on this date
<	=	Less than the indicated detection limit shown by the laboratory
—	=	Not applicable
≠	=	Well not sampled on this date
a	=	03/07/90 sampling: Total Dissolved Solids were detected in samples from MW-1 and MW-4 at 910 parts-per-million (ppm) and 370 ppm, respectively.
b	=	a peak eluding before benzene was present in the groundwater samples from MW-3 and MW-7, and is suspected to be methyl-tert-butyl-ether (MTBE).

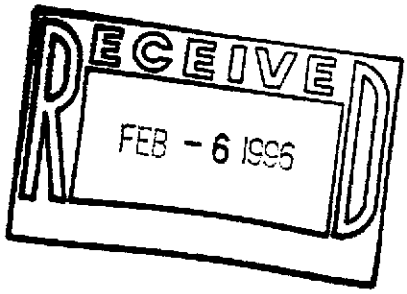
ENCLOSURE C

Laboratory Analytical Report

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

February 2, 1996



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

Client Project ID: Exxon #7-0104, Alameda, CA
Sequoia Project ID: 6010932

Enclosed are the analytical results for samples received by Sequoia Analytical on January 25, 1996. The following table lists Sequoia's sample number with your corresponding sample identification.

Sequoia Sample #	Client sample Identification	Date Sampled	Analysis Requested
6010932	Water, MW-8	1/24/96	TPH Gas/BTEX w/MTBE
6010933	Water, MW-9	1/24/96	TPH Gas/BTEX w/MTBE
6010934	Water, MW-11	1/24/96	TPH Gas/BTEX w/MTBE
6010935	Water, MW-12	1/24/96	TPH Gas/BTEX w/MTBE
6010936	Water, MW-10	1/24/96	TPH Gas/BTEX w/MTBE
6010937	Water, MW-5	1/24/96	TPH Gas/BTEX w/MTBE
6010938	Water, MW-2	1/24/96	TPH Gas/BTEX w/MTBE
6010939	Water, MW-3	1/24/96	TPH Gas/BTEX w/MTBE
6010940	Water, MW-6	1/24/96	TPH Gas/BTEX w/MTBE
6010941	Water, MW-4	1/24/96	TPH Gas/BTEX w/MTBE
6010942	Water, MW-7	1/24/96	TPH Gas/BTEX w/MTBE
6010943	Water, MW-1	1/24/96	TPH Gas/BTEX w/MTBE
6010944	Water, EW-3	1/24/96	TPH Gas/BTEX w/MTBE
6010945	Water, EW-4	1/24/96	TPH Gas/BTEX w/MTBE
6010946	Water, EW-5	1/24/96	TPH Gas/BTEX w/MTBE
6010947	Water, EW-2	1/24/96	TPH Gas/BTEX w/MTBE
6010948	Water, EW-1	1/24/96	TPH Gas/BTEX w/MTBE

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Sequoia will maintain custody of these samples for six weeks from date of receipt. At that time, samples will be disposed according to Sequoia's waste protocol. If you need to make other arrangements for these samples, please notify Sequoia prior to that time.

We would like to take this opportunity to thank you for choosing Sequoia Analytical for your project needs. If you have any questions regarding this project or any other analytical needs, please contact me at (916) 921-9600.

Sincerely,

SEQUOIA ANALYTICAL

Linda C. Schneider
Project Manager/Sacramento Laboratory

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Delta Environmental Consultants	Client Project ID:	Exxon #7-0104, Alameda, CA	Sampled: Jan 24, 1996
3164 Gold Camp Dr., Suite 200	Sample Matrix:	Water	Received: Jan 25, 1996
Rancho Cordova, CA 95670	Analysis Method:	EPA 5030/8015/8020	Reported: Feb 2, 1996
Attention: Linda McGahan	First Sample #:	601-0932	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 601-0932 MW-8	Sample I.D. 601-0933 MW-9	Sample I.D. 601-0934 MW-11	Sample I.D. 601-0935 MW-12	Sample I.D. 601-0936 MW-10	Sample I.D. 601-0937 MW-5
Purgeable Hydrocarbons	50	N.D.	N.D.	44,000	N.D.	760	10,000
Benzene	0.50	N.D.	N.D.	3,800	N.D.	1.6	2,400
Toluene	0.50	N.D.	N.D.	1,200	N.D.	0.52	79
Ethyl Benzene	0.50	N.D.	N.D.	2,100	N.D.	62	340
Total Xylenes	0.50	N.D.	N.D.	9,800	N.D.	28	190
Chromatogram Pattern:		--	--	Gasoline C6-C12	--	Weathered Gasoline >C7	Gasoline C6-C12

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	100	1.0	1.0	100
Date Analyzed:	01/25/96	01/25/96	01/25/96	01/25/96	01/25/96	01/25/96
Instrument Identification:	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	96	103	117	105	108	105

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
Project Manager/Sacramento Laboratory

6010932.DLT <1>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Delta Environmental Consultants	Client Project ID:	Exxon #7-0104, Alameda, CA	Sampled:	Jan 24, 1996
3164 Gold Camp Dr., Suite 200	Sample Matrix:	Water	Received:	Jan 25, 1996
Rancho Cordova, CA 95670	Analysis Method:	EPA 5030/8015/8020	Reported:	Feb 2, 1996
Attention: Linda McGahan	First Sample #:	601-0938		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 601-0938 MW-2	Sample I.D. 601-0939 MW-3	Sample I.D. 601-0940 MW-6	Sample I.D. 601-0941 MW-4	Sample I.D. 601-0942 MW-7	Sample I.D. 601-0943 MW-1
Purgeable Hydrocarbons	50	30,000	3,000	31,000	6,300	9,300	740
Benzene	0.50	5,000	730	560	1,900	2,000	21
Toluene	0.50	810	15	1,500	46	390	1.4
Ethyl Benzene	0.50	2,200	190	2,200	290	350	38
Total Xylenes	0.50	2,200	110	7,500	330	230	3.1
Chromatogram Pattern:		Gasoline C6-C12	Gasoline C6-C12	Gasoline C6-C12	Gasoline C6-C12	Gasoline C6-C12	Gasoline C6-C12

Quality Control Data

Report Limit Multiplication Factor:	200	20	100	40	40	1.0
Date Analyzed:	01/25/96	01/26/96	01/26/96	01/29/96	01/26/96	01/29/96
Instrument Identification:	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	91	104	76	89	103	105

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
Project Manager/Sacramento Laboratory

6010932.DLT <2>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Delta Environmental Consultants	Client Project ID:	Exxon #7-0104, Alameda, CA	Sampled: Jan 24, 1996
3164 Gold Camp Dr., Suite 200	Sample Matrix:	Water	Received: Jan 25, 1996
Rancho Cordova, CA 95670	Analysis Method:	EPA 5030/8015/8020	Reported: Feb 2, 1996
Attention: Linda McGahan	First Sample #:	601-0944	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 601-0944 EW-3	Sample I.D. 601-0945 EW-4	Sample I.D. 601-0946 EW-5	Sample I.D. 601-0947 EW-2	Sample I.D. 601-0948 EW-1
Purgeable Hydrocarbons	50	120	220	2,500	1,700	64
Benzene	0.50	16	79	280	290	4.3
Toluene	0.50	N.D.	2.5	66	82	N.D.
Ethyl Benzene	0.50	N.D.	2.9	22	14	1.3
Total Xylenes	0.50	N.D.	10	370	170	0.53
Chromatogram Pattern:		Gasoline <C7 w/discrete peak	Gasoline C6-C12	Gasoline C6-C12	Gasoline C6-C12	Gasoline C6-C12

Quality Control Data

Report Limit Multiplication Factor:	1.0	2.0	20	20	1.0
Date Analyzed:	01/26/96	01/29/96	01/26/96	01/26/96	01/29/96
Instrument Identification:	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	113	96	105	106	99

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
Project Manager/Sacramento Laboratory

6010932.DLT <3>

Sequoia Analytical

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Delta Environmental Consultants	Client Project ID:	Exxon #7-0104, Alameda, CA	Sampled: Jan 24, 1996
3164 Gold Camp Dr., Suite 200	Sample Matrix:	Water	Received: Jan 25, 1996
Rancho Cordova, CA 95670	Analysis Method:	EPA 5030/8020 Modified	Reported: Feb 2, 1996
Attention: Linda McGahan	First Sample #:	601-0932	

MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 601-0932 MW-8	Sample I.D. 601-0933 MW-9	Sample I.D. 601-0934 MW-11	Sample I.D. 601-0935 MW-12	Sample I.D. 601-0936 MW-10	Sample I.D. 601-0937 MW-5
MTBE	5.0	N.D.	N.D.	N.D.	N.D.	24	20,000

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	100	1.0	1.0	400
Date Analyzed:	01/25/96	01/25/96	01/25/96	01/25/96	01/25/96	01/29/96
Instrument Identification:	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Surrogate Recovery: (QC Limits = 70-130%)	96	103	117	105	108	97

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

SEQUOIA ANALYTICAL, ELAP #1624

Linda C. Schneider
Project Manager/Sacramento Laboratory

6010932.DLT <4>

Sequoia Analytical

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Delta Environmental Consultants	Client Project ID:	Exxon #7-0104, Alameda, CA	Sampled:	Jan 24, 1996
3164 Gold Camp Dr., Suite 200	Sample Matrix:	Water	Received:	Jan 25, 1996
Rancho Cordova, CA 95670	Analysis Method:	EPA 5030/8020 Modified	Reported:	Feb 2, 1996
Attention: Linda McGahan	First Sample #:	601-0938		

MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 601-0938 MW-2	Sample I.D. 601-0939 MW-3	Sample I.D. 601-0940 MW-6	Sample I.D. 601-0941 MW-4	Sample I.D. 601-0942 MW-7	Sample I.D. 601-0943 MW-1
MTBE	5.0	4100	N.D.	N.D.	830	60,000	440

Quality Control Data

Report Limit Multiplication Factor:	200	20	1.0	20	1,000	20
Date Analyzed:	01/25/96	01/26/96	01/26/96	01/26/96	01/29/96	01/26/96
Instrument Identification:	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Surrogate Recovery: (QC Limits = 70-130%)	91	104	76	101	95	96

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

SEQUOIA ANALYTICAL, ELAP #1624

Linda C. Schneider
Project Manager/Sacramento Laboratory

6010932.DLT <5>

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Delta Environmental Consultants	Client Project ID:	Exxon #7-0104, Alameda, CA	Sampled: Jan 24, 1996
3164 Gold Camp Dr., Suite 200	Sample Matrix:	Water	Received: Jan 25, 1996
Rancho Cordova, CA 95670	Analysis Method:	EPA 5030/8020 Modified	Reported: Feb 2, 1996
Attention: Linda McGahan	First Sample #:	601-0944	

MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 601-0944 EW-3	Sample I.D. 601-0945 EW-4	Sample I.D. 601-0946 EW-5	Sample I.D. 601-0947 EW-2	Sample I.D. 601-0948 EW-1
MTBE	5.0	2,300	9,200	350	6,400	260

Quality Control Data

Report Limit Multiplication Factor:	20	1.0	1.0	100	5.0
Date Analyzed:	01/26/96	01/26/96	01/26/96	01/26/96	01/26/96
Instrument Identification:	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Surrogate Recovery: (QC Limits = 70-130%)	97	97	105	91	107

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

6010932.DLT <6>

Sequoia Analytical

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

Client Project ID: Exxon #7-0104, Alameda, CA
Matrix: Water
QC Sample Group 6010932-48

Reported: Feb 2, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	B.W./C.C.	B.W./C.C.	B.W./C.C.	B.W./C.C.
Concentration Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
LCS Batch#:	LCS012596	LCS012596	LCS012596	LCS012596
Date Prepared:	01/25/96	01/25/96	01/25/96	01/25/96
Date Analyzed:	01/25/96	01/25/96	01/25/96	01/25/96
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
LCS % Recovery:	98	102	103	101
Control Limits:	75-125	75-125	75-125	75-125
MS/MSD Batch #:	BS012596	BS012596	BS012596	BS012596
Date Prepared:	01/25/96	01/25/96	01/25/96	01/25/96
Date Analyzed:	01/25/96	01/25/96	01/25/96	01/25/96
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Matrix Spike % Recovery:	98	102	103	102
Matrix Spike Duplicate % Recovery:	89	94	96	93
Relative % Difference:	9.6	8.2	7.0	9.2

SEQUOIA ANALYTICAL

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.

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

Client Project ID: Exxon #7-0104, Alameda, CA
Matrix: Water
QC Sample Group 6010932-48

Reported: Feb 2, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	B.W./C.C.	B.W./C.C.	B.W./C.C.	B.W./C.C.
Concentration Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
LCS Batch#:	LCS012696	LCS012696	LCS012696	LCS012696
Date Prepared:	01/26/96	01/26/96	01/26/96	01/26/96
Date Analyzed:	01/26/96	01/26/96	01/26/96	01/26/96
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
LCS % Recovery:	95	97	100	100
Control Limits:	75-125	75-125	75-125	75-125
MS/MSD Batch #:	BS012696	BS012696	BS012696	BS012696
Date Prepared:	01/26/96	01/26/96	01/26/96	01/26/96
Date Analyzed:	01/26/96	01/26/96	01/26/96	01/26/96
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Matrix Spike % Recovery:	92	93	95	95
Matrix Spike Duplicate % Recovery:	96	96	100	99
Relative % Difference:	4.2	3.2	5.1	4.1

SEQUOIA ANALYTICAL

Linda C. Schneider
Project Manager/Sacramento Laboratory

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

Client Project ID: Exxon #7-0104, Alameda, CA
Matrix: Water
QC Sample Group 6010932-48

Reported: Feb 2, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	B.W./C.C.	B.W./C.C.	B.W./C.C.	B.W./C.C.
Concentration Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
LCS Batch#:	LCS012996	LCS012996	LCS012996	LCS012996
Date Prepared:	01/29/96	01/29/96	01/29/96	01/29/96
Date Analyzed:	01/29/96	01/29/96	01/29/96	01/29/96
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
LCS % Recovery:	91	96	101	100
Control Limits:	75-125	75-125	75-125	75-125
MS/MSD Batch #:	6010949	6010949	6010949	6010949
Date Prepared:	01/29/96	01/29/96	01/29/96	01/29/96
Date Analyzed:	01/29/96	01/29/96	01/29/96	01/29/96
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Matrix Spike % Recovery:	85	89	94	93
Matrix Spike Duplicate % Recovery:	81	88	93	89
Relative % Difference:	4.8	1.1	1.1	4.4

SEQUOIA ANALYTICAL

Linda C. Schneider
Project Manager/Sacramento Laboratory

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

Client Project ID: Exxon #7-0104, Alameda, CA
Matrix: Water
QC Sample Group 6010932-48

Reported: Feb 2, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	B. Williams	B. Williams	B. Williams	B. Williams
Concentration Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
LCS Batch#:	LCS013096	LCS013096	LCS013096	LCS013096
Date Prepared:	01/30/96	01/30/96	01/30/96	01/30/96
Date Analyzed:	01/30/96	01/30/96	01/30/96	01/30/96
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
LCS % Recovery:	103	104	106	107
Control Limits:	75-125	75-125	75-125	75-125
MS/MSD Batch #:	BS013096	BS013096	BS013096	BS013096
Date Prepared:	01/30/96	01/30/96	01/30/96	01/30/96
Date Analyzed:	01/30/96	01/30/96	01/30/96	01/30/96
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Matrix Spike % Recovery:	102	97	100	100
Matrix Spike Duplicate % Recovery:	90	91	94	92
Relative % Difference:	13	6.4	6.2	8.3

SEQUOIA ANALYTICAL

Linda C. Schneider
Project Manager/Sacramento Laboratory

Please Note:
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(415) 364-9600 • FAX (415) 364-9233

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Consultant's Name: Delta Environmental Consultants			**Page** 2 **of** 2
Address: 3164 Gold Camp Dr. Rancho Cordova			**Site Location:** Orinda
Project #:	**Consultant Project #:** 2041-832		**Consultant Work Release #:** 19932522
Project Contact: Liz McCollam	**Phone #:** 638-2085		**Laboratory Work Release #:**
EXXON Contact: Marla Cleveland	**Phone #:**		**EXXON RAS #:** 7-0104
Sampled by (print): Jay Stoops	**Sampler's Signature:**		
Shipment Method: Sequoia	**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
MW-8	1-24-96	1175	H2O	HCl	3	5601-0932	X			X		
MW-9		1140				0933						
MW-11		1150				0934						
MW-12		1200				0935						
MW-10		1215				0936						
MW-5		1250				0937						
MW-2		1240				0938						
MW-3		1250				0939						
MW-6		1300				0940						

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Delta	1/25/96	1455	John Yowell/Sequoia	1/25/96	1455	
John Yowell/Sequoia	1/25/96	1530	Sandi Hansen/Sequoia	1/25/96	1530	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical
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Redwood City, CA 94063
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EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Page 2 of 2

Consultant's Name: Delta Environmental Consultants		
Address: 3164 Gold Camp Dr. Rancho Cordova		Site Location: Alameda
Project #:	Consultant Project #: 2094-832	Consultant Work Release #: 19932522
Project Contact: Lin McGahan	Phone #: 638-2085	Laboratory Work Release #:
EXXON Contact: Marla Guerrero	Phone #:	EXXON RAS #: 7-0104
Sampled by (print): Jay Stoops	Sampler's Signature:	
Shipment Method: Sequoia	Air Bill #:	

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

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	ANALYSIS REQUIRED: TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520	MTBE		Temperature: ____ Inbound Seal: Yes No Outbound Seal: Yes No
MW-4	1-24-96	1310	H2O	HCl	3	5001-0941	X			X		
MW-7		1320			3	0942						
MW-1		1330			3	0943						
EW-3		1345			2	0944						
EW-4	~~1350~~	1350			2	0945						
EW-5		1355			2	0946						
EW-2		1405			2	0947						
EW-1		1400			2	0948						

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Jay Stoops / Delta	1/25/96	1455	John Yowell / SEQUOIA	1/25/96	1455	
John Yowell / SEQUOIA	1/25/96	1530	Susi Horal / Sequoia	1/25/96	1530	

Pink - Client
Yellow - Sequoia
White - Sequoia