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

site appears to be impacted by Shell/
Texaco site upgrad.

SVE extraction does not seem too effective
maybe consider ORC in wells
MW-4, 7, 2, 6 - Marla will
be speaking w/ Regina soon.

December 11, 1995

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, Fourth Quarter 1995*** for the above referenced site. This report, prepared by Delta Environmental Consultants, Inc., (Delta) of Rancho Cordova, California, details the results of the October 1995 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 November 28, 1995

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

Delta
Environmental
Consultants, Inc.

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

November 28, 1995

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

Subject: *Quarterly Ground Water Monitoring Report, Fourth Quarter 1995*
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 October 17, 1995. 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 6.38 (MW-12) to 22.87 (EW-3) feet below the top of the well casings. Ground water elevations decreased approximately 0.5 feet from previous measurements collected in August 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 October 17, 1995, is included as Figure 3. The contour map indicates an induced ground water flow direction toward recovery wells EW-2, EW-3, EW-4, and EW-5. The ground water extraction system has induced a hydraulic gradient of approximately 0.4 in the vicinity of the recovery wells. Away from the recovery wells, previous data indicates the ground water flow direction to be towards the northeast.

Subjective Analysis

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

Analytical Results

Ground water samples were collected from each of the monitoring wells on October 17, 1995, 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 fourth quarter 1995 monitoring event indicate that dissolved hydrocarbon constituent concentrations have generally remained unchanged. Detected concentrations of TPH as gasoline ranged from 74 micrograms per liter (μg/L) in the sample from recovery well EW-3 to 45,000 μg/L in the sample from monitoring well MW-2. Detected concentrations of benzene ranged from 1.5 μg/L in the sample collected from recovery well EW-5 to 5,400 μg/L in the sample collected from monitoring well MW-2. Detectable MTBE concentrations ranged from 5.5 μg/L (MW-1) to 38,000 μg/L (MW-5). 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 October 17, 1995, 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 quarterly 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 January 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.

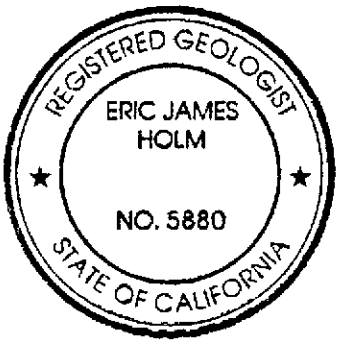
Sincerely,

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 (LRP639.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
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
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
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
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
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

TABLE 1-Continued

GROUND WATER LEVEL DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)*	Depth to Water (ft)	Ground Water Elevation (ft)	Comments
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
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
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
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
MW-11	10/17/95	18.04	7.72	10.32	No LPH or Sheen
MW-12	10/17/95	16.30	6.38	9.92	No LPH or Sheen
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
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

TABLE 1-Continued

GROUND WATER LEVEL DATA

Exxon Retail 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-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
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
			15.89	0.72	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

[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
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
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
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
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
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

TABLE 2-Continued

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-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
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
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
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
MW-11	10/17/95	3,800	150	950	4,500	34,000	890
MW-12	10/17/95	<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

TABLE 2-Continued

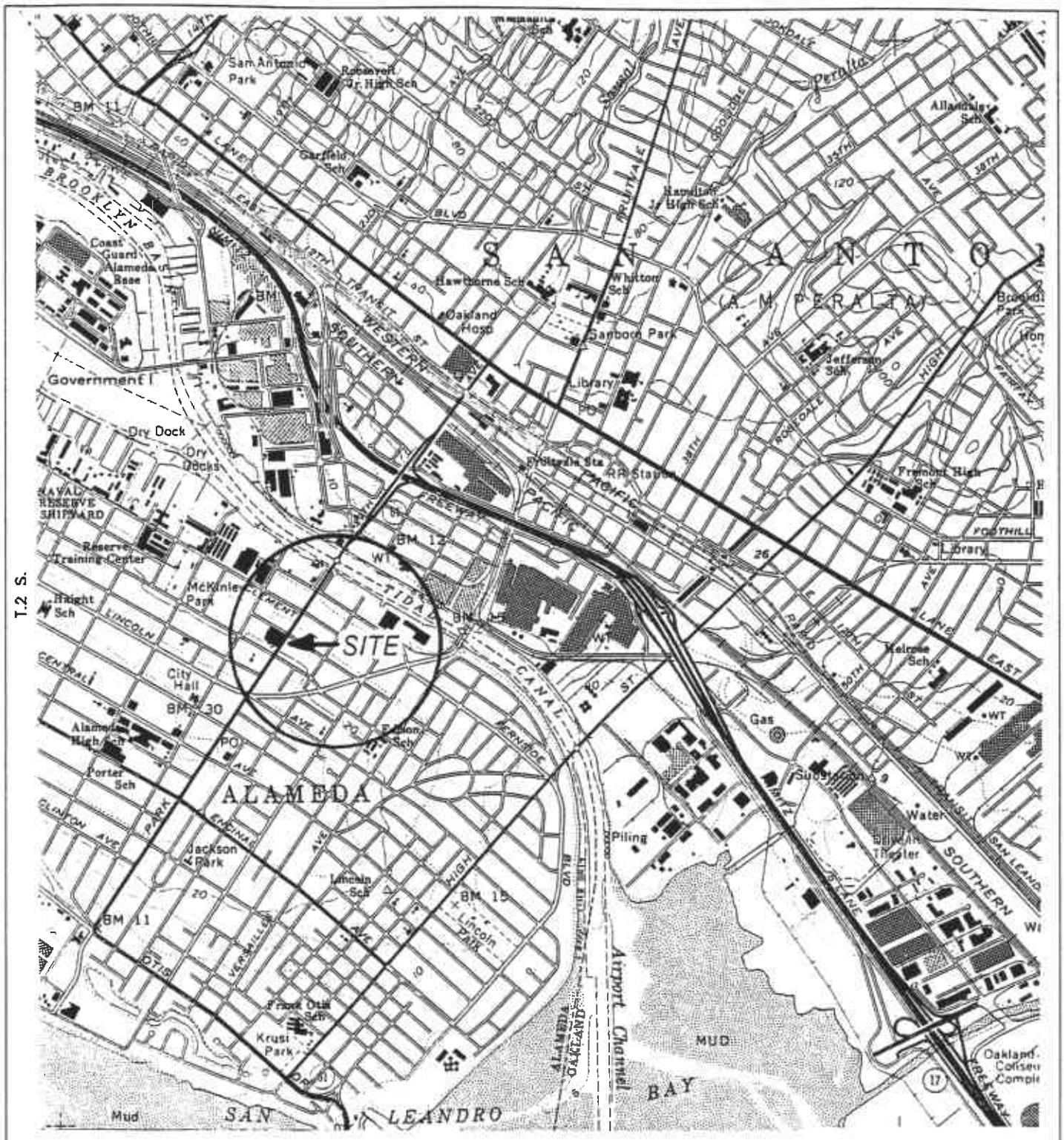
GROUND WATER SAMPLE RESULTS

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]
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
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
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
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

[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

QUADRANGLE LOCATION

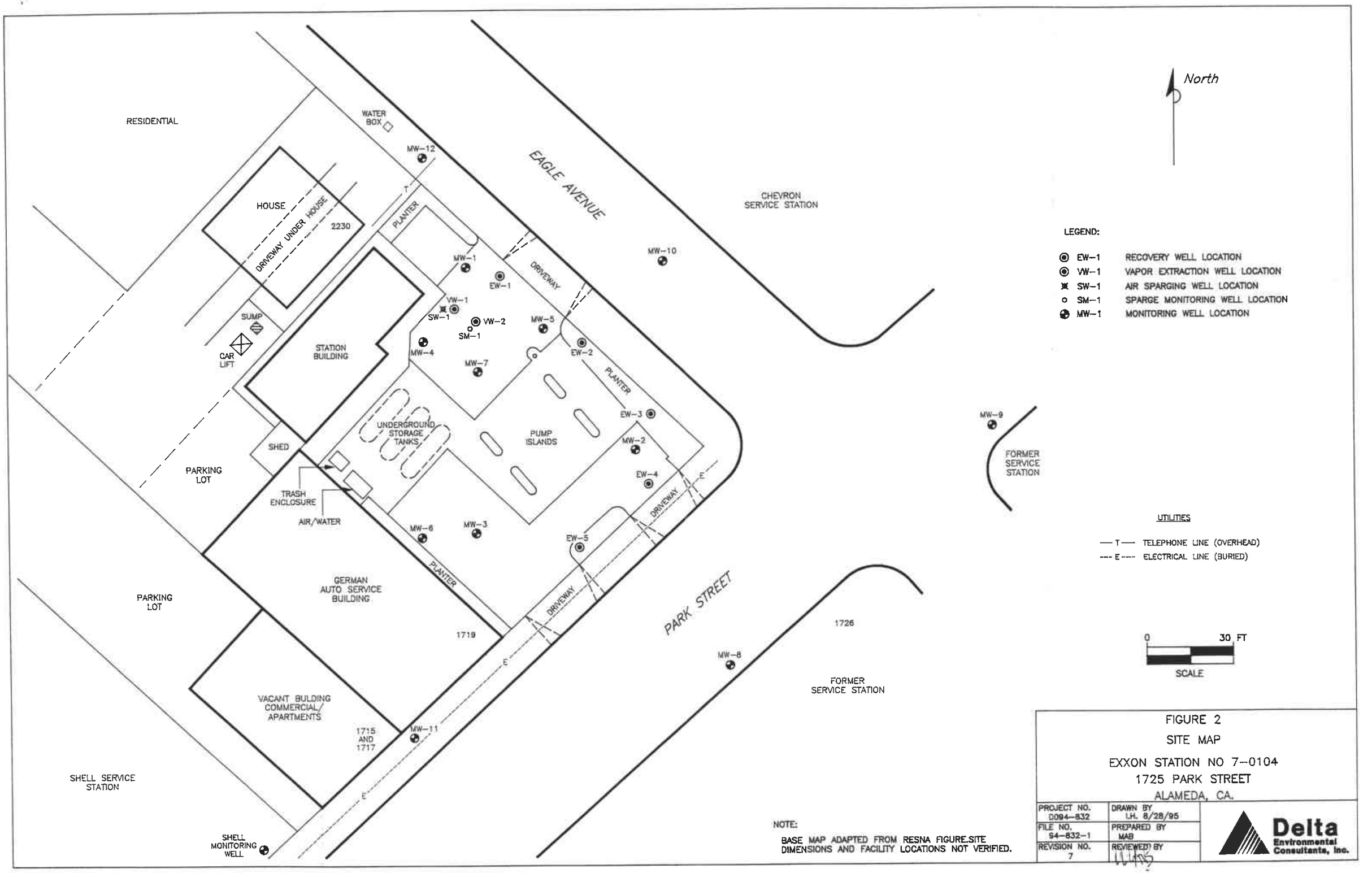
0 2000 FT

SCALE 1 : 24,000

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

PROJECT NO. D094-832	DRAWN BY I.H. 9/27/94
FILE NO. —	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY 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

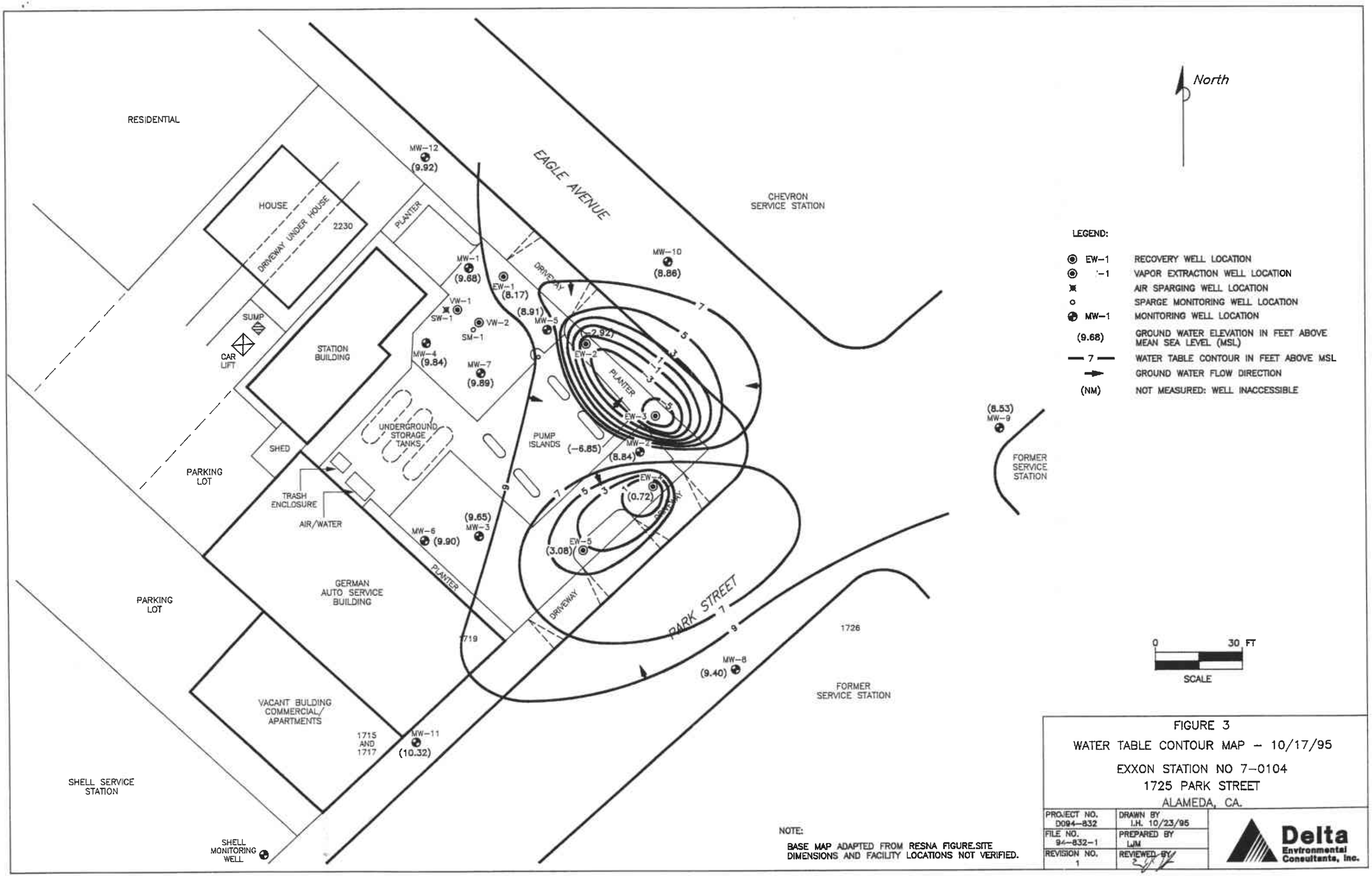
EXXON STATION NO 7-0104

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 – 10/17/95

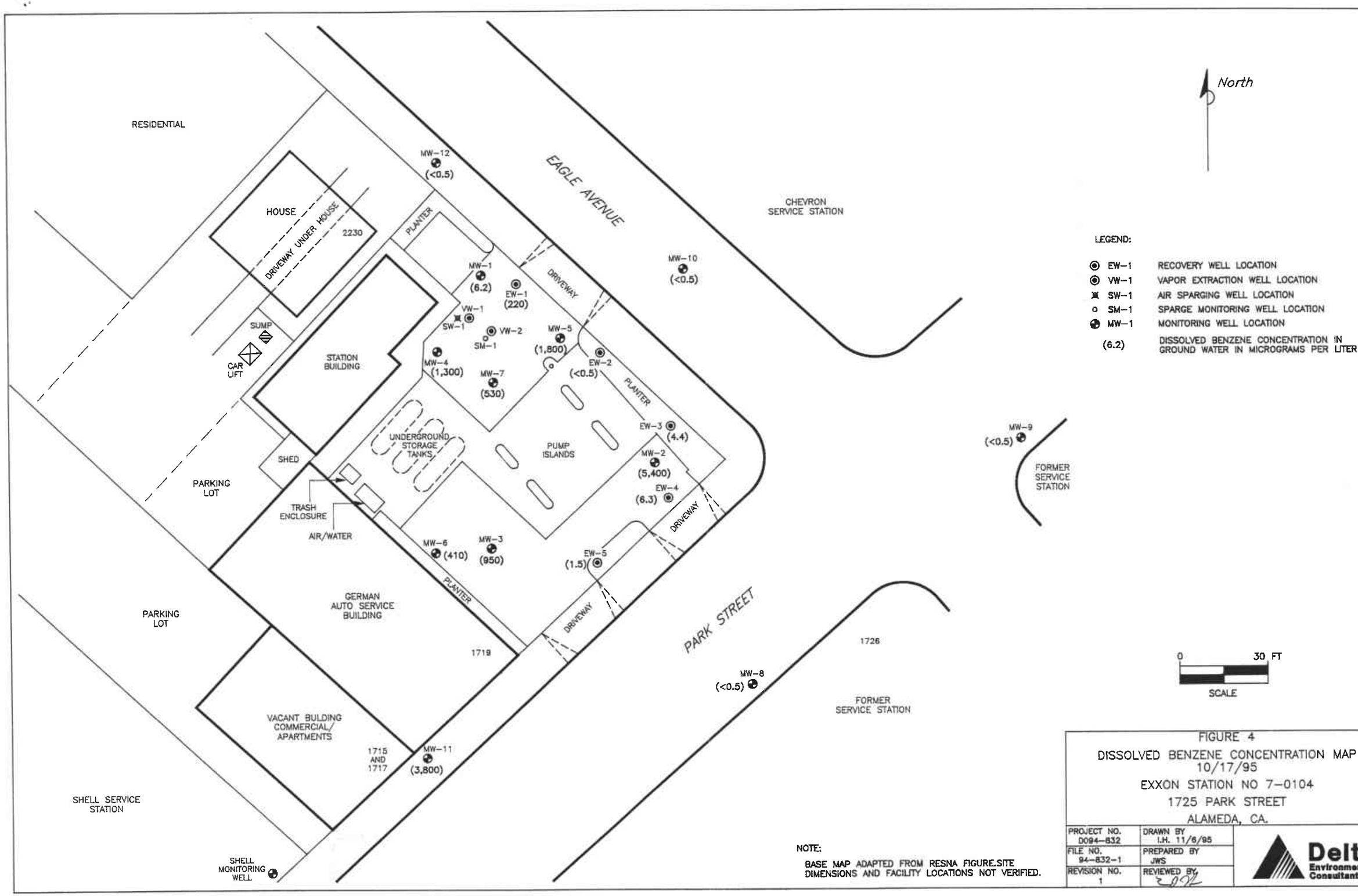
EXXON STATION NO 7-0104

1725 PARK STREET

ALAMEDA, CA.

PROJECT NO. D094-832	DRAWN BY I.H. 10/23/95
FILE NO. 94-832-1	PREPARED BY LJM
REVISION NO. 1	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
10/17/95
EXXON STATION NO 7-0104
1725 PARK STREET
ALAMEDA, CA.

PROJECT NO. D094-832	DRAWN BY I.H. 11/6/95
FILE NO. 94-832-1	PREPARED BY JWS
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	5,000	77	1,100	2,700
	06/10/88#	NLPH	6.35	11.00					
	01/17/89	NLPH	5.81	11.54	6,300	2,000	91	800	1,500
	01/24/89#	NLPH	5.16	12.19					
	06/01/89	sheen	6.27	11.08	1,700	170	6.3	13	230
	09/18/89	NLPH	7.11	10.24	2,100	9.0	55	18	130
	10/20/89#	NLPH	7.28	10.07					
	11/22/89#	NLPH	7.02	10.33	5,300	200	42	290	330
	12/11/89	NLPH	6.60	10.75					
	02/13/90#	NLPH	6.02	11.33					
	03/07/90a#	NM	NM	—	2,300	450	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	27
	09/19/90	NLPH	7.26	10.09	2,100	550	13	350	110
	12/17/90	NLPH	6.75	10.60					
	01/31/91#	NLPH	6.78	10.57					
	02/25/91#	NLPH	6.69	10.76	1,400	900	45	390	150
	03/19/91	NLPH	6.35	11.50					
	04/22/91#	sheen	6.72	11.53					
	05/17/91#	NLPH	6.00	11.35	9,700	1,300	570	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	4.82	12.53					
	03/19/92#	NLPH	5.24	12.11	4,900	1,500	78	660	250
	04/24/92	NLPH	5.71	11.64					
	05/13/92#	NLPH	5.39	11.96					
	06/24/92#	NLPH	6.66	10.70	3,400	1,000	11	350	100
	07/16/92	NLPH	6.72	10.63					
	08/19/92#	NLPH	7.07	10.28				330	<10
	09/24/92	NLPH	7.36	9.99	3,700	1,300	21	1,400	790
	02/05/93	NLPH	5.21	12.14	11,000	2,400	160	340	1,300
	04/30/93	NLPH	5.38	11.47	6,500	330	320		
	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	7,300	270	62	1,100	1,000
	10/21/93#	NM	7.33	9.52					
	11/16/93	NLPH	8.89	8.66	340	18	1.4	72	17
	11/30/93#	NM	8.38	8.89					
	12/17/93#	NM	7.42	9.93					
	01/31/93#	NM	6.37	10.98	810	15	9.0	98	58
	02/24-25/94	NLPH	6.23	10.34					
MW-2 (16.37)	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	6,600	3,300	1,600	7,700
	01/24/89#	NLPH	5.04	11.63					
	06/01/89	sheen	6.32	10.35	3,700	330	280	880	1,200
	09/13/89	NLPH	5.73	9.94	17,000	580	280	570	220
	10/20/89#	NLPH	5.37	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	10.65	39,000	3,500	1,300	2,100	3,900
	04/18/90#	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	3,900
	08/21/90#	NLPH	5.70	9.97					
	09/19/90	NLPH	6.34	9.33	63,000	670	180	330	1,000
	12/17/90	NLPH	6.46	10.21	140,000	3,700	2,500	3,000	3,300
	01/31/91#	sheen	6.66	10.01					
	02/25/91#	NLPH	6.50	10.17					
	03/19/91	sheen	5.76	10.91	48,000	4,500	1,600	2,100	5,500
	04/22/91#	NLPH	5.78	10.89					
	05/17/91#	NLPH	6.01	10.66					
	07/24/91	NLPH	6.43	10.24	49,000	3,500	2,200	2,000	6,400
	09/10/91#	NLPH	6.81	9.86					
	09/23/91#	NLPH	6.82	9.85					
	10/21/91#	NLPH	7.01	9.66					
	10/22/91	—	—	—	34,000	3,700	1,100	1,300	5,200
	11/18/91#	NLPH	6.66	10.01					
	12/11/91#	NLPH	6.85	9.82					
	01/21/92	NLPH	6.22	10.45	21,000	4,600	1,300	1,700	5,100
	02/20/92#	NLPH	5.28	11.39					
	03/19/92#	NLPH	5.34	11.33					
	04/24/92	sheen	5.75	10.92	36,000	5,000	970	2,300	5,200
	05/13/92#	NLPH	5.35	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	3,800	670	1,700	3,200
	09/24/92	sheen	6.74	9.93					
	02/05/93#	0.01	5.56	11.10	280,000	11,000	6,500	6,500	160,000
	04/30/93	sheen	5.78	10.89					
	05/14/93#	NA	NA	—					
	07/15/93#	0.01	7.39	8.79					
	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	6.32	10.35					
	02/24-25/94	NLPH	6.93	9.74	51,000	11,000	1,700	2,700	6,500
MW-3 (17.11)	06/07/88	NM	NM	—	23,000	6,000	30	940	1,300
	06/10/88#	NLPH	6.05	11.06	5,300	2,300	230	530	1,100
	01/17/89	NLPH	5.49	11.62					
	01/24/89#	NLPH	5.38	11.73	5,400	320	300	570	680
	06/01/89	NLPH	5.96	11.15	12,000	880	170	350	360
	09/13/89	NLPH	6.65	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	880	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	10.37					
	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					
	10/22/91	NM	NM	—	23,000	3,400	150	2,500	4,400

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	6.74	10.37					
	12/11/91#	NLPH	6.79	10.32					
	01/21/92	NLPH	6.16	10.95	13,000	2,700	30	1,300	740
	02/20/92#	NLPH	4.39	12.72					
	03/19/92#	NLPH	4.35	12.76					
	04/24/92	NLPH	5.28	11.83	17,000	4,200	170	1,500	600
	05/13/92#	NLPH	5.58	11.53					
	06/24/92#	NLPH	6.22	10.89					
	07/16/92	NLPH	6.36	10.75	11,000	2,700	230	1,100	670
	08/19/92#	NLPH	6.35	10.46					
	09/24/92	NLPH	6.33	10.18	7,100	2,000	44	1,000	220
	02/05/93	NLPH	4.71	12.40	13,000	3,600	110	1,300	430
	04/30/93	NLPH	5.46	11.65	13,000	1,300	370	1,300	1,300
	05/14/93#	NLPH	6.53	10.58					
	07/15/93	NLPH	7.28	9.83	2,100	310	15	230	58
	10/21/93#	NM	7.42	9.69					
	11/16/93	NLPH	8.02	9.09	4,000	400	400	120	490
	11/30/93	—	7.79	9.32	—	—	—	—	—
	12/17/93#	NM	7.13	9.98					
	01/31/94#	NM	6.32	10.79					
	02/24-25/94	NLPH	6.04	11.07	3,300	290	52	150	400
MW-4 (17.34)	01/17/89	NLPH	5.36	11.98	19,000	1,000	1,500	360	2,200
	01/24/89#	NLPH	5.46	11.38					
	06/01/89	NLPH	6.01	11.33	3,300	180	240	53	810
	09/18/89	NLPH	6.30	10.54	6,000	290	200	28	510
	10/20/89#	NLPH	7.08	10.26					
	11/22/89#	NLPH	6.32	10.52					
	12/11/89	NLPH	6.37	10.97	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	11.90	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	760
	08/21/90#	NLPH	6.33	10.31					
	09/19/90	NLPH	7.07	10.27	5,500	670	180	390	1,000
	12/17/90	NLPH	6.50	10.34	14,000	1,400	620	540	2,100
	01/31/91#	NLPH	6.36	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	5.26	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	5.60	11.74	10,000	1,200	440	410	1,200
	07/24/91	NLPH	6.54	10.80					
	09/10/91#	NLPH	7.04	10.30					
	09/23/91#	NLPH	7.14	10.20					
	10/21/91#	sheen	7.30	10.04	4,600	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	1,500
	04/24/92	sheen	6.25	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	1,500	2,900
	04/30/93	NLPH	5.59	11.75					
	05/14/93#	NLPH	6.50	10.84	2,300	440	55	130	220
	07/15/93	NLPH	7.50	9.84					
	10/21/93#	NM	7.77	9.57	5,100	320	160	260	760
	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	26,000	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	870
	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	280	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	6.51	10.20					

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. (16.71)	09/19/90	NLPH	5.70	10.01	3,500	1,300	85	120	460
	12/17/90	sheen	6.24	10.47	18,000	2,300	810	450	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	560	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	690	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	—	6,600	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	630
	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	880	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	5.43	11.28	30,000	5,300	450	1,900	1,500
	05/14/93#	NLPH	7.31	9.40					
	07/15/93#	0.07	7.93	8.34					
	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-8 (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	1,900	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	11.86					

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
(Page 7 of 11)

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	—	38,000	12,000	15,000	2,500	12,000
	03/13/90	NLPH	5.63	11.93					
	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	6.86	10.90	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	11.83					
	07/24/91	NLPH	6.72	10.84	48,000	5,400	2,300	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	4.86	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	6.68	10.88	14,000	1,600	1,000	1,000	2,500
	08/19/92#	NLPH	7.00	10.56					
	09/24/92	NLPH	7.23	10.28	4,700	790	97	540	540
	02/05/93	NLPH	4.34	12.72	26,000	2,500	4,300	1,700	5,300
	04/30/93	NLPH	5.69	11.37	9,600	1,000	410	1,100	1,800
	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	7.35	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 (17.12)	01/09/90	NM	NM	—	17,000	380	180	330	1,300
	02/13/90#	NLPH	4.98	12.14	16,000	360	270	33	460
	03/13/90	NLPH	4.94	12.18					
	05/23/90#	NLPH	5.87	11.25	14,000	1,200	2,300	75	930
	06/14/90	NLPH	5.55	11.57	16,000	2,300	95	2,500	1,700
	09/19/90	NLPH	6.79	10.33	75,000	2,500	7,000	3,300	14,000
	12/17/90	NLPH	6.15	10.97					
	01/31/91#	NLPH	5.64	10.48	44,000	1,500	740	3,400	3,500
	02/25/91#	NLPH	5.30	11.32					
	03/19/91	NLPH	4.96	12.16					
	04/22/91#	NLPH	4.82	12.30	18,000	1,300	150	2,700	1,000
	05/17/91#	NLPH	5.18	11.94					
	07/24/91	NLPH	5.22	10.30					
	09/10/91#	NLPH	6.71	10.41	10,000	990	26	1,300	490
	09/23/91#	NLPH	6.34	10.23					
	10/21/91#	NLPH	7.00	10.12					
	10/22/91	—	—	—					
	11/18/91#	NLPH	6.56	10.56	23,000	2,200	3,000	1,300	6,100
	12/11/91#	NLPH	6.68	10.44					
	01/21/92	NLPH	6.39	11.13					
	02/20/92#	NLPH	4.36	12.76	25,000	1,400	220	2,100	2,500
	03/19/92#	NLPH	4.22	12.90					
	04/24/92	NLPH	4.34	12.78					
	05/13/92#	NLPH	5.24	11.88	8,700	470	45	970	86
	06/24/92#	NLPH	6.04	11.08					
	07/16/92	NLPH	6.19	10.93					
	08/19/92#	NLPH	6.55	10.57	9,200	560	48	1,300	54
	09/24/92	NLPH	6.83	10.29	33,000	1,100	2,300	1,200	4,200
	02/05/93	NLPH	4.11	13.01	13,000	240	85	710	320
	04/30/93b	NLPH	5.29	11.83					
	05/14/93#	NLPH	5.91	11.21	6,900	200	30	500	48
	07/15/93	NLPH	7.07	10.05					
	10/21/93#	NM	7.55	9.57	7,400	300	35	480	120
	11/16/93	NLPH	7.35	9.27					
	11/30/93#	NM	7.96	9.46					
	12/17/93#	NM	6.75	10.37					
	01/31/94#	NM	6.22	10.90	7,200	470	120	400	330
	02/24-25/94	NLPH	5.52	11.60					

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	6.33	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 (15.82)	05/14/93	NLPH	6.61	9.01	<50	<0.5	<1.0	<0.5	<0.5
	07/15/93	NLPH	6.79	9.83	<50	<0.5	<0.5	<0.5	<0.5
	10/21/93#	NM	6.97	8.85					
	11/16/93	NLPH	7.12	8.50	<50	<0.5	<0.5	<0.5	<0.5
	11/30/93	—	6.98	8.64	—	—	—	—	—
	12/17/93#	NM	6.73	8.87					
	01/31/94#	NM	6.71	8.91					
	02/24-25/94	NLPH	6.45	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	<0.5
	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	7.0
EW-1 (16.22)	10/21/93#	NM	6.67	9.55					
	12/17/93#	NM	10.09	6.13					
	01/31/94#	NM	5.38	10.84					
	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-4 (15.31)	10/21/93#	NM	5.13	9.48					
	12/17/93#	NM	14.30	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-5 (16.31)	10/21/93#	NM	6.77	9.74					
	12/17/93#	NM	14.20	2.31					
	01/31/94#	NM	5.54	10.37					
	02/24-25/94	NLPH	11.95	4.56	1,000	140	45	3.4	190
Field Blanks	12/11/89	—	—	—	<50	0.38	0.95	0.52	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	—	—	—	330	<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 (PT) 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 + (PT * 0.8)] where PT 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 eluting before benzene was present in the groundwater samples from MW-5 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

October 29, 1995

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: 5100762

Enclosed are the analytical results for samples received by Sequoia Analytical on October 18, 1995. The following table lists Sequoia's sample number with your corresponding sample identification.

Sequoia Sample #	Client sample Identification	Date Sampled	Analysis Requested
5100762	Water, EW-5	10/17/95	TPH Gas/BTEX MTBE
5100763	Water, EW-4	10/17/95	TPH Gas/BTEX MTBE
5100764	Water, EW-3	10/17/95	TPH Gas/BTEX MTBE
5100765	Water, EW-2	10/17/95	TPH Gas/BTEX MTBE
5100766	Water, EW-1	10/17/95	TPH Gas/BTEX MTBE
5100767	Water, MW-11	10/17/95	TPH Gas/BTEX MTBE
5100768	Water, MW-8	10/17/95	TPH Gas/BTEX MTBE
5100769	Water, MW-9	10/17/95	TPH Gas/BTEX MTBE
5100770	Water, MW-10	10/17/95	TPH Gas/BTEX MTBE
5100771	Water, MW-12	10/17/95	TPH Gas/BTEX MTBE
5100772	Water, MW-7	10/17/95	TPH Gas/BTEX MTBE

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Sequoia Sample #	Client sample Identification	Date Sampled	Analysis Requested
5100773	Water, MW-5	10/17/95	TPH Gas/BTEX MTBE
5100774	Water, MW-2	10/17/95	TPH Gas/BTEX MTBE
5100775	Water, MW-3	10/17/95	TPH Gas/BTEX MTBE
5100776	Water, MW-4	10/17/95	TPH Gas/BTEX MTBE
5100777	Water, MW-1	10/17/95	TPH Gas/BTEX MTBE
5100778	Water, MW-6	10/17/95	TPH Gas/BTEX MTBE

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

Linda C. Schneider
Project Manager

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:	Oct 17, 1995
3164 Gold Camp Dr., Suite 200	Sample Matrix:	Water	Received:	Oct 18, 1995
Rancho Cordova, CA 95670	Analysis Method:	EPA 5030/8015/8020	Reported:	Oct 29, 1995
Attention: Linda McGahan	First Sample #:	510-0762		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 510-0762 EW-5	Sample I.D. 510-0763 EW-4	Sample I.D. 510-0764 EW-3	Sample I.D. 510-0765 EW-2	Sample I.D. 510-0766 EW-1	Sample I.D. 510-0767 MW-11
Purgeable Hydrocarbons	50	78	92	74	180	3,600	34,000
Benzene	0.50	1.5	6.3	4.4	N.D.	220	3,800
Toluene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	150
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	N.D.	160	950
Total Xylenes	0.50	3.0	N.D.	N.D.	5.1	36	4,500
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:	1.0	1.0	1.0	1.0	40	100
Date Analyzed:	10/23/95	10/23/95	10/23/95	10/23/95	10/25/95	10/23/95
Instrument Identification:	GCHP-1	GCHP-1	GCHP-1	GCHP-1	GCHP-2	GCHP-1
Surrogate Recovery, %: (QC Limits = 70-130%)	99	101	105	75	96	94

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

5100762.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:	Oct 17, 1995
3164 Gold Camp Dr., Suite 200	Sample Matrix:	Water	Received:	Oct 18, 1995
Rancho Cordova, CA 95670	Analysis Method:	EPA 5030/8015/8020	Reported:	Oct 29, 1995
Attention: Linda McGahan	First Sample #:	510-0768		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 510-0768 MW-8	Sample I.D. 510-0769 MW-9	Sample I.D. 510-0770 MW-10	Sample I.D. 510-0771 MW-12	Sample I.D. 510-0772 MW-7	Sample I.D. 510-0773 MW-5
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.	N.D.	6,700	13,000
Benzene	0.50	N.D.	N.D.	N.D.	N.D.	530	1,800
Toluene	0.50	N.D.	N.D.	N.D.	N.D.	26	14
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	N.D.	240	240
Total Xylenes	0.50	N.D.	N.D.	N.D.	N.D.	25	170
Chromatogram Pattern:		--	--	--	--	Gasoline C6-C12	Gasoline C6-C12

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	10	1.0
Date Analyzed:	10/23/95	10/23/95	10/24/95	10/24/95	10/24/95	10/24/95
Instrument Identification:	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	97	93	98	97	110	101

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

5100762.DLT <2>

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:	Oct 17, 1995
3164 Gold Camp Dr., Suite 200	Sample Matrix:	Water	Received:	Oct 18, 1995
Rancho Cordova, CA 95670	Analysis Method:	EPA 5030/8015/8020	Reported:	Oct 29, 1995
Attention: Linda McGahan	First Sample #:	510-0774		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 510-0774 MW-2	Sample I.D. 510-0775 MW-3	Sample I.D. 510-0776 MW-4	Sample I.D. 510-0777 MW-1	Sample I.D. 510-0778 MW-6
Purgeable Hydrocarbons	50	45,000	6,100	6,900	280	8,500
Benzene	0.50	5,400	950	1,300	6.2	410
Toluene	0.50	190	29	30	N.D.	74
Ethyl Benzene	0.50	2,000	230	360	13	850
Total Xylenes	0.50	1,500	190	380	0.75	110
Chromatogram Pattern:		Gasoline C6-C12	Gasoline C6-C12	Gasoline C6-C12	Gasoline C6-C12	Gasoline C6-C12

Quality Control Data

Report Limit Multiplication Factor:	100	1.0	20	1.0	100
Date Analyzed:	10/24/95	10/25/95	10/27/95	10/24/95	10/24/95
Instrument Identification:	GCHP-2	GCHP-2	GCHP-2	GCHP-1	GCHP-1
Surrogate Recovery, %: (QC Limits = 70-130%)	102	86	99	100	89

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

5100762.DLT <3>

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:	Oct 17, 1995
3164 Gold Camp Dr., Suite 200	Sample Matrix:	Water	Received:	Oct 18, 1995
Rancho Cordova, CA 95670	Analysis Method:	EPA 5030/8020 Modified	Reported:	Oct 29, 1995
Attention: Linda McGahan	First Sample #:	510-0762		

MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 510-0762 EW-5	Sample I.D. 510-0763 EW-4	Sample I.D. 510-0764 EW-3	Sample I.D. 510-0765 EW-2	Sample I.D. 510-0766 EW-1	Sample I.D. 510-0767 MW-11
MTBE	5.0	50	2,500	2,400	3,600	400	890

Quality Control Data

Report Limit Multiplication Factor:	1.0	100	100	100	40	100
Date Analyzed:	10/26/95	10/26/95	10/26/95	10/26/95	10/25/95	10/26/95
Instrument Identification:	GCHP-1	GCHP-1	GCHP-1	GCHP-1	GCHP-2	GCHP-1
Surrogate Recovery: (QC Limits = 70-130%)	88	81	85	84	96	97

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

5100762.DLT <4>

Sequoia Analytical

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Delta Environmental Consultants	Client Project ID:	Exxon #7-0104, Alameda, CA	Sampled:	Oct 17, 1995
3164 Gold Camp Dr., Suite 200	Sample Matrix:	Water	Received:	Oct 18, 1995
Rancho Cordova, CA 95670	Analysis Method:	EPA 5030/8020 Modified	Reported:	Oct 29, 1995
Attention: Linda McGahan	First Sample #:	510-0768		

MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 510-0768 MW-8	Sample I.D. 510-0769 MW-9	Sample I.D. 510-0770 MW-10	Sample I.D. 510-0771 MW-12	Sample I.D. 510-0772 MW-7	Sample I.D. 510-0773 MW-5
MTBE	5.0	N.D.	N.D.	95	N.D.	17,000	38,000

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	10	1.0	1,000	1,000
Date Analyzed:	10/23/95	10/23/95	10/25/95	10/24/95	10/25/95	10/25/95
Instrument Identification:	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Surrogate Recovery: (QC Limits = 70-130%)	97	93	92	97	99	99

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

5100762.DLT <5>

Sequoia Analytical

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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:	Oct 17, 1995
3164 Gold Camp Dr., Suite 200	Sample Matrix:	Water	Received:	Oct 18, 1995
Rancho Cordova, CA 95670	Analysis Method:	EPA 5030/8020 Modified	Reported:	Oct 29, 1995
Attention: Linda McGahan	First Sample #:	510-0774		

MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 510-0774 MW-2	Sample I.D. 510-0775 MW-3	Sample I.D. 510-0776 MW-4	Sample I.D. 510-0777 MW-1	Sample I.D. 510-0778 MW-6
MTBE	5.0	14,000	N.D.	1,700	5.5	N.D.

Quality Control Data

Report Limit Multiplication Factor:	1,000	10	20	1.0	100
Date Analyzed:	10/25/95	10/24/95	10/27/95	10/24/95	10/24/95
Instrument Identification:	GCHP-2	GCHP-2	GCHP-2	GCHP-1	GCHP-1
Surrogate Recovery: (QC Limits = 70-130%)	94	107	99	100	89

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

SEQUOIA ANALYTICAL, ELAP #1624

Linda C. Schneider
Project Manager

5100762.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 5100762-778

Reported: Oct 29, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	V. Owens	V. Owens	V. Owens	V. Owens
Concentration Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
LCS Batch#:	LCS102395	LCS102395	LCS102395	LCS102395
Date Prepared:	10/23/95	10/23/95	10/23/95	10/23/95
Date Analyzed:	10/23/95	10/23/95	10/23/95	10/23/95
Instrument I.D.#:	GCHP-1	GCHP-1	GCHP-1	GCHP-1
LCS % Recovery:	92	93	95	94
Control Limits:	75-125	75-125	75-125	75-125
MS/MSD Batch #:	5100704	5100704	5100704	5100704
Date Prepared:	10/23/95	10/23/95	10/23/95	10/23/95
Date Analyzed:	10/23/95	10/23/95	10/23/95	10/23/95
Instrument I.D.#:	GCHP-1	GCHP-1	GCHP-1	GCHP-1
Matrix Spike % Recovery:	90	91	91	92
Matrix Spike Duplicate % Recovery:	84	84	84	87
Relative % Difference:	6.9	8.0	8.0	5.6

SEQUOIA ANALYTICAL

Linda C. Schneider
Project Manager

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.

5100762.DLT <7>

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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 5100762-778

Reported: Oct 29, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Chapman	C. Chapman	C. Chapman	C. Chapman
Concentration Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
LCS Batch#:	LCS102395	LCS102395	LCS102395	LCS102395
Date Prepared:	10/23/95	10/23/95	10/23/95	10/23/95
Date Analyzed:	10/23/95	10/23/95	10/23/95	10/23/95
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
LCS % Recovery:	90	90	91	92
Control Limits:	75-125	75-125	75-125	75-125
MS/MSD Batch #:	5100646	5100646	5100646	5100646
Date Prepared:	10/23/95	10/23/95	10/23/95	10/23/95
Date Analyzed:	10/23/95	10/23/95	10/23/95	10/23/95
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Matrix Spike % Recovery:	89	90	90	89
Matrix Spike Duplicate % Recovery:	87	85	88	88
Relative % Difference:	2.3	5.7	2.2	1.1

SEQUOIA ANALYTICAL

Linda C. Schneider
Project Manager

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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 5100762-778

Reported: Oct 29, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Chapman	C. Chapman	C. Chapman	C. Chapman
Concentration Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
LCS Batch#:	LCS102495	LCS102495	LCS102495	LCS102495
Date Prepared:	10/24/95	10/24/95	10/24/95	10/24/95
Date Analyzed:	10/24/95	10/24/95	10/24/95	10/24/95
Instrument I.D.#:	GCHP-1	GCHP-1	GCHP-1	GCHP-1
LCS % Recovery:	89	90	91	91
Control Limits:	75-125	75-125	75-125	75-125
MS/MSD Batch #:	5100980	5100980	5100980	5100980
Date Prepared:	10/24/95	10/24/95	10/24/95	10/24/95
Date Analyzed:	10/24/95	10/24/95	10/24/95	10/24/95
Instrument I.D.#:	GCHP-1	GCHP-1	GCHP-1	GCHP-1
Matrix Spike % Recovery:	84	86	87	86
Matrix Spike Duplicate % Recovery:	88	87	89	89
Relative % Difference:	4.6	1.2	2.3	3.4

SEQUOIA ANALYTICAL

Linda C. Schneider
Project Manager

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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 5100762-778

Reported: Oct 29, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Chapman	C. Chapman	C. Chapman	C. Chapman
Concentration Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
LCS Batch#:	LCS102495	LCS102495	LCS102495	LCS102495
Date Prepared:	10/24/95	10/24/95	10/24/95	10/24/95
Date Analyzed:	10/24/95	10/24/95	10/24/95	10/24/95
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
LCS % Recovery:	88	88	90	87
Control Limits:	75-125	75-125	75-125	75-125
MS/MSD Batch #:	5100981	5100981	5100981	5100981
Date Prepared:	10/24/95	10/24/95	10/24/95	10/24/95
Date Analyzed:	10/24/95	10/24/95	10/24/95	10/24/95
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Matrix Spike % Recovery:	92	91	93	89
Matrix Spike Duplicate % Recovery:	82	84	87	81
Relative % Difference:	11	8.0	6.7	9.4

SEQUOIA ANALYTICAL

Linda C. Schneider
Project Manager

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Rancho Cordova, CA 95670
Attention: Linda McGahan

Client Project ID: Exxon #7-0104, Alameda, CA
Matrix: Water
QC Sample Group 5100762-778

Reported: Oct 29, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Chapman	C. Chapman	C. Chapman	C. Chapman
Concentration Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
LCS Batch#:	LCS102595	LCS102595	LCS102595	LCS102595
Date Prepared:	10/25/95	10/25/95	10/25/95	10/25/95
Date Analyzed:	10/25/95	10/25/95	10/25/95	10/25/95
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
LCS % Recovery:	98	98	99	98
Control Limits:	75-125	75-125	75-125	75-125
MS/MSD Batch #:	BS102595	BS102595	BS102595	BS102595
Date Prepared:	10/25/95	10/25/95	10/25/95	10/25/95
Date Analyzed:	10/25/95	10/25/95	10/25/95	10/25/95
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Matrix Spike % Recovery:	89	88	91	91
Matrix Spike Duplicate % Recovery:	85	87	87	87
Relative % Difference:	4.6	1.1	4.5	4.5

SEQUOIA ANALYTICAL

Linda C. Schneider
Project Manager

Please Note:
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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 5100762-778

Reported: Oct 29, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-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#:	LCS102695	LCS102695	LCS102695	LCS102695
Date Prepared:	10/26/95	10/26/95	10/26/95	10/26/95
Date Analyzed:	10/26/95	10/26/95	10/26/95	10/26/95
Instrument I.D.#:	GCHP-1	GCHP-1	GCHP-1	GCHP-1
LCS % Recovery:	87	88	88	88
Control Limits:	75-125	75-125	75-125	75-125
MS/MSD Batch #:	5100843	5100843	5100843	5100843
Date Prepared:	10/26/95	10/26/95	10/26/95	10/26/95
Date Analyzed:	10/26/95	10/26/95	10/26/95	10/26/95
Instrument I.D.#:	GCHP-1	GCHP-1	GCHP-1	GCHP-1
Matrix Spike % Recovery:	86	85	86	87
Matrix Spike Duplicate % Recovery:	83	81	83	84
Relative % Difference:	3.6	4.8	3.6	3.5

SEQUOIA ANALYTICAL

Linda C. Schneider
Project Manager

Please Note:
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5100762.DLT <12>

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EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Page 1 of 1

Consultant's Name: Delta Environmental Consultants		
Address: 3164 Gold Country Dr. Rancho Cordova		**Site Location:** ALAMEDA
Project #:	**Consultant Project #:** D094-832	**Consultant Work Release #:** 94325 22
Project Contact: Linda McGahon	**Phone #:** 638-2085	**Laboratory Work Release #:** 19513914
EXXON Contact: Malia Ewenstein	**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
EW-5	10-17-95	0900	H2O	HCl		6100762	X			X		
EW-4		0902				0763						
EW-3		0904				0764						
EW-2		0906				0765						
EW-1		1030				0766						
MW-11		1045				0767						
MW-8		1105				0768						
MW-9		1120				0769						
MW-10		1135				0770						

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Jay Stoops / Delta	10-17-95	1700	T. O'Malley / Delta	10/17/95	1700	
T. O'Malley / Delta	10/18/95	1520	John Yowell / Sequoia	10/18/95	1520	
John Yowell / Sequoia	10/18/95	1610	Stacy Allman / Sequoia	10/18/95	1610	

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 #: D094-832	Consultant Work Release #: 199322
Project Contact: Linda McGalan	Phone #: 638-2085	Laboratory Work Release #: 19513914
EXXON Contact: Maxia Gruenstein	Phone #:	EXXON RAS #: 7-0109
Sampled by (print): Jay Stoops	Sampler's Signature: Jay Stoops	
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-12	10-17-95	1155	H2O	HCl	3	5100771	X			X		
MW-7		1210				0772						
MW-5		1230				0773						
MW-2		1300				0774						
MW-3		1320				0775						
MW-4		1400				0776						
MW-1		1410				0777						
MW-6		1335				0778						

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Jay Stoops/Delta	10-17-95	1700	T. O'Malley/Delta	10/17/95	1702	
T. O'Malley/Delta	10/18/95	1520	John Yowell/Sequoia	10/18/95	1520	
John Yowell/Sequoia	10/18/95	1610	Stacy Allman/Sequoia	10/18/95	1610	

Pink - Client
Yellow - Sequoia
White - Sequoia

ENCLOSURE E

Historical Remediation System Analytical Results
(February 16, 1993 through March 30, 1994)

TABLE 2
CUMULATIVE ANALYTICAL RESULTS OF WATER SAMPLES
FROM THE REMEDIATION SYSTEM
Exxon Service Station 7-0104
1726 Park Street
Alameda, California
(Page 1 of 6)

Date	Total Discharge	Sample Location	TPHg	B	T	E	X	VOCs	EOCs	Inorganics
			< parts per billion >							
02/16/93	NA	"bioreactor"	660	120	40	25	56	NA	NA	NA
02/17/93	NA	"bioreactor"	140	23	5.3	2.8	9.3	NA	NA	NA
02/18/93	NA	"bioreactor"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
02/22/93	0	"influent"	NS	NS	NS	NS	NS	NA	NA	NA
		"A"	150	16	11	3.7	15	NA	NA	NA
		"B"	NS	NS	NS	NS	NS	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
02/23/93	230	"influent"	NS	NS	NS	NS	NS	NA	NA	NA
		"A"	110	12	7.4	2.7	14	NA	NA	NA
		"B"	NS	NS	NS	NS	NS	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.6	<0.5	NA	NA	NA
02/24/93	4,165	"influent"	4,800	1,000	700	83	60	NA	NA	NA
		"A"	800	200	110	5.1	80	NA	NA	NA
		"B"	NS	NS	NS	NS	NS	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
02/25/93	10,130	"influent"	3,800	930	820	130	740	NA	NA	NA
		"A"	300	11	2.9	<0.6	33	NA	NA	NA
		"B"	NS	NS	NS	NS	NS	NA	NA	NA
		"C"	NS	NS	NS	NS	NS	NA	NA	NA

See notes on page 6 of 6

TABLE 2
CUMULATIVE ANALYTICAL RESULTS OF WATER SAMPLES
FROM THE REMEDIATION SYSTEM
Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Discharge	Sample Location	TPHg	B	T	E	X	VOCs	EDCs	Inorganics
			< parts per billion >							
02/26/93	16,440	None	Not Sampled							
03/04/93	36,240	"influent"	3,600	760	430	45	600	NA	NA	NA
		"A"	170	5.1	2.1	<0.5	20	NA	NA	NA
		"B"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
03/11/93	80,000	"influent"	3,800	480	390	84	600	NA	NA	NA
		"A"	63	0.5	<0.5	<0.5	0.8	NA	NA	NA
		"B"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
03/19/93	NR	"influent"	NS	NS	NS	NS	NS	NS	NS	NS
		"A"	4,100	530	420	100	800	NA	NA	NA
		"B"	NS	NS	NS	NS	NS	NS	NS	NS
		"C"	110	0.8	<0.5	<0.5	7.6	NA	NA	NA
03/31/93	184,321	None	Not Sampled							
04/02/93	192,874	None	Not Sampled							
04/05/93	208,161	None	Not Sampled							
04/07/93	214,804	None	Not Sampled							
04/09/93	223,530	None	Not Sampled							

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TABLE 2
CUMULATIVE ANALYTICAL RESULTS OF WATER SAMPLES
FROM THE REMEDIATION SYSTEM
Exxon Service Station 7-0104
1726 Park Street
Alameda, California
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Date	Total Discharge	Sample Location	TPHg	B	T	E	X	VOCs	EOCs	Inorganics
			< . . . . . parts per billion . . . . . >							
04/13/93	238,370	None	Not Sampled							
04/16/93	250,960	None	Not Sampled							
04/30/93	270,400	"Influent"	2,700	240	140	35	500	NA	NA	NA
		"A"	380	31	22	14	81	NA	NA	NA
		"B"	55	1.3	<0.5	<0.5	2.3	NA	NA	NA
		"C"	<50	1.5	0.9	<0.5	2.4	NA	NA	NA
05/11/93	308,640	None	Not Sampled							
05/20/93	346,407	None	Not Sampled							
06/14/93	346,407	"Influent"	3,300	540	340	88	730	NA	NA	NA
		"A"	<50	<0.5	<0.5	<0.5	1.1	NA	NA	NA
		"B"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
06/24/93	393,810	None	Not Sampled							
06/29/93	415,739	None	Not Sampled							
07/08/93	455,820	"Influent"	1,600	310	24	11	130	NA	NA	NA
		"A"	110	2.2	0.7	<0.5	1.4	NA	NA	NA
		"B"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA

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TABLE 2
CUMULATIVE ANALYTICAL RESULTS OF WATER SAMPLES
FROM THE REMEDIATION SYSTEM
Exxon Service Station 7-0104
1726 Park Street
Alameda, California
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Date	Total Discharge	Sample Location	TPHg	B	T	E	X	VOCs	EOCs	Inorganics
			< ..... parts per billion ..... >							
08/06/93	569,132	"influent"	2,900	510	180	58	710	NA	NA	NA
		"A"	94	1.9	<0.5	<0.5	1.1	NA	NA	NA
		"B"	61	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
09/08/93	675,360	"influent"	2,200	330	51	21	210	NA	NA	NA
		"A"	<50	2.1	<0.5	<0.5	<0.5	NA	NA	NA
		"B"	60	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
10/06/93	772,440	"influent"	5,000	810	58	100	460	NA	NA	NA
		"A"	740	18	1.3	<0.5	39	NA	NA	NA
		"B"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	390	7.5	0.6	<0.5	18	NA	NA	NA
10/15/93	810,448	"influent"	2,300	770	38	40	220	NA	NA	NA
		"A"	530	17	3.0	<0.5	33	NA	NA	NA
		"B"	69	0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
11/09/93	851,840	"A"	550	20 (16)	<0.5	<0.5	19 (20)	86[1]	ND	270* 180*
		"B"	<50	<0.5	<0.5	<0.5	<0.5	ND	ND	100*
		"C"	<50	<0.5	<0.5	<0.5	<0.5	ND	ND	80*

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TABLE 2
CUMULATIVE ANALYTICAL RESULTS OF WATER SAMPLES
FROM THE REMEDIATION SYSTEM
Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Discharge	Sample Location	TPHg	B	T	E	X	VOCs	EOCs	Inorganics
			< parts per billion >							
12/09/93	932,928	"A"	1,500	130	350	10	82	NA	NA	NA
		"B"	<50	<0.6	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	3.6	9.5	<0.5	<0.5	NA	NA	NA
12/22/93	---	"Eff"	190	1.9	1.6	<0.5	10	NA	NA	NA
01/10/94	1,039,530	"A"	340	17 (19)	2.3	<0.5	7.6 (8)	120[2] 7[3] 120[4]	ND	6[5] 330[b] 300[a]
		"B1"	120	2.3	<0.5	<0.5	<0.5	NA	NA	NA
		"B2"	61	0.6	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	55	<0.5	<0.5	<0.5	<0.5	ND	ND	220[a]
02/24/94	1,152,290	"A"	1400	310	22	<0.5	99	NA	NA	NA
		"B1"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"B2"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	75	1.3	<0.5	<0.5	<0.5	NA	NA	NA
03/07/94	---	"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
03/30/94	1,267,720	"A"	190	0.9	0.9	<0.5	<0.5	NA	NA	NA
		"B1"	55	<0.5	<0.5	<0.5	<0.6	NA	NA	NA
		"B2"	<50	<0.5	<0.5	<0.5	<0.6	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
MCLs	---	---	---	1.0	---	680	1,750		See Notes	
DWAL	---	---	---	---	100	---	---		See Notes	

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TABLE 2
CUMULATIVE ANALYTICAL RESULTS OF WATER SAMPLES
FROM THE REMEDIATION SYSTEM
Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Discharge	Sample Location	TPHg	B	T	E	X	VOCs	EOCs	Inorganics
			<				parts per billion			>

Notes:

gal	:	Gallons
TPHg	:	Total petroleum hydrocarbons as gasoline analyzed using modified EPA method 5030/8015
BTEX	:	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA method 5030/8020
VOC	:	Volatile organic compounds analyzed using EPA method 624
EOC	:	Extractable organic compounds analyzed using EPA method 625
Inorganics	:	Arsenic analyzed using EPA method 7060; Cadmium, Chromium, Copper, Iron, Lead, Nickel, Silver, and Zinc analyzed using EPA method 6010/200.7; Mercury analyzed using EPA method 7470; and total Cyanides analyzed using EPA 335.2
NA	:	Not analyzed
NS	:	Not sampled
NR	:	Not recorded
ND	:	Non detected at or above the method detection limit
"Influent"	:	composite sample from recovery wells
"bioreactor"	:	water sample from the first compartment of the bioreactor
"Eff"	:	effluent from bioreactor, influent to first granular activated carbon (GAC) canister
"A"	:	effluent from bioreactor, influent to first GAC canister
"B"	:	effluent from second GAC canister, influent to third GAC canister
"B1"	:	effluent from first GAC canister, influent to second GAC canister
"B2"	:	effluent from second GAC canister, influent to third GAC canister
"C"	:	effluent from third GAC canister into sanitary sewer
( )	:	Analyzed using EPA method 624
<	:	Less than the laboratory method detection limit
1	:	Tetrachloroethene (MCL = 5 ppb)
2	:	2-Butanone (MEK)
3	:	Trichloroethene (TCE) (MCL = 5 ppb)
a	:	Zinc (MCL = 5000 ppb)
b	:	Iron (MCL = 300 ppb)
c	:	Arsenic (MCL = 50 ppb)
MCL	:	Maximum Contaminant Level
DWAL	:	Drinking Water Action Level