

EXXON COMPANY, U.S.A.

P.O. BOX 4032 . CONCORD, CA 94524-4032

ENVIRONMENTAL ENGINEERING

MARLA D. GUENSLER
SENIOR ENGINEER

(510) 246-8776
(510) 246-8798 FAX

Exxon
Environmental Engineering
San Francisco Bay Area
July 1995

still no response from ady site
for environmental permit
suggest dry wall on sidewalk
on Park St.

June 19, 1995

Ms. Janet 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, Second 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 April 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

Marla D. Guensler
Senior Engineer

MDG/jb

attachment: Delta Quarterly Report dated June 15, 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



3330 Data Drive
Suite 100
Rancho Cordova, CA 95670
916/638-2085
FAX: 916/638-8385

June 15, 1995

3164 Gold Camp Dr. Suite 200
Rancho Cordova, CA
945670

Ms. Marla Guensler
Exxon Company, U.S.A.
Post Office Box 4032
Concord, California 94524-2032

Subject: *Quarterly Ground Water Monitoring Report, Second Quarter 1995*
Exxon Retail 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 Retail Station No. 7-0104, located at 1725 Park Street, Alameda, California. This letter report presents the results of quarterly ground water monitoring conducted on April 27, 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 ten monitoring wells (MW-1 through MW-10) and the five recovery wells (EW-1 through EW-5) on April 27, 1995. Ground water depths in the monitoring wells ranged from 5.00 to 6.92 feet below the top of the well casings. Ground water elevations decreased in all monitoring wells during this quarter. The average elevation decrease was approximately 1 foot. 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 April 27, 1995, is included as Figure 3. The contour map indicates an induced ground water flow direction toward the recovery wells. The ground water extraction system has induced a hydraulic gradient of approximately 0.8 in the vicinity of the recovery wells. Away from the recovery wells the ground water flow direction is interpreted to be towards the northeast.

Subjective Analysis

Liquid-phase hydrocarbons (LPH) were not observed in any monitoring wells during the April 27, 1995, site visit.

Ms. Marla Guensler
Exxon Company, U.S.A.
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Analytical Results

Ground water samples were collected from each of the monitoring wells on April 27, 1995, and submitted to Sequoia Analytical (a California-certified laboratory) for analyses of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8020, and total petroleum hydrocarbons (TPH) as gasoline by EPA Method 8015 Modified. The laboratory analytical results for the April 27, 1995, sampling and historical results from sampling performed 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 second quarter 1995 monitoring event indicate that the hydrocarbon constituent concentrations have remained relatively unchanged. Concentrations of TPH as gasoline reported above the laboratory's limits of detection ranged from 140 micrograms per liter ($\mu\text{g/L}$) in monitoring well MW-10 to 44,000 $\mu\text{g/L}$ in monitoring well MW-2. Concentrations of benzene ranged from 340 $\mu\text{g/L}$ in monitoring well MW-6 to 7,000 $\mu\text{g/L}$ in monitoring well MW-2. All hydrocarbon constituents were below the laboratory detection limits for ground water samples obtained from monitoring wells MW-8 and MW-9. During the first quarter 1995 monitoring, LPH was detected in monitoring wells MW-2 and MW-5 at thicknesses of 0.01 feet and 0.02 feet, respectively. No LPH was detected in the wells during the second quarter monitoring, although the hydrocarbon concentration levels detected were close to previously reported levels.

A dissolved benzene concentration map based on analytical results for ground water samples collected on April 27, 1995, is included as Figure 4. A copy of the laboratory analytical report and chain-of-custody 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. 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, reporting of the ground water remediation system analytical sampling results will be presented in a separate report on a semi-annual basis.

Future Work

The next quarterly monitoring event for this site is scheduled for July 1995. Delta anticipates continuing operation of the ground water remediation system. The first semi-annual remediation system sampling report for the period of January to June 1995, will be submitted in July 1995.

Ms. Marla Guensler
Exxon Company, U.S.A.
June 15, 1995
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Remarks/Signatures

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

Delta recommends that copies of this report be forwarded to 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

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

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

L.K. [Signature]

Linda J. McGahan
Project Manager

E.J.H.

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

LJM (LRP529.SJS)
Enclosures

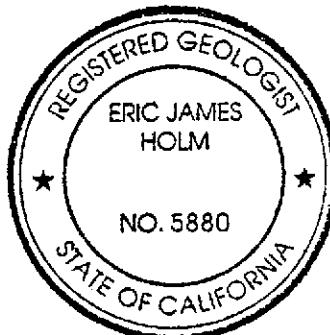


TABLE 1
GROUND WATER LEVEL MEASUREMENTS

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

<u>Monitoring Well</u>	<u>Date</u>	<u>Top of Riser Elevation (ft)*</u>	<u>Depth to Water (ft)</u>	<u>Ground Water Elevation (ft)</u>	<u>Comments</u>
MW-1	09/12/94	17.35	7.11	10.24	No LPH 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
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
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
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
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
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
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
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
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

TABLE 1-Continued

GROUND WATER LEVEL DATA

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

<u>Monitoring Well</u>	<u>Date</u>	<u>Top of Riser Elevation (ft)*</u>	<u>Depth to Water (ft)</u>	<u>Ground Water Elevation (ft)</u>	<u>Comments</u>
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
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
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
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
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
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

* 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 ($\mu\text{g/L}$)

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

<u>Monitoring Well</u>	<u>Date</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-benzene</u>	<u>Xylenes</u>	<u>TPH^a as gasoline</u>
MW-1	09/12/94	200	1.9	210	6.6	1,600 ^b
	10/01/94	200	<0.5	160	6.6	1,400 ^b
	01/13/95	410 ^c	17	280 ^b	89	2,100 ^b
	04/27/95	460	41	340	270	4,700
MW-2	09/12/94	4,400	120	1,700	2,100	31,000 ^b
	10/01/94	4,500	250	1,800	2,400	45,000 ^b
	01/13/95	NS ^d	NS	NS	NS	NS
	04/27/95	7,000	840	2,400	3,400	44,000
MW-3	09/12/94	580	8.0	340	100	3,100 ^b
	10/01/94	640	11	230	130	3,800 ^b
	01/13/95	690	24	210	130	3,800 ^b
	04/27/95	940	35	810	530	7,500
MW-4	09/12/94	900	57	310	490	5,200 ^b
	10/01/94	1,200	66	360	380	9,100 ^b
	01/13/95	1,300	200	550	1,000	25,000 ^b
	04/27/95	650	130	350	590	5,900
MW-5	09/12/94	2,300	17	320	230	10,000 ^b
	10/01/94	2,300	19	220	200	11,000 ^b
	01/13/95	NS	NS	NS	NS	NS
	04/27/95	2,200	72	540	350	14,000
MW-6	09/12/94	150	4.4	170	85	1,500 ^b
	10/01/94	120	<0.5	99	38	87 ^b
	01/13/95	710	220	780	1,100	9,900 ^b
	04/27/95	340	40	460	320	3,900
MW-7	09/12/94	490	50	280	70	6,000 ^b
	10/01/94	940	670	310	160	8,900 ^b
	01/13/95	590	780	970	4,200	20,000 ^b
	04/27/95	410	32	410	230	8,800
MW-8	09/12/94	<0.5	<0.5	<0.5	<0.5	<50 ^b
	10/01/94	<0.5	<0.5	<0.5	<0.5	<50 ^b
	01/13/95	<0.5	<0.5	<0.5	<0.5	<50 ^b
	04/27/95	<0.5	<0.5	<0.5	<0.5	<50
MW-9	09/12/94	<0.5	<0.5	<0.5	<0.5	<50 ^b
	10/01/94	<0.5	<0.5	<0.5	<0.5	<50 ^b
	01/13/95	<0.5	<0.5	<0.5	<0.5	<50 ^b
	04/27/95	<0.5	<0.5	<0.5	<0.5	<50

TABLE 2-Continued

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

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

<u>Monitoring Well</u>	<u>Date</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-benzene</u>	<u>Xylenes</u>	<u>TPH^a as gasoline</u>
MW-10	09/12/94	<0.5	<0.5	1.6	<0.5	71 ^b
	10/01/94	1.1	<0.5	2.8	0.73	330 ^b
	01/13/95	<0.5	<0.5	<0.5	<0.5	90 ^b
	04/27/95	<0.5	<0.5	5.4	1.3	140
EW-1	09/12/94	40	<0.5	10	5.4	400 ^b
	10/01/94	<0.5	4.4	30	11	3,400 ^b
	01/13/95	40	<0.5	12	16	680 ^b
	04/27/95	NS	NS	NS	NS	NS
EW-2	09/12/94	2,000	79	180	290	8,800 ^b
	10/01/94	1,400	6.7	700	310	9,500 ^b
	01/13/95	930	270	21	280	5,700 ^b
	04/27/95	NS	NS	NS	NS	NS
EW-3	09/12/94	44	5.9	12	31	300 ^b
	10/01/94	12	0.42	1.7	3.7	140 ^b
	01/13/95	4.6	7.6	1.2	6.6	230 ^b
	04/27/95	NS	NS	NS	NS	NS
EW-4	09/12/94	1,700	12	210	77	4,000 ^b
	10/01/94	100	1.5	15	11	460 ^b
	01/13/95	89	8.8	1.6	82	520 ^b
	04/27/95	NS	NS	NS	NS	NS
EW-5	09/12/94	26	1.7	11	12	180 ^b
	10/01/94	16	0.92	5.7	8.5	130 ^b
	01/13/95	0.6	0.8	0.6	2.9	130 ^b
	04/27/95	NS	NS	NS	NS	NS

^a Total petroleum hydrocarbons by EPA Method 8015 Modified, except as noted.

^b Total volatile hydrocarbons by DOHS/LUFT manual method.

^c Result obtained from a 1:10 dilution analyzed on January 17, 1995.

^d Not sampled.

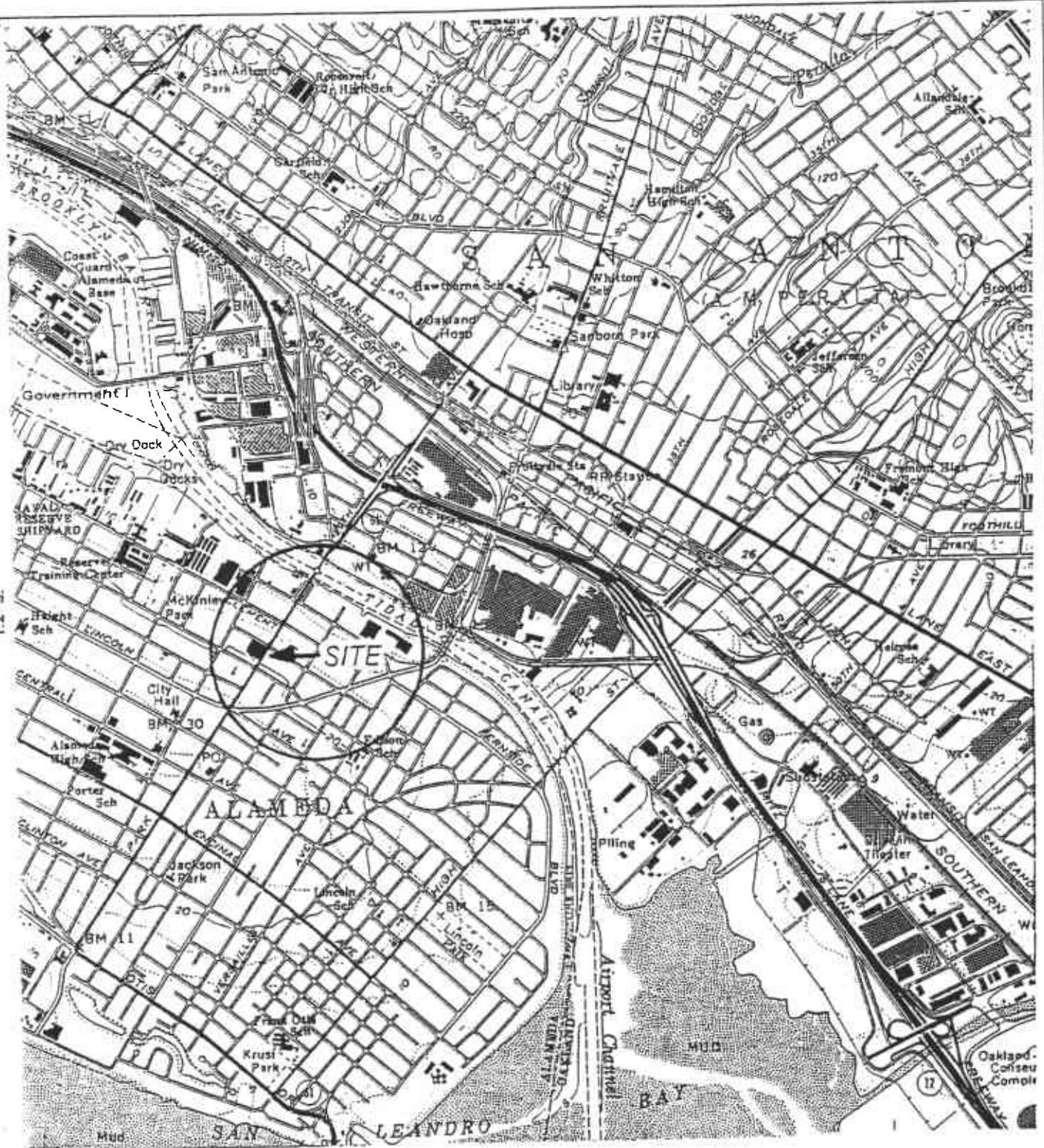
TABLE 3
GROUND WATER REMEDIATION SYSTEM SAMPLING RESULTS
Concentrations in parts per billion (ppb)

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

<u>Sample ID</u>	<u>Date</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-benzene</u>	<u>Xylenes</u>	<u>TVH^a as gasoline</u>
Effluent	09/12/94	<0.5	<0.5	<0.5	<0.5	<50
	10/10/94	<0.5	<0.5	<0.5	<0.5	<50
	01/13/95	<0.5	<0.5	<0.5	<0.5	<50
Mid GAC	01/13/95	<0.5	<0.5	<0.5	<0.5	<50
Influent	10/10/94	<0.5	<0.5	<0.5	<0.5	<50
	01/13/95	<0.5	<0.5	<0.5	<0.5	1,000 ^b

^a Total volatile hydrocarbons.

^b Sample chromatogram does not resemble gasoline standard pattern.



GENERAL NOTES:

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



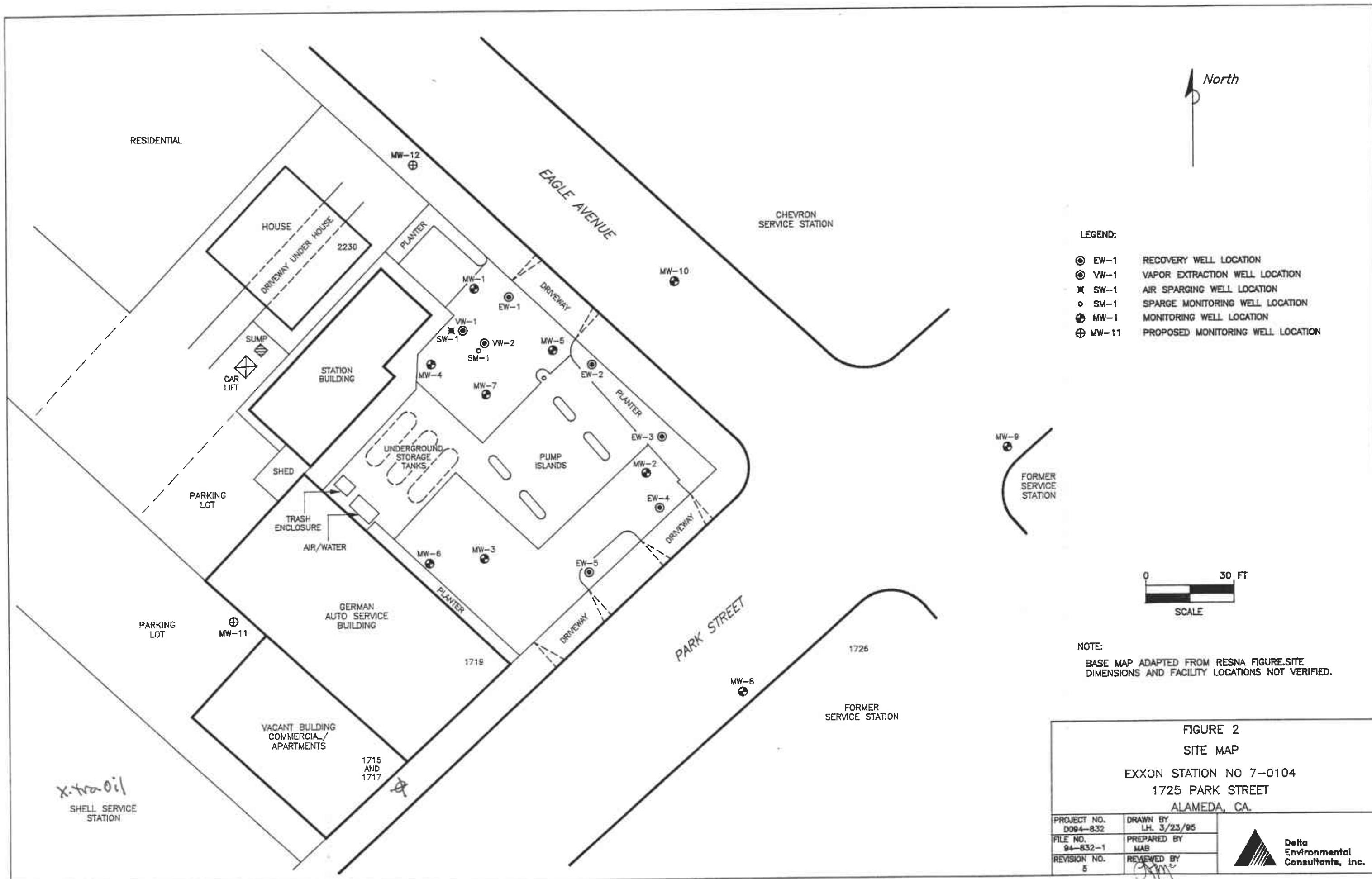
QUADRANGLE LOCATION

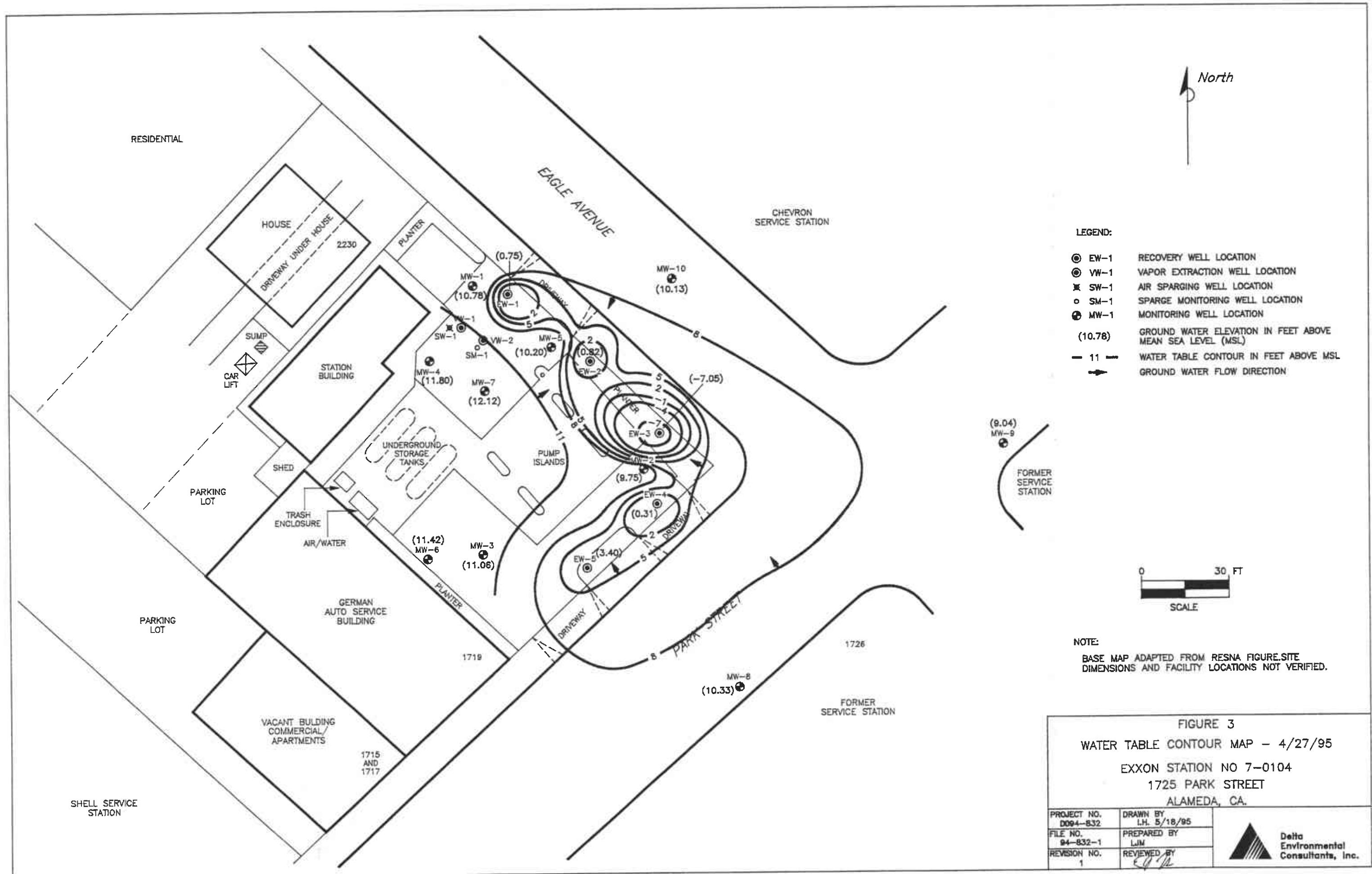
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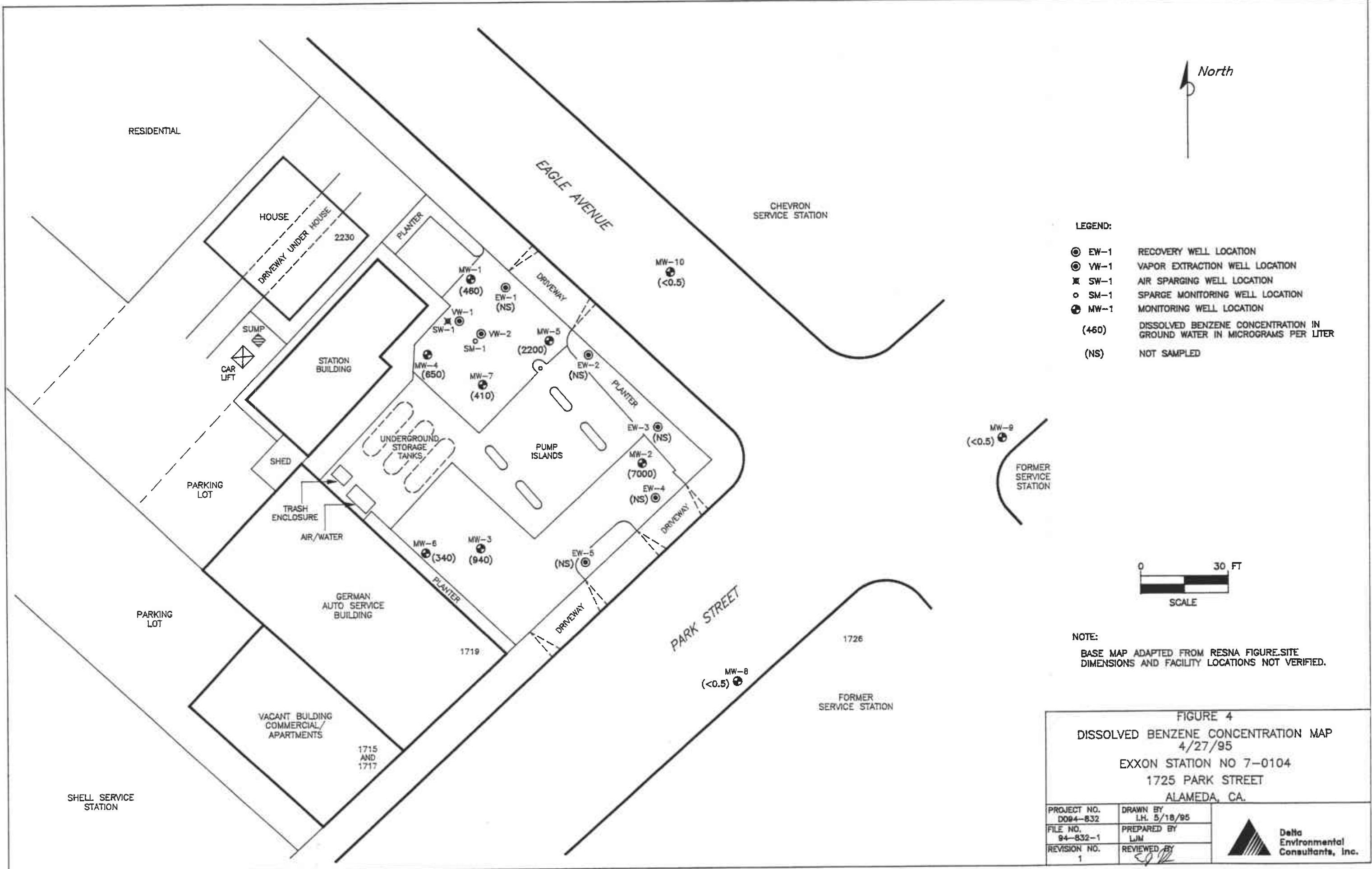
FIGURE 1 SITE LOCATION MAP EXXON STATION NO 7-0104 1725 PARK STREET ALAMEDA, CA.	
PROJECT NO. D084-832	DRAWN BY LH 9/27/94
FILE NO. —	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY <i>LH/94</i>



Delta
Environmental
Consultants, Inc.







FIELD METHODS AND PROCEDURES

1.0 GROUND WATER AND LIQUID-PHASE HYDROCARBON DEPTH DETERMINATION

A water/hydrocarbon interface probe was used to determine 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 analysis. 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 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. 7-0101
1725 Park Street
Alameda, California
(Page 1 of 11)

Well ID # (TOC)	Sampling Date	SUBJ	DTW < feet >	Elev.	TPHg < >	parts per billion				
						B	T	E	X	>
MW-1 (17.3S)	06/07/88	NM	NM	—	27,000	5,000	77	1,100	2,700	
	06/10/88#	NLPH	6.15	11.00						
	01/17/89	NLPH	5.81	11.54	6,800	2,000	91	800	1,600	
	01/24/89#	NLPH	5.16	12.19						
	06/01/89	sheen	6.27	11.08	1,700	170	5.9	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						
	12/11/89	NLPH	6.60	10.75	5,300	200	42	290	330	
	02/13/90#	NLPH	6.02	11.33						
	03/07/90a#	NM	NM	—						
	03/13/90	NLPH	5.91	11.44	2,300	430	14	16	220	
	04/18/90#	NLPH	6.18	11.17						
	05/23/90#	NLPH	6.29	11.06						
	06/14/90	NLPH	6.19	11.28	32,000	1,400	19	<5	120	
	08/21/90#	NLPH	7.03	10.32						
	09/19/90	NLPH	7.25	10.09	950	290	2.9	350	110	
	12/17/90	NLPH	6.75	10.60	2,100	550	13			
	01/31/91#	NLPH	6.78	10.57						
	02/25/91#	NLPH	6.59	10.76						
	03/19/91	NLPH	5.35	11.60						
	04/22/91#	sheen	5.72	11.63						
	05/17/91#	NLPH	6.00	11.35						
	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						
	10/22/91	NM	NM	—						
	11/18/91#	NLPH	7.13	10.22						
	12/11/91#	NLPH	7.25	10.10						
	01/21/92	NLPH	6.54	10.81	1,800	650	23	300	64	
	02/20/92#	NLPH	4.82	12.53						
	03/19/92#	NLPH	5.24	12.11						
	04/24/92	NLPH	5.71	11.84	4,900	1,600	78	660	250	
	05/13/92#	NLPH	5.99	11.36						
	06/24/92#	NLPH	6.65	10.70						
	07/16/92	NLPH	6.72	10.63	3,400	1,000	11	550	100	
	08/19/92#	NLPH	7.07	10.28						
	09/24/92	NLPH	7.36	9.99	3,700	1,300	21	330	<10	
	02/05/93	NLPH	9.21	12.14	11,000	2,400	160	1,400	790	
	04/30/93	NLPH	9.88	11.47	6,500	330	320	640	1,300	
	05/14/93#	NLPH	7.22	10.13						

See notes on page 11 of 11.

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station No. 7-0104
1725 Park Street
Alameda, California
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Well ID #	Sampling (TOC)	Date	SUBJ	DTW feet < >	Elev.	TPHg	S	T	E	X	parts per billion >
MW-1 cont.	07/15/93 (17.35)	10/21/93#	NLPH	8.01	9.34	7,600	270	52	1,100	1,000	
		11/16/93	NM	7.33	9.52	340	18	1.4	72	17	
		11/30/93#	NLPH	8.69	8.66						
		12/17/93#	NM	8.38	8.69						
		01/31/93#	NM	7.42	9.93						
		02/24-25/94	NLPH	6.37	10.98	810	15	9.0	98	58	
				6.23	10.84						
MW-2	06/07/88 (16.67)	—	NLPH	6.20	10.47	110,000	12,000	12,000	2,100	12,000	
	06/10/88#	—	NLPH	5.96	10.71	30,000	6,500	3,300	1,500	7,700	
	01/17/89	NLPH	5.04	11.53							
	01/24/89#	NLPH	6.32	10.35	3,700	330	280	680	1,300	220	
	06/01/89	sheen	6.32	9.94	17,000	580	280	570			
	09/13/89	NLPH	6.73	9.80							
	10/20/89#	NLPH	6.37	9.37							
	11/22/89#	NLPH	6.80	10.10	32,000	1,000	350	310	1,200		
	12/11/89	NLPH	6.57	10.55							
	02/13/90#	NLPH	6.12	10.85	39,000	3,500	1,500	2,100	3,900		
	03/13/90	NLPH	6.02	10.32							
	04/18/90#	NLPH	6.35	10.39							
	05/23/90#	NLPH	6.28	10.53	34,000	3,300	730	1,500	3,900		
	06/14/90	NLPH	6.14	9.97							
	08/21/90#	NLPH	6.70	9.93	63,000	570	180	390	1,000		
	09/19/90	NLPH	6.84	10.21	140,000	3,700	2,500	3,000	9,300		
	12/17/90	NLPH	6.46	10.01							
	01/31/91#	sheen	6.66	10.17							
	02/25/91#	NLPH	6.50	10.91	48,000	4,500	1,500	2,100	5,500		
	03/19/91	sheen	5.78	10.89							
	04/22/91#	NLPH	5.78	10.66							
	05/17/91#	NLPH	6.01	10.24	49,000	3,500	2,200	2,000	6,400		
	07/24/91	NLPH	6.43	9.86							
	09/10/91#	NLPH	6.31	9.85							
	09/23/91#	NLPH	6.82	9.68							
	10/21/91#	NLPH	7.01	—	34,000	3,700	1,100	1,800	5,200		
	10/22/91	—	—	10.01							
	11/18/91#	NLPH	6.86	9.92							
	12/11/91#	NLPH	6.85	10.45	21,000	4,500	1,300	1,700	5,100		
	01/21/92	NLPH	6.22	11.39							
	02/20/92#	NLPH	6.28	11.33							
	03/19/92#	NLPH	5.34	10.92	36,000	5,000	970	2,300	5,200		
	04/24/92	sheen	5.75	10.72							
	05/13/92#	NLPH	5.95								

See notes on page 11 of 11.

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station No. 7-0104
1725 Park Street
Alameda, California
(Page 3 of 11)

Well ID #	Sampling Date	SUBJ	OTW < feet >	Elev.	TPHg < >	B	T	E	X
(TOC)						parts per billion			
MW-2 cont. (16.67)	06/24/92#	NLPH	6.39	10.28					
	07/16/92	sheen	6.50	10.17	42,000	3,500	490	1,300	3,700
	08/19/92#	NLPH	6.89	9.98					
	09/24/92	sheen	6.74	9.93	26,000	3,800	570	1,700	3,300
	02/05/93#	0.01	5.56	11.10					
	04/30/93	sheen	5.78	10.99	280,000	11,000	6,500	5,500	160,000
	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	6.32	10.35					
	02/24-25/94	NLPH	6.93	9.74	51,000	11,000	1,700	2,700	5,500
MW-3 (17.11)	06/07/88	NM	NM	—	23,000	6,000	80	940	1,900
	06/10/88#	NLPH	6.05	11.06					
	01/17/89	NLPH	5.49	11.52	5,300	2,500	230	590	1,100
	01/24/89#	NLPH	5.38	11.73					
	06/01/89	NLPH	5.96	11.15	5,400	330	300	570	580
	09/18/89	NLPH	6.65	10.46	12,000	680	170	350	860
	10/20/89#	NLPH	6.38	10.23					
	11/22/89#	NLPH	6.74	10.37					
	12/11/89	NLPH	6.37	10.74	14,000	1,100	150	670	690
	02/13/90#	NLPH	5.58	11.53					
	03/13/90	NLPH	5.48	11.63	18,000	8,300	200	1,100	1,100
	04/18/90#	NLPH	6.01	11.10					
	05/23/90#	NLPH	6.14	10.97					
	06/14/90	NLPH	5.83	11.28	9,500	1,300	880	310	1,800
	08/21/90#	NLPH	6.87	10.44					
	09/19/90	NLPH	6.88	10.23	16,000	5,000	65	1,500	450
	12/17/90	NLPH	6.46	10.65	6,700	1,500	64	650	460
	01/31/91#	NLPH	6.24	10.87					
	02/25/91#	NLPH	6.18	10.93					
	03/19/91	NLPH	5.35	11.76	18,000	4,200	2,100	1,100	1,200
	04/22/91#	NLPH	5.72	11.39					
	05/17/91#	NLPH	5.55	11.58					
	07/24/91	NLPH	6.41	10.70	38,000	6,200	990	2,900	9,600
	09/10/91#	NLPH	6.80	10.31					
	09/23/91#	NLPH	6.80	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

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Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TPHg	parts per billion				X
						S	T	E	>	
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	4.99	12.22						
	03/19/92#	NLPH	4.35	12.28						
	04/24/92	NLPH	5.28	11.83	17,000	4,200	170	1,600	600	
	05/13/92#	NLPH	5.53	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	570	
	08/19/92#	NLPH	6.65	10.46						
	09/24/92	NLPH	6.93	10.18	7,100	2,000	44	1,000	220	
	02/05/93	NLPH	4.71	12.40	13,000	3,500	110	1,300	430	
	04/30/93	NLPH	5.46	11.65	13,000	1,500	370	1,500	1,800	
	05/14/93#	NLPH	6.53	10.58						
	07/15/93	NLPH	7.28	9.93	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	280	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	3,600	180	240	63	810	
	09/18/89	NLPH	6.30	10.54	6,000	290	200	28	510	
	10/20/89#	NLPH	7.08	10.25						
	11/22/89#	NLPH	8.82	10.52						
	12/11/89	NLPH	8.37	10.97	13,000	750	910	510	1,200	
	02/13/90#	NLPH	5.49	11.85						
	03/07/90a#	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	5.92	11.42	12,000	5,700	400	1,300	760	
	08/21/90#	NLPH	6.33	10.51						
	09/19/90	NLPH	7.07	10.27	5,500	670	180	390	1,000	
	12/17/90	NLPH	6.50	10.84	14,000	1,400	620	540	2,100	
	01/31/91#	NLPH	6.66	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.

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station No. 7-0104
 1725 Park Street
 Alameda, California
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Well ID # (TOC)	Sampling Date	SUBJ	DTW <.....feet.....>	Elev. <.....>	TPHg <.....>	(Page 5 of 11)			
						S	T	E	X
								parts per billion	
MW-4 cont. (17,34)	05/17/91#	NLPH	5.50	11.74					
	07/24/91	NLPH	6.54	10.80	10,000	1,200	440	410	1,200
	09/10/91#	NLPH	7.04	10.30					
	09/23/91#	NLPH	7.14	10.20					
	10/21/91#	sheen	7.30	10.04					
	10/22/91	—	—	—	4,600	750	190	350	780
	11/18/91#	NLPH	6.90	10.44					
	12/11/91#	NLPH	7.01	10.33					
	01/21/92	NLPH	6.25	11.09	6,000	1,300	320	510	1,200
	02/20/92#	NLPH	4.79	12.55					
	03/19/92#	NLPH	4.70	12.54					
	04/24/92	sheen	5.25	12.09	11,000	1,700	630	710	1,800
	05/13/92#	sheen	5.32	11.72					
	06/24/92#	sheen	6.19	11.15					
	07/16/92	sheen	6.51	10.83	5,400	870	240	440	700
	08/19/92#	NLPH	6.35	10.49					
	09/24/92	NLPH	7.17	10.17	5,900	1,300	130	530	690
	02/05/93	NLPH	4.61	12.73	15,000	2,300	820	980	2,200
	04/30/93	NLPH	5.59	11.75	21,000	4,000	960	1,500	2,900
	05/14/93#	NLPH	6.50	10.94					
	07/15/93	NLPH	7.50	9.84	2,300	440	55	130	220
	10/21/93#	NM	7.77	9.57					
	11/18/93	NLPH	8.27	9.07	5,100	820	160	260	760
	11/30/93	—	8.02	9.32	—	—	—	—	—
MW-5 (16,71)	12/17/93#	NM	7.04	10.30					
	01/31/94#	NM	6.36	10.98					
	02/24-25/94	NLPH	5.78	11.56	9,800	2,200	190	560	1,200
	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					
	06/01/89	sheen	5.83	10.88	5,200	240	220	130	690
	09/18/89	NLPH	6.52	10.19	8,000	340	150	140	460
	10/20/89#	NLPH	6.72	9.99					
	11/22/89#	NLPH	6.54	10.17					
	12/11/89	NLPH	6.21	10.50	15,000	720	320	450	870
	02/13/90#	NLPH	5.80	11.11					
	03/07/90#	NM	NM	—					
	03/13/90	NLPH	5.54	11.17	10,000	3,400	220	280	800
	04/18/90#	NLPH	5.75	10.96					
	05/23/90#	NLPH	5.98	10.73					
	06/14/90	NLPH	5.81	10.90	12,000	3,300	160	350	730
	08/21/90#	NLPH	5.51	10.20					

See notes on page 11 of 11.

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station No. 7-0104
1725 Park Street
Alameda, California
(Page 6 of 11)

Well ID # (TOC)	Sampling Date	SUBJ	OTW < feet >	Elev.	TPHg < >	S	T	E	X	
									parts per billion	>
MW-5 cont. (16.71)	09/19/90	NLPH	6.70	10.01	3,500	1,300	85	120	160	
	12/17/90	sheen	6.24	10.47	18,000	2,300	810	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	580	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	630	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	4.83	11.38						
	03/19/92#	sheen	4.83	11.38						
	04/24/92	sheen	5.32	11.39	12,000	2,500	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	10,000	4,000	48	880	720	
	08/19/92#	sheen	6.53	10.18						
	09/24/92	sheen	6.30	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	5,900	450	1,900	1,500	
	05/14/93#	NLPH	7.31	9.40						
	07/15/93#	0.07	7.93	8.34						
MW-6 (17.56)	10/21/93#	NM	7.25	9.46						
	11/15/93#	0.04	8.42	8.32						
	11/30/93#	—	8.10	8.81						
	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						
	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	5.95	10.61	17,000	650	410	550	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.

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station No. 7-0104

1725 Park Street

Alameda, California

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Well ID # (TOC)	Sampling Date	SUBJ < >	OTW feet	Elev.	TPHg < >	S	T	E	X
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	6.25	11.30					
	05/23/90#	NLPH	6.42	11.14					
	06/14/90	NLPH	6.19	11.37	38,000	9,100	7,300	2,900	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	890	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	11.93					
	07/24/91	NLPH	6.72	10.94	48,000	5,400	2,300	2,900	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	6.10	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	8,000	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	4.84	12.72	26,000	2,500	4,300	1,700	5,300
	04/30/93	NLPH	5.89	11.87	9,600	1,000	410	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	7.95	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.

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TABLE 1
 CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station No. 7-0104
 1725 Park Street
 Alameda, California
 (Page 8 of 11)

Well ID # (TOC)	Sampling Date	SUBJ < >	DTW feet < >	Elev. —	TPHg < >	S	T	E	X
MW-7 (17.12)	01/09/90	NM	NM	—	17,000	380	180	330	1,300
	02/13/90#	NLPN	4.98	12.14					
	03/13/90	NLPN	4.94	12.18	16,000	360	270	83	460
	05/23/90#	NLPN	5.87	11.25					
	06/14/90	NLPN	5.58	11.57	14,000	1,200	2,300	75	930
	09/19/90	NLPN	6.79	10.33	16,000	2,300	95	2,500	1,700
	12/17/90	NLPN	6.15	10.97	75,000	2,600	7,000	3,300	14,000
	01/31/91#	NLPN	6.54	10.48					
	02/25/91#	NLPN	5.30	11.32					
	03/19/91	NLPN	4.96	12.16	44,000	1,600	740	3,400	8,500
	04/22/91#	NLPN	4.82	12.30					
	05/17/91#	NLPN	5.18	11.94					
	07/24/91	NLPN	6.22	10.90	18,000	1,300	160	2,700	1,000
	09/10/91#	NLPN	6.71	10.41					
	09/23/91#	NLPN	6.84	10.28					
	10/21/91#	NLPN	7.00	10.12					
	10/22/91	—	—	—	10,000	990	26	1,300	490
	11/18/91#	NLPN	5.58	10.58					
	12/11/91#	NLPN	6.58	10.44					
	01/21/92	NLPN	5.99	11.13	23,000	2,200	3,000	1,300	6,100
	02/20/92#	NLPN	4.36	12.75					
	03/19/92#	NLPN	4.22	12.90					
	04/24/92	NLPN	4.84	12.28	25,000	1,400	220	2,100	2,800
	05/13/92#	NLPN	5.24	11.98					
	06/24/92#	NLPN	6.04	11.08					
	07/16/92	NLPN	6.19	10.93	8,700	470	45	970	86
	08/19/92#	NLPN	6.55	10.57					
	09/24/92	NLPN	6.83	10.29	9,200	560	48	1,300	54
	02/05/93	NLPN	4.11	13.01	33,000	1,100	2,300	1,200	4,200
	04/30/93b	NLPN	5.29	11.83	13,000	240	85	710	320
	05/14/93#	NLPN	5.91	11.21					
	07/15/93	NLPN	7.07	10.05	6,900	200	30	500	48
	10/21/93#	NM	7.55	9.57					
	11/16/93	NLPN	7.35	9.27	7,400	300	85	480	120
	11/30/93#	NM	7.66	9.46					
	12/17/93#	NM	6.75	10.37					
	01/31/94#	NM	6.22	10.90					
	02/24-25/94	NLPN	5.52	11.80	7,200	470	120	400	330

See notes on page 11 of 11.

0311MGUE.FIN\170077.20

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station No. 7-0104
1725 Park Street
Alameda, California
(Page 9 of 11)

Well ID # (TOC)	Sampling Date	SUBJ	DTW < feet >	Elev.	TPHg < >	parts per billion				
						S	T	E	X	>
MW-3 (16.33)	05/14/93	NLPH	6.54	9.79	<50	<0.5	<1.0	<0.5	<0.5	<0.5
	07/15/93	NLPH	6.57	9.75	<50	<0.5	<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	<0.5
	11/30/93	—	6.34	9.39	—	—	—	—	—	—
	12/17/93#	NM	6.48	9.85						
	01/31/94#	NM	6.13	10.20						
	02/24-25/94	NLPH	6.30	10.53	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3 (16.62)	05/14/93	NLPH	6.61	9.01	<50	<0.5	<1.0	<0.5	<0.5	<0.5
	07/15/93	NLPH	6.79	8.83	<50	<0.5	<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	<0.5
	11/30/93	—	6.98	8.54	—	—	—	—	—	—
	12/17/93#	NM	6.73	8.37						
	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	<0.5
MW-10 (16.79)	05/14/93	NLPH	6.91	9.88	97	<0.5	<0.5	9.8	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	<0.5
	11/30/93	—	7.96	8.33	—	—	—	—	—	—
	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	280	<0.5	<0.5	12	7.0	
EW-1 (16.22)	10/21/93#	NM	6.87	9.55						
	12/17/93#	NM	10.09	6.13						
	01/31/94#	NM	5.38	10.84						
	02/24-25/94	NLPH	5.58	10.84	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	<0.5	<0.5

See notes on page 11 of 11.

0311MGUE.FIN\170077.20

TABLE 1
 CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Exxon Service Station No. 7-0104
 1725 Park Street
 Alameda, California
 (Page 10 of 11)

Well ID # (TOC)	Sampling Date	SUBJ	DTW < feet >	Elev.	TPHg < >	S	T	E	X
EW-4 (15.51)	10/21/93#	NM	6.13	9.48					
	12/17/93#	NM	14.80	1.01					
	01/31/94#	NM	5.08	10.53					
	02/24-25/94	LPH	14.88	0.73	4,600	1,300	140	13	450
EW-5 (16.51)	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	0.88	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	—	—	—	230	<0.5	<0.5	<0.5	<0.5
Maximum Contaminant Levels (MCLs) (DHS)					—	1.0	—	380	1,750
Drinking Water Action Level (DWAL) (DHS)					—	—	100	—	—

See notes on page 11 of 11.

0311MGUE.FIN\170077.20

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Exxon Service Station No. 7-0104

1725 Park Street

Alameda, California

(Page 11 of 11)

Well ID #	Sampling (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	a	T	E	X
			< >	< >						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
- STEX = Benzene, Toluene, Ethylbenzene, and total Xylenes analyzed using EPA method 5030/8020
- NM = Not Monitored
- NLPH = No liquid-phase petroleum hydrocarbons present in well
- UPH = 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-tet-butyl-ether (MTBE).



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MA 75
Sampled: 04/27/95
Received: 04/28/95

Analyzed: 05/03/95
Reported: 05/05/95

Delta Environmental Consults
3330 Data Drive
Rancho Cordova, CA 95670

Attention: Linda McGahan

Client Proj. ID: Exxon 7-0104 Alameda
Sample Descript: MW-1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9504J50-01

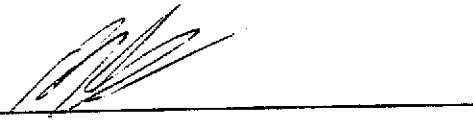
QC Batch Number: GC050395BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	4700
Benzene	5.0	460
Toluene	5.0	41
Ethyl Benzene	5.0	340
Xylenes (Total)	5.0	270
Chromatogram Pattern: Gas & Unidentified HC	< C8
Surrogates		Control Limits %
Trifluorotoluene	70	130
		% Recovery
		91

Analytes reported as N.D. were not present above the stated limit of detection.

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Mike Gregory
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Delta Environmental Consults
3330 Data Drive
Rancho Cordova, CA 95670

Attention: Linda McGahan

Client Proj. ID: Exxon 7-0104 Alameda
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9504J50-05

Sampled: 04/27/95
Received: 04/28/95

Analyzed: 05/04/95
Reported: 05/05/95

QC Batch Number: GC050395BTEX20A
Instrument ID: GCHP20

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	44000
Benzene	50	7000
Toluene	50	840
Ethyl Benzene	50	2400
Xylenes (Total)	50	3400
Chromatogram Pattern:		Gas
Surrogates		Control Limits %
Trifluorotoluene		70 130
		% Recovery
		110

Analytes reported as N.D. were not present above the stated limit of detection.

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Mike Gregory
Project Manager

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Delta Environmental Consults
3330 Data Drive
Rancho Cordova, CA 95670

Attention: Linda McGahan

Client Proj. ID: Exxon 7-0104 Alameda
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9504J50-04

Sampled: 04/27/95
Received: 04/28/95

Analyzed: 05/03/95
Reported: 05/05/95

QC Batch Number: GC050395BTEX20A
Instrument ID: GCHP20

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1000	7500
Benzene	10	940
Toluene	10	35
Ethyl Benzene	10	810
Xylenes (Total)	10	530
Chromatogram Pattern:		Gas
Surrogates		Control Limits %
Trifluorotoluene	70	130
		% Recovery
		107

Analytes reported as N.D. were not present above the stated limit of detection.

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Delta Environmental Consults
3330 Data Drive
Rancho Cordova, CA 95670

Attention: Linda McGahan

Client Proj. ID: Exxon 7-0104 Alameda
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9504J50-02

Sampled: 04/27/95
Received: 04/28/95

Analyzed: 05/03/95
Reported: 05/05/95

QC Batch Number: GC050395BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	5900
Benzene	5.0	650
Toluene	5.0	130
Ethyl Benzene	5.0	350
Xylenes (Total)	5.0	590
Chromatogram Pattern:		Gas
Surrogates		
Trifluorotoluene	Control Limits % 70	% Recovery 130 77

Analytes reported as N.D. were not present above the stated limit of detection.

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Delta Environmental Consults
3330 Data Drive
Rancho Cordova, CA 95670

Attention: Linda McGahan

Client Proj. ID: Exxon 7-0104 Alameda
Sample Descript: MW-5
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9504J50-06

Sampled: 04/27/95
Received: 04/28/95

Analyzed: 05/03/95
Reported: 05/05/95

QC Batch Number: GC050395BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	14000
Benzene	50	2200
Toluene	50	72
Ethyl Benzene	50	540
Xylenes (Total)	50	350
Chromatogram Pattern:		Gas
Surrogates		Control Limits %
Trifluorotoluene		70 130
		% Recovery
		75

Analytes reported as N.D. were not present above the stated limit of detection.

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Delta Environmental Consults
3330 Data Drive
Rancho Cordova, CA 95670

Attention: Linda McGahan

Client Proj. ID: Exxon 7-0104 Alameda
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9504J50-03

Sampled: 04/27/95
Received: 04/28/95

Analyzed: 05/03/95
Reported: 05/05/95

QC Batch Number: GC050395BTEX20A
Instrument ID: GCHP20

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	3900
Benzene	5.0	340
Toluene	5.0	40
Ethyl Benzene	5.0	460
Xylenes (Total)	5.0	320
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70	130
		107

Analytes reported as N.D. were not present above the stated limit of detection.

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Mike Gregory
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Delta Environmental Consults
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Rancho Cordova, CA 95670

Attention: Linda McGahan

Client Proj. ID: Exxon 7-0104 Alameda
Sample Descript: MW-7
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9504J50-07

Sampled: 04/27/95
Received: 04/28/95

Analyzed: 05/03/95
Reported: 05/05/95

QC Batch Number: GC050395BTEX20A
Instrument ID: GCHP20

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1250	8800
Benzene	12	410
Toluene	12	32
Ethyl Benzene	12	410
Xylenes (Total)	12	230
Chromatogram Pattern:		Gas
Surrogates		Control Limits %
Trifluorotoluene		70 130
		% Recovery
		105

Analytes reported as N.D. were not present above the stated limit of detection.

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Mike Gregory
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Delta Environmental Consults
3330 Data Drive
Rancho Cordova, CA 95670

Attention: Linda McGahan

Client Proj. ID: Exxon 7-0104 Alameda
Sample Descript: MW-8
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9504J50-09

Sampled: 04/27/95
Received: 04/28/95

Analyzed: 05/03/95
Reported: 05/05/95

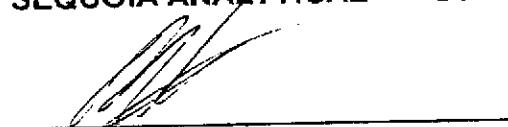
QC Batch Number: GC050295BTEX20A
Instrument ID: GCHP20

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
 Surrogates		
Trifluorotoluene	Control Limits % 70	% Recovery 130

Analytes reported as N.D. were not present above the stated limit of detection.

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Delta Environmental Consults
3330 Data Drive
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Attention: Linda McGahan

Client Proj. ID: Exxon 7-0104 Alameda
Sample Descript: MW-9
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9504J50-10

Sampled: 04/27/95
Received: 04/28/95
Analyzed: 05/03/95
Reported: 05/05/95

QC Batch Number: GC050295BTEX20A
Instrument ID: GCHP20

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates		Control Limits %
Trifluorotoluene		70 130
		% Recovery 105

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
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Delta Environmental Consults
3330 Data Drive
Rancho Cordova, CA 95670

Attention: Linda McGahan

Client Proj. ID: Exxon 7-0104 Alameda
Sample Descript: MW-10
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9504J50-08

Sampled: 04/27/95
Received: 04/28/95

Analyzed: 05/04/95
Reported: 05/05/95

QC Batch Number: GC0503958TEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	140
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	5.4
Xylenes (Total)	0.50	1.3
Chromatogram Pattern:		Gas
Surrogates		Control Limits %
Trifluorotoluene		70 130
		% Recovery
		84

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

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**Sequoia
Analytical**

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Delta Environmental Consultants
3330 Data Drive
Rancho Cordova, CA 95670
Attention: Linda McGahan

Client Project ID: Exxon 7-0104 Alameda
Matrix: Liquid
Work Order #: 9504J50 -01, 02, 06

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC050395BTEX21A	GC050395BTEX21A	GC050395BTEX21A	GC050395BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J.Minkel	J.Minkel	J.Minkel	J.Minkel
MS/MSD #:	G9504I61-12H	G9504I61-12H	G9504I61-12H	G9504I61-12H
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/3/95	5/3/95	5/3/95	5/3/95
Analyzed Date:	5/3/95	5/3/95	5/3/95	5/3/95
Instrument I.D. #:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
Result:	7.5	8.4	9.7	28
MS % Recovery:	75	84	97	93
Dup. Result:	7.9	8.8	10	29
MSD % Recov.:	79	88	100	97
RPD:	5.2	4.7	3.0	3.5
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:

Prepared Date:
Analyzed Date:
Instrument I.D. #:
Conc. Spiked:

LCS Result:
LCS % Recov.:

MS/MSD	71-133	72-128	72-130	71-120
LCS				
Control Limits				

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 matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

9504J50.BLT <1>

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference





**Sequoia
Analytical**

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

Delta Environmental Consultants
3330 Data Drive
Rancho Cordova, CA 95670
Attention: Linda McGahan

Client Project ID: Exxon 7-0104 Alameda
Matrix: Liquid

Work Order #: 9504J50 -03, 04, 05, 07

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC050395BTEX20A	GC050395BTEX20A	GC050395BTEX20A	GC050395BTEX20A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J.Minkel	J.Minkel	J.Minkel	J.Minkel
MS/MSD #:	G9504I61-12H	G9504I61-12H	G9504I61-12H	G9504I61-12H
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/3/95	5/3/95	5/3/95	5/3/95
Analyzed Date:	5/3/95	5/3/95	5/3/95	5/3/95
Instrument I.D. #:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
Result:	10	10	10	30
MS % Recovery:	100	100	100	100
Dup. Result:	9.3	9.4	9.3	27
MSD % Recov.:	93	94	93	90
RPD:	7.3	6.2	7.3	11
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:

Prepared Date:
Analyzed Date:
Instrument I.D. #:
Conc. Spiked:

LCS Result:
LCS % Recov.:

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

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SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

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**Sequoia
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FAX (916) 921-0100

Delta Environmental Consultants
3330 Data Drive
Rancho Cordova, CA 95670
Attention: Linda McGahan

Client Project ID: Exxon 7-0104 Alameda
Matrix: Liquid
Work Order #: 9504J50 -08

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC050395BTEX17A	GC050395BTEX17A	GC050395BTEX17A	GC050395BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J.Minkel	J.Minkel	J.Minkel	J.Minkel
MS/MSD #:	G9504I61-10H	G9504I61-10H	G9504I61-10H	G9504I61-10H
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/3/95	5/3/95	5/3/95	5/3/95
Analyzed Date:	5/3/95	5/3/95	5/3/95	5/3/95
Instrument I.D. #:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
Result:	8.7	9.0	9.0	27
MS % Recovery:	87	90	90	90
Dup. Result:	9.2	9.5	9.5	28
MSD % Recov.:	92	95	95	93
RPD:	5.6	5.4	5.4	3.6
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:

Prepared Date:
Analyzed Date:
Instrument I.D. #:
Conc. Spiked:

LCS Result:
LCS % Recov.:

MS/MSD	71-133	72-128	72-130	71-120
LCS Control Limits				

Please Note:

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9504J50.BLT <3>

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager





**Sequoia
Analytical**

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Delta Environmental Consultants
3330 Data Drive
Rancho Cordova, CA 95670
Attention: Linda McGahan

Client Project ID: Exxon 7-0104 Alameda
Matrix: Liquid

Work Order #: 9504J50 -09, 10

Reported: May 5, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC050295BTEX20A	GC050295BTEX20A	GC050295BTEX20A	GC050295BTEX20A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J.Minkel	J.Minkel	J.Minkel	J.Minkel
MS/MSD #:	G9504I61-12G	G9504I61-12G	G9504I61-12G	G9504I61-12G
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/2/95	5/2/95	5/2/95	5/2/95
Analyzed Date:	5/2/95	5/2/95	5/2/95	5/2/95
Instrument I.D. #:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 ug/L	10 ug/L	10 ug/L	30 ug/L
Result:	9.6	9.8	9.8	30
MS % Recovery:	96	98	98	100
Dup. Result:	9.4	9.4	9.3	28
MSD % Recov.:	94	94	93	93
RPD:	2.1	4.2	5.2	6.9
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:

Prepared Date:
Analyzed Date:
Instrument I.D. #:
Conc. Spiked:

LCS Result:
LCS % Recov.:

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

Please Note:

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9504J50.DLT ~4>

SEQUOIA ANALYTICAL


Mike Gregory
Project Manager

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Sequoia Analytical
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(415) 364-9600 • FAX (415) 364-9233

EXXON COMPANY, U.S.A.

P.O. Box 2100, Houston, TX 77002-7426

CHAIN OF CUSTODY

9504J50

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Consultant's Name: DELTA ENVIRONMENTAL CONSULTANTS, INC.

Address: 3330 DATA DR., RANCHO CORDOVA, CA 95160

Project #:

Consultant Project #: D094-822

Project Contact: LINDA McGAHAN

Phone #: (916) 638-2085

EXXON Contact: MARLA GUENSLER

Phone #: (510) 2416-8776

Sampled by (print): STACY STOUP

Sampler's Signature: *Stacy Stoup*

Shipment Method:

Air Bill #:

Site Location: ALAMEDA

Consultant Work Release #: 17432-777

Laboratory Work Release #:

EXXON RAS #: 7-0104

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				Temperature: _____
MW-1	4-27-95	0838	H2O	HCl	3	1	X						
MW-4		0855				2							
MW-6		0916				3							
MW-3		0932				4							
MW-2		0945				5							
MW-5		1000				6							
MW-7		1010				7							
MW-10		1040				8							
MW-8		1100				9							

Inbound Seal: Yes No

Outbound Seal: Yes No

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Tom Morris / Delta	4-27-95	1345	Stacy O'Brien / Sequoia	4-27-95	1345	
Stacy O'Brien / Sequoia	4-27-95	1730	Stacy O'Brien / Sequoia	4-27-95	1730	



**Sequoia Analytical
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CHAIN OF CUSTODY

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Page 2 of 2

Consultant's Name: DELTA ENVIRONMENTAL CONSULTANTS, INC