EXXON COMPANY, U.S.A.

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MARKETING DEPARTMENT • ENVIRONMENTAL ENGINEERING

MARLA D. GUENSLER
SENIOR ENGINEER

(510) 246-8776
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#3601
EC

August 20, 1997

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

RE: EXXON RAS #7-0104/1725 Park Street, Alameda, California

Dear Ms. Shin:

Attached for your review and comment is a report entitled *Quarterly Ground Water Monitoring Report, Second and Third Quarters 1997* for the above referenced site. This report was prepared by Delta Environmental Consultants, Inc., of Rancho Cordova, California, and details the results of the July 1997 ground water monitoring and sampling event.

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

Sincerely,

Marla D. Guensler
Senior Engineer

MDG/tjm

attachment: Delta's *Quarterly Ground Water Monitoring Report, Second and Third Quarters 1997,* dated August 22, 1997

cc: w/attachment
Mr. Richard Hiett - California Regional Water Quality Control Board, San Francisco Bay Region
Mr. Larry Seto - Alameda County Department of Environmental Health

w/o attachment
Mr. Richard D. Munsch - Delta Environmental Consultants, Inc.

Delta
Environmental
Consultants, Inc.

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

August 22, 1997

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

Subject: *Quarterly Ground Water Monitoring Report, Second and Third Quarters 1997*
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 activities 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 April 10, and July 10, 1997. 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

Depth to ground water was measured on July 10, 1997, in monitoring wells MW-1, MW-2, MW-4 through MW-7, MW-10, and MW-11. Depth to ground water was not measured in monitoring wells MW-3, MW-8, MW-9, MW-12, or recovery wells EW-1 through EW-5. Depth to ground water will be measured in all accessible wells during subsequent monitoring events during the first and third quarters. Ground water depths in the measured wells ranged from 7.30 (MW-11) to 7.65 (MW-5) feet below the top of the well casings. Ground water elevations in the measured monitoring wells decreased approximately 2.7 feet from the January 1997 measurements. 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 July 10, 1997, is included as Figure 3. The contour map indicates a ground water flow direction toward monitoring well MW-5 and recovery well EW-2. The ground water treatment system was operating during the monitoring event. The historical ground water flow direction is towards the east, when the ground water treatment system is not operational.

Subjective Analysis

Liquid-phase petroleum hydrocarbons were not observed in any monitoring wells during the third quarter 1997 site visit.

Monitoring Well Sampling and Analytical Results

The Alameda County Health Services (ACHS) authorized a reduction in sampling at the site. This reduction requires monitoring wells MW-6 and MW-11 to be sampled quarterly, monitoring wells MW-1, MW-2, MW-4, MW-5, MW-7, and MW-10 to be sampled semi-annually during the first and the third quarters, and the discontinuation of sampling monitoring wells MW-3, MW-8, MW-9, and MW-12, and extraction wells EW-1 through EW-5. A copy of the ACHS letter is included in Enclosure C. The ACHS requested a one-time analysis for methyl tertiary butyl ether (MTBE) utilizing EPA 8260 on samples collected from monitoring wells MW-2, MW-5, and MW-11 which was performed during the first quarter 1997 monitoring event.

A ground water sample was collected from monitoring well MW-11 on April 10, 1997, and submitted to Sequoia Analytical (a California-certified laboratory) for analyses of benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by EPA Method 8020, and total purgeable petroleum hydrocarbons (TPPH) as gasoline by EPA Method 8015 Modified. A sample was not collected from monitoring well MW-6 because the well was not accessible. The analytical results for the sample collected from MW-11 are summarized in Table 1. A copy of the laboratory analytical report and chain-of-custody documentation is presented in Enclosure D.

Ground water samples were collected from monitoring wells MW-1, MW-2, MW-4 through MW-7, MW-10, and MW-11 on July 10, 1997, and submitted to Sequoia Analytical for analyses of BTEX and MTBE by EPA Method 8020, and TPPH as gasoline by EPA Method 8015 Modified. Monitoring well MW-5 was additionally analyzed for MTBE by EPA Method 8260. Cumulative analytical results from samples collected by Delta are presented in Table 1. 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 July 1997 monitoring event reported detectable concentrations of TPPH as gasoline ranging from 580 micrograms per liter (µg/L) in MW-1 to 42,000 µg/L (MW-11). Detectable concentrations of benzene ranged from 10 µg/L (MW-1) to 2,900 µg/L (MW-2). The ground water sample collected from monitoring well MW-10 did not report detectable concentrations of any analyte. Detectable MTBE concentrations ranged from 12 µg/L (MW-1) to 52,000 µg/L (MW-5).

A dissolved benzene concentration map based on analytical results for ground water samples collected on July 10, 1997, is included as Figure 4. A copy of the laboratory analytical report with chain-of-custody documentation is presented in Enclosure D.

Ground Water Remediation System Status

The ground water remediation system is sampled on a monthly basis, as required in the discharge permit issued by the East Bay Municipal Utility District (EBMUD). Influent and effluent water samples are collected for analyses of BTEX by EPA Method 5030/8020, and TPPH 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 October 1997, at which time monitoring wells MW-6 and MW-11 will be sampled. 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
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

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

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 Richard Munsch at (916) 638-2085.

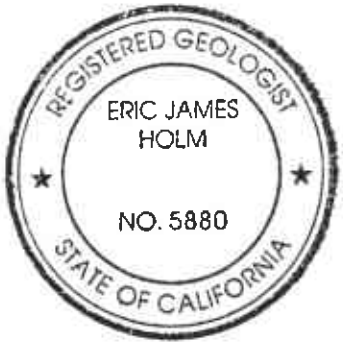
Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

William L. Brattain
Project Engineer

Richard D. Munsch
Project Manager

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



WLB (LRP010.832)
Enclosures

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-1	09/12/94	17.35	7.11	10.24	200	1.9	210	6.6	1,600[a]	NA	No LPH or Sheen
	10/01/94		7.44	9.91	200	<0.5	160	6.6	1,400[a]	NA	No LPH or Sheen
	01/13/95		5.13	12.22	410[b]	17	280[b]	89	2,100[a]	NA	No LPH or Sheen
	04/27/95		6.57	10.78	460	41	340	270	4,700	NA	No LPH or Sheen
	08/03/95		7.46	9.89	140	<5.0	160	9.9	1,900	30	No LPH or Sheen
	10/17/95		7.67	9.68	6.2	<0.5	13	0.75	280	5.5	No LPH or Sheen
	01/24/96		6.52	10.83	21	1.4	38	3.1	740	440	No LPH or Sheen
	04/24/96		5.95	11.40	200	110	1,000	740	7,800	250	No LPH or Sheen
	07/26/96		7.60	9.75	8	0.99	26	1	620	23	No LPH or Sheen
	10/30/96		8.06	9.29	14	2.9	85	3.5	700	33	No LPH or Sheen
	01/31/97		5.12	12.23	420	33	1,400	480	7,600	<200	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		7.54	9.81	10	<0.5	<0.5	<0.5	580	12	No LPH or Sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-2	09/12/94	16.67	6.71	9.96	4,400	120	1,700	2,100	31,000[a]	NA	No LPH or Sheen
	10/01/94		7.22	9.45	4,500	250	1,800	2,400	45,000[a]	NA	Sheen
	01/13/95		4.46	12.22	NS	NS	NS	NS	NS	NA	LPH Thickness 0.01
	04/27/95		6.92	9.75	7,000	840	2,400	3,400	44,000	NA	No LPH or Sheen
	08/03/95		6.96	9.71	4,600	170	1,600	1,100	30,000	37,000	No LPH or Sheen
	10/17/95		7.83	8.84	5,400	190	2,000	1,500	45,000	14,000	No LPH or Sheen
	01/24/96		6.45	10.22	5,000	810	2,200	2,200	30,000	4,100	No LPH or Sheen
	04/24/96		6.00	10.67	8,700	410	2,200	2,000	34,000	22,000	No LPH or Sheen
	07/26/96		7.14	9.53	10,000	<200	1,800	760	40,000	18,000	No LPH or Sheen
	10/30/96		6.95	9.72	9,100	<250	2,400	730	43,000	18,000	No LPH or Sheen
	01/31/97		5.07	11.60	2,400	630	1,500	3,300	28,000	8,000[c]	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		7.34	9.33	2,900	82	1,500	530	18,000	2,600	No LPH or Sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-3	09/12/94	17.11	6.58	10.53	580	8	340	100	3,100[a]	NA	No LPH or Sheen
	10/01/94		6.85	10.26	640	11	230	130	3,800[a]	NA	No LPH or Sheen
	01/13/95		5.27	11.84	690	24	210	130	3,800[a]	NA	No LPH or Sheen
	04/27/95		6.05	11.06	940	35	810	530	7500	NA	No LPH or Sheen
	08/03/95		6.71	10.40	380	<5.0	140	45	1,900	24	No LPH or Sheen
	10/17/95		7.46	9.65	950	29	230	190	6,100	<5.0	No LPH or Sheen
	01/24/96		5.83	11.28	730	15	190	110	3,000	<100	No LPH or Sheen
	04/24/96		5.38	11.73	1,200	130	1,000	1,400	11,000	<100	No LPH or Sheen
	07/26/96		6.80	10.31	800	16	24	56	2,500	250	No LPH or Sheen
	10/30/96		7.20	9.91	1,300	28	170	180	5,200	2,900	No LPH or Sheen
	01/31/97		4.31	12.80	NS	NS	NS	NS	NS	NS	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-4	09/12/94	17.34	6.80	10.54	900	57	310	490	5,200[a]	NA	No LPH or Sheen
	10/01/94		7.09	10.25	1,200	66	360	380	9,100[a]	NA	No LPH or Sheen
	01/13/95		4.66	12.68	1,300	200	550	1,000	25,000[c]	NA	No LPH or Sheen
	04/27/95		5.54	11.80	650	130	350	590	5,900	NA	No LPH or Sheen
	08/03/95		6.92	10.42	1,000	<12	170	140	4,200	5,700	No LPH or Sheen
	10/17/95		7.50	9.84	1,300	30	360	380	6,900	1,700	No LPH or Sheen
	01/24/96		5.81	11.53	1,900	46	290	330	6,300	830	No LPH or Sheen
	04/24/96		5.44	11.90	1,800	<20	190	130	5,000	1,600	No LPH or Sheen
	07/26/96		7.03	10.31	1,700	<25	340	280	9,100	1,200	No LPH or Sheen
	10/30/96		7.57	9.77	1,100	35	420	300	5,300	1,500	No LPH or Sheen
	01/31/97		4.22	13.12	1,200	28	490	130	6,500	40,000	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		7.56	9.78	1,100	120	470	720	10,000	11,000	No LPH or Sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-5	09/12/94	16.71	7.12	9.59	2,300	17	320	230	10,000[a]	NA	No LPH or Sheen
	10/01/94		7.06	9.65	2,300	19	220	200	11,000[a]	NA	Sheen
	01/13/95		4.85	11.88	NS	NS	NS	NS	NS	NA	LPH Thickness 0.02
	04/27/95		6.51	10.20	2,200	72	540	350	14,000	NA	No LPH or Sheen
	08/03/95		7.24	9.47	2,100	<100	210	<100	<10,000	39,000	No LPH or Sheen
	10/17/95		7.80	8.91	1,800	14	240	170	13,000	38,000	No LPH or Sheen
	01/24/96		6.66	10.05	2,400	79	340	190	10,000	20,000	No LPH or Sheen
	04/24/96		5.80	10.91	3,700	120	520	170	13,000	33,000	No LPH or Sheen
	07/26/96		7.67	9.04	3,400	53	280	76	15,000	140,000	No LPH or Sheen
	10/30/96		7.77	8.94	2,600	76	260	150	10,000	110,000[a]	No LPH or Sheen
	01/31/97		4.90	11.81	2,400	66	430	140	10,000	34,000[c]	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		7.65	9.06	1,400	120	190	120	9,800	36,000 52,000[c]	No LPH or Sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-6	09/12/94	17.56	6.88	10.68	150	4.4	170	85	1,500[a]	NA	No LPH or Sheen
	10/01/94		7.15	10.41	120	<0.5	99	38	87[a]	NA	No LPH or Sheen
	01/13/95		4.80	12.76	710	220	780	1,100	9,900[a]	NA	No LPH or Sheen
	04/27/95		6.14	11.42	340	40	460	320	3,900	NA	No LPH or Sheen
	08/03/95		6.83	10.73	89	<2.5	110	63	1,100	65	No LPH or Sheen
	10/17/95		7.66	9.90	410	74	850	110	8,500	<5.0	No LPH or Sheen
	01/24/96		5.86	11.70	560	1,500	2,200	7,500	31,000	<5.0	No LPH or Sheen
	04/24/96		5.39	12.17	460	570	1,400	3,300	15,000	280	No LPH or Sheen
	07/26/96		6.97	10.59	270	660	1,600	5,500	27,000	1,300	No LPH or Sheen
	10/30/96		7.45	10.11	490	440	1,800	6,200	28,000	900	No LPH or Sheen
	01/31/97		4.30	13.26	190	1,000	380	1,400	7,000	770	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		7.57	9.99	200	<50	300	860	6,800	1,100	No LPH or Sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-7	09/12/94	17.12	6.43	10.69	490	50	280	70	6,000[a]	NA	No LPH or Sheen
	10/01/94		6.71	10.41	940	670	310	160	8,900[a]	NA	No LPH or Sheen
	01/13/95		4.29	12.83	590	780	970	4,200	20,000[a]	NA	No LPH or Sheen
	04/27/95		5.00	12.12	410	32	410	230	8,800	NA	No LPH or Sheen
	08/03/95		6.53	10.59	390	<50	290	<50[c]	4,900	17,000	No LPH or Sheen
	10/17/95		7.23	9.89	530	26	240	25	6,700	17,000	No LPH or Sheen
	01/24/96		5.26	11.86	2,000	390	350	230	9,300	60,000	No LPH or Sheen
	04/24/96		5.06	12.06	2,400	850	150	130	9,000	360,000	No LPH or Sheen
	07/26/96		6.62	10.50	530	25	60	46	4,800	86,000	No LPH or Sheen
	10/30/96		7.09	10.03	180	9.8	58	38	3,400	28,000	No LPH or Sheen
	01/31/97		3.65	13.47	300	18	48	37	3,800	45,000	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		7.44	9.68	70	<25	<25	<25	3,500	18,000	No LPH or Sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-8	09/12/94	16.33	6.42	9.91	<0.5	<0.5	<0.5	<0.5	<50[a]	NA	No LPH or Sheen
	10/01/94		6.62	9.71	<0.5	<0.5	<0.5	<0.5	<50[a]	NA	No LPH or Sheen
	01/13/95		5.25	11.08	<0.5	<0.5	<0.5	<0.5	<50[a]	NA	No LPH or Sheen
	04/27/95		6.00	10.33	<0.5	<0.5	<0.5	<0.5	<50	NA	No LPH or Sheen
	08/03/95		6.28	10.05	<0.5	<0.5	<0.5	<0.5	<50	<2.5	No LPH or Sheen
	10/17/95		6.93	9.40	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No LPH or Sheen
	01/24/96		5.71	10.62	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No LPH or Sheen
	04/24/96		5.52	10.81	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No LPH or Sheen
	07/26/96		6.27	10.06	<0.5	<0.5	<0.5	<0.5	<50	230	No LPH or Sheen
	10/30/96		6.69	9.64	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No LPH or Sheen
	01/31/97		5.18	11.15	NS	NS	NS	NS	NS	NS	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-9	09/12/94	15.62	6.84	8.78	<0.5	<0.5	<0.5	<0.5	<50[a]	NA	No LPH or Sheen
	10/01/94		6.97	8.65	<0.5	<0.5	<0.5	<0.5	<50[a]	NA	No LPH or Sheen
	01/13/95		6.18	9.44	<0.5	<0.5	<0.5	<0.5	<50[a]	NA	No LPH or Sheen
	04/27/95		6.58	9.04	<0.5	<0.5	<0.5	<0.5	<50	NA	No LPH or Sheen
	08/03/95		6.72	8.90	<0.5	<0.5	<0.5	<0.5	<50	<2.5	No LPH or Sheen
	10/17/95		7.09	8.53	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No LPH or Sheen
	01/24/96		6.46	9.16	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No LPH or Sheen
	04/24/96		6.43	9.19	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No LPH or Sheen
	07/26/96		6.80	8.82	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No LPH or Sheen
	10/30/96		6.94	8.68	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No LPH or Sheen
	01/31/97		6.10	9.52	NS	NS	NS	NS	NS	NS	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-10	09/12/94	16.79	7.04	9.75	<0.5	<0.5	1.6	<0.5	71[a]	NA	No LPH or Sheen
	10/01/94		7.30	9.49	1.1	<0.5	2.8	0.73	330[a]	NA	No LPH or Sheen
	01/13/95		6.04	10.75	<0.5	<0.5	<0.5	<0.5	90[a]	NA	No LPH or Sheen
	04/27/95		6.66	10.13	<0.5	<0.5	5.4	1.3	140	NA	No LPH or Sheen
	08/03/95		7.23	9.56	<0.5	<0.5	<0.5	<0.5	150	<2.5	No LPH or Sheen
	10/17/95		7.93	8.86	<0.5	<0.5	<0.5	<0.5	<50	95	No LPH or Sheen
	01/24/96		6.43	10.36	1.6	0.52	62	28	760	24	No LPH or Sheen
	04/24/96		6.42	10.37	<0.5	<0.5	7.1	<0.5	110	6.8	No LPH or Sheen
	07/26/96		7.47	9.32	<0.5	<0.5	12	0.86	140	<5.0	No LPH or Sheen
	10/30/96		7.88	8.91	<0.5	<0.5	<0.5	<0.5	<50	5.6	No LPH or Sheen
	01/31/97		5.88	10.91	<0.5	<0.5	<0.5	<0.5	<50	10	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		7.32	9.47	<0.5	<0.5	<0.5	<0.5	<50	<2.5	No LPH or Sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-11	10/17/95	18.04	7.72	10.32	3,800	150	950	4,500	34,000	890	No LPH or Sheen
	01/24/96		5.97	12.07	3,800	1,200	2,100	9,800	44,000	<500	No LPH or Sheen
	04/24/96		5.84	12.20	2,900	1,400	1,700	8,300	34,000	720	No LPH or Sheen
	07/26/96		6.98	11.06	4,600	4,200	950	9,500	39,000	800	No LPH or Sheen
	10/30/96		7.54	10.50	4,200	3,600	2,100	9,600	53,000	990	No LPH or Sheen
	01/31/97		5.00	13.04	170	2,500	940	4,300	23,000	310[e]	No LPH or Sheen
	04/10/97		NM	NC	1,200	440	970	6,400	29,000	200	No LPH or Sheen
	07/10/97		7.30	10.74	1,700	870	1,900	12,000	42,000	690	No LPH or Sheen
MW-12	10/17/95	16.30	6.38	9.92	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No LPH or Sheen
	01/24/96		4.86	11.44	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No LPH or Sheen
	04/24/96		4.46	11.84	<0.5	0.68	<0.5	0.72	<50	<5.0	No LPH or Sheen
	07/26/96		5.90	10.40	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No LPH or Sheen
	10/30/96		6.56	9.74	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No LPH or Sheen
	01/31/97		4.57	11.73	NS	NS	NS	NS	NS	NS	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
EW-1	09/12/94	16.22	6.13	10.09	40	<0.5	10	5.4	400[a]	NA	No LPH or Sheen
	10/01/94		7.63	8.59	<0.5	4.4	30	11	3,400[a]	NA	No LPH or Sheen
	01/13/95		11.46	4.76	40	<0.5	12	16	680[a]	NA	No LPH or Sheen
	04/27/95		15.47	0.75	NS	NS	NS	NS	NS	NA	No LPH or Sheen
	08/03/95		13.85	2.37	2.7	<1.2	<1.2	<1.2	<125	590	No LPH or Sheen
	10/17/95		8.05	8.17	220	<0.5	160	36	3,600	400	No LPH or Sheen
	01/24/96		11.07	5.15	4.3	<0.5	1.3	0.53	64	260	No LPH or Sheen
	04/24/96		6.20	10.02	130	2.3	35	2.1	740	3,000	No LPH or Sheen
	07/26/96		13.93	2.29	<0.5	<0.5	<0.5	<0.5	<50	960	No LPH or Sheen
	10/30/96		13.74	2.48	0.52	<0.5	<0.5	<0.5	<50	5,300	No LPH or Sheen
	01/31/97		8.40	7.82	NS	NS	NS	NS	NS	NS	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
EW-2	09/12/94	16.05	6.09	9.96	2,000	79	180	290	8,800[a]	NA	Sheen
	10/01/94		7.32	8.73	1,400	6.7	700	310	9,500[a]	NA	Sheen
	01/13/95		14.38	1.67	930	270	21	280	5,700[a]	NA	No LPH or Sheen
	04/27/95		15.23	0.82	NS	NS	NS	NS	NS	NA	No LPH or Sheen
	08/03/95		7.19	8.86	170	27	36	64	830	1,600	No LPH or Sheen
	10/17/95		18.97	-2.92	<0.5	<0.5	<0.5	5.1	180	3,600	No LPH or Sheen
	01/24/96		20.32	-4.27	290	82	14	170	1,700	6,400	No LPH or Sheen
	04/24/96		9.46	6.59	670	200	110	490	3,500	7,300	No LPH or Sheen
	07/26/96		16.50	-0.45	250	56	10	220	1,400	14,000	No LPH or Sheen
	10/30/96		20.30	-4.25	200	44	8.8	190	1,500	13,000	No LPH or Sheen
	01/31/97		19.21	-3.16	NS	NS	NS	NS	NS	NS	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
EW-3	09/12/94	16.02	6.12	9.90	44	5.9	12	31	300[a]	NA	No LPH or Sheen
	10/01/94		10.52	5.50	12	0.42	1.7	3.7	140[a]	NA	No LPH or Sheen
	01/13/95		18.13	-2.11	4.6	7.6	1.2	6.6	230[a]	NA	No LPH or Sheen
	04/27/95		23.07	-7.05	NS	NS	NS	NS	NS	NA	No LPH or Sheen
	08/03/95		22.90	-6.88	<2.0	<2.0	<2.0	<2.0	<200	1,400	No LPH or Sheen
	10/17/95		22.87	-6.85	4.4	<0.5	<0.5	<0.5	74	2,400	No LPH or Sheen
	01/24/96		20.97	-4.95	16	<0.5	<0.5	<0.5	120	2,300	No LPH or Sheen
	04/24/96		18.10	-2.08	34	3.7	8.9	11	180	3,800	No LPH or Sheen
	07/26/96		13.14	2.88	45	0.7	<0.5	2.1	180	2,000	No LPH or Sheen
	10/30/96		9.24	6.78	60	8.2	<0.5	100	660	2,800	No LPH or Sheen
	01/31/97		11.10	4.92	NS	NS	NS	NS	NS	NS	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
EW-4	09/12/94	16.61	5.69	10.92	1,700	12	210	77	4,000[a]	NA	No LPH or Sheen
	10/01/94		7.90	8.71	100	1.5	15	11	460[a]	NA	No LPH or Sheen
	01/13/95		11.36	5.25	89	8.8	1.6	82	520[a]	NA	No LPH or Sheen
	04/27/95		16.30	0.31	NS	NS	NS	NS	NS	NA	No LPH or Sheen
	08/03/95		6.45	10.16	3,100	1,100	2,000	8,200	42,000	17,000	No LPH or Sheen
	10/17/95		15.89	0.72	6.3	<0.5	<0.5	<0.5	92	2,500	No LPH or Sheen
	01/24/96		6.03	10.58	79	2.5	2.9	10	220	9,200	No LPH or Sheen
	04/24/96		4.97	11.64	49	36	69	1,100	4,600	860	No LPH or Sheen
	07/26/96		6.54	10.07	610	6.2	200	300	2,900	15,000	No LPH or Sheen
	10/30/96		6.53	10.08	68	11	<2.5	71	550	3,400	No LPH or Sheen
	01/31/97		3.98	12.63	NS	NS	NS	NS	NS	NS	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured

TABLE 1

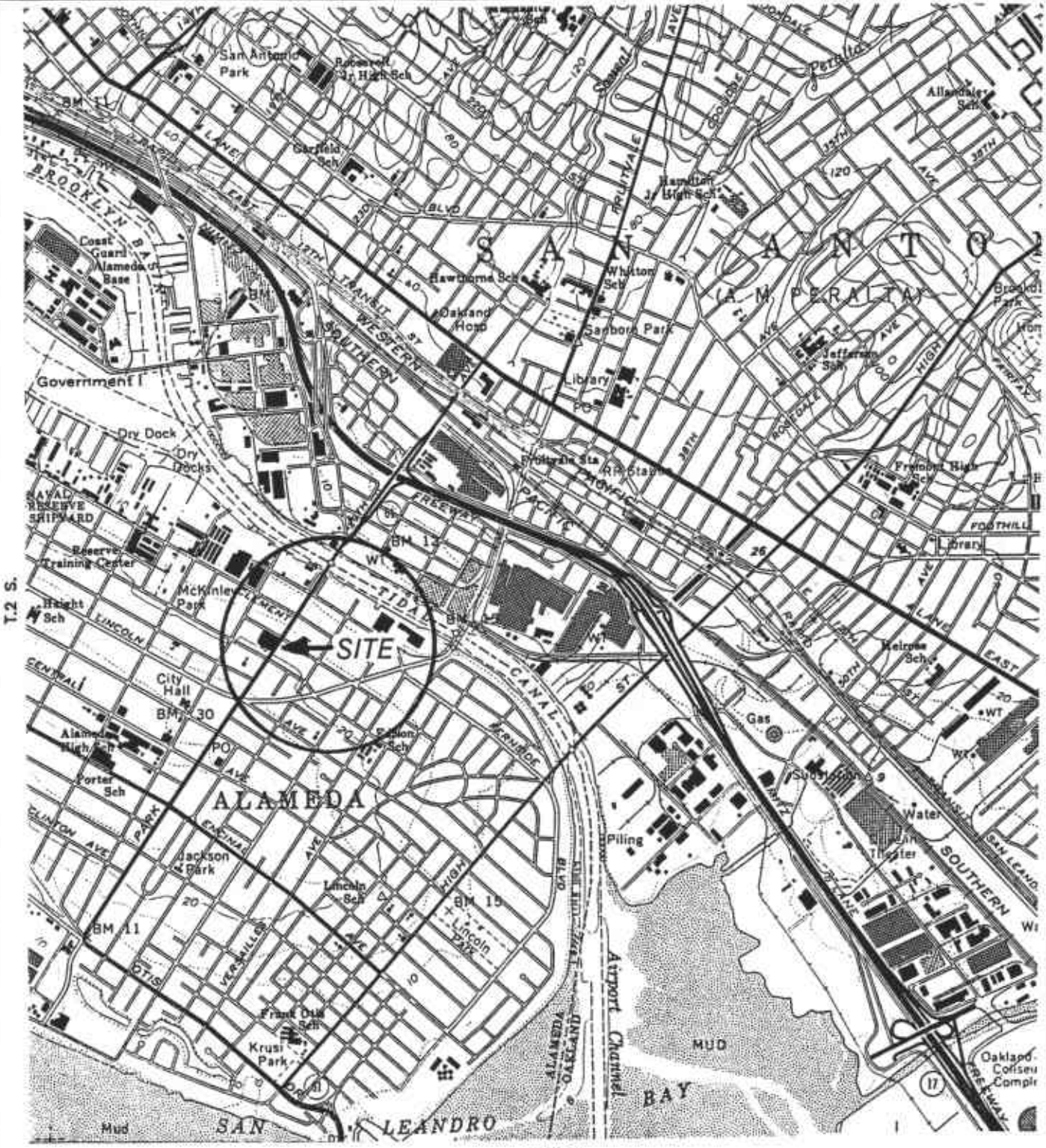
GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Comments
EW-5	09/12/94	16.51	6.30	10.21	26	1.7	11	12	180[a]	NA	No LPH or Sheen
	10/01/94		11.83	4.68	16	0.92	5.7	8.5	130[a]	NA	No LPH or Sheen
	01/13/95		12.54	3.97	0.6	0.8	0.6	2.9	130[a]	NA	No LPH or Sheen
	04/27/95		13.11	3.40	NS	NS	NS	NS	NS	NA	No LPH or Sheen
	08/03/95		11.99	4.52	<0.5	<0.5	<0.5	<0.5	70	210	No LPH or Sheen
	10/17/95		13.43	3.08	1.5	<0.5	<0.5	3	78	50	No LPH or Sheen
	01/24/96		9.72	6.79	280	66	22	370	2,500	350	No LPH or Sheen
	04/24/96		8.13	8.38	690	240	380	1,300	6,400	400	No LPH or Sheen
	07/26/96		10.00	6.51	82	2.5	2.4	100	850	84	No LPH or Sheen
	10/30/96		9.82	6.69	110	5.1	2.2	120	1,200	68	No LPH or Sheen
	01/31/97		9.00	7.51	NS	NS	NS	NS	NS	NS	No LPH or Sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured

[a] Total volatile hydrocarbons by DHS/LUFT Manual Method.
[b] Results obtained from a 1:10 dilution analyzed on January 17,1995.
[c] Methyl tertiary butyl ether by EPA Method 8260 (GC/MS).

Reference Elevation = Elevation relative to mean sea level.
Depth to ground water = Measured from notch/mark or north edge of well casing.
Ground Water Elevation = Adjusted ground water elevations, based on the specific gravity of gasoline as 0.80.
µg/L = Micrograms per liter.
LPH = Liquid-phase petroleum hydrocarbons.
TPPH = Total purgeable petroleum hydrocarbons.
MTBE = Methyl tertiary butyl ether.
NS = Not sampled.
NA = Not analyzed.
NM = Not measured.
NC = Not calculated.



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

North

CALIF

QUADRANGLE LOCATION

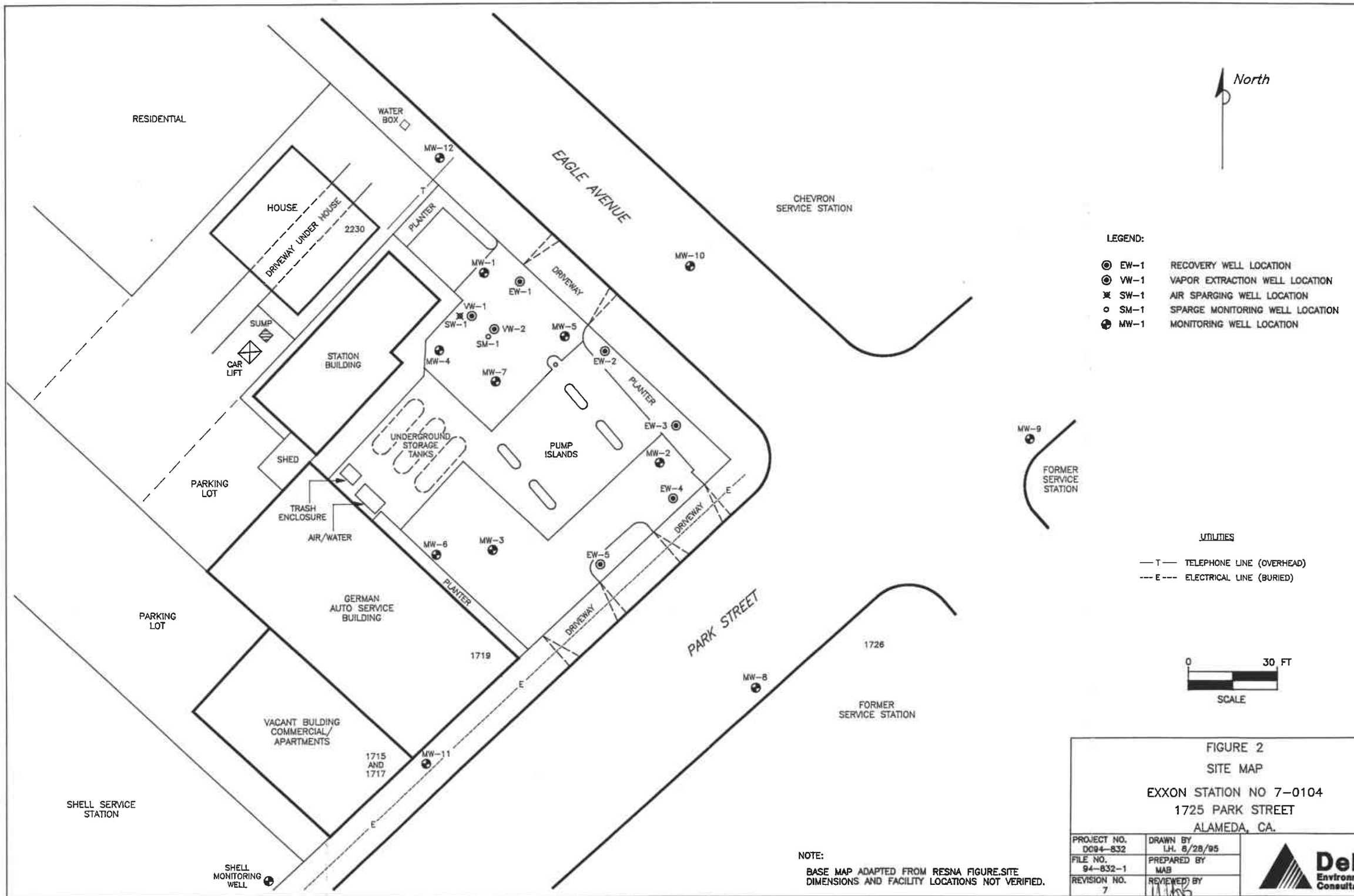
0 2000 FT

SCALE 1 : 24,000

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

PROJECT NO. 0094-832	DRAWN BY I.H. 9/27/94
FILE NO. —	PREPARED BY RDN
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

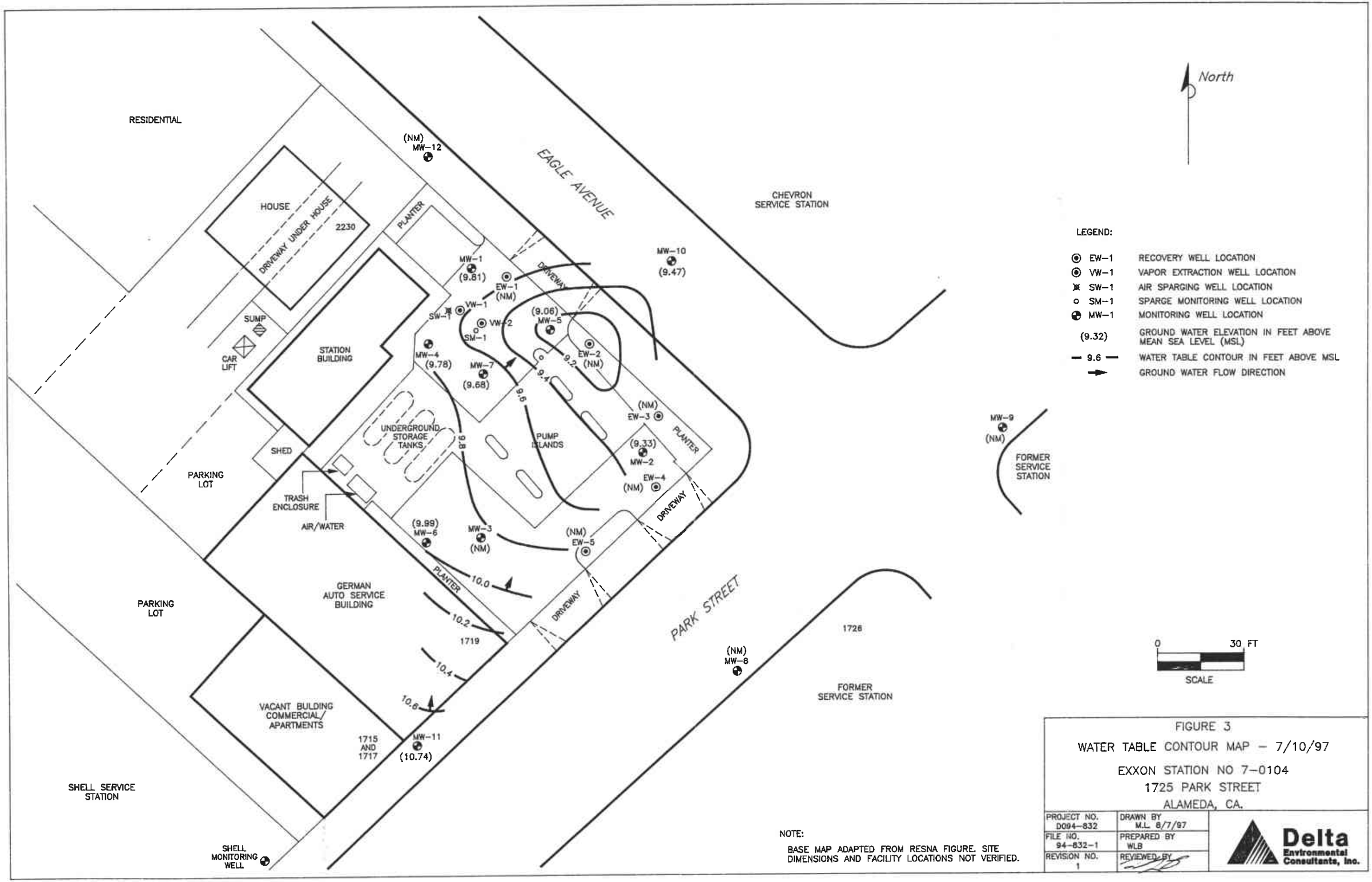
EXXON STATION NO 7-0104

1725 PARK STREET

ALAMEDA, CA.

PROJECT NO. D094-832	DRAWN BY L.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 – 7/10/97

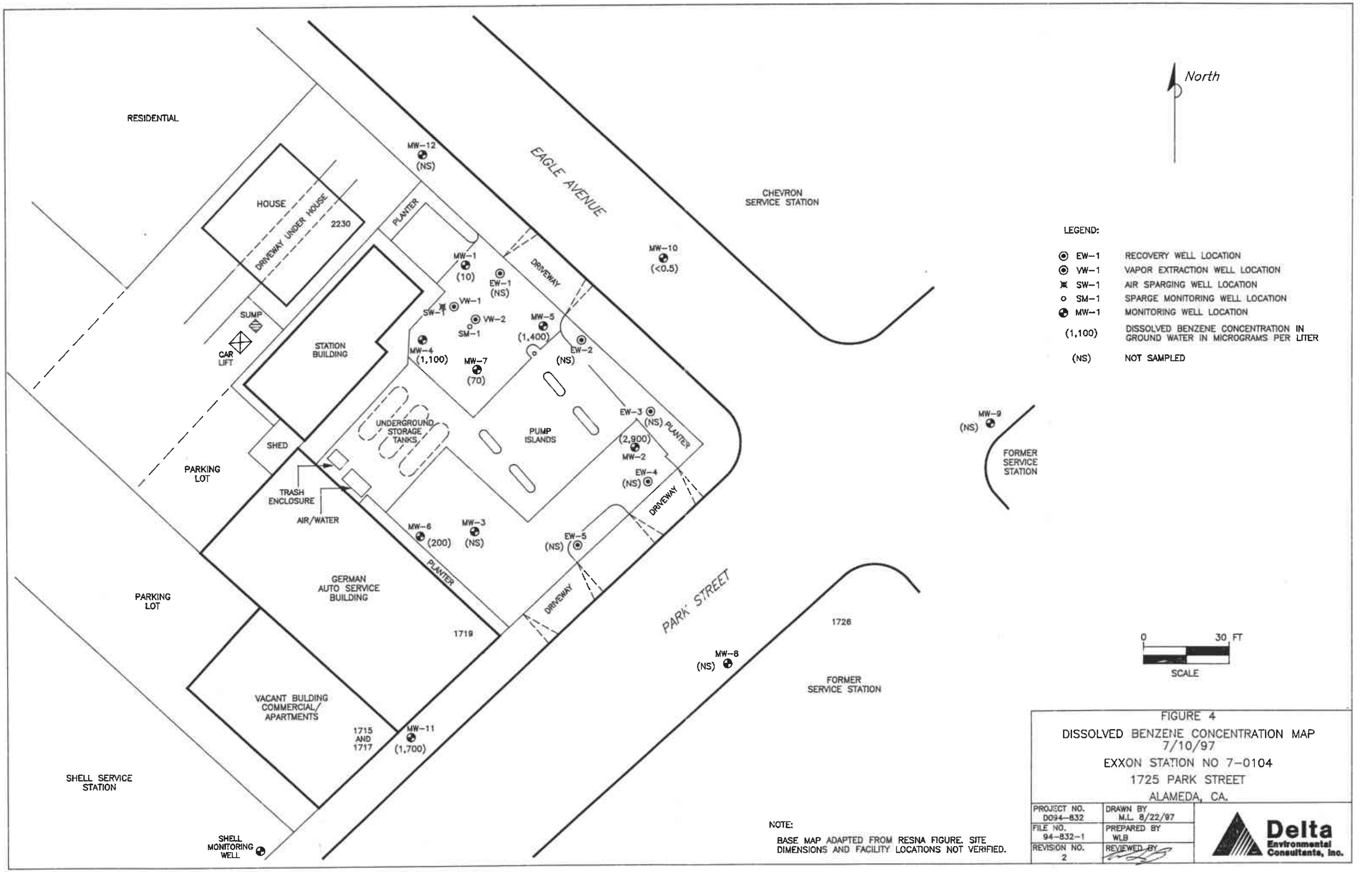
EXXON STATION NO 7-0104

1725 PARK STREET

ALAMEDA, CA.

PROJECT NO. D094-832	DRAWN BY M.L. 8/7/97
FILE NO. 94-832-1	PREPARED BY WLB
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
7/10/97

EXXON STATION NO 7-0104

1725 PARK STREET

ALAMEDA, CA.

PROJECT NO. D094-832	DRAWN BY M.L. 8/22/97
FILE NO. 94-832-1	PREPARED BY WLB
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc.

ENCLOSURE A

Field Methods and Procedures

FIELD METHODS AND PROCEDURES

1.0 GROUND WATER AND LIQUID-PHASE PETROLEUM 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	06/07/88	NM	NM	—	27,000	5,000	77	1,100	2,700
(17.35)	06/10/88#	NLPH	6.35	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	6.9	13	230
	09/18/89	NLPH	7.11	10.24	2,100	9.0	53	18	130
	10/20/89#	NLPH	7.28	10.07					
	11/22/89#	NLPH	7.02	10.33					
	12/11/89	NLPH	6.60	10.75	5,800	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	7.26	10.09	950	290	2.9	<0.5	27
	12/17/90	NLPH	6.75	10.60	2,100	550	13	350	110
	01/31/91#	NLPH	6.78	10.57					
	02/25/91#	NLPH	6.59	10.76					
	03/19/91	NLPH	5.85	11.50	1,400	900	45	390	150
	04/22/91#	sheen	5.72	11.63					
	05/17/91#	NLPH	6.00	11.35					
	07/24/91	NLPH	6.79	10.56	9,700	1,300	670	950	2,100
	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	---	540	220	1.8	110	7.8
	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	11.64	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	5.21	12.14	11,000	2,400	160	1,400	790
	04/30/93	NLPH	5.88	11.47	6,500	330	320	640	1,300
	05/14/93#	NLPH	7.22	10.13					

See notes on page 11 of 11.

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.	07/15/93	NLPH	8.01	9.34	7,600	270	62	1,100	1,000
(17.35)	10/21/93#	NM	7.83	9.52					
	11/16/93	NLPH	8.69	8.66	840	18	1.4	72	17
	11/30/93#	NM	8.38	8.69					
	12/17/93#	NM	7.42	9.93					
	01/31/93#	NM	6.37	10.98					
	02/24-25/94	NLPH	6.23	10.84	810	15	9.0	98	58
MW-2	06/07/88	---	---	---	110,000	12,000	12,000	2,100	12,000
(16.67)	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	8,700	330	280	680	1,200
	09/18/89	NLPH	6.73	9.94	17,000	580	280	570	220
	10/20/89#	NLPH	6.87	9.80					
	11/22/89#	NLPH	6.80	9.87					
	12/11/89	NLPH	6.57	10.10	32,000	1,000	850	310	1,200
	02/13/90#	NLPH	6.12	10.55					
	03/13/90	NLPH	6.02	10.65	39,000	3,500	1,500	2,100	3,900
	04/18/90#	NLPH	6.35	10.32					
	05/23/90#	NLPH	6.28	10.39					
	06/14/90	NLPH	6.14	10.53	34,000	3,800	730	1,600	3,900
	08/21/90#	NLPH	6.70	9.97					
	09/19/90	NLPH	6.84	9.83	63,000	670	180	390	1,000
	12/17/90	NLPH	6.46	10.21	140,000	3,700	2,500	3,000	8,300
	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	1,800	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	5.95	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.	06/24/92#	NLPH	6.39	10.28					
(16.67)	07/16/92	sheen	6.50	10.17	42,000	3,500	490	1,800	3,700
	08/19/92#	NLPH	6.69	9.98					
	09/24/92	sheen	6.74	9.93	26,000	3,600	670	1,700	3,300
	02/05/93#	0.01	5.56	11.10					
	04/30/93	sheen	5.78	10.89	280,000	11,000	6,500	5,500	160,000
	05/14/93#	NA	NA	---					
	07/15/93#	0.01	7.89	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	5,500
MW-3	06/07/88	NM	NM	---	28,000	6,000	80	940	1,900
(17.11)	06/10/88#	NLPH	6.05	11.06					
	01/17/89	NLPH	5.49	11.62	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	680
	09/18/89	NLPH	6.65	10.46	12,000	680	170	350	860
	10/20/89#	NLPH	6.88	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	6,300	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	6.67	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	11.56					
	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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		<	feet	>	<	parts per billion			>
MW-3 cont.	11/18/91#	NLPH	6.74	10.37					
(17.11)	12/11/91#	NLPH	6.79	10.32					
	01/21/92	NLPH	6.16	10.95	13,000	2,700	30	1,800	740
	02/20/92#	NLPH	4.89	12.22					
	03/19/92#	NLPH	4.85	12.26					
	04/24/92	NLPH	5.28	11.83	17,000	4,200	170	1,600	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	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	3,600	110	1,300	430
	04/30/93	NLPH	5.46	11.65	13,000	1,600	370	1,600	1,800
	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	280	52	150	400
MW-4	01/17/89	NLPH	5.36	11.98	19,000	1,000	1,500	360	2,200
(17.34)	01/24/89#	NLPH	5.46	11.88					
	06/01/89	NLPH	6.01	11.33	3,600	180	240	63	810
	09/18/89	NLPH	6.80	10.54	6,000	290	200	28	510
	10/20/89#	NLPH	7.08	10.26					
	11/22/89#	NLPH	6.82	10.52					
	12/11/89	NLPH	6.37	10.97	13,000	750	910	510	1,200
	02/13/90#	NLPH	5.49	11.85					
	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	5.92	11.42	12,000	5,700	400	1,300	760
	08/21/90#	NLPH	6.83	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.

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.	05/17/91#	NLPH	5.60	11.74					
(17.34)	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	12.64					
	04/24/92	sheen	5.25	12.09	11,000	1,700	630	710	1,600
	05/13/92#	sheen	5.62	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	6.85	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	10.84					
	07/15/93	NLPH	7.50	9.84	2,300	440	55	130	220
	10/21/93#	NM	7.77	9.57					
	11/16/93	NLPH	8.27	9.07	5,100	820	160	260	760
	11/30/93	---	8.02	9.32	---	---	---	---	---
	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	660	1,200
MW-5	01/17/89	NLPH	5.39	11.32	26,000	8,700	3,900	990	5,900
(16.71)	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	5.60	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	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-5 cont.	09/19/90	NLPH	6.70	10.01	8,500	1,800	85	120	460
(16.71)	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	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	4.83	11.88					
	03/19/92#	sheen	4.83	11.88					
	04/24/92	sheen	5.32	11.39	12,000	2,600	120	620	530
	05/13/92#	sheen	5.61	11.10					
	06/24/92#	NLPH	6.17	10.54					
	07/16/92	sheen	6.25	10.46	20,000	4,000	48	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	5,900	450	1,900	1,500
	05/14/93#	NLPH	7.31	9.40					
	07/15/93#	0.07	7.93	8.84					
	10/21/93#	NM	7.25	9.46					
	11/15/93#	0.04	8.42	8.32					
	11/30/93#	---	8.10	8.61					
	12/17/93#	NM	7.43	9.28					
	01/31/94#	NM	5.95	10.76					
	02/24-25/94#	sheen	6.23	10.48					
MW-6	01/17/89	NLPH	5.59	11.97	38,000	7,400	9,300	2,000	9,900
(17.56)	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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		<	feet	>	<	parts per billion			>
MW-6 cont.	03/07/90#	NM	NM	---					
(17.56)	03/13/90	NLPH	5.63	11.93	38,000	12,000	15,000	2,500	12,000
	04/18/90#	NLPH	6.26	11.30					
	05/23/90#	NLPH	6.42	11.14					
	06/14/90	NLPH	6.19	11.37	38,000	9,100	7,800	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	6.66	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	11.83					
	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	8,000	2,100	8,000
	05/13/92#	NLPH	5.83	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	7.28	10.28	4,700	790	97	640	540
	02/05/93	NLPH	4.84	12.72	26,000	2,500	4,300	1,700	5,300
	04/30/93	NLPH	5.69	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	7.85	9.71					
	11/16/93	NLPH	8.29	9.27	410	41	12	47	71
	11/30/93#	NM	8.08	9.48					
	12/17/93#	NM	7.27	10.29					
	01/31/94#	NM	6.62	10.94					
	02/24-25/94	NLPH	6.23	11.33	4,300	190	190	300	460

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		<	feet	..... >	<		parts per billion		..... >
MW-7	01/09/90	NM	NM	---	17,000	380	180	330	1,300
(17.12)	02/13/90#	NLPH	4.98	12.14					
	03/13/90	NLPH	4.94	12.18	16,000	360	270	83	460
	05/23/90#	NLPH	5.87	11.25					
	06/14/90	NLPH	5.55	11.57	14,000	1,200	2,800	75	930
	09/19/90	NLPH	6.79	10.33	16,000	2,800	95	2,500	1,700
	12/17/90	NLPH	6.15	10.97	75,000	2,600	7,000	3,300	14,000
	01/31/91#	NLPH	6.64	10.48					
	02/25/91#	NLPH	5.80	11.32					
	03/19/91	NLPH	4.96	12.16	44,000	1,600	740	3,400	8,600
	04/22/91#	NLPH	4.82	12.30					
	05/17/91#	NLPH	5.18	11.94					
	07/24/91	NLPH	6.22	10.90	18,000	1,300	160	2,700	1,000
	09/10/91#	NLPH	6.71	10.41					
	09/23/91#	NLPH	6.84	10.28					
	10/21/91#	NLPH	7.00	10.12					
	10/22/91	---	---	---	10,000	990	26	1,900	490
	11/18/91#	NLPH	6.56	10.56					
	12/11/91#	NLPH	6.68	10.44					
	01/21/92	NLPH	5.99	11.13	23,000	2,200	3,000	1,800	6,100
	02/20/92#	NLPH	4.36	12.76					
	03/19/92#	NLPH	4.22	12.90					
	04/24/92	NLPH	4.84	12.28	25,000	1,400	220	2,100	2,600
	05/13/92#	NLPH	5.24	11.88					
	06/24/92#	NLPH	6.04	11.08					
	07/16/92	NLPH	6.19	10.93	8,700	470	45	970	86
	08/19/92#	NLPH	6.55	10.57					
	09/24/92	NLPH	6.83	10.29	9,200	560	48	1,300	54
	02/05/93	NLPH	4.11	13.01	33,000	1,100	2,300	1,200	4,200
	04/30/93b	NLPH	5.29	11.83	13,000	240	85	710	320
	05/14/93#	NLPH	5.91	11.21					
	07/15/93	NLPH	7.07	10.05	6,900	200	30	500	48
	10/21/93#	NM	7.55	9.57					
	11/16/93	NLPH	7.85	9.27	7,400	300	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	NLPH	5.52	11.60	7,200	470	120	400	330

See notes on page 11 of 11.

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		<	feet	>	<	parts per billion			>
MW-8	05/14/93	NLPH	6.54	9.79	<50	<0.5	<1.0	<0.5	<0.5
(16.33)	07/15/93	NLPH	6.57	9.76	<50	<0.5	<0.5	<0.5	<0.5
	10/21/93#	NM	6.83	9.50					
	11/16/93	NLPH	7.15	9.18	<50	<0.5	<0.5	<0.5	<0.5
	11/30/93	---	6.94	9.39	---	---	---	---	---
	12/17/93#	NM	6.48	9.85					
	01/31/94#	NM	6.13	10.20					
	02/24-25/94	NLPH	5.80	10.53	<50	<0.5	<0.5	<0.5	<0.5
MW-9	05/14/93	NLPH	6.61	9.01	<50	<0.5	<1.0	<0.5	<0.5
(15.62)	07/15/93	NLPH	6.79	8.83	<50	<0.5	<0.5	<0.5	<0.5
	10/21/93#	NM	6.97	8.65					
	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	05/14/93	NLPH	6.91	9.88	97	<0.5	<0.5	9.8	22
(16.79)	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	280	<0.5	<0.5	12	7.0
EW-1	10/21/93#	NM	6.67	9.55					
(16.22)	12/17/93#	NM	10.09	6.13					
	01/31/94#	NM	5.38	10.84					
	02/24-25/94	NLPH	5.58	10.64	1,000	140	4.5	15	120
EW-2	10/21/93#	NM	6.71	9.34					
(16.05)	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	10/21/93#	NM	6.55	9.47					
(16.02)	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

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	10/21/93#	NM	6.13	9.48					
(15.61)	12/17/93#	NM	14.60	1.01					
	01/31/94#	NM	5.08	10.53					
	02/24-25/94	LPH	14.88	0.73	4,600	1,900	140	13	450
EW-5	10/21/93#	NM	6.77	9.74					
(16.51)	12/17/93#	NM	14.20	2.31					
	01/31/94#	NM	5.64	10.87					
	02/24-25/94	NLPH	11.95	4.56	1,000	140	45	3.4	190
Field	12/11/89	---	---	---	<50	0.88	0.95	0.62	1.7
Blanks	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	<0.6
	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	06/14/90	---	---	---	<50	<0.5	<0.5	<0.5	<0.5
Blanks	09/19/90	---	---	---	<50	0.8	<0.5	0.6	1.0
	04/24/92	---	---	---	<50	<0.5	<0.5	<0.5	<0.5
	09/24/92	---	---	---	230	<0.5	<0.5	<0.5	<0.5
	Maximum Contaminant Levels (MCLs) (DHS)				---	1.0	---	680	1,750
	Drinking Water Action Level (DWAL) (DHS)				---	---	100	---	---

See notes on page 11 of 11.

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

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 petroluem 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

Alameda County Health Services Reduction
Sampling Letter Dated November 1, 1996

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

StID 3601

November 1, 1996

Ms. Marla Guensler
Exxon-Environmental Engineering
P.O.Box 4032
Concord, CA 94524-4032

RE: Groundwater Sampling at Exxon RAS #7-0104, 1725 Park St, Alameda, CA

Dear Ms. Guensler:

I have completed review of Delta Environmental Consultants, Inc's September 1996 Quarterly Ground Water Monitoring Report for the above referenced site. There is adequate groundwater data at this time where the sampling frequency of the monitoring wells may be reduced as follows:

1. Quarterly sampling of wells MW-6 and MW-11;
2. Semi-annual sampling of wells MW-1, MW-2, MW-4, MW-5, MW-7, and MW-10 in the first and third quarters; and,
3. Discontinue sampling of wells MW-3, MW-8, MW-9, MW-12, and EW-1 through EW-5.

It is also noted that most of the wells indicate the possible presence of MTBE in groundwater. In the next sampling event, groundwater from wells MW-2, MW-5, and MW-11 should be analyzed for MTBE using EPA Method 8260. Once confirmed, method 8260 is no longer necessary. And, MTBE can continue to be quantified using method 8020.

If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

c: Richard Munsch, Delta, 3164 Gold Camp Drive, Suite 200, Rancho Cordova, CA 95670

exxon1.2

Sequoia Analytical

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

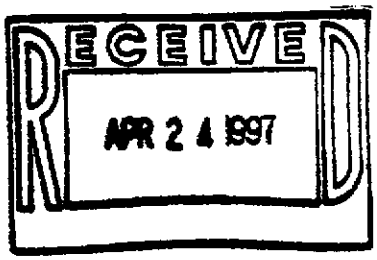
Delta Environmental Consults	Client Proj. ID: Exxon 7-0104, DO94-832	Sampled: 04/10/97
3164 Gold Camp Drive, #200	Sample Descript: MW-11	Received: 04/10/97
Rancho Cordova, CA 95670	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/17/97
Attention: Richard Munsch	Lab Number: 9704738-01	Reported: 04/21/97

QC Batch Number: GC041797BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2000	29000
Methyl t-Butyl Ether	100	200
Benzene	20	1200
Toluene	20	440
Ethyl Benzene	20	970
Xylenes (Total)	20	6400
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.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Delta Environmental Consults	Client Proj. ID: Exxon 7-0104, DO94-832	Received: 04/10/97
3164 Gold Camp Drive, #200		
Rancho Cordova, CA 95670	Lab Proj. ID: 9704738	Reported: 04/21/97
Attention: Richard Munsch		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 5 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

Sequoia Analytical
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Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Consultant's Name: Delta Environmental Consultants			**Page** 1 of 1
Address: 964 Gold Gate Dr. Rancho.			**Site Location:** Alameda
Project #:	**Consultant Project #:** D094-832		**Consultant Work Release #:** 1935227
Project Contact: Rich Mueller	**Phone #:** 688-2085		**Laboratory Work Release #:**
EXXON Contact: Marla Guenstern	**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 # 9704738	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520	MTBE		Temperature: _____ Inbound Seal: Yes No Outbound Seal: Yes No
MW-11	4-10-97	1000	H2O	HCl	3	01	X			X		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Delta	4/10/97	1555	John Youell/Sequoia	4/10/97	1556	
John Youell/Sequoia	4/10/97	1625	Sridi Hinsan/Sequoia	4/10/97	1625	
Sridi Hinsan/Sequoia	4-10	1100	/COC	4-11	1000	

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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Delta Environmental Consults	Client Project ID:	Exxon 7-0104, D094-832	
3164 Gold Camp Drive, #200	Matrix:	Liquid	
Rancho Cordova, CA 95670			
Attention: Richard Munsch	Lab Number:	9704738 -01	Reported: Apr 22, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC041797BTEX06A	GC041797BTEX06A	GC041797BTEX06A	GC041797BTEX06A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	5030	5030	5030	5030
Analyst:	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	9704519-04	9704519-04	9704519-04	9704519-04
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/17/97	4/17/97	4/17/97	4/17/97
Analyzed Date:	4/17/97	4/17/97	4/17/97	4/17/97
Instrument I.D.#:	GCHP-06	GCHP-06	GCHP-06	GCHP-06
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.0	9.0	9.0	27
MS % Recovery:	90	90	90	90
Dup. Result:	9.5	9.4	9.5	28
MSD % Recov.:	95	94	95	93
RPD:	5.4	4.3	5.4	3.6
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK041797	BLK041797	BLK041797	BLK041797
Prepared Date:	4/17/97	4/17/97	4/17/97	4/17/97
Analyzed Date:	4/17/97	4/17/97	4/17/97	4/17/97
Instrument I.D.#:	GCHP-06	GCHP-06	GCHP-06	GCHP-06
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.4	9.3	9.4	28
LCS % Recov.:	94	93	94	93

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130
Control Limits				

SEQUOIA ANALYTICAL

Mike Gregory
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 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.

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

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

Delta Environmental Consults	Client Project ID:	Exxon 7-0104, D094-832	
3164 Gold Camp Drive, #200	Matrix:	Liquid	
Rancho Cordova, CA 95670			
Attention: Richard Munsch	Lab Number:	9704738-01	Reported: Apr 22, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Gas
QC Batch#:	GC041797BTEX06A
Analy. Method:	EPA 8015 M
Prep. Method:	5030
Analyst:	A. Porter
MS/MSD #:	9704519-04
Sample Conc.:	N.D.
Prepared Date:	4/17/97
Analyzed Date:	4/17/97
Instrument I.D.#:	GCHP-06
Conc. Spiked:	60 µg/L
Result:	73
MS % Recovery:	122
Dup. Result:	77
MSD % Recov.:	128
RPD:	5.3
RPD Limit:	0-50

LCS #:	BLK041797
Prepared Date:	4/17/97
Analyzed Date:	4/17/97
Instrument I.D.#:	GCHP-06
Conc. Spiked:	60 µg/L
LCS Result:	75
LCS % Recov.:	125

MS/MSD	60-140
LCS	70-130
Control Limits	

SEQUOIA ANALYTICAL

Mike Gregory
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 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.

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

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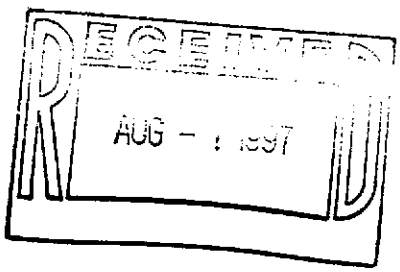
Delta Environmental Consults	Client Proj. ID: Exxon 7-0104, DO94-832	Sampled: 07/10/97
3164 Gold Camp Drive, #200	Sample Descript: MW-10	Received: 07/14/97
Rancho Cordova, CA 95670	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 07/17/97
Attention: Richard Munsch	Lab Number: 9707672-01	Reported: 08/05/97

QC Batch Number: GC071797BTEX01A
Instrument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	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 %		% Recovery
Trifluorotoluene	70	130	99



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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Delta Environmental Consults	Client Proj. ID: Exxon 7-0104, DO94-832	Sampled: 07/10/97
3164 Gold Camp Drive, #200	Sample Descript: MW-11	Received: 07/14/97
Rancho Cordova, CA 95670	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 07/17/97
Attention: Richard Munsch	Lab Number: 9707672-02	Reported: 08/05/97

QC Batch Number: GC071797BTEX18A
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	42000
Methyl t-Butyl Ether	250	690
Benzene	50	1700
Toluene	50	870
Ethyl Benzene	50	1900
Xylenes (Total)	50	12000
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	121

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Delta Environmental Consults	Client Proj. ID: Exxon 7-0104, DO94-832	Sampled: 07/10/97
3164 Gold Camp Drive, #200	Sample Descript: MW-5	Received: 07/14/97
Rancho Cordova, CA 95670	Matrix: LIQUID	
	Analysis Method: EPA 8260	Analyzed: 07/24/97
Attention: Richard Munsch	Lab Number: 9707672-03	Reported: 08/05/97

QC Batch Number: MS0723978260F3A
Instrument ID: F3

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	500	52000

Surrogates	Control Limits %		% Recovery
1,2-Dichloroethane-d4	76	114	98

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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

Delta Environmental Consults	Client Proj. ID: Exxon 7-0104, DO94-832	Sampled: 07/10/97
3164 Gold Camp Drive, #200	Sample Descript: MW-5	Received: 07/14/97
Rancho Cordova, CA 95670	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 07/17/97
Attention: Richard Munsch	Lab Number: 9707672-03	Reported: 08/05/97

QC Batch Number: GC071797BTEX07A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**5000**	**9800**
Methyl t-Butyl Ether	**620**	**36000**
Benzene	**120**	**1400**
Toluene	**50**	**120**
Ethyl Benzene	**50**	**190**
Xylenes (Total)	**50**	**120**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	121

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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Delta Environmental Consults	Client Proj. ID: Exxon 7-0104, DO94-832	Sampled: 07/10/97
3164 Gold Camp Drive, #200	Sample Descript: MW-2	Received: 07/14/97
Rancho Cordova, CA 95670	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 07/17/97
Attention: Richard Munsch	Lab Number: 9707672-04	Reported: 08/05/97

QC Batch Number: GC071797BTEX18A
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**5000**	**18000**
Methyl t-Butyl Ether	**250**	**2600**
Benzene	**50**	**2900**
Toluene	**50**	**82**
Ethyl Benzene	**50**	**1500**
Xylenes (Total)	**50**	**530**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	112

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

SEQUOIA ANALYTICAL - ELAP #1210

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Delta Environmental Consults	Client Proj. ID: Exxon 7-0104, DO94-832	Sampled: 07/10/97
3164 Gold Camp Drive, #200	Sample Descript: MW-6	Received: 07/14/97
Rancho Cordova, CA 95670	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 07/17/97
Attention: Richard Munsch	Lab Number: 9707672-05	Reported: 08/05/97

QC Batch Number: GC071797BTEX18A
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**5000**	**6800**
Methyl t-Butyl Ether	**250**	**1100**
Benzene	**50**	**200**
Toluene	50	N.D.
Ethyl Benzene	**50**	**300**
Xylenes (Total)	**50**	**860**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	95

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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Delta Environmental Consults	Client Proj. ID: Exxon 7-0104, DO94-832	Sampled: 07/10/97
3164 Gold Camp Drive, #200	Sample Descript: MW-4	Received: 07/14/97
Rancho Cordova, CA 95670	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 07/17/97
Attention: Richard Munsch	Lab Number: 9707672-06	Reported: 08/05/97

QC Batch Number: GC071797BTEX18A
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**5000**	**10000**
Methyl t-Butyl Ether	**250**	**11000**
Benzene	**50**	**1100**
Toluene	**50**	**120**
Ethyl Benzene	**50**	**470**
Xylenes (Total)	**50**	**720**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	98

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

Delta Environmental Consults	Client Proj. ID: Exxon 7-0104, DO94-832	Sampled: 07/10/97
3164 Gold Camp Drive, #200	Sample Descript: MW-7	Received: 07/14/97
Rancho Cordova, CA 95670	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 07/17/97
Attention: Richard Munsch	Lab Number: 9707672-07	Reported: 08/05/97

QC Batch Number: GC071797BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**2500**	**3500**
Methyl t-Butyl Ether	**120**	**18000**
Benzene	**25**	**70**
Toluene	25	N.D.
Ethyl Benzene	25	N.D.
Xylenes (Total)	25	N.D.
Chromatogram Pattern:		
Weathered Gas		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	95

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

SEQUOIA ANALYTICAL - ELAP #1210

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Delta Environmental Consults	Client Proj. ID: Exxon 7-0104, DO94-832	Sampled: 07/10/97
3164 Gold Camp Drive, #200	Sample Descript: MW-1	Received: 07/14/97
Rancho Cordova, CA 95670	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 07/16/97
Attention: Richard Munsch	Lab Number: 9707672-08	Reported: 08/05/97

QC Batch Number: GC071697BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**580**
Methyl t-Butyl Ether	**2.5**	**12**
Benzene	**0.50**	**10**
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Weathered Gas		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	157 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

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Delta Environmental Consults
3164 Gold Camp Drive, #200
Rancho Cordova, CA 95670
Attention: Richard Munsch

Client Proj. ID: Exxon 7-0104, DO94-832
Lab Proj. ID: 9707672

Received: 07/14/97
Reported: 08/05/97

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 17 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPGM2W: Methyl-tert-Butylether and Benzene were reported from GCHP-18 ON 7/18/97 associated with QC batch number GC071897BTEX18A. Sample was run twice per client's request. (sample #3).

#Q - Surrogate coelution was confirmed.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager