RO.448

12/28/94

EXXON COMPANY, U.S.A.
P.O. BOX 4032 . CONCORD, CA 94524-2032

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

December 15, 1994

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

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

Dear Ms. Shin:

Attached for your review and comment is a report entitled ***Quarterly Ground Water Monitoring Report and Remediation Status, Fourth Quarter 1994*** for the above referenced site. This report, prepared by Delta Environmental Consultants, Inc., (Delta) of Rancho Cordova, California, details the results of the October 1994 ground water monitoring and sampling event.

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

Sincerely,

Marla D. Guensler
Senior Engineer

MDG/mdg

attachment: Delta Quarterly Report dated November 29, 1994

cc: w/attachment:
Mr. Richard Hiett - San Francisco Bay RWQCB

w/o attachment:
Mr. Todd Galati - Delta

Delta
Environmental
Consultants, Inc.

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

November 29, 1994

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

Subject: *Quarterly Ground Water Monitoring Report and Remediation Status, Fourth Quarter 1994*
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 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 and sampling conducted on October 11, 1994. 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 Table Elevations, Flow Direction, and Hydraulic Gradient

Ground water was present in each of the ten existing monitoring wells and the five extraction wells at the site during the October 11, 1994 event, at depths ranging from 6.62 to 11.83 feet below the top of the well casings. Ground water table measurements for October 11, 1994 are presented in Table 1. Ground water table measurements 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 table measurements recorded on October 11, 1994, is included as Figure 3. The water table contour map indicates that the overall ground water flow direction was toward the east with a hydraulic gradient of approximately 0.01. The ground water gradient and flow direction however were locally affected by ground water pumping from EW-3 and EW-5 on the western side of the property.

Subjective Analysis

A sheen was present in monitoring wells MW-2 and MW-5 and extraction well EW-2 during the October 11, 1994, site visit.

Analytical Results

Ground water samples collected from each of the monitoring wells on October 11, 1994, were submitted to Sequoia Analytical laboratory for analysis of benzene, toluene, ethylbenzene, total

xylenes, and total petroleum hydrocarbons as gasoline. The laboratory analyses for the October 11, 1994 sampling event are presented in Table 2, and a summary of analytical test results for ground water samples collected by previous consultants (June 7, 1988 through February 25, 1994) are included in Enclosure B. A dissolved benzene concentration map based on analytical results for ground water samples collected on October 11, 1994, is included as Figure 4. Copies of the laboratory analytical reports are presented in Enclosure C.

Ground Water Remediation System Status

The ground water remediation system was restarted and sampled on October 10, 1994. Ground water remediation system influent and effluent samples were collected and analytical results are summarized in Table 3. Copies of the ground water system laboratory analytical reports are presented in Enclosure D. Previous consultants cumulative analytical results of water samples from the remediation system (February 16, 1993 - March 30, 1994) are included in Enclosure E.

Future Work

The next quarterly monitoring event for this site is scheduled for January 1995. Delta will evaluate the past performance of the ground water system and will propose modifications to the system to improve the remediation systems effectiveness, if necessary.

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 Todd M. Galati at (916) 638-2085.

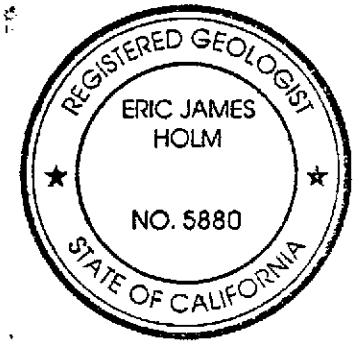
Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

William L. Brattain
Staff Engineer

Todd M. Galati
Project Manager

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



WLB (LRP388.SJH)
Enclosures

TABLE 1

GROUND WATER LEVEL DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)[a]	Depth to Water (ft)	Ground Water Elevation (ft)	Comments
MW-1	09/12/94	17.35	7.11	10.24	No LPH[b] or Sheen
	10/01/94		7.44	9.91	No LPH or Sheen
MW-2	09/12/94	16.67	6.71	9.96	No LPH or Sheen
	10/01/94		7.22	9.45	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
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
MW-5	09/12/94	16.71	7.12	9.59	No LPH or Sheen
	10/01/94		7.06	9.65	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
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
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
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
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
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
EW-2	09/12/94	16.05	6.09	9.96	Sheen
	10/01/94		7.32	8.73	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
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

TABLE 1-Continued

GROUND WATER LEVEL DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)[a]	Depth to Water (ft)	Ground Water Elevation (ft)	Comments
EW-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

[a] Elevation of top of well casing has been surveyed relative to mean sea level (RESNA Industries, Inc., February 10, 1994)
[b] Liquid-phase petroleum hydrocarbons.

TABLE 2

GROUND WATER SAMPLE RESULTS

Concentrations in parts per billion (ppb)

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

Monitoring Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH[a] as gasoline
MW-1	09/12/94	200	1.9	210	6.6	1,600
	10/01/94	200	<0.5	160	6.6	1,400
MW-2	09/12/94	4,400	120	1,700	2,100	31,000
	10/01/94	4,500	250	1,800	2,400	45,000
MW-3	09/12/94	580	8.0	340	100	3,100
	10/01/94	640	11	230	130	3,800
MW-4	09/12/94	900	57	310	490	5,200
	10/01/94	1,200	66	360	380	9,100
MW-5	09/12/94	2,300	17	320	230	10,000
	10/01/94	2,300	19	220	200	11,000
MW-6	09/12/94	150	4.4	170	85	1,500
	10/01/94	120	<0.5	99	38	87
MW-7	09/12/94	490	50	280	70	6,000
	10/01/94	940	670	310	160	8,900
MW-8	09/12/94	<0.5	<0.5	<0.5	<0.5	<50
	10/01/94	<0.5	<0.5	<0.5	<0.5	<50
MW-9	09/12/94	<0.5	<0.5	<0.5	<0.5	<50
	10/01/94	<0.5	<0.5	<0.5	<0.5	<50
MW-10	09/12/94	<0.5	<0.5	1.6	<0.5	71
	10/01/94	1.1	<0.5	2.8	0.73	330
EW-1	09/12/94	40	<0.5	10	5.4	400
	10/01/94	<0.5	4.4	30	11	3,400
EW-2	09/12/94	2,000	79	180	290	8,800
	10/01/94	1,400	6.7	700	310	9,500
EW-3	09/12/94	44	5.9	12	31	300
	10/01/94	12	0.42	1.7	3.7	140
EW-4	09/12/94	1,700	12	210	77	4,000
	10/01/94	100	1.5	15	11	460
EW-5	09/12/94	26	1.7	11	12	180
	10/01/94	16	0.92	5.7	8.5	130

[a] Total petroleum hydrocarbons.

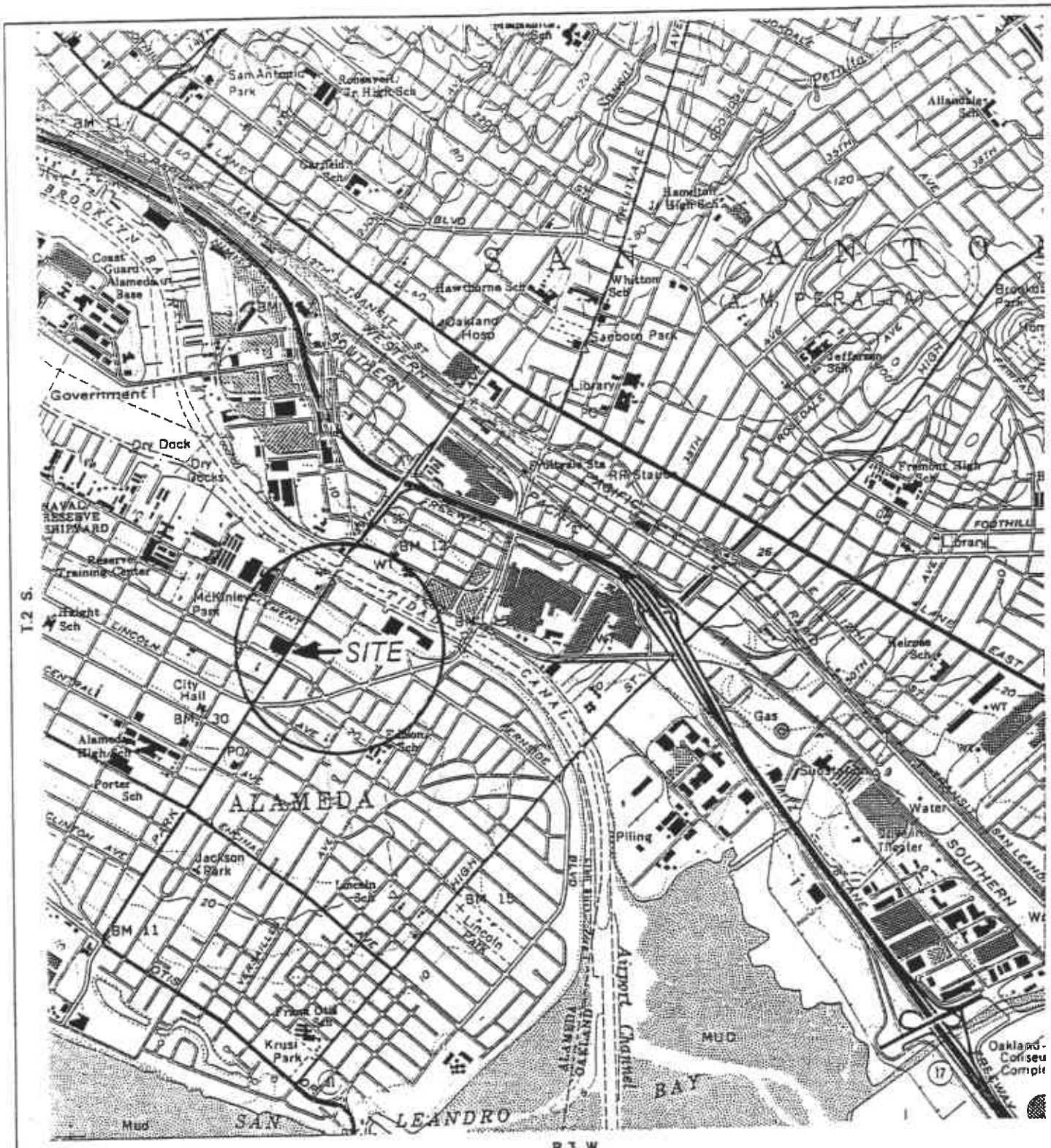
TABLE 3

GROUND WATER TREATEMNET SYSTEM SAMPLING RESULTS
Concentrations in parts per billion (ppb)

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

Sample ID	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH[a] as gasoline
Effluent	09/12/94	<0.5	<0.5	<0.5	<0.5	<0.5
	10/10/94	<0.5	<0.5	<0.5	<0.5	<0.5
Influent	10/10/94	<0.5	<0.5	<0.5	<0.5	<0.5

[a] Total petroleum hydrocarbons.



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

North

QUADRANGLE LOCATION

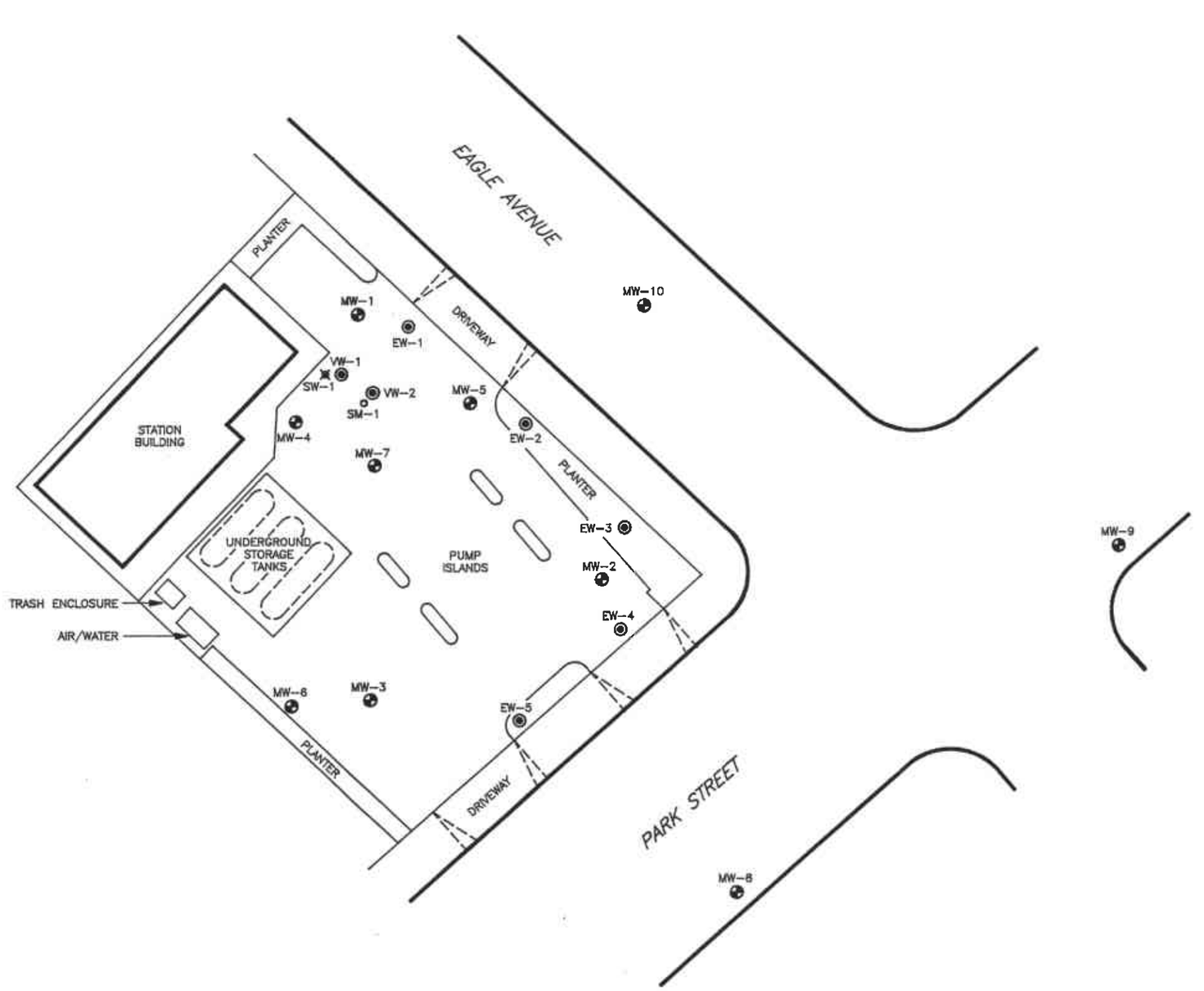
0 2000 FT

SCALE 1 : 24,000

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

PROJECT NO. 0094-332	DRAWN BY L.H. 9/27/94
FILE NO. —	PREPARED BY RDM
REVISION NO.	REVIEWED BY

Delta Environmental Consultants, Inc.



North

LEGEND:

◉	EW-1	RECOVERY WELL LOCATION
◉	VW-1	VAPOR EXTRACTION WELL LOCATION
✖	SW-1	AIR SPARGING WELL LOCATION
o	SM-1	SPARGE MONITORING WELL LOCATION
⊕	MW-1	MONITORING WELL LOCATION

0 30 FT

SCALE

NOTE:

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

FIGURE 2

SITE MAP

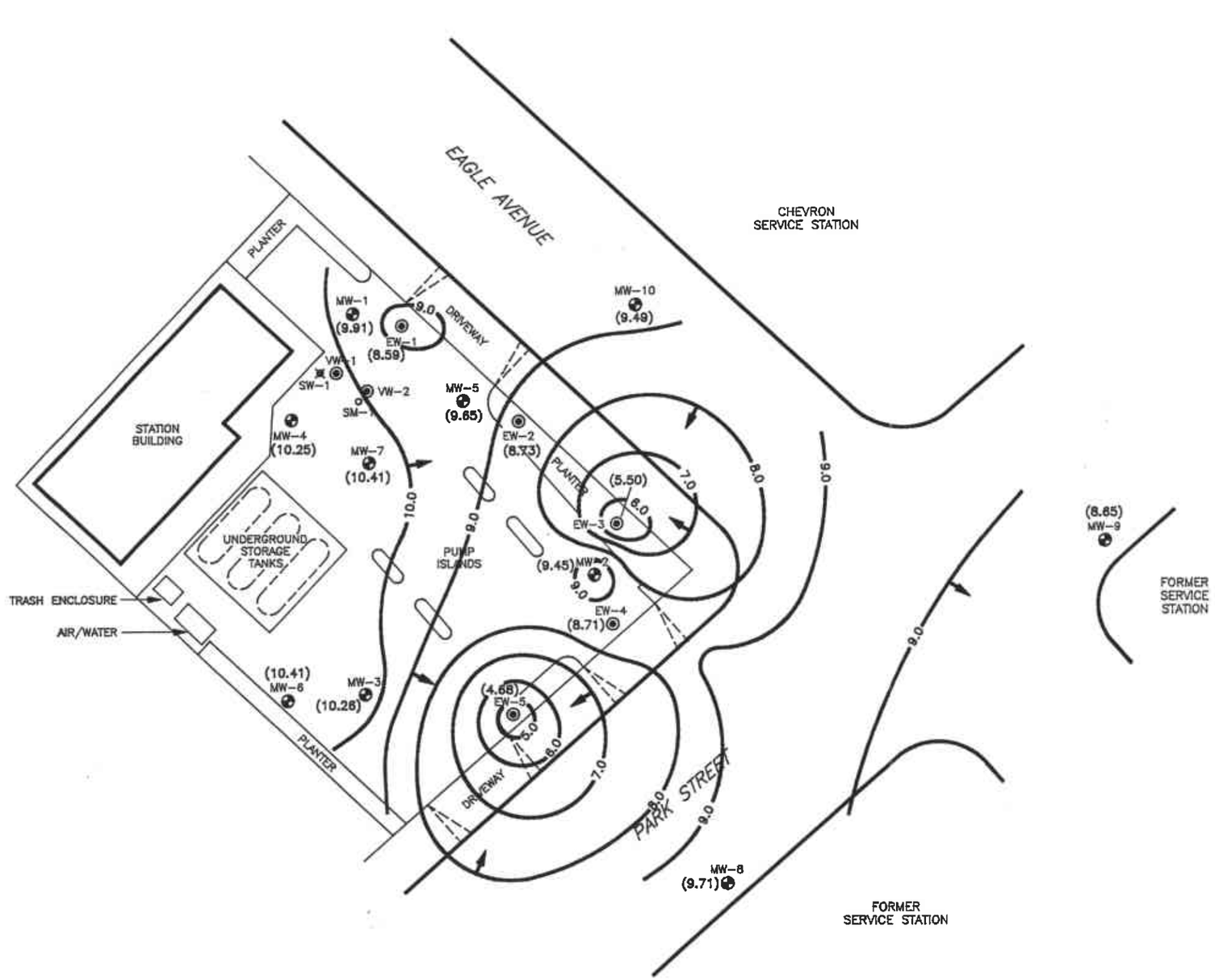
EXXON STATION NO 7-0104

1725 PARK STREET

ALAMEDA, CA.

PROJECT NO. D094-832	DRAWN BY I.H. 9/22/94
FILE NO. 94-832-1	PREPARED BY TMG
REVISION NO. 1	REVIEWED BY 10/5/94

Delta Environmental Consultants, Inc.



LEGEND:

EW-1	RECOVERY WELL LOCATION
VW-1	VAPOR EXTRACTION WELL LOCATION
SW-1	AIR SPARGING WELL LOCATION
SM-1	SPARGE MONITORING WELL LOCATION
MW-1	MONITORING WELL LOCATION
(9.91)	GROUND WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (MSL)
10.0	WATER TABLE CONTOUR IN FEET ABOVE MSL
	GROUND WATER FLOW DIRECTION

0 30 FT

SCALE

NOTE:

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

FIGURE 3

WATER TABLE CONTOUR MAP – 10/11/94

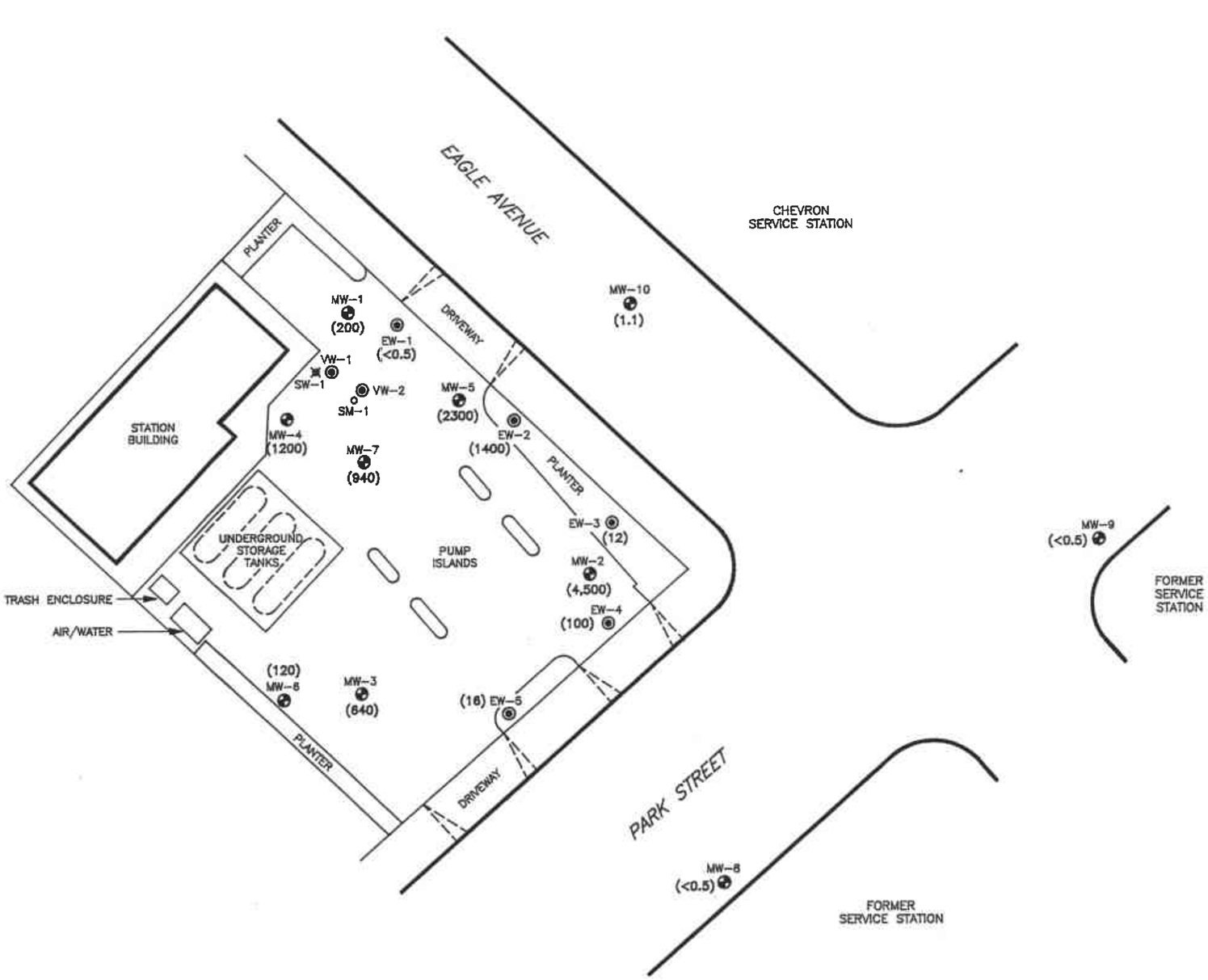
EXXON STATION NO 7-0104

1725 PARK STREET

ALAMEDA, CA.

PROJECT NO. D094-832	DRAWN BY I.H. 11/29/94
FILE NO. 94-832-1	PREPARED BY RDM
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND:

EW-1	RECOVERY WELL LOCATION
VW-1	VAPOR EXTRACTION WELL LOCATION
SW-1	AIR SPARGING WELL LOCATION
SM-1	SPARGE MONITORING WELL LOCATION
MW-1	MONITORING WELL LOCATION
(200)	DISSOLVED BENZENE CONCENTRATION IN GROUND WATER IN PARTS PER BILLION

0 30 FT

SCALE

NOTE:

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

FIGURE 4

DISSOLVED BENZENE CONCENTRATION MAP
10/11/94

EXXON STATION NO 7-0104

1725 PARK STREET

ALAMEDA, CA.

PROJECT NO. D094-832	DRAWN BY I.H. 11/29/94
FILE NO. 94-832-1	PREPARED BY RDM
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 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 or bailer until pH, temperature, and conductivity of the purge water had stabilized and a minimum of three to four well volumes of water had been removed. Ground water removed from the wells was discharged into the ground water 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. Purge water was processed and discharged to the sanitary sewer by the on-site ground water remediation system.

ENCLOSURE B

Previous Ground Water Level Data and Analytical Results

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		<	feet ..... >		< ..... parts per billion ..... >				
MW-1 (17.35)	06/07/88	NM	NM	—	27,000	5,000	77	1,100	2,700
	06/10/88#	NLPH	6.35	11.00					
	01/17/89	NLPH	5.81	11.54	6,800	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. (17.35)	07/15/93	NLPH	8.01	9.34	7,600	270	62	1,100	1,000
	10/21/93#	NM	7.83	9.52	840	18	1.4	72	17
	11/16/93	NLPH	8.69	8.66					
	11/30/93#	NM	8.38	8.69					
	12/17/93#	NM	7.42	9.93					
	01/31/93#	NM	6.37	10.98	810	15	9.0	98	58
	02/24-25/94	NLPH	6.23	10.84					
MW-2 (16.67)	06/07/88	—	—	—	110,000	12,000	12,000	2,100	12,000
	06/10/88#	NLPH	6.20	10.47					
	01/17/89	NLPH	5.96	10.71	30,000	6,600	3,300	1,600	7,700
	01/24/89#	NLPH	5.04	11.63					
	06/01/89	sheen	6.32	10.35	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. (16.67)	06/24/92#	NLPH	6.39	10.28					
	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 (17.11)	06/07/88	NM	NM	—	28,000	6,000	80	940	1,900
	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. (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	1,800	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 (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	11.88					
	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. (17.34)	05/17/91#	NLPH	5.60	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	12.64					
	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 (16.71)	01/17/89	NLPH	5.39	11.32	26,000	8,700	3,900	990	5,900
	01/24/89#	NLPH	5.51	11.20					
	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. (16.71)	09/19/90	NLPH	6.70	10.01	8,500	1,800	85	120	460
	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 (17.56)	01/17/89	NLPH	5.59	11.97	38,000	7,400	9,300	2,000	9,900
	01/24/89#	NLPH	5.27	12.29					
	06/01/89	sheen	6.25	11.31	23,000	1,900	2,500	2,000	6,000
	09/18/89	NLPH	6.95	10.61	17,000	650	410	650	320
	10/20/89#	NLPH	7.24	10.32					
	11/22/89#	NLPH	7.05	10.51					
	12/11/89	NLPH	6.63	10.93	29,000	1,100	810	330	1,500
	02/13/90#	NLPH	5.70	11.86					

See notes on page 11 of 11.

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		<	feet	>	<	parts per billion			>
MW-6 cont. (17.56)	03/07/90#	NM	NM	—	38,000	12,000	15,000	2,500	12,000
	03/13/90	NLPH	5.63	11.93					
	04/18/90#	NLPH	6.26	11.30					
	05/23/90#	NLPH	6.42	11.14					
	06/14/90	NLPH	6.19	11.37	38,000	9,100	7,800	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

See notes on page 11 of 11.

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	B	T	E	X
		<	feet	. . . . . >	<	parts per billion			. . . . . >
MW-7 (17.12)	01/09/90	NM	NM	—	17,000	380	180	330	1,300
	02/13/90#	NLPH	4.98	12.14					
	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	7.56	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 (16.33)	05/14/93	NLPH	6.54	9.79	<50	<0.5	<1.0	<0.5	<0.5
	07/15/93	NLPH	6.57	9.76	<50	<0.5	<0.5	<0.5	<0.5
	10/21/93#	NM	6.83	9.50					
	11/16/93	NLPH	7.15	9.18	<50	<0.5	<0.5	<0.5	<0.5
	11/30/93	—	6.94	9.39	—	—	—	—	—
	12/17/93#	NM	6.48	9.85					
	01/31/94#	NM	6.13	10.20					
	02/24-25/94	NLPH	5.80	10.53	<50	<0.5	<0.5	<0.5	<0.5
MW-9 (15.62)	05/14/93	NLPH	6.61	9.01	<50	<0.5	<1.0	<0.5	<0.5
	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 (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
	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 (16.22)	10/21/93#	NM	6.67	9.55					
	12/17/93#	NM	10.09	6.13					
	01/31/94#	NM	5.38	10.84					
	02/24-25/94	NLPH	5.58	10.64	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

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 10 of 11)

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

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

Ground Water Sample Analytical Results Collected October 11, 1994

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

FAX TRANSMITTAL

TO:

Name Todd Galati

Company _____

Fax # _____

FROM:

Name Linda Schneider
Sequoia Analytical/Sacramento

Date 10/27/94

Report # _____

Number of pages (including cover page) 6

COMMENTS:

Exxon 7-0104

Linda

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Delta Environmental Consultants	Client Project ID:	D094-832/Exxon 7-0104	Sampled: Oct 11, 1994
3330 Data Drive, Suite 100	Sample Matrix:	Water	Received: Oct 12, 1994
Rancho Cordova, CA 95670	Analysis Method:	EPA 5030/8015/8020	Reported: Oct 27, 1994
Attention: Todd Galati	First Sample #:	410-0464	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 410-0464 MW-1	Sample I.D. 410-0465 MW-2	Sample I.D. 410-0466 MW-3	Sample I.D. 410-0467 MW-4	Sample I.D. 410-0468 MW-5	Sample I.D. 410-0469 MW-6
Purgeable Hydrocarbons	50	1,400	45,000	3,800	9,100	11,000	87
Benzene	0.50	200	4,500	640	1,200	2,300	120
Toluene	0.50	N.D.	250	11	66	19	N.D.
Ethyl Benzene	0.50	160	1,800	230	360	220	99
Total Xylenes	0.50	6.6	2,400	130	380	200	38
Chromatogram Pattern:		Gasoline C6-C12	Gasoline C6-C12	Gasoline C6-C12	Gasoline C6-C12	Gasoline C6-C12	Gasoline C6-C12

Quality Control Data

Report Limit Multiplication Factor:	10	500	20	50	1.0	10
Date Analyzed:	10/20/94	10/20/94	10/20/94	10/20/94	10/20/94	10/24/94
Instrument Identification:	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	97	94	94	88	91	104

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

SEQUOIA ANALYTICAL, ELAP #1624

Linda C. Schneider
Project Manager

4100464.DLT <1>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Delta Environmental Consultants	Client Project ID:	D094-832/Exxon 7-0104	Sampled: Oct 11, 1994
3330 Data Drive, Suite 100	Sample Matrix:	Water	Received: Oct 12, 1994
Rancho Cordova, CA 95670	Analysis Method:	EPA 5030/8015/8020	Reported: Oct 27, 1994
Attention: Todd Galati	First Sample #:	410-0470	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 410-0470 MW-7	Sample I.D. 410-0471 MW-8	Sample I.D. 410-0472 MW-9	Sample I.D. 410-0473 MW-10	Sample I.D. 410-0474 EW-1	Sample I.D. 410-0475 EW-2
Purgeable Hydrocarbons	50	8,900	N.D.	N.D.	330	3,400	9,500
Benzene	0.50	940	N.D.	N.D.	1.1	N.D.	1,400
Toluene	0.50	670	N.D.	N.D.	N.D.	4.4	6.7
Ethyl Benzene	0.50	310	N.D.	N.D.	2.8	30	700
Total Xylenes	0.50	160	N.D.	N.D.	0.73	11	310
Chromatogram Pattern:		Gasoline C6-C12	--	--	Gasoline C6-C12	Gasoline C6-C12	Gasoline C6-C12

Quality Control Data

Report Limit Multiplication Factor:	100	1.0	1.0	1.0	10	100
Date Analyzed:	10/21/94	10/21/94	10/21/94	10/25/94	10/21/94	10/21/94
Instrument Identification:	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	92	94	95	97	100	88

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

SEQUOIA ANALYTICAL, ELAP #1624

Linda C. Schneider
Project Manager

4100464.DLT <2>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Delta Environmental Consultants	Client Project ID:	D094-832/Exxon 7-0104	Sampled: Oct 11, 1994
3330 Data Drive, Suite 100	Sample Matrix:	Water	Received: Oct 12, 1994
Rancho Cordova, CA 95670	Analysis Method:	EPA 5030/8015/8020	Reported: Oct 27, 1994
Attention: Todd Galati	First Sample #:	410-0476	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 410-0476 EW-8	Sample I.D. 410-0477 EW-4	Sample I.D. 410-0478 EW-5
Purgeable Hydrocarbons	50	140	460	130
Benzene	0.50	12	100	16
Toluene	0.50	0.42	1.5	0.92
Ethyl Benzene	0.50	1.7	15	5.7
Total Xylenes	0.50	3.7	11	8.5
Chromatogram Pattern:		Gasoline C6-C12	Gasoline C6-C12	Gasoline C6-C12

Quality Control Data

Report Limit Multiplication Factor:	1.0	10	1.0
Date Analyzed:	10/21/94	10/24/94	10/24/94
Instrument Identification:	GCHP-2	GCHP-2	GCHP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	100	106	115

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

SEQUOIA ANALYTICAL, ELAP #1624

Linda C Schneider

Linda C. Schneider
Project Manager

4100464.DLT <3>

CHAIN OF CUSTODY

Delta Environmental Consultants, Inc.

Delta Environmental Consultants, Inc.
3330 Data Drive, Suite 100
Rancho Cordova, CA 95670
916/638-2085 • FAX 916/638-8385

LABORATORY SAMPLES SENT TO: Sequoia Analytical

ADDRESS:

PROJ. NO. D094-832

PROJECT NAME: Exxon 7-0104

PROJECT LOCATION: Alameda, Ca.

PROJECT MANAGER: Todd Galati

SAMPLERS (Signature): Paul Zeiano / William [signature]

Analysis Requested & Container Description

REMARKS: Standard TAT

LABORATORY SAMPLE ID	SAMPLE ID	DATE	TIME	SAMPLE TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	TPHg & BTEX						REMARKS
	MW-1	10/11/94	13:50			3	X		~~S4100-~~				S4100464 A-C
	MW-2	↓	15:35			↓	↓						465
	MW-3	↓	14:20			↓	↓						466
	MW-4	↓	15:00			↓	↓						467
	MW-5	↓	15:15			↓	↓						468
	MW-6	↓	14:15			↓	↓						469
	MW-7	↓	14:35			↓	↓						470
	MW-8	↓	16:20			↓	↓						471

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Paul Zeiano	10/12/94	9:50	S. Hunton	S. Hunton	10/12/94	1410	John Yowell

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Turnaround Time:
John Yowell	10/12/94	1530	[signature]	10/12/94	1530	

Sealed for shipment by: (signature)

Date/Time

Shipment method: Sequoia Courier

Sampler Comments:

Laboratory Comments:

Condition of Samples:

White: Return with analytical results to Delta Yellow: Laboratory Copy Pink: Delta's Copy

CHAIN OF CUSTODY

Delta
Environmental
Consultants, Inc.

Delta Environmental
Consultants, Inc.
3330 Data Drive, Suite 100
Rancho Cordova, CA 95670
916/638-2085 • FAX 916/638-8385

LABORATORY SAMPLES SENT TO: Sequoia Analytical
ADDRESS:

PROJ. NO. P014 832
PROJECT NAME: Exxon 7-0104
PROJECT LOCATION: Alameda, Ca.
PROJECT MANAGER: Todd Galati

SAMPLERS (Signature): Paul Zeirno / William Leatham

LABORATORY SAMPLE ID	SAMPLE ID	DATE	TIME	SAMPLE TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	Analysis Requested & Container Description: TPH/g + BTEX	REMARKS
	MW-9	10/11/94	15:50			3	X	S41066472 A-C
	MW-10		15:20					473
	EW-1		16:00					474
	EW-2		16:05					475
	EW-3		16:10					476
	EW-4		16:15					477
	EW-5	↓	16:20			↓	↓	478

REMARKS: Standard TAT

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Paul Zeirno	10/12/94	9:50	S. Hinton	S. Hinton	10/12/94	1410	John Yowell
Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Turnaround Time:	
John Yowell	10/12/94	1530		10/12/94	1530		

Sealed for shipment by: (signature) — Date/Time — Shipment method: Sequoia Courier

Sampler Comments:

Laboratory Comments:

Condition of Samples:

White: Return with analytical results to Delta Yellow: Laboratory Copy Pink: Delta's Copy

ENCLOSURE D

Ground Water Remediation System Analytical Results
Collected October 10, 1994

Sequoia Analytical
680 Chesapeake Drive: Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233
1900 Bates Avenue, Suite L Concord, CA 94520 (510) 686-9600 FAX (510) 686-9689
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Delta Environmental Consultants
3330 Data Drive, Suite 100
Rancho Cordova, CA 95670
Attention: Todd Galati

Client Project ID: 941832/Exxon 7-0104
Sample Matrix: Water
Analysis Method: EPA 5030/8015/8020
First Sample #: 410-0406

Sampled: Oct 10, 1994
Received: Oct 11, 1994
Reported: Oct 24, 1994

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 410-0406 Influent	Sample I.D. 410-0407 Effluent
Purgeable Hydrocarbons	50	N.D.	N.D.
Benzene	0.50	N.D.	N.D.
Toluene	0.50	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	N.D.
Total Xylenes	0.50	N.D.	N.D.
Chromatogram Pattern:		--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0
Date Analyzed:	10/20/94	10/20/94
Instrument Identification:	GCHP-2	GCHP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	92	95

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

SEQUOIA ANALYTICAL, ELAP #1624

Linda C. Schneider
Project Manager

4100406.DLT <1>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 3, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Delta Environmental Consultants
3330 Data Drive, Suite 100
Rancho Cordova, CA 95670
Attention: Todd Galati

Client Project ID: 94-832/Exxon 7-0104
Matrix: Water
QC Sample Goup: 4100406-407

Reported: Oct 24, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Chapman	C. Chapman	C. Chapman	C. Chapman
Concentration Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Batch#:	LCS102094	LCS102094	LCS102094	LCS102094
Date Prepared:	10/20/94	10/20/94	10/20/94	10/20/94
Date Analyzed:	10/20/94	10/20/94	10/20/94	10/20/94
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
LCS % Recovery:	78	83	84	87
Control Limits:	75-125	75-125	75-125	75-125
MS/MSD Batch #:	4100847	4100847	4100847	4100847
Date Prepared:	10/20/94	10/20/94	10/20/94	10/20/94
Date Analyzed:	10/20/94	10/20/94	10/20/94	10/20/94
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Matrix Spike % Recovery:	82	88	90	90
Matrix Spike Duplicate % Recovery:	81	87	89	90
Relative % Difference:	1.2	1.1	1.1	0.0

SEQUOIA ANALYTICAL

Linda C. Schneider
Project Manager

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

4100406.DLT <2>

CHAIN OF CUSTODY

Delta
Environmental
Consultants, Inc.

Delta Environmental
Consultants, Inc.
3330 Data Drive, Suite 100
Rancho Cordova, CA 95670
916/638-2085 • FAX 916/638-8385

LABORATORY SAMPLES SENT TO: Sequoia Analytical
ADDRESS: 916 921 9600
Sacramento, CA

PROJ. NO. 94-832
PROJECT NAME: Exxon 7-0104
PROJECT LOCATION: Almeida, CA
PROJECT MANAGER: Todd Galati
SAMPLERS (Signature)

LABORATORY SAMPLE ID	SAMPLE ID	DATE	TIME	SAMPLE TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	Analysis Requested & Container Description: BTEX	Analysis Requested & Container Description: TPH gas	REMARKS
	Influent	10/10/94	1320	H_2O		3	X	X	541063406 A-C
	Effluent	10/10/94	1330	H_2O		3	X	X	↓ 407 ↓

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
	10/10/94	1640			10/11/94	1445	
Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Turnaround Time:	
	10/11/94	1550		10/11/94	1550	Standard	

Sealed for shipment by: (signature) — Date/Time — Shipment method:

Sampler Comments:

Laboratory Comments:

Condition of Samples:

White: Return with analytical results to Delta Yellow: Laboratory Copy Pink: Delta's Copy

ENCLOSURE E

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

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

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

See notes on page 6 of 6

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

Date	Total Discharge	Sample Location	TPHg	B	T	E	X	VOCs	EOCs	Inorganics
			< parts per billion >							
02/26/93	15,440	None	Not Sampled							
03/04/93	36,240	"influent"	3,600	760	430	45	600	NA	NA	NA
		"A"	170	5.1	2.1	<0.5	20	NA	NA	NA
		"B"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
03/11/93	80,000	"influent"	3,800	480	390	84	600	NA	NA	NA
		"A"	63	0.5	<0.5	<0.5	0.8	NA	NA	NA
		"B"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
03/19/93	NR	"influent"	NS	NS	NS	NS	NS	NS	NS	NS
		"A"	4,100	530	420	100	800	NA	NA	NA
		"B"	NS	NS	NS	NS	NS	NS	NS	NS
		"C"	110	0.8	<0.5	<0.5	7.6	NA	NA	NA
03/31/93	184,321	None	Not Sampled							
04/02/93	192,674	None	Not Sampled							
04/05/93	208,161	None	Not Sampled							
04/07/93	214,604	None	Not Sampled							
04/09/93	223,530	None	Not Sampled							

See notes on page 6 of 6

TABLE 2
CUMULATIVE ANALYTICAL RESULTS OF WATER SAMPLES
FROM THE REMEDIATION SYSTEM
Exxon Service Station 7-0104
1725 Park Street
Alameda, California
(Page 3 of 6)

Date	Total Discharge	Sample Location	TPHg	B	T	E	X	VOCs	EOCs	Inorganics
			< parts per billion >							
04/13/93	238,370	None	Not Sampled							
04/16/93	250,960	None	Not Sampled							
04/30/93	270,400	"influent"	2,700	240	140	35	500	NA	NA	NA
		"A"	380	31	22	14	81	NA	NA	NA
		"B"	55	1.3	<0.5	<0.5	2.3	NA	NA	NA
		"C"	<50	1.5	0.9	<0.5	2.4	NA	NA	NA
05/11/93	308,640	None	Not Sampled							
05/20/93	346,407	None	Not Sampled							
06/14/93	346,407	"influent"	3,300	540	340	88	730	NA	NA	NA
		"A"	<50	<0.5	<0.5	<0.5	1.1	NA	NA	NA
		"B"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
06/24/93	393,810	None	Not Sampled							
06/29/93	415,739	None	Not Sampled							
07/08/93	455,820	"influent"	1,600	310	24	11	130	NA	NA	NA
		"A"	110	2.2	0.7	<0.5	1.4	NA	NA	NA
		"B"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA

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

Date	Total Discharge	Sample Location	TPHg	B	T	E	X	VOCs	EOCs	Inorganics
			< parts per billion >							
08/06/93	569,132	"influent"	2,900	510	180	56	710	NA	NA	NA
		"A"	94	1.9	<0.5	<0.5	1.1	NA	NA	NA
		"B"	61	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
09/08/93	675,360	"influent"	2,200	330	51	21	210	NA	NA	NA
		"A"	<50	2.1	<0.5	<0.5	<0.5	NA	NA	NA
		"B"	60	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
10/06/93	772,440	"influent"	5,000	810	56	100	460	NA	NA	NA
		"A"	740	18	1.3	<0.5	39	NA	NA	NA
		"B"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	390	7.5	0.6	<0.5	18	NA	NA	NA
10/15/93	810,448	"influent"	2,300	770	38	40	220	NA	NA	NA
		"A"	530	17	3.0	<0.5	33	NA	NA	NA
		"B"	69	0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
11/09/93	851,840	"A"	550	20 (16)	<0.5	<0.5	19 (20)	86[1]	ND	270[a]
		"B"	<50	<0.5	<0.5	<0.5	<0.5	ND	ND	180[a] 100[b]
		"C"	<50	<0.5	<0.5	<0.5	<0.5	ND	ND	80[a]

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TABLE 2
CUMULATIVE ANALYTICAL RESULTS OF WATER SAMPLES
FROM THE REMEDIATION SYSTEM
Exxon Service Station 7-0104
1725 Park Street
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Date	Total Discharge	Sample Location	TPHg	B	T	E	X	VOCs	EOCs	Inorganics
			< parts per billion >							
12/09/93	932,928	"A"	1,500	130	350	10	82	NA	NA	NA
		"B"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	3.6	9.5	<0.5	<0.5	NA	NA	NA
12/22/93	---	"Eff"	190	1.9	1.6	<0.5	10	NA	NA	NA
01/10/94	1,039,530	"A"	340	17 (19)	2.3	<0.5	7.6 (8)	120[a] 7[d] 120[i]	ND	6[c] 330[b] 300[e]
		"B1"	120	2.3	<0.5	<0.5	<0.5	NA	NA	NA
		"B2"	61	0.6	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	55	<0.5	<0.5	<0.5	<0.5	ND	ND	220[e]
02/24/94	1,152,290	"A"	1400	310	22	<0.5	99	NA	NA	NA
		"B1"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"B2"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	75	1.3	<0.5	<0.5	<0.5	NA	NA	NA
03/07/94	---	"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
03/30/94	1,267,720	"A"	190	0.9	0.9	<0.5	<0.5	NA	NA	NA
		"B1"	55	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"B2"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
		"C"	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
MCLs	---	---	---	1.0	---	680	1,750		See Notes	
DWAL	---	---	---	---	100	---	---		See Notes	

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

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

Notes:

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