EXXON COMPANY, U.S.A.

P.O. BOX 4032 • CONCORD, CALIFORNIA 94524-4032
MARKETING DEPARTMENT • ENVIRONMENTAL ENGINEERING

DARIN L. ROUSE
SENIOR ENGINEER

(925) 246-8768
(925) 246-8798 FAX

ENVIRONMENTAL PROTECTION

00 MAR 34 PM 3:25

MAR 2000

System removes ~ 30 pounds TPH/yr.
- Table 4 is missing
ERI are new consultants.

March 22, 2000

Ms. Eva Chu
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, California

Dear Ms. Chu:

Attached for your review and comment is a report entitled *Ground Water Monitoring Report, Fourth Quarter 1999 and First Quarter 2000* for the above referenced site. This report was prepared by Delta Environmental Consultants, Inc., of Rancho Cordova, California, and details the results of the October 1999 and January 2000 ground water monitoring and sampling events.

Please note that on November 12, 1997, monitoring well MW-10 was inadvertently destroyed by Chevron's consultant for the former service station located immediately northeast of the Exxon site. Apparently, it was one of many wells destroyed at that site following regulatory concurrence of closure. Delta points out that this well is not necessary and suggests that it does not need to be replaced. They indicate that potential off-site migration of petroleum hydrocarbons will be monitored at MW-9, which is directly downgradient of the site. I understand that you spoke with Jim Brownell of Delta regarding the need for MW-10 and concurred with Delta's opinion, but indicated that before you would make a final decision, you wanted to review the data in Delta's *Ground Water Monitoring Report, Second Quarter 1999 and Third Quarter 1999* semi-annual monitoring report dated September 7, 1999.

If you have any questions or comments, please contact me at (925) 246-8776.

Sincerely,

Darin L. Rouse
Senior Engineer

DLR/tjm

attachment: Delta's *Ground Water Monitoring Report, Fourth Quarter 1999 and First Quarter 2000,* dated, March 16, 2000

cc: w/attachment
Mr. Richard Hiett - California Regional Water Quality Control Board, San Francisco Bay Region

w/o attachment
Mr. James R. Brownell - Delta Environmental Consultants, Inc.

GROUND WATER MONITORING REPORT, FOURTH QUARTER 1999 AND FIRST QUARTER 2000

EXXON SERVICE STATION No. 7-0104
1725 PARK STREET
ALAMEDA, CALIFORNIA
DELTA PROJECT NO. D094-832

March 16, 2000

Prepared By

DELTA ENVIRONMENTAL CONSULTANTS, INC.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670
(916) 638-2085

Delta
Environmental
Consultants, Inc.

3164 Gold Camp Drive
Suite 200
Rancho Cordova, CA 95670-6021
U.S.A.
916/638-2085
FAX: 916/638-8385

March 16, 2000

Mr. Darin L. Rouse
ExxonMobil Corporation
2300 Clayton Road, Suite 1250
Concord, California 94520

Subject: *Ground Water Monitoring Report,*
Fourth Quarter 1999 and First Quarter 2000
Exxon Service Station No. 7-0104
1725 Park Street
Alameda, California
Delta Project No. D094-832

Dear Mr. Rouse:

Delta Environmental Consultants, Inc. (Delta) has been authorized by ExxonMobil Corporation (Exxon) to prepare a report summarizing quarterly ground water monitoring performed by Blaine Tech Services (Blaine Tech) and operation and maintenance performed by Delta on the remediation system at Exxon Service Station No. 7-0104, which is in service. This report presents the results of quarterly ground water monitoring and sampling and the status of the remediation system through the first quarter 2000. Work conducted at the site by Blaine Tech was performed in accordance with the field methods and procedures described in Enclosure A.

Work Performed

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 fourth quarters. Sampling monitoring wells MW-3, MW-8, MW-9, and MW-12 and extraction wells EW-1 through EW-5 has been discontinued. However, monitoring wells MW-8 and MW-9 will be sampled in 1999. A copy of the ACHS letter is included in Enclosure B.

Blaine Tech recorded ground water in monitoring wells MW-1, MW-4 through MW-9, and MW-11 on October 25, 1999 and January 21, 2000. Cumulative ground water level measurements are presented in Table 1. Ground water elevation contour maps constructed from the ground water level elevations measured on October 25, 1999 and January 21, 2000 are included as Figures 1 and 2, respectively. Figure 1 and 2 indicate that the ground water flow direction on October 25, 1999 and January 21, 2000 was towards the east. The ground water treatment system was cycled off. The historical ground water flow direction is toward the northeast when the ground water treatment system is not operating. Ground water sampling information sheets prepared by Blaine Tech for each sampling event are included in Enclosure C.

Ground water samples were collected from monitoring wells MW-6, MW-8, MW-9, MW-11 on October 25, 1999, and MW-1, MW-4, through MW-9, and MW-11 on January 21, 2000. A ground

water sample was collected from MW-2 on February 11, 2000. Samples were submitted to Southern Petroleum Laboratory (a California-certified laboratory) located in Houston, Texas for analyses of benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by EPA Method 8021B and total purgeable petroleum hydrocarbons (TPPH) as gasoline by EPA Method 8015 Modified. Cumulative analytical results are summarized in Table 1. Dissolved petroleum hydrocarbon constituent maps based on analytical results for ground water samples collected on October 25, 1999 and January 21, 2000 are included as Figure 3 and Figure 4, respectively. Copies of the laboratory analytical reports and chain-of-custody documentation for the ground water samples collected on October 25, 1999, January 21, 2000 and February 11, 2000 are presented in Enclosure D.

Subjective Analysis

Liquid-phase petroleum hydrocarbons were not observed in any of the measured monitoring wells during the fourth quarter 1999 and first quarter 2000 ground water monitoring site visits.

Remediation System Status

The remediation system consists of an air sparging (AS), soil vapor extraction (SVE), and ground water treatment system. The AS system injects air from two oilless air compressors into wells MW-2, MW-6, EW-1, EW-5, SM-1 and SW-1. The SVE system extracts soil vapors from vapor wells VW-1, VW-2 and horizontal vapor lines utilizing a Sutorbilt 100 standard cubic feet per minute vacuum blower, and routes the soil vapors through two 400-pound vapor-phase granular activated carbon (GAC) columns prior to atmospheric discharge. The ground water treatment system consists of five pneumatic pumps installed in extraction wells EW-1 through EW-5. The pumping wells EW-1 and EW-5 were deactivated due to the sparging activities in the wells. Ground water is pumped from EW-2 through EW-4 into a surge tank and transferred through a bag filter into three aqueous phase GAC columns in series. The treated ground water then flows through a flow totalizer prior to discharge to the sanitary sewer. A process flow diagram of the remediation system is included as Figure 5.

Ground Water Treatment System Status

A total of 6,055,000 gallons of ground water have been treated and discharged to the sanitary sewer as of February 8, 2000. Ground water treatment system samples are collected on a monthly basis when the system is operating and are submitted for laboratory analyses of BTEX, TPPH as gasoline and TEPH as diesel. A cumulative table of ground water volume processed by the ground water treatment system and cumulative analytical results collected through the first quarter 2000 are included in Table 2. Copies of the laboratory analytical reports with chain-of-custody documentation are provided in Enclosure E.

Soil Vapor Extraction System Status

Monthly air samples are collected from the influent, mid-carbon, and effluent vapor stream of the SVE system. The samples are submitted for laboratory analyses of BTEX and TPPH as gasoline. Cumulative analytical results collected from the SVE system are summarized in Table 3 and copies of the analytical reports are included in Enclosure F. A summary of data collected through the first quarter 2000 including destruction efficiencies and mass flow rates is included in Table 4. A graph depicting the total hydrocarbons removed vs. system operating time is included as Figure 6.

MISSING

Recommendations

The ACHS has tentatively agreed to drop monitoring point MW-10 from the monitoring program; however, they will make a final decision on its discontinuance once the site's second and third quarter 1999 monitoring data has been reviewed. Potential off-site migration of petroleum hydrocarbons will be monitored at monitoring well MW-9, which is directly downgradient of the site.

Future Work

The next quarterly monitoring event for this site is scheduled for April 2000, at which time monitoring wells MW-6, MW-8, MW-9, and MW-11 will be sampled. Monitoring wells MW-1, MW-2, and MW-4 through MW-9, and MW-11 will be sampled during July 2000. Delta anticipates continuing operation of the ground water remediation system. Delta is currently finalizing a Risk Based Corrective action report for this site.

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

Ms. Eva Chu
Alameda County Department of Environmental
Health Hazardous Material Division
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Mr. Richard Hiett
Regional Water Quality Control Board,
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

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 Steve Meeks at (916) 536 2613.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

J. William Speth
Staff Geologist

Steven W. Meeks, P.E.
Project Manager
California Registered Civil Engineer No. C057461

JWS (LRP033.832)

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1725 PARK STREET
ALAMEDA, CALIFORNIA
DELTA PROJECT NO. D094-832

March 16, 2000

Prepared By

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3164 Gold Camp Drive, Suite 200
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1515 Clay Street, Suite 1400
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Remarks/Signatures

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If you have any questions regarding this project, please contact Steve Meeks at (916) 536 2613.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

J. William Speth
Staff Geologist

Steven W. Meeks, P.E.
Project Manager
California Registered Civil Engineer No. C057461

JWS (LRP033.832)

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (µg/L)	Comments
MW-1	09/12/94	17.35	7.11	10.24	200	1.9	210	6.6	1,600[a]	NA	NA	No LPH or sheen
	10/01/94		7.44	9.91	200	<0.5	160	6.6	1,400[a]	NA	NA	No LPH or sheen
	01/13/95		5.13	12.22	410[b]	17	280[b]	89	2,100[a]	NA	NA	No LPH or sheen
	04/27/95		6.57	10.78	460	41	340	270	4,700	NA	NA	No LPH or sheen
	08/03/95		7.46	9.89	140	<5.0	160	9.9	1,900	30	NA	No LPH or sheen
	10/17/95		7.67	9.68	6.2	<0.5	13	0.75	280	5.5	NA	No LPH or sheen
	01/24/96		6.52	10.83	21	1.4	38	3.1	740	440	NA	No LPH or sheen
	04/24/96		5.95	11.40	200	110	1,000	740	7,800	250	NA	No LPH or sheen
	07/26/96		7.60	9.75	8.0	0.99	26	1.0	620	23	NA	No LPH or sheen
	10/30/96		8.06	9.29	14	2.9	85	3.5	700	33	NA	No LPH or sheen
	01/31/97		5.12	12.23	420	33	1,400	480	7,600	<200	NA	No LPH or sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		7.54	9.81	10	<0.5	<0.5	<0.5	580	12	NA	No LPH or sheen
	10/08/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/28/98		4.48	12.87	110	2.8	170	14	820	<2.5[c]	NA	No LPH or sheen
	04/14/98		4.69	12.66	NS	NS	NS	NS	NS	NS	NS	Not Measured
	07/30/98		6.19	11.16	210	<5.0	550	<5.0	2,700	41	NA	No LPH or sheen
	10/19/98		6.72	10.63	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/13/99		6.52	10.83	8.0	<0.5	<0.5	<0.5	491	9.78	NA	No LPH or sheen
	04/28/99		5.37	11.98	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/09/99		6.39	10.96	114	8.07	184	0.644	1,030	10.6	NA	No LPH or sheen
	10/25/99		6.68	10.67	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/21/00		6.20	11.15	<1.0	<1.0	<1.0	<1.0	<50	5.1	NA	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (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	NA	No LPH or sheen
	10/01/94		7.22	9.45	4,500	250	1,800	2,400	45,000[a]	NA	NA	No LPH or sheen
	01/13/95		4.46	12.22	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/27/95		6.92	9.75	7,000	840	2,400	3,400	44,000	NA	NA	No LPH or sheen
	08/03/95		6.96	9.71	4,600	170	1,600	1,100	30,000	37,000	NA	No LPH or sheen
	10/17/95		7.83	8.84	5,400	190	2,000	1,500	45,000	14,000	NA	No LPH or sheen
	01/24/96		6.45	10.22	5,000	810	2,200	2,200	30,000	4,100	NA	No LPH or sheen
	04/24/96		6.00	10.67	8,700	410	2,200	2,000	34,000	22,000	NA	No LPH or sheen
	07/26/96		7.14	9.53	10,000	<200	1,800	760	40,000	18,000	NA	No LPH or sheen
	10/30/96		6.95	9.72	9,100	<250	2,400	730	43,000	18,000	NA	No LPH or sheen
	01/31/97		5.07	11.60	2,400	630	1,500	3,300	28,000	8,000[c]	NA	No LPH or sheen
	04/10/97		NM	NC	NS	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	NA	No LPH or sheen
	10/08/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/28/98		4.46	12.21	5,600	410	1,500	720	29,000	28,000[c]	NA	No LPH or sheen
	04/14/98		4.48	12.19	NS	NS	NS	NS	NS	NS	NS	Not Measured
	07/30/98		6.01	10.66	7,500	<200	1,300	280	24,000	6,300	NA	No LPH or sheen
	10/19/98		6.35	10.32	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/13/99		6.54	10.13	4,750	211	1,760	45.3	18,400	2,200	NA	No LPH or sheen
	04/28/99		5.54	11.13	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/09/99		6.45	10.22	4,270	80.1	1,300	339	14,100	3,410	NA	No LPH or sheen
	10/25/99		NM	NC	NS	NS	NS	NS	NS	NS	NS	Inaccessible
	01/21/00		NM	NC	NS	NS	NS	NS	NS	NS	NS	Inaccessible
	02/11/00		NM	NC	<1.0	<1.0	<1.0	<1.0	<50	15	NA	No LPH or sheen

TABLE 1

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Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (µg/L)	Comments
MW-3	09/12/94	17.11	6.58	10.53	580	8	340	100	3,100[a]	NA	NA	No LPH or sheen
	10/01/94		6.85	10.26	640	11	230	130	3,800[a]	NA	NA	No LPH or sheen
	01/13/95		5.27	11.84	690	24	210	130	3,800[a]	NA	NA	No LPH or sheen
	04/27/95		6.05	11.06	940	35	810	530	7,500	NA	NA	No LPH or sheen
	08/03/95		6.71	10.40	380	<5.0	140	45	1,900	24	NA	No LPH or sheen
	10/17/95		7.46	9.65	950	29	230	190	6,100	<5.0	NA	No LPH or sheen
	01/24/96		5.83	11.28	730	15	190	110	3,000	<100	NA	No LPH or sheen
	04/24/96		5.38	11.73	1,200	130	1,000	1,400	11,000	<100	NA	No LPH or sheen
	07/26/96		6.80	10.31	800	16	24	56	2,500	250	NA	No LPH or sheen
	10/30/96		7.20	9.91	1,300	28	170	180	5,200	2,900	NA	No LPH or sheen
	01/31/97		4.31	12.80	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/08/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/28/98		4.03	13.08	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/14/98		3.80	13.31	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	07/30/98		5.84	11.27	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	10/19/98		6.25	10.86	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/13/99		6.14	10.97	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/28/99		4.95	12.16	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/09/99		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/25/99		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/21/00		NM	NC	NS	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	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (µg/L)	Comments
MW-4	09/12/94	17.34	6.80	10.54	900	57	310	490	5,200[a]	NA	NA	No LPH or sheen
	10/01/94		7.09	10.25	1,200	66	360	380	9,100[a]	NA	NA	No LPH or sheen
	01/13/95		4.66	12.68	1,300	200	550	1,000	25,000[a]	NA	NA	No LPH or sheen
	04/27/95		5.54	11.80	650	130	350	590	5,900	NA	NA	No LPH or sheen
	08/03/95		6.92	10.42	1,000	<12	170	140	4,200	5,700	NA	No LPH or sheen
	10/17/95		7.50	9.84	1,300	30	360	380	6,900	1,700	NA	No LPH or sheen
	01/24/96		5.81	11.53	1,900	46	290	330	6,300	830	NA	No LPH or sheen
	04/24/96		5.44	11.90	1,800	<20	190	130	5,000	1,600	NA	No LPH or sheen
	07/26/96		7.03	10.31	1,700	<25	340	280	9,100	1,200	NA	No LPH or sheen
	10/30/96		7.57	9.77	1,100	35	420	300	5,300	1,500	NA	No LPH or sheen
	01/31/97		4.22	13.12	1,200	28	490	130	6,500	40,000	NA	No LPH or sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		7.56	9.78	1,100	120	470	720	10,000	11,000	NA	No LPH or sheen
	10/08/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/28/98		3.70	13.64	450	6.8	220	73	1,700	4,900[c]	NA	No LPH or sheen
	04/14/98		3.81	13.53	NS	NS	NS	NS	NS	NS	NS	Not Measured
	07/30/98		5.96	11.38	680	<10	220	56	2,900	2,800	NA	No LPH or sheen
	10/19/98		6.51	10.83	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/13/99		6.24	11.10	146	<10	60.9	16.2	2,140	1,800	NA	No LPH or sheen
	04/28/99		4.80	12.54	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/09/99		6.04	11.30	322	<2.5	76.1	<2.5	1,300	1,310	NA	No LPH or sheen
	10/25/99		6.51	10.83	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/21/00		5.75	11.59	410	3.70	40	14.4	2,200	1,000	NA	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (µg/L)	Comments
MW-5	09/12/94	16.71	7.12	9.59	2,300	17	320	230	10,000[a]	NA	NA	No LPH or sheen
	10/01/94		7.06	9.65	2,300	19	220	200	11,000[a]	NA	NA	Sheen
	01/13/95		4.85	11.88	NS	NS	NS	NS	NS	NS	NS	LPH thickness of 0.02'
	04/27/95		6.51	10.20	2,200	72	540	350	14,000	NA	NA	No LPH or sheen
	08/03/95		7.24	9.47	2,100	<100	210	<100	<10,000	39,000	NA	No LPH or sheen
	10/17/95		7.80	8.91	1,800	14	240	170	13,000	38,000	NA	No LPH or sheen
	01/24/96		6.66	10.05	2,400	79	340	190	10,000	20,000	NA	No LPH or sheen
	04/24/96		5.80	10.91	3,700	120	520	170	13,000	33,000	NA	No LPH or sheen
	07/26/96		7.67	9.04	3,400	53	280	76	15,000	140,000	NA	No LPH or sheen
	10/30/96		7.77	8.94	2,600	76	260	150	10,000	110,000[a]	NA	No LPH or sheen
	01/31/97		4.90	11.81	2,400	66	430	140	10,000	34,000[c]	NA	No LPH or sheen
	04/10/97		NM	NC	NS	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]	NA	No LPH or sheen
	10/08/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/28/98		3.95	12.76	1,500	34	73	57	6,500	15,000[c]	NA	No LPH or sheen
	04/14/98		4.30	12.41	NS	NS	NS	NS	NS	NS	NS	Not Measured
	07/30/98		5.86	10.85	1,700	26	110	66	8,300	4,300	NA	No LPH or sheen
	10/19/98		6.20	10.51	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/13/99		6.37	10.34	1,240	11.1	<10	<10	4,780	3,650	NA	No LPH or sheen
	04/28/99		5.25	11.46	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/09/99		6.08	10.63	1,780	18.6	45	<5.0	4,360	2,360	NA	No LPH or sheen
	10/25/99		6.46	10.25	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/21/00		5.79	10.92	720	4.7	25	11.3	2,600	3,100	NA	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (µg/L)	Comments
MW-6	09/12/94	17.56	6.88	10.68	150	4.4	170	85	1,500[a]	NA	NA	No LPH or sheen
	10/01/94		7.15	10.41	120	<0.5	99	38	87[a]	NA	NA	No LPH or sheen
	01/13/95		4.80	12.76	710	220	780	1,100	9,900[a]	NA	NA	No LPH or sheen
	04/27/95		6.14	11.42	340	40	460	320	3,900	NA	NA	No LPH or sheen
	08/03/95		6.83	10.73	89	<2.5	110	63	1,100	65	NA	No LPH or sheen
	10/17/95		7.66	9.90	410	74	850	110	8,500	<5.0	NA	No LPH or sheen
	01/24/96		5.86	11.70	560	1,500	2,200	7,500	31,000	<5.0	NA	No LPH or sheen
	04/24/96		5.39	12.17	460	570	1,400	3,300	15,000	280	NA	No LPH or sheen
	07/26/96		6.97	10.59	270	660	1,600	5,500	27,000	1,300	NA	No LPH or sheen
	10/30/96		7.45	10.11	490	440	1,800	6,200	28,000	900	NA	No LPH or sheen
	01/31/97		4.30	13.26	190	1,000	380	1,400	7,000	770	NA	No LPH or sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		7.57	9.99	200	<50	300	860	6,800	1,100	NA	No LPH or sheen
	10/08/97		7.48	10.08	870	7,300	2,600	12,000	51,000	580	700[c]	No LPH or sheen
	01/28/98		3.74	13.82	650	2,300	900	2,700	15,000	2,400[c]	NA	No LPH or sheen
	04/14/98		3.92	13.64	850	3,300	1,200	4,300	25,000	2,100[c]	NA	No LPH or sheen
	07/30/98		6.09	11.47	270	65	500	630	5,900	910	NA	No LPH or sheen
	10/19/98		6.56	11.00	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/13/99		6.35	11.21	204	107	297	304	3,150	422	NA	No LPH or sheen
	04/28/99		4.89	12.67	1,270	980	1,100	3,320	15,300	436[c]	436[c]	No LPH or sheen
	07/09/99		6.07	11.49	121	9.95	160	4.69	1,140	439	NA	No LPH or sheen
	10/25/99		6.11	11.45	590	<10	22	12.1	2,200	3,400	NA	No LPH or sheen
	01/21/00		5.86	11.70	95	15	94	74	1,300	1,000	NA	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (µg/L)	Comments
MW-7	09/12/94	17.12	6.43	10.69	490	50	280	70	6,000[a]	NA	NA	No LPH or sheen
	10/01/94		6.71	10.41	940	670	310	160	8,900[a]	NA	NA	No LPH or sheen
	01/13/95		4.29	12.83	590	780	970	4,200	20,000[a]	NA	NA	No LPH or sheen
	04/27/95		5.00	12.12	410	32	410	230	8,800	NA	NA	No LPH or sheen
	08/03/95		6.53	10.59	390	<50	290	<50	4,900	17,000	NA	No LPH or sheen
	10/17/95		7.23	9.89	530	26	240	25	6,700	17,000	NA	No LPH or sheen
	01/24/96		5.26	11.86	2,000	390	350	230	9,300	60,000	NA	No LPH or sheen
	04/24/96		5.06	12.06	2,400	850	150	130	9,000	360,000	NA	No LPH or sheen
	07/26/96		6.62	10.50	530	25	60	46	4,800	86,000	NA	No LPH or sheen
	10/30/96		7.09	10.03	180	9.8	58	38	3,400	28,000	NA	No LPH or sheen
	01/31/97		3.65	13.47	300	18	48	37	3,800	45,000	NA	No LPH or sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		7.44	9.68	70	<25	<25	<25	3,500	18,000	NA	No LPH or sheen
	10/08/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/28/98		3.06	14.06	1.0	<0.5	<0.5	0.67	100	250[c]	NA	No LPH or sheen
	04/14/98		3.10	14.02	NS	NS	NS	NS	NS	NS	NS	Not Measured
	07/30/98		5.78	11.34	1.4	<0.5	<0.5	<0.5	100	670	NA	No LPH or sheen
	10/19/98		6.25	10.87	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/13/99		5.98	11.14	<2.5	<2.5	<2.5	<2.5	273	530	NA	No LPH or sheen
	04/28/99		4.32	12.80	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/09/99		5.67	11.45	3.79	7.10	1.19	8.65	139	860	NA	No LPH or sheen
	10/25/99		6.23	10.89	<1.0	<1.0	<1.0	<1.0	<50	<1.0	NA	No LPH or sheen
	01/21/00		5.41	11.71	10	2.5	<1.0	2.5	410	500	NA	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (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	NA	No LPH or sheen
	10/01/94		6.62	9.71	<0.5	<0.5	<0.5	<0.5	<50[a]	NA	NA	No LPH or sheen
	01/13/95		5.25	11.08	<0.5	<0.5	<0.5	<0.5	<50[a]	NA	NA	No LPH or sheen
	04/27/95		6.00	10.33	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No LPH or sheen
	08/03/95		6.28	10.05	<0.5	<0.5	<0.5	<0.5	<50	<2.5	NA	No LPH or sheen
	10/17/95		6.93	9.40	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	01/24/96		5.71	10.62	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	04/24/96		5.52	10.81	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	07/26/96		6.27	10.06	<0.5	<0.5	<0.5	<0.5	<50	230	NA	No LPH or sheen
	10/30/96		6.69	9.64	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	01/31/97		5.18	11.15	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/08/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/28/98		5.11	11.22	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/14/98		5.02	11.31	<0.5	<0.5	<0.5	<0.5	<50	<2.5	NA	No LPH or sheen
	07/30/98		5.84	10.49	<0.5	<0.5	<0.5	<0.5	<50	6.6	NA	No LPH or sheen
	10/19/98		6.07	10.26	<0.5	<0.5	<0.5	<0.5	<50	<2.5	NA	No LPH or sheen
	01/13/99		5.59	10.74	<0.5	<0.5	<0.5	<0.5	<50	<2.0	NA	No LPH or sheen
	04/28/99		5.38	10.95	<0.5	<0.5	<0.5	<0.5	<50	<0.5[c]	ND	No LPH or sheen
	07/09/99		5.71	10.62	<0.5	<0.5	<0.5	<0.5	<50	3.01	NA	No LPH or sheen
	10/25/99		6.15	10.18	<1.0	<1.0	<1.0	<1.0	<50	<1.0	NA	No LPH or sheen
	01/21/00		6.51	9.82	<1.0	<1.0	<1.0	<1.0	<50	<1.0	NA	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (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	NA	No LPH or sheen
	10/01/94		6.97	8.65	<0.5	<0.5	<0.5	<0.5	<50[a]	NA	NA	No LPH or sheen
	01/13/95		6.18	9.44	<0.5	<0.5	<0.5	<0.5	<50[a]	NA	NA	No LPH or sheen
	04/27/95		6.58	9.04	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No LPH or sheen
	08/03/95		6.72	8.90	<0.5	<0.5	<0.5	<0.5	<50	<2.5	NA	No LPH or sheen
	10/17/95		7.09	8.53	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	01/24/96		6.46	9.16	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	04/24/96		6.43	9.19	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	07/26/96		6.80	8.82	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	10/30/96		6.94	8.68	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	01/31/97		6.10	9.52	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/08/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/28/98		5.66	9.96	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/14/98		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not Measured
	07/30/98		6.17	9.45	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	10/19/98		6.40	9.22	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/13/99		6.28	9.34	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/28/99		5.87	9.75	<0.5	<0.5	<0.5	<0.5	<50	<0.5[c]	ND	No LPH or sheen
	07/09/99		6.24	9.38	<0.5	<0.5	<0.5	<0.5	<50	<2.0	NA	No LPH or sheen
	10/25/99		6.67	8.95	<1.0	<1.0	<1.0	<1.0	<50	<1.0	NA	No LPH or sheen
	01/21/00		6.93	8.69	<1.0	<1.0	<1.0	<1.0	<50	<1.0	NA	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

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

Well destroyed on November 12, 1997

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (µg/L)	Comments
MW-11	10/17/95	18.04	7.72	10.32	3,800	150	950	4,500	34,000	890	NA	No LPH or sheen
	01/24/96		5.97	12.07	3,800	1,200	2,100	9,800	44,000	<500	NA	No LPH or sheen
	04/24/96		5.84	12.20	2,900	1,400	1,700	8,300	34,000	720	NA	No LPH or sheen
	07/26/96		6.98	11.06	4,600	4,200	950	9,500	39,000	800	NA	No LPH or sheen
	10/30/96		7.54	10.50	4,200	3,600	2,100	9,600	53,000	990	NA	No LPH or sheen
	01/31/97		5.00	13.04	170	2,500	940	4,300	23,000	310[c]	NA	No LPH or sheen
	04/10/97		NM	NC	1,200	440	970	6,400	29,000	200	NA	No LPH or sheen
	07/10/97		7.30	10.74	1,700	870	1,900	12,000	42,000	690	NA	No LPH or sheen
	10/08/97		7.62	10.42	1,700	2,500	1,400	9,900	42,000	1,100	1,300[c]	No LPH or sheen
	01/28/98		4.77	13.27	2,400	3,500	1,700	7,900	35,000	6,800[c]	NA	No LPH or sheen
	04/14/98		4.68	13.36	1,700	250	500	2,000	15,000	1,200[c]	NA	No LPH or sheen
	07/30/98		6.33	11.71	1,600	560	1,000	4,300	24,000	1,700	NA	No LPH or sheen
	10/19/98		6.65	11.39	1,200	2,500	920	4,900	29,000	1,700	NA	No LPH or sheen
	01/13/99		6.42	11.62	2,210	6,440	2,030	10,600	50,900	1,920	NA	No LPH or sheen
	04/28/99		5.30	12.74	3,790	4,260	1,790	2,970	59,400	2,390[c]	2,390[c]	No LPH or sheen
	07/09/99		6.22	11.82	5,890	5,340	2,370	12,700	51,500	4,630	NA	No LPH or sheen
	10/25/99		6.77	11.27	3,900	5,800	2,300	12,300	51,000	1,700	NA	No LPH or sheen
	01/21/00		6.47	11.57	2,300	4,600	2,100	11,600	56,000	1,100	NA	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (µg/L)	Comments
MW-12	10/17/95	16.30	6.38	9.92	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	01/24/96		4.86	11.44	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	04/24/96		4.46	11.84	<0.5	0.68	<0.5	0.72	<50	<5.0	NA	No LPH or sheen
	07/26/96		5.90	10.40	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	10/30/96		6.56	9.74	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	01/31/97		4.57	11.73	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/08/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/28/98		3.90	12.40	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/14/98		3.67	12.63	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	07/30/98		5.00	11.30	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	10/19/98		NM	NC	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/13/99		5.19	11.11	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/28/99		4.53	11.77	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/09/99		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/25/99		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/21/00		NM	NC	NS	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	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (µg/L)	Comments
EW-1	09/12/94	16.22	6.13	10.09	40	<0.5	10	5.4	400[a]	NA	NA	No LPH or sheen
	10/01/94		7.63	8.59	<0.5	4.4	30	11	3,400[a]	NA	NA	No LPH or sheen
	01/13/95		11.46	4.76	40	<0.5	12	16	680[a]	NA	NA	No LPH or sheen
	04/27/95		15.47	0.75	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	08/03/95		13.85	2.37	2.7	<1.2	<1.2	<1.2	<125	590	NA	No LPH or sheen
	10/17/95		8.05	8.17	220	<0.5	160	36	3,600	400	NA	No LPH or sheen
	01/24/96		11.07	5.15	4.3	<0.5	1.3	0.53	64	260	NA	No LPH or sheen
	04/24/96		6.20	10.02	130	2.3	35	2.1	740	3,000	NA	No LPH or sheen
	07/26/96		13.93	2.29	<0.5	<0.5	<0.5	<0.5	<50	960	NA	No LPH or sheen
	10/30/96		13.74	2.48	0.52	<0.5	<0.5	<0.5	<50	5,300	NA	No LPH or sheen
	01/31/97		8.40	7.82	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/08/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/28/98		3.35	12.87	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/14/98		3.52	12.70	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	07/30/98		5.48	10.74	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	10/19/98		5.77	10.45	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/13/99		5.49	10.73	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/28/99		4.31	11.91	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	07/09/99		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/25/99		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/21/00		NM	NC	NS	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	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (µg/L)	Comments
EW-2	09/12/94	16.05	6.09	9.96	2,000	79	180	290	8,800[a]	NA	NA	No LPH or sheen
	10/01/94		7.32	8.73	1,400	6.7	700	310	9,500[a]	NA	NA	No LPH or sheen
	01/13/95		14.38	1.67	930	270	21	280	5,700[a]	NA	NA	No LPH or sheen
	04/27/95		15.23	0.82	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	08/03/95		7.19	8.86	170	27	36	64	830	1,600	NA	No LPH or sheen
	10/17/95		18.97	-2.92	<0.5	<0.5	<0.5	5.1	180	3,600	NA	No LPH or sheen
	01/24/96		20.32	-4.27	290	82	14	170	1,700	6,400	NA	No LPH or sheen
	04/24/96		9.46	6.59	670	200	110	490	3,500	7,300	NA	No LPH or sheen
	07/26/96		16.50	-0.45	250	56	10	220	1,400	14,000	NA	No LPH or sheen
	10/30/96		20.30	-4.25	200	44	8.8	190	1,500	13,000	NA	No LPH or sheen
	01/31/97		19.21	-3.16	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/08/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/28/98		3.35	12.70	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/14/98		3.45	12.60	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	07/30/98		11.50	4.55	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	10/19/98		5.67	10.38	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/13/99		9.57	6.48	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/28/99		10.15	5.90	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	07/09/99		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/25/99		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/21/00		NM	NC	NS	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	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (µg/L)	Comments
EW-3	09/12/94	16.02	6.12	9.96	44	5.9	12	31	300[a]	NA	NA	No LPH or sheen
	10/01/94		10.52	5.50	12	0.42	1.7	3.7	140[a]	NA	NA	No LPH or sheen
	01/13/95		18.13	-2.11	4.6	7.6	1.2	6.6	230[a]	NA	NA	No LPH or sheen
	04/27/95		23.07	-7.05	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	08/03/95		22.90	-6.88	<2.0	<2.0	<2.0	<2.0	<200	1,400	NA	No LPH or sheen
	10/17/95		22.87	-6.85	4.4	<0.5	<0.5	<0.5	74	2,400	NA	No LPH or sheen
	01/24/96		20.97	-4.95	16	<0.5	<0.5	<0.5	120	2,300	NA	No LPH or sheen
	04/24/96		18.10	-2.08	34	3.7	8.9	11	180	3,800	NA	No LPH or sheen
	07/26/96		13.14	2.88	45	0.7	<0.5	2.1	180	2,000	NA	No LPH or sheen
	10/30/96		9.24	6.78	60	8.2	<0.5	100	660	2,800	NA	No LPH or sheen
	01/31/97		11.10	4.92	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/08/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/28/98		3.42	12.60	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/14/98		3.50	12.52	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	07/30/98		18.57	-2.55	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	10/19/98		5.65	10.37	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/13/99		13.85	2.17	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/28/99		4.52	11.50	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	07/09/99		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/25/99		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/21/00		NM	NC	NS	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	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (µg/L)	Comments
EW-4	09/12/94	16.61	5.69	10.92	1,700	12	210	77	4,000[a]	NA	NA	No LPH or sheen
	10/01/94		7.90	8.71	100	1.5	15	11	460[a]	NA	NA	No LPH or sheen
	01/13/95		11.36	5.25	89	8.8	1.6	82	520[a]	NA	NA	No LPH or sheen
	04/27/95		16.30	0.31	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	08/03/95		6.45	10.16	3,100	1,100	2,000	8,200	42,000	17,000	NA	No LPH or sheen
	10/17/95		15.89	0.72	6.3	<0.5	<0.5	<0.5	92	2,500	NA	No LPH or sheen
	01/24/96		6.03	10.58	79	2.5	2.9	10	220	9,200	NA	No LPH or sheen
	04/24/96		4.97	11.64	49	36	69	1,100	4,600	860	NA	No LPH or sheen
	07/26/96		6.54	10.07	610	6.2	200	300	2,900	15,000	NA	No LPH or sheen
	10/30/96		6.53	10.08	68	11	<2.5	71	550	3,400	NA	No LPH or sheen
	01/31/97		3.98	12.63	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/08/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/28/98		3.22	13.39	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/14/98		3.20	13.41	NS	NS	NS	NS	NS	NS	NS	No LPH or sheeen
	07/30/98		4.89	11.72	NS	NS	NS	NS	NS	NS	NS	No LPH or sheeen
	10/19/98		5.16	11.45	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/13/99		5.57	11.04	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/28/99		4.27	12.34	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	07/09/99		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/25/99		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/21/00		NM	NC	NS	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	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (µg/L)	Comments
EW-5	09/12/94	16.51	6.30	10.21	26	1.7	11	12	180[a]	NA	NA	No LPH or sheen
	10/01/94		11.83	4.68	16	0.92	5.7	8.5	130[a]	NA	NA	No LPH or sheen
	01/13/95		12.54	3.97	0.6	0.8	0.6	2.9	130[a]	NA	NA	No LPH or sheen
	04/27/95		13.11	3.40	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	08/03/95		11.99	4.52	<0.5	<0.5	<0.5	<0.5	70	210	NA	No LPH or sheen
	10/17/95		13.43	3.08	1.5	<0.5	<0.5	3.0	78	50	NA	No LPH or sheen
	01/24/96		9.72	6.79	280	66	22	370	2,500	350	NA	No LPH or sheen
	04/24/96		8.13	8.38	690	240	380	1,300	6,400	400	NA	No LPH or sheen
	07/26/96		10.00	6.51	82	2.5	2.4	100	850	84	NA	No LPH or sheen
	10/30/96		9.82	6.69	110	5.1	2.2	120	1,200	68	NA	No LPH or sheen
	01/31/97		9.00	7.51	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	07/10/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/08/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/28/98		3.54	12.97	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/14/98		3.65	12.86	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	07/30/98		7.63	8.88	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	10/19/98		5.75	10.76	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	01/13/99		7.03	9.48	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	04/28/99		8.80	7.71	NS	NS	NS	NS	NS	NS	NS	No LPH or sheen
	07/09/99		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	10/25/99		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	01/21/00		NM	NC	NS	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	Reference Elevation (feet)	Depth to Water (feet)	Ground Water Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenate Compounds (µg/L)	Comments
Trip Blank	10/25/99	N/A	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<50	<1.0	NA	
	01/21/00	N/A	N/A	N/A	<1.0	<1.0	<1.0	<1.0	<50	<1.0	NA	

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 surveyed relative mean sea level.

Depth to ground water = Measured from notch/mark on north edge of well casing.

Ground water elevation = adjusted ground water elevations, based on the specific gravity of gasoline as 0.80.

Total purgeable petroleum hydrocarbons by EPA Method 8015 Modified or DHS LUFT Method or total petroleum hydrocarbons (TPH) by EPA Method 8015 Modified.

MTBE = Methyl tertiary butyl ether by EPA Method 8015 Modified except as otherwise noted.

Oxygenate compounds = Ethanol, t-butanol, MTBE, di-isopropyl ether, ethyl-t-butyl ether, and t-amyl methyl by EPA Method 8260.

mg/L = Micrograms per liter.

LPH = Liquid-phase petroleum hydrocarbons.

NS = Not sampled.

NA = Not analyzed.

N/A = Not applicable.

NM = Not measured.

NC = Not calculated.

TABLE 2

GROUND WATER SYSTEM ANALYTICAL DATA

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

Sample ID	Date Collected	Total Discharge (gallons)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)
Influent	10/10/94	1,331,420	<0.5	<0.5	<0.5	<0.5	<50
Effluent	10/10/94		<0.5	<0.5	<0.5	<0.5	<50
Influent	12/02/94	1,392,010	1.9	0.9	<0.5	2.4	65
Effluent	12/02/94		<0.5	<0.5	<0.5	<0.5	<50
Influent	01/13/95	1,415,980	<0.5	<0.5	<0.5	<0.5	1,000
Mid-GAC	01/13/95		<0.5	<0.5	<0.5	<0.5	<50
Effluent	01/13/95		<0.5	<0.5	<0.5	<0.5	<50
Influent	02/23/95	1,494,030	<0.5	<0.5	<0.5	2.7	57
Mid-GAC	02/23/95		<0.5	<0.5	<0.5	<0.5	<50
Effluent	02/23/95		<0.5	<0.5	<0.5	<0.5	<50
Influent	03/14/95	NR	<0.5	<0.5	<0.5	<0.5	<50
Mid-GAC	03/14/95		<0.5	<0.5	<0.5	<0.5	<50
Effluent	03/14/95		<0.5	<0.5	<0.5	<0.5	<50
Influent	04/14/95	1,513,240	<0.5	<0.5	<0.5	<0.5	<50
Mid-GAC	04/14/95		<0.5	<0.5	<0.5	<0.5	<50
Effluent	04/14/95		<0.5	<0.5	<0.5	<0.5	<50
Influent	05/18/95	1,714,850	NS	NS	NS	NS	NS
Influent	06/30/95	1,847,330	480	23	66	180	1,700
Mid-GAC	06/30/95		<0.5	<0.5	<0.5	<0.5	<50
Effluent	06/30/95		<0.5	<0.5	<0.5	<0.5	<50
Influent	07/12/95	1,908,730	68	<2.0	2.4	5.6	290
Mid-GAC	07/12/95		<0.5	<0.5	<0.5	<0.5	<50
Effluent	07/12/95		<0.5	<0.5	<0.5	<0.5	<50
Influent	08/09/95	2,027,830	1,700	260	370	550	6,600
Mid-GAC	08/09/95		<0.5	<0.5	<0.5	<0.5	<50
Effluent	08/09/95		<0.5	<0.5	<0.5	<0.5	<50
Influent	09/06/95	2,158,260	17	0.84	1.0	3.0	120
Mid-GAC	09/06/95		<0.5	<0.5	<0.5	<0.5	<50
Effluent	09/06/95		<0.5	<0.5	<0.5	<0.5	<50
Influent	10/11/95	2,215,310	22	0.97	1.2	4.0	160
Mid-GAC	10/11/95		<0.5	<0.5	<0.5	<0.5	<50
Effluent	10/11/95		<0.5	<0.5	<0.5	<0.5	<50
Influent	11/16/95	2,384,880	4.9	<0.5	<0.5	5.9	120
Mid-GAC	11/16/95		<0.5	<0.5	<0.5	<0.5	<50
Effluent	11/16/95		<0.5	<0.5	<0.5	<0.5	<50

TABLE 2

GROUND WATER SYSTEM ANALYTICAL DATA

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

Sample ID	Date Collected	Total Discharge (gallons)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)
Influent	12/14/95	2,453,200	46	16	4.6	65	450
Mid-GAC	12/14/95		<0.5	<0.5	<0.5	<0.5	<50
Effluent	12/14/95		<0.5	<0.5	<0.5	<0.5	<50
Influent	01/05/96	2,516,900	26	2.4	1.2	20	240
Mid-GAC	01/05/96		<0.5	<0.5	<0.5	<0.5	<50
Effluent	01/05/96		<0.5	<0.5	<0.5	<0.5	<50
Influent	02/14/96	2,680,160	43	5.5	<0.5	55	470
Mid-GAC	02/14/96		<0.5	<0.5	<0.5	<0.5	<50
Effluent	02/14/96		<0.5	<0.5	<0.5	<0.5	<50
Influent	03/12/96	2,767,820	60	9.8	3.9	70	620
Mid-GAC	03/12/96		<0.5	<0.5	<0.5	<0.5	<50
Effluent	03/12/96		<0.5	<0.5	<0.5	<0.5	<50
Influent	04/16/96	2,927,390	120	27	8.8	120	790
Mid-GAC	04/16/96		<0.5	<0.5	<0.5	<0.5	<50
Effluent	04/16/96		<0.5	<0.5	<0.5	<0.5	<50
Influent	05/07/96	2,971,100	66	2.7	5	32	430
Mid-GAC	05/07/96		<0.5	<0.5	<0.5	<0.5	<50
Effluent	05/07/96		<0.5	<0.5	<0.5	<0.5	<50
Influent	06/11/96	3,109,730	470	120	19	410	2,900
Mid-GAC	06/11/96		<0.5	<0.5	<0.5	<0.5	<50
Effluent	06/11/96		<0.5	<0.5	<0.5	<0.5	<50
Influent	07/09/96	3,232,330	55	6.2	<0.5	110	490
Mid-GAC	07/09/96		<0.5	<0.5	<0.5	<0.5	<50
Effluent	07/09/96		<0.5	<0.5	<0.5	<0.5	<50
Influent	08/08/96	3,365,060	49	4.6	<1.0	75	580
Mid-GAC	08/08/96		<0.5	<0.5	<0.5	<0.5	<50
Effluent	08/08/96		<0.5	<0.5	<0.5	<0.5	<50
Influent	09/05/96	NR	67	19	10	72	740
Mid-GAC	09/05/96		<0.5	<0.5	<0.5	<0.5	<50
Effluent	09/05/96		<0.5	<0.5	<0.5	<0.5	<50
Influent	10/02/96	3,530,230	130	39	7.8	130	980
Mid-GAC	10/02/96		<0.5	<0.5	<0.5	<0.5	<50
Effluent	10/02/96		<0.5	<0.5	<0.5	<0.5	<50

TABLE 2

GROUND WATER SYSTEM ANALYTICAL DATA

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

Sample ID	Date Collected	Total Discharge (gallons)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)
Influent	11/08/96	3,657,370	42	7.1	0.69	79	480
Mid-GAC	11/08/96		<0.5	<0.5	<0.5	<0.5	<50
Effluent	11/08/96		<0.5	<0.5	<0.5	<0.5	<50
Influent	12/09/96	3,735,650	<0.5	<0.5	<0.5	<0.5	<50
Mid-GAC	12/09/96		<0.5	<0.5	<0.5	<0.5	<50
Effluent	12/09/96		<0.5	<0.5	<0.5	<0.5	<50
Influent	01/21/97	3,735,730	69	20	20	91	690
Mid-GAC	01/21/97		<0.5	<0.5	<0.5	<0.5	<50
Effluent	01/21/97		<0.5	<0.5	<0.5	<0.5	<50
Influent	02/10/97	3,735,360	100	24	1.4	160	860
Mid-GAC	02/10/97		<0.5	<0.5	<0.5	<0.5	<50
Effluent	02/10/97		<0.5	<0.5	<0.5	<0.5	<50
Influent	03/20/97	3,843,430	<0.5	<0.5	<0.5	5.1	86
Mid-GAC	03/20/97		<0.5	<0.5	<0.5	<0.5	<50
Effluent	03/20/97		<0.5	<0.5	<0.5	<0.5	<50
Influent	04/03/97	3,918,650	31	6.1	<5.0	89	690
Mid-GAC	04/03/97		<10	<10	<10	<10	<1,000
Effluent	04/03/97		<0.5	<0.5	<0.5	<0.5	<50
Influent	05/07/97	4,092,720	57	29	11	110	1,000
Mid-GAC	05/07/97		1.1	<0.5	<0.5	<0.5	<50
Effluent	05/07/97		<0.5	<0.5	<0.5	<0.5	<50
Influent	06/11/97	4,144,600	66	14	4.7	75	570
Mid-GAC	06/11/97		0.57	<0.5	<0.5	<0.5	<50
Effluent	06/11/97		<0.5	<0.5	<0.5	<0.5	<50
Effluent	06/25/97	4,273,310	<0.5	<0.5	<0.5	<0.5	<50
Influent	07/24/97	4,363,090	25	8.8	3.7	49	470
Mid-GAC	07/24/97		<0.5	<0.5	<0.5	<0.5	<50
Effluent	07/24/97		<0.5	<0.5	<0.5	<0.5	<50
Influent	08/04/97	4,408,100	48	18	6.2	69	610
Mid-GAC	08/04/97		0.76	<0.5	<0.5	<0.5	<50
Effluent	08/04/97		<0.5	<0.5	<0.5	<0.5	<50
Influent	10/21/97	4,496,810	16	5.4	2.3	29	250
Mid-GAC	10/21/97		<0.5	<0.5	<0.5	<0.5	<50
Effluent	10/21/97		<0.5	<0.5	<0.5	<0.5	<50

TABLE 2

GROUND WATER SYSTEM ANALYTICAL DATA

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

Sample ID	Date Collected	Total Discharge (gallons)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)
Influent	11/04/97	4,553,090	22	9.8	13	60	510
Mid-GAC	11/04/97		0.82	<0.5	<0.5	0.5	<50
Effluent	11/04/97		<0.5	<0.5	<0.5	<0.5	<50
Influent	12/05/97	4,588,340	1.5	<0.5	<0.5	53	79
Mid-GAC	12/05/97		<0.5	<0.5	<0.5	<0.5	<50
Effluent	12/05/97		<0.5	<0.5	<0.5	<0.5	<50
Influent	01/08/98	4,625,400	2.6	0.74	<0.5	5.4	83
Mid-GAC	01/08/98		<0.5	<0.5	<0.5	<0.5	<50
Effluent	01/08/98		0.58	<0.5	0.81	1.5	<50
Influent	03/03/98	4,662,470	0.54	<0.5	<0.5	0.88	<50
Mid-GAC	03/03/98		<0.5	<0.5	<0.5	0.5	<50
Effluent	03/03/98		<0.5	<0.5	<0.5	<0.5	<50
Influent	04/02/98	4,702,760	170	32	12	160	1,100
Mid-GAC	04/02/98		<0.5	<0.5	<0.5	<0.5	<50
Effluent	04/02/98		<0.5	<0.5	<0.5	<0.5	<50
Influent	05/04/98	4,786,330	140	23	8.5	150	1,000
Mid-GAC	05/04/98		<0.5	<0.5	<0.5	0.5	<50
Effluent	05/04/98		<0.5	<0.5	<0.5	<0.5	<50
Influent	06/10/98	4,852,030	110	16	7.6	74	670
Mid-GAC	06/10/98		<0.5	<0.5	<0.5	<0.5	<50
Effluent	06/10/98		<0.5	<0.5	<0.5	<0.5	<50
Influent	07/07/98	4,951,910	91	13	6.3	55	690
Mid-GAC	07/07/98		<2.0	<2.0	<2.0	<2.0	<200
Effluent	07/07/98		<0.5	<0.5	<0.5	<0.5	<50
Influent	08/04/98	5,039,980	36	6.4	2.5	17	230
Mid-GAC	08/04/98		<0.5	<0.5	<0.5	<0.5	<50
Effluent	08/04/98		<0.5	<0.5	<0.5	<0.5	<50
Influent	09/03/98	5,080,850	13	2.0	6.4	21	280
Mid-GAC	09/03/98		<0.5	<0.5	<0.5	<0.5	<50
Effluent	09/03/98		<0.5	<0.5	<0.5	<0.5	<50
Influent	10/20/98	NM	43	54	25	110	740
Mid-GAC	10/20/98		<0.5	<0.5	<0.5	<0.5	<50
Effluent	10/20/98		<0.5	<0.5	<0.5	<0.5	<50
Influent	11/09/98	5,232,360	37	10	8.4	43	300
Mid-GAC	11/09/98		<0.5	<0.5	<0.5	<0.5	<50
Effluent	11/09/98		<0.5	<0.5	<0.5	<0.5	<50

TABLE 2

GROUND WATER SYSTEM ANALYTICAL DATA

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

Sample ID	Date Collected	Total Discharge (gallons)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)
Influent	12/08/98	5,284,180	82	25	13	100	700
Mid-GAC	12/08/98		<0.5	<0.5	<0.5	<0.5	<50
Effluent	12/08/98		<0.5	<0.5	<0.5	<0.5	<50
Influent	01/13/99	5,377,930	155	46.5	52.7	73.3	1,030
Mid-GAC	01/13/99		<5.0	<5.0	<5.0	<5.0	<500
Effluent	01/13/99		<5.0	<5.0	<5.0	<5.0	<500
Influent	02/08/99	5,441,820	31	9.0	2.4	33	260
Mid-GAC	02/08/99		<0.5	<0.5	<0.5	<0.5	<50
Effluent	02/08/99		<0.5	<0.5	<0.5	<0.5	<50
Influent	03/08/99	5,509,090	87	16	8.5	140	800
Mid-GAC	03/08/99		<0.5	<0.5	<0.5	<0.5	<50
Effluent	03/08/99		<0.5	<0.5	<0.5	<0.5	<50
Influent	04/05/99	5,571,890	36.6	12.2	5.84	20.9	<500
Mid-GAC	04/05/99		<5.0	<5.0	<5.0	<5.0	<500
Effluent	04/05/99		<5.0	<5.0	<5.0	<5.0	<500
Influent	05/06/99	5,621,560	45	6.0	0.86	41	310
Mid-GAC	05/06/99		<0.5	<0.5	<0.5	<0.5	<50
Effluent	05/06/99		<0.5	<0.5	<0.5	<0.5	<50
Influent	06/07/99	5,706,250	24.8	<2.5	<2.5	8.74	<250
Mid-GAC	06/07/99		<1.0	<1.0	<1.0	<1.0	<100
Effluent	06/07/99		<2.5	<2.5	<2.5	<2.5	<250
Influent	07/28/99	5,805,010	7.00	<1.0	2.40	6.40	<100
Mid-GAC	07/28/99		<0.5	<0.5	<0.5	<0.5	<50
Effluent	07/28/99		<0.5	<0.5	<0.5	<0.5	<50
Influent	08/09/99	5,849,280	17.1	5.88	<5.0	26.8	<500
Mid-GAC	08/09/99		<2.5	<2.5	<2.5	<2.5	<250
Effluent	08/09/99		<2.5	<2.5	<2.5	<2.5	<250
Influent	09/07/99	5,880,860	20.4	<5.0	<5.0	31.1	<500
Mid-GAC	09/07/99		<0.5	<0.5	<0.5	<0.5	<50
Effluent	09/07/99		<0.5	<0.5	<0.5	<0.5	<50
Influent	10/12/99	5,966,690	2	<1.0	<1.0	<1.0	100
Mid-GAC	10/12/99		<1.0	<1.0	<1.0	<1.0	<50
Effluent	10/12/99		<1.0	<1.0	<1.0	<1.0	<50

TABLE 2

GROUND WATER SYSTEM ANALYTICAL DATA

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

Sample ID	Date Collected	Total Discharge (gallons)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPPH as gasoline (µg/L)
Influent	11/18/99	5,971,540	66	7.8	5.6	57	660
Mid-GAC	11/18/99		<1.0	<1.0	<1.0	<1.0	<50
Effluent	11/18/99		<1.0	<1.0	<1.0	<1.0	<50
Influent	12/09/99	5,992,780	28	3.2	2.2	22.4	200
GAC-1	12/09/99		<1.0	<1.0	<1.0	<1.0	<50
GAC-2	12/09/99		<1.0	<1.0	<1.0	<1.0	<50
Effluent	12/09/99		<1.0	<1.0	<1.0	<1.0	<50
Influent	01/10/00	6,035,690	11	1.8	1.5	14.5	120
Mid-GAC	01/10/00		<1.0	<1.0	<1.0	<1.0	<50
Effluent	01/10/00		<1.0	<1.0	<1.0	<1.0	<50
Influent	02/08/00	6,055,000	14	<1.0	<1.0	11.9	130
Mid-GAC	02/08/00		<1.0	<1.0	<1.0	<1.0	<50
Effluent	02/08/00		<1.0	<1.0	<1.0	<1.0	<50

TPPH = Total purgeable petroleum hydrocarbons or total petroleum hydrocarbons (TPH) by EPA Method 8015 Modified.
NR = Not recorded.

TABLE 3

SVE SYSTEM SAMPLING RESULTS

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

Sample ID	Date Collected	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPPH as gasoline (ppmv)
Influent	02/19/98	<0.031	<0.027	<0.023	<0.023	<2.4
Mid Air	02/19/98	<0.031	<0.027	<0.023	0.076	<2.4
Effluent	02/19/98	<0.031	<0.027	<0.023	<0.023	<2.4
Influent	03/03/98	<0.031	<0.027	<0.023	<0.023	<2.4
Mid Air	03/03/98	<0.031	<0.027	<0.023	<0.023	<2.4
Effluent	03/03/98	<0.031	<0.027	<0.023	<0.023	<2.4
Influent	04/02/98	<0.031	<0.027	<0.023	0.090	<2.4
Mid Air	04/02/98	<0.031	<0.027	<0.023	<0.023	<2.4
Effluent	04/02/98	<0.031	<0.027	<0.023	<0.023	<2.4
Influent	05/04/98	0.44	0.072	<0.023	<0.023	17
Mid Air	05/04/98	<0.031	<0.027	<0.023	<0.023	<2.4
Effluent	05/04/98	<0.031	<0.027	<0.023	<0.023	<2.4
Influent	06/10/98	0.047	0.17	0.035	0.17	12
Mid Air	06/10/98	<0.031	<0.027	<0.023	<0.023	4.2
Effluent	06/10/98	<0.031	<0.027	<0.023	<0.023	<2.4
Influent	07/07/98	2.6	3.2	0.53	2.5	76
Mid Air	07/07/98	NS	NS	NS	NS	NS
Effluent	07/07/98	<0.031	<0.027	<0.023	<0.023	<2.4
Influent	08/04/98	0.94	0.56	0.065	0.42	34
Mid Air	08/04/98	0.27	<0.027	<0.023	<0.023	8.8
Effluent	08/04/98	<0.031	<0.027	<0.023	0.035	10
Influent	10/20/98	6.0	1.9	0.81	1.0	210
Mid Air	10/20/98	<0.031	<0.027	<0.023	<0.023	<2.4
Effluent	10/20/98	<0.031	<0.027	<0.023	<0.023	<2.4
Influent	11/09/98	0.056	0.27	0.081	0.65	13
Mid Air	11/09/98	<0.031	<0.027	<0.023	<0.023	<2.4
Effluent	11/09/98	<0.031	<0.027	<0.023	<0.023	<2.4
Influent	12/08/98	0.034	0.029	<0.023	0.028	3.1
Mid Air	12/08/98	<0.031	<0.027	<0.023	<0.023	<2.4
Effluent	12/08/98	<0.031	<0.027	<0.023	<0.023	<2.4
Influent	01/13/99	<0.031	0.20	<0.023	0.088	12
Mid Air	01/13/99	<0.031	<0.027	<0.023	<0.023	5.6
Effluent	01/13/99	<0.031	<0.027	<0.023	0.074	<2.4
Influent	02/08/99[a]	<0.16	<0.13	<0.11	<0.11	<12.1
Mid Air	02/08/99[a]	<0.16	<0.13	<0.11	<0.11	<12.1
Effluent	02/08/99[a]	<0.16	<0.13	<0.11	<0.11	<12.1

TABLE 3

SVE SYSTEM SAMPLING RESULTS

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

Sample ID	Date Collected	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPPH as gasoline (ppmv)
Influent	03/08/99[a]	<0.031	0.10	<0.023	0.05	2.7
Mid Air	03/08/99[a]	<0.031	<0.027	<0.023	<0.023	<2.4
Effluent	03/08/99[a]	<0.031	<0.027	<0.023	<0.023	<2.4
Influent	04/05/99	0.474	2.64	0.227	1.09	42.6
Mid Air	04/05/99	<0.0314	<0.0266	<0.0231	<0.0231	4.6
Effluent	04/05/99	<0.0314	<0.0266	<0.0231	<0.0231	<2.84
Influent	05/06/99	0.0872	0.241	<0.023	0.0526	11.84
Mid Air	05/06/99	<0.0314	<0.0266	<0.0231	<0.0231	4.20
Effluent	05/06/99	<0.0314	<0.0266	<0.0231	<0.0231	4.71
Influent	5/26/99[b]	NS	NS	NS	NS	NS
Mid Air	5/26/99[b]	<0.031	<0.027	<0.023	<0.023	18.03
Effluent	5/26/99[b]	<0.031	<0.027	<0.023	<0.023	11.98
Influent	08/09/99	1.60	5.05	0.643	1.78	240
Mid Air	08/09/99	<0.0314	<0.0266	<0.0230	<0.0230	<2.84
Effluent	08/09/99	<0.0314	<0.0266	<0.0230	<0.0230	<2.84
Influent	09/07/99	0.0403	0.115	0.0353	0.0798	10.6
Mid Air	09/07/99	<0.0314	<0.0266	<0.0230	<0.0230	6.23
Effluent	09/07/99	<0.0314	<0.0266	<0.0230	<0.0230	3.74
Influent	10/12/99	0.31	0.60	0.80	1.5	15
Mid Air	10/12/99	<0.31	<0.26	<0.23	<0.23	<2.8
Effluent	10/12/99	<0.31	<0.26	<0.23	<0.23	<2.8
Influent	12/09/99	1.0	5.6	0.62	2.1	82
Mid Air	12/09/99	<0.31	<0.26	<0.23	<0.23	<2.8
Effluent	12/09/99	<0.31	<0.26	<0.23	<0.23	<2.8
Influent	02/08/00	0.59	1.8	0.3	1.6	31
Mid Air	02/08/00	<0.31	0.29	<0.23	0.52	<2.8
Effluent	02/08/00	<0.31	<0.26	<0.23	0.27	<2.8

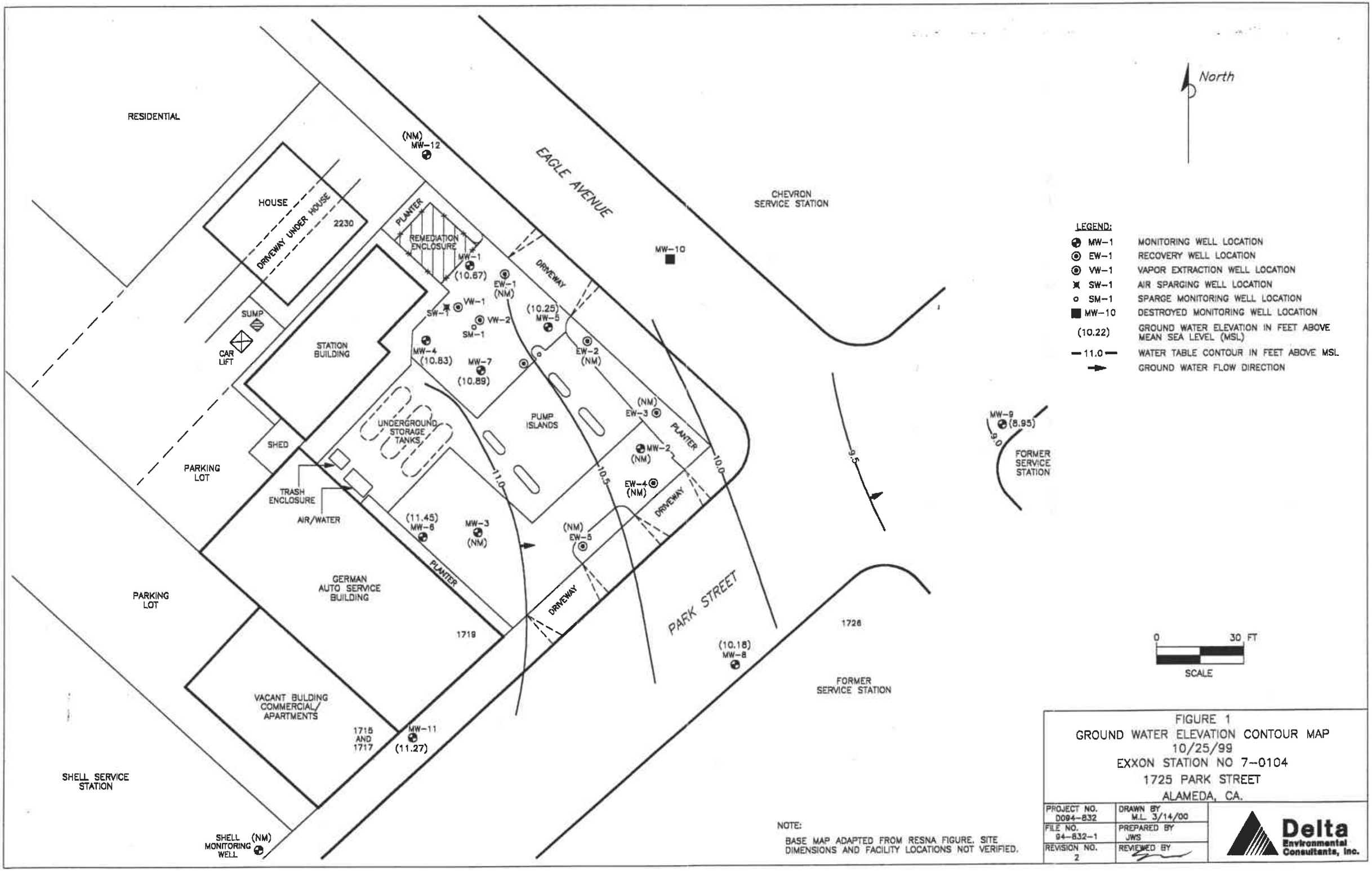
a = Concentrations listed in the table were converted from mg/L to ppmv.

b = SVE system shutdown due to break through above 10 ppmv, BAAQMD notified by report dated July13,1999.

TPPH = Total purgeable petroleum hydrocarbons by EPA Method 8015 Modified.

mg/L = micrograms per liter.

ppmv = parts per million by volume.



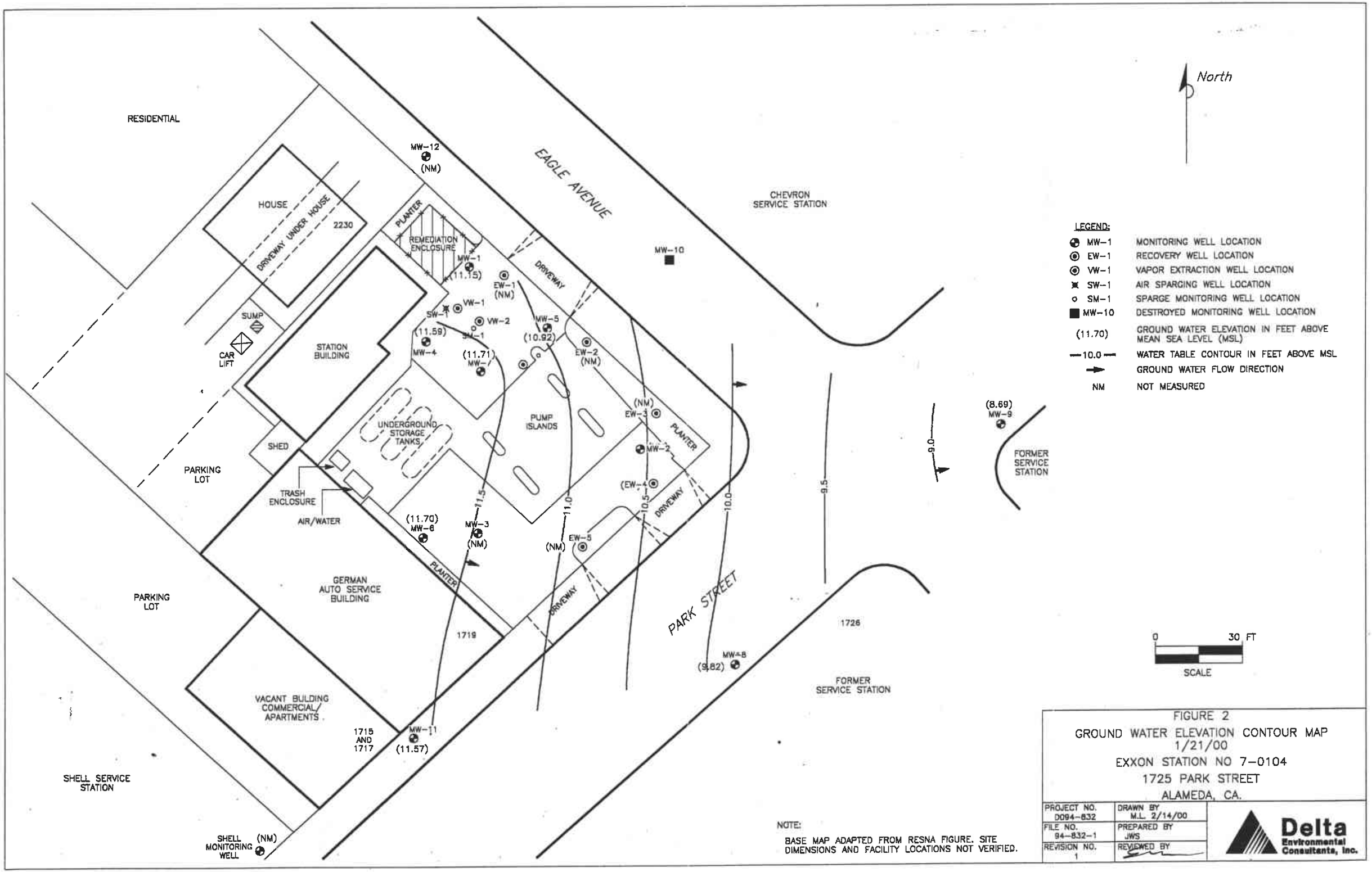
NOTE:

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

FIGURE 1
GROUND WATER ELEVATION CONTOUR MAP
10/25/99
EXXON STATION NO 7-0104
1725 PARK STREET
ALAMEDA, CA.

PROJECT NO. 0094-832	DRAWN BY M.L. 3/14/00
FILE NO. 94-832-1	PREPARED BY JWS
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc.



NOTE:

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

FIGURE 2

GROUND WATER ELEVATION CONTOUR MAP
1/21/00

EXXON STATION NO 7-0104

1725 PARK STREET

ALAMEDA, CA.

PROJECT NO. 0094-832	DRAWN BY M.L. 2/14/00
FILE NO. 94-832-1	PREPARED BY JWS
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.

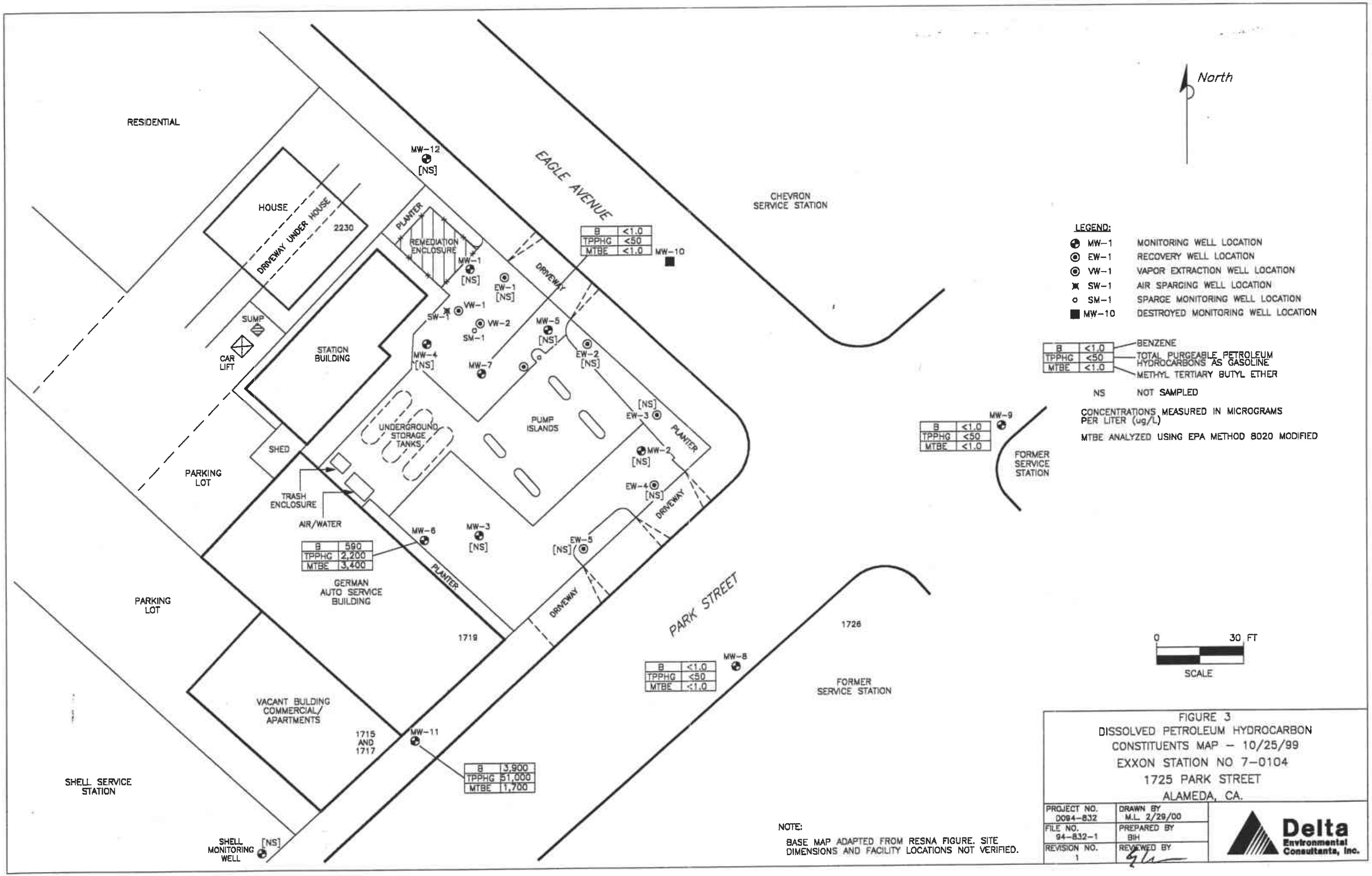
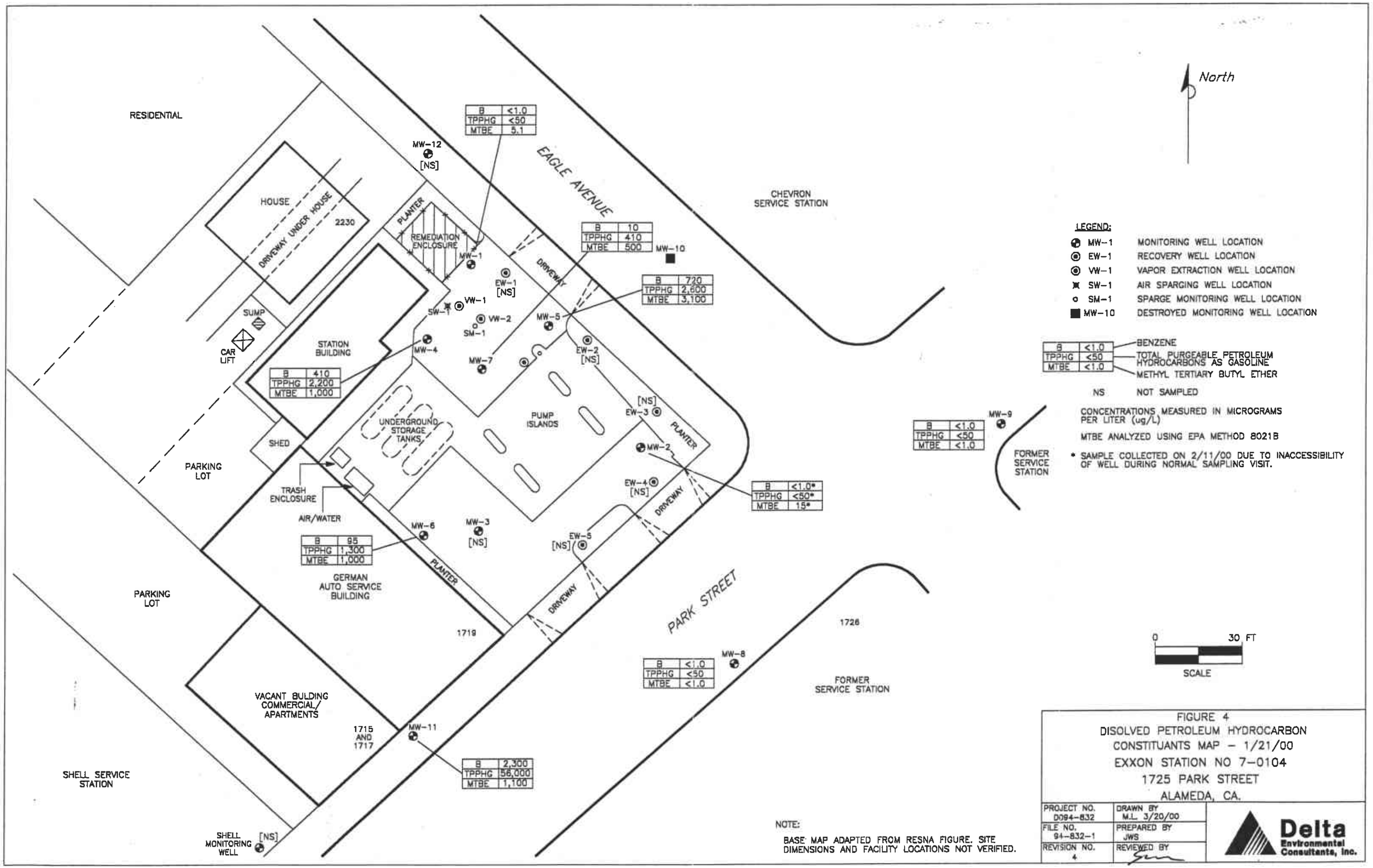


FIGURE 3
DISSOLVED PETROLEUM HYDROCARBON CONSTITUENTS MAP – 10/25/99
EXXON STATION NO 7-0104
1725 PARK STREET
ALAMEDA, CA.

PROJECT NO. 0094-832	DRAWN BY M.L. 2/29/00
FILE NO. 94-832-1	PREPARED BY BIH
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
DISOLVED PETROLEUM HYDROCARBON CONSTITUANTS MAP – 1/21/00
EXXON STATION NO 7-0104
1725 PARK STREET
ALAMEDA, CA.

PROJECT NO. D094-832	DRAWN BY M.L. 3/20/00
FILE NO. 94-832-1	PREPARED BY JWS
REVISION NO. 4	REVIEWED BY

Delta Environmental Consultants, Inc.

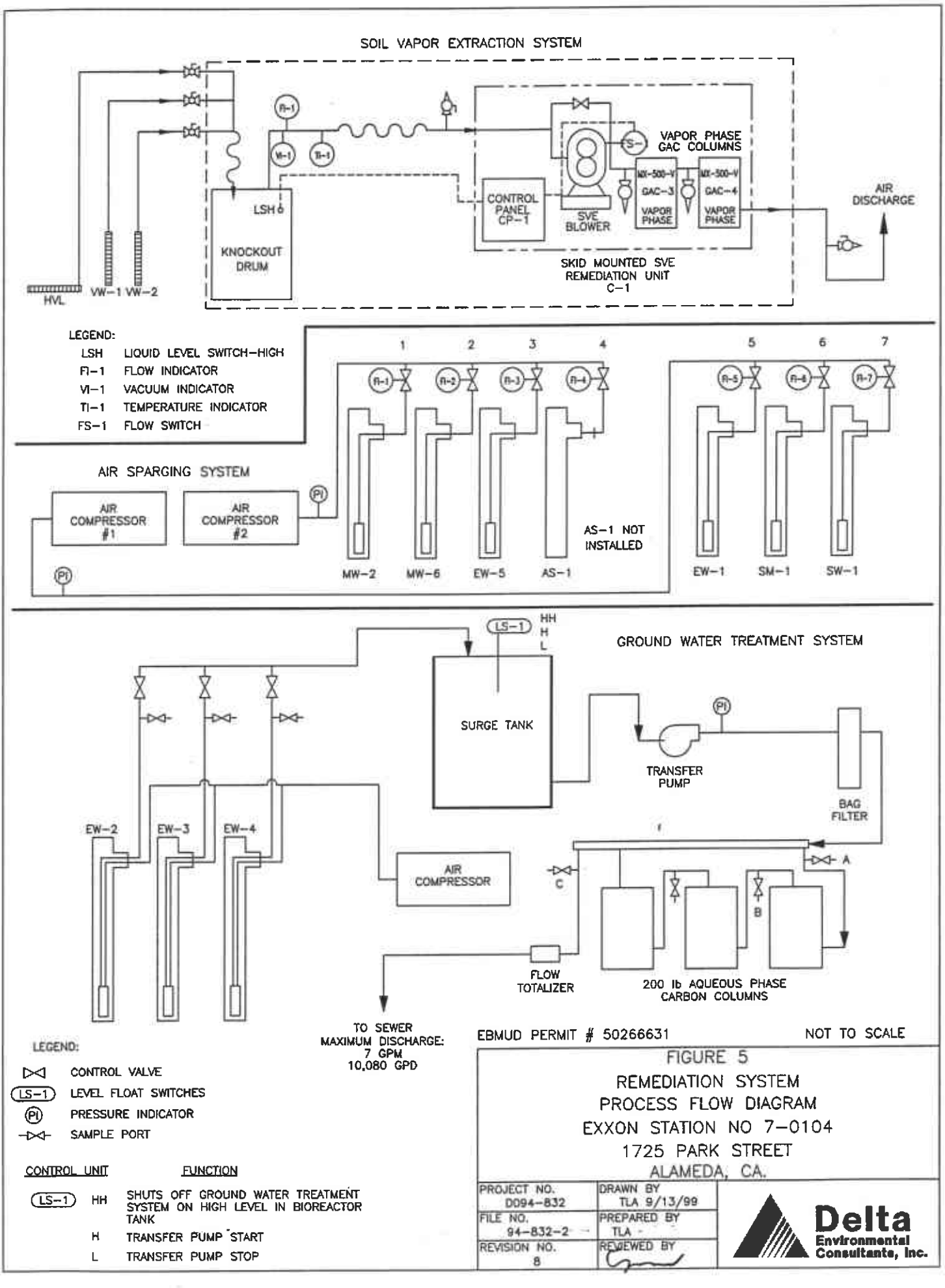
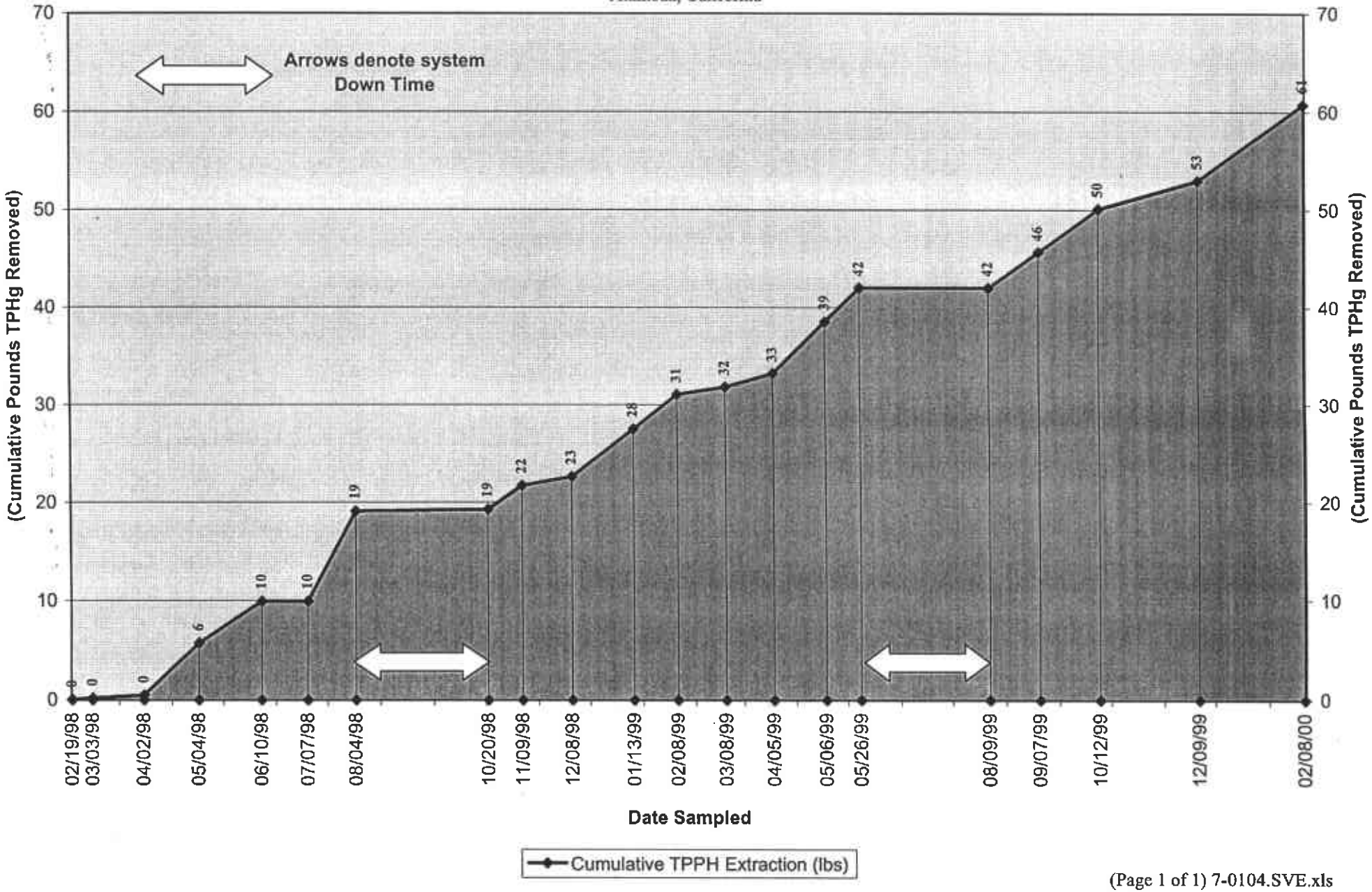

SOIL VAPOR EXTRACTION SYSTEM
VAPOR PHASE GAC COLUMNS
AIR DISCHARGE
LSH 6
KNOCKOUT DRUM
CONTROL PANEL CP-1
SVE BLOWER
MX-500-V GAC-3 VAPOR PHASE
MX-500-V GAC-4 VAPOR PHASE
SKID MOUNTED SVE REMEDIATION UNIT C-1
HVL
VW-1 VW-2
LEGEND:
LSH LIQUID LEVEL SWITCH-HIGH
FI-1 FLOW INDICATOR
VI-1 VACUUM INDICATOR
TI-1 TEMPERATURE INDICATOR
FS-1 FLOW SWITCH
AIR SPARGING SYSTEM
AIR COMPRESSOR #1
AIR COMPRESSOR #2
MW-2 MW-6 EW-5 AS-1
AS-1 NOT INSTALLED
EW-1 SM-1 SW-1
GROUND WATER TREATMENT SYSTEM
SURGE TANK
TRANSFER PUMP
BAG FILTER
EW-2 EW-3 EW-4
AIR COMPRESSOR
FLOW TOTALIZER
200 lb AQUEOUS PHASE CARBON COLUMNS
TO SEWER
MAXIMUM DISCHARGE:
7 GPM
10,080 GPD
LEGEND:
CONTROL VALVE
LEVEL FLOAT SWITCHES
PRESSURE INDICATOR
SAMPLE PORT
CONTROL UNIT
FUNCTION
HH SHUTS OFF GROUND WATER TREATMENT SYSTEM ON HIGH LEVEL IN BIOREACTOR TANK
H TRANSFER PUMP START
L TRANSFER PUMP STOP
EBMUD PERMIT # 50266631
NOT TO SCALE
FIGURE 5
REMEDIATION SYSTEM
PROCESS FLOW DIAGRAM
EXXON STATION NO 7-0104
1725 PARK STREET
ALAMEDA, CA.
PROJECT NO. D094-832
DRAWN BY TLA 9/13/99
FILE NO. 94-832-2
PREPARED BY TLA
REVISION NO. 8
REVIEWED BY
Delta Environmental Consultants, Inc.

FIGURE 6

CUMULATIVE REMOVAL OF HYDROCARBONS FROM SOIL

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



BLAINE TECH SERVICES, INC.
METHODS AND PROCEDURES
FOR THE ROUTINE MONITORING OF
GROUNDWATER WELLS AT EXXON STATIONS

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. We specialize in groundwater monitoring assignments and intentionally limit the scope of our services to those centered on the generation of objective information.

To avoid conflicts of interest, Blaine Tech Services, Inc. personnel do not evaluate or interpret the information we collect. As a state licensed contractor (C-57 well drilling –water – 746684) performing strictly technical services, we do not make any professional recommendations and perform no consulting of any kind.

SAMPLING PROCEDURES OVERVIEW

SAFETY

All ground water monitoring assignments performed for Exxon comply with Exxon's safety guidelines, 29 CFR 1910.120 and SB-198 Injury and Illness Prevention Program (IIPP). All Field Technicians receive the full 40-hour 29 CFR 1910.120 OSHA SARA HAZWOPER course, medical clearance and on-the-job training prior to commencing any work on any Exxon site.

INSPECTION AND GAUGING

Wells are inspected prior to evacuation and sampling. The condition of the wellhead is checked and noted according to a wellhead inspection checklist.

Standard measurements include the depth to water (DTW) and the total well depth (TD) obtained with industry standard electronic sounders, which are graduated in increments of hundredths of a foot.
The water in each well is inspected for the presence of Immiscibles or sheen and when liquid-phase petroleum hydrocarbons (LPH) are suspected, it is confirmed using an electronic interface probe (e.g. MMC). If sheen or LPH is found in a well, the Project Coordinator notifies the appropriate party (e.g. Exxon employee or consultant).

No samples are collected from a well containing sheen or LPH.

EVACUATION

Depth to water measurements are collected by our personnel prior to purging and minimum purge volumes are calculated anew for each well based on the height of the water column and the diameter of the well. Expected purge volumes are never less than three case volumes and are set at no less than four case volumes in some jurisdictions.

Well purging devices are selected on the basis of the well diameter and the total volume to be evacuated. In most cases the well will be purged using an electric submersible pump (i.e. Grundfos) suspended near (but not touching) the bottom of the well. Small volumes of purgewater are often removed by hand bailing with a disposable bailer.

PARAMETER STABILIZATION

Well purging completion standards include minimum purge volumes, but additionally require stabilization of specific groundwater parameters prior to sample collection. Typical groundwater parameters used to measure stability are electrical conductivity, pH, and temperature. Instrument readings are obtained at regular intervals during the evacuation process (no less than once per case volume).

Stabilization standards for routine quarterly monitoring of fuel sites include the following: Temperature is considered to have stabilized when successive readings do not fluctuate more than +/- 1 degree Celsius. Electrical conductivity is considered stable when successive readings are within 10%. pH is considered to be stable when successive readings remain constant or vary no more than 0.2 of a pH unit.

DEWATERED WELLS

Normal evacuation removes no less than three case volumes of water from the well. However, less water may be removed in cases where the well dewaters and does not recharge.

Wells known to dewater are evacuated as early as possible during each site visit in order to allow for the greatest amount of recovering. Any well that does not recharge to 80% of its original volume will be sampled prior to the departure of our personnel from the site in order to eliminate the need of a return visit.

In jurisdictions where a certain percentage of recovery is included in the local completion standard, our personnel follow the regulatory expectation.

PURGEWATER CONTAINMENT

All non-hazardous purgewater evacuated from each groundwater monitoring well is captured and contained in on-board storage tanks on the Sampling Vehicle and/or special water hauling trailers. Effluent from the decontamination of reusable apparatus (sounders, electric pumps and hoses etc.), consisting of groundwater combined with deionized water and non-phosphate soap, is also captured and pumped into effluent tanks.

Non-hazardous purgewater is transported under standard Bill of Lading documentation to a Blaine Tech Services, Inc. facility before being transported to an Exxon approved disposal facility (e.g. Romic Environmental Technologies Corporation in East Palo Alto, California).

SAMPLE COLLECTION DEVICES

All samples are collected using a disposable bailer.

SAMPLE CONTAINERS

Sample material is decanted directly from the sampling bailer into sample containers provided by the laboratory, which will analyze the samples. The transfer of sample material from the bailer to the sample container conforms to specifications contained in the USEPA T.E.G.D. The type of sample container, material of construction, method of closure and filling requirements are specific to the intended analysis. Chemicals needed to preserve the sample material are commonly placed inside the sample containers by the laboratory or glassware vendor prior to delivery of the bottle to our personnel. The laboratory sets the number of replicate containers.

TRIP BLANKS

A Trip Blank is carried to each site and is kept inside the cooler for the duration of the sampling event. It is turned over to the laboratory for analysis with the samples from that site.

SAMPLE STORAGE

All sample containers are promptly placed in food grade ice chests for storage in the field and transport (direct or via our facility) to the analytical laboratory that will perform the intended analytical procedures. These ice chests contain quantities of restaurant grade ice as a refrigerant material. The samples are maintained in either an ice chest or a refrigerator until relinquished into the custody of the laboratory or laboratory courier.

DOCUMENTATION CONVENTIONS

Each and every sample container has a label affixed to it. In most cases these labels are generated by our office personnel and are partially preprinted. Labels can also be hand written by our field personnel. The site is identified with the station number and site address, as is the particular groundwater well from which the sample is drawn (e.g. MW-1, MW-2, S-1 etc.). The time at which the sample was collected and the initials of the person collecting the sample are handwritten onto the label.

Chain-of-custody records are created using client specific preprinted forms following USEPA specifications.

Bill of Lading records are contemporaneous records created in the field at the site where the non-hazardous purgewater is generated. Field Technicians use preprinted Bill of Lading forms.

DECONTAMINATION

All equipment is brought to the site in clean and serviceable condition and is cleaned after use in each well and before subsequent use in any other well. Equipment is decontaminated before leaving the site.

The primary decontamination device is a commercial steam cleaner. The steam cleaner is de-tuned to function as a hot pressure washer, which is then operated with high quality deionized water, which is produced at our facility and stored onboard our sampling vehicle. Cleaning is facilitated by the use of proprietary fixtures and devices included in the patented workstation (U.S. Patent 5,535,775) that is incorporated in each sampling vehicle. The steam cleaner is used to decon reels, pumps and bailers.

Any sensitive equipment or parts (i.e. Dissolved Oxygen sensor membrane, sounder etc.) that cannot be washed using the hot high pressure water, will be sprayed with a non-phosphate soap and deionized water solution and rinsed with deionized water.

EXAMPLE: The sounder is cleaned between wells using the non-phosphate soap and deionized water solution followed by deionized water rinses. The sounder is then washed with the steam cleaner between sites or as necessitated by use in a particularly contaminated well.

DISSOLVED OXYGEN READINGS

All Dissolved Oxygen readings are taken using YSI meters (e.g. YSI Model 58 or equivalent YSI meter). These meters are equipped with a YSI stirring device that enables them to collect accurate in-situ

readings. The probe/stirring devices are modified to allow downhole measurements to be taken from wells as small as two-inch diameter.

The probe and reel is decontaminated between wells as described above. The meter is calibrated between wells as per the instructions in the operating manual. The probe and stirrer is lowered into the water column allowed to stabilize before use.

OXIDATION REDUCTION POTENTIAL READINGS

All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual. In use the probe is placed in a cup of freshly obtained monitoring well water and allowed to stabilize.

ENCLOSURE B
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

ENCLOSURE C

Ground Water Sampling Information Sheets

BLAINE
TECH SERVICES Inc.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

DATE 3/13/00

Total pages including cover sheet 3

TO STEVE MEEKS

OF DELTA

FROM FRAN THIE

REMARKS: DATA SHEETS FROM 000211-T1 FOR MW-2 AS REQUESTED.

WELL GAUGING DATA

Project # 000211-T1 Date 2-11-00 Client 7-0104

Site 1725 Park Ave, Alameda, CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW2	4					10.26	14.95		

EXXON WELL MONITORING DATA SHEET

Project #: 000211-T1	Store # 7-0104
Sampler: MT	Date: 2/11
Well I.D.: MW2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 14.95	Depth to Water: 6.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible ✓ / Extraction Pump / Other: ____

Sampling Method: Bailer ✓ / Disposable Bailer / Extraction Port / Other: ____

5.6 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 16.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
924	67.0	7.0	700	6	
925	67.6	6.8	696	12	
926	68.0	6.8	691	17	

Did well dewater? Yes (No) Gallons actually evacuated: 17

Sampling Time: 935 Sampling Date: 2/11

Sample I.D.: MW2 Laboratory: SPL Other ____

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL GAUGING DATA

Project # 000121R-2 Date 1-21-00 Client Exxon

Site 1725 Park St. Alameda

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	4					6.20	20.57		
MW-2	4	(Inaccessible)				well cap hooked up to Extraction system + will not come off			
MW-4	4	odor				5.75	17.95		
MW-5	4					5.79	18.30		
MW-6	4	odor				5.86	18.95		
MW-7	4					5.91	16.74		
MW-8	2					6.51	18.98		
MW-9	2					6.93	18.65		
MW-11	2	odor				6.47	15.04		

EXXON WELL MONITORING DATA SHEET

Project #: 000121 R-2	Store # 7-0104
Sampler: JR	Date: 1-21-00
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 20.57	Depth to Water: 6.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg / (Electric Submersible) / Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

1 Case Volume (Gals.)	X	Specified Volumes	=	Calculated Volume
9.3	X	3	=	27.9 Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
13:22	67.9	7.0	766	10	
13:24	68.7	6.8	794	20	
13:26	69.0	6.8	801	28	

Did well dewater? Yes (No) Gallons actually evacuated: 28

Sampling Time: 13:31 Sampling Date: 1-21-00

Sample I.D.: MW-1 Laboratory: Sequoia (Other SPL)

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EXXON WELL MONITORING DATA SHEET

Project #: 000121.2	Store # 7-0104
Sampler: JR	Date: 1-21-00
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Extraction Pump, Other: _____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Other: _____

_____ (1 Case Volume (Gals.)) X _____ (Specified Volumes) = _____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
14:45	Well Inaccessible Due to Extraction				
	system well cap is glued on &				
	system is active.				

Did well dewater? Yes No	Gallons actually evacuated:		
Sampling Time:	Sampling Date:		
Sample I.D.:	Laboratory: Sequoia	Other_____	
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:		
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

EXXON WELL MONITORING DATA SHEET

Project #: 000121.2	Store # 7-0104
Sampler: JR	Date: 1-21-00
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 17.95	Depth to Water: 5.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg / (Electric Submersible) / Extraction Pump / Other: ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ___

7.9	X	3	=	23.7 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
13:44	69.1	7.0	629	8	[redacted] odor
13:46	69.8	6.9	601	16	, cloudy
13:48	70.0	6.8	608	24	

Did well dewater? Yes (No) Gallons actually evacuated: 24

Sampling Time: 13:53 Sampling Date: 1-21-00

Sample I.D.: MW-4 Laboratory: Sequoia (Other SPL)

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EXXON WELL MONITORING DATA SHEET

Project #: 000121.2	Store # 7-0104
Sampler: JR	Date: 1-21-00
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 18.30	Depth to Water: 5.79
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg / (Electric Submersible) / Extraction Pump / Other: ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ___

8.1 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 24.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
14:27	70.1	6.9	689	9	cloudy
14:29	69.9	6.9	646	18	odor
14:31	69.3	6.8	627	25	

Did well dewater? Yes (No) Gallons actually evacuated: 25

Sampling Time: 14:36 Sampling Date: 1-21-00

Sample I.D.: MW-5 Laboratory: Sequoia (Other SPL)

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EXXON WELL MONITORING DATA SHEET

Project #: 000121.2	Store # 7-0104
Sampler: SR	Date: 1-21-00
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 18.95	Depth to Water: 5.86
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg / (Electric Submersible) Extraction Pump / Other: ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ___

7.5 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 22.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
14:06	67.9	6.8	658	7.5	odor
14:08	68.5	6.7	672	15	"
14:10	68.7	6.8	639	23	"

Did well dewater? Yes (No) Gallons actually evacuated: 23

Sampling Time: 14:15 Sampling Date: 1-21-00

Sample I.D.: MW-6 Laboratory: Sequoia (Other SPL)

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EXXON WELL MONITORING DATA SHEET

Project #: 000121.2	Store # 7-0104
Sampler: JR	Date: 1-21-00
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 16.74	Depth to Water: 5.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg / (Electric Submersible) Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

7.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 21.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
13:02	68.6	6.9	368	8	mild odor
13:04	68.9	7.0	351	16	, cloudy
13:06	69.2	7.0	332	22	/

Did well dewater? Yes (No) Gallons actually evacuated: 22

Sampling Time: 13:10 Sampling Date: 1-21-00

Sample I.D.: MW-7 Laboratory: Sequoia (Other SPL)

Analyzed for: (TPH-G BTEX MTBE TBH-D) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EXXON WELL MONITORING DATA SHEET

Project #: 000121.2	Store # 7-0104
Sampler: JR	Date: 1-21-00
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 18.98	Depth to Water: 6.51
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer (Disposable Bailer) Middleburg Electric Submersible Extraction Pump Other: ____

Sampling Method: Bailer (Disposable Bailer) Extraction Port Other: ____

1.9 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 5.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
12:01	69.3	7.0	476	2.0	
12:05	69.9	6.9	459	4.0	
12:09	70.1	6.9	444	6.0	

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Time: 12:14 Sampling Date: 1-21-00

Sample I.D.: MW-8 Laboratory: Sequoia (Other SPL)

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EXXON WELL MONITORING DATA SHEET

Project #: 000121.2	Store # 7-0104
Sampler: JR	Date: 1-21-00
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 18.65	Depth to Water: 6.93
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer; (Disposable Bailer); Middleburg; Electric Submersible; Extraction Pump; Other: ___

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Other: ___

1.8 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 5.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
12:30	70.1	6.9	410	2.0	turbid
12:34	70.3	6.8	427	4.0	"
12:37	70.2	6.8	431	5.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 5.5

Sampling Time: 12:42 Sampling Date: 1-21-00

Sample I.D.: MW-9 Laboratory: Sequoia (Other SPL)

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EXXON WELL MONITORING DATA SHEET

Project #: 000121.2	Store # 7-0104
Sampler: JR	Date: 1-21-00
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 15.04	Depth to Water: 6.47
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer; (Disposable Bailer); Middleburg; Electric Submersible; Extraction Pump; Other: ___

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Other: ___

1.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
15:02	69.8	6.8	729	1.5	Strong odor
15:04	70.1	6.8	743	2.5	Grey turbid
15:07	70.2	6.8	765	4.0	/

Did well dewater? Yes (No) Gallons actually evacuated: 4.0

Sampling Time: 15:12 Sampling Date: 1-21-00

Sample I.D.: MW-11 Laboratory: Sequoia (Other SPL)

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

BLAINE
TECH SERVICES Inc.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
(408) 573-7771 FAX
(408) 573-0555 PHONE

WELLHEAD INSPECTION CHECKLIST

Client EXXON 7-0104

Site Add 1725 PARK ST. ALAMEDA

Technician JR

Date 1-21-00

1. Lid on box?	6. Casing secure?	12. Water standing in wellbox?	15. Well cap functional?
2. Lid broken?	7. Casing cut level?	12a. Standing above the top of casing?	16. Can cap be pulled loose?
3. Lid bolts missing?	8. Debris in wellbox?	12b. Standing below the top of casing?	17. Can cap seal out water?
4. Lid bolts stripped?	9. Wellbox is too far above grade?	12c. Water even with the top of casing?	18. Padlock present?
5. Lid seal intact?	10. Wellbox is too far below grade?	13. Well cap present?	19. Padlock functional?
	11. Wellbox is crushed/damaged?	14. Well cap found secure?	

☑ Check box if no deficiencies were found. Note below deficiencies you were able to correct.

Well I.D.	Deficiency	Corrective Action Taken

RECEIVED
JAN 28 2000

Note below all deficiencies that could not be corrected and still need to be corrected.

Well I.D.	Persisting Deficiency	BTS Office assigns or defers Correction to:	Date assigned	Date corrected

EXXON COMPANY, USA.

CHAIN OF CUSTODY RECORD NO. _____ Page 1 of 1

Exxon Engineer: Marla Guensler Phone: (925) 246-8776
Consultant Co. Name: DELTA Contact: James Brownell
Address: 3164 Gold Camp Drive Phone: (916) 638-2765
Suite 200 Fax: (916) 638-8385
Ranco Cordova, CA 95670
RAS #: 7-0104 Facility/State ID # (TN Only): _____
SAFE # (Terminal Only): _____ Consultant Project #: _____
Location: 1725 Park St. (City): Alameda (State): CA
☐ EE ☐ C & M ☐ SDT
Consultant Work Release #: 19908579 BTS #: 000121K-2
Sampled By: Blaine Tech Services, Inc.

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX: H_2O	MATRIX: SOIL	MATRIX: AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	BTEX 8020 ☐ WITH MTBE 602 ☐	PURGEABLE HALOCARBON 8010 ☐ 601 ☐	TPH/IR 418.1 ☐	O & G IR 413.1 ☐ GRAV. 413.2 ☐	TPH / GC 8015 GRO ☐ 8015 DRO ☐	VOL 8240 ☐ 624 ☐	SEMI-VOL 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8270 ☐	PCB / PEST 8080 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMI-VOA ☐ PEST ☐ HERB ☐	METALS, TOTAL ☐ METALS, TCLP ☐	LEAD, TOTAL 239.1 ☐ 7421 ☐ LEAD, TCLP ☐	TOX/TOH ☐	REACTIVITY ☐ CORROSIVITY ☐ IGNITABILITY ☐	OTHER: STATE
MW-1	1/21	13:31	X		W				HCl	3		X				X										CA
MW-4		13:53							VOA																	
MW-5		14:36																								
MW-6		14:15																								
MW-7		13:10																								
MW-8		12:04																								
MW-9		12:42																								
MW-11		15:12	✓																							
TB		15:20			✓					2		✓				✓										

TAT
24 HR. ____ * 72 HR. ____ *
48 HR. ____ * 96 HR. ____ *
Standard ✓ * Contact US Prior
Other ____ to Sending Sample

EXXON UST CONTRACT NO. S02317M01

QA/QC Level
Standard ☐ CLP ☐ Other ☐

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

FAX ☐ ☐ FAX C-O-C W / REPORT

REMARKS:

LAB USE ONLY LOT # Storage Location

WORK ORDER #: LAB WORK RELEASE #:

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler:			Received By:
Relinquished By Sampler:			Received By:
Relinquished By Sampler:			Received By Laboratory:

Way Bill #: Cooler Temp:

SHIP SAMPLES BACK TO: SPL INCORPORATED, 8880 Interchange Drive, Houston, TX 77054 Ph: (713) 660-0901 Fax: (713) 660-8975 Ph: 1-800-969-6775

WELL GAUGING DATA

Project # 991025-K2 Date 10/25/99 Client

Site 1725 Park St. Alameda, CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	4					6.68	20.55		
MW-2	4	Inaccessible could not Remove Cap							
MW-4	4					6.57	17.94		
MW-5	4					6.46	18.31		
MW-6	4					6.11	18.94		
MW-7	4					6.23	16.76		
MW-8	2					6.15	18.97		
MW-9	2					6.67	18.65		
MW-11	2					6.77	15.02		

EXXON WELL MONITORING DATA SHEET

Project #: 991025-KZ	Store # 7-0104
Sampler: MA	Date: 10/25/99
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 18.94	Depth to Water: 6.11
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg / (Electric Submersible) Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) Extraction Port / Other: ____

8.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 24.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1353	72.1	6.54	548	8.5	odor
1354	72.1	6.66	564	17	↓
1355	72.1	6.69	581	25	↓

Did well dewater? Yes (No) Gallons actually evacuated: 25

Sampling Time: 1358 Sampling Date: 10/25/99

Sample I.D.: MW-6 Laboratory: ~~Sequoia~~ SPL Other ____

Analyzed for: (TPH-G) ~~BTEX~~ (~~MTBE~~) TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EXXON WELL MONITORING DATA SHEET

Project #: 991025-K2	Store # 7-0104
Sampler: MAT	Date: 10/25/99
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 18.97	Depth to Water: 6.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer; (Disposable Bailer); Middleburg; Electric Submersible; Extraction Pump; Other: _____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Other: _____

2 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1257	72.1	7.18	421	2	Instrument acting strange
1301	73.3	6.70	427	4	
1304	73.4	6.65	435	6	

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Time: 1305 Sampling Date: 10/25/99

Sample I.D.: MW-8 Laboratory: ~~Sequoia~~ SPL Other _____

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EXXON WELL MONITORING DATA SHEET

Project #: 991025-K2	Store # 7- 0104
Sampler: MATT	Date: 10/25/99
Well I.D.: MW-9	Well Diameter: ② 3 4 6 8 ____
Total Well Depth: 18.65	Depth to Water: 6.67
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer (Disposable Bailer) Middleburg Electric Submersible Extraction Pump Other: _____

Sampling Method: Bailer (Disposable Bailer) Extraction Port Other: _____

2	X	3	=	6 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1329	72.7	6.85	374	2	
1332	72.6	6.79	393	4	
1335	72.6	6.78	403	6	

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Time: 1330 Sampling Date: 10/25/99

Sample I.D.: MW-9 Laboratory: ~~Sequoia~~ SPL Other _____

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EXXON WELL MONITORING DATA SHEET

Project #: 991025-KZ	Store # 7-0104
Sampler: MATT	Date: 10/25/99
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 15.02	Depth to Water: 6.77
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer (Disposable Bailer) Middleburg Electric Submersible Extraction Pump Other: ____

Sampling Method: Bailer ~~Disposable Bailer~~ Extraction Port Other: ____

1.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1412	70.0	6.82	709	1.3	Strong odor
1415	70.2	6.77	723	2.6	↓
1419	70.2	6.80	742	4.0	↓

Did well dewater? Yes (No) Gallons actually evacuated: 4.0

Sampling Time: 1420 Sampling Date: 10/25/99

Sample I.D.: MW-11 Laboratory: ~~Sequoia~~ SPL Other ____

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

EXXON Company U.S.A.

Certificate of Analysis Number:
00010603

Report To:	Delta Environmental Consultants, Inc. Jim R. Brownell, R.G. 3164 Gold Camp Drive, Suite 200 Rancho Cordova California 95670- ph: (916) 638-2755 fax: (916) 638-8385	**Project Name:**	000121R-2
		Site:	7-0104,19908579
		Site Address:	1725 Park St. Alameda CA
		PO Number:	
		State:	California
		State Cert. No.:	1903
Fax To:	*Delta Environmental Consultants, Inc.* *Jim R. Brownell, R.G. fax: (916) 638-8385*	**Date Reported:**	

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-1	00010603-01	Water	1/21/00 01:31:00 PM	1/26/00 10:00:00 AM		☐
MW-4	00010603-02	Water	1/21/00 01:53:00 PM	1/26/00 10:00:00 AM		☐
MW-5	00010603-03	Water	1/21/00 02:36:00 PM	1/26/00 10:00:00 AM		☐
MW-6	00010603-04	Water	1/21/00 02:15:00 PM	1/26/00 10:00:00 AM		☐
MW-7	00010603-05	Water	1/21/00 01:10:00 PM	1/26/00 10:00:00 AM		☐
MW-8	00010603-06	Water	1/21/00 12:14:00 PM	1/26/00 10:00:00 AM		☐
MW-9	00010603-07	Water	1/21/00 12:42:00 PM	1/26/00 10:00:00 AM		☐
MW-11	00010603-08	Water	1/21/00 03:12:00 PM	1/26/00 10:00:00 AM		☐
TB 1/06/00	00010603-09	Water	1/21/00	1/26/00 10:00:00 AM		☐

2/1/00
Date

West, Sonia
Senior Project Manager

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

2/1/00 01:34:56 PM

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: MW-1 **Collected:** 1/21/00 01:31:00 **SPL Sample ID:** 00010603-01

Site: 7-0104,19908579

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	ND		50		1		01/26/00 22:07	DL	170814
Surr: 1,4-Difluorobenzene	98.4	%	62-144		1		01/26/00 22:07	DL	170814
Surr: 4-Bromofluorobenzene	87.5	%	44-153		1		01/26/00 22:07	DL	170814
PURGEABLE AROMATICS				MCL	SW8021B		Units: ug/L		
Benzene	ND		1		1		01/26/00 22:07	DL	170974
Ethylbenzene	ND		1		1		01/26/00 22:07	DL	170974
Methyl tert-butyl ether	5.1		1		1		01/26/00 22:07	DL	170974
Toluene	ND		1		1		01/26/00 22:07	DL	170974
m,p-Xylene	ND		1		1		01/26/00 22:07	DL	170974
o-Xylene	ND		1		1		01/26/00 22:07	DL	170974
Xylenes,Total	ND		1		1		01/26/00 22:07	DL	170974
Surr: 1,4-Difluorobenzene	87.0	%	72-137		1		01/26/00 22:07	DL	170974
Surr: 4-Bromofluorobenzene	92.6	%	48-156		1		01/26/00 22:07	DL	170974

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

2/1/00 01:45:36 PM

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: MW-4 Collected: 1/21/00 01:53:00 SPL Sample ID: 00010603-02

Site: 7-0104,19908579

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	2200		50		1		01/26/00 22:35	DL	170815
Surr: 1,4-Difluorobenzene	170	%	62-144		1	*	01/26/00 22:35	DL	170815
Surr: 4-Bromofluorobenzene	240	%	44-153		1	*	01/26/00 22:35	DL	170815
PURGEABLE AROMATICS				MCL	SW8021B		Units: ug/L		
Benzene	410		5		5		01/27/00 21:04	DL	172907
Ethylbenzene	40		1		1		01/26/00 22:35	DL	170975
Methyl tert-butyl ether	1000		5		5		01/27/00 21:04	DL	172907
Toluene	3.7		1		1		01/26/00 22:35	DL	170975
m,p-Xylene	13		1		1		01/26/00 22:35	DL	170975
o-Xylene	1.4		1		1		01/26/00 22:35	DL	170975
Xylenes,Total	14.4		1		1		01/26/00 22:35	DL	170975
Surr: 1,4-Difluorobenzene	110	%	72-137		5		01/27/00 21:04	DL	172907
Surr: 1,4-Difluorobenzene	123	%	72-137		1		01/26/00 22:35	DL	170975
Surr: 4-Bromofluorobenzene	100	%	48-156		5		01/27/00 21:04	DL	172907
Surr: 4-Bromofluorobenzene	159	%	48-156		1	*	01/26/00 22:35	DL	170975

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: MW-5 **Collected:** 1/21/00 02:36:00 **SPL Sample ID:** 00010603-03

Site: 7-0104,19908579

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	2600		50		1		01/26/00 23:02	DL	170816
Surr: 1,4-Difluorobenzene	284	%	62-144		1	*	01/26/00 23:02	DL	170816
Surr: 4-Bromofluorobenzene	143	%	44-153		1		01/26/00 23:02	DL	170816
PURGEABLE AROMATICS				MCL	SW8021B		Units: ug/L		
Benzene	720		10		10		01/27/00 21:31	DL	172908
Ethylbenzene	25		1		1		01/26/00 23:02	DL	170976
Methyl tert-butyl ether	3100		10		10		01/27/00 21:31	DL	172908
Toluene	4.7		1		1		01/26/00 23:02	DL	170976
m,p-Xylene	7.8		1		1		01/26/00 23:02	DL	170976
o-Xylene	3.5		1		1		01/26/00 23:02	DL	170976
Xylenes,Total	11.3		1		1		01/26/00 23:02	DL	170976
Surr: 1,4-Difluorobenzene	101	%	72-137		10		01/27/00 21:31	DL	172908
Surr: 1,4-Difluorobenzene	210	%	72-137		1	*	01/26/00 23:02	DL	170976
Surr: 4-Bromofluorobenzene	92.7	%	48-156		10		01/27/00 21:31	DL	172908
Surr: 4-Bromofluorobenzene	110	%	48-156		1		01/26/00 23:02	DL	170976

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: MW-6 **Collected:** 1/21/00 02:15:00 **SPL Sample ID:** 00010603-04

Site: 7-0104,19908579

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	1300		50	1		01/26/00 23:29	DL	170817
Surr: 1,4-Difluorobenzene	125	%	62-144	1		01/26/00 23:29	DL	170817
Surr: 4-Bromofluorobenzene	176	%	44-153	1	*	01/26/00 23:29	DL	170817
PURGEABLE AROMATICS			MCL	SW8021B		Units: ug/L		
Benzene	95		5	5		01/27/00 21:59	DL	172909
Ethylbenzene	94		5	5		01/27/00 21:59	DL	172909
Methyl tert-butyl ether	1000		5	5		01/27/00 21:59	DL	172909
Toluene	15		5	5		01/27/00 21:59	DL	172909
m,p-Xylene	45		5	5		01/27/00 21:59	DL	172909
o-Xylene	29		5	5		01/27/00 21:59	DL	172909
Xylenes,Total	74		5	5		01/27/00 21:59	DL	172909
Surr: 1,4-Difluorobenzene	96.0	%	72-137	5		01/27/00 21:59	DL	172909
Surr: 4-Bromofluorobenzene	97.7	%	48-156	5		01/27/00 21:59	DL	172909

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: MW-7 Collected: 1/21/00 01:10:00 SPL Sample ID: 00010603-05

Site: 7-0104,19908579

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	410		50	1		01/26/00 23:57	DL	170818
Surr: 1,4-Difluorobenzene	146	%	62-144	1	*	01/26/00 23:57	DL	170818
Surr: 4-Bromofluorobenzene	93.6	%	44-153	1		01/26/00 23:57	DL	170818
PURGEABLE AROMATICS			MCL	SW8021B		Units: ug/L		
Benzene	10		1	1		01/26/00 23:57	DL	170977
Ethylbenzene	ND		1	1		01/26/00 23:57	DL	170977
Methyl tert-butyl ether	500		5	5		01/27/00 22:26	DL	172910
Toluene	2.5		1	1		01/26/00 23:57	DL	170977
m,p-Xylene	2.8		1	1		01/26/00 23:57	DL	170977
o-Xylene	2.5		1	1		01/26/00 23:57	DL	170977
Xylenes,Total	5.3		1	1		01/26/00 23:57	DL	170977
Surr: 1,4-Difluorobenzene	88.5	%	72-137	5		01/27/00 22:26	DL	172910
Surr: 1,4-Difluorobenzene	107	%	72-137	1		01/26/00 23:57	DL	170977
Surr: 4-Bromofluorobenzene	92.0	%	48-156	5		01/27/00 22:26	DL	172910
Surr: 4-Bromofluorobenzene	95.3	%	48-156	1		01/26/00 23:57	DL	170977

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: MW-8 **Collected:** 1/21/00 12:14:00 **SPL Sample ID:** 00010603-06

Site: 7-0104,19908579

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				MCL	CA_GRO	Units: ug/L			
Gasoline Range Organics	ND		50		1		01/27/00 00:24	DL	170819
Surr: 1,4-Difluorobenzene	92.5	%	62-144		1		01/27/00 00:24	DL	170819
Surr: 4-Bromofluorobenzene	84.5	%	44-153		1		01/27/00 00:24	DL	170819
PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/L			
Benzene	ND		1		1		01/27/00 00:24	DL	170978
Ethylbenzene	ND		1		1		01/27/00 00:24	DL	170978
Methyl tert-butyl ether	ND		1		1		01/27/00 00:24	DL	170978
Toluene	ND		1		1		01/27/00 00:24	DL	170978
m,p-Xylene	ND		1		1		01/27/00 00:24	DL	170978
o-Xylene	ND		1		1		01/27/00 00:24	DL	170978
Xylenes, Total	ND		1		1		01/27/00 00:24	DL	170978
Surr: 1,4-Difluorobenzene	85.6	%	72-137		1		01/27/00 00:24	DL	170978
Surr: 4-Bromofluorobenzene	93.9	%	48-156		1		01/27/00 00:24	DL	170978

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

2/1/00 01:45:38 PM

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: MW-9 **Collected:** 1/21/00 12:42:00 **SPL Sample ID:** 00010603-07

Site: 7-0104,19908579

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	ND		50	1		01/27/00 00:52	DL	170820
Surr: 1,4-Difluorobenzene	92.4	%	62-144	1		01/27/00 00:52	DL	170820
Surr: 4-Bromofluorobenzene	54.9	%	44-153	1		01/27/00 00:52	DL	170820
PURGEABLE AROMATICS			MCL	SW8021B		Units: ug/L		
Benzene	ND		1	1		01/27/00 00:52	DL	170979
Ethylbenzene	ND		1	1		01/27/00 00:52	DL	170979
Methyl tert-butyl ether	ND		1	1		01/27/00 00:52	DL	170979
Toluene	ND		1	1		01/27/00 00:52	DL	170979
m,p-Xylene	ND		1	1		01/27/00 00:52	DL	170979
o-Xylene	ND		1	1		01/27/00 00:52	DL	170979
Xylenes,Total	ND		1	1		01/27/00 00:52	DL	170979
Surr: 1,4-Difluorobenzene	83.5	%	72-137	1		01/27/00 00:52	DL	170979
Surr: 4-Bromofluorobenzene	94.4	%	48-156	1		01/27/00 00:52	DL	170979

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and POL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

2/1/00 01:45:38 PM

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: MW-11 **Collected:** 1/21/00 03:12:00 **SPL Sample ID:** 00010603-08

Site: 7-0104,19908579

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	56000		2500	50		01/27/00 01:46	DL	170822
Surr: 1,4-Difluorobenzene	128	%	62-144	50		01/27/00 01:46	DL	170822
Surr: 4-Bromofluorobenzene	98.8	%	44-153	50		01/27/00 01:46	DL	170822
PURGEABLE AROMATICS			MCL	SW8021B		Units: ug/L		
Benzene	2300		50	50		01/27/00 01:46	DL	170981
Ethylbenzene	2100		50	50		01/27/00 01:46	DL	170981
Methyl tert-butyl ether	1100		50	50		01/27/00 01:46	DL	170981
Toluene	4600		50	50		01/27/00 01:46	DL	170981
m,p-Xylene	8600		50	50		01/27/00 01:46	DL	170981
o-Xylene	3000		50	50		01/27/00 01:46	DL	170981
Xylenes,Total	11600		50	50		01/27/00 01:46	DL	170981
Surr: 1,4-Difluorobenzene	102	%	72-137	50		01/27/00 01:46	DL	170981
Surr: 4-Bromofluorobenzene	93.3	%	48-156	50		01/27/00 01:46	DL	170981

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: TB 1/05/00 Collected: 1/21/00 SPL Sample ID: 00010603-09

Site: 7-0104,19908579

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	ND		50		1		01/27/00 01:19	DL	170821
Surr: 1,4-Difluorobenzene	95.1	%	62-144		1		01/27/00 01:19	DL	170821
Surr: 4-Bromofluorobenzene	86.9	%	44-153		1		01/27/00 01:19	DL	170821
PURGEABLE AROMATICS				MCL	SW8021B		Units: ug/L		
Benzene	ND		1		1		01/27/00 01:19	DL	170980
Ethylbenzene	ND		1		1		01/27/00 01:19	DL	170980
Methyl tert-butyl ether	ND		1		1		01/27/00 01:19	DL	170980
Toluene	ND		1		1		01/27/00 01:19	DL	170980
m,p-Xylene	ND		1		1		01/27/00 01:19	DL	170980
o-Xylene	ND		1		1		01/27/00 01:19	DL	170980
Xylenes, Total	ND		1		1		01/27/00 01:19	DL	170980
Surr: 1,4-Difluorobenzene	85.7	%	72-137		1		01/27/00 01:19	DL	170980
Surr: 4-Bromofluorobenzene	93.9	%	48-156		1		01/27/00 01:19	DL	170980

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

2/1/00 01:45:40 PM

EXXON COMPANY, USA. 00010603

CHAIN OF CUSTODY RECORD NO. _____ Page 1 of 1

Exxon Engineer: Marla Guensler Phone: (925) 246-8776
Consultant Co. Name: DELTA Contact: James Brownell
Address: 3164 Gold Camp Drive Phone: (916) 638-2765
Suite 200 Fax: (916) 638-8385
Ranco Cordova, CA 95670
RAS #: 7-0104 Facility/State ID # (TN Only): _____
AFE # (Terminal Only): _____ Consultant Project #: _____
Location: 1725 Park St. (City): Alameda (State): CA
☐ EE ☐ C & M ☐ SDT
Consultant Work Release #: 19908579 BTS #: 000121K-2
Sampled By: Blaine Tech Services, Inc.

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H_2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	BTEX 8020 ☒ WITH MTBE ☒ 602 ☐	PURGEABLE HALOCARBON 8010 ☐ 601 ☐	TPH/IR 418.1 ☐	O & G IR 413.1 ☐ GRAV. 413.2 ☐	TPH / GC 8015 GRO ☒ 8015 DRO ☐	VOL 8240 ☐ 624 ☐	SEMI-VOL 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB / PEST 8080 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMI-VOA ☐ PEST ☐ HERB ☐	METALS, TOTAL ☐ METALS, TCLP ☐	LEAD, TOTAL 239.1 ☐ 7421 ☐ LEAD, TCLP ☐	TOX/TOH ☐	REACTIVITY ☐ CORROSIVITY ☐ IGNITABILITY ☐	OTHER: STATE
MW-1	1/21	13:31	X		W				HCl	3		X				X										CA
MW-4		13:53							VOA																	
MW-5		14:36																								
MW-6		14:13																								
MW-7		13:10																								
MW-8		12:49																								
MW-9		12:42																								
MW-11		15:12	↓							↓																
TB	↓	15:20			↓					2		↓				↓										

TAT
24 HR. ___ * 72 HR. ___ *
48 HR. ___ * 96 HR. ___ *
Standard ✓ * Contact US Prior
Other ___ to Sending Sample

EXXON UST CONTRACT NO. S02317M01

QA/QC Level
Standard ☐ CLP ☐ Other ☐ _____

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

FAX ☐ ☐ FAX C-O-C W / REPORT

REMARKS:

LAB USE ONLY LOT # Storage Location

WORK ORDER #: LAB WORK RELEASE #:

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler:			Received By:
Relinquished By Sampler:			Received By:
Relinquished By Sampler:	1-26-00	1000	Received By Laboratory:
			Way Bill #: Cooler Temp: 5c

SHIP SAMPLES BACK TO: SPL INCORPORATED, 8880 Interchange Drive, Houston, TX 77054 Ph: (713) 660-0901 Fax: (713) 660-8975 Ph: 1-800-969-6775

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

EXXON Company U.S.A.

Certificate of Analysis Number:

99100527

Report To:			
Delta Environmental Consultants, Inc.	Project Name:	EXXON94525	
Jim R. Brownell, R.G.	Site:	7-0104,19908579	
3164 Gold Camp Drive, Suite 200	Site Address:	1725 Park St.	
		Alameda	CA
Rancho Cordova	PO Number:		
California	State:	California	
95670-	State Cert. No.:	1903	
ph: (916) 638-2765 fax: (916) 638-8385	Date Reported:		

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-6	99100527-01	Water	10/25/99 1:58:00 PM	10/28/99 10:00:00 AM	991025-K2	☐
W-8	99100527-02	Water	10/25/99 1:05:00 PM	10/28/99 10:00:00 AM	991025-K2	☐
W-9	99100527-03	Water	10/25/99 1:36:00 PM	10/28/99 10:00:00 AM	991025-K2	☐
MW-11	99100527-04	Water	10/25/99 2:20:00 PM	10/28/99 10:00:00 AM	991025-K2	☐
ip Blank	99100527-05	Water	10/25/99	10/28/99 10:00:00 AM	991025-K2	☐

11/12/99
Date

Wyatt, Neaundra
roject Manager

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID MW-6 **Collected:** 10/25/99 1:58:00 **SPL Sample ID:** 99100527-01

Site: 7-0104,19908579

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			CA_GRO		Units: ug/L		
Gasoline Range Organics	2200	500	10		11/03/99 0:04	CJ	88991
Surr: 1,4-Difluorobenzene	110	62-144	10		11/03/99 0:04	CJ	88991
Surr: 4-Bromofluorobenzene	96	44-153	10		11/03/99 0:04	CJ	88991
PURGEABLE AROMATICS			SW8021B		Units: ug/L		
Benzene	590	10	10		11/03/99 0:04	CJ	88742
Ethylbenzene	22	10	10		11/03/99 0:04	CJ	88742
Methyl tert-butyl ether	3400	10	10		11/03/99 0:04	CJ	88742
Toluene	ND	10	10		11/03/99 0:04	CJ	88742
m,p-Xylene	ND	10	10		11/03/99 0:04	CJ	88742
o-Xylene	ND	10	10		11/03/99 0:04	CJ	88742
Xylenes,Total	12.1	10	10		11/03/99 0:04	CJ	88742
Surr: 1,4-Difluorobenzene	85	72-137	10		11/03/99 0:04	CJ	88742
Surr: 4-Bromofluorobenzene	110	48-156	10		11/03/99 0:04	CJ	88742

Neaundra Wyatt

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID MW-8 **Collected:** 10/25/99 1:05:00 **SPL Sample ID:** 99100527-02

Site: 7-0104,19908579

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			CA_GRO		Units: ug/L		
Gasoline Range Organics	ND	50	1		11/03/99 6:28	CJ	91350
Surr: 1,4-Difluorobenzene	86	62-144	1		11/03/99 6:28	CJ	91350
Surr: 4-Bromofluorobenzene	79	44-153	1		11/03/99 6:28	CJ	91350
PURGEABLE AROMATICS			SW8021B		Units: ug/L		
Benzene	ND	1	1		11/03/99 6:28	CJ	90927
Ethylbenzene	ND	1	1		11/03/99 6:28	CJ	90927
Methyl tert-butyl ether	ND	1	1		11/03/99 6:28	CJ	90927
Toluene	ND	1	1		11/03/99 6:28	CJ	90927
m,p-Xylene	ND	1	1		11/03/99 6:28	CJ	90927
o-Xylene	ND	1	1		11/03/99 6:28	CJ	90927
Xylenes,Total	ND	1	1		11/03/99 6:28	CJ	90927
Surr: 1,4-Difluorobenzene	85	72-137	1		11/03/99 6:28	CJ	90927
Surr: 4-Bromofluorobenzene	99	48-156	1		11/03/99 6:28	CJ	90927

Neaundra Wyatt

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID MW-9 **Collected:** 10/25/99 1:36:00 **SPL Sample ID:** 99100527-03

Site: 7-0104,19908579

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			CA_GRO		Units: ug/L		
Gasoline Range Organics	ND	50	1		11/02/99 23:13	CJ	88989
Surr: 1,4-Difluorobenzene	88	62-144	1		11/02/99 23:13	CJ	88989
Surr: 4-Bromofluorobenzene	78	44-153	1		11/02/99 23:13	CJ	88989
PURGEABLE AROMATICS			SW8021B		Units: ug/L		
Benzene	ND	1	1		11/02/99 23:13	CJ	88740
Ethylbenzene	ND	1	1		11/02/99 23:13	CJ	88740
Methyl tert-butyl ether	ND	1	1		11/02/99 23:13	CJ	88740
Toluene	ND	1	1		11/02/99 23:13	CJ	88740
m,p-Xylene	ND	1	1		11/02/99 23:13	CJ	88740
o-Xylene	ND	1	1		11/02/99 23:13	CJ	88740
Xylenes,Total	ND	1	1		11/02/99 23:13	CJ	88740
Surr: 1,4-Difluorobenzene	85	72-137	1		11/02/99 23:13	CJ	88740
Surr: 4-Bromofluorobenzene	99	48-156	1		11/02/99 23:13	CJ	88740

Neaundra Wyatt

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID MW-11 **Collected:** 10/25/99 2:20:00 **SPL Sample ID:** 99100527-04

Site: 7-0104,19908579

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			CA_GRO		Units: ug/L		
Gasoline Range Organics	51000	12000	250		11/03/99 0:30	CJ	88992
Surr: 1,4-Difluorobenzene	93	62-144	250		11/03/99 0:30	CJ	88992
Surr: 4-Bromofluorobenzene	82	44-153	250		11/03/99 0:30	CJ	88992
PURGEABLE AROMATICS			SW8021B		Units: ug/L		
Benzene	3900	25	25		11/03/99 19:40	CJ	90937
Ethylbenzene	2300	25	25		11/03/99 19:40	CJ	90937
Methyl tert-butyl ether	1700	25	25		11/03/99 19:40	CJ	90937
Toluene	5800	25	25		11/03/99 19:40	CJ	90937
m,p-Xylene	9300	25	25		11/03/99 19:40	CJ	90937
o-Xylene	3000	25	25		11/03/99 19:40	CJ	90937
Xylenes,Total	12300	25	25		11/03/99 19:40	CJ	90937
Surr: 1,4-Difluorobenzene	120	72-137	25		11/03/99 19:40	CJ	90937
Surr: 4-Bromofluorobenzene	120	48-156	25		11/03/99 19:40	CJ	90937

Wyatt, Neaundra
Project Manager

Qualifiers: -
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

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Client Sample ID Trip Blank | **Collected:** 10/25/99 | **SPL Sample ID:** 99100527-05

Site: 7-0104,19908579

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			CA_GRO		Units: ug/L		
Gasoline Range Organics	ND	50	1		11/04/99 0:48	CJ	91724
Surr: 1,4-Difluorobenzene	87	62-144	1		11/04/99 0:48	CJ	91724
Surr: 4-Bromofluorobenzene	80	44-153	1		11/04/99 0:48	CJ	91724
PURGEABLE AROMATICS			SW8021B		Units: ug/L		
Benzene	ND	1	1		11/04/99 0:48	CJ	91507
Ethylbenzene	ND	1	1		11/04/99 0:48	CJ	91507
Methyl tert-butyl ether	ND	1	1		11/04/99 0:48	CJ	91507
Toluene	ND	1	1		11/04/99 0:48	CJ	91507
m,p-Xylene	ND	1	1		11/04/99 0:48	CJ	91507
o-Xylene	ND	1	1		11/04/99 0:48	CJ	91507
Xylenes,Total	ND	1	1		11/04/99 0:48	CJ	91507
Surr: 1,4-Difluorobenzene	84	72-137	1		11/04/99 0:48	CJ	91507
Surr: 4-Bromofluorobenzene	97	48-156	1		11/04/99 0:48	CJ	91507

Neaundra Wyatt

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

EXXON94525

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 99100527
Lab Batch ID: R4225

Method Blank

RunID: HP_R_991102A-88733 Units: ug/L
Analysis Date: 11/02/1999 13:51 Analyst: CJ

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99100527-01A	MW-6
99100527-03A	MW-9

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	86.1	72-137
Surr: 4-Bromofluorobenzene	97.5	48-156

Laboratory Control Sample (LCS)

RunID: HP_R_991102A-88732 Units: ug/L
Analysis Date: 11/02/1999 12:59 Analyst: CJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	53	107	61	119
Ethylbenzene	50	55	111	70	118
Methyl tert-butyl ether	50	54	109	72	128
Toluene	50	55	109	65	125
m,p-Xylene	100	110	111	72	116
o-Xylene	50	55	110	72	117
Xylenes,Total	150	165	110	72	116

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99100524-02
RunID: HP_R_991102A-88735 Units: ug/L
Analysis Date: 11/02/1999 19:48 Analyst: CJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
nzene	ND	20	20	97.8	20	19	94.7	3.24	21	32	164

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

EXXON94525

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 99100527
Lab Batch ID: R4225

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99100524-02
RunID: HP_R_991102A-88735 Units: ug/L
Analysis Date: 11/02/1999 19:48 Analyst: CJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
ylbenzene	ND	20	19	95.9	20	18	91.0	5.19	19	52	142
ethyl tert-butyl ether	ND	20	25	125	20	23	113	9.63	20	39	150
Toluene	ND	20	20	97.9	20	19	94.2	3.85	20	38	159
p-Xylene	ND	40	39	96.4	40	37	91.4	5.31	17	53	144
Xylene	ND	20	20	100	20	19	95.3	4.85	18	53	143
Xylenes,Total	ND	60	59	98.3	60	56	93.3	5.22	17	53	143

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

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Quality Control Report

EXXON Company U.S.A.

EXXON94525

Analysis: Gasoline Range Organics
Method: CA_GRO

WorkOrder: 99100527
Lab Batch ID: R4232

Method Blank

RunID: HP_R_991102C-88969 Units: mg/L
Analysis Date: 11/02/1999 13:51 Analyst: CJ

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99100527-01A	MW-6
99100527-03A	MW-9
99100527-04A	MW-11

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	85.2	62-144
Surr: 4-Bromofluorobenzene	78.9	44-153

Laboratory Control Sample (LCS)

RunID: HP_R_991102C-88968 Units: mg/L
Analysis Date: 11/02/1999 13:25 Analyst: CJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.99	99	64	131

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99100524-03
RunID: HP_R_991102C-88976 Units: mg/L
Analysis Date: 11/02/1999 20:39 Analyst: CJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	0.75	83.1	0.9	0.75	82.9	0.174	36	36	160

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

EXXON94525

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 99100527
Lab Batch ID: R4307

Method Blank

RunID: HP_R_991103C-90925 Units: ug/L
Analysis Date: 11/03/1999 5:37 Analyst: CJ

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99100527-02A	MW-8
99100527-04A	MW-11

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	86.5	72-137
Surr: 4-Bromofluorobenzene	100.0	48-156

Laboratory Control Sample (LCS)

RunID: HP_R_991103C-90919 Units: ug/L
Analysis Date: 11/03/1999 3:03 Analyst: CJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	53	107	61	119
Ethylbenzene	50	54	108	70	118
Methyl tert-butyl ether	50	59	119	72	128
Toluene	50	53	107	65	125
m,p-Xylene	100	110	107	72	116
o-Xylene	50	53	106	72	117
Xylenes,Total	150	163	109	72	116

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99100524-04
RunID: HP_R_991103C-90921 Units: ug/L
Analysis Date: 11/03/1999 3:55 Analyst: CJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
nzene	ND	20	17	84.4	20	19	91.6	8.12	21	32	164

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

EXXON94525

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 99100527
Lab Batch ID: R4307

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99100524-04
RunID: HP_R_991103C-90921 Units: ug/L
Analysis Date: 11/03/1999 3:55 Analyst: CJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
ylbenzene	ND	20	16	77.5	20	17	83.5	7.44	19	52	142
Methyl tert-butyl ether	1.2	20	23	109	20	24	116	6.48	20	39	150
Toluene	ND	20	17	84.9	20	18	88.6	4.36	20	38	159
o-Xylene	ND	40	33	82.6	40	36	89.1	7.54	17	53	144
Xylene	ND	20	18	88.8	20	19	97.0	8.72	18	53	143
Xylenes,Total	ND	60	51	85.0	60	55	91.7	7.55	17	53	143

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

EXXON94525

Analysis: Gasoline Range Organics
Method: CA_GRO
WorkOrder: 99100527
Lab Batch ID: R4309

Method Blank

RunID: HP_R_991103D-91348 Units: mg/L
Analysis Date: 11/03/1999 5:37 Analyst: CJ

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99100527-02A	MW-8

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	84.2	62-144
Surr: 4-Bromofluorobenzene	78.8	44-153

Laboratory Control Sample (LCS)

RunID: HP_R_991103D-91343 Units: mg/L
Analysis Date: 11/03/1999 3:29 Analyst: CJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.88	88	64	131

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99100527-02
RunID: HP_R_991103D-91344 Units: mg/L
Analysis Date: 11/03/1999 4:46 Analyst: CJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	0.74	82.4	0.9	0.71	78.8	4.50	36	36	160

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

EXXON94525

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 99100527
Lab Batch ID: R4319

Method Blank

RunID: HP_R_991103E-91506 Units: ug/L
Analysis Date: 11/04/1999 0:22 Analyst: CJ

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99100527-05A	Trip Blank

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	78.3	72-137
Surr: 4-Bromofluorobenzene	98.1	48-156

Laboratory Control Sample (LCS)

RunID: HP_R_991103E-91503 Units: ug/L
Analysis Date: 11/03/1999 21:48 Analyst: CJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	52	103	61	119
Ethylbenzene	50	53	107	70	118
Methyl tert-butyl ether	50	54	107	72	128
Toluene	50	53	106	65	125
m,p-Xylene	100	110	107	72	116
o-Xylene	50	53	106	72	117
Xylenes,Total	150	163	109	72	116

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99100576-01
RunID: HP_R_991103E-91504 Units: ug/L
Analysis Date: 11/03/1999 22:39 Analyst: CJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	22	108	20	21	106	2.08	21	32	164

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

EXXON94525

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 99100527
Lab Batch ID: R4319

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99100576-01
RunID: HP_R_991103E-91504 Units: ug/L
Analysis Date: 11/03/1999 22:39 Analyst: CJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
nylbenzene	ND	20	21	103	20	20	99.6	3.77	19	52	142
Methyl tert-butyl ether	ND	20	25	127	20	25	124	2.40	20	39	150
Toluene	ND	20	21	107	20	20	102	4.56	20	38	159
p-Xylene	ND	40	37	92.9	40	35	86.9	6.59	17	53	144
Xylene	ND	20	20	101	20	19	96.0	5.13	18	53	143
Xylenes,Total	ND	60	57	95.0	60	54	90.0	5.41	17	53	143

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

EXXON94525

Analysis: Gasoline Range Organics
Method: CA_GRO

WorkOrder: 99100527
Lab Batch ID: R4330

Method Blank

RunID: HP_R_991103F-91723 Units: mg/L
Analysis Date: 11/04/1999 0:22 Analyst: CJ

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99100527-05A	Trip Blank

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	85.5	62-144
Surr: 4-Bromofluorobenzene	78.5	44-153

Laboratory Control Sample (LCS)

RunID: HP_R_991103F-91717 Units: mg/L
Analysis Date: 11/03/1999 22:14 Analyst: CJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.9	90	64	131

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99100576-02
RunID: HP_R_991103F-91718 Units: mg/L
Analysis Date: 11/03/1999 23:31 Analyst: CJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	0.72	80.0	0.9	0.74	82.2	2.74	36	36	160

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

Chain of Custody

And

Sample Receipt Checklist

EXXON COMPANY, USA. 99100527

CHAIN OF CUSTODY RECORD NO. _____ Page 1 of 1

Exxon Engineer: Marla Guensler Phone: (925) 246-8776
Consultant Co. Name: DELTA Contact: James Brownell
Address: 3164 Gold Camp Drive Phone: (916) 638-2765
Suite 200 Fax: (916) 638-8385
Ranco Cordova, CA 95670
RAS #: 7-0104 Facility/State ID # (TN Only): _____
AFE # (Terminal Only): _____ Consultant Project #: _____
Location: 1725 Park St. (City): Alameda (State): CA
☐ EE ☐ C & M ☐ SDT
Consultant Work Release #: 19908579 BTS #: 991025-KZ
Sampled By: Blaine Tech Services, Inc. / MATTHEW SMITH

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H_2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	BTEX 8020 ☐ WITH MTBE 602 ☐	PURGEABLE HALOCARBON 8010 ☐ 601 ☐	TPH/IR 418.1 ☐	O & G ☐ IR 413.1 ☐ GRAV. 413.2 ☐	TPH / GC 8015 GRO ☐ 8015 DRO ☐	VOL 8240 ☐ 624 ☐	SEMI-VOL 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB / PEST 8080 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMI-VOA ☐ PEST ☐ HERBC	METALS, TOTAL ☐ METALS, TCLP ☐	LEAD, TOTAL 239.1 ☐ 7421 ☐ LEAD, TCLP ☐	TOX/TOH ☐	REACTIVITY ☐ CORROSIVITY ☐ IGNITABILITY ☐	OTHER: STATE
MW-6	10/25/99	1358	X		X				4 40ml HCl VOAs	3	40ml	X				X										CA
MW-8		1305	X		X					3		X				X										
MW-9		1336	X		X					3		X				X										
MW-11		1420	X		X					3		X				X										
TB										2		X				X										

TAT
24 HR. ____ * 72 HR. ____ *
48 HR. ____ * 96 HR. ____ *
Standard X
Other ____
* Contact US Prior to Sending Sample

EXXON UST CONTRACT NO. S02317M01

SPECIAL DETECTION LIMITS (Specify)

REMARKS: 814372885533

SPECIAL REPORTING REQUIREMENTS (Specify)

LAB USE ONLY LOT # Storage Location
100 NW

QA/QC Level
Standard ☐ CLP ☐ Other ☐ _____

FAX ☐ ☐ FAX C-O-C W / REPORT

WORK ORDER #: 99100527 LAB WORK RELEASE #:

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler: Matthew Smith	10/26/99	7:30 AM	Received By:
Relinquished By Sampler:	Date	Time	Received By:
Relinquished By Sampler:	Date	Time	Received By Laboratory:
	10-28-99	10:00	Way Bill #: Cooler Temp: 3.0

SHIP SAMPLES BACK TO: SPL INCORPORATED, 8880 Interchange Drive, Houston, TX 77054 Ph: (713) 660-0901 Fax: (713) 660-8975 Ph: 1-800-969-6775

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	99100527	Received by:	Turnell, Randy
Date and Time Received:	10/28/99 10:00:00 AM	Carrier name:	FedEx
Temperature:	3 c		

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	Not Present ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:

EXXON Company U.S.A.

Certificate of Analysis Number:

99100527

Report To:		Project Name:	EXXON94525	
Delta Environmental Consultants, Inc.		Site:	7-0104,19908579	
Jim R. Brownell, R.G.		Site Address:	1725 Park St.	
3164 Gold Camp Drive, Suite 200			Alameda	CA
Rancho Cordova		PO Number:		
California		State:	California	
95670-		State Cert. No.:	1903	
ph: (916) 638-2765	fax: (916) 638-8385	Date Reported:		

Any data flags or quality control exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Wyatt, Neaundra
Project Manager

11/12/99
Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

EXXON Company U.S.A.

Certificate of Analysis Number:

00020346

Report To: Delta Environmental Consultants, Inc.
Steven Meeks
3164 Gold Camp Drive, Suite 200

Rancho Cordova
California
95670-
ph: (916) 638-2085 fax: (916) 638-8385

Fax To: *Delta Environmental Consultants, Inc.*
Steven Meeks *fax: (916) 638-8385*

Project Name: 000211-T1
Site: 7-0104,19908678
Site Address: 1725 Park St.
Alameda CA
PO Number:
State: California
State Cert. No.:
Date Reported:

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-2	00020346-01	Water	2/11/00 9:45:00 AM	2/12/00 10:00:00 AM		☑
MW-2	00020346-01	Water	2/11/00 9:45:00 AM	2/12/00 10:00:00 AM		☐

Sonia West 2/18/00
West, Sonia Date
Senior Project Manager

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

2/18/00 10:56:26 AM

EXXON COMPANY, USA. 00020346

CHAIN OF CUSTODY RECORD NO. _____ Page _____ of _____

Exxon Engineer: Marla Guenler Phone: (925) 246-8776
Consultant Co. Name: Delta Environmental Contact: Steve Meeks
Address: 3624 Gold Camp Rd. Phone: (916) 536-2613
Rancho Cordova, CA Fax: (916) 638-8385

RAS #: 7-0104 Facility/State ID # (TN Only): _____
AFE # (Terminal Only): _____ Consultant Project # 00021-T1
Location: 1725 Park St. (City): Fremont (State): CA
☐ EE ☐ C & M ☐ _____
Consultant Work Release #: 19908579 BTS# _____
Sampled By: Blaine Tech Services, Inc./ Print Name: _____

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX: H_2O	MATRIX: SOIL	MATRIX: AIR	MATRIX: OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	ANALYSIS REQUEST: BTEX 8020 ☑ 602 ☑ WITH MTBE ☐	PURGEABLE HALOCARBON 8010 ☐ 601 ☐	TPH/IR 418.1 ☐	O & G IR 413.1 ☐ GRAV. 413.2 ☐	TPH / GC 8015 GRO ☑ 8015 DRO ☐	VOL 8240 ☐ 624 ☐	SEMI-VOL 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB / PEST 8080 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMI-VOA ☐ PEST ☐ HERB ☐	METALS, TOTAL ☐ METALS, TCLP ☐	LEAD, TOTAL 239.1 ☐ 7421 ☐ LEAD, TCLP ☐	TOX/TOH ☐	REACTIVITY ☐ CORROSIVITY ☐ IGNITABILITY ☐	OTHER: STATE			
MW2	2/1/00	945			X				HCl	4																	CA			

TAT
24 HR. ___ * 72 HR. ___ *
48 HR. ___ * 96 HR. ___ *
Standard X * Contact US Prior
Other ___ to Sending Sample

EXXON UST CONTRACT NO. S02317M01

QA/QC Level
Standard ☐ CLP ☐ Other ☐ _____

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

FAX ☐ ☐ FAX C-O-C W / REPORT

REMARKS: PO 8184240349931

LAB USE ONLY LOT # Storage Location
50 90 4

WORK ORDER #: 00020346 LAB WORK RELEASE #:

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler:			Received By:
Relinquished By Sampler:			Received By:
Relinquished By Sampler:			Received By Laboratory:

Way Bill #: 510402 2/2/2000 Cooler Temp:

SHIP SAMPLES BACK TO: SPL INCORPORATED, 2990 Interstate Drive, Houston, TX 77054, PH: (713) 660-0901

02/18/00 14:08; JetFax #535;Page 2/3
713 6608975;
Sent by: SPL

HOUSTON LABORATORY
6880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: MW-2 **Collected:** 2/11/00 9:45:00 **SPL Sample ID:** 00020346-01

Site: 7-0104,19908578

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	ND		50		1		02/16/00 19:21	WR	192930
Surr: 1,4-Difluorobenzene	93.5	%	62-144		1		02/16/00 19:21	WR	192930
Surr: 4-Bromofluorobenzene	95.4	%	44-153		1		02/16/00 19:21	WR	192930
PURGEABLE AROMATICS				MCL	SW8021B		Units: ug/L		
Benzene	ND		1		1		02/16/00 19:21	WR	192953
Ethylbenzene	ND		1		1		02/16/00 19:21	WR	192953
Methyl tert-butyl ether	15		1		1		02/16/00 19:21	WR	192953
Toluene	ND		1		1		02/16/00 19:21	WR	192953
m,p-Xylene	ND		1		1		02/16/00 19:21	WR	192953
o-Xylene	ND		1		1		02/16/00 19:21	WR	192953
Xylenes,Total	ND		1		1		02/16/00 19:21	WR	192953
Surr: 1,4-Difluorobenzene	110	%	72-137		1		02/16/00 19:21	WR	192953
Surr: 4-Bromofluorobenzene	104	%	48-156		1		02/16/00 19:21	WR	192953

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

2/18/00 10:58:29 AM

ENCLOSURE E

Ground Water Treatment System
Laboratory Analytical Reports

94-832

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

September 14, 1999

Jim Brownell
Delta Environmental Consultants
3164 Gold Camp Dr., Suite 200
Rancho Cordova, CA 95670

RE: Exxon/P909193

Dear Jim Brownell:

Enclosed are the results of analyses for sample(s) received by the laboratory on September 8, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Matt Sakai
Project Manager

CA ELAP Certificate Number I-2374

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Delta Environmental Consultants	Project:	Exxon	Sampled: 9/7/99
3164 Gold Camp Dr., Suite 200	Project Number:	7-0104/D094-832	Received: 9/8/99
Rancho Cordova, CA 95670	Project Manager:	Jim Brownell	Reported: 9/14/99

ANALYTICAL REPORT FOR P909193

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
Effluent	P909193-01	Water	9/7/99
Mid	P909193-02	Water	9/7/99
Influent	P909193-03	Water	9/7/99

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Delta Environmental Consultants	Project:	Exxon	Sampled: 9/7/99
3164 Gold Camp Dr., Suite 200	Project Number:	7-0104/D094-832	Received: 9/8/99
Rancho Cordova, CA 95670	Project Manager:	Jim Brownell	Reported: 9/14/99

Sample Description: **Effluent**
Laboratory Sample Number: **P909193-01**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9090264	9/10/99	9/10/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*98.0*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*98.0*	"	

**Refer to end of report for text of notes and definitions.*

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Delta Environmental Consultants	Project:	Exxon	Sampled: 9/7/99
3164 Gold Camp Dr., Suite 200	Project Number:	7-0104/D094-832	Received: 9/8/99
Rancho Cordova, CA 95670	Project Manager:	Jim Brownell	Reported: 9/14/99

Sample Description: **Mid**
Laboratory Sample Number: **P909193-02**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9090264	9/10/99	9/10/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*97.3*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*99.0*	"	

**Refer to end of report for text of notes and definitions.*

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Delta Environmental Consultants	Project:	Exxon	Sampled: 9/7/99
3164 Gold Camp Dr., Suite 200	Project Number:	7-0104/D094-832	Received: 9/8/99
Rancho Cordova, CA 95670	Project Manager:	Jim Brownell	Reported: 9/14/99

Sample Description: **Influent**
Laboratory Sample Number: **P909193-03**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9090264	9/10/99	9/10/99		500	ND	ug/l	
Benzene	"	"	"		5.00	**20.4**	"	
Toluene	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Xylenes (total)	"	"	"		5.00	**31.1**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*97.7*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*96.0*	"	

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

elta Environmental Consultants	Project:	Exxon	Sampled: 9/7/99
164 Gold Camp Dr., Suite 200	Project Number:	7-0104/D094-832	Received: 9/8/99
Rancho Cordova, CA 95670	Project Manager:	Jim Brownell	Reported: 9/14/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
atch: 9090264	**Date Prepared: 9/10/99**					**Extraction Method: EPA 5030 waters**				
lank	**9090264-BLK1**									
Gasoline	9/10/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
oluene	"			**ND**	"	**0.500**				
thylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
urrogate: a,a,a-Trifluorotoluene	"	*300*		*290*	"	*65.0-135*	*96.7*			
urrogate: 4-Bromofluorobenzene	"	*300*		*295*	"	*65.0-135*	*98.3*			
LCS	**9090264-BS1**									
asoline	9/10/99	1000		956	ug/l	65.0-135	95.6			
urrogate: 4-Bromofluorobenzene	"	*300*		*300*	"	*65.0-135*	*100*			
Matrix Spike	**9090264-MS1**		**P909193-01**							
asoline	9/10/99	1000	ND	934	ug/l	65.0-135	**93.4**			
Surrogate: 4-Bromofluorobenzene	"	*300*		*295*	"	*65.0-135*	*98.3*			
atrix Spike Dup	**9090264-MSD1**		**P909193-01**							
asoline	9/10/99	1000	ND	914	ug/l	65.0-135	**91.4**	20.0	**2.16**	
Surrogate: 4-Bromofluorobenzene	"	*300*		*291*	"	*65.0-135*	*97.0*			

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Delta Environmental Consultants	Project: Exxon	Sampled: 9/7/99
3164 Gold Camp Dr., Suite 200	Project Number: 7-0104/D094-832	Received: 9/8/99
Rancho Cordova, CA 95670	Project Manager: Jim Brownell	Reported: 9/14/99

Notes and Definitions

	Note
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

Sequoia Analytical
680 Chesapeake Dr.
Redwood City, CA 94063
(650) 364-9600 • FAX (650) 364-9233

14104114 "

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Consultant's Name: Delta Environmental Consultants, Inc.			**Page** 1 **of** 1
Address: 3164 Gold Camp Dr. #200 Rancho Cordova, CA 95670			**Site Location:** Alameda CA
Project #: 7-0104	**Consultant Project #:** D094-832		**Consultant Work Release #:** 19432522
Project Contact: Jim Brownell	**Phone #:** 916 638 2085		**Laboratory Work Release #:**
EXXON Contact: Marla Gvensler	**Phone #:**		**EXXON RAS #:** 7-0104
Sampled by (print): Martin Morgan	**Sampler's Signature:**		
Shipment Method: Sequoia Courier	**Air Bill #:**		

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

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	ANALYSIS REQUIRED: TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520			Temperature: ON ICE Inbound Seal: Yes No Outbound Seal: Yes No
effluent	9/7/99	0605	H_2O	HCl	3	9909197-01	X					
Mid	9/7/99	0607	H_2O	HCl	3	-02	X					
influent	9/7/99	0609	H_2O	HCl	3	-03	X					

COOLER CUSTODY SEALS INTACT ☐ NOT INTACT ☐
COOLER TEMPERATURE 5 °C

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Delta	9/8/99	0605		9/8	8:05	
	9/8	8:50	Lisa Ayers	9/8	0850	
Lisa Ayers	9/8/99					

Pink - Client
Yellow - Sequoia
White - Sequoia

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:

EXXON Company U.S.A.

Certificate of Analysis Number:

99100180

Report To:		Project Name:	D094-832	
Delta Environmental Consultants, Inc.		Site:	7-0104,19432522	
Jim R. Brownell, R.G.		Site Address:	1725 Park Street	
3164 Gold Camp Drive, Suite 200			Alameda	CA
Rancho Cordova		PO Number:	EWR#19911940	
California		State:	California	
95670-		State Cert. No.:	1903	
ph: (916) 638-2765	fax: (916) 638-8385	Date Reported:	11/12/99	

Any data flags or quality control exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

RECEIVED
NOV 16 1999
By

11/12/99

Wyatt, Neaundra
Project Manager

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

EXXON Company U.S.A.

Certificate of Analysis Number:

99100180

Report To:

Delta Environmental Consultants, Inc.
Jim R. Brownell, R.G.
3164 Gold Camp Drive, Suite 200

Rancho Cordova
California
95670-
ph: (916) 638-2765 fax: (916) 638-8385

Project Name:	D094-832
Site:	7-0104,19432522
Site Address:	1725 Park Street
	Alameda CA
PO Number:	EWR#19911940
State:	California
State Cert. No.:	1903
Date Reported:	11/12/99

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Effluent	99100180-01	Water	10/12/99 9:52:00 AM	10/13/99 10:00:00 AM		☐
D	99100180-02	Water	10/12/99 9:54:00 AM	10/13/99 10:00:00 AM		☐
fluent	99100180-03	Water	10/12/99 9:56:00 AM	10/13/99 10:00:00 AM		☐

11/12/99
Date

vatt, Neaundra
oject Manager

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID Effluent **Collected:** 10/12/99 9:52:00 **SPL Sample ID:** 99100180-01

Site: 7-0104,19432522

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			CA_GRO		Units: ug/L		
Gasoline Range Organics	ND	50	1		10/20/99 5:23	LJ	76563
Surr: 1,4-Difluorobenzene	90	62-144	1		10/20/99 5:23	LJ	76563
Surr: 4-Bromofluorobenzene	97	44-153	1		10/20/99 5:23	LJ	76563
PURGEABLE AROMATICS			SW8021B		Units: ug/L		
Benzene	ND	1	1		10/20/99 5:23	LJ	76406
Ethylbenzene	ND	1	1		10/20/99 5:23	LJ	76406
Toluene	ND	1	1		10/20/99 5:23	LJ	76406
m,p-Xylene	ND	1	1		10/20/99 5:23	LJ	76406
o-Xylene	ND	1	1		10/20/99 5:23	LJ	76406
Xylenes,Total	ND	1	1		10/20/99 5:23	LJ	76406
Surr: 1,4-Difluorobenzene	93	72-137	1		10/20/99 5:23	LJ	76406
Surr: 4-Bromofluorobenzene	100	48-156	1		10/20/99 5:23	LJ	76406

REVISED
REVISION NO: 1
DATE: 11/12/99
INITIALS: NW

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID MID **Collected:** 10/12/99 9:54:00 **SPL Sample ID:** 99100180-02

Site: 7-0104,19432522

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			CA_GRO		Units: ug/L		
Gasoline Range Organics	ND	50	1		10/20/99 17:01	LJ	77338
Surr: 1,4-Difluorobenzene	89	62-144	1		10/20/99 17:01	LJ	77338
Surr: 4-Bromofluorobenzene	96	44-153	1		10/20/99 17:01	LJ	77338
PURGEABLE AROMATICS			SW8021B		Units: ug/L		
Benzene	ND	1	1		10/20/99 17:01	LJ	77301
Ethylbenzene	ND	1	1		10/20/99 17:01	LJ	77301
Toluene	ND	1	1		10/20/99 17:01	LJ	77301
m,p-Xylene	ND	1	1		10/20/99 17:01	LJ	77301
o-Xylene	ND	1	1		10/20/99 17:01	LJ	77301
Xylenes,Total	ND	1	1		10/20/99 17:01	LJ	77301
Surr: 1,4-Difluorobenzene	97	72-137	1		10/20/99 17:01	LJ	77301
Surr: 4-Bromofluorobenzene	99	48-156	1		10/20/99 17:01	LJ	77301

VISED
REVISION NO: 1
DATE: 11/12/99
INITIALS: NW

Neaundra Wyatt

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID Influent **Collected:** 10/12/99 9:56:00 **SPL Sample ID:** 99100180-03

Site: 7-0104,19432522

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			CA_GRO		Units: ug/L		
Gasoline Range Organics	100	50	1		10/20/99 17:31	LJ	77339
Surr: 1,4-Difluorobenzene	88	62-144	1		10/20/99 17:31	LJ	77339
Surr: 4-Bromofluorobenzene	92	44-153	1		10/20/99 17:31	LJ	77339
PURGEABLE AROMATICS			SW8021B		Units: ug/L		
Benzene	2	1	1		10/20/99 17:31	LJ	77302
Ethylbenzene	ND	1	1		10/20/99 17:31	LJ	77302
Toluene	ND	1	1		10/20/99 17:31	LJ	77302
m,p-Xylene	ND	1	1		10/20/99 17:31	LJ	77302
o-Xylene	ND	1	1		10/20/99 17:31	LJ	77302
Xylenes,Total	ND	1	1		10/20/99 17:31	LJ	77302
Surr: 1,4-Difluorobenzene	96	72-137	1		10/20/99 17:31	LJ	77302
Surr: 4-Bromofluorobenzene	95	48-156	1		10/20/99 17:31	LJ	77302

REVISED
REVISION NO: 1
DATE: 11/12/99
INITIALS: NW

Neaundra Wyatt

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 99100180
Lab Batch ID: R3618

Method Blank

RunID: HP_S_991019B-76391 Units: ug/L
Analysis Date: 10/19/1999 6:39 Analyst: LJ

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99100180-01A	Effluent

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	94.4	72-137
Surr: 4-Bromofluorobenzene	100.9	48-156

Laboratory Control Sample (LCS)

RunID: HP_S_991019B-76392 Units: ug/L
Analysis Date: 10/19/1999 7:16 Analyst: LJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	49	99	61	119
Ethylbenzene	50	50	100	70	118
Toluene	50	50	100	65	125
m,p-Xylene	100	95	95	72	116
o-Xylene	50	51	101	72	117
Xylenes,Total	150	146	97	72	116

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99100174-01
RunID: HP_S_991019B-76393 Units: ug/L
Analysis Date: 10/19/1999 8:21 Analyst: LJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	20	97.6	20	19	94.1	3.69	21	32	164
Ethylbenzene	ND	20	19	91.9	20	18	90.4	1.63	19	52	142
Toluene	ND	20	19	94.3	20	18	91.3	3.27	20	38	159

Qualifiers: ND/U - Not Detected at the Reporting Limit
* - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank
D - Surrogate Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 99100180
Lab Batch ID: R3618

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99100174-01
RunID: HP_S_991019B-76393 Units: ug/L
Analysis Date: 10/19/1999 8:21 Analyst: LJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
o-Xylene	ND	40	34	83.7	40	33	81.7	2.35	17	53	144
Xylene	ND	20	20	99.1	20	20	97.8	1.34	18	53	143
Xylenes,Total	ND	60	54	90.0	60	53	88.3	1.87	17	53	143

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Gasoline Range Organics
Method: CA_GRO

WorkOrder: 99100180
Lab Batch ID: R3626

Method Blank

RunID: HP_S_991019C-76555 Units: mg/L
Analysis Date: 10/19/1999 6:39 Analyst: LJ

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99100180-01A	Effluent

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	90.1	62-144
Surr: 4-Bromofluorobenzene	95.9	44-153

Laboratory Control Sample (LCS)

RunID: HP_S_991019C-76556 Units: mg/L
Analysis Date: 10/19/1999 7:50 Analyst: LJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.71	71	64	131

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99100174-04
RunID: HP_S_991019C-76557 Units: mg/L
Analysis Date: 10/19/1999 9:21 Analyst: LJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1	0.53	48.5	1	0.63	59.1	19.6	36	36	160

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
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Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 99100180
Lab Batch ID: R3641

Method Blank

RunID: HP_S_991020A-76859 Units: ug/L
Analysis Date: 10/20/1999 9:02 Analyst: LJ

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99100180-02A	MID
99100180-03A	Influent

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	96.2	72-137
Surr: 4-Bromofluorobenzene	100.0	48-156

Laboratory Control Sample (LCS)

RunID: HP_S_991020A-76862 Units: ug/L
Analysis Date: 10/20/1999 12:41 Analyst: LJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	41	81	61	119
Ethylbenzene	50	46	91	70	118
Toluene	50	44	88	65	125
m,p-Xylene	100	86	86	72	116
o-Xylene	50	46	92	72	117
Xylenes,Total	150	132	88	72	116

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99100179-08
RunID: HP_S_991020A-76860 Units: ug/L
Analysis Date: 10/20/1999 10:37 Analyst: LJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	18	88.1	20	17	85.3	3.31	21	32	164
Ethylbenzene	ND	20	16	82.2	20	16	78.5	4.59	19	52	142
Toluene	ND	20	17	85.6	20	16	81.5	4.82	20	38	159

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 99100180
Lab Batch ID: R3641

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99100179-08
RunID: HP_S_991020A-76860 Units: ug/L
Analysis Date: 10/20/1999 10:37 Analyst: LJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
p-Xylene	ND	40	30	75.4	40	29	72.2	4.24	17	53	144
o-Xylene	ND	20	18	90.5	20	17	87.1	3.84	18	53	143
Xylenes,Total	ND	60	48	80.0	60	46	76.7	4.26	17	53	143

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Gasoline Range Organics
Method: CA_GRO

WorkOrder: 99100180
Lab Batch ID: R3657

Method Blank

RunID: HP_S_991020B-77329 Units: mg/L
Analysis Date: 10/20/1999 9:02 Analyst: LJ

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99100180-02A	MID
99100180-03A	Influent

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	91.1	62-144
Surr: 4-Bromofluorobenzene	95.5	44-153

Laboratory Control Sample (LCS)

RunID: HP_S_991020B-77413 Units: mg/L
Analysis Date: 10/20/1999 10:08 Analyst: LJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.64	64	64	131

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99100179-10
RunID: HP_S_991020B-77332 Units: mg/L
Analysis Date: 10/20/1999 11:37 Analyst: LJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	0.42	46.4	0.9	0.42	46.9	1.10	36	36	160

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

Chain of Custody

And

Sample Receipt Checklist

EXXON COMPANY, USA

4/10/180

CHAIN OF CUSTODY RECORD NO. _____ Page 1 of 1

Exxon Engineer: Marla Guensler Phone: _____

Consultant Co. Name: Delta Env. Consc Contact: Jim Brownell

Address: 3164 Gold Camp Dr. Phone (916) 638-2085

Rancho Cordova Fax: _____

95670

RAS #: 7-0104 Facility/State ID # (TN Only): _____

AFE # (Terminal Only): _____ Consultant Project #: D094-832

Location: _____ (City): Alameda (State): CA

☐ EE ☐ C & M ☐ SDT

Consultant Work Release #: 19432522

Sampled By: Martin Morgan

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H_2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	BTEX 8020 ☐ WITH MTBE ☐ 602 ☐	PURGEABLE HALOCARBON 8010 ☐ 601 ☐	TPH/IR 418.1 ☐	O&G IR 413.1 ☐ GRAV. 413.2 ☐	TPH/GC 8015 GRO ☐ 8015 DRO ☐	VOL 8240 ☐ 624 ☐	SEMI-VOL 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB/PEST 8080 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMI-VOA ☐ PEST ☐ HERB ☐	METALS, TOTAL ☐ METALS, TCLP ☐	LEAD, TOTAL 239.1 ☐ 7421 ☐ LEAD, TCLP ☐	TOX/TOH ☐	REACTIVITY ☐ CORROSIVITY ☐ IGNITABILITY ☐	OTHER: STATE
effluent	10/12/99	0952		✓	✓				HCl	3	40ml	X				X										CA
Mid	10/12/99	0954		✓	✓				HCl	3	40ml	X				X										CA
Influent	10/12/99	0956		✓	✓				HCl	3	40ml	X				X										CA

TAT
24 HR. ___ * 72 Hr. ___ *
48 HR. ___ * 96 Hr. ___ *
Standard X *Contact US Prior to Sending Sample
Other ___

EXXON UST CONTRACT NO. S02317M01

QA/QC Level
Standard ☐ CLP ☐ Other ☐ _____

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

FAX ☐ ☐ FAX C-O-C W/REPORT

REMARKS:

LAB USE ONLY Lot # 80 NCO Storage Location

WORK ORDER #: 99100180 LAB WORK RELEASE #:

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler:	10/12/99	1411	Received By:
Relinquished By:	Date	Time	Received By:
Relinquished By:	Date	Time	Received By Laboratory: 10/13/99 1000

Waybill # _____ Cooler Temp: 4c

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	99100180	Received by:	Estrada, Ruben
Date and Time Received:	10/13/99 10:00:00 AM	Carrier name:	FedEx
Temperature:	4		

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	Not Present ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:

EXXON Company U.S.A.

Certificate of Analysis Number:

99110489

Report To:		Project Name:	D094-832	
Delta Environmental Consultants, Inc.		Site:	7-0104,19432522	
Steven Meeks		Site Address:	1725 Park Street	
3164 Gold Camp Drive, Suite 200			Alameda	CA
Rancho Cordova		PO Number:		
California		State:	California	
95670-		State Cert. No.:	1903	
ph: (916) 638-2765	fax: (916) 638-8385	Date Reported:		

Any data flags or quality control exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Wyatt, Neaundra
Project Manager

12/6/99
Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

EXXON Company U.S.A.

Certificate of Analysis Number:

99110489

Report To:	Delta Environmental Consultants, Inc. Steven Meeks 3164 Gold Camp Drive, Suite 200 Rancho Cordova California 95670- ph: (916) 638-2765 fax: (916) 638-8385	Project Name:	D094-832
		Site:	7-0104,19432522
		Site Address:	1725 Park Street Alameda CA
		PO Number:	
		State:	California
		State Cert. No.:	1903
Fax To:	*Delta Environmental Consultants, Inc.* *Steven Meeks* *fax: (916) 638-8385*	Date Reported:	

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Effluent	99110489-01	Water	11/18/99 5:20:00 AM	11/19/99 10:00:00 AM		☐
MID	99110489-02	Water	11/18/99 5:23:00 AM	11/19/99 10:00:00 AM		☐
Influent	99110489-03	Water	11/18/99 5:26:00 AM	11/19/99 10:00:00 AM		☐

12/6/99
Date

Watt, Neaundra
Project Manager

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID Effluent **Collected:** 11/18/99 5:20:00 **SPL Sample ID:** 99110489-01

Site: 7-0104,19432522

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				CA_GRO			Units: ug/L		
Gasoline Range Organics	ND		50		1		11/23/99 18:55	WR	115076
Surr: 1,4-Difluorobenzene	97	%	62-144		1		11/23/99 18:55	WR	115076
Surr: 4-Bromofluorobenzene	87	%	44-153		1		11/23/99 18:55	WR	115076
PURGEABLE AROMATICS				SW8021B			Units: ug/L		
Benzene	ND		1		1		11/23/99 18:55	WR	115108
Ethylbenzene	ND		1		1		11/23/99 18:55	WR	115108
Toluene	ND		1		1		11/23/99 18:55	WR	115108
m,p-Xylene	ND		1		1		11/23/99 18:55	WR	115108
o-Xylene	ND		1		1		11/23/99 18:55	WR	115108
Xylenes,Total	ND		1		1		11/23/99 18:55	WR	115108
Surr: 1,4-Difluorobenzene	91	%	72-137		1		11/23/99 18:55	WR	115108
Surr: 4-Bromofluorobenzene	81	%	48-156		1		11/23/99 18:55	WR	115108

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID MID **Collected:** 11/18/99 5:23:00 **SPL Sample ID:** 99110489-02

Site: 7-0104,19432522

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				CA_GRO		Units: ug/L		
Gasoline Range Organics	ND		50	1		11/23/99 19:19	WR	115086
Surr: 1,4-Difluorobenzene	99	%	62-144	1		11/23/99 19:19	WR	115086
Surr: 4-Bromofluorobenzene	86	%	44-153	1		11/23/99 19:19	WR	115086
PURGEABLE AROMATICS				SW8021B		Units: ug/L		
Benzene	ND		1	1		11/23/99 19:19	WR	115109
Ethylbenzene	ND		1	1		11/23/99 19:19	WR	115109
Toluene	ND		1	1		11/23/99 19:19	WR	115109
m,p-Xylene	ND		1	1		11/23/99 19:19	WR	115109
o-Xylene	ND		1	1		11/23/99 19:19	WR	115109
Xylenes,Total	ND		1	1		11/23/99 19:19	WR	115109
Surr: 1,4-Difluorobenzene	91	%	72-137	1		11/23/99 19:19	WR	115109
Surr: 4-Bromofluorobenzene	82	%	48-156	1		11/23/99 19:19	WR	115109

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID Influent **Collected:** 11/18/99 5:26:00 **SPL Sample ID:** 99110489-03

Site: 7-0104,19432522

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				CA_GRO		Units: ug/L		
Gasoline Range Organics	660		50	1		11/23/99 19:43	WR	115089
Surr: 1,4-Difluorobenzene	100	%	62-144	1		11/23/99 19:43	WR	115089
Surr: 4-Bromofluorobenzene	92	%	44-153	1		11/23/99 19:43	WR	115089
PURGEABLE AROMATICS				SW8021B		Units: ug/L		
Benzene	66		1	1		11/23/99 19:43	WR	115110
Ethylbenzene	5.6		1	1		11/23/99 19:43	WR	115110
Toluene	7.8		1	1		11/23/99 19:43	WR	115110
m,p-Xylene	42		1	1		11/23/99 19:43	WR	115110
o-Xylene	15		1	1		11/23/99 19:43	WR	115110
Xylenes,Total	57		1	1		11/23/99 19:43	WR	115110
Surr: 1,4-Difluorobenzene	94	%	72-137	1		11/23/99 19:43	WR	115110
Surr: 4-Bromofluorobenzene	80	%	48-156	1		11/23/99 19:43	WR	115110

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Gasoline Range Organics
Method: CA_GRO

WorkOrder: 99110489
Lab Batch ID: R5334

Method Blank

RunID: HP_N_991123A-115068 Units: mg/L
Analysis Date: 11/23/1999 14:01 Analyst: WR

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99110489-01A	Effluent
99110489-02A	MID
99110489-03A	Influent

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	96.0	62-144
Surr: 4-Bromofluorobenzene	86.8	44-153

Laboratory Control Sample (LCS)

RunID: HP_N_991123A-115067 Units: mg/L
Analysis Date: 11/23/1999 13:29 Analyst: WR

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.96	96	64	131

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99110485-02
RunID: HP_N_991123A-115069 Units: mg/L
Analysis Date: 11/23/1999 15:44 Analyst: WR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	1.1	118	0.9	1	112	5.59	36	36	160

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 99110489
Lab Batch ID: R5336

Method Blank

RunID: HP_N_991123B-115104 Units: ug/L
Analysis Date: 11/23/1999 14:01 Analyst: WR

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99110489-01A	Effluent
99110489-02A	MID
99110489-03A	Influent

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	89.2	72-137
Surr: 4-Bromofluorobenzene	79.9	48-156

Laboratory Control Sample (LCS)

RunID: HP_N_991123B-115103 Units: ug/L
Analysis Date: 11/23/1999 13:05 Analyst: WR

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	45	90	61	119
Ethylbenzene	50	45	89	70	118
Toluene	50	45	91	65	125
m,p-Xylene	100	94	94	72	116
o-Xylene	50	46	93	72	117
Xylenes,Total	150	140	93	72	116

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99110485-03
RunID: HP_N_991123B-115113 Units: ug/L
Analysis Date: 11/24/1999 10:17 Analyst: WR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	19	95.6	20	19	94.0	1.68	21	32	164
Ethylbenzene	ND	20	20	96.7	20	19	94.8	2.00	19	52	142
Toluene	ND	20	20	97.6	20	19	96.0	1.65	20	38	159

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 99110489
Lab Batch ID: R5336

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99110485-03
RunID: HP_N_991123B-115113 Units: ug/L
Analysis Date: 11/24/1999 10:17 Analyst: WR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
m,p-Xylene	ND	40	41	102	40	40	100	1.62	17	53	144
o-Xylene	ND	20	20	98.9	20	20	98.7	0.214	18	53	143
Xylenes,Total	ND	60	61	102	60	60	100	1.65	17	53	143

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution

Chain of Custody

And

Sample Receipt Checklist

EXXON COMPANY, USA. 99110489

CHAIN OF CUSTODY RECORD NO. _____ Page 1 of 1

Exxon Engineer: Marla Gwender Phone: _____

Consultant Co. Name: Delta Env. Cons. Contact: Steve Meeks

Address: 3164 Gold Camp Dr. #200 Phone: 916 638 2085

Fax: 916 638 8385

Rancho Cordova CA 95670

RAS #: 7-0104 Facility/State ID # (TN Only): _____

AFE # (Terminal Only): _____ Consultant Project #: D094-832

Location: Park St. (City): Alameda (State): CA

☐ EE ☐ C & M ☐ SDT

Consultant Work Release #: 19432522

Sampled By: Martin Morgan

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H_2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	BTEX 8020 WITH MTBE ☐ 602 ☐	PURGEABLE HALOCARBON 8010 ☐ 601 ☐	TPH/IR 418.1 ☐	O&G IR 413.1 ☐ GRAV. 413.2 ☐	TPH/GC 8015 GRO ☒ 8015 DRO ☐	VOL 8240 ☐ 624 ☐	SEMI-VOL 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB/PEST 8080 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMI-VOA ☐ PEST ☐ HERB ☐	METALS, TOTAL ☐ METALS, TCLP ☐	LEAD, TOTAL 239.1 ☐ 7421 ☐ LEAD, TCLP ☐	TOX/TOH ☐	REACTIVITY ☐ CORROSIVITY ☐ IGNITABILITY ☐	OTHER: STATE
effluent	11/19/99	0530		X	X				HCl	3	40ml	X				X									
Mid	11/19/99	0533		X	X				HCl	3	40ml	X				X									
Influent	11/18/99	0526		X	X				HCl	3	40ml	X				X									

TAT

24 HR. ___* 72 Hr. ___*

48 HR. ___* 96 Hr. ___*

Standard X

Other ___

*Contact US Prior to Sending Sample

EXXON UST CONTRACT NO. S02317M01

QA/QC Level

Standard ☐ CLP ☐ Other ☐ _____

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

FAX ☐ ☐ FAX C-O-C W/REPORT

REMARKS: 6

LAB USE ONLY Lot # NW. 70 Storage Location

WORK ORDER #: 99110489 LAB WORK RELEASE #:

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler:	11/18/99	12:00	Received By:
Relinquished By:			Received By:
Relinquished By:			Received By Laboratory: 11/19/99

[redacted] Bill #: [redacted] Cooler Temp: [redacted]

SHIP SAMPLES BACK TO: SPL INCORPORATED [redacted]

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	99110489	Received by:	Estrada, Ruben
Date and Time Received:	11/19/99 10:00:00 AM	Carrier name:	FedEx
Temperature:	6		

Shipping container/cooler in good condition?	Yes	☑	No ☐	Not Present	☐
Custody seals intact on shippping container/cooler?	Yes	☐	No ☐	Not Present	☑
Custody seals intact on sample bottles?	Yes	☐	No ☐	Not Present	☑
Chain of custody present?	Yes	☑	No ☐		
Chain of custody signed when relinquished and received?	Yes	☑	No ☐		
Chain of custody agrees with sample labels?	Yes	☑	No ☐		
Samples in proper container/bottle?	Yes	☑	No ☐		
Sample containers intact?	Yes	☑	No ☐		
Sufficient sample volume for indicated test?	Yes	☑	No ☐		
All samples received within holding time?	Yes	☑	No ☐		
Container/Temp Blank temperature in compliance?	Yes	☑	No ☐		
Water - VOA vials have zero headspace?	Yes	☑	No ☐	Not Present	☐
Water - pH acceptable upon receipt?	Yes	☑	No ☐		

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
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Case Narrative for:

EXXON Company U.S.A.

Certificate of Analysis Number:

99120304

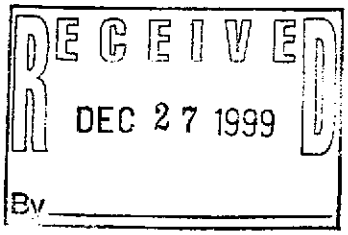
Report To:		Project Name:	D094-832	
Delta Environmental Consultants, Inc.		Site:	7-0104,19432522	
Steven Meeks		Site Address:	1725 Park Street	
3164 Gold Camp Drive, Suite 200			Alameda	CA
Rancho Cordova		PO Number:		
California		State:	California	
95670-		State Cert. No.:	1903	
ph: (916) 638-2765	fax: (916) 638-8385	Date Reported:		

Any data flags or quality control exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.



Sonia Wyatt

12/21/99

for: Wyatt, Neaundra
Project Manager

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

EXXON Company U.S.A.

Certificate of Analysis Number:

99120304

Report To:	Delta Environmental Consultants, Inc. Steven Meeks 3164 Gold Camp Drive, Suite 200 Rancho Cordova California 95670- ph: (916) 638-2765 fax: (916) 638-8385	**Project Name:**	D094-832
		Site:	7-0104,19432522
		Site Address:	1725 Park Street Alameda CA
		PO Number:	
		State:	California
		State Cert. No.:	1903
Fax To:	*Delta Environmental Consultants, Inc.* *Steven Meeks fax: (916) 638-8385*	**Date Reported:**	

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
INF	99120304-01	Water	12/9/99 6:52:00 AM	12/10/99 10:00:00 AM		☐
Gac 1	99120304-02	Water	12/9/99 6:50:00 AM	12/10/99 10:00:00 AM		☐
Gac 2	99120304-03	Water	12/9/99 7:06:00 AM	12/10/99 10:00:00 AM		☐
Eff	99120304-04	Water	12/9/99 6:48:00 AM	12/10/99 10:00:00 AM		☐

12/21/99

Date

Watt, Neaundra
Project Manager

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: INF **Collected:** 12/9/99 6:52:00 **SPL Sample ID:** 99120304-01

Site: 7-0104,19432522

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	200		50	1		12/11/99 22:00	LJ	129561
Surr: 1,4-Difluorobenzene	110	%	62-144	1		12/11/99 22:00	LJ	129561
Surr: 4-Bromofluorobenzene	110	%	44-153	1		12/11/99 22:00	LJ	129561
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	28		1	1		12/11/99 22:00	LJ	128623
Ethylbenzene	2.2		1	1		12/11/99 22:00	LJ	128623
Toluene	3.2		1	1		12/11/99 22:00	LJ	128623
m,p-Xylene	16		1	1		12/11/99 22:00	LJ	128623
o-Xylene	6.4		1	1		12/11/99 22:00	LJ	128623
Xylenes,Total	22.4		1	1		12/11/99 22:00	LJ	128623
Surr: 1,4-Difluorobenzene	110	%	72-137	1		12/11/99 22:00	LJ	128623
Surr: 4-Bromofluorobenzene	97	%	48-156	1		12/11/99 22:00	LJ	128623

Neaundra Wyatt

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: Gac 1 **Collected:** 12/9/99 6:50:00 **SPL Sample ID:** 99120304-02

Site: 7-0104,19432522

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	ND		50	1		12/11/99 21:12	LJ	129508
Surr: 1,4-Difluorobenzene	100	%	62-144	1		12/11/99 21:12	LJ	129508
Surr: 4-Bromofluorobenzene	99	%	44-153	1		12/11/99 21:12	LJ	129508
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		1	1		12/11/99 21:12	LJ	128621
Ethylbenzene	ND		1	1		12/11/99 21:12	LJ	128621
Toluene	ND		1	1		12/11/99 21:12	LJ	128621
m,p-Xylene	ND		1	1		12/11/99 21:12	LJ	128621
o-Xylene	ND		1	1		12/11/99 21:12	LJ	128621
Xylenes,Total	ND		1	1		12/11/99 21:12	LJ	128621
Surr: 1,4-Difluorobenzene	99	%	72-137	1		12/11/99 21:12	LJ	128621
Surr: 4-Bromofluorobenzene	91	%	48-156	1		12/11/99 21:12	LJ	128621

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: Gac 2 **Collected:** 12/9/99 7:06:00 **SPL Sample ID:** 99120304-03

Site: 7-0104,19432522

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	ND		50	1		12/11/99 21:36	LJ	129541
Surr: 1,4-Difluorobenzene	100	%	62-144	1		12/11/99 21:36	LJ	129541
Surr: 4-Bromofluorobenzene	96	%	44-153	1		12/11/99 21:36	LJ	129541
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		1	1		12/11/99 21:36	LJ	128622
Ethylbenzene	ND		1	1		12/11/99 21:36	LJ	128622
Toluene	ND		1	1		12/11/99 21:36	LJ	128622
m,p-Xylene	ND		1	1		12/11/99 21:36	LJ	128622
o-Xylene	ND		1	1		12/11/99 21:36	LJ	128622
Xylenes,Total	ND		1	1		12/11/99 21:36	LJ	128622
Surr: 1,4-Difluorobenzene	100	%	72-137	1		12/11/99 21:36	LJ	128622
Surr: 4-Bromofluorobenzene	94	%	48-156	1		12/11/99 21:36	LJ	128622

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: Eff **Collected:** 12/9/99 6:48:00 **SPL Sample ID:** 99120304-04

Site: 7-0104,19432522

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	ND		50	1		12/11/99 22:25	LJ	129635
Surr: 1,4-Difluorobenzene	100	%	62-144	1		12/11/99 22:25	LJ	129635
Surr: 4-Bromofluorobenzene	99	%	44-153	1		12/11/99 22:25	LJ	129635
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		1	1		12/11/99 22:25	LJ	128624
Ethylbenzene	ND		1	1		12/11/99 22:25	LJ	128624
Toluene	ND		1	1		12/11/99 22:25	LJ	128624
m,p-Xylene	ND		1	1		12/11/99 22:25	LJ	128624
o-Xylene	ND		1	1		12/11/99 22:25	LJ	128624
Xylenes,Total	ND		1	1		12/11/99 22:25	LJ	128624
Surr: 1,4-Difluorobenzene	100	%	72-137	1		12/11/99 22:25	LJ	128624
Surr: 4-Bromofluorobenzene	91	%	48-156	1		12/11/99 22:25	LJ	128624

Neaundra Wyatt

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 99120304
Lab Batch ID: R6040

Method Blank

RunID: HP_U_991211A-128617 Units: ug/L
Analysis Date: 12/11/1999 16:27 Analyst: LJ

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	100.9	72-137
Surr: 4-Bromofluorobenzene	94.1	48-156

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99120304-01A	INF
99120304-02A	Gac 1
99120304-03A	Gac 2
99120304-04A	Eff

Laboratory Control Sample (LCS)

RunID: HP_U_991211A-128618 Units: ug/L
Analysis Date: 12/11/1999 18:21 Analyst: LJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	48	95	61	119
Ethylbenzene	50	48	96	70	118
Toluene	50	49	97	65	125
m,p-Xylene	100	97	97	72	116
o-Xylene	50	50	99	72	117
Xylenes,Total	150	147	98	72	117

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99120304-02
RunID: HP_U_991211A-128619 Units: ug/L
Analysis Date: 12/11/1999 19:10 Analyst: LJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	22	110	20	22	110	0.0756	21	32	164
Ethylbenzene	ND	20	22	110	20	22	109	0.438	19	52	142
Toluene	ND	20	22	112	20	22	111	0.474	20	38	159
m,p-Xylene	ND	40	43	108	40	43	108	0.577	17	53	144
o-Xylene	ND	20	22	110	20	22	109	0.514	18	53	143

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 99120304
Lab Batch ID: R6040

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99120304-02
RunID: HP_U_991211A-128619 Units: ug/L
Analysis Date: 12/11/1999 19:10 Analyst: LJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Xylenes,Total	ND	60	65	108	60	65	108	0	18	53	144

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
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Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Gasoline Range Organics
Method: CA_GRO

WorkOrder: 99120304
Lab Batch ID: R6047

Method Blank

RunID: HP_U_991211B-129477 Units: mg/L
Analysis Date: 12/11/1999 16:27 Analyst: LJ

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	107.7	62-144
Surr: 4-Bromofluorobenzene	97.4	44-153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99120304-01A	INF
99120304-02A	Gac 1
99120304-03A	Gac 2
99120304-04A	Eff

Laboratory Control Sample (LCS)

RunID: HP_U_991211B-129479 Units: mg/L
Analysis Date: 12/11/1999 18:45 Analyst: LJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.75	75	64	131

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99120304-03
RunID: HP_U_991211B-129481 Units: mg/L
Analysis Date: 12/11/1999 19:59 Analyst: LJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	1	112	0.9	0.99	110	2.43	36	36	160

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution

Chain of Custody

And

Sample Receipt Checklist

EXXON COMPANY, USA. 99120304

CHAIN OF CUSTODY RECORD NO. _____ Page ____ of ____

Exxon Engineer: Marla Phone:

Consultant Co. Name: DeHn Contact: Steve Meeks

Address: 3164 Gold Country Blvd Phone: 916-536-2613

Rancho Cordova CA Fax: 916-636 ~~0305~~

RAS #: 7-0104 Facility/State ID # (TN Only):

AFE # (Terminal Only): Consultant Project #: D094-532

Location: Alameda (City): Alameda (State): CA

☐ EE ☐ C & M ☐ SDT

Consultant Work Release #: 194 32522

Sampled By: Chris Hill

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H_2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	BTEX 8020 ☐ WITH MTBE ☐ 602 ☐	PURGEABLE HALOCARBON 8010 ☐ 601 ☐	TPH/IR 418.1 ☐	O&G IR 413.1 ☐ GRAV. 413.2 ☐	TPH/GC 8015 GRO ☐ 8015 DRO ☐	VOL 8240 ☐ 624 ☐	SEMI-VOL 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB/PEST 8080 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMI-VOA ☐ PEST ☐ HERB ☐	METALS, TOTAL ☐ METALS, TCLP ☐	LEAD, TOTAL ☐ 7421 ☐ LEAD, TCLP ☐	TOX/TOH ☐	REACTIVITY ☐ CORROSIVITY ☐ IGNITABILITY ☐	OTHER: STATE
INF	12-9-99	0652		X	X				ALL	3		X				X										
GAC 1	"	0656		X	X				"	3		X				X										
GAC 2	"	0706		X	X				"	3		X				X										
EFF	12-9-99	0645		X	X				"	3		X				X										

TAT

24 HR. ___* 72 Hr. ___*

48 HR. ___* 96 Hr. ___*

Standard X *Contact US Prior to Sending Sample

Other ___

EXXON UST CONTRACT NO. S02317M01

QA/QC Level

Standard ☐ CLP ☐ Other ☐ _____

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

FAX ☐ ☐ FAX C-O-C W/REPORT

REMARKS: 60

LAB USE ONLY Lot # 100 NW Storage Location

WORK ORDER #: 99120304 LAB WORK RELEASE #:

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler:			Received By:
Relinquished By:			Received By:
Relinquished By:			Received By Laboratory:

[redacted] Temp: [redacted]

SHIP SAMPLES BACK TO: SPL INCORPORATED, 8880 Interchange Drive, Houston, TX 77054 Ph: (713) 660-0901 Fax: (713) 660-8647

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	99120304	Received by:	Stelly, D'Anna
Date and Time Received:	12/10/99 10:00:00 AM	Carrier name:	FedEx
Temperature:	6		

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	Not Present ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:

EXXON Company U.S.A.

Certificate of Analysis Number:

00010199

Report To:		Project Name:	D094-832	
Delta Environmental Consultants, Inc.		Site:	7-0104,19432522	
Steven Meeks		Site Address:	1725 Park Street	
3164 Gold Camp Drive, Suite 200			Alameda	CA
Rancho Cordova		PO Number:	EWR#	
California		State:	California	
95670-		State Cert. No.:	1903	
ph: (916) 638-2765	fax: (916) 638-8385	Date Reported:	1/18/00	

StandardAny data flags or quality control exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Sonia West

West, Sonia
Senior Project Manager

1/18/00
Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

EXXON Company U.S.A.

Certificate of Analysis Number:

00010199

Report To:	Delta Environmental Consultants, Inc. Steven Meeks 3164 Gold Camp Drive, Suite 200 Rancho Cordova California 95670- ph: (916) 638-2765 fax: (916) 638-8385	**Project Name:**	D094-832
		Site:	7-0104,19432522
		Site Address:	1725 Park Street Alameda CA
		PO Number:	EWR#
		State:	California
		State Cert. No.:	1903
Fax To:	*Delta Environmental Consultants, Inc.* *Steven Meeks fax: (916) 638-8385*	**Date Reported:**	1/18/00

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Inf	00010199-01	Water	1/10/00 1:38:00 PM	1/12/00 10:00:00 AM		☐
Mid	00010199-02	Water	1/10/00 1:36:00 PM	1/12/00 10:00:00 AM		☐
Eff	00010199-03	Water	1/10/00 1:33:00 PM	1/12/00 10:00:00 AM		☐

Sonia West

1/18/00

West, Sonia
Senior Project Manager

Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: Inf **Collected:** 1/10/00 1:38:00 **SPL Sample ID:** 00010199-01

Site: 7-0104,19432522

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	120		50		1		01/13/00 16:41	WR	155125
Surr: 1,4-Difluorobenzene	94.4	%	62-144		1		01/13/00 16:41	WR	155125
Surr: 4-Bromofluorobenzene	94.0	%	44-153		1		01/13/00 16:41	WR	155125
PURGEABLE AROMATICS				MCL	SW8021B		Units: ug/L		
Benzene	11		1		1		01/13/00 16:41	WR	155263
Ethylbenzene	1.8		1		1		01/13/00 16:41	WR	155263
Toluene	1.5		1		1		01/13/00 16:41	WR	155263
m,p-Xylene	10		1		1		01/13/00 16:41	WR	155263
o-Xylene	4.5		1		1		01/13/00 16:41	WR	155263
Xylenes,Total	14.5		1		1		01/13/00 16:41	WR	155263
Surr: 1,4-Difluorobenzene	81.7	%	72-137		1		01/13/00 16:41	WR	155263
Surr: 4-Bromofluorobenzene	88.5	%	48-156		1		01/13/00 16:41	WR	155263

Sonia West

West, Sonia
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: Mid | **Collected:** 1/10/00 1:36:00 | **SPL Sample ID:** 00010199-02

Site: 7-0104,19432522

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	ND		50	1		01/13/00 15:54	WR	155115
Surr: 1,4-Difluorobenzene	98.0	%	62-144	1		01/13/00 15:54	WR	155115
Surr: 4-Bromofluorobenzene	97.4	%	44-153	1		01/13/00 15:54	WR	155115
PURGEABLE AROMATICS			MCL	SW8021B		Units: ug/L		
Benzene	ND		1	1		01/13/00 15:54	WR	155257
Ethylbenzene	ND		1	1		01/13/00 15:54	WR	155257
Toluene	ND		1	1		01/13/00 15:54	WR	155257
m,p-Xylene	ND		1	1		01/13/00 15:54	WR	155257
o-Xylene	ND		1	1		01/13/00 15:54	WR	155257
Xylenes,Total	ND		1	1		01/13/00 15:54	WR	155257
Surr: 1,4-Difluorobenzene	88.8	%	72-137	1		01/13/00 15:54	WR	155257
Surr: 4-Bromofluorobenzene	102	%	48-156	1		01/13/00 15:54	WR	155257

Sonia West

West, Sonia
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: Eff | **Collected:** 1/10/00 1:33:00 | **SPL Sample ID:** 00010199-03

Site: 7-0104,19432522

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	ND		50		1		01/13/00 16:17	WR	155116
Surr: 1,4-Difluorobenzene	96.9	%	62-144		1		01/13/00 16:17	WR	155116
Surr: 4-Bromofluorobenzene	97.5	%	44-153		1		01/13/00 16:17	WR	155116
PURGEABLE AROMATICS				MCL	SW8021B		Units: ug/L		
Benzene	ND		1		1		01/13/00 16:17	WR	155260
Ethylbenzene	ND		1		1		01/13/00 16:17	WR	155260
Toluene	ND		1		1		01/13/00 16:17	WR	155260
m,p-Xylene	ND		1		1		01/13/00 16:17	WR	155260
o-Xylene	ND		1		1		01/13/00 16:17	WR	155260
Xylenes,Total	ND		1		1		01/13/00 16:17	WR	155260
Surr: 1,4-Difluorobenzene	89.1	%	72-137		1		01/13/00 16:17	WR	155260
Surr: 4-Bromofluorobenzene	101	%	48-156		1		01/13/00 16:17	WR	155260

Sonia West

West, Sonia
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Gasoline Range Organics
Method: CA_GRO

WorkOrder: 00010199
Lab Batch ID: R7439

Method Blank

RunID: HP_N_000113A-155099 Units: mg/L
Analysis Date: 01/13/2000 10:59 Analyst: WR

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00010199-01A	Inf
00010199-02A	Mid
00010199-03A	Eff

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	96.4	62-144
Surr: 4-Bromofluorobenzene	99.6	44-153

Laboratory Control Sample (LCS)

RunID: HP_N_000113A-155098 Units: mg/L
Analysis Date: 01/13/2000 10:35 Analyst: WR

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.99	99	64	131

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00010199-03
RunID: HP_N_000113A-155100 Units: mg/L
Analysis Date: 01/13/2000 14:18 Analyst: WR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	1.1	121	0.9	1.1	117	3.29	36	36	160

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 00010199
Lab Batch ID: R7448

Method Blank

RunID: HP_N_000113B-155246 Units: ug/L
Analysis Date: 01/13/2000 10:59 Analyst: WR

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00010199-01A	Inf
00010199-02A	Mid
00010199-03A	Eff

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	89.2	72-137
Surr: 4-Bromofluorobenzene	101.1	48-156

Laboratory Control Sample (LCS)

RunID: HP_N_000113B-155243 Units: ug/L
Analysis Date: 01/13/2000 10:11 Analyst: WR

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	49	98	61	119
Ethylbenzene	50	49	98	70	118
Toluene	50	48	96	65	125
m,p-Xylene	100	99	99	72	116
o-Xylene	50	47	93	72	117
Xylenes,Total	150	146	97	72	117

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00010199-02
RunID: HP_N_000113B-155249 Units: ug/L
Analysis Date: 01/13/2000 13:30 Analyst: WR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	21	103	20	21	105	1.84	21	32	164
Ethylbenzene	ND	20	21	104	20	21	106	2.34	19	52	142
Toluene	ND	20	21	104	20	21	105	0.567	20	38	159
m,p-Xylene	ND	40	43	107	40	43	108	1.31	17	53	144
o-Xylene	ND	20	21	103	20	21	103	.0338	18	53	143

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 00010199
Lab Batch ID: R7448

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00010199-02
RunID: HP_N_000113B-155249 Units: ug/L
Analysis Date: 01/13/2000 13:30 Analyst: WR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Xylenes,Total	ND	60	64	107	60	64	107	0	18	53	144

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution

Chain of Custody

And

Sample Receipt Checklist

EXXON COMPANY, USA. 00010199 (West Coast)

CHAIN OF CUSTODY RECORD NO. _____ Page 1 of 1

Exxon Engineer: Marla Ouerfelder Phone: _____

Consultant Co. Name Delta Enviro Contact: Steve Meeks

Address: 3164 Gold Camp Fax: _____

RAS #: 7-6104 Facility/State ID # (TN Only): _____

AFE # (Terminal Only): _____ Consultant Project #: D094-832

Location: Alameda (city) (City) Alameda (State) CA
☐ EE ☐ C&M ☐ SDT

Consultant Work Release #: 19432522

Sampled By: James Schultz

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H_2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	TPH/GC 8015 GRO ☐	TPH/GC 8015 DRO ☐	BTEX 8020 ☐	602 ☐	MTBE 8020 ☐ 8260 ☐	OXYGENATES (7) 8260 ☐	O&G IR 413.1 ☐ GRAV. 413.2 ☐	VOL. 8260 ☐ 624 ☐	SEMI-VOL 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB/PEST 8081/8082 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMIVOA ☐ PEST ☐ HERB ☐	METALS, TOTAL ☐ METALS, TCLP ☐	LEAD, TOTAL 239.1 ☐ 7421 ☐ LEAD, TCLP ☐	LEAD, DISSOLVED ☐ LEAD TOTAL ☐	REACTIVITY ☐ CORROSIVITY ☐ FLASH POINT ☐	PURGEABLE HYDROCARBON 8010 ☐ 601 ☐	TPH/IR 418.1 ☐	TOX/TOH ☐
Inf	1-10-00	1330		X	X				HCL			X		X																
Mid	1-10-00	1336		X	X				HCL			X		X																
Eff	1-10-00	1333		X	X				HCL			X		X																

TAT
24 HR. ____* 72 HR. ____*
48 HR. ____* 96 HR. ____*
8 Business ____ *Contact US Prior to Sending Sample
Other ____

EXXON UST CONTRACT NO. C41483

QA/QC Level
Standard ☒ CLP ☐ Other ☐ _____

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)
PDF ☐ ☐ EDD
FAX ☐ ☐ FAX C-O-C W/REPORT

REMARKS:

LAB USE ONLY Lot # Storage Location
100 NW 500
WORK ORDER # 00010199 LAB WORK RELEASE #:

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler:	1-11-00		Received By:
Relinquished:			Received By:
Relinquished:	1-12-00	1000	Received By: Way Bill #: 814372953736 Cooler Temp: 3.6

Triplicate: Original • White Lab's Copy • Green Client Copy • Yellow

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	00010199	Received by:	Turnell, Randy
Date and Time Received:	1/12/00 10:00:00 AM	Carrier name:	FedEx
Temperature:	3 c		

Shipping container/cooler in good condition?	Yes	☑	No	☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes	☑	No	☐	Not Present ☐
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present ☑
Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Samples in proper container/bottle?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	
All samples received within holding time?	Yes	☑	No	☐	
Container/Temp Blank temperature in compliance?	Yes	☑	No	☐	
Water - VOA vials have zero headspace?	Yes	☑	No	☐	Not Present ☐
Water - pH acceptable upon receipt?	Yes	☑	No	☐	

ENCLOSURE F

Soil Vapor Extraction
Laboratory Analytical Reports

94-832

Sequoia Analytical
1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

September 14, 1999

RECEIVED
SEP 16 1999
By

Jim Brownell
Delta Environmental Consultants
3164 Gold Camp Dr., Suite 200
Rancho Cordova, CA 95670

RE: Exxon/P909197

Dear Jim Brownell:

Enclosed are the results of analyses for sample(s) received by the laboratory on September 10, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Matt Sakai
Project Manager

CA ELAP Certificate Number I-2374

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Delta Environmental Consultants	Project:	Exxon	Sampled: 9/7/99
1164 Gold Camp Dr., Suite 200	Project Number:	7-0104/D094-832	Received: 9/10/99
Rancho Cordova, CA 95670	Project Manager:	Jim Brownell	Reported: 9/14/99

ANALYTICAL REPORT FOR P909197

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
Effluent Air	P909197-01	Air	9/7/99
Mid Air	P909197-02	Air	9/7/99
Influent Air	P909197-03	Air	9/7/99

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Delta Environmental Consultants	Project:	Exxon	Sampled: 9/7/99
3164 Gold Camp Dr., Suite 200	Project Number:	7-0104/D094-832	Received: 9/10/99
Rancho Cordova, CA 95670	Project Manager:	Jim Brownell	Reported: 9/14/99

Sample Description: **Effluent Air**
Laboratory Sample Number: **P909197-01**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9090214	9/9/99	9/9/99		10.0	13.2	ug/l	
Gasoline (ppmv, MW 86.2)	"	"	"		2.84	**3.74**	ppmv	
Benzene	"	"	"		0.100	ND	ug/l	
Benzene (ppmv)	"	"	"		0.0314	ND	ppmv	
Toluene	"	"	"		0.100	ND	ug/l	
Toluene (ppmv)	"	"	"		0.0266	ND	ppmv	
Ethylbenzene	"	"	"		0.100	ND	ug/l	
Ethylbenzene (ppmv)	"	"	"		0.0230	ND	ppmv	
Xylenes (total)	"	"	"		0.100	ND	ug/l	
Xylenes (total) (ppmv)	"	"	"		0.0230	ND	ppmv	
Methyl tert-butyl ether (ppmv)	"	"	"		0.111	**0.115**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*104*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*96.3*	"	

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Delta Environmental Consultants	Project:	Exxon	Sampled: 9/7/99
3164 Gold Camp Dr., Suite 200	Project Number:	7-0104/D094-832	Received: 9/10/99
Rancho Cordova, CA 95670	Project Manager:	Jim Brownell	Reported: 9/14/99

Sample Description: **Mid Air**
Laboratory Sample Number: **P909197-02**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9090214	9/9/99	9/9/99		10.0	**21.9**	ug/l	
Gasoline (ppmv, MW 86.2)	"	"	"		2.84	**6.23**	ppmv	
Benzene	"	"	"		0.100	ND	ug/l	
Benzene (ppmv)	"	"	"		0.0314	ND	ppmv	
Toluene	"	"	"		0.100	ND	ug/l	
Toluene (ppmv)	"	"	"		0.0266	ND	ppmv	
Ethylbenzene	"	"	"		0.100	ND	ug/l	
Ethylbenzene (ppmv)	"	"	"		0.0230	ND	ppmv	
Xylenes (total)	"	"	"		0.100	ND	ug/l	
Xylenes (total) (ppmv)	"	"	"		0.0230	ND	ppmv	
Methyl tert-butyl ether (ppmv)	"	"	"		0.111	**1.08**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*108*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*96.3*	"	

**Refer to end of report for text of notes and definitions.*

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Delta Environmental Consultants	Project:	Exxon	Sampled: 9/7/99
1164 Gold Camp Dr., Suite 200	Project Number:	7-0104/D094-832	Received: 9/10/99
Rancho Cordova, CA 95670	Project Manager:	Jim Brownell	Reported: 9/14/99

Sample Description: **Influent Air**
Laboratory Sample Number: **P909197-03**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9090214	9/9/99	9/9/99		10.0	**37.5**	ug/l	
Gasoline (ppmv, MW 86.2)	"	"	"		2.84	**10.6**	ppmv	
Benzene	"	"	"		0.100	**0.129**	ug/l	
Benzene (ppmv)	"	"	"		0.0314	**0.0403**	ppmv	
Toluene	"	"	"		0.100	**0.433**	ug/l	1
Toluene (ppmv)	"	"	"		0.0266	**0.115**	ppmv	
Ethylbenzene	"	"	"		0.100	**0.153**	ug/l	
Ethylbenzene (ppmv)	"	"	"		0.0230	**0.0353**	ppmv	
Xylenes (total)	"	"	"		0.100	**0.346**	ug/l	
Xylenes (total) (ppmv)	"	"	"		0.0230	**0.0798**	ppmv	
Methyl tert-butyl ether (ppmv)	"	"	"		0.111	**1.70**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*107*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*97.3*	"	

**Refer to end of report for text of notes and definitions.*

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Delta Environmental Consultants	Project:	Exxon	Sampled: 9/7/99
3164 Gold Camp Dr., Suite 200	Project Number:	7-0104/D094-832	Received: 9/10/99
Rancho Cordova, CA 95670	Project Manager:	Jim Brownell	Reported: 9/14/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9090214	**Date Prepared: 9/9/99**					**Extraction Method: EPA 5030 waters**				
Blank	9090214-BLK1									
Gasoline	9/9/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*349*	"	*65.0-135*	*116*			
Surrogate: 4-Bromofluorobenzene	"	*300*		*285*	"	*65.0-135*	*95.0*			
LCS	9090214-BS1									
Gasoline	9/9/99	1000		936	ug/l	65.0-135	93.6			
Surrogate: 4-Bromofluorobenzene	"	*300*		*284*	"	*65.0-135*	*94.7*			
Matrix Spike	9090214-MS1		P909139-17							
Gasoline	9/9/99	1000	ND	860	ug/l	65.0-135	**86.0**			
Surrogate: 4-Bromofluorobenzene	"	*300*		*274*	"	*65.0-135*	*91.3*			
Matrix Spike Dup	9090214-MSD1		P909139-17							
Gasoline	9/9/99	1000	ND	894	ug/l	65.0-135	**89.4**	20.0	**3.88**	
Surrogate: 4-Bromofluorobenzene	"	*300*		*282*	"	*65.0-135*	*94.0*			

Sequoia Analytical

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(707) 792-1865
FAX (707) 792-0342

Delta Environmental Consultants	Project: Exxon	Sampled: 9/7/99
8164 Gold Camp Dr., Suite 200	Project Number: 7-0104/D094-832	Received: 9/10/99
Rancho Cordova, CA 95670	Project Manager: Jim Brownell	Reported: 9/14/99

Notes and Definitions

#	Note
1	Results between the primary and confirmation columns varied by greater than 40% RPD.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

Sequoia Analytical
680 Chesapeake Dr.
Redwood City, CA 94063
(650) 364-9600 • FAX (650) 364-9233

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Consultant's Name: Delta Environmental Consultants, Inc.			**Page** 1 **of** 1
Address: 3164 Gold Camp Dr. #200 Rancho Cordova CA 95670			**Site Location:** Alameda C
Project #: 7-0104	**Consultant Project #:** D094-832		**Consultant Work Release #:** 94/32522
Project Contact: Jim Brownell	**Phone #:** 916 638 2085		**Laboratory Work Release #:**
EXXON Contact: Marla Swensler	**Phone #:**		**EXXON RAS #:** 7-0104
Sampled by (print): Martin Morgan	**Sampler's Signature:**		
Shipment Method: Sequoia Courier	**Air Bill #:**		

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

ANALYSIS REQUIRED

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520			Temperature: Ambient Inbound Seal: Yes No Outbound Seal: Yes No
effluent Air	9/7/99	0643	Air	—	1	990197-01	X					
Mid Air	9/7/99	0645	Air	—	1	-02	X					
Influent Air	9/7/99	0647	Air	—	1	-03	X					

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Delta	9/8/99	0805		9/8	8:05	
	9/8	8:50	Lisa Ayers	9/8	0850	
Lisa Ayers	9/8/99			9-8	1245	

Pink - Client
Yellow - Sequoia
White - Sequoia

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:

EXXON Company U.S.A.

Certificate of Analysis Number:

99100172

Report To:		Project Name:	D094-832	
Delta Environmental Consultants, Inc.		Site:	7-0104,19432522	
Jim R. Brownell, R.G.		Site Address:	1725 Park Street	
3164 Gold Camp Drive, Suite 200			Alameda	CA
Rancho Cordova		PO Number:	EWR#19911931	
California		State:	California	
95670-		State Cert. No.:	1903	
ph: (916) 638-2765	fax: (916) 638-8385	Date Reported:		

Any data flags or quality control exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Wyatt, Neaundra
Project Manager

11/4/99
Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

EXXON Company U.S.A.

Certificate of Analysis Number:

99100172

Report To:		Project Name:	D094-832
Delta Environmental Consultants, Inc.		Site:	7-0104,19432522
Jim R. Brownell, R.G.		Site Address:	1725 Park Street
3164 Gold Camp Drive, Suite 200			Alameda CA
Rancho Cordova		PO Number:	EWR#19911931
California		State:	California
95670-		State Cert. No.:	1903
ph: (916) 638-2765 fax: (916) 638-8385		Date Reported:	11/5/99

Client Sample ID: Effluent Air **SPL Sample ID:** 99100172-01A

Analyte	mg/m³		ppm(v)	
	Result	PQL	Result	PQL
Benzene	ND	1.0	ND	0.31
Ethylbenzene	ND	1.0	ND	0.23
m,p-Xylene	ND	1.0	ND	0.23
Methyl tert-butyl ether	ND	1.0	ND	0.27
o-Xylene	ND	1.0	ND	0.23
Toluene	ND	1.0	ND	0.26
Xylenes,Total	ND	1.0	ND	0.23
TPH Air	ND	10	ND	2.8

Client Sample ID: Influent Air **SPL Sample ID:** 99100172-03A

Analyte	mg/m³		ppm(v)	
	Result	PQL	Result	PQL
Methyl tert-butyl ether	4.3	1.0	1.2	0.27
TPH Air	52	10	15	2.8
Benzene	1	1.0	0.31	0.31
m,p-Xylene	3.5	1.0	0.80	0.23
o-Xylene	3.1	1.0	0.70	0.23
Toluene	2.3	1.0	0.60	0.26
Xylenes,Total	6.6	1.0	1.5	0.23
Ethylbenzene	3.5	1.0	0.80	0.23

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
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EXXON Company U.S.A.

Certificate of Analysis Number:

99100172

Report To:

Delta Environmental Consultants, Inc.
Jim R. Brownell, R.G.
3164 Gold Camp Drive, Suite 200

Rancho Cordova
California
95670-
ph: (916) 638-2765 fax: (916) 638-8385

Project Name:	D094-832
Site:	7-0104,19432522
Site Address:	1725 Park Street
	Alameda CA
PO Number:	EWR#19911931
State:	California
State Cert. No.:	1903
Date Reported:	11/5/99

Client Sample ID: Mid Air SPL Sample ID: 99100172-02A

Analyte	mg/m³		ppm(v)	
	Result	PQL	Result	PQL
Xylenes,Total	ND	1.0	ND	0.23
TPH Air	ND	10	ND	2.8
Benzene	ND	1.0	ND	0.31
Ethylbenzene	ND	1.0	ND	0.23
m,p-Xylene	ND	1.0	ND	0.23
Methyl tert-butyl ether	ND	1.0	ND	0.27
o-Xylene	ND	1.0	ND	0.23
Toluene	ND	1.0	ND	0.26

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

EXXON Company U.S.A.

Certificate of Analysis Number:

99100172

Report To:		Project Name:	D094-832	
Delta Environmental Consultants, Inc.		Site:	7-0104,19432522	
Jim R. Brownell, R.G.		Site Address:	1725 Park Street	
3164 Gold Camp Drive, Suite 200			Alameda	CA
Rancho Cordova		PO Number:	EWR#19911931	
California		State:	California	
95670-		State Cert. No.:	1903	
ph: (916) 638-2765	fax: (916) 638-8385	Date Reported:		

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Effluent Air	99100172-01	Air	10/12/99 10:06:00 AM	10/13/99 10:00:00 AM		☐
M Air	99100172-02	Air	10/12/99 10:08:00 AM	10/13/99 10:00:00 AM		☐
Influent Air	99100172-03	Air	10/12/99 10:10:00 AM	10/13/99 10:00:00 AM		☐

11/4/99

Date

Watt, Neaundra
Project Manager

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
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Client Sample ID Effluent Air **Collected:** 10/12/99 10:06:0 **SPL Sample ID:** 99100172-01

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PURGEABLE AROMATICS IN AIR			**SW8020A**		**Units: mg/m³**		
Benzene	ND	1.0	1		10/13/99 23:15	DO	76061
Ethylbenzene	ND	1.0	1		10/13/99 23:15	DO	76061
Methyl tert-butyl ether	ND	1.0	1		10/13/99 23:15	DO	76061
Toluene	ND	1.0	1		10/13/99 23:15	DO	76061
m,p-Xylene	ND	1.0	1		10/13/99 23:15	DO	76061
o-Xylene	ND	1.0	1		10/13/99 23:15	DO	76061
Xylenes,Total	ND	1.0	1		10/13/99 23:15	DO	76061
Surr: 1,4-Difluorobenzene	98	59-127	1		10/13/99 23:15	DO	76061
Surr: 4-Bromofluorobenzene	110	48-156	1		10/13/99 23:15	DO	76061
TOTAL PETROLEUM PRODUCT IN AIR			**SW8015B**		**Units: mg/m³**		
TPH Air	ND	10	1		10/13/99 23:15	DO	76072
Surr: 1,4-Difluorobenzene	98	62-144	1		10/13/99 23:15	DO	76072
Surr: 4-Bromofluorobenzene	99	44-153	1		10/13/99 23:15	DO	76072

Neaundra Wyatt

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID Mid Air **Collected:** 10/12/99 10:08:0 **SPL Sample ID:** 99100172-02

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PURGEABLE AROMATICS IN AIR			**SW8020A**		**Units: mg/m³**		
Benzene	ND	1.0	1		10/13/99 23:45	DO	76062
Ethylbenzene	ND	1.0	1		10/13/99 23:45	DO	76062
Methyl tert-butyl ether	ND	1.0	1		10/13/99 23:45	DO	76062
Toluene	ND	1.0	1		10/13/99 23:45	DO	76062
m,p-Xylene	ND	1.0	1		10/13/99 23:45	DO	76062
o-Xylene	ND	1.0	1		10/13/99 23:45	DO	76062
Xylenes,Total	ND	1.0	1		10/13/99 23:45	DO	76062
Surr: 1,4-Difluorobenzene	99	59-127	1		10/13/99 23:45	DO	76062
Surr: 4-Bromofluorobenzene	100	48-156	1		10/13/99 23:45	DO	76062
TOTAL PETROLEUM PRODUCT IN AIR			**SW8015B**		**Units: mg/m³**		
TPH Air	ND	10	1		10/13/99 23:45	DO	76073
Surr: 1,4-Difluorobenzene	98	62-144	1		10/13/99 23:45	DO	76073
Surr: 4-Bromofluorobenzene	98	44-153	1		10/13/99 23:45	DO	76073

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
- HOUSTON, TEXAS 77054
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Client Sample ID Influent Air **Collected:** 10/12/99 10:10:0 **SPL Sample ID:** 99100172-03

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PURGEABLE AROMATICS IN AIR			**SW8020A**		**Units: mg/m³**		
Benzene	1	1.0	1		10/15/99 18:20	DO	76075
Ethylbenzene	3.5	1.0	1		10/15/99 18:20	DO	76075
Methyl tert-butyl ether	4.3	1.0	1		10/15/99 18:20	DO	76075
Toluene	2.3	1.0	1		10/15/99 18:20	DO	76075
m,p-Xylene	3.5	1.0	1		10/15/99 18:20	DO	76075
o-Xylene	3.1	1.0	1		10/15/99 18:20	DO	76075
Xylenes,Total	6.6	1.0	1		10/15/99 18:20	DO	76075
Surr: 1,4-Difluorobenzene	110	59-127	1		10/15/99 18:20	DO	76075
Surr: 4-Bromofluorobenzene	110	48-156	1		10/15/99 18:20	DO	76075
TOTAL PETROLEUM PRODUCT IN AIR			**SW8015B**		**Units: mg/m³**		
TPH Air	52	10	1		10/15/99 18:20	DO	79667
Surr: 1,4-Difluorobenzene	100	62-144	1		10/15/99 18:20	DO	79667
Surr: 4-Bromofluorobenzene	100	44-153	1		10/15/99 18:20	DO	79667

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Purgeable Aromatics
Method: SW8020A

WorkOrder: 99100172
Lab Batch ID: R3601

Method Blank

RunID: HP_P_991012A-76043 Units: mg/m³
Analysis Date: 10/12/1999 21:54 Analyst: DO

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99100172-01A	Effluent Air
99100172-02A	Mid Air
99100172-03A	Influent Air

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	98.3	59-127
Surr: 4-Bromofluorobenzene	95.2	48-156

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_P_991012A-76044 Units: mg/m³
Analysis Date: 10/12/1999 23:15 Analyst: DO

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzene	64	63	99	64	58	90	9.6	34	60	116
Ethylbenzene	88	81	92	88	72	82	11.6	35	64	125
Methyl tert-butyl ether	364	260	72	364	420	117	47.7	30	64	126
Toluene	80	72	90	80	65	81	10.8	30	61	122
m,p-Xylene	88	79	90	88	71	80	11.4	35	60	125
o-Xylene	88	76	87	88	71	81	7.2	35	60	125
Xylenes,Total	176	155	88	176	142	81	8.8	35	60	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 99100172
Lab Batch ID: R3602

Method Blank

RunID: HP_P_991012B-76064 Units: mg/m³
Analysis Date: 10/12/1999 21:54 Analyst: DO

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99100172-01A	Effluent Air
99100172-02A	Mid Air
99100172-03A	Influent Air

Analyte	Result	Rep Limit
TPH Air	ND	10
Surr: 1,4-Difluorobenzene	97.5	62-144
Surr: 4-Bromofluorobenzene	91.1	44-153

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_P_991012B-76065 Units: mg/m³
Analysis Date: 10/12/1999 23:15 Analyst: DO

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
TPH Air	770	440	57	770	440	57	0.1	30	40	140

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

Chain of Custody

And

Sample Receipt Checklist

EXXON COMPANY, USA.

CHAIN OF CUSTODY RECORD NO. 99100172 Page 1 of 1

Exxon Engineer: Marla Guensler Phone:
Consultant Co. Name: Delta Env. Cons. Contact: Jim Brownell
Address: 3164 Gold Camp Dr. Phone: 916 638-2085
Rancho Cordova, CA 95670 Fax:
RAS #: 7-0104 Facility/State ID # (TN Only):
AFE # (Terminal Only): Consultant Project #: D094-832
Location: (City): Alameda (State): CA
☐ EE ☐ C & M ☐ SDT
Consultant Work Release #: 19432522
Sampled By: Martin Morgen

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	BTEX 8020 WITH MTBE ☐ 602 ☐	PURGEABLE HALOCARBON 8010 ☐ 601 ☐	TPH/IR 418.1 ☐	O&G IR 413.1 ☐ GRAV. 413.2 ☐	TPH/GC 8015 GRO	8015 DRO ☐	VOL 8240 ☐ 624 ☐	SEMI-VOL 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB/PEST 8080 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMI-VOA ☐ PEST ☐ HERB ☐	METALS, TOTAL ☐ METALS, TCLP ☐	LEAD, TOTAL 239.1 ☐ 7421 ☐ LEAD, TCLP ☐	TOX/TOH ☐	REACTIVITY ☐ CORROSIVITY ☐ IGNITABILITY ☐	OTHER: STATE
effluent Air	10/12/99	1006		X			X			1	1L	X				X											CA
Mid Air	10/12/99	1008		X			X			1	1L	X				X											CA
Influent Air	10/12/99	1010		X			X			1	1L	X				X											CA

RUSH

TAT
24 HR. ___* 72 Hr. ___*
48 HR. ___* 96 Hr. ___*
Standard X
Other ___
*Contact US Prior to Sending Sample

EXXON UST CONTRACT NO. S02317M01

QA/QC Level
Standard ☐ CLP ☐ Other ☐

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

FAX ☐ ☐ FAX C-O-C W/REPORT

REMARKS: ambient

FED EX: 814372888050

LAB USE ONLY Lot # NW Storage Location 90

WORK ORDER #: 99100172 LAB WORK RELEASE #:

CUSTODY RECORD

	Relinquished By Sampler:	Date	Time	Received By:
		10/12/99	1411	
	Relinquished By:	Date	Time	Received By:
	Relinquished By:	Date	Time	Received By Laboratory:

[redacted] Bill #: [redacted] Cooler Temp: [redacted]

SHIP SAMPLES BACK TO: SPL INCORPORATED

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	99100172	Received by:	Stelly, D'Anna
Date and Time Received:	10/13/99 10:00:00 AM	Carrier name:	FedEx
Temperature:	Ambient		

Shipping container/cooler in good condition?	Yes	☑	No	☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes	☐	No	☐	Not Present ☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present ☑
Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Samples in proper container/bottle?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	
All samples received within holding time?	Yes	☑	No	☐	
Container/Temp Blank temperature in compliance?	Yes	☑	No	☐	
Water - VOA vials have zero headspace?	Yes	☐	No	☐	Not Present ☑
Water - pH acceptable upon receipt?	Yes	☐	No	☑	

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:

EXXON Company U.S.A.

Certificate of Analysis Number:

99120273

Report To:		Project Name:	D094-832	
Delta Environmental Consultants, Inc.		Site:	7-0104, 19432522	
Steven Meeks		Site Address:	1725 Park. St.	
3164 Gold Camp Drive, Suite 200			Alameda	CA
Rancho Cordova		PO Number:		
California		State:	California	
95670-		State Cert. No.:	1903	
ph: (916) 638-2765	fax: (916) 638-8385	Date Reported:		

Any data flags or quality control exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Sonia West

for Wyatt, Neaundra
Project Manager

12/17/99
Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

EXXON Company U.S.A.

Certificate of Analysis Number:

99120273

Report To:	Delta Environmental Consultants, Inc. Steven Meeks 3164 Gold Camp Drive, Suite 200 Rancho Cordova California 95670- ph: (916) 638-2765 fax: (916) 638-8385	**Project Name:**	D094-832
		Site:	7-0104, 19432522
		Site Address:	1725 Park. St. Alameda CA
		PO Number:	
		State:	California
		State Cert. No.:	1903
Fax To:	*Delta Environmental Consultants, Inc.* *Steven Meeks fax: (916) 638-8385*	**Date Reported:**	

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
INF Air	99120273-01	Air	12/9/99 7:35:00 AM	12/10/99 10:00:00 AM		☐
D Air	99120273-02	Air	12/9/99 7:23:00 AM	12/10/99 10:00:00 AM		☐
FF Air	99120273-03	Air	12/9/99 7:19:00 AM	12/10/99 10:00:00 AM		☐

12/17/99

Date

Wyatt, Neaundra
Project Manager

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: INF Air **Collected:** 12/9/99 7:35:00 **SPL Sample ID:** 99120273-01

Site: 7-0104, 19432522

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PURGEABLE AROMATICS IN AIR			MCL	SW8020A		Units: mg/m³		
Benzene	3.2		1.0	1		12/13/99 16:15	FB	129947
Toluene	21		1.0	1		12/13/99 16:15	FB	129947
Ethylbenzene	2.7		1.0	1		12/13/99 16:15	FB	129947
m,p-Xylene	6		1.0	1		12/13/99 16:15	FB	129947
o-Xylene	3.3		1.0	1		12/13/99 16:15	FB	129947
Xylenes,Total	9.3		1.0	1		12/13/99 16:15	FB	129947
Surr: 1,4-Difluorobenzene	99	%	20-150	1		12/13/99 16:15	FB	129947
Surr: 4-Bromofluorobenzene	96	%	58-139	1		12/13/99 16:15	FB	129947
TOTAL PETROLEUM PRODUCT IN AIR			MCL	SW8015B		Units: mg/m³		
TPH Air	290		50	5		12/10/99 19:41	FB	129475
Surr: 1,4-Difluorobenzene	96	%	62-144	5		12/10/99 19:41	FB	129475
Surr: 4-Bromofluorobenzene	92	%	44-153	5		12/10/99 19:41	FB	129475

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: MID Air **Collected:** 12/9/99 7:23:00 **SPL Sample ID:** 99120273-02

Site: 7-0104, 19432522

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PURGEABLE AROMATICS IN AIR			MCL	SW8020A		Units: mg/m³		
Benzene	ND		1.0	1		12/11/99 0:43	FB	129545
Toluene	ND		1.0	1		12/11/99 0:43	FB	129545
Ethylbenzene	ND		1.0	1		12/11/99 0:43	FB	129545
m,p-Xylene	ND		1.0	1		12/11/99 0:43	FB	129545
o-Xylene	ND		1.0	1		12/11/99 0:43	FB	129545
Xylenes,Total	ND		1.0	1		12/11/99 0:43	FB	129545
Surr: 1,4-Difluorobenzene	100	%	20-150	1		12/11/99 0:43	FB	129545
Surr: 4-Bromofluorobenzene	94	%	58-139	1		12/11/99 0:43	FB	129545
TOTAL PETROLEUM PRODUCT IN AIR			MCL	SW8015B		Units: mg/m³		
TPH Air	ND		10	1		12/11/99 0:43	FB	129623
Surr: 1,4-Difluorobenzene	98	%	62-144	1		12/11/99 0:43	FB	129623
Surr: 4-Bromofluorobenzene	92	%	44-153	1		12/11/99 0:43	FB	129623

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: EFF Air **Collected:** 12/9/99 7:19:00 **SPL Sample ID:** 99120273-03

Site: 7-0104, 19432522

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PURGEABLE AROMATICS IN AIR				MCL	SW8020A		Units: mg/m³		
Benzene	ND		1.0		1		12/11/99 1:14	FB	129572
Toluene	ND		1.0		1		12/11/99 1:14	FB	129572
Ethylbenzene	ND		1.0		1		12/11/99 1:14	FB	129572
m,p-Xylene	ND		1.0		1		12/11/99 1:14	FB	129572
o-Xylene	ND		1.0		1		12/11/99 1:14	FB	129572
Xylenes,Total	ND		1.0		1		12/11/99 1:14	FB	129572
Surr: 1,4-Difluorobenzene	100	%	20-150		1		12/11/99 1:14	FB	129572
Surr: 4-Bromofluorobenzene	100	%	58-139		1		12/11/99 1:14	FB	129572
TOTAL PETROLEUM PRODUCT IN AIR				MCL	SW8015B		Units: mg/m³		
TPH Air	ND		10		1		12/11/99 1:14	FB	129624
Surr: 1,4-Difluorobenzene	98	%	62-144		1		12/11/99 1:14	FB	129624
Surr: 4-Bromofluorobenzene	95	%	44-153		1		12/11/99 1:14	FB	129624

Wyatt, Neaundra
Project Manager

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Total Petroleum Product in Air
Method: SW8015B

WorkOrder: 99120273
Lab Batch ID: R5946

Method Blank

RunID: HP_P_991209B-126925 Units: mg/m³
Analysis Date: 12/09/1999 14:47 Analyst: FB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99120273-01A	INF Air

Analyte	Result	Rep Limit
TPH Air	ND	10
Surr: 1,4-Difluorobenzene	98.8	62-144
Surr: 4-Bromofluorobenzene	93.5	44-153

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_P_991209B-126927 Units: mg/m³
Analysis Date: 12/09/1999 16:46 Analyst: FB

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
TPH Air	770	440	57	770	480	63	9.7	30	40	140

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

D094-832

Analysis: Purgeable Aromatics in Air
Method: SW8020A

WorkOrder: 99120273
Lab Batch ID: R6065

Method Blank

RunID: HP_P_991210A-129511 Units: mg/m³
Analysis Date: 12/10/1999 22:45 Analyst: FB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99120273-01A	INF Air
99120273-02A	MID Air
99120273-03A	EFF Air

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	107.9	20-150
Surr: 4-Bromofluorobenzene	103.1	58-139

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_P_991210A-129480 Units: mg/m³
Analysis Date: 12/10/1999 21:44 Analyst: FB

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzene	64	66	104	64	69	108	4.4	34	37	117
thylbenzene	88	81	92	88	86	98	5.7	35	25	106
oluene	80	74	93	80	76	95	2.4	30	25	113
m,p-Xylene	88	84	95	88	87	99	3.9	35	12	114
o-Xylene	88	86	97	88	87	98	1.1	35	15	109
ylenes,Total	176	170	97	176	174	99	2.3	35	12	114

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution

EXXON COMPANY, USA. 99120273

CHAIN OF CUSTODY RECORD NO. _____ Page 1 of 1

Exxon Engineer: Marla Phone:
Consultant Co. Name: Delta Contact: Steve Meeks
Address: 3164 Gold Camp Dr Phone: 916-536-2613
Rancho Cordova CA Fax: 916 638 8385

RAS #: 7-0104 Facility/State ID # (TN Only):
AFE # (Terminal Only): Consultant Project #: D094-832
Location: Alameda (City): Alameda (State): CA
☐ EE ☐ C & M ☐ SDT
Consultant Work Release #: 19432522
Sampled By: Chris Hill

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H_2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	BTEX 8020 WITH MTBE ☐ 602 ☐	PURGEABLE HALOCARBON 8010 ☐ 601 ☐	TPH/IR 418.1 ☐	O&G IR 413.1 ☐ GRAV. 413.2 ☐	TPH/GC 8015 GRO ☐ 8015 DRO ☐	VOL 8240 ☐ 624 ☐	SEMI-VOL 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB/PEST 8080 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMI-VOA ☐ PEST ☐ HERB ☐	METALS, TOTAL ☐ METALS, TCLP ☐	LEAD, TOTAL 239.1 ☐ 7421 ☐ LEAD, TCLP ☐	TOX/TOH ☐	REACTIVITY ☐ CORROSIVITY ☐ IGNITABILITY ☐	OTHER: STATE
INF Air	12-9-94	0725		X	/		X			1		X				X										
MID Air	"	0723		X			X			1		X				X										
EFF Air	12-9-94	0719		X			X			1		X				X										

RUSH

TAT
24 HR. ___* 72 Hr. ___*
48 HR. ___* 96 Hr. ___*
Standard X *Contact US Prior to Sending Sample
Other ___

EXXON UST CONTRACT NO. S02317M01

QA/QC Level
Standard ☐ CLP ☐ Other ☐ ___

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

FAX ☐ ☐ FAX C-O-C W/REPORT

REMARKS: 6°
8143729 5348

LAB USE ONLY Lot # NW Storage Location
WORK ORDER #: 99120273 100 LAB WORK RELEASE #:

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler:			Received By:
Relinquished By:			Received By:
Relinquished By:	12-10-94	[redacted]	Received By Laboratory:

Way Bill #: [redacted] Cooler Temp: [redacted]

SHIP SAMPLES BACK TO: CPL INCORPORATED

HOUSTON LABORATORY
6880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	99120273	Received by:	Turnell, Randy
Date and Time Received:	12/10/99 10:00:00 AM	Carrier name:	FedEx
Temperature:	6 c		

Shipping container/cooler in good condition?	Yes	☑	No ☐	Not Present	☐
Custody seals intact on shippping container/cooler?	Yes	☐	No ☐	Not Present	☑
Custody seals intact on sample bottles?	Yes	☐	No ☐	Not Present	☑
Chain of custody present?	Yes	☑	No ☐		
Chain of custody signed when relinquished and received?	Yes	☑	No ☐		
Chain of custody agrees with sample labels?	Yes	☑	No ☐		
Samples in proper container/bottle?	Yes	☑	No ☐		
Sample containers intact?	Yes	☑	No ☐		
Sufficient sample volume for indicated test?	Yes	☑	No ☐		
All samples received within holding time?	Yes	☑	No ☐		
Container/Temp Blank temperature in compliance?	Yes	☑	No ☐		
Water - VOA vials have zero headspace?	Yes	☐	No ☐	Not Present	☑
Water - pH acceptable upon receipt?	Yes	☐	No ☑		

Delta
Environmental
Consultants, Inc.

3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670
Phone: (916) 638-2085
Fax: (916) 638-8385

FAX TRANSMITTAL FORM

DATE: 4/28/00

RECIPIENT: Eva Chu

COMPANY: Alameda County Dept of Environ. Health

RECIPIENT FAX NO: 510-337-9335

SENDER: Steve Meeks

NO. OF PAGES TO FOLLOW: 1

SUBJECT: Exxon Site 7-0104

DELTA PROJECT NO: 00-94-832

MESSAGE:

Here is the Table that was missing from the Report (Table 4)

TABLE 4

SVE SYSTEM MONITORING TABLE

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

Date	Inlet Flow Rate (ft^3/min)	Stack Flow Rate (ft^3/min)	SVE TPPH Influent (ppmv)	SVE TPPH Effluent (ppmv)	SVE Benzene Influent (ppmv)	SVE Benzene Effluent (ppmv)	SVE TPPH Extraction Rate (lbs/day)	SVE TPPH Mass Emission (lbs/day)	SVE Benzene Extraction Rate (lbs/day)	SVE Benzene Emission Rate (lbs/day)	Cumulative Volume of Processed Air (cubic feet)	**Cumulative TPPH Extraction (lbs)**	Total Hours Operated	Change in Hours of Operation
02/19/98	48	48	<2.4	<2.4	<0.031	<0.031	< 0.04	< 0.04	< 0.0004	< 0.0004	1.99 E+05	**0.1**	1,652	69
03/03/98	50	50	<2.4	<2.4	<0.031	<0.031	< 0.04	< 0.04	< 0.0005	< 0.0005	7.27 E+05	**0.2**	1,828	176
04/02/98	52	52	<2.4	<2.4	<0.031	<0.031	< 0.04	< 0.04	< 0.0005	< 0.0005	1.85 E+06	**0.5**	2,184	356
05/04/98	131	131	17	<2.4	0.44	<0.031	0.71	< 0.10	0.017	< 0.001	4.63 E+06	**5.8**	2,538	354
06/10/98	131	131	12	<2.4	0.047	<0.031	0.50	< 0.10	0.002	< 0.001	7.79 E+06	**10.0**	2,940	402
07/07/98	131	131	76	<2.4	2.6	<0.031	3.19	< 0.10	0.099	< 0.001	7.79 E+06	**10.0**	2,940	0
08/04/98	131	131	34	10	0.94	<0.031	1.43	0.42	0.036	< 0.001	1.02 E+07	**19.1**	3,248	308
10/20/98	131	131	210	<2.4	6.0	<0.031	8.81	< 0.10	0.228	< 0.001	1.02 E+07	**19.3**	3,249	1
11/09/98	131	131	13	<2.4	0.056	<0.031	0.55	< 0.10	0.002	< 0.001	1.19 E+07	**21.7**	3,464	215
12/08/98	131	131	3.1	<2.4	0.034	<0.031	0.13	< 0.10	0.001	< 0.001	1.45 E+07	**22.7**	3,798	334
01/13/99	131	131	12	<2.4	<0.031	<0.031	0.50	< 0.10	< 0.001	< 0.001	1.82 E+07	**27.5**	4,264	466
02/08/99	131	131	<12.1	<12.1	<0.16	<0.16	< 0.51	< 0.51	< 0.006	< 0.006	2.08 E+07	**31.1**	4,600	336
03/08/99	131	131	2.7	<2.4	<0.031	<0.031	0.11	< 0.10	< 0.001	< 0.001	2.33 E+07	**31.8**	4,919	319
04/05/99	131	131	42.6	<2.84	0.474	<0.031	1.79	< 0.12	0.018	< 0.001	2.36 E+07	**33.3**	4,957	38
05/06/99	131	131	11.84	4.71	0.087	<0.031	0.50	0.20	0.003	< 0.001	2.77 E+07	**38.6**	5,470	513
05/26/99	131	131	11.98*	11.98	NS	<0.031	0.50	0.50	NC	< 0.001	3.03 E+07	**42.0**	5,799	329
08/09/99	118	118	240	<2.84	1.60	<0.031	9.05	< 0.11	0.055	< 0.001	3.03 E+07	**42.0**	5,799	0
09/07/99	109	109	10.6	3.74	0.04	<0.031	0.37	0.13	0.001	< 0.001	3.34 E+07	**45.7**	6,275	476
10/12/99	122	122	15	<2.8	0.31	<0.31	0.59	< 0.11	0.011	< 0.011	3.60 E+07	**50.1**	6,638	363
12/09/99	109	109	82	<2.8	1.00	<0.31	2.86	< 0.10	0.032	< 0.010	3.64 E+07	**53.0**	6,686	48
02/08/00	109	109	31	<2.8	0.59	<0.31	1.08	< 0.10	0.019	< 0.010	3.86 E+07	**60.8**	7,030	344

TPPH = Total purgeable petroleum hydrocarbons.
ppmv = Parts per million by volume.
NS = Not Sampled
NC = Not Calculated

* = Value for 5/26/99 Influent Concentration assumed to be equal to the effluent value since an influent sample was not collected.