ExxonMobil
Refining and Supply Company
Downstream - Safety, Health & Environment
Environmental Remediation

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Darin L. Rouse
Senior Engineer
Environmental Remediation

ExxonMobil
Refining & Supply

September 18, 2000

Ms. Eva Chu
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

RE: Former Exxon RAS #7-0104/1725 Park Street, Alameda, California.

Dear Ms. Chu:

Attached for your review and comment is a letter report entitled ***Quarterly Groundwater Monitoring and Remediation Status Report, Third Quarter 2000***, dated September 11, 2000, for the above referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Novato, California, and presents the results of quarterly groundwater monitoring, sampling, and remedial activities at the subject site.

If you have any questions or comments, please contact me at (925) 246-8768.

Sincerely,

Darin L. Rouse
Senior Engineer

Attachment: ERI's Quarterly Groundwater Monitoring and Remediation Status Report, Third Quarter 2000, dated September 11, 2000.

cc: w/ attachment
Mr. Stephen Hill, California Regional Water Quality Control Board, San Francisco Bay Region

w/o attachment
Mr. James F. Chappell, Environmental Resolutions, Inc.

ENVIRONMENTAL RESOLUTIONS, INC.

September 11, 2000
ERI 250611.R02

Mr. Darin L. Rouse
ExxonMobil Refining and Supply
P.O. Box 4032
Concord, California 94524-4032

Subject: Quarterly Groundwater Monitoring and Remediation Status Report, Third Quarter 2000, Former Exxon Service Station 7-0104, 1725 Park Street, Alameda, California.

Mr. Rouse:

At the request of ExxonMobil Refining and Supply (formerly known as Exxon Company, U.S.A.) (ExxonMobil), Environmental Resolutions, Inc. (ERI) performed the third quarter 2000 groundwater monitoring and sampling activities at the subject site. The location of the site is shown on the Site Vicinity Map (Plate 1). The purpose of quarterly monitoring and sampling is to evaluate concentrations of dissolved hydrocarbons in groundwater and the effectiveness of remedial actions. The locations of selected site features are shown on the Generalized Site Plan (Plate 2).

GROUNDWATER MONITORING AND SAMPLING

On July 5, 2000, ERI measured the depth to water (DTW) and collected groundwater samples from select wells for laboratory analysis. Groundwater monitoring and sampling were performed in accordance with ERI's groundwater sampling protocol (Attachment A).

Historical and recent monitoring data are summarized in Table 1. Due to ongoing soil and groundwater remediation, the hydraulic gradient and flow direction may be affected, and therefore, were not calculated.

Laboratory Analyses and Results

Groundwater samples were submitted to Southern Petroleum Laboratories, Inc. (SPL), a state-certified laboratory, under Chain of Custody protocol. The samples were analyzed for total purgeable petroleum hydrocarbons as gasoline (TPPHg), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl tertiary butyl ether (MTBE). The specific methods of analysis are listed in the notes in Table 1. The results of analyses are presented in Table 1 and are shown on Plate 2. The laboratory analysis report and Chain of Custody record are attached (Attachment B).

jchappell@eri-us.com

73 Digital Drive, Suite 100, Novato, California 94949-5791 415-382-9105 (FAX 415-382-1856)
Lake Forest • Novato • Seattle

SOIL AND GROUNDWATER REMEDIATION

Air Sparge/Soil Vapor Extraction

The air sparge/soil vapor extraction (AS/SVE) system began operation on February 16, 1998. ERI assumed operation of the system on April 1, 2000. The AS/SVE system was shutdown on March 24, 2000, pending system evaluation. At the completion of retrofit activities, the system resumed operation on June 28, 2000. Operational and performance data collected by ERI are presented in Table 2.

The AS/SVE system consists of six AS wells, two SVE wells, a horizontal SVE trench, a moisture separator, a Sutorbuilt 100 standard cubic feet per minute (scfm) vacuum blower, a Gast AS compressor, and two 500-pound vapor-phase granular activated carbon (GAC) vessels. Operation data provided by Delta Environmental Consultants, Inc. are presented in Appendix C.

Groundwater Extraction and Treatment

The groundwater remediation system (GRS) is designed to treat separate-phase and dissolved hydrocarbons in groundwater extracted from the groundwater extraction wells. Pneumatic pumps are utilized to extract groundwater from extraction wells EW1 through EW5. Subsurface and above-ground piping are used to transfer extracted groundwater to the treatment system. A transfer pump and polyvinyl chloride (PVC) piping are used to direct the water stream through sediment filters and liquid-phase GAC vessels connected in series. The treated groundwater is discharged to the sanitary sewer under an East Bay Municipal Utilities District (EBMUD) discharge permit.

The GRS system was shut down on March 24, 2000, pending system evaluation. Cumulative GRS flow rates, total volume extracted, and influent, intermediate, and effluent sample concentrations are presented in Table 3.

SUMMARY AND STATUS OF INVESTIGATION

The table below presents the estimated amounts of hydrocarbons removed by the AS/SVE system since the last reporting period and since startup.

Period	Pounds of Hydrocarbons Removed	Gallons of Hydrocarbons Removed
6/31/00 - 8/10/00	7	1
To Date	<68	<11

The table below presents the estimated amounts of hydrocarbons removed by the GRS since the last reporting period and since startup.

Period	Pounds of Hydrocarbons Removed	Gallons of Hydrocarbons Removed
6/31/00 - 8/10/00	0	0
To Date	29	5

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for ExxonMobil, and any reliance on this report by third parties shall be at such party's sole risk.

ERI recommends forwarding copies of this report to:

Ms. Eva Chu
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

Mr. Stephen Hill
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

Please call Mr. James F. Chappell at (415) 382-4323 with any questions regarding this project.

Sincerely,
Environmental Resolutions, Inc.

James F. Chappell
Assistant Project Manager

REGISTERED GEOLOGIST
JOHN BAILEY BOBBITT
No. 4313
STATE OF CALIFORNIA

John B. Bobbitt
R.G. 4313

Attachments:

Table 1:	Cumulative Groundwater Monitoring and Sampling Data
Table 2:	Cumulative Hydrocarbon Removal and Emissions for Soil Vapor Extraction System
Table 3:	Operation and Performance Data for Groundwater Remediation System
Plate 1:	Site Vicinity Map
Plate 2:	Generalized Site Plan
Attachment A:	Groundwater Sampling Protocol
Attachment B:	Laboratory Analysis Reports and Chain of Custody Records
Attachment C:	AS/SVE System Operation Data From Previous Consultants
Attachment D:	ERI SOP-25 "Hydrocarbons Removed from a Vadose Well"

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<.....feet.....>			<.....ug/L.....>						
MW1	09/12/94	NLPH	7.11	10.24	1,600[a]	---	200	1.9	210	6.6	---
(17.35)	10/01/94	NLPH	7.44	9.91	1,400[a]	---	200	<0.5	160	6.6	---
	01/13/95	NLPH	5.13	12.22	2,100[a]	---	410[b]	17	280[b]	89	---
	04/27/95	NLPH	6.57	10.78	4,700	---	460	41	340	270	---
	08/03/95	NLPH	7.46	9.89	1,900	30	140	<5.0	160	9.9	---
	10/17/95	NLPH	7.67	9.68	280	5.5	6.2	<0.5	13	0.75	---
	01/24/96	NLPH	6.52	10.83	740	440	21	1.4	38	3.1	---
	04/24/96	NLPH	5.95	11.40	7,800	250	200	110	1,000	740	---
	07/26/96	NLPH	7.60	9.75	620	23	8.0	0.99	26	1.0	---
	10/30/96	NLPH	8.06	9.29	700	33	14	2.9	85	3.5	---
	01/31/97	NLPH	5.12	12.23	7,600	<200	420	33	1,400	480	---
	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	NLPH	7.54	9.81	580	12	10	<0.5	<0.5	<0.5	---
	10/08/97	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	4.48	12.87	820	<2.5[c]	110	2.8	170	14	---
	04/14/98	---	4.69	12.66	---	---	---	---	---	---	---
	07/30/98	NLPH	6.19	11.16	2,700	41	210	<5.0	550	<5.0	---
	10/19/98	NLPH	6.72	10.63	---	---	---	---	---	---	---
	01/13/99	NLPH	6.52	10.83	491	9.78	8.0	<0.5	<0.5	<0.5	---
	04/28/99	---	5.37	11.98	---	---	---	---	---	---	---
	07/09/99	NLPH	6.39	10.96	1,030	10.6	114	8.07	184	0.644	---
	10/25/99	NLPH	6.68	10.67	---	---	---	---	---	---	---
	01/21/00	NLPH	6.20	11.15	<50	5.1	<1.0	<1.0	<1.0	<1.0	---
	04/14/00	NLPH	5.18	12.17	---	---	---	---	---	---	---
	07/05/00	**NLPH**	**5.93**	**11.42**	**88**	**200**	**4.3**	**<0.5**	**0.61**	**<0.5**	**---**

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<....feet....>			<....ug/L....>						
MW2	09/12/94	NLPH	6.71	9.96	31,000[a]	---	4,400	120	1,700	2,100	---
(16.67)	10/01/94	NLPH	7.22	9.45	45,000[a]	---	4,500	250	1,800	2,400	---
	01/13/95	NLPH	4.46	12.21	---	---	---	---	---	---	---
	04/27/95	NLPH	6.92	9.75	44,000	---	7,000	840	2,400	3,400	---
	08/03/95	NLPH	6.96	9.71	30,000	37,000	4,600	170	1,600	1,100	---
	10/17/95	NLPH	7.83	8.84	45,000	14,000	5,400	190	2,000	1,500	---
	01/24/96	NLPH	6.45	10.22	30,000	4,100	5,000	810	2,200	2,200	---
	04/24/96	NLPH	6.00	10.67	34,000	22,000	8,700	410	2,200	2,000	---
	07/26/96	NLPH	7.14	9.53	40,000	18,000	10,000	<200	1,800	760	---
	10/30/96	NLPH	6.95	9.72	43,000	18,000	9,100	<250	2,400	730	---
	01/31/97	NLPH	5.07	11.60	28,000	8,000[c]	2,400	630	1,500	3,300	---
	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	NLPH	7.34	9.33	18,000	2,600	2,900	82	1,500	530	---
	10/08/97	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	4.46	12.21	29,000	28,000[c]	5,600	410	1,500	720	---
	04/14/98	---	4.48	12.19	---	---	---	---	---	---	---
	07/30/98	NLPH	6.01	10.66	24,000	6,300	7,500	<200	1,300	280	---
	10/19/98	NLPH	6.35	10.32	---	---	---	---	---	---	---
	01/13/99	NLPH	6.54	10.13	18,400	2,200	4,750	211	1,760	45.3	---
	04/28/99	---	5.54	11.13	---	---	---	---	---	---	---
	07/09/99	NLPH	6.45	10.22	14,100	3,410	4,270	80.1	1,300	339	---
	10/25/99	---	---	---	---	---	---	---	---	---	---
	01/21/00	---	---	---	---	---	---	---	---	---	---
	02/11/00	NLPH	---	---	<50	15	<1.0	<1.0	<1.0	<1.0	---
	04/14/00	NLPH	4.69	11.98	---	---	---	---	---	---	---
	07/05/00	**NLPH**	**5.44**	**11.23**	**150**	**86**	**15**	**<0.5**	**6.2**	**2.8**	**---**
MW3	09/12/94	NLPH	6.58	10.53	3,100[a]	---	580	8	340	100	---
(17.11)	10/01/94	NLPH	6.85	10.26	3,800[a]	---	640	11	230	130	---
	01/13/95	NLPH	5.27	11.84	3,800[a]	---	690	24	210	130	---
	04/27/95	NLPH	6.05	11.06	7,500	---	940	35	810	530	---
	08/03/95	NLPH	6.71	10.40	1,900	24	380	<5.0	140	45	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	< feet >			< ug/L >						
MW3 (cont.)	10/17/95	NLPH	7.46	9.65	6,100	< 5.0	950	29	230	190	---
(17.11)	01/24/96	NLPH	5.83	11.28	3,000	< 100	730	15	190	110	---
	04/24/96	NLPH	5.38	11.73	11,000	< 100	1,200	130	1,000	1,400	---
	07/26/96	NLPH	6.80	10.31	2,500	250	800	16	24	56	---
	10/30/96	NLPH	7.20	9.91	5,200	2,900	1,300	28	170	180	---
	01/31/97	NLPH	4.31	12.80	---	---	---	---	---	---	---
	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	4.03	13.08	---	---	---	---	---	---	---
	04/14/98	NLPH	3.80	13.31	---	---	---	---	---	---	---
	07/30/98	NLPH	5.84	11.27	---	---	---	---	---	---	---
	10/19/98	NLPH	6.25	10.86	---	---	---	---	---	---	---
	01/13/99	NLPH	6.14	10.97	---	---	---	---	---	---	---
	04/28/99	---	4.95	12.16	---	---	---	---	---	---	---
	07/09/99	---	---	---	---	---	---	---	---	---	---
	10/25/99	---	---	---	---	---	---	---	---	---	---
	01/21/00	---	---	---	---	---	---	---	---	---	---
	04/14/00	---	---	---	---	---	---	---	---	---	---
	07/05/00	---	---	---	---	---	---	---	---	---	---
MW4	09/12/94	NLPH	6.80	10.54	5,200[a]	---	900	57	310	490	---
(17.34)	10/01/94	NLPH	7.09	10.25	9,100[a]	---	1,200	66	360	380	---
	01/13/95	NLPH	4.66	12.68	25,000[a]	---	1,300	200	550	1,000	---
	04/27/95	NLPH	5.54	11.80	5,900	---	650	130	350	590	---
	08/03/95	NLPH	6.92	10.42	4,200	5,700	1,000	< 12	170	140	---
	10/17/95	NLPH	7.50	9.84	6,900	1,700	1,300	30	360	380	---
	01/24/96	NLPH	5.81	11.53	6,300	830	1,900	46	290	330	---
	04/24/96	NLPH	5.44	11.90	5,000	1,600	1,800	< 20	190	130	---
	07/26/96	NLPH	7.03	10.31	9,100	1,200	1,700	< 25	340	280	---
	10/30/96	NLPH	7.57	9.77	5,300	1,500	1,100	35	420	300	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	< feet >			< ug/L >						
MW4(cont)	01/31/97	NLPH	4.22	13.12	6,500	40,000	1,200	28	490	130	---
(17.34)	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	NLPH	7.56	9.78	10,000	11,000	1,100	120	470	720	---
	10/08/97	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	3.70	13.64	1,700	4,900[c]	450	6.8	220	73	---
	04/14/98	---	3.81	13.53	---	---	---	---	---	---	---
	07/30/98	NLPH	5.96	11.38	2,900	2,800	680	<10	220	56	---
	10/19/98	NLPH	6.51	10.83	---	---	---	---	---	---	---
	01/13/99	NLPH	6.24	11.10	2,140	1,800	146	<10	60.9	16.2	---
	04/28/99	---	4.80	12.54	---	---	---	---	---	---	---
	07/09/99	NLPH	6.04	11.30	1,300	1,310	322	<2.5	76.1	<2.5	---
	10/25/99	NLPH	6.51	10.83	---	---	---	---	---	---	---
	01/21/00	NLPH	5.75	11.59	2,200	1,000	410	3.70	40	14.4	---
	04/14/00	NLPH	4.39	12.95	---	---	---	---	---	---	---
	07/05/00	**NLPH**	**5.48**	**11.86**	**1,600**	**260**	**400**	**3.9**	**100**	**84**	**---**
MW5	09/12/94	NLPH	7.12	9.59	10,000[a]	---	2,300	17	320	230	---
(16.71)	10/01/94	Sheen	7.06	9.65	11,000[a]	---	2,300	19	220	200	---
	01/13/95	thickness of	4.85	11.86	---	---	---	---	---	---	---
	04/27/95	NLPH	6.51	10.20	14,000	---	2,200	72	540	350	---
	08/03/95	NLPH	7.24	9.47	<10,000	39,000	2,100	<100	210	<100	---
	10/17/95	NLPH	7.80	8.91	13,000	38,000	1,800	14	240	170	---
	01/24/96	NLPH	6.66	10.05	10,000	20,000	2,400	79	340	190	---
	04/24/96	NLPH	5.80	10.91	13,000	33,000	3,700	120	520	170	---
	07/26/96	NLPH	7.67	9.04	15,000	140,000	3,400	53	280	76	---
	10/30/96	NLPH	7.77	8.94	10,000	110,000[a]	2,600	76	260	150	---
	01/31/97	NLPH	4.90	11.81	10,000	34,000[c]	2,400	66	430	140	---
	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	NLPH	7.65	9.06	9,800	36,000/52,000c	1,400	120	190	120	---
	10/08/97	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	3.95	12.76	6,500	15,000[c]	1,500	34	73	57	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<.....feet.....>			<.....ug/L.....>						
MW5(cont)	04/14/98	---	4.30	12.41	---	---	---	---	---	---	---
(16.71)	07/30/98	NLPH	5.86	10.85	8,300	4,300	1,700	26	110	66	---
	10/19/98	NLPH	6.20	10.51	---	---	---	---	---	---	---
	01/13/99	NLPH	6.37	10.34	4,780	3,650	1,240	11.1	<10	<10	---
	04/28/99	---	5.25	11.46	---	---	---	---	---	---	---
	07/09/99	NLPH	6.08	10.63	4,360	2,360	1,780	18.6	45	<5.0	---
	10/25/99	NLPH	6.46	10.25	---	---	---	---	---	---	---
	01/21/00	NLPH	5.79	10.92	2,600	3,100	720	4.7	25	11.3	---
	04/14/00	NLPH	4.57	12.14	---	---	---	---	---	---	---
	07/05/00	**NLPH**	**5.37**	**11.34**	**5,100**	**380**	**1,800**	**14**	**52**	**34**	**---**
MW6	09/12/94	NLPH	6.88	10.68	1,500[a]	---	150	4.4	170	85	---
(17.56)	10/01/94	NLPH	7.15	10.41	87[a]	---	120	<0.5	99	38	---
	01/13/95	NLPH	4.80	12.76	9,900[a]	---	710	220	780	1,100	---
	04/27/95	NLPH	6.14	11.42	3,900	---	340	40	460	320	---
	08/03/95	NLPH	6.83	10.73	1,100	65	89	<2.5	110	63	---
	10/17/95	NLPH	7.66	9.90	8,500	<5.0	410	74	850	110	---
	01/24/96	NLPH	5.86	11.70	31,000	<5.0	560	1,500	2,200	7,500	---
	04/24/96	NLPH	5.39	12.17	15,000	280	460	570	1,400	3,300	---
	07/26/96	NLPH	6.97	10.59	27,000	1,300	270	660	1,600	5,500	---
	10/30/96	NLPH	7.45	10.11	28,000	900	490	440	1,800	6,200	---
	01/31/97	NLPH	4.30	13.26	7,000	770	190	1,000	380	1,400	---
	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	NLPH	7.57	9.99	6,800	1,100	200	<50	300	860	---
	10/08/97	NLPH	7.48	10.08	51,000	580	870	7,300	2,600	12,000	700[c]
	01/28/98	NLPH	3.74	13.82	15,000	2,400[c]	650	2,300	900	2,700	---
	04/14/98	NLPH	3.92	13.64	25,000	2,100[c]	850	3,300	1,200	4,300	---
	07/30/98	NLPH	6.09	11.47	5,900	910	270	65	500	630	---
	10/19/98	NLPH	6.56	11.00	---	---	---	---	---	---	---
	01/13/99	NLPH	6.35	11.21	3,150	422	204	107	297	304	---
	04/28/99	NLPH	4.89	12.67	15,300	436[c]	1,270	980	1,100	3,320	436[c]

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<.....feet.....>			<.....ug/L.....>						
MW6(cont)	07/09/99	NLPH	6.07	11.49	1,140	439	121	9.95	160	4.69	---
(17.56)	10/25/99	NLPH	6.11	11.45	2,200	3,400	590	<10	22	12.1	---
	01/21/00	NLPH	5.86	11.70	1,300	1,000	95	15	94	74	---
	04/14/00	NLPH	4.29	13.27	13,000	420	440	630	840	3,000	---
	07/05/00	**NLPH**	**5.39**	**12.17**	**5,800**	**830**	**1,000**	**13**	**550**	**798**	**—**
MW7	09/12/94	NLPH	6.43	10.69	6,000[a]	---	490	50	280	70	---
(17.12)	10/01/94	NLPH	6.71	10.41	8,900[a]	---	940	670	310	160	---
	01/13/95	NLPH	4.29	12.83	20,000[a]	---	590	780	970	4,200	---
	04/27/95	NLPH	5.00	12.12	8,800	---	410	32	410	230	---
	08/03/95	NLPH	6.53	10.59	4,900	17,000	390	<50	290	<50	---
	10/17/95	NLPH	7.23	9.89	6,700	17,000	530	26	240	25	---
	01/24/96	NLPH	5.26	11.86	9,300	60,000	2,000	390	350	230	---
	04/24/96	NLPH	5.06	12.06	9,000	360,000	2,400	850	150	130	---
	07/26/96	NLPH	6.62	10.50	4,800	86,000	530	25	60	46	---
	10/30/96	NLPH	7.09	10.03	3,400	28,000	180	9.8	58	38	---
	01/31/97	NLPH	3.65	13.47	3,800	45,000	300	18	48	37	---
	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	NLPH	7.44	9.68	3,500	18,000	70	<25	<25	<25	---
	10/08/97	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	3.06	14.06	100	250[c]	1.0	<0.5	<0.5	0.67	---
	04/14/98	---	3.10	14.02	---	---	---	---	---	---	---
	07/30/98	NLPH	5.78	11.34	100	670	1.4	<0.5	<0.5	<0.5	---
	10/19/98	NLPH	6.25	10.87	---	---	---	---	---	---	---
	01/13/99	NLPH	5.98	11.14	273	530	<2.5	<2.5	<2.5	<2.5	---
	04/28/99	---	4.32	12.80	---	---	---	---	---	---	---
	07/09/99	NLPH	5.67	11.45	139	860	3.79	7.10	1.19	8.65	---
	10/25/99	NLPH	6.23	10.89	<50	<1.0	<1.0	<1.0	<1.0	<1.0	---
	01/21/00	NLPH	5.41	11.71	410	500	10	2.5	<1.0	2.5	---
	04/14/00	NLPH	3.84	13.28	---	---	---	---	---	---	---
	07/05/00	**NLPH**	**5.05**	**12.07**	**140**	**480**	**<0.5**	**<0.5**	**<0.5**	**0.56**	**—**

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<.....feet.....>			<.....ug/L.....>						
MW8	09/12/94	NLPH	6.42	9.91	<50[a]	---	<0.5	<0.5	<0.5	<0.5	---
(16.33)	10/01/94	NLPH	6.62	9.71	<50[a]	---	<0.5	<0.5	<0.5	<0.5	---
	01/13/95	NLPH	5.25	11.08	<50[a]	---	<0.5	<0.5	<0.5	<0.5	---
	04/27/95	NLPH	6.00	10.33	<50	---	<0.5	<0.5	<0.5	<0.5	---
	08/03/95	NLPH	6.28	10.05	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	10/17/95	NLPH	6.93	9.40	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	01/24/96	NLPH	5.71	10.62	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	04/24/96	NLPH	5.52	10.81	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	07/26/96	NLPH	6.27	10.06	<50	230	<0.5	<0.5	<0.5	<0.5	---
	10/30/96	NLPH	6.69	9.64	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	01/31/97	NLPH	5.18	11.15	---	---	---	---	---	---	---
	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	5.11	11.22	---	---	---	---	---	---	---
	04/14/98	NLPH	5.02	11.31	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	07/30/98	NLPH	5.84	10.49	<50	6.6	<0.5	<0.5	<0.5	<0.5	---
	10/19/98	NLPH	6.07	10.26	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	01/13/99	NLPH	5.59	10.74	<50	<2.0	<0.5	<0.5	<0.5	<0.5	---
	04/28/99	NLPH	5.38	10.95	<50	<0.5[c]	<0.5	<0.5	<0.5	<0.5	ND
	07/09/99	NLPH	5.71	10.62	<50	3.01	<0.5	<0.5	<0.5	<0.5	---
	10/25/99	NLPH	6.15	10.18	<50	<1.0	<1.0	<1.0	<1.0	<1.0	---
	01/21/00	NLPH	6.51	9.82	<50	<1.0	<1.0	<1.0	<1.0	<1.0	---
	04/14/00	Brown	5.54	10.79	<50	<1	<1	<1	<1	<1	---
	07/05/00	**NLPH**	**5.67**	**10.66**	**<50**	**<2**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**---**
MW9	09/12/94	NLPH	6.84	8.78	<50[a]	---	<0.5	<0.5	<0.5	<0.5	---
(15.62)	10/01/94	NLPH	6.97	8.65	<50[a]	---	<0.5	<0.5	<0.5	<0.5	---
	01/13/95	NLPH	6.18	9.44	<50[a]	---	<0.5	<0.5	<0.5	<0.5	---
	04/27/95	NLPH	6.58	9.04	<50	---	<0.5	<0.5	<0.5	<0.5	---
	08/03/95	NLPH	6.72	8.90	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<....feet....>			<....ug/L....>						
MW9(cont)	10/17/95	NLPH	7.09	8.53	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
(15.62)	01/24/96	NLPH	6.46	9.16	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	04/24/96	NLPH	6.43	9.19	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	07/26/96	NLPH	6.80	8.82	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	10/30/96	NLPH	6.94	8.68	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	01/31/97	NLPH	6.10	9.52	---	---	---	---	---	---	---
	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	5.66	9.96	---	---	---	---	---	---	---
	04/14/98	---	---	---	---	---	---	---	---	---	---
	07/30/98	NLPH	6.17	9.45	---	---	---	---	---	---	---
	10/19/98	NLPH	6.40	9.22	---	---	---	---	---	---	---
	01/13/99	NLPH	6.28	9.34	---	---	---	---	---	---	---
	04/28/99	NLPH	5.87	9.75	<50	<0.5[c]	<0.5	<0.5	<0.5	<0.5	ND
	07/09/99	NLPH	6.24	9.38	<50	<2.0	<0.5	<0.5	<0.5	<0.5	---
	10/25/99	NLPH	6.67	8.95	<50	<1.0	<1.0	<1.0	<1.0	<1.0	---
	01/21/00	NLPH	6.93	8.69	<50	<1.0	<1.0	<1.0	<1.0	<1.0	---
	04/14/00	Turbid	6.05	9.57	<50	<1	<1	<1	<1	<1	<1
	07/05/00	**NLPH**	**6.34**	**9.28**	**<50**	**<2**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**---**
MW10	09/12/94	NLPH	7.04	9.75	71[a]	---	<0.5	<0.5	1.6	<0.5	---
(16.79)	10/01/94	NLPH	7.30	9.49	330[a]	---	1.1	<0.5	2.8	0.73	---
	01/13/95	NLPH	6.04	10.75	90[a]	---	<0.5	<0.5	<0.5	<0.5	---
	04/27/95	NLPH	6.66	10.13	140	---	<0.5	<0.5	5.4	1.3	---
	08/03/95	NLPH	7.23	9.56	150	<2.5	<0.5	<0.5	<0.5	<0.5	---
	10/17/95	NLPH	7.93	8.86	<50	95	<0.5	<0.5	<0.5	<0.5	---
	01/24/96	NLPH	6.43	10.36	760	24	1.6	0.52	62	28	---
	04/24/96	NLPH	6.42	10.37	110	6.8	<0.5	<0.5	7.1	<0.5	---
	07/26/96	NLPH	7.47	9.32	140	<5.0	<0.5	<0.5	12	0.86	---
	10/30/96	NLPH	7.88	8.91	<50	5.6	<0.5	<0.5	<0.5	<0.5	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<....feet....>			<....ug/L....>						
MW10(cont)	01/31/97	NLPH	5.88	10.91	<50	10	<0.5	<0.5	<0.5	<0.5	---
(16.79)	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	NLPH	7.32	9.47	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	10/08/97	---	---	---	---	---	---	---	---	---	---
	12/12/97	Well destroyed.									
MW11	10/17/95	NLPH	7.72	10.32	34,000	890	3,800	150	950	4,500	---
(18.04)	01/24/96	NLPH	5.97	12.07	44,000	<500	3,800	1,200	2,100	9,800	---
	04/24/96	NLPH	5.84	12.20	34,000	720	2,900	1,400	1,700	8,300	---
	07/26/96	NLPH	6.98	11.06	39,000	800	4,600	4,200	950	9,500	---
	10/30/96	NLPH	7.54	10.50	53,000	990	4,200	3,600	2,100	9,600	---
	01/31/97	NLPH	5.00	13.04	23,000	310[c]	170	2,500	940	4,300	---
	04/10/97	NLPH	---	---	29,000	200	1,200	440	970	6,400	---
	07/10/97	NLPH	7.30	10.74	42,000	690	1,700	870	1,900	12,000	---
	10/08/97	NLPH	7.62	10.42	42,000	1,100	1,700	2,500	1,400	9,900	1,300[c]
	01/28/98	NLPH	4.77	13.27	35,000	6,800[c]	2,400	3,500	1,700	7,900	---
	04/14/98	NLPH	4.68	13.36	15,000	1,200[c]	1,700	250	500	2,000	---
	07/30/98	NLPH	6.33	11.71	24,000	1,700	1,600	560	1,000	4,300	---
	10/19/98	NLPH	6.65	11.39	29,000	1,700	1,200	2,500	920	4,900	---
	01/13/99	NLPH	6.42	11.62	50,900	1,920	2,210	6,440	2,030	10,600	---
	04/28/99	NLPH	5.30	12.74	59,400	2,390[c]	3,790	4,260	1,790	2,970	2,390[c]
	07/09/99	NLPH	6.22	11.82	51,500	4,630	5,890	5,340	2,370	12,700	---
	10/25/99	NLPH	6.77	11.27	51,000	1,700	3,900	5,800	2,300	12,300	---
	01/21/00	NLPH	6.47	11.57	56,000	1,100	2,300	4,600	2,100	11,600	---
	04/14/00	NLPH	5.09	12.95	42,000	2,100	3,000	2,600	1,600	8,000	---
	07/05/00	**NLPH**	**5.93**	**12.11**	**32,000**	**3,900**	**3,000**	**2,700**	**1,300**	**6,200**	
MW12	10/17/95	NLPH	6.38	9.92	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
(16.3)	01/24/96	NLPH	4.86	11.44	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	04/24/96	NLPH	4.46	11.84	<50	<5.0	<0.5	0.68	<0.5	0.72	---
	07/26/96	NLPH	5.90	10.40	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<....feet....>			<....ug/L....>						
MW12 (cont)	10/30/96	NLPH	6.56	9.74	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
(16.3)	01/31/97	NLPH	4.57	11.73	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	3.90	12.40	---	---	---	---	---	---	---
	04/14/98	NLPH	3.67	12.63	---	---	---	---	---	---	---
	07/30/98	NLPH	5.00	11.30	---	---	---	---	---	---	---
	10/19/98	NLPH	---	---	---	---	---	---	---	---	---
	01/13/99	NLPH	5.19	11.11	---	---	---	---	---	---	---
	04/28/99	---	4.53	11.77	---	---	---	---	---	---	---
	07/09/99	---	---	---	---	---	---	---	---	---	---
	10/25/99	---	---	---	---	---	---	---	---	---	---
	01/21/00	---	---	---	---	---	---	---	---	---	---
	04/14/00	---	---	---	---	---	---	---	---	---	---
	07/05/00	---	---	---	---	---	---	---	---	---	---
EW-1	09/12/94	NLPH	6.13	10.09	400[a]	---	40	<0.5	10	5.4	---
(16.22)	10/01/94	NLPH	7.63	8.59	3,400[a]	---	<0.5	4.4	30	11	---
	01/13/95	NLPH	11.46	4.76	680[a]	---	40	<0.5	12	16	---
	04/27/95	NLPH	15.47	0.75	---	---	---	---	---	---	---
	08/03/95	NLPH	13.85	2.37	<125	590	2.7	<1.2	<1.2	<1.2	---
	10/17/95	NLPH	8.05	8.17	3,600	400	220	<0.5	160	36	---
	01/24/96	NLPH	11.07	5.15	64	260	4.3	<0.5	1.3	0.53	---
	04/24/96	NLPH	6.20	10.02	740	3,000	130	2.3	35	2.1	---
	07/26/96	NLPH	13.93	2.29	<50	960	<0.5	<0.5	<0.5	<0.5	---
	10/30/96	NLPH	13.74	2.48	<50	5,300	0.52	<0.5	<0.5	<0.5	---
	01/31/97	NLPH	8.40	7.82	---	---	---	---	---	---	---
	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<	feet	>	<			ug/L			>
EW-1 (cont.)	01/28/98	NLPH	3.35	12.87	---	---	---	---	---	---	---
(16.22)	04/14/98	NLPH	3.52	12.70	---	---	---	---	---	---	---
	07/30/98	NLPH	5.48	10.74	---	---	---	---	---	---	---
	10/19/98	NLPH	5.77	10.45	---	---	---	---	---	---	---
	01/13/99	NLPH	5.49	10.73	---	---	---	---	---	---	---
	04/28/99	NLPH	4.31	11.91	---	---	---	---	---	---	---
	07/09/99	---	---	---	---	---	---	---	---	---	---
	10/25/99	---	---	---	---	---	---	---	---	---	---
	01/21/00	---	---	---	---	---	---	---	---	---	---
	04/14/00	---	---	---	---	---	---	---	---	---	---
	07/05/00	---	---	---	---	---	---	---	---	---	---
EW-2	09/12/94	NLPH	6.09	9.96	8,800[a]	---	2,000	79	180	290	---
(16.05)	10/01/94	NLPH	7.32	8.73	9,500[a]	---	1,400	6.7	700	310	---
	01/13/95	NLPH	14.38	1.67	5,700[a]	---	930	270	21	280	---
	04/27/95	NLPH	15.23	0.82	---	---	---	---	---	---	---
	08/03/95	NLPH	7.19	8.86	830	1,600	170	27	36	64	---
	10/17/95	NLPH	18.97	-2.92	180	3,600	<0.5	<0.5	<0.5	5.1	---
	01/24/96	NLPH	20.32	-4.27	1,700	6,400	290	82	14	170	---
	04/24/96	NLPH	9.46	6.59	3,500	7,300	670	200	110	490	---
	07/26/96	NLPH	16.50	-0.45	1,400	14,000	250	56	10	220	---
	10/30/96	NLPH	20.30	-4.25	1,500	13,000	200	44	8.8	190	---
	01/31/97	NLPH	19.21	-3.16	---	---	---	---	---	---	---
	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	3.35	12.70	---	---	---	---	---	---	---
	04/14/98	NLPH	3.45	12.60	---	---	---	---	---	---	---
	07/30/98	NLPH	11.50	4.55	---	---	---	---	---	---	---
	10/19/98	NLPH	5.67	10.38	---	---	---	---	---	---	---
	01/13/99	NLPH	9.57	6.48	---	---	---	---	---	---	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<	feet	>	<			ug/L			>
EW-2 (cont.)	04/28/99	NLPH	10.15	5.90	---	---	---	---	---	---	---
(16.05)	07/09/99	---	---	---	---	---	---	---	---	---	---
	10/25/99	---	---	---	---	---	---	---	---	---	---
	01/21/00	---	---	---	---	---	---	---	---	---	---
	04/14/00	---	---	---	---	---	---	---	---	---	---
	07/05/00	---	---	---	---	---	---	---	---	---	---
EW-3	09/12/94	NLPH	6.12	9.90	300[a]	---	44	5.9	12	31	---
(16.02)	10/01/94	NLPH	10.52	5.50	140[a]	---	12	0.42	1.7	3.7	---
	01/13/95	NLPH	18.13	-2.11	230[a]	---	4.6	7.6	1.2	6.6	---
	04/27/95	NLPH	23.07	-7.05	---	---	---	---	---	---	---
	08/03/95	NLPH	22.90	-6.88	<200	1,400	<2.0	<2.0	<2.0	<2.0	---
	10/17/95	NLPH	22.87	-6.85	74	2,400	4.4	<0.5	<0.5	<0.5	---
	01/24/96	NLPH	20.97	-4.95	120	2,300	16	<0.5	<0.5	<0.5	---
	04/24/96	NLPH	18.10	-2.08	180	3,800	34	3.7	8.9	11	---
	07/26/96	NLPH	13.14	2.88	180	2,000	45	0.7	<0.5	2.1	---
	10/30/96	NLPH	9.24	6.78	660	2,800	60	8.2	<0.5	100	---
	01/31/97	NLPH	11.10	4.92	---	---	---	---	---	---	---
	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	3.42	12.60	---	---	---	---	---	---	---
	04/14/98	NLPH	3.50	12.52	---	---	---	---	---	---	---
	07/30/98	NLPH	18.57	-2.55	---	---	---	---	---	---	---
	10/19/98	NLPH	5.65	10.37	---	---	---	---	---	---	---
	01/13/99	NLPH	13.85	2.17	---	---	---	---	---	---	---
	04/28/99	NLPH	4.52	11.50	---	---	---	---	---	---	---
	07/09/99	---	---	---	---	---	---	---	---	---	---
	10/25/99	---	---	---	---	---	---	---	---	---	---
	01/21/00	---	---	---	---	---	---	---	---	---	---
	04/14/00	---	---	---	---	---	---	---	---	---	---
	07/05/00	---	---	---	---	---	---	---	---	---	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<.....feet.....>			<.....ug/L.....>						
EW-4	09/12/94	NLPH	5.69	10.92	4,000[a]	---	1,700	12	210	77	---
(16.61)	10/01/94	NLPH	7.90	8.71	460[a]	---	100	1.5	15	11	---
	01/13/95	NLPH	11.36	5.25	520[a]	---	89	8.8	1.6	82	---
	04/27/95	NLPH	16.30	0.31	---	---	---	---	---	---	---
	08/03/95	NLPH	6.45	10.16	42,000	17,000	3,100	1,100	2,000	8,200	---
	10/17/95	NLPH	15.89	0.72	92	2,500	6.3	<0.5	<0.5	<0.5	---
	01/24/96	NLPH	6.03	10.58	220	9,200	79	2.5	2.9	10	---
	04/24/96	NLPH	4.97	11.64	4,600	860	49	36	69	1,100	---
	07/26/96	NLPH	6.54	10.07	2,900	15,000	610	6.2	200	300	---
	10/30/96	NLPH	6.53	10.08	550	3,400	68	11	<2.5	71	---
	01/31/97	NLPH	3.98	12.63	---	---	---	---	---	---	---
	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	3.22	13.39	---	---	---	---	---	---	---
	04/14/98	NLPH	3.20	13.41	---	---	---	---	---	---	---
	07/30/98	NLPH	4.89	11.72	---	---	---	---	---	---	---
	10/19/98	NLPH	5.16	11.45	---	---	---	---	---	---	---
	01/13/99	NLPH	5.57	11.04	---	---	---	---	---	---	---
	04/28/99	NLPH	4.27	12.34	---	---	---	---	---	---	---
	07/09/99	---	---	---	---	---	---	---	---	---	---
	10/25/99	---	---	---	---	---	---	---	---	---	---
	01/21/00	---	---	---	---	---	---	---	---	---	---
	04/14/00	---	---	---	---	---	---	---	---	---	---
	07/05/00	---	---	---	---	---	---	---	---	---	---
EW-5	09/12/94	NLPH	6.30	10.21	180[a]	---	26	1.7	11	12	---
(16.51)	10/01/94	NLPH	11.83	4.68	130[a]	---	16	0.92	5.7	8.5	---
	01/13/95	NLPH	12.54	3.97	130[a]	---	0.6	0.8	0.6	2.9	---
	04/27/95	NLPH	13.11	3.40	---	---	---	---	---	---	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<.....feet.....>			<.....ug/L.....>						
EW-5(cont)	08/03/95	NLPH	11.99	4.52	70	210	<0.5	<0.5	<0.5	<0.5	---
(16.51)	10/17/95	NLPH	13.43	3.08	78	50	1.5	<0.5	<0.5	3.0	---
	01/24/96	NLPH	9.72	6.79	2,500	350	280	66	22	370	---
	04/24/96	NLPH	8.13	8.38	6,400	400	690	240	380	1,300	---
	07/26/96	NLPH	10.00	6.51	850	84	82	2.5	2.4	100	---
	10/30/96	NLPH	9.82	6.69	1,200	68	110	5.1	2.2	120	---
	01/31/97	NLPH	9.00	7.51	---	---	---	---	---	---	---
	04/10/97	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	3.54	12.97	---	---	---	---	---	---	---
	04/14/98	NLPH	3.65	12.86	---	---	---	---	---	---	---
	07/30/98	NLPH	7.63	8.88	---	---	---	---	---	---	---
	10/19/98	NLPH	5.75	10.76	---	---	---	---	---	---	---
	01/13/99	NLPH	7.03	9.48	---	---	---	---	---	---	---
	04/28/99	NLPH	8.80	7.71	---	---	---	---	---	---	---
	07/09/99	---	---	---	---	---	---	---	---	---	---
	10/25/99	---	---	---	---	---	---	---	---	---	---
	01/21/00	---	---	---	---	---	---	---	---	---	---
	04/14/00	---	---	---	---	---	---	---	---	---	---
	07/05/00	---	---	---	---	---	---	---	---	---	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Notes:		
SUBJ	=	Results of subjective evaluation, liquid-phase hydrocarbon thickness in feet.
TOC	=	Elevation of top of well casing; in feet above mean sea level.
DTW	=	Depth to water.
Elev.	=	Elevation of groundwater in feet above mean sea level.
TPPHg	=	Total purgeable petroleum hydrocarbons as gasoline analyzed using EPA method 5030/8015 (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
Oxygenated Compounds	=	Oxygenates compounds analyzed using EPA Method 8260.
NLPH	=	No liquid-phase hydrocarbons.
*	=	MTBE confirmatory analysis performed using EPA Method 8260.
---	=	Not Sampled.
ug/L	=	Micrograms per liter.
<	=	Less than the stated laboratory method detection limit.
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).

Data prior to second Quarter 2000 provided by Delta Environmental Consultants, Inc.

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

		FIELD MEASUREMENTS							Analytical Laboratory Results		TPPHg Removal		Benzene Removal		Benzene
Date	Sample ID	Hour Meter	Hours of Operation	Temp F	Vacuum in H_2O	Flow lfm	Flow cfm	PID ppmv	TPPHg mg/m^3	Benzene mg/m^3	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day
2/16/98	System startup	1,583	0	---	---		---	---							
3/24/00	System shutdown pending evaluation	12,001									60.8	60.8		---	---
4/1/00	Environmental Resolutions Inc., assumed operation of the system.														
6/28/00	System upgrades completed, system restarted.														
	A-INF	12,008	7	---	26	---	---	770.0							
	A-INT							18.1							
	A-EFF							13.3							
	System shutdown for carbon changeout, 2 x 500-pounds.														
7/11/00	System down upon arrival, restart.														
	A-INF	12,011	4	86	8	4,000	85	207.0	51	< 1.0	0.12	< 60.9	< 0.00	< 0.0	< 0.01
	A-INT							9.1	< 10	< 1.0					
	A-EFF							0.0	< 10	< 1.0					
7/20/00	A-INF	12,226	215	78	9	4,500	97	42.3							
	A-INT							2.4							
	A-EFF							0.0							
7/31/00	A-INF	12,493	267	87	9	4,500	95	266.0							
	A-INT							73.0							
	A-EFF							41.2							
	System shutdown for carbon changout, 2 x 500-pounds.														
8/10/00	System down upon arrival for carbon changeout. System running on departure.														
	A-INF	12,733	0	80	30	800	17	53.5	43	< 1	7.17	< 68.1	< 0.15	< 0.2	< 0.00
	A-INT							0.0	< 10	< 1					
	A-EFF							0.0	< 10	< 1					

Notes: Data prior to April 1, 2000 provided by Delta Environmental Consultants, Inc.

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

A-INF	=	Influent vapor sample collected prior to biofilters.
A-INT1	=	Vapor sample collected after biofilters.
A-INT2	=	Vapor sample collected after 1st carbon vessel.
A-INT3	=	Vapor sample collected after 2nd carbon vessel.
A-EFF	=	Vapor sample collected from effluent sample port.
cfm	=	Cubic feet per minute.
ppmv	=	Parts per million by volume
mg/M^3	=	Milligrams per cubic meter.
---	=	Not sampled/not measured.

Removal rates are calculated using ERI SOP-25 "Hydrocarbons Removed from A Vadose Well".

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPPHg	B	T	E	X (ug/L)	TPPHg Removal Per Period (lbs)	TPPHg Removal Cumulative (lbs)	Benzene Removal Per Period (lbs)	Benzene Removal Cumulative (lbs)
10/10/94	1,331,420		W-INF	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
12/2/94	1,392,010	0.8	W-INF	65	1.9	0.9	<0.5	2.4	0.03	0.0	0.0006	0.00
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
1/13/95	1,415,980	0.4	W-INF	1,000	< 0.5	<0.5	<0.5	<0.5	0.11	0.1	0.0002	0.00
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
2/23/95	1,494,030	1.3	W-INF	57	< 0.5	<0.5	<0.5	2.7	0.34	0.5	0.0003	0.00
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
3/14/95	---		W-INF	< 50	< 0.5	<0.5	<0.5	<0.5	---	---	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
4/14/95	1,513,240	0.3	W-INF	< 50	< 0.5	<0.5	<0.5	<0.5	0.01	0.5	0.0001	0.00
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
5/18/95	1,714,850	4.1	W-INF	NS	---	---	---	---	---	---	---	---
6/30/95	1,847,330	2.1	W-INF	1,700	480	23	66	180	2.44	2.9	0.6685	0.67
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPPHg	B	T	E	X (ug/L)	TPPHg Removal Per Period (lbs)	TPPHg Removal Cumulative (lbs)	Benzene Removal Per Period (lbs)	Benzene Removal Cumulative (lbs)
7/12/95	1,908,730	3.6	W-INF	290	68	<2.0	2.4	5.6	0.51	3.4	0.1128	0.78
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
8/9/95	2,027,830	3.0	W-INF	6,600	1,700	260	370	550	3.42	6.9	0.8768	1.66
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
9/6/95	2,158,260	3.2	W-INF	120	17	0.84	1.0	3.0	3.65	10.5	0.9325	2.59
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
10/11/95	2,215,310	1.1	W-INF	160	22	0.97	1.2	4.0	0.07	10.6	0.0093	2.60
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
11/16/95	2,384,880	3.3	W-INF	120	4.9	<0.5	<0.5	5.9	0.20	10.8	0.0190	2.62
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
12/14/95	2,453,200	1.7	W-INF	450	46	16	4.6	65	0.16	10.9	0.0145	2.63
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
1/5/96	2,516,900	2.0	W-INF	240	26	2.4	1.2	20	0.18	11.1	0.0191	2.65
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPPHg Removal Per Period lbs	TPPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs
2/14/96	2,680,160	2.8	W-INF	470	43	5.5	<0.5	55	0.48	11.6	0.0469	2.70
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
3/12/96	2,767,820	2.3	W-INF	620	60	9.8	3.9	70	0.40	12.0	0.0376	2.74
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
4/16/96	2,927,390	3.2	W-INF	790	120	27	8.8	120	0.94	12.9	0.1196	2.86
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
5/7/96	2,971,100	1.4	W-INF	430	66	2.7	5	32	0.22	13.2	0.0339	2.89
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
6/11/96	3,109,730	2.8	W-INF	2,900	470	120	19	410	1.92	15.1	0.3094	3.20
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
7/9/96	3,232,330	3.0	W-INF	490	55	6.2	<0.5	110	1.73	16.8	0.2680	3.47
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
8/8/96	3,365,060	3.1	W-INF	580	49	4.6	<1.0	75	0.59	17.4	0.0575	3.53
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPPHg Removal Per Period lbs	TPPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs
9/5/96	---	---	W-INF	740	67	19	10	72	---	---	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
10/2/96	3,530,230	2.1	W-INF	980	130	39	7.8	130	1.07	18.5	0.1231	3.65
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
11/8/96	3,657,370	2.4	W-INF	480	42	7.1	0.69	79	0.77	19.2	0.0911	3.74
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
12/9/96	3,735,650	1.8	W-INF	< 50	< 0.5	<0.5	<0.5	<0.5	0.17	19.4	0.0139	3.75
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
1/21/97	3,735,730	0.0	W-INF	690	69	20	20	91	0.00	19.4	0.0000	3.75
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
2/10/97	3,735,360	0.0	W-INF	860	100	24	1.4	160	---	---	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
3/20/97	3,843,430	2.0	W-INF	86	< 0.5	<0.5	<0.5	5.1	0.43	19.8	0.0452	3.80
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Flow	Average Flowrate	Laboratory Analytical Results							TPPHg Removal		Benzene Removal	
			Sample	TPPHg		B	T	E	X	Per Period	Cumulative	Per Period	Cumulative
	gal	gpm	ID	<.....ug/L.....>						<.....lbs.....>		<.....lbs.....>	
4/3/97	3,918,650	3.7	W-INF	690		31	6.1	<5.0	89	0.24	20.1	0.0099	3.81
			W-INT	< 1,000	<	10	<10	<10	<10				
			W-EFF	< 50	<	0.5	<0.5	<0.5	<0.5				
5/7/97	4,092,720	3.6	W-INF	1,000		57	29	11	110	1.22	21.3	0.0638	3.87
			W-INT	< 50		1.1	<0.5	<0.5	<0.5				
			W-EFF	< 50	<	0.5	<0.5	<0.5	<0.5				
6/11/97	4,144,600	1.0	W-INF	570		66	14	4.7	75	0.34	21.7	0.0266	3.90
			W-INT	< 50		0.57	<0.5	<0.5	<0.5				
			W-EFF	< 50	<	0.5	<0.5	<0.5	<0.5				
6/25/97	4,273,310	---	W-EFF	< 50	<	0.5	<0.5	<0.5	<0.5	---	---	---	---
7/24/97	4,363,090	3.5	W-INF	470		25	8.8	3.7	49	0.95	22.6	0.0828	3.98
			W-INT	< 50	<	0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	<	0.5	<0.5	<0.5	<0.5				
8/4/97	4,408,100	2.8	W-INF	610		48	18	6.2	69	0.20	22.8	0.0137	4.00
			W-INT	< 50		0.76	<0.5	<0.5	<0.5				
			W-EFF	< 50	<	0.5	<0.5	<0.5	<0.5				
10/21/97	4,496,810	0.8	W-INF	250		16	5.4	2.3	29	0.32	23.1	0.0236	4.02
			W-INT	< 50	<	0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	<	0.5	<0.5	<0.5	<0.5				
11/4/97	4,553,090	2.8	W-INF	510		22	9.8	13	60	0.18	23.3	0.0089	4.03
			W-INT	< 50		0.82	<0.5	<0.5	0.5				
			W-EFF	< 50	<	0.5	<0.5	<0.5	<0.5				

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPPHg Removal Per Period lbs	TPPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs
12/5/97	4,588,340	0.8	W-INF	79	1.5	<0.5	<0.5	53	0.09	23.4	0.0034	4.03
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
1/8/98	4,625,400	0.8	W-INF	83	2.6	0.74	<0.5	5.4	0.03	23.4	0.0006	4.03
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	0.58	<0.5	0.81	1.5				
3/3/98	4,662,470	0.5	W-INF	< 50	0.54	<0.5	<0.5	0.88	0.02	23.4	0.0005	4.03
			W-INT	< 50	< 0.5	<0.5	<0.5	0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
4/2/98	4,702,760	0.9	W-INF	1,100	170	32	12	160	0.19	23.6	0.0286	4.06
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
5/4/98	4,786,330	1.8	W-INF	1,000	140	23	8.5	150	0.73	24.4	0.1079	4.17
			W-INT	< 50	< 0.5	<0.5	<0.5	0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
6/10/98	4,852,030	1.2	W-INF	670	110	16	7.6	74	0.46	24.8	0.0684	4.24
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
7/7/98	4,951,910	2.6	W-INF	690	91	13	6.3	55	0.57	25.4	0.0836	4.32
			W-INT	< 200	< 2.0	<2.0	<2.0	<2.0				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPPHg Removal Per Period lbs	TPPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs
8/4/98	5,039,980	2.2	W-INF	230	36	6.4	2.5	17	0.34	25.7	0.0466	4.37
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
9/3/98	5,080,850	0.9	W-INF	280	13	2.0	6.4	21	0.09	25.8	0.0083	4.38
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
10/20/98	NM		W-INF	740	43	54	25	110	---	---	---	---
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
11/9/98	5,232,360	1.6	W-INF	300	37	10	8.4	43	0.37	26.2	0.0315	4.41
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
12/8/98	5,284,180	1.2	W-INF	700	82	25	13	100	0.22	26.4	0.0257	4.43
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
1/13/99	5,377,930	1.8	W-INF	1,030	155	46.5	52.7	73.3	0.68	27.1	0.0925	4.53
			W-INT	< 500	< 5.0	<5.0	<5.0	<5.0				
			W-EFF	< 500	< 5.0	<5.0	<5.0	<5.0				
2/8/99	5,441,820	1.7	W-INF	260	31	9.0	2.4	33	0.34	27.4	0.0495	4.58
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPPHg Removal Per Period lbs	TPPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs
3/8/99	5,509,090	1.7	W-INF	800	87	16	8.5	140	0.30	27.7	0.0331	4.61
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
4/5/99	5,571,890	1.6	W-INF	< 500	36.6	12.2	5.84	20.9	0.34	28.0	0.0323	4.64
			W-INT	< 500	< 5.0	<5.0	<5.0	<5.0				
			W-EFF	< 500	< 5.0	<5.0	<5.0	<5.0				
5/6/99	5,621,560	1.1	W-INF	310	45	6.0	0.86	41	0.17	28.2	0.0169	4.66
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
6/7/99	5,706,250	1.8	W-INF	< 250	24.8	<2.5	<2.5	8.74	0.20	28.4	0.0246	4.68
			W-INT	< 100	< 1.0	<1.0	<1.0	<1.0				
			W-EFF	< 250	< 2.5	<2.5	<2.5	<2.5				
7/28/99	5,805,010	1.3	W-INF	< 100	7.00	<1.0	2.40	6.40	0.14	28.5	0.0131	4.70
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				
8/9/99	5,849,280	2.6	W-INF	< 500	17.1	5.88	<5.0	26.8	0.11	28.7	0.0044	4.70
			W-INT	< 250	< 2.5	<2.5	<2.5	<2.5				
			W-EFF	< 250	< 2.5	<2.5	<2.5	<2.5				
9/7/99	5,880,860	0.8	W-INF	< 500	20.4	<5.0	<5.0	31.1	0.13	28.8	0.0049	4.71
			W-INT	< 50	< 0.5	<0.5	<0.5	<0.5				
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5				

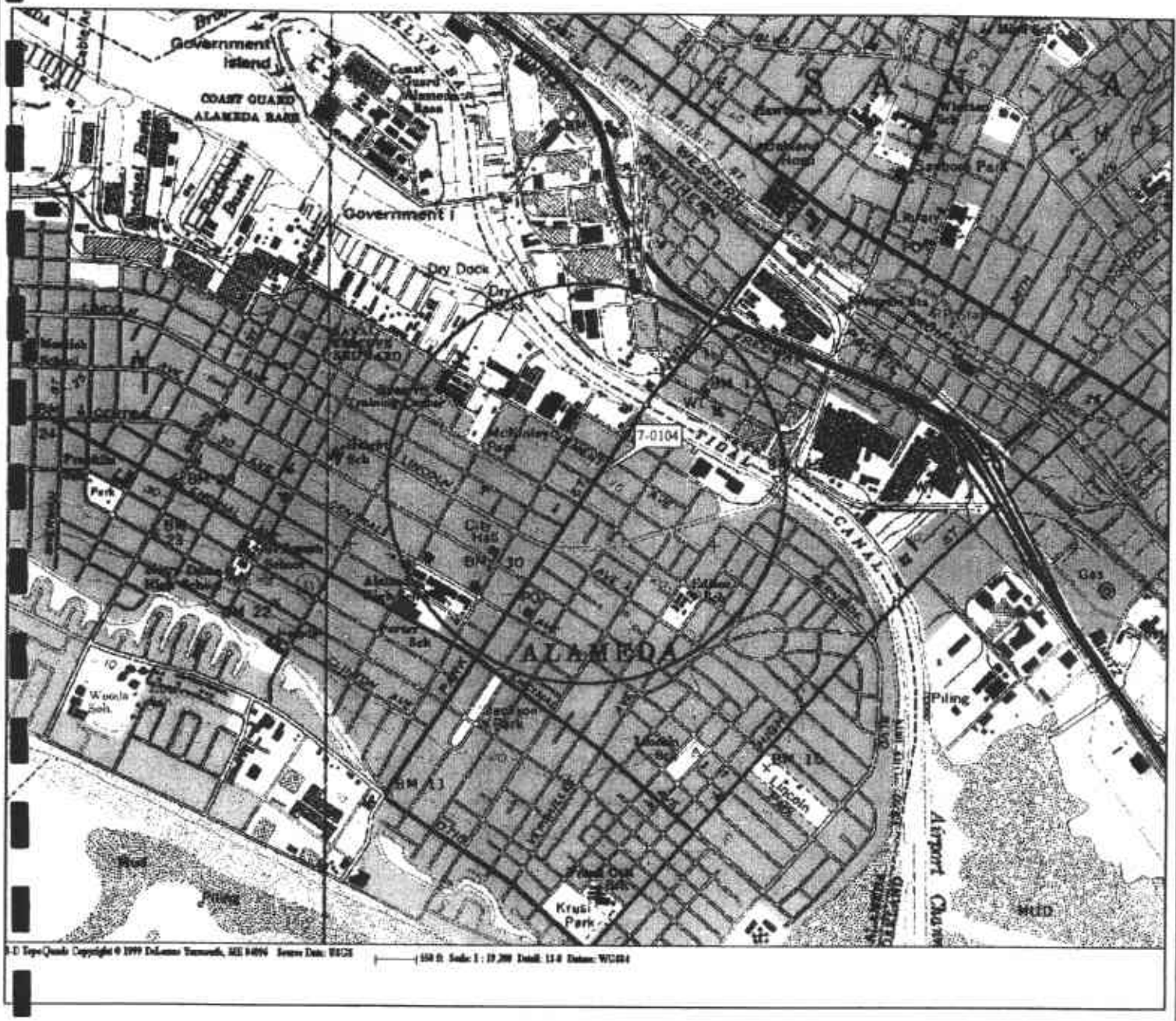
TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPPHg Removal Per Period lbs	TPPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs
10/12/99	5,966,690	1.7	W-INF	100	2	<1.0	<1.0	<1.0	0.21	29.0	0.0080	4.71
			W-INT	< 50	< 1.0	<1.0	<1.0	<1.0				
			W-EFF	< 50	< 1.0	<1.0	<1.0	<1.0				
11/18/99	5,971,540	0.1	W-INF	660	66	7.8	5.6	57	0.02	29.0	0.0014	4.72
			W-INT	< 50	< 1.0	<1.0	<1.0	<1.0				
			W-EFF	< 50	< 1.0	<1.0	<1.0	<1.0				
12/9/99	5,992,780	0.7	W-INF	200	28	3.2	2.2	22.4	0.08	29.1	0.0083	4.72
			W-INT1	< 50	< 1.0	<1.0	<1.0	<1.0				
			W-INT2	< 50	< 1.0	<1.0	<1.0	<1.0				
			W-EFF	< 50	< 1.0	<1.0	<1.0	<1.0				
1/10/00	6,035,690	0.9	W-INF	120	11	1.5	1.8	14.5	0.06	29.2	0.0070	4.73
			W-INT	< 50	< 1.0	<1.0	<1.0	<1.0				
			W-EFF	< 50	< 1.0	<1.0	<1.0	<1.0				
2/8/00	6,055,000	0.5	W-INF	130	14	<1.0	<1.0	11.9	0.02	29.2	0.3530	5.08
			MID	< 50	< 1.0	<1.0	<1.0	<1.0				
			W-EFF	< 50	< 1.0	<1.0	<1.0	<1.0				
3/24/00	6,080,125	0.4	System shutdown pending evaluation.									
3/28/00	6,080,360	0.0	W-INF	< 50	< 1.0	<1.0	<1.0	<1.0	0.02	29.2	0.0016	5.08
			MID	< 50	< 1.0	<1.0	<1.0	<1.0				
			W-EFF	< 67	< 1.0	<1.0	<1.0	<1.0				
3/28/00	System shutdown.											
4/1/00	Environmental Resolutions, Inc. assumed operation of the remediation system.											

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER REMEDIATION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Notes: Data prior to April 1, 2000 provided by Delta Environmental Consultants, Inc.

W- INF	=	Water sample collected at the influent sample location.
W-INT	=	Water sample collected at the intermediate sample location.
W-EFF	=	Water sample collected at the effluent sample location (EBMUD sample location SS#1).
gal	=	Gallons.
gpm	=	Gallons per minute.
ug/L	=	Micrograms per liter.
lbs	=	Pounds.
TPPHg	=	Total purgeable petroleum hydrocarbons as gasoline.
B	=	Benzene.
T	=	Toluene.
E	=	Ethylbenzene.
X	=	Total Xylenes.
<	=	Less than the laboratory method detection limit as indicated.
---	=	Not measured/sampled/analyzed.



EXPLANATION

1/2-mile radius circle

N

APPROXIMATE SCALE

0 .5 1 mile

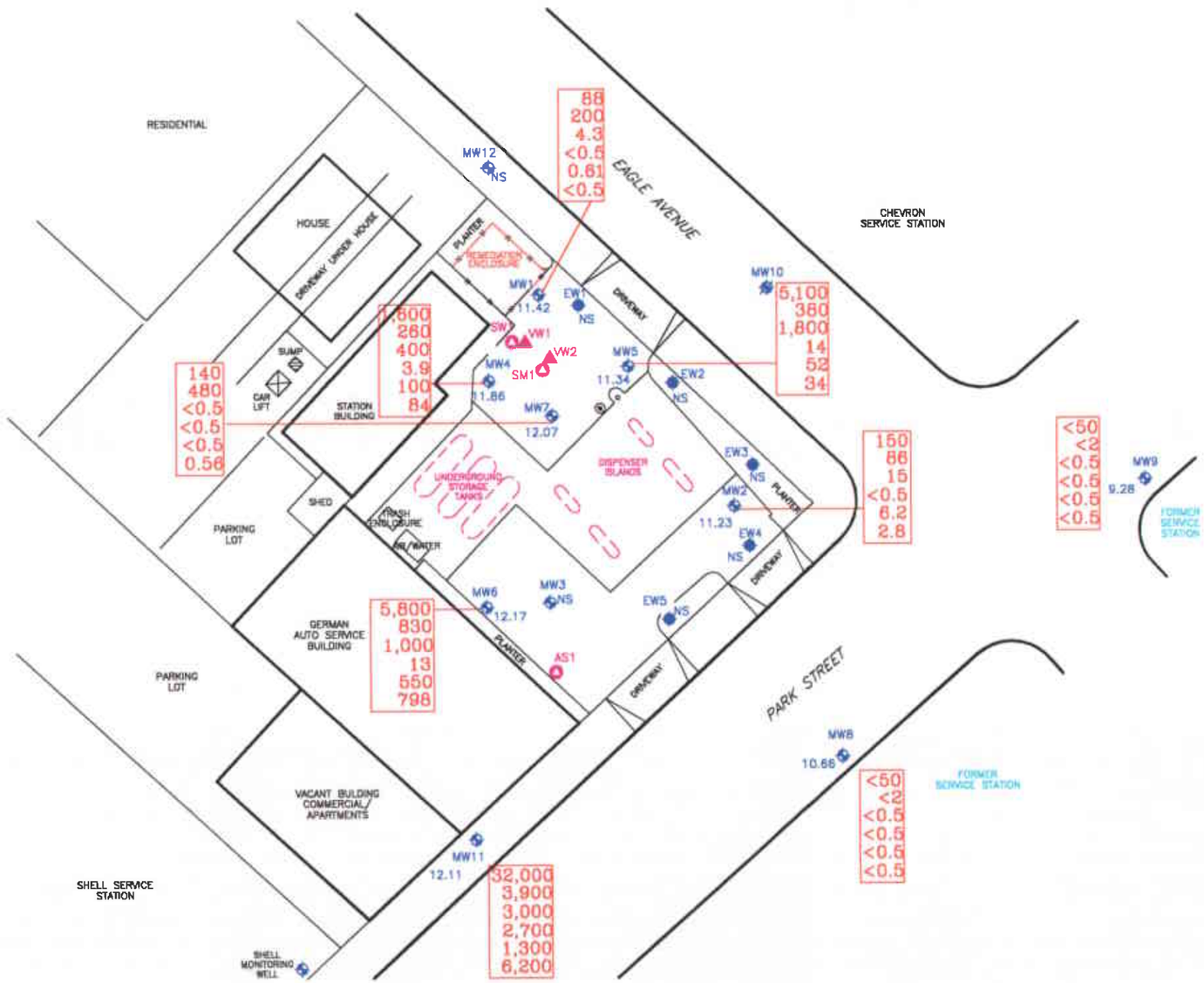
SOURCE:
Modified from a map
provided by
DeLorme 3-D TopoQuads

ERI ENVIRONMENTAL RESOLUTIONS, INC.

SITE VICINITY MAP

FORMER EXXON SERVICE STATION 7-0104
1725 Park Street
Alameda, California

PROJECT NO.
2506
PLATE
1



Groundwater Concentrations in ug/L
Sampled July 5, 2000

32,000	Total Purgeable Petroleum Hydrocarbons as gasoline
3,900	Methyl Tertiary Butyl Ether
3,000	Benzene
2,700	Toluene
1,300	Ethylbenzene
6,200	Total Xylenes
<	Less Than the Stated Laboratory Detection Limit
ug/L	Micrograms per Liter
NS	Not Sampled

APPROXIMATE SCALE

0 40 80 Feet

FN 25060002

ERI ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

FORMER
EXXON SERVICE STATION 7-0104
1725 Park Street
Alameda, California

EXPLANATION

- Groundwater Monitoring Well
- 9.28 Groundwater elevation in feet above mean sea level
- Destroyed Groundwater Monitoring Well
- Vapor Extraction Well
- Recovery Well
- Air Sparge

PROJECT NO. 2506

PLATE 2

August 29, 2000

ATTACHMENT A

GROUNDWATER SAMPLING PROTOCOL

GROUNDWATER SAMPLING PROTOCOL

The static water level and separate-phase product level, if present, in each well that contained water and/or separate-phase product are measured with a ORS Interface Probe, which is accurate to the nearest 0.01 foot. To calculate groundwater elevations and evaluate groundwater gradient, depth to water (DTW) levels are subtracted from top of casing elevations.

Groundwater samples collected for subjective evaluation are collected by gently lowering approximately half the length of a clean Teflon® or polypropylene bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples are checked for measurable free-phase hydrocarbons or sheen. If appropriate, free-phase hydrocarbons are removed from the well.

Before water samples are collected from the groundwater monitoring wells, the wells are purged until a minimum of three well casing volumes is purged and stabilization of the temperature, pH, and conductivity is obtained. Water samples from the wells that do not obtain stability of the temperature, pH, and conductivity are considered to be "grab samples". The quantity of water purged from each well is calculated as follows:

1 well casing volume = $\pi r^2 h(7.48)$ where:

r	=	radius of the well casing in feet.
h	=	column of water in the well in feet (depth to bottom - depth to water)
7.48	=	conversion constant from cubic feet to gallons
π	=	ratio of the circumference of a circle to its diameter

Gallons of water purged/gallons in 1 well casing volume = well casing volumes removed.

After purging, each well is allowed to recharge to at least 80% of the initial water level. Water samples from wells that do not recover at least 80% (due to slow recharging of the well) between purging and sampling are considered to be "grab samples". Water samples are collected with a new, disposable Teflon® or polypropylene bailer. The groundwater is carefully poured into selected sample containers (40-milliliter (ml) glass vials, 1,000 ml glass amber bottles, etc.), which are filled so as to produce a positive meniscus.

Depending on the required analysis, each sample container is preserved with hydrochloric acid, nitric acid, etc., or it is preservative free. The type of preservative used for each sample is specified on the chain of custody form.

Each vial and glass amber bottle is sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace, which would allow volatilization to occur. The samples are promptly transported in iced storage in a thermally-insulated ice chest, accompanied by a Chain of Custody Record, to a California-certified laboratory.

ATTACHMENT B

LABORATORY ANALYSIS REPORTS AND CHAIN OF CUSTODY RECORDS

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

Case Narrative for:

EXXON Company U.S.A.

Certificate of Analysis Number:

00070104

Report To:		Project Name:	2506134
Environmental Resolution, Inc.		Site:	7-0104,20003755
Jim Chappell		Site Address:	1725 Park St.
73 Digital Drive Suite 100			Alameda CA
Novato		PO Number:	EWR#20005822
California		State:	California
94949-		State Cert. No.:	
ph: (415) 382-9105	fax: (415) 382-1856	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

West, Sonia
Senior Project Manager

7/20/00
Date

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

EXXON Company U.S.A.

Certificate of Analysis Number:

00070104

Report To:	Environmental Resolution, Inc. Jim Chappell 73 Digital Drive Suite 100 Novato California 94949- ph: (415) 382-9105 fax: (415) 382-1856	**Project Name:**	2506134
		Site:	7-0104,20003755
		Site Address:	1725 Park St. Alameda CA
		PO Number:	EWR#20005822
		State:	California
		State Cert. No.:	
x To:	*Environmental Resolution, Inc.* *Jim Chappell* *fax: (415) 382-1856*	**Date Reported:**	

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
W-BB-MW8	00070104-01	Water	7/5/00	7/7/00 10:00:00 AM		☐
W-BB-MW8	00070104-01	Water	7/5/00	7/7/00 10:00:00 AM		☑
W-5-MW8	00070104-02	Water	7/5/00	7/7/00 10:00:00 AM		☐
W-5-MW8	00070104-02	Water	7/5/00	7/7/00 10:00:00 AM		☑
W-6-MW9	00070104-03	Water	7/5/00	7/7/00 10:00:00 AM		☐
W-6-MW9	00070104-03	Water	7/5/00	7/7/00 10:00:00 AM		☑
W-6-MW1	00070104-04	Water	7/5/00	7/7/00 10:00:00 AM		☐
W-6-MW1	00070104-04	Water	7/5/00	7/7/00 10:00:00 AM		☑
W-5-MW2	00070104-05	Water	7/5/00	7/7/00 10:00:00 AM		☐
W-5-MW2	00070104-05	Water	7/5/00	7/7/00 10:00:00 AM		☑
W-5-MW7	00070104-06	Water	7/5/00	7/7/00 10:00:00 AM		☐
W-5-MW7	00070104-06	Water	7/5/00	7/7/00 10:00:00 AM		☑
W-5-MW6	00070104-07	Water	7/5/00	7/7/00 10:00:00 AM		☐
W-5-MW6	00070104-07	Water	7/5/00	7/7/00 10:00:00 AM		☑
W-6-MW4	00070104-08	Water	7/5/00	7/7/00 10:00:00 AM		☐
W-6-MW4	00070104-08	Water	7/5/00	7/7/00 10:00:00 AM		☑
W-7-MW5	00070104-09	Water	7/5/00	7/7/00 10:00:00 AM		☐
W-7-MW5	00070104-09	Water	7/5/00	7/7/00 10:00:00 AM		☑
W-5-MW11	00070104-10	Water	7/5/00	7/7/00 10:00:00 AM		☐
W-5-MW11	00070104-10	Water	7/5/00	7/7/00 10:00:00 AM		☑
TB 4/6/00	00070104-11	Water	7/5/00	7/7/00 10:00:00 AM		☐

Sonia West

7/20/00

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: W-BB-MW8 **Collected:** 7/5/00 **SPL Sample ID:** 00070104-01

Site: 7-0104,20003755

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		07/11/00 3:26	D_R	331562
Surr: 1,4-Difluorobenzene	92.6	%	62-144	1		07/11/00 3:26	D_R	331562
Surr: 4-Bromofluorobenzene	87.6	%	44-153	1		07/11/00 3:26	D_R	331562
PURGEABLE AROMATICS			MCL	SW8021B		Units: ug/L		
Benzene	ND		0.5	1		07/11/00 3:26	D_R	330797
Ethylbenzene	ND		0.5	1		07/11/00 3:26	D_R	330797
Methyl tert-butyl ether	ND		2	1		07/11/00 3:26	D_R	330797
Toluene	ND		0.5	1		07/11/00 3:26	D_R	330797
m,p-Xylene	ND		0.5	1		07/11/00 3:26	D_R	330797
o-Xylene	ND		0.5	1		07/11/00 3:26	D_R	330797
Xylenes,Total	ND		0.5	1		07/11/00 3:26	D_R	330797
Surr: 1,4-Difluorobenzene	98.1	%	72-137	1		07/11/00 3:26	D_R	330797
Surr: 4-Bromofluorobenzene	81.3	%	48-156	1		07/11/00 3:26	D_R	330797

Sonia West

West, Sonia
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
MI - Matrix Interference

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

Client Sample ID: W-5-MW8 **Collected:** 7/5/00 **SPL Sample ID:** 00070104-02

Site: 7-0104,20003755

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		07/11/00 3:52	D_R	331563
Surr: 1,4-Difluorobenzene	93.2	%	62-144	1		07/11/00 3:52	D_R	331563
Surr: 4-Bromofluorobenzene	83.7	%	44-153	1		07/11/00 3:52	D_R	331563
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5	1		07/11/00 3:52	D_R	330798
Ethylbenzene	ND		0.5	1		07/11/00 3:52	D_R	330798
Methyl tert-butyl ether	ND		2	1		07/11/00 3:52	D_R	330798
Toluene	ND		0.5	1		07/11/00 3:52	D_R	330798
m,p-Xylene	ND		0.5	1		07/11/00 3:52	D_R	330798
o-Xylene	ND		0.5	1		07/11/00 3:52	D_R	330798
Xylenes,Total	ND		0.5	1		07/11/00 3:52	D_R	330798
Surr: 1,4-Difluorobenzene	95.3	%	72-137	1		07/11/00 3:52	D_R	330798
Surr: 4-Bromofluorobenzene	79.0	%	48-156	1		07/11/00 3:52	D_R	330798

Sonia West

West, Sonia
Project Manager

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

Client Sample ID: W-6-MW9 **Collected:** 7/5/00 **SPL Sample ID:** 00070104-03

Site: 7-0104,20003755

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		07/11/00 4:43	D_R	331565
Surr: 1,4-Difluorobenzene	93.9	%	62-144	1		07/11/00 4:43	D_R	331565
Surr: 4-Bromofluorobenzene	83.0	%	44-153	1		07/11/00 4:43	D_R	331565
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5	1		07/11/00 4:43	D_R	330800
Ethylbenzene	ND		0.5	1		07/11/00 4:43	D_R	330800
Methyl tert-butyl ether	ND		2	1		07/11/00 4:43	D_R	330800
Toluene	ND		0.5	1		07/11/00 4:43	D_R	330800
m,p-Xylene	ND		0.5	1		07/11/00 4:43	D_R	330800
o-Xylene	ND		0.5	1		07/11/00 4:43	D_R	330800
Xylenes,Total	ND		0.5	1		07/11/00 4:43	D_R	330800
Surr: 1,4-Difluorobenzene	97.6	%	72-137	1		07/11/00 4:43	D_R	330800
Surr: 4-Bromofluorobenzene	75.9	%	48-156	1		07/11/00 4:43	D_R	330800

Sonia West

West, Sonia
Project Manager

Qualifiers:

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

Client Sample ID: W-6-MW1 **Collected:** 7/5/00 **SPL Sample ID:** 00070104-04

Site: 7-0104,20003755

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	88		50	1		07/11/00 5:09	D_R	331566
Surr: 1,4-Difluorobenzene	103	%	62-144	1		07/11/00 5:09	D_R	331566
Surr: 4-Bromofluorobenzene	126	%	44-153	1		07/11/00 5:09	D_R	331566
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	4.3		0.5	1		07/11/00 5:09	D_R	330801
Ethylbenzene	0.61		0.5	1		07/11/00 5:09	D_R	330801
Methyl tert-butyl ether	200		2	1		07/11/00 5:09	D_R	330801
Toluene	ND		0.5	1		07/11/00 5:09	D_R	330801
m,p-Xylene	ND		0.5	1		07/11/00 5:09	D_R	330801
o-Xylene	ND		0.5	1		07/11/00 5:09	D_R	330801
Xylenes,Total	ND		0.5	1		07/11/00 5:09	D_R	330801
Surr: 1,4-Difluorobenzene	108	%	72-137	1		07/11/00 5:09	D_R	330801
Surr: 4-Bromofluorobenzene	94.9	%	48-156	1		07/11/00 5:09	D_R	330801

Sonia West

West, Sonia
Project Manager

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

Client Sample ID: W-9-MW2 **Collected:** 7/5/00 **SPL Sample ID:** 00070104-05

Site: 7-0104,20003755

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	150		50	1		07/11/00 5:35	D_R	331567
Surr: 1,4-Difluorobenzene	95.0	%	62-144	1		07/11/00 5:35	D_R	331567
Surr: 4-Bromofluorobenzene	98.4	%	44-153	1		07/11/00 5:35	D_R	331567
PURGEABLE AROMATICS			MCL	SW8021B		Units: ug/L		
Benzene	15		0.5	1		07/11/00 5:35	D_R	330802
Ethylbenzene	6.2		0.5	1		07/11/00 5:35	D_R	330802
Methyl tert-butyl ether	86		2	1		07/11/00 5:35	D_R	330802
Toluene	ND		0.5	1		07/11/00 5:35	D_R	330802
m,p-Xylene	1.7		0.5	1		07/11/00 5:35	D_R	330802
o-Xylene	1.1		0.5	1		07/11/00 5:35	D_R	330802
Xylenes,Total	2.8		0.5	1		07/11/00 5:35	D_R	330802
Surr: 1,4-Difluorobenzene	109	%	72-137	1		07/11/00 5:35	D_R	330802
Surr: 4-Bromofluorobenzene	83.3	%	48-156	1		07/11/00 5:35	D_R	330802

Sonia West

West, Sonia
Project Manager

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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: W-5-MW7 **Collected:** 7/5/00 **SPL Sample ID:** 00070104-06

Site: 7-0104,20003755

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	140		50	1		07/11/00 6:00	D_R	331568
Surr: 1,4-Difluorobenzene	97.6	%	62-144	1		07/11/00 6:00	D_R	331568
Surr: 4-Bromofluorobenzene	90.6	%	44-153	1		07/11/00 6:00	D_R	331568
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5	1		07/11/00 6:00	D_R	330803
Ethylbenzene	ND		0.5	1		07/11/00 6:00	D_R	330803
Methyl tert-butyl ether	480		2	1		07/11/00 6:00	D_R	330803
Toluene	ND		0.5	1		07/11/00 6:00	D_R	330803
m,p-Xylene	0.56		0.5	1		07/11/00 6:00	D_R	330803
o-Xylene	ND		0.5	1		07/11/00 6:00	D_R	330803
Xylenes,Total	0.56		0.5	1		07/11/00 6:00	D_R	330803
Surr: 1,4-Difluorobenzene	98.5	%	72-137	1		07/11/00 6:00	D_R	330803
Surr: 4-Bromofluorobenzene	79.7	%	48-156	1		07/11/00 6:00	D_R	330803

Sonia West

West, Sonia
Project Manager

Qualifiers:
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
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Client Sample ID: W-5-MW6 **Collected:** 7/5/00 **SPL Sample ID:** 00070104-07

Site: 7-0104,20003755

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	5800		250		5		07/11/00 6:26	D_R	331569
Surr: 1,4-Difluorobenzene	126	%	62-144		5		07/11/00 6:26	D_R	331569
Surr: 4-Bromofluorobenzene	181	%	44-153		5	*	07/11/00 6:26	D_R	331569
PURGEABLE AROMATICS				MCL	SW8021B		Units: ug/L		
Benzene	1000		2.5		5		07/11/00 6:26	D_R	330804
Ethylbenzene	550		2.5		5		07/11/00 6:26	D_R	330804
Methyl tert-butyl ether	830		10		5		07/11/00 6:26	D_R	330804
Toluene	13		2.5		5		07/11/00 6:26	D_R	330804
m,p-Xylene	730		2.5		5		07/11/00 6:26	D_R	330804
o-Xylene	68		2.5		5		07/11/00 6:26	D_R	330804
Xylenes,Total	798		2.5		5		07/11/00 6:26	D_R	330804
Surr: 1,4-Difluorobenzene	127	%	72-137		5		07/11/00 6:26	D_R	330804
Surr: 4-Bromofluorobenzene	115	%	48-156		5		07/11/00 6:26	D_R	330804

Sonia West

West, Sonia
Project Manager

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>MCL - Result Over Maximum Contamination Limit(MCL)
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: W-6-MW4 | Collected: 7/5/00 | SPL Sample ID: 00070104-08

Site: 7-0104,20003755

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	1600		250		5		07/17/00 15:05	D_R	337219
Surr: 1,4-Difluorobenzene	104	%	62-144		5		07/17/00 15:05	D_R	337219
Surr: 4-Bromofluorobenzene	165	%	44-153		5	*	07/17/00 15:05	D_R	337219
PURGEABLE AROMATICS				MCL	SW8021B		Units: ug/L		
Benzene	400		0.5		1		07/11/00 6:51	D_R	330849
Ethylbenzene	100		0.5		1		07/11/00 6:51	D_R	330849
Methyl tert-butyl ether	260		2		1		07/11/00 6:51	D_R	330849
Toluene	3.9		0.5		1		07/11/00 6:51	D_R	330849
m,p-Xylene	69		0.5		1		07/11/00 6:51	D_R	330849
o-Xylene	15		0.5		1		07/11/00 6:51	D_R	330849
Xylenes,Total	84		0.5		1		07/11/00 6:51	D_R	330849
Surr: 1,4-Difluorobenzene	137	%	72-137		1		07/11/00 6:51	D_R	330849
Surr: 4-Bromofluorobenzene	209	%	48-156		1	*	07/11/00 6:51	D_R	330849

Sonia West

West, Sonia
Project Manager

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

Client Sample ID: W-7-MW5 **Collected:** 7/5/00 **SPL Sample ID:** 00070104-09

Site: 7-0104,20003755

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	5100		250	5		07/11/00 7:17	D_R	331570
Surr: 1,4-Difluorobenzene	132	%	62-144	5		07/11/00 7:17	D_R	331570
Surr: 4-Bromofluorobenzene	163	%	44-153	5	*	07/11/00 7:17	D_R	331570
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	1800		2.5	5		07/11/00 7:17	D_R	330850
Ethylbenzene	52		2.5	5		07/11/00 7:17	D_R	330850
Methyl tert-butyl ether	380		10	5		07/11/00 7:17	D_R	330850
Toluene	14		2.5	5		07/11/00 7:17	D_R	330850
m,p-Xylene	28		2.5	5		07/11/00 7:17	D_R	330850
o-Xylene	6		2.5	5		07/11/00 7:17	D_R	330850
Xylenes,Total	34		2.5	5		07/11/00 7:17	D_R	330850
Surr: 1,4-Difluorobenzene	119	%	72-137	5		07/11/00 7:17	D_R	330850
Surr: 4-Bromofluorobenzene	106	%	48-156	5		07/11/00 7:17	D_R	330850

Sonia West

West, Sonia
Project Manager

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

Client Sample ID: W-5-MW11 **Collected:** 7/5/00 **SPL Sample ID:** 00070104-10

Site: 7-0104,20003755

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	32000		2500		50		07/12/00 13:53	D_R	333215
Surr: 1,4-Difluorobenzene	116	%	62-144		50		07/12/00 13:53	D_R	333215
Surr: 4-Bromofluorobenzene	115	%	44-153		50		07/12/00 13:53	D_R	333215
PURGEABLE AROMATICS				**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	3000		25		50		07/12/00 13:53	D_R	333194
Ethylbenzene	1300		25		50		07/12/00 13:53	D_R	333194
Methyl tert-butyl ether	3900		100		50		07/12/00 13:53	D_R	333194
Toluene	2700		25		50		07/12/00 13:53	D_R	333194
m,p-Xylene	4400		25		50		07/12/00 13:53	D_R	333194
o-Xylene	1800		25		50		07/12/00 13:53	D_R	333194
Xylenes,Total	6200		25		50		07/12/00 13:53	D_R	333194
Surr: 1,4-Difluorobenzene	120	%	72-137		50		07/12/00 13:53	D_R	333194
Surr: 4-Bromofluorobenzene	94.7	%	48-156		50		07/12/00 13:53	D_R	333194

Sonia West

West, Sonia
Project Manager

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

Client Sample ID: TB 4/6/00 **Collected:** 7/5/00 **SPL Sample ID:** 00070104-11

Site: 7-0104,20003755

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		07/12/00 12:11	D_R	333214
Surr: 1,4-Difluorobenzene	93.8	%	62-144		1		07/12/00 12:11	D_R	333214
Surr: 4-Bromofluorobenzene	92.6	%	44-153		1		07/12/00 12:11	D_R	333214
PURGEABLE AROMATICS				**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5		1		07/12/00 12:11	D_R	333191
Ethylbenzene	ND		0.5		1		07/12/00 12:11	D_R	333191
Methyl tert-butyl ether	ND		2		1		07/12/00 12:11	D_R	333191
Toluene	ND		0.5		1		07/12/00 12:11	D_R	333191
m,p-Xylene	ND		0.5		1		07/12/00 12:11	D_R	333191
o-Xylene	ND		0.5		1		07/12/00 12:11	D_R	333191
Xylenes,Total	ND		0.5		1		07/12/00 12:11	D_R	333191
Surr: 1,4-Difluorobenzene	100	%	72-137		1		07/12/00 12:11	D_R	333191
Surr: 4-Bromofluorobenzene	82.9	%	48-156		1		07/12/00 12:11	D_R	333191

Sonia West

West, Sonia
Project Manager

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Quality Control Documentation

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

Quality Control Report

EXXON Company U.S.A.

2506134

Analysis: Purgeable Aromatics
Method: SW8021B
WorkOrder: 00070104
Lab Batch ID: R16977

Method Blank

RunID: HP_R_000710B-330750 Units: ug/L
Analysis Date: 07/10/2000 16:24 Analyst: D_R

Analyte	Result	Rep Limit
Benzene	ND	0.50
Ethylbenzene	ND	0.50
Methyl tert-butyl ether	ND	2.0
Toluene	ND	0.50
m,p-Xylene	ND	0.50
o-Xylene	ND	0.50
Xylenes,Total	ND	0.50
Surr: 1,4-Difluorobenzene	101.4	72-137
Surr: 4-Bromofluorobenzene	81.2	48-156

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00070104-01A	W-BB-MW8
00070104-02A	W-5-MW8
00070104-03A	W-6-MW9
00070104-04A	W-6-MW1
00070104-05A	W-9-MW2
00070104-06A	W-5-MW7
00070104-07A	W-5-MW6
00070104-08A	W-6-MW4
00070104-09A	W-7-MW5

Laboratory Control Sample (LCS)

RunID: HP_R_000710B-330738 Units: ug/L
Analysis Date: 07/10/2000 15:59 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	52	105	70	130
Ethylbenzene	50	47	94	70	130
Methyl tert-butyl ether	50	47	93	70	130
Toluene	50	48	97	70	130
m,p-Xylene	100	93	93	70	130
o-Xylene	50	48	96	70	130
Xylenes,Total	150	141	94	72	117

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

Sample Spiked: 00070104-01
RunID: HP_R_000710B-330795 Units: ug/L
Analysis Date: 07/11/2000 1:18 Analyst: D_R

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	25	126	20	25	126	0.181	21	32	164
Ethylbenzene	ND	20	21	104	20	21	106	2.00	19	52	142
Methyl tert-butyl ether	ND	20	21	105	20	21	107	2.12	20	39	150

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
MI - Matrix Interference

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

Quality Control Report

EXXON Company U.S.A.

2506134

Analysis: Purgeable Aromatics
Method: SW8021B
WorkOrder: 00070104
Lab Batch ID: R16977

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

Sample Spiked: 00070104-01
RunID: HP_R_000710B-330795 Units: ug/L
Analysis Date: 07/11/2000 1:18 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
T[illegible]ene	ND	20	22	111	20	23	112	1.17	20	38	159
m,p-Xylene	ND	40	40	99.5	40	40	99.1	0.439	17	53	144
o-Xylene	ND	20	21	104	20	21	105	0.987	18	53	143
X[illegible]nes,Total	ND	60	61	102	60	61	102	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
MI - Matrix Interference

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

Quality Control Report

EXXON Company U.S.A.

2506134

Analysis: Gasoline Range Organics
Method: CA_GRO
WorkOrder: 00070104
Lab Batch ID: R17024

Method Blank

RunID: HP_R_000710C-331545 Units: mg/L
Analysis Date: 07/10/2000 17:44 Analyst: D_R

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	93.0	62-144
Surr: 4-Bromofluorobenzene	90.7	44-153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00070104-01A	W-BB-MW8
00070104-02A	W-5-MW8
00070104-03A	W-6-MW9
00070104-04A	W-6-MW1
00070104-05A	W-9-MW2
00070104-06A	W-5-MW7
00070104-07A	W-5-MW6
00070104-09A	W-7-MW5

Laboratory Control Sample (LCS)

RunID: HP_R_000710C-331551 Units: mg/L
Analysis Date: 07/11/2000 0:53 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.79	79	75	125

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

Sample Spiked: 00070104-02
RunID: HP_R_000710C-331572 Units: mg/L
Analysis Date: 07/11/2000 2:10 Analyst: D_R

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	0.79	88.2	0.9	0.77	85.7	2.91	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
MI - Matrix Interference

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

Quality Control Report

EXXON Company U.S.A.

2506134

Analysis: Purgeable Aromatics
Method: SW8021B
WorkOrder: 00070104
Lab Batch ID: R17124

Method Blank

RunID: HP_R_000712A-333190 Units: ug/L
Analysis Date: 07/12/2000 11:45 Analyst: D_R

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00070104-10A	W-5-MW11
00070104-11A	TB 4/6/00

Analyte	Result	Rep Limit
Benzene	ND	0.50
Ethylbenzene	ND	0.50
Methyl tert-butyl ether	ND	2.0
Toluene	ND	0.50
m,p-Xylene	ND	0.50
o-Xylene	ND	0.50
Xylenes,Total	ND	0.50
Surr: 1,4-Difluorobenzene	101.6	72-137
Surr: 4-Bromofluorobenzene	83.9	48-156

Laboratory Control Sample (LCS)

RunID: HP_R_000712A-333189 Units: ug/L
Analysis Date: 07/12/2000 10:21 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	54	108	70	130
Ethylbenzene	50	48	96	70	130
Methyl tert-butyl ether	50	50	100	70	130
Toluene	50	50	99	70	130
m,p-Xylene	100	96	96	70	130
o-Xylene	50	49	98	70	130
Xylenes,Total	150	145	97	70	130

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

Sample Spiked: 00070212-02
RunID: HP_R_000712A-334392 Units: ug/L
Analysis Date: 07/13/2000 17:49 Analyst: D_R

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	25	123	20	25	125	1.73	21	32	164
Ethylbenzene	ND	20	21	107	20	22	109	2.03	19	52	142
Methyl tert-butyl ether	ND	20	25	122	20	24	118	2.98	20	39	150

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
MI - Matrix Interference

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

Quality Control Report

EXXON Company U.S.A.

2506134

Analysis: Purgeable Aromatics
Method: SW8021B
WorkOrder: 00070104
Lab Batch ID: R17124

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

Sample Spiked: 00070212-02
RunID: HP_R_000712A-334392 Units: ug/L
Analysis Date: 07/13/2000 17:49 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Toluene	0.58	20	22	109	20	23	112	2.34	20	38	159
m,p-Xylene	ND	40	42	105	40	43	107	1.56	17	53	144
o-Xylene	ND	20	22	110	20	23	112	2.17	18	53	143
Xylenes, Total	ND	60	64	107	60	66	110	3.08	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
MI - Matrix Interference

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

Quality Control Report

EXXON Company U.S.A.

2506134

Analysis: Gasoline Range Organics **WorkOrder:** 00070104
Method: CA_GRO **Lab Batch ID:** R17126

Method Blank

RunID: HP_R_000712C-333216 Units: mg/L
Analysis Date: 07/12/2000 11:45 Analyst: D_R

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00070104-10A	W-5-MW11
00070104-11A	TB 4/6/00

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	93.5	62-144
Surr: 4-Bromofluorobenzene	92.3	44-153

Laboratory Control Sample (LCS)

RunID: HP_R_000712C-333212 Units: mg/L
Analysis Date: 07/12/2000 10:47 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.83	83	75	125

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

Sample Spiked: 00070212-07
RunID: HP_R_000712C-334410 Units: mg/L
Analysis Date: 07/13/2000 18:41 Analyst: D_R

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	0.15	0.9	0.95	88.9	0.9	0.94	88.4	0.539	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
MI - Matrix Interference

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

Quality Control Report

EXXON Company U.S.A.

2506134

Analysis: Gasoline Range Organics **WorkOrder:** 00070104
Method: CA_GRO **Lab Batch ID:** R17223

Method Blank

RunID: HP_R_000714A-334854 Units: mg/L
Analysis Date: 07/14/2000 11:31 Analyst: D_R

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00070104-08A	W-6-MW4

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	93.6	62-144
Surr: 4-Bromofluorobenzene	98.4	44-153

Laboratory Control Sample (LCS)

RunID: HP_R_000714A-334853 Units: mg/L
Analysis Date: 07/14/2000 11:06 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.82	82	75	125

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

Sample Spiked: 00070279-08
RunID: HP_R_000714A-337225 Units: mg/L
Analysis Date: 07/17/2000 17:05 Analyst: D_R

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	0.65	72.3	0.9	0.74	82.6	13.3	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
MI - Matrix Interference

Chain of Custody

And

Sample Receipt Checklist

EXXON COMPANY, USA. (West Coast)

CHAIN OF CUSTODY RECORD NO. 000 10104 Page 1 of 2

Exxon Engineer: DARIN ROUSE Phone: (925) 246-8768

Consultant Co. Name ERI Contact: JIM CHAPPELL

Address: 73 DIGITAL DRIVE Fax: (415) 382-1856
SUITE 100 NOVATO CA 94949

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

AFE # (Terminal Only): Consultant Project #: 250634

Location: 1725 PARK ST (City) ALAMEDA (State) CA
☐ EE ☐ C&M ☐ SDT

Consultant Work Release #: 20003753

Sampled By: JOHN MAHONEY

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H_2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	TPH/GC 8015 DRO ☐ / 8015 GRO X	BTEX 8020 X / 602 ☐	MTBE 8020 X / 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 ☐ / FLASHPOINT ☐	PURGEABLE HYDROCARBON 8010 ☐ / 601 ☐	TPH/IR 418.1 ☐	TOX/TOH ☐
TB	4/6				X				HCL	2	40 mL	X	X	X														
W-BB-MW8	3/5				X				HCL	2	40 mL	X	X	X														
W-5-MW8	3/5				X				HCL	3	40 mL	X	X	X														
W-5-MW8	3/5				X				ICE	2	1L	HOLD	—															
W-6-MW9	3/5				X				HCL	3	40 mL	X	X	X														
W-6-MW9	3/5				X				ICE	2	1L	HOLD	—															
W-6-MW1	3/5				X				HCL	3	40 mL	X	X	X														
W-6-MW1	3/5				X				ICE	2	1L	HOLD	—															
W-9-MW2	3/5				X				HCL	3	40 mL	X	X	X														
W-9-MW2	3/5				X				ICE	2	1L	HOLD	—															

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

QA/QC Level
Standard X CLP ☐ Other ☐ ____

EXXON UST CONTRACT NO. C41483

SPECIAL DETECTION LIMITS (Specify)

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

REMARKS:

LAB USE ONLY Lot # 800 DW Storage Location 32
WORK ORDER #: 000 P104 LAB WORK RELEASE #:

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler: John W. McMahoney	7/6/00	1000	Received By:
Relinquished:	Date	Time	Received By:
Relinquished:	Date	Time	Received By: Mary Barnes Way Bill #: Cooler Temp: 7/7/00 1000

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

EXXON COMPANY, USA. (West Coast)

(000104)

CHAIN OF CUSTODY RECORD NO. _____ Page 2 of 2

Exxon Engineer: DARIN ROUSE Phone: (925) 246-8768

Consultant Co. Name ERI Contact: JIM CHAPPELL

Address: 75 DIGITAL DRIVE Fax: (415) 382-1856
SUITE 100 NOVATO CA 94949

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

AFE # (Terminal Only): _____ Consultant Project #: 250613X

Location: 1725 PARK ST (City) ALAMEDA (State) CA
☐ EE ☐ C&M ☐ SDT

Consultant Work Release #: 20003753

Sampled By: JOHN MAHONEY

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H_2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	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 ☐ SEMI-VOA ☐ 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 ☐
W-5-MW7	7/5				X				HCl	3	40 mL	X	X	X														
W-5-MW7	7/5				X				ICE	2	1L	HOLD	—															
W-5-MW6	7/5				X				HCl	3	40 mL	X	X	X														
W-5-MW6	7/5				X				ICE	2	1L	HOLD	—															
W-6-MW4	7/5				X				HCl	3	40 mL	X	X	X														
W-6-MW4	7/5				X				ICE	2	1L	HOLD	—															
W-7-MW5	7/5				X				HCl	3	40 mL	X	X	X														
W-7-MW5	7/5				X				ICE	2	1L	HOLD	—															
W-5-MW11	7/5				X				HCl	3	40 mL	X	X	X														
W-5-MW11	7/5				X				ICE	2	1L	HOLD	—															

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

EXXON UST CONTRACT NO. C41483

SPECIAL DETECTION LIMITS (Specify)

REMARKS: PC

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

LAB USE ONLY Lot # Storage Location

WORK ORDER #: LAB WORK RELEASE #:

QA/QC Level: Standard X CLP ☐ Other ☐ _____

CUSTODY RECORD

	Relinquished By Sampler:	Date	Time	Received By:
	John W. McGoney	7/6/00	1000	
	Relinquished:	Date	Time	Received By:
	Relinquished:	Date	Time	Received By: Lidney Barnes 7/7/00 1055
				Way Bill #: Cooler Temp:

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

EXXON COMPANY, USA. (West Coast)

CHAIN OF CUSTODY RECORD NO. _____ Page 2 of 2

Exxon Engineer: DARIN ROUSE Phone: (925) 246-8768

Consultant Co. Name ERI Contact: JIM CHADDICK

Address: 13 DIGITAL DRIVE Fax: (415) 382-1856

SUITE 100 NOVATO CA 94949

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

AFE # (Terminal Only): _____ Consultant Project #: 250613X

Location: 1725 PARK ST (City) ALAMEDA (State) CA

☐ EE ☐ C&M ☐ SDT

Consultant Work Release #: 20003753

Sampled By: JOHN MAHONEY

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 ☐ 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 ☐ SEMI-VOA ☐ 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 ☐	OTHER
W-BB-MW8	7/5				X				ICE	2	1L	HOLD	—																

TAT

24 HR. ____* 72 HR. ____*

48 HR. ____* 96 HR. ____*

8 Business X *Contact US Prior to Sending Sample

Other ____

EXXON UST CONTRACT NO. C41483

SPECIAL DETECTION LIMITS (Specify)

REMARKS: 3L

SPECIAL REPORTING REQUIREMENTS (Specify)

PDF ☐ ☐ EDD

FAX ☐ ☐ FAX C-O-C W/REPORT

QA/QC Level

Standard X CLP ☐ Other ☐ _____

LAB USE ONLY Lot # Storage Location

WORK ORDER #: LAB WORK RELEASE #:

CUSTODY RECORD

	Relinquished By Sampler:	Date	Time	Received By:
1	John W. MaHoney	7/6/00	1000	
2	Relinquished:	Date	Time	Received By:
3	Relinquished:	Date	Time	Received By: Nancy Barrera Way Bill #

7/7/00 Cooler Temp 3.0°

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:	00070104	Received by:	Turnell, Randy
Date and Time Received:	7/7/00 10:00:00 AM	Carrier name:	FedEx
Temperature:	3		

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:
00070260

Report To:		Project Name:	2506-11XTM
Environmental Resolution, Inc.		Site:	7-0104,20003753
Jim Chappell		Site Address:	
73 Digital Drive Suite 100			
Novato		PO Number:	
California		State:	California
94949-		State Cert. No.:	
ph: (415) 382-9105	fax: (415) 382-1856	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

West, Sonia
Senior Project Manager

7/24/00
Date

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

EXXON Company U.S.A.

Certificate of Analysis Number:

00070260

Report To:	Environmental Resolution, Inc. Jim Chappell 73 Digital Drive Suite 100 Novato California 94949- ph: (415) 382-9105 fax: (415) 382-1856	Project Name:	2506-11XTM
		Site:	7-0104,20003753
		Site Address:	
		PO Number:	
		State:	California
		State Cert. No.:	
Fax To:	*Environmental Resolution, Inc.* *Jim Chappell* *fax: (415) 382-1856*	Date Reported:	

	Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
A-Inf		00070260-01	Air	7/11/00 11:45:00 AM	7/13/00 1:00:00 PM		☐
A-Int		00070260-02	Air	7/11/00 11:45:00 AM	7/13/00 1:00:00 PM		☐
A-Eff		00070260-03	Air	7/11/00 11:45:00 AM	7/13/00 1:00:00 PM		☐

Sonia West

West, Sonia
Senior Project Manager

7/24/00
Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

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

EXXON Company U.S.A.

Certificate of Analysis Number:

00070260

Report To:		Project Name:	2506-11XTM
Environmental Resolution, Inc. Jim Chappell 73 Digital Drive Suite 100 Novato California 94949- ph: (415) 382-9105 fax: (415) 382-1856		Site:	7-0104,20003753
		Site Address:	
		PO Number:	
		State:	California
		State Cert. No.:	
		Date Reported:	

Client Sample ID: A-Eff **SPL Sample ID:** 00070260-03A

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

Client Sample ID: A-Inf **SPL Sample ID:** 00070260-01A

Analyte	mg/m³		ppm(v)	
	Result	PQL	Result	PQL
Benzene	ND	1.0	ND	0.31
Toluene	3.8	1.0	1.0	0.26
Ethylbenzene	ND	1.0	ND	0.23
m,p-Xylene	3.5	1.0	0.80	0.23
o-Xylene	1.9	1.0	0.43	0.23
Xylenes,Total	5.4	1.0	1.2	0.23
TPH Air	51	10	14	2.8

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

EXXON Company U.S.A.

Certificate of Analysis Number:

00070260

Report To:		Project Name:	2506-11XTM
Environmental Resolution, Inc. Jim Chappell 73 Digital Drive Suite 100 Novato California 94949- ph: (415) 382-9105 fax: (415) 382-1856		Site:	7-0104,20003753
		Site Address:	
		PO Number:	
		State:	California
		State Cert. No.:	
		Date Reported:	

Client Sample ID: A-Int **SPL Sample ID:** 00070260-02A

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

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

Client Sample ID A-Inf **Collected:** 7/11/00 11:45:00 **SPL Sample ID:** 00070260-01

Site: 7-0104,20003753

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		07/13/00 18:53	WR	334346
Toluene	3.8		1.0	1		07/13/00 18:53	WR	334346
Ethylbenzene	ND		1.0	1		07/13/00 18:53	WR	334346
m,p-Xylene	3.5		1.0	1		07/13/00 18:53	WR	334346
o-Xylene	1.9		1.0	1		07/13/00 18:53	WR	334346
Xylenes,Total	5.4		1.0	1		07/13/00 18:53	WR	334346
Surr: 1,4-Difluorobenzene	111	%	20-150	1		07/13/00 18:53	WR	334346
Surr: 4-Bromofluorobenzene	99.5	%	58-139	1		07/13/00 18:53	WR	334346
TOTAL PETROLEUM PRODUCT IN AIR			**MCL**	**SW8015B**		**Units: mg/m³**		
TPH Air	51		10	1		07/13/00 18:53	WR	334445
Surr: 1,4-Difluorobenzene	100	%	62-144	1		07/13/00 18:53	WR	334445
Surr: 4-Bromofluorobenzene	96.7	%	44-153	1		07/13/00 18:53	WR	334445

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
MI - Matrix Interference

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

Client Sample ID A-Int **Collected:** 7/11/00 11:45:00 **SPL Sample ID:** 00070260-02

Site: 7-0104,20003753

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		07/13/00 19:22	WR	334351
Toluene	ND		1.0	1		07/13/00 19:22	WR	334351
Ethylbenzene	ND		1.0	1		07/13/00 19:22	WR	334351
m,p-Xylene	ND		1.0	1		07/13/00 19:22	WR	334351
o-Xylene	ND		1.0	1		07/13/00 19:22	WR	334351
Xylenes,Total	ND		1.0	1		07/13/00 19:22	WR	334351
Surr: 1,4-Difluorobenzene	110	%	20-150	1		07/13/00 19:22	WR	334351
Surr: 4-Bromofluorobenzene	98.2	%	58-139	1		07/13/00 19:22	WR	334351
TOTAL PETROLEUM PRODUCT IN AIR			**MCL**	**SW8015B**		**Units: mg/m³**		
TPH Air	ND		10	1		07/13/00 19:22	WR	334447
Surr: 1,4-Difluorobenzene	106	%	62-144	1		07/13/00 19:22	WR	334447
Surr: 4-Bromofluorobenzene	98.3	%	44-153	1		07/13/00 19:22	WR	334447

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
MI - Matrix Interference

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

Client Sample ID A-Eff **Collected:** 7/11/00 11:45:00 **SPL Sample ID:** 00070260-03

Site: 7-0104,20003753

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		07/13/00 16:24	WR	334337
Toluene	ND		1.0	1		07/13/00 16:24	WR	334337
Ethylbenzene	ND		1.0	1		07/13/00 16:24	WR	334337
m,p-Xylene	ND		1.0	1		07/13/00 16:24	WR	334337
o-Xylene	ND		1.0	1		07/13/00 16:24	WR	334337
Xylenes,Total	ND		1.0	1		07/13/00 16:24	WR	334337
Surr: 1,4-Difluorobenzene	110	%	20-150	1		07/13/00 16:24	WR	334337
Surr: 4-Bromofluorobenzene	94.0	%	58-139	1		07/13/00 16:24	WR	334337
TOTAL PETROLEUM PRODUCT IN AIR			**MCL**	**SW8015B**		**Units: mg/m³**		
TPH Air	ND		10	1		07/13/00 16:24	WR	334439
Surr: 1,4-Difluorobenzene	102	%	62-144	1		07/13/00 16:24	WR	334439
Surr: 4-Bromofluorobenzene	95.3	%	44-153	1		07/13/00 16:24	WR	334439

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
MI - Matrix Interference

Quality Control Documentation

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

Quality Control Report

EXXON Company U.S.A.

2506-11XTM

Analysis: Purgeable Aromatics in Air
Method: SW8020A
WorkOrder: 00070260
Lab Batch ID: R17195

Method Blank

RunID: HP_P_000713A-334330 Units: mg/m³
Analysis Date: 07/13/2000 15:25 Analyst: WR

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00070260-01A	A-Inf
00070260-02A	A-Int
00070260-03A	A-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	109.8	20-150
Surr: 4-Bromofluorobenzene	95.3	58-139

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_P_000713A-334325 Units: mg/m³
Analysis Date: 07/13/2000 14:26 Analyst: WR

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	60	94	64	53	82	13.4	34	37	117
Ethylbenzene	88	79	90	88	69	79	13.6	35	56	115
Toluene	80	71	88	80	62	78	12.9	30	25	113
m,p-Xylene	88	80	91	88	67	76	18.5	35	12	114
o-Xylene	88	79	90	88	68	77	15.4	35	15	109
Xylenes,Total	176	159	90	176	135	77	16.3	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
MI - Matrix Interference

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

Quality Control Report

EXXON Company U.S.A.

2506-11XTM

Analysis: Total Petroleum Product in Air
Method: SW8015B

WorkOrder: 00070260
Lab Batch ID: R17201

Method Blank

RunID: HP_P_000713B-334437 Units: mg/m³
Analysis Date: 07/13/2000 15:25 Analyst: WR

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00070260-01A	A-Inf
00070260-02A	A-Int
00070260-03A	A-Eff

Analyte	Result	Rep Limit
TPH Air	ND	10
Surr: 1,4-Difluorobenzene	101.2	62-144
Surr: 4-Bromofluorobenzene	95.8	44-153

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_P_000713B-334435 Units: mg/m³
Analysis Date: 07/13/2000 14:26 Analyst: WR

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	550	71	770	490	63	11.8	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
MI - Matrix Interference

Chain of Custody

And

Sample Receipt Checklist

EXXON COMPANY, USA. (West Coast)

CHAIN OF CUSTODY RECORD NO. _____ Page 1 of 1

Exxon Engineer: DARIN ROUSE Phone: 1(925)246-8768

Consultant Co. Name ERI Contact: JIM CHAPPELL

Address: 73 DIGITAL DR Fax: 1(415)382-1856
SUITE 100, NOVATO, CA, 94949

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

AFE # (Terminal Only): _____ Consultant Project #: 2506-110-TM

Location: 1725 PARK STREET (City) ALAMEDA (State) CA
☐ EE ☐ C&M ☐ SDT

Consultant Work Release #: 2000 3753

Sampled By: CARL MIKUCH

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 ☐ 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 ☐ SEMI-VOA ☐ PEST ☐ HERB ☐	METALS, TOTAL ☐ METALS, TCLP ☐	LEAD, TOTAL 239.1 ☐ 7421 ☐ LEAD, TCLP ☐	LEAD, DISSOLVED ☐ LEAD TOTAL ☐	REACTIVITY ☐ CORROSIVITY ☐ FLASH POINT ☐	OTHER: PURGEABLE HYDROCARBON 8010 ☐ 601 ☐	TPH/IR 418.1 ☐	TOX/TOH ☐
A-INF	7-11-00	1145		✓			✓		—	1	1L	X	X															
A-INT	7-11-00	1145		✓			✓		—	1	1L	X	X															
A-EFF	7-11-00	1145		✓			✓		—	1	1L	X	X															

RUSH

TAT
24 HR. ____* 72 HR. ____*
48 HR. ____* 96 HR. ____*
8 Business 10 *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: 8204193298446 50 70165
Ambient (S)

LAB USE ONLY Lot # (S) 150 Storage Location Ambient 7/13

WORK ORDER #: 00070260 LAB WORK RELEASE #:

CUSTODY RECORD

	Relinquished By Sampler:	Date	Time	Received By:
	ERI	7-12-00	1400	
	Relinquished:	Date	Time	Received By:
	Relinquished:	Date	Time	Received By: 7/13/00
				Way Bill #: Nancy Baer Cooler Temp: 13.0

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:	00070260	Received by:	Barrera, Nancy
Date and Time Received:	7/13/00 1:00:00 PM	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:

00080372

Report To:		Project Name:	2506-11x
Environmental Resolution, Inc.		Site:	7-0104,20003753
Jim Chappell		Site Address:	
73 Digital Drive Suite 100			
Novato		PO Number:	LWR#
California		State:	California
94949-		State Cert. No.:	
ph: (415) 382-9105	fax: (415) 382-1856	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

West, Sonia
Senior Project Manager

8/17/00
Date

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

EXXON Company U.S.A.

Certificate of Analysis Number:

00080372

Report To:	Environmental Resolution, Inc. Jim Chappell 73 Digital Drive Suite 100 Novato California 94949- ph: (415) 382-9105 fax: (415) 382-1856	**Project Name:**	2506-11x
		Site:	7-0104,20003753
		Site Address:	
		PO Number:	LWR#
		State:	California
		State Cert. No.:	
Fax To:	*Environmental Resolution, Inc.* *Jim Chappell* *fax: (415) 382-1856*	**Date Reported:**	

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
A-INF	00080372-01	Air	8/10/00 3:00:00 PM	8/14/00 10:00:00 AM		☐
A-INT	00080372-02	Air	8/10/00 3:00:00 PM	8/14/00 10:00:00 AM		☐
A-EFF	00080372-03	Air	8/10/00 3:00:00 PM	8/14/00 10:00:00 AM		☐

Sonia West

8/17/00

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

EXXON Company U.S.A.

Certificate of Analysis Number:

00080372

Report To:		Project Name:	2506-11x
Environmental Resolution, Inc.		Site:	7-0104,20003753
Jim Chappell		Site Address:	
73 Digital Drive Suite 100			
Novato		PO Number:	LWR#
California		State:	California
94949-		State Cert. No.:	
ph: (415) 382-9105	fax: (415) 382-1856	Date Reported:	8/17/00

Client Sample ID: A-EFF **SPL Sample ID:** 00080372-03A

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

Client Sample ID: A-INF **SPL Sample ID:** 00080372-01A

Analyte	mg/m³		ppm(v)	
	Result	PQL	Result	PQL
Benzene	ND	1.0	ND	0.31
Toluene	ND	1.0	ND	0.26
Ethylbenzene	ND	1.0	ND	0.23
m,p-Xylene	ND	1.0	ND	0.23
o-Xylene	ND	1.0	ND	0.23
Methyl tert-butyl ether	ND	1.0	ND	0.27
Xylenes,Total	ND	1.0	ND	0.23
TPH Air	43	10	12	2.8

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

EXXON Company U.S.A.

Certificate of Analysis Number:

00080372

Report To:		Project Name:	2506-11x
Environmental Resolution, Inc. Jim Chappell 73 Digital Drive Suite 100 Novato California 94949- ph: (415) 382-9105 fax: (415) 382-1856		Site:	7-0104,20003753
		Site Address:	
		PO Number:	LWR#
		State:	California
		State Cert. No.:	
		Date Reported:	8/17/00

Client Sample ID: A-INT **SPL Sample ID:** 00080372-02A

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

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

Client Sample ID A-INF **Collected:** 8/10/00 3:00:00 **SPL Sample ID:** 00080372-01

Site: 7-0104,20003753

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		08/15/00 13:35	FB	370852
Toluene	ND		1.0	1		08/15/00 13:35	FB	370852
Ethylbenzene	ND		1.0	1		08/15/00 13:35	FB	370852
Methyl tert-butyl ether	ND		1.0	1		08/15/00 13:35	FB	370852
m,p-Xylene	ND		1.0	1		08/15/00 13:35	FB	370852
o-Xylene	ND		1.0	1		08/15/00 13:35	FB	370852
Xylenes,Total	ND		1.0	1		08/15/00 13:35	FB	370852
Surr: 1,4-Difluorobenzene	106	%	20-150	1		08/15/00 13:35	FB	370852
Surr: 4-Bromofluorobenzene	84.8	%	58-139	1		08/15/00 13:35	FB	370852
TOTAL PETROLEUM PRODUCT IN AIR			**MCL**	**SW8015B**		**Units: mg/m³**		
TPH Air	43		10	1		08/15/00 13:35	FB	370892
Surr: 1,4-Difluorobenzene	96.2	%	62-144	1		08/15/00 13:35	FB	370892
Surr: 4-Bromofluorobenzene	80.8	%	44-153	1		08/15/00 13:35	FB	370892

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
MI - Matrix Interference

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

Client Sample ID A-INT **Collected:** 8/10/00 3:00:00 **SPL Sample ID:** 00080372-02

Site: 7-0104,20003753

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		08/15/00 14:05	FB	370856
Toluene	ND		1.0	1		08/15/00 14:05	FB	370856
Ethylbenzene	ND		1.0	1		08/15/00 14:05	FB	370856
Methyl tert-butyl ether	ND		1.0	1		08/15/00 14:05	FB	370856
m,p-Xylene	ND		1.0	1		08/15/00 14:05	FB	370856
o-Xylene	ND		1.0	1		08/15/00 14:05	FB	370856
Xylenes,Total	ND		1.0	1		08/15/00 14:05	FB	370856
Surr: 1,4-Difluorobenzene	110	%	20-150	1		08/15/00 14:05	FB	370856
Surr: 4-Bromofluorobenzene	80.2	%	58-139	1		08/15/00 14:05	FB	370856
TOTAL PETROLEUM PRODUCT IN AIR			**MCL**	**SW8015B**		**Units: mg/m³**		
TPH Air	ND		10	1		08/15/00 14:05	FB	370894
Surr: 1,4-Difluorobenzene	102	%	62-144	1		08/15/00 14:05	FB	370894
Surr: 4-Bromofluorobenzene	78.1	%	44-153	1		08/15/00 14:05	FB	370894

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
MI - Matrix Interference

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

Client Sample ID A-EFF **Collected:** 8/10/00 3:00:00 **SPL Sample ID:** 00080372-03

Site: 7-0104,20003753

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		08/15/00 14:34	FB	370858
Toluene	ND		1.0	1		08/15/00 14:34	FB	370858
Ethylbenzene	ND		1.0	1		08/15/00 14:34	FB	370858
Methyl tert-butyl ether	ND		1.0	1		08/15/00 14:34	FB	370858
m,p-Xylene	ND		1.0	1		08/15/00 14:34	FB	370858
o-Xylene	ND		1.0	1		08/15/00 14:34	FB	370858
Xylenes,Total	ND		1.0	1		08/15/00 14:34	FB	370858
Surr: 1,4-Difluorobenzene	114	%	20-150	1		08/15/00 14:34	FB	370858
Surr: 4-Bromofluorobenzene	80.1	%	58-139	1		08/15/00 14:34	FB	370858
TOTAL PETROLEUM PRODUCT IN AIR			**MCL**	**SW8015B**		**Units: mg/m³**		
TPH Air	ND		10	1		08/15/00 14:34	FB	370896
Surr: 1,4-Difluorobenzene	103	%	62-144	1		08/15/00 14:34	FB	370896
Surr: 4-Bromofluorobenzene	79.0	%	44-153	1		08/15/00 14:34	FB	370896

Sonia West

West, Sonia
Project Manager

Qualifiers:

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Quality Control Documentation

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

Quality Control Report

EXXON Company U.S.A.

2506-11x

Analysis: Purgeable Aromatics in Air
Method: SW8020A
WorkOrder: 00080372
Lab Batch ID: R19005

Method Blank

RunID: HP_P_000814A-369546 Units: mg/m³
Analysis Date: 08/15/2000 0:21 Analyst: FB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080372-01A	A-INF
00080372-02A	A-INT
00080372-03A	A-EFF

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	110.8	20-150
Surr: 4-Bromofluorobenzene	38.6	58-139

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_P_000814A-369544 Units: mg/m³
Analysis Date: 08/14/2000 22:16 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	60	94	64	63	98	4.5	34	37	117
Ethylbenzene	88	76	87	88	85	96	10.3	35	56	115
Methyl tert-butyl ether	364	300	83	364	320	88	5.8	30	30	175
Toluene	80	68	86	80	74	92	7.7	30	25	113
m,p-Xylene	88	73	83	88	82	93	11.3	35	12	114
o-Xylene	88	72	82	88	82	93	13.1	35	15	109
Xylenes,Total	176	145	82	176	164	93	12.3	35	12	114

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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* - Recovery Outside Advisable QC Limits
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

2506-11x

Analysis: Total Petroleum Product in Air
Method: SW8015B
WorkOrder: 00080372
Lab Batch ID: R19006

Method Blank

RunID: HP_P_000814B-369560 Units: mg/m³
Analysis Date: 08/15/2000 0:21 Analyst: FB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080372-01A	A-INF
00080372-02A	A-INT
00080372-03A	A-EFF

Analyte	Result	Rep Limit
TPH Air	ND	10
Surr: 1,4-Difluorobenzene	102.7	62-144
Surr: 4-Bromofluorobenzene	37.8	44-153

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_P_000814B-369557 Units: mg/m³
Analysis Date: 08/14/2000 22:16 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	520	67	770	570	74	9.9	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
MI - Matrix Interference

Chain of Custody

And

Sample Receipt Checklist

EXXON COMPANY, USA. (West Coast)

CHAIN OF CUSTODY RECORD NO. _____ Page ___ of ___

Exxon Engineer: Darin Roose Phone: (925) 246-8768

Consultant Co. Name ERI Contact: Jim Chappell

Address: 73 Digital Dr. Fax: (415)
Suite 100, Novato, CA 94949

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

AFE # (Terminal Only): _____ Consultant Project #: 2506-11X

Location: 1725 Park St. (City) Alameda (State) CA

☐ EE ☐ C&M ☐ SDT

Consultant Work Release #: EWR20003753

Sampled By: Chris Brown

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 ☒	BTEX 8020 ☒	MTBE 8020 ☒	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 ☐
A-INF	8/10/00	1500					X		N/A	1	1L	X	X	X													
A-INT	8/10/00	1500					X		N/A	1	1L	X	X	X													
A-EFF	8/10/00	1500					X		N/A	1	1L	X	X	X													

RUSH

Ambient

TAT

24 HR. ___* 72 HR. ___*

48 HR. ___* 96 HR. ___*

8 Business X *Contact US Prior to Sending Sample

Other ___

EXXON UST CONTRACT NO. C41483

SPECIAL DETECTION LIMITS (Specify)

REMARKS:

SPECIAL REPORTING REQUIREMENTS (Specify)

PDF ☐ ☐ EDD

FAX ☐ ☐ FAX C-O-C W/REPORT

LAB USE ONLY Lot # ND 150 Storage Location

QA/QC Level: Standard X CLP ☐ Other ☐ _____

WORK ORDER # 20080372 LAB WORK RELEASE #:

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler: Chris Brown	8/10/00	1730	Received By:
Relinquished:	Date	Time	Received By:
Relinquished:	Date	Time	Received By: Way Bill #

8/14/00 Cooler Temp: 10.5

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:	00080372	Received by:	Barrera, Nancy
Date and Time Received:	8/14/00 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 ☑	

ATTACHMENT C

AS/SVE SYSTEM OPERATION DATA PROVIDED BY PREVIOUS CONSULTANTS

OPERATIONAL DATA FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

		FIELD MEASUREMENTS			Laboratory Analytical Results		TPPHg Removal	
Date	Sample ID	Hour Meter	Hours of Operation	Flow cfm	TPPHg ppmv	Benzene ppmv	Per Period Pounds	Cumulative Pounds
2/16/98	System startup	1,583	0	---				
2/19/98	A-INF	1,652	69	48	< 2.4	< 0.031	<	< 0.1
	A-INT				< 2.4	< 0.031		
	A-EFF				< 2.4	< 0.031		
3/3/98	A-INF	1,828	176	50	< 2.4	< 0.031	<	< 0.2
	A-INT				< 2.4	< 0.031		
	A-EFF				< 2.4	< 0.031		
4/2/98	A-INF	2,184	356	52	< 2.4	< 0.031	<	< 0.5
	A-INT				< 2.4	< 0.031		
	A-EFF				< 2.4	< 0.031		
5/4/98	A-INF	2,538	354	131	17	0.44		< 5.8
	A-INT				< 2.4	< 0.031		
	A-EFF				< 2.4	< 0.031		
6/10/98	A-INF	2,940	402	131	12	0.047		< 10.0
	A-INT				4.2	< 0.031		
	A-EFF				< 2.4	< 0.031		
7/7/99	A-INF	2,940	0	131	76	2.6		< 10.0
	A-INT				---	---		
	A-EFF				< 2.4	< 0.031		
8/4/98	A-INF	3,248	308	131	34	0.94		< 19.1
	A-INT				8.8	0.27		
	A-EFF				10	< 0.031		
10/20/98	A-INF	3,249	1	131	210	6.0		< 19.3
	A-INT				< 2.4	< 0.031		
	A-EFF				< 2.4	< 0.031		
11/9/98	A-INF	3,464	215	131	13	0.056		< 21.7
	A-INT				< 2.4	< 0.031		
	A-EFF				< 2.4	< 0.031		
12/8/98	A-INF	3,798	334	131	3.1	0.034		< 22.7
	A-INT				< 2.4	< 0.031		
	A-EFF				< 2.4	< 0.031		
1/13/99	A-INF	4,264	466	131	12	< 0.031		< 27.5
	A-INT				5.6	< 0.031		
	A-EFF				< 2.4	< 0.031		
2/8/99	A-INF	4,600	336	131	< 12.1	< 0.16	<	< 31.1
	A-INT				< 12.1	< 0.16		
	A-EFF				< 12.1	< 0.16		
3/8/99	A-INF	4,919	319	131	2.7	< 0.031		< 31.8
	A-INT				< 2.4	< 0.031		

OPERATIONAL DATA FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

		FIELD MEASUREMENTS			Laboratory Analytical Results		TPPHg Removal	
Date	Sample ID	Hour Meter	Hours of Operation	Flow cfm	TPPHg ppmv	Benzene ppmv	Per Period Pounds	Cumulative Pounds
	A-EFF				< 2.4	< 0.031		
4/5/99	A-INF	4,957	38	131	42.6	0.474		< 33.3
	A-INT				4.6	< 0.0314		
	A-EFF				< 2.84	< 0.0314		
5/6/99	A-INF	5,470	513	131	11.84	0.0872		< 38.6
	A-INT				4.20	< 0.0314		
	A-EFF				4.71	< 0.0314		
5/26/99	A-INF	5,799	329	131	---	---		< 42.0
	A-INT				18.03	< 0.031		
	A-EFF				11.98	< 0.031		
8/9/99	A-INF	5,799	0	118	240	1.60		< 42.0
	A-INT				< 2.84	< 0.0314		
	A-EFF				< 2.84	< 0.0314		
9/7/99	A-INF	6,275	476	109	10.6	0.0403		< 45.7
	A-INT				6.23	< 0.0314		
	A-EFF				3.74	< 0.0314		
10/12/99	A-INF	6,638	363	122	15	< 0.31		< 50.1
	A-INT				< 2.8	< 0.31		
	A-EFF				< 2.8	< 0.31		
12/9/99	A-INF	6,686	48	109	82	1.0		< 53.0
	A-INT				< 2.8	< 0.31		
	A-EFF				< 2.8	< 0.31		
2/8/00	A-INF	7,030	344	109	31	0.59		< 60.8
	A-INT				< 2.8	< 0.31		
	A-EFF				< 2.8	< 0.31		
3/24/00	System shutdown pending evaluation							
4/1/00	Environmental Resolutions Inc., assumed operation of the system.							

Notes: Data prior to April 1, 2000 provided by Delta Environmental Consultants, Inc.

A-INF	=	Influent vapor sample collected prior to biofilters.
A-INT1	=	Vapor sample collected after biofilters.
A-INT2	=	Vapor sample collected after 1st carbon vessel.
A-EFF	=	Vapor sample collected from effluent sample port.
cfm	=	Cubic feet per minute.
ppmv	=	Parts per million by volume
---	=	Not sampled/not measured.

ATTACHMENT D

ERI SOP-25 "HYDROCARBONS REMOVED FROM A VADOSE WELL"

HYDROCARBONS REMOVED FROM A VADOSE WELL
SOP-26

Rev. 4/29/97

POUNDS OF HYDROCARBON IN AN VAPOR STREAM

INPUT DATA:
1) Vapor flow rate acfm (usually by Pitot tube)
2) Vapor pressure at the flow measuring device (in inches of H_2O) (use {-} for vacuum)
3) Vapor temperature at the flow measuring device.
4) Hydrocarbon content of vapor (usually in mg/M^3) for ppmv you need molecular weight.
5) Length of time (usually hours) over which flow rate occurred)

From periodic measurements, a calculation of total pounds of hydrocarbons removed from a well or from a system are calculated. The input data listed above are measured at a point in time. To calculate quantities removed, some assumptions must be made about what was happening between measurements. The following assumptions will be used for the sake of consistency:

ASSUMPTIONS:
1) Vapor flow for the period equals the average of the initial and final reading for the period.
2) Pressure and temperature for the entire period will be the final reading.
3) Hydrocarbon concentration for the period equals the average of the initial and final reading.
4) The hours of operation can be taken from an hour meter, an electric meter or will be assumed to be equal to the time between measurements.
5) If the unit is found down - try to determine how many hours it did operate and use the data taken for the previous period to make the calculations. Restart the unit and then take data to start the next period.

SAMPLE DATA AND CALCULATIONS

Date	Time	Temp deg F	Press in H_2O	HC conc mg/M3 acfm	Vapor flow	Calc. lb. rem.
1/6/95	11:00	70	-46	2000	120	
1/7/95	13:00	55	-50	1350	90	
1/8/95	10:00	80	-13	750	100	7.4

Calculate the pounds of hydrocarbon removed from the system during the basis period from 13:00 (1:00 pm) on the 7th to 10 am on the 8th. Pressure and temperature of the measurements (at the flow meter) must be corrected to the P and T used to report the HC concentration (which are P = 1 atm and T = 70 deg F). 1 atm = 14.7psia, 760 mm Hg, or 407 in H_2O. T_{abs} = 460 + T deg F

Hours of operation = 21, T = 80, P = -13, HC = (1350+750)/2 = 1050 mg/M^3, Flow = 95

$$21 \times 60 \times 95 \times \frac{(460+70)}{(460+80)} \times \frac{(407-13)}{407} \times \frac{28.3}{1000} \times \frac{1050}{1000} \times \frac{1}{454} = 7.4 \text{ lb}$$

$$\frac{\text{hr}}{\text{basis}} \times \frac{\text{min}}{\text{hr}} \times \frac{\text{cu ft}}{\text{min}} \times T_{Corr} \times P_{Corr} \times \frac{M^3}{\text{cu ft}} \times \frac{\text{g}}{M^3} \times \frac{\text{lb}}{\text{g}} = \frac{\text{lb}}{\text{basis}}$$

21 x 60 x 95 x 0.98 x 0.97 x 0.0283 x 1.050 x1/454 = 7.4 lb.

cumulative lbs. (the running total) = the sum of all the previous periods.

Note: If results are given in ppm, an assumption about the molecular weight of the hydrocarbon must be made to get mg/M^3. ppmv x molecular wt. /24.1 = mg/M^3. (Use 102 for gasoline)