ExxonMobil
Refining & Supply Company
2300 Clayton Road, Suite 1250
P.O. Box 4032
Concord, CA 94524-4032
(925) 246-8747 Telephone
(925) 246-8798 Facsimile
gene.n.ortega@exxon.com

Gene N. Ortega
Territory Manager
Global Remediation-US Retail

RO-448

ExxonMobil
Refining & Supply

November 21, 2001

DEC 2 0 2001

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 and Remediation Status Report***, dated November 21, 2001, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Novato, California, and details the results of monitoring, sampling, and remedial activities at the subject site.

If you have any questions or comments, please contact me at (925) 246-8747.

Sincerely,

Gene N. Ortega
Territory Manager

Attachment: ERI's Quarterly Groundwater and Remediation Status Report, dated November 21, 2001

cc: w/ attachment
Mr. Stephen Hill, California Regional Water Quality Control Board, San Francisco Bay Region
Mr. Winson B. Low, Environmental Safety and Affairs Department

w/o attachment
Mr. Scott R. Graham, Environmental Resolutions, Inc.

ENVIRONMENTAL RESOLUTIONS, INC.

November 21, 2001
ERI 250611.R05

Mr. Gene N. Ortega
ExxonMobil Oil Corporation
P.O. Box 4032
Concord, California 94524-4032

DEC 2 0 2001

Subject: Quarterly Groundwater Monitoring and Remediation Status Report, Third Quarter 2001, Former Exxon Service Station 7-0104, 1725 Park Street, Alameda, California.

Mr. Ortega:

At the request of ExxonMobil Oil Corporation (formerly Exxon Company, U.S.A.) (ExxonMobil), Environmental Resolutions, Inc. (ERI) performed the third quarter 2001 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 select site features are shown on the Generalized Site Plan (Plate 2).

GROUNDWATER MONITORING AND SAMPLING

On July 2, 2001, 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 groundwater and soil vapor extraction, the hydraulic gradient and groundwater flow direction may be affected, and therefore, were not calculated.

Laboratory Analyses and Results

ERI submitted groundwater samples to Southern Petroleum Laboratories, Inc. (SPL), a state-certified laboratory, under Chain-of-Custody protocol. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg); total petroleum hydrocarbons as diesel (TPHd); 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 also presented in Table 1 and are shown on Plate 2. The laboratory analysis report and Chain-of-Custody record are attached (Attachment B).

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 operation and performance data provided by the previous consultant are presented in Attachment C. The AS/SVE system was shutdown on March 24, 2000, pending system evaluation. At the completion of retrofit activities, ERI restarted the system 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. ERI's standard operating procedure for calculating pounds of hydrocarbons in air stream is attached (Attachment D).

Groundwater Extraction and Treatment

The groundwater remediation system (GRS) is designed to remove and treat separate-phase hydrocarbons and groundwater with dissolved hydrocarbons. 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 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

On August 7, 2001, ERI shut down the AS/SVE system due to blower failure. On August 13, 2001, ERI removed the blower for repair. ERI is awaiting replacement of the blower.

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

Period	Pounds of Hydrocarbons Removed	Gallons of Hydrocarbons Removed
06/04/01 - 09/10/01	<43.33	<7.11
To Date:	<497.9	<81.8

The table below presents the estimated amounts of hydrocarbons removed by the GRS since startup.

Period	Pounds of Hydrocarbons Removed	Gallons of Hydrocarbons Removed
To Date:	29.2	4.8

DOCUMENT DISTRIBUTION

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

Mr. Winson B. Low
Environmental and Safety Affairs Department
One Valero Place, MS-06E
San Antonio, Texas 78212

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.

Please call Mr. Scott R. Graham, ERI's assistant project manager for this site, at (415) 382-5989 with any questions regarding this project.

Sincerely,
Environmental Resolutions, Inc.

Scott R. Graham
Assistant Project Manager

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.	TPHd	TPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<....feet....>			<....ug/L....>							
MW1	09/12/94	NLPH	7.11	10.24	---	1,600a	---	200	1.9	210	6.6	---
(17.35)	10/01/94	NLPH	7.44	9.91	---	1,400a	---	200	<0.5	160	6.6	---
	01/13/95	NLPH	5.13	12.22	---	2,100a	---	410b	17	280b	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	<2.5c	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	---
	10/03/00	NLPH	6.51	10.84	---	<50	240	0.72	<0.5	<0.5	<0.5	---
	01/02/01	NLPH	6.17	11.18	---	<50	68	0.75	<0.5	<0.5	<0.5	---
	04/02/01	NLPH	7.42	9.93	---	140	4.3	<0.5	<0.5	4.1	1.1	---
	07/02/01	**NLPH**	**6.27**	**11.08**	**---**	**74**	**14**	**<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.	TPHd	TPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<	feet	>	<			ug/L				>
MW2	09/12/94	NLPH	6.71	9.96	---	31,000a	---	4,400	120	1,700	2,100	---
(16.67)	10/01/94	NLPH	7.22	9.45	---	45,000a	---	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	8,000c	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	28,000c	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	---
	10/03/00	NLPH	6.31	10.36	---	200	2,500	35	0.51	5.1	12	---
	01/02/01	---	---	---	---	---	---	---	---	---	---	---
	04/02/01	NLPH	5.00	11.67	---	<50	680	3.6	<0.5	<0.5	<0.5	---
	07/02/01	**NLPH**	**5.62**	**11.05**	**---**	**1,400**	**890**	**13**	**1.1**	**<0.5**	**1.1**	**---**

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.	TPHd	TPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
MW3	09/12/94	NLPH	6.58	10.53	---	3,100a	---	580	8	340	100	---
(17.11)	10/01/94	NLPH	6.85	10.26	---	3,800a	---	640	11	230	130	---
	01/13/95	NLPH	5.27	11.84	---	3,800a	---	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	---
	10/17/95	NLPH	7.46	9.65	---	6,100	<5.0	950	29	230	190	---
	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	---	---	---	---	---	---	---	---	---	---	---
	10/03/00	---	---	---	---	---	---	---	---	---	---	---
	01/02/01	NLPH	5.78	11.33	560d	2,700	3,100	1300	8.8	11	21.3	---
	04/02/01	NLPH	4.71	12.40	620	3,700	1,400	1,400	11	36	21	---
	07/02/01	**NLPH**	**5.82**	**11.29**	**880**	**5,300**	**1,200**	**1,300**	**32**	**30**	**730**	---

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.	TPHd	TPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
MW4	09/12/94	NLPH	6.80	10.54	---	5,200a	---	900	57	310	490	---
(17.34)	10/01/94	NLPH	7.09	10.25	---	9,100a	---	1,200	66	360	380	---
	01/13/95	NLPH	4.66	12.68	---	25,000a	---	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	---
	01/31/97	NLPH	4.22	13.12	---	6,500	40,000	1,200	28	490	130	---
	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	4,900c	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	---
	10/03/00	NLPH	6.22	11.12	---	1,600	190	280	2	64	34.10	---
	01/02/01	NLPH	5.93	11.41	---	840	1,000	210	2.5	45	28.10	---
	04/02/01	NLPH	4.89	12.45	---	1,900	320	340	8.5	110	116	---
	07/02/01	**NLPH**	**5.83**	**11.51**	**---**	**100**	**<2**	**3.9**	**<0.5**	**0.65**	**<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.	TPHd	TPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
MW5	09/12/94	NLPH	7.12	9.59	---	10,000a	---	2,300	17	320	230	---
(16.71)	10/01/94	Sheen	7.06	9.65	---	11,000a	---	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	110,000a	2,600	76	260	150	---
	01/31/97	NLPH	4.90	11.81	---	10,000	34,000c	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	15,000c	1,500	34	73	57	---
	04/14/98	---	4.30	12.41	---	---	---	---	---	---	---	---
	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	---
	10/03/00	NLPH	5.93	10.78	---	5,800	630	2,000	8.9	59	21	---
	01/02/01	NLPH	5.68	11.03	---	4,800	1,100	1,600	9.6	38	15	---
	04/02/01	NLPH	4.87	11.84	---	6,800	1,500	2,000	40	150	49	---
	07/02/01	**NLPH**	**5.77**	**10.94**	**---**	**4,100**	**960**	**1,600**	**20**	**35**	**21**	**---**

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.	TPHd	TPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<	feet	>	<			ug/L				>
MW6	09/12/94	NLPH	6.88	10.68	---	1,500a	---	150	4.4	170	85	---
(17.56)	10/01/94	NLPH	7.15	10.41	---	87a	---	120	<0.5	99	38	---
	01/13/95	NLPH	4.80	12.76	---	9,900a	---	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	700c
	01/28/98	NLPH	3.74	13.82	---	15,000	2,400c	650	2,300	900	2,700	---
	04/14/98	NLPH	3.92	13.64	---	25,000	2,100c	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	436c	1,270	980	1,100	3,320	436c
	07/09/99	NLPH	6.07	11.49	---	1,140	439	121	9.95	160	4.69	---
	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	---
	10/03/00	NLPH	6.14	11.42	---	490	3,800	61	<0.5	74	12	---
	01/02/01	---	---	---	---	---	---	---	---	---	---	---
	04/02/01	NLPH	4.70	12.86	400	16,000	450	370	690	870	3,200	---
	07/02/01	**NLPH**	**8.73**	**8.83**	**520**	**3,700**	**2,000**	**330**	**<5**	**160**	**32**	---

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.	TPHd	TPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
MW7	09/12/94	NLPH	6.43	10.69	---	6,000a	---	490	50	280	70	---
(17.12)	10/01/94	NLPH	6.71	10.41	---	8,900a	---	940	670	310	160	---
	01/13/95	NLPH	4.29	12.83	---	20,000a	---	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	250c	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	---
	10/03/00	NLPH	5.88	11.24	---	370	1,900	<0.5	0.62	<0.5	3.20	---
	01/02/01	NLPH	5.52	11.60	---	120	1,500	2.2	<0.5	<0.5	<0.5	---
	04/02/01	NLPH	4.26	12.86	---	120	1,500	0.91	<0.5	<0.5	<0.5	---
	07/02/01	**NLPH**	**5.42**	**11.70**	**---**	**110**	**740**	**4.1**	**<0.5**	**0.75**	**0.84**	**---**

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.	TPHd	TPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
MW8	09/12/94	NLPH	6.42	9.91	---	<50a	---	<0.5	<0.5	<0.5	<0.5	---
(16.33)	10/01/94	NLPH	6.62	9.71	---	<50a	---	<0.5	<0.5	<0.5	<0.5	---
	01/13/95	NLPH	5.25	11.08	---	<50a	---	<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	<0.5c	<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	---
	10/03/00	NLPH	6.02	10.31	---	<50	<2	<0.5	<0.5	<0.5	<0.5	---
	01/02/01	NLPH	5.95	10.38	140d	<50	<2	<0.5	<0.5	<0.5	<0.5	---
	04/02/01	---	---	---	---	---	---	---	---	---	---	---
	07/02/01	**NLPH**	**5.76**	**10.57**	**<50**	**<50**	**<2**	**<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.	TPHd	TPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<	feet	>	<			ug/L				>
MW9	09/12/94	NLPH	6.84	8.78	---	<50a	---	<0.5	<0.5	<0.5	<0.5	---
(15.62)	10/01/94	NLPH	6.97	8.65	---	<50a	---	<0.5	<0.5	<0.5	<0.5	---
	01/13/95	NLPH	6.18	9.44	---	<50a	---	<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	---
	10/17/95	NLPH	7.09	8.53	---	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	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	<0.5c	<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	---
	10/03/00	NLPH	6.52	9.10	---	<50	<2	<0.5	<0.5	<0.5	<0.5	---
	01/02/01	NLPH	6.53	9.09	---	<50	<2	<0.5	<0.5	<0.5	<0.5	---
	04/02/01	NLPH	6.21	9.41	---	<50	<2	<0.5	<0.5	0.57	0.73	---
	07/02/01	**NLPH**	**6.40**	**9.22**	**---**	**<50**	**<2**	**<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.	TPHd	TPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
MW10	09/12/94	NLPH	7.04	9.75	---	71a	---	<0.5	<0.5	1.6	<0.5	---
(16.79)	10/01/94	NLPH	7.30	9.49	---	330a	---	1.1	<0.5	2.8	0.73	---
	01/13/95	NLPH	6.04	10.75	---	90a	---	<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	---
	01/31/97	NLPH	5.88	10.91	---	<50	10	<0.5	<0.5	<0.5	<0.5	---
	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	310c	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	1,300c
	01/28/98	NLPH	4.77	13.27	---	35,000	6,800c	2,400	3,500	1,700	7,900	---
	04/14/98	NLPH	4.68	13.36	---	15,000	1,200c	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	---

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.	TPHd	TPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<	feet	>	<			ug/L				>
MW11 (cont)	01/13/99	NLPH	6.42	11.62	---	50,900	1,920	2,210	6,440	2,030	10,600	---
(18.04)	04/28/99	NLPH	5.30	12.74	---	59,400	2,390c	3,790	4,260	1,790	2,970	2,390c
	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	---
	10/03/00	NLPH	6.57	11.47	---	46,000	4,300	2,900	3,600	1,600	7,900	---
	01/02/01	NLPH	6.46	11.58	1,600d	44,000	4,200	3,900	3,600	1,300	6,500	---
	04/02/01	NLPH	5.44	12.60	2,000	39,000	3,100	2,600	3,600	1,500	7,500	---
	07/02/01	**NLPH**	**9.10**	**8.94**	**2,300**	**45,000**	**3,000**	**2,000**	**2,000**	**1,400**	**7,200**	**---**
MW12	10/17/95	NLPH	6.38	9.92	---	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
(16.30)	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	---
	10/30/96	NLPH	6.56	9.74	---	<50	<5.0	<0.5	<0.5	<0.5	<0.5	---
	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	---	---	---	---	---	---	---	---
	Not monitored or sampled 07/09/99 through 4/2/01.					---	---	---	---	---	---	---

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.	TPHd	TPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<	feet	>	<			ug/L				>
EW-1	09/12/94	NLPH	6.13	10.09	---	400a	---	40	<0.5	10	5.4	---
(16.22)	10/01/94	NLPH	7.63	8.59	---	3,400a	---	<0.5	4.4	30	11	---
	01/13/95	NLPH	11.46	4.76	---	680a	---	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	---	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	3.35	12.87	---	---	---	---	---	---	---	---
	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	---	---	---	---	---	---	---	---
	Not monitored or sampled 07/09/99 through present.					---	---	---	---	---	---	---
EW-2	09/12/94	NLPH	6.09	9.96	---	8,800a	---	2,000	79	180	290	---
(16.05)	10/01/94	NLPH	7.32	8.73	---	9,500a	---	1,400	6.7	700	310	---
	01/13/95	NLPH	14.38	1.67	---	5,700a	---	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	---

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.	TPHd	TPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
EW-2 (cont)	07/26/96	NLPH	16.50	-0.45	---	1,400	14,000	250	56	10	220	---
(16.05)	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	---	---	---	---	---	---	---	---
	04/28/99	NLPH	10.15	5.90	---	---	---	---	---	---	---	---
	Not monitored or sampled 07/09/99 through present.					---	---	---	---	---	---	---
EW-3	09/12/94	NLPH	6.12	9.90	---	300a	---	44	5.9	12	31	---
(16.02)	10/01/94	NLPH	10.52	5.50	---	140a	---	12	0.42	1.7	3.7	---
	01/13/95	NLPH	18.13	-2.11	---	230a	---	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	---	---	---	---	---	---	---	---

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.	TPHd	TPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<	feet	>	<			ug/L				>
EW-3(cont.)	10/19/98	NLPH	5.65	10.37	---	---	---	---	---	---	---	---
(16.02)	01/13/99	NLPH	13.85	2.17	---	---	---	---	---	---	---	---
	04/28/99	NLPH	4.52	11.50	---	---	---	---	---	---	---	---
	Not monitored or sampled 07/09/99 through present.					---	---	---	---	---	---	---
EW-4	09/12/94	NLPH	5.69	10.92	---	4,000a	---	1,700	12	210	77	---
(16.61)	10/01/94	NLPH	7.90	8.71	---	460a	---	100	1.5	15	11	---
	01/13/95	NLPH	11.36	5.25	---	520a	---	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	---	---	---	---	---	---	---	---
	Not monitored or sampled 07/09/99 through present.					---	---	---	---	---	---	---
EW-5	09/12/94	NLPH	6.30	10.21	---	180a	---	26	1.7	11	12	---
(16.51)	10/01/94	NLPH	11.83	4.68	---	130a	---	16	0.92	5.7	8.5	---
	01/13/95	NLPH	12.54	3.97	---	130a	---	0.6	0.8	0.6	2.9	---
	04/27/95	NLPH	13.11	3.40	---	---	---	---	---	---	---	---
	08/03/95	NLPH	11.99	4.52	---	70	210	<0.5	<0.5	<0.5	<0.5	---
	10/17/95	NLPH	13.43	3.08	---	78	50	1.5	<0.5	<0.5	3.0	---

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.	TPHd	TPHg	MTBE	B	T	E	X	Oxygenated Compounds
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
EW-5(cont.)	01/24/96	NLPH	9.72	6.79	---	2,500	350	280	66	22	370	---
(16.51)	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	---	---	---	---	---	---	---	---
	Not monitored or sampled 07/09/99 through present.					---	---	---	---	---	---	---

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.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
TPHd	=	Total petroleum hydrocarbons as diesel 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.
---	=	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).
d	=	Diesel-range hydrocarbons reportedly detected in bailer blank; result is suspect

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		TPHg Removal		Benzene Removal		Benzene
Date	Sample ID	Hour Meter	Hours of Operation	Temp F	Vacuum in H_2O	Flow lfm	Flow cfm	PID ppmv	TPHg mg/m^3	Benzene mg/m^3	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day
02/16/98	System startup	---	0	---	---		---	---							
03/24/00	System shutdown pending evaluation														
		12,001									< 60.8	< 60.8		---	---
04/01/00	Environmental Resolutions Inc., assumed operation of the system.														
06/28/00	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.														
07/11/00	System down upon arrival, restart.														
	A-INF	12,011	3	86	8	4,000	85	207.0	51	< 1.0	< 0.16	< 61.0	< 0.00	< 0.0	
	A-INT							9.1	< 10	< 1.0					
	A-EFF							0.0	< 10	< 1.0					< 0.01
07/20/00	System running upon arrival (VES only). System running on departure.														
	A-INF	12,226	215	78	9	4,500	97	42.3							
	A-INT							2.4							
	A-EFF							0.0							
07/31/00	System down on departure for carbon changeout (2x500 lb).														
	A-INF	12,493	267	87	9	4,500	95	266.0							
	A-INT							73.0							
	A-EFF							41.2							
08/10/00	System down upon arrival for carbon changeout. System running on departure.														
	A-INF	12,733	0	80	30	800	17	53.5	43	< 1	< 6.22	< 67.2	< 0.13	< 0.14	
	A-INT							0.0	< 10	< 1					
	A-EFF							0.0	< 10	< 1					< 0.002
08/16/00	A-INF	12,874	141	84	31.5	250	5	164.1							
	A-INT							0.0							
	A-EFF							0.0							
08/24/00	System down on departure for carbon changeout.														
	A-INF	13,065	191	76	20	2,400	52	294.0							
	A-INT							23.7							
	A-EFF							2.4							
09/12/00	System down upon arrival for carbon changeout. System running on departure.														
	A-INF	13,070	5	74	20	2,600	56	247.5	190	2.5	< 4.79	< 72.0	< 0.07	< 0.21	
	A-INT							0.0	< 10	< 1.0					
	A-EFF							0.0	< 10	< 1.0					< 0.01
09/26/00	A-INF	13,406	336	80	22	2,450	52	448.7							
	A-INT							10.7							
	A-EFF							0.0							
10/12/00	System running on arrival and down upon departure for carbon c/o. Samples taken														
	A-INF	13,786	380	67	24	2,400	53	96.4	55	< 1.0	< 17.64	< 89.6	< 0.25	< 0.46	
	A-INT							72.3	21	< 1.0					

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		TPHg Removal		Benzene Removal		Benzene
Date	Sample ID	Hour Meter	Hours of Operation	Temp F	Vacuum in H_2O	Flow lfm	Flow cfm	PID ppmv	TPHg mg/m^3	Benzene mg/m^3	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day
	A-EFF							9.0	< 10	< 1.0					< 0.005
10/30/00	System down upon arrival for carbon changeout. System running on departure.														
	A-INF	13,788	2	56	24	2,450	55	10,024	1,700	15	< 0.35	< 90.0	< 0.003	< 0.46	
	A-INT							59.1	< 10	< 1.0					
	A-EFF							0.0	< 10	< 1.0					< 0.005
11/08/00	A-INF	14,008	220	60	25	2,300	51	102.6	29	< 1.0	< 37.69	< 127.6	< 0.35	< 0.81	
	A-INT							41.8	< 10	< 1.0					
	A-EFF							Stet	< 10	< 1.0					< 0.005
11/21/00	System running upon arrival. System down upon departure for carbon changeout.														
	A-INF	14,314	306	68	25	2,300	50	322.0							
	A-INT							32.3							
	A-EFF							42.9							
12/06/00	System down upon arrival for carbon changeout. System down upon departure for carbon changeout														
12/11/00	System down on arrival due to carbon changeout. Running on departure.														
	A-INF	14,316	2	52	24	2,400	54	957	240	2.1	< 8.04	< 135.7	< 0.09	< 0.90	
	A-INT							1.2	< 10	< 1.0					
	A-EFF							3.1	< 10	< 1.0					< 0.005
12/27/00	A-INF	14,697	381	56	26	2,600	58	192.1							
	A-INT							4.8							
	A-EFF							0.0							
01/09/01	A-INF	15,012	315	56	25	2,400	54	82.4	32	< 1.0	< 19.60	< 155.3	< 0.22	< 1.12	
	A-INT							23.2	< 10	< 1.0					
	A-EFF							0.0	< 10	< 1.0					< 0.005
01/23/01	System down on departure for carbon changeout.														
	A-INF	15,353	341	60	26	2,300	51	485.0							
	A-INT							35.2							
	A-EFF							20.7							
01/31/01	A-INF	15,355	2	45	33	1,500	34	10000							
	A-INT							0							
	A-EFF							0							
02/13/01	A-INF	15,669	314	56	12	4,000	90	37.8	31	< 1.0	< 4.43	< 159.7	< 4.20	< 5.32	
	A-INT							29.5	< 10	< 1.0					
	A-EFF							0	< 10	< 1.0					< 0.008
02/27/01	System down upon departure for C/O.														
	A-INF	15,999	330	70	8	4,000	87	316							
	A-INT							37.5							
	A-EFF							73.6							
03/13/01	System down upon arrival for C/O and running upon departure. Monthly samples taken.														
	A-INF	16,002	3	65	9	4,000	88	5833	1300	6.1	< 73.16	< 232.9	< 0.39	< 5.71	
	A-INT							190.4	16	< 1.0					
	A-EFF							0	11	< 1.0					< 0.008
03/27/01	System running on arrival and departure.														
	A-INF	16,336	334	62	10	4,000	89	182.6							
	A-INT							16.8							
	A-EFF							0							
04/12/01	System running on arrival and departure.														
	A-INF	16,725	389	72	8	4,000	87	4.8							
	A-INT							2.6							
	A-EFF							0							
04/25/01	System running on arrival and departure.														
	A-INF	17,034	309	80	9	4,000	86	18.6	< 10	< 1.0	< 220.60	< 453.5	< 1.19	< 6.90	

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		TPHg Removal		Benzene Removal		Benzene
Date	Sample ID	Hour Meter	Hours of Operation	Temp F	Vacuum in H_2O	Flow lfm	Flow cfm	PID ppmv	TPHg mg/m^3	Benzene mg/m^3	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day
	A-INT							9.5	< 10	< 1.0					
	A-EFF							0	26	< 1.0					< 0.008
05/09/01	System running on arrival and departure.														
	A-INF	17,371	337	86	10	4,000	85	11.3	< 10	< 1.0	< 1.07	< 454.5	< 1.57	< 8.47	
	A-INT							3.6	< 10	< 1.0					
	A-EFF							5.9	< 10	< 1.0					< 0.008
05/24/01	System running on arrival and departure.														
	A-INF	17,734	363	86	20	3,050	65	6.2							
	A-INT							1.6							
	A-EFF							3.1							
06/04/01	System running on arrival and departure.														
	A-INF	17,992	258	80	40	500	11	496	280	< 1.0	< 16.05	< 470.6	< 0.11	< 8.58	
	A-INT							19.7	< 10	< 1.0					
	A-EFF							3.2	< 10	< 1.0					< 0.001
06/19/01	System running on arrival and departure.														
	A-INF	18,353	361	80	38	500	11	140							
	A-INT							6.4							
	A-EFF							3.0							
07/02/01	System running on arrival and departure.														
	A-INF	18,660	307	80	38	500	11	7.2							
	A-INT							0.0							
	A-EFF							0.0							
07/17/01	System running on arrival and departure.														
	A-INF	19,028	368	75	10	4,000	86	0.0	< 10	< 1.0	< 27.27	< 497.9	< 0.19	< 8.77	
	A-INT							0.0	< 10	< 1.0					
	A-EFF							0.0	< 10	< 1.0					< 0.008
08/07/01	System running on arrival and shut down on departure for blower failure														
	A-INF	—	—	—	—	—	—								
	A-INT		—	—	—	—	—								
	A-EFF		—	—	—	—	—								
08/13/01	System down on arrival, blower removed awaiting replacement.														
08/27/01	System down, awaiting blower replacement.														
09/10/01	System down, awaiting blower replacement.														

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-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 TPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPHg Removal Per Period lbs	TPHg 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				
12/02/94	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				
01/13/95	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				
02/23/95	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				
03/14/95	---		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				
04/14/95	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				
05/18/95	1,714,850	4.1	W-INF	NS	---	---	---	---	---	---	---	---
06/30/95	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				
07/12/95	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				

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 TPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPHg Removal Per Period lbs	TPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs
08/09/95	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				
09/06/95	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				
01/05/96	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				
02/14/96	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				
03/12/96	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				
04/16/96	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				

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 TPHg ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPHg Removal Per Period lbs	TPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs
05/07/96	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				
06/11/96	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				
07/09/96	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				
08/08/96	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				
09/05/96	---	---	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				
10/02/96	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				
11/08/96	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				
12/09/96	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				

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 TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	TPHg Removal Per Period (lbs)	TPHg Removal Cumulative (lbs)	Benzene Removal Per Period (lbs)	Benzene Removal Cumulative (lbs)
01/21/97	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				
02/10/97	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				
03/20/97	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				
04/03/97	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				
05/07/97	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				
06/11/97	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				
06/25/97	4,273,310	—	W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5	—	—	—	—
07/24/97	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				
08/04/97	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				

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								TPHg Removal		Benzene Removal	
			Sample		TPHg		B	T	E	X	Per Period	Cumulative	Per Period	Cumulative
	gal	gpm	ID	<	ug/L	>					< lbs >		< lbs >	
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				
11/04/97	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				
12/05/97	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				
01/08/98	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				
03/03/98	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				
04/02/98	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				
05/04/98	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				
06/10/98	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				
07/07/98	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	Average Flowrate	Laboratory Analytical Results								TPHg Removal		Benzene Removal	
			Sample		TPHg		B	T	E	X	Per Period	Cumulative	Per Period	Cumulative
	gal	gpm	ID	<.....ug/L.....>							<.....lbs.....>		<.....lbs.....>	
08/04/98	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				
09/03/98	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				
11/09/98	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				
12/08/98	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				
01/13/99	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				
02/08/99	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				
03/08/99	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				
04/05/99	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				

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

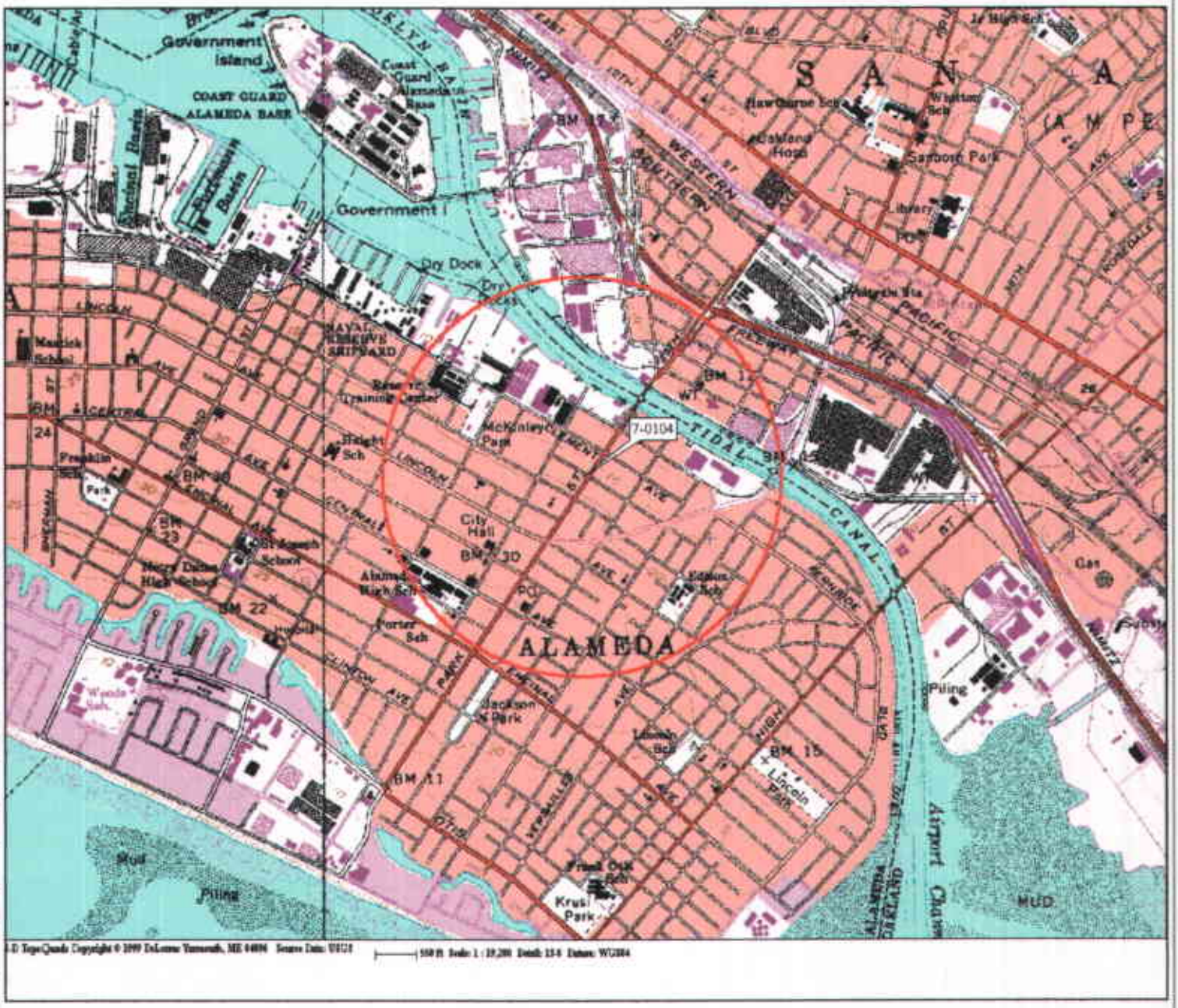
Date	Total Flow gal	Average Flowrate gpm	Laboratory Analytical Results								TPHg Removal		Benzene Removal	
			Sample ID		TPHg		B	T	E	X	Per Period	Cumulative	Per Period	Cumulative
					ug/L						lbs		lbs	
05/06/99	5,621,560	1.1	W-INF		310		45	6.0	0.86	41	0.17	28.2	0.0169	4.66
			W-INT	<	50	<	0.5	<0.5	<0.5	<0.5				
			W-EFF	<	50	<	0.5	<0.5	<0.5	<0.5				
06/07/99	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				
07/28/99	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				
08/09/99	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				
09/07/99	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				
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				
12/09/99	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				

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						TPHg Removal		Benzene Removal	
			Sample	TPHg	B	T	E	X	Per Period	Cumulative	Per Period	Cumulative
	gal	gpm	ID	<.....ug/L.....>					<.....lbs.....>		<.....lbs.....>	
01/10/00	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				
02/08/00	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				
03/24/00	6,080,125	0.4	System shutdown pending evaluation.									
03/28/00	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				
03/28/00	System shutdown upon departure.											
04/01/00	Environmental Resolutions, Inc. assumed operation of the remediation system.											

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.
TPHg	=	Total 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 0.5 1 mile

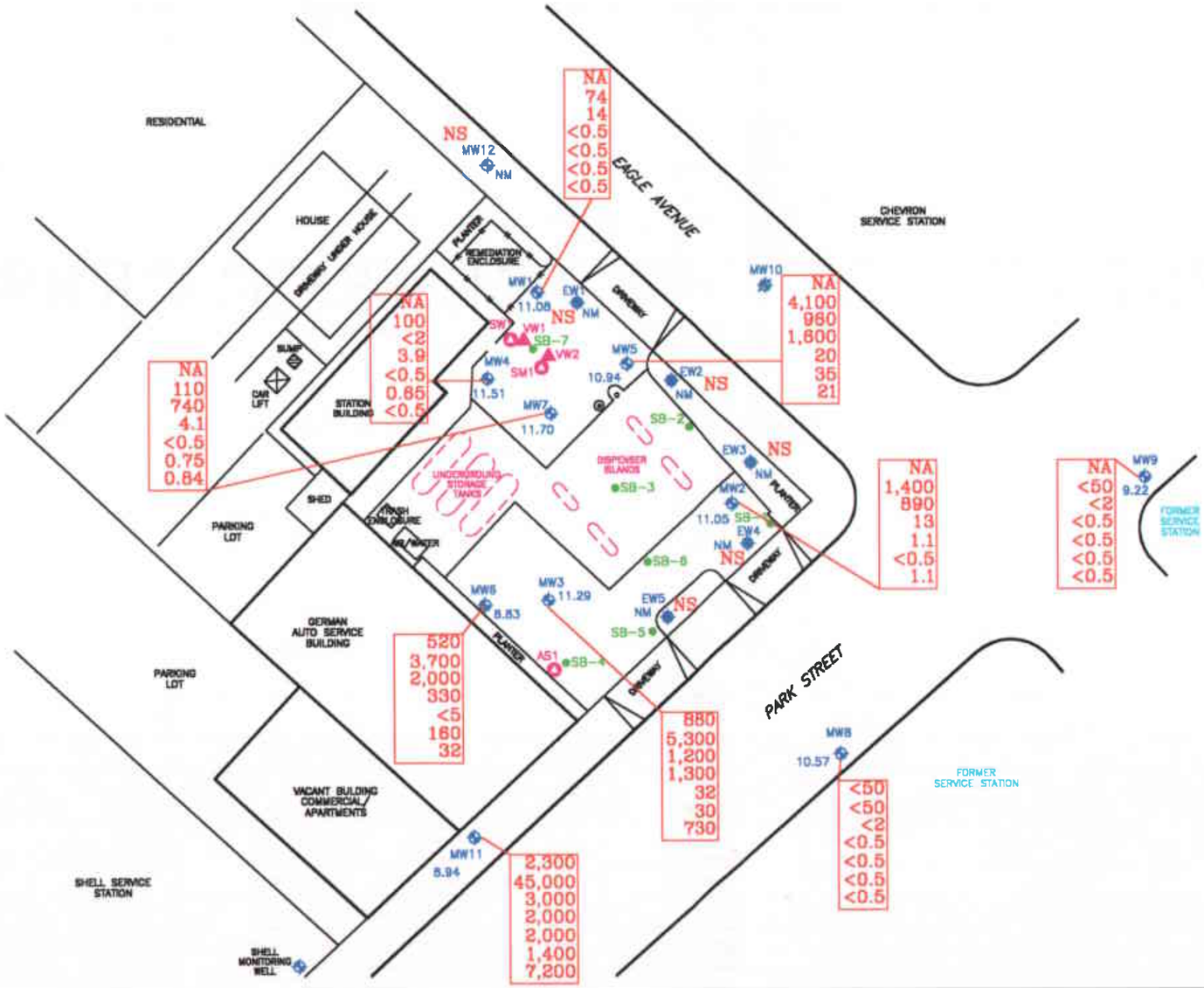
SOURCE:
Modified from a map provided by DeLorme 3-D TopoQuads

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 2, 2001

2,300	Total Petroleum Hydrocarbons as diesel
45,000	Total Petroleum Hydrocarbons as gasoline
3,000	Methyl Tertiary Butyl Ether
2,000	Benzene
2,000	Toluene
1,400	Ethylbenzene
7,200	Total Xylenes
<	Less Than the Stated Laboratory Detection Limit
ug/L	Micrograms per Liter
NS	Not Sampled
NA	Not Analyzed

FN 25060002

ERI ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

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

EXPLANATION

- MW9 — Groundwater Monitoring Well
- 9.22 — Groundwater elevation in feet above mean sea level
- MW10 — Destroyed Groundwater Monitoring Well
- VW2 — Vapor Extraction Well
- EW5 — Recovery Well
- NM = Not Measured
- AS1 — Air Sparge/Soil Vapor Well
- SB-7 — Soil Boring Location

PROJECT NO.
2506

PLATE
2
May 7, 2001

ATTACHMENT A

GROUNDWATER SAMPLING PROTOCOL

GROUNDWATER SAMPLING PROTOCOL

The static water level and separate-phase product level, if present, in each well that contains water and/or separate-phase product are measured with an 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

JUL 30 2001

EXXON Company U.S.A.

Certificate of Analysis Number:

01070652

Report To:		Project Name:	2506-11X	
Environmental Resolution, Inc.		Site:	7-0104	
Jim Chappell		Site Address:	1725 Park Street	
73 Digital Drive Suite 100			Almeda	CA
Novato		PO Number:	EWR#21040341	
California		State:	California	
94949-		State Cert. No.:	1903	
ph: (415) 382-9105	fax: (415) 382-1856	Date Reported:	7/24/01	

This Report Contains A Total Of 12 Pages

Excluding This Page

And

Chain Of Custody

7/24/01

Date

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

Case Narrative for:

EXXON Company U.S.A.

Certificate of Analysis Number:

01070652

Report To:		Project Name:	2506-11X	
Environmental Resolution, Inc.		Site:	7-0104	
Jim Chappell		Site Address:	1725 Park Street	
73 Digital Drive Suite 100			Almeda	CA
Novato		PO Number:	EWR#21040341	
California		State:	California	
94949-		State Cert. No.:	1903	
ph: (415) 382-9105	fax: (415) 382-1856	Date Reported:	7/24/01	

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Any other 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.

7/24/01

Sonia West
Senior Project Manager

Date

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

EXXON Company U.S.A.

Certificate of Analysis Number:

01070652

Report To: Environmental Resolution, Inc.
Jim Chappell
73 Digital Drive Suite 100

Novato
California
94949-
ph: (415) 382-9105 fax: (415) 382-1856

Fax To: Environmental Resolution, Inc.
Jim Chappell fax : (415) 382-1856

Project Name: 2506-11X
Site: 7-0104
Site Address: 1725 Park Street
Almeda CA
PO Number: EWR#21040341
State: California
State Cert. No.: 1903
Date Reported: 7/24/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
A-INF	01070652-01	Air	7/17/01 3:00:00 PM	7/19/01 10:00:00 AM		☐
INT	01070652-02	Air	7/17/01 3:00:00 PM	7/19/01 10:00:00 AM		☐
EFF	01070652-03	Air	7/17/01 3:00:00 PM	7/19/01 10:00:00 AM		☐
W-DRUM	01070652-04	Water	7/17/01 2:50:00 PM	7/19/01 10:00:00 AM		☐

Sonia West 7/24/01

Sonia West Date
Senior Project Manager

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:

01070652

Report To:		Project Name:	2506-11X
Environmental Resolution, Inc.		Site:	7-0104
Jim Chappell		Site Address:	1725 Park Street
73 Digital Drive Suite 100			Almeda CA
Novato		PO Number:	EWR#21040341
California		State:	California
94949-		State Cert. No.:	1903
ph: (415) 382-9105	fax: (415) 382-1856	Date Reported:	7/24/01

Client Sample ID: A-INF **SPL Sample ID:** 01070652-01A

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
Xylenes,Total	ND	1.0	ND	0.23
TPH Air	ND	10	ND	2.8

Client Sample ID: A-INT **SPL Sample ID:** 01070652-02A

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

EXXON Company U.S.A.

Certificate of Analysis Number:

01070652

Report To:		Project Name:	2506-11X
Environmental Resolution, Inc.		Site:	7-0104
Jim Chappell		Site Address:	1725 Park Street
73 Digital Drive Suite 100			Almeda CA
Novato		PO Number:	EWR#21040341
California		State:	California
94949-		State Cert. No.:	1903
ph: (415) 382-9105	fax: (415) 382-1856	Date Reported:	7/24/01

Client Sample ID: A-EFF **SPL Sample ID:** 01070652-03A

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

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

Client Sample ID A-INF **Collected:** 7/17/01 3:00:00 **SPL Sample ID:** 01070652-01

Site: 7-0104

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		07/19/01 16:26	TM	752062
Toluene	ND		1.0	1		07/19/01 16:26	TM	752062
Ethylbenzene	ND		1.0	1		07/19/01 16:26	TM	752062
m,p-Xylene	ND		1.0	1		07/19/01 16:26	TM	752062
o-Xylene	ND		1.0	1		07/19/01 16:26	TM	752062
Xylenes,Total	ND		1.0	1		07/19/01 16:26	TM	752062
Surr: 1,4-Difluorobenzene	94.3	%	20-150	1		07/19/01 16:26	TM	752062
Surr: 4-Bromofluorobenzene	102	%	58-139	1		07/19/01 16:26	TM	752062
TOTAL PETROLEUM PRODUCT IN AIR			**MCL**	**SW8015B**		**Units: mg/m³**		
TPH Air	ND		10	1		07/19/01 16:26	TM	752069
Surr: 1,4-Difluorobenzene	108	%	62-144	1		07/19/01 16:26	TM	752069
Surr: 4-Bromofluorobenzene	111	%	44-153	1		07/19/01 16:26	TM	752069

Sonia West

Sonia West
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:** 7/17/01 3:00:00 **SPL Sample ID:** 01070652-02

Site: 7-0104

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		07/19/01 17:25	TM	752063
Toluene	ND		1.0		1		07/19/01 17:25	TM	752063
Ethylbenzene	ND		1.0		1		07/19/01 17:25	TM	752063
m,p-Xylene	ND		1.0		1		07/19/01 17:25	TM	752063
o-Xylene	ND		1.0		1		07/19/01 17:25	TM	752063
Xylenes,Total	ND		1.0		1		07/19/01 17:25	TM	752063
Surr: 1,4-Difluorobenzene	94.3	%	20-150		1		07/19/01 17:25	TM	752063
Surr: 4-Bromofluorobenzene	99.3	%	58-139		1		07/19/01 17:25	TM	752063
TOTAL PETROLEUM PRODUCT IN AIR				**MCL**	**SW8015B**		**Units: mg/m³**		
TPH Air	ND		10		1		07/19/01 17:25	TM	752070
Surr: 1,4-Difluorobenzene	107	%	62-144		1		07/19/01 17:25	TM	752070
Surr: 4-Bromofluorobenzene	112	%	44-153		1		07/19/01 17:25	TM	752070

Sonia West

Sonia West
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:** 7/17/01 3:00:00 **SPL Sample ID:** 01070652-03

Site: 7-0104

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		07/19/01 17:55	TM	752064
Toluene	ND		1.0	1		07/19/01 17:55	TM	752064
Ethylbenzene	ND		1.0	1		07/19/01 17:55	TM	752064
m,p-Xylene	ND		1.0	1		07/19/01 17:55	TM	752064
o-Xylene	ND		1.0	1		07/19/01 17:55	TM	752064
Xylenes,Total	ND		1.0	1		07/19/01 17:55	TM	752064
Surr: 1,4-Difluorobenzene	96.0	%	20-150	1		07/19/01 17:55	TM	752064
Surr: 4-Bromofluorobenzene	104	%	58-139	1		07/19/01 17:55	TM	752064
TOTAL PETROLEUM PRODUCT IN AIR				**MCL**	**SW8015B**	**Units: mg/m³**		
TPH Air	ND		10	1		07/19/01 17:55	TM	752071
Surr: 1,4-Difluorobenzene	108	%	62-144	1		07/19/01 17:55	TM	752071
Surr: 4-Bromofluorobenzene	113	%	44-153	1		07/19/01 17:55	TM	752071

Sonia West

Sonia West
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 W-DRUM **Collected:** 7/17/01 2:50:00 **SPL Sample ID:** 01070652-04

Site: 7-0104

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PH			**MCL**	**E150.1**	**Units: pH Units**		
pH	3.2	0.10	1		07/19/01 12:10	DG	749083

Sonia West

Sonia West
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.

2506-11X

Analysis: Purgeable Aromatics In Air
Method: SW8020A

WorkOrder: 01070652
Lab Batch ID: R39525

Method Blank

RunID: HP_P_010719A-752061 Units: mg/m³
Analysis Date: 07/19/2001 15:56 Analyst: TM

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	94.2	20-150
Surr: 4-Bromofluorobenzene	100.1	58-139

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070652-01A	A-INF
01070652-02A	A-INT
01070652-03A	A-EFF

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

RunID: HP_P_010719A-752059 Units: mg/m³
Analysis Date: 07/19/2001 14:57 Analyst: TM

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	59	93	64	63	99	6.8	34	37	117
Ethylbenzene	88	70	79	88	80	91	13.5	35	56	115
Toluene	80	66	83	80	73	92	10.5	30	25	113
m,p-Xylene	88	71	80	88	81	92	13.1	35	12	114
o-Xylene	88	71	81	88	81	92	13.2	35	15	109
Xylenes,Total	176	142	81	176	162	92	13.2	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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: 01070652
Lab Batch ID: R39526

Method Blank

RunID: HP_P_010719B-752068 Units: mg/m³
Analysis Date: 07/19/2001 15:56 Analyst: TM

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070652-01A	A-INF
01070652-02A	A-INT
01070652-03A	A-EFF

Analyte	Result	Rep Limit
TPH Air	ND	10
Surr: 1,4-Difluorobenzene	106.8	62-144
Surr: 4-Bromofluorobenzene	109.1	44-153

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

RunID: HP_P_010719B-752066 Units: mg/m³
Analysis Date: 07/19/2001 14:57 Analyst: TM

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	660	85	770	690	89	4.9	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

EXXON Company U.S.A.

2506-11X

Analysis: pH
Method: E150.1

WorkOrder: 01070652
Lab Batch ID: R39375

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070652-04A	W-DRUM

Laboratory Control Sample (LCS)

RunID: WET_010719A-749082 Units: pH Units
Analysis Date: 07/19/2001 12:10 Analyst: DG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
pH	7	7	100	98	102

Sample Duplicate

Original Sample: 01070652-04
RunID: WET_010719A-749083 Units: pH Units
Analysis Date: 07/19/2001 12:10 Analyst: DG

Analyte	Sample Result	DUP Result	RPD	RPD Limit
pH	3.2	3.1	1	10

Qualifiers:

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

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

Sample Receipt Checklist

And

Chain of Custody

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

Sample Receipt Checklist

Workorder:	01070652	Received By:	NB
Date and Time Received:	7/19/01 10:00:00 AM	Carrier name:	FedEx
Temperature:	3	Chilled by:	Water Ice

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

SPL Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

EXXON COMPANY, USA. (West Coast)

CHAIN OF CUSTODY RECORD NO. 01070652 Page 1 of 1

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

Consultant Co. Name ERI Contact: JIM CHAPPEL

Address: 73 DIGITAL DR SUITE 108 Fax: (415) 382-1856
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 #: 21040341

Sampled By: COREY WEIAND

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 ☐	TPH/GC 8015 GRO	BTEX 8020	BTEX 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 ☐	PH
A-INF	7/17/01	1300		X			X		—	1	1L	X		X																	
A-INT	"	1500		X			X		—	1	1L	X		X																	
A-EFF	"	1500		X			X		—	1	1L	X		X																	
W-DRUM	7/17/01	1450		X	X				—	1	1/2L																				X

ANALYSIS REQUEST: (CHECK APPROPRIATE BOX)

OTHER

RUSH

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

EXXON UST CONTRACT NO. C41483

QA/QC Level
Standard X CLP ☐ Other ☐ ___

SPECIAL DETECTION LIMITS (Specify)

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

REMARKS:
818424036632 SO 5816 rec CS 30

LAB USE ONLY Lot # Storage Location

WORK ORDER #: 01070652 LAB WORK RELEASE #:

CUSTODY RECORD

	Relinquished By Sampler:	Date	Time	Received By:
		7/18/01	0900	
	Relinquished:	Date	Time	Received By:
	Relinquished:	Date	Time	Received By:

Way Bill #: Cooler Temp: 1000

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

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

EXXON Company U.S.A.

Certificate of Analysis Number:

01070097

Report To:		Project Name:	250613x	
Environmental Resolution, Inc.		Site:	7-0104	
Scott Graham		Site Address:	1725 Park Street	
73 Digital Drive Suite 100			Almeda	CA
Novato		PO Number:	EWR#21040341	
California		State:	California	
94949-		State Cert. No.:	1903	
ph: (415) 382-9105	fax: (415) 382-1856	Date Reported:	7/20/01	

This Report Contains A Total Of 33 Pages

Excluding This Page

And

Chain Of Custody

7/20/01

Date

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

Case Narrative for:

EXXON Company U.S.A.

Certificate of Analysis Number:

01070097

Report To:		Project Name:	250613x	
Environmental Resolution, Inc.		Site:	7-0104	
Scott Graham		Site Address:	1725 Park Street	
73 Digital Drive Suite 100			Almeda	CA
Novato		PO Number:	EWR#21040341	
California		State:	California	
94949-		State Cert. No.:	1903	
ph: (415) 382-9105	fax: (415) 382-1856	Date Reported:	7/20/01	

Please note that your samples "W-5-MW6", "W-5-MW3" and "W-6-MW11" (SPL ID's: 01070097-08, -10 and -11) were detected for the presence of Diesel Range Organics by California method. However, these detects do not resemble a diesel pattern.

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Any other 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.

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

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

7/20/01

Sonia West
Senior Project Manager

Date

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

EXXON Company U.S.A.

Certificate of Analysis Number:

01070097

Report To: Environmental Resolution, Inc.
Scott Graham
73 Digital Drive Suite 100

Novato
California
94949-
ph: (415) 382-9105 fax: (415) 382-1856

Fax To: Environmental Resolution, Inc.
Scott Graham fax : (415) 382-1856

Project Name: 250613x
Site: 7-0104
Site Address: 1725 Park Street
Almeda CA
PO Number: EWR#21040341
State: California
State Cert. No.: 1903
Date Reported: 7/20/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
TB 6/5/01	01070097-01	Water	7/2/01	7/5/01 9:30:00 AM		☐
W-5-MW8	01070097-02	Water	7/2/01 3:42:00 PM	7/5/01 9:30:00 AM		☐
W-6-MW9	01070097-03	Water	7/2/01 4:03:00 PM	7/5/01 9:30:00 AM		☐
W-6-MW1	01070097-04	Water	7/2/01 3:35:00 PM	7/5/01 9:30:00 AM		☐
W-6-MW4	01070097-05	Water	7/2/01 3:50:00 PM	7/5/01 9:30:00 AM		☐
W-9-MW2	01070097-06	Water	7/2/01 4:03:00 PM	7/5/01 9:30:00 AM		☐
W-5-MW5	01070097-07	Water	7/2/01 4:20:00 PM	7/5/01 9:30:00 AM		☐
W-5-MW6	01070097-08	Water	7/2/01 4:30:00 PM	7/5/01 9:30:00 AM		☐
W-5-MW7	01070097-09	Water	7/2/01 4:35:00 PM	7/5/01 9:30:00 AM		☐
W-5-MW3	01070097-10	Water	7/2/01 4:42:00 PM	7/5/01 9:30:00 AM		☐
W-6-MW11	01070097-11	Water	7/2/01 5:00:00 PM	7/5/01 9:30:00 AM		☐
W-BB-MW8	01070097-12	Water	7/2/01 3:42:00 PM	7/5/01 9:30:00 AM		☐

Sonia West
Senior Project Manager

7/20/01
Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

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

Client Sample ID TB 6/5/01 **Collected:** 7/2/01 **SPL Sample ID:** 01070097-01

Site: 7-0104

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		07/18/01 15:30	DL	749329
Surr: 1,4-Difluorobenzene	106	%	62-144	1		07/18/01 15:30	DL	749329
Surr: 4-Bromofluorobenzene	98.7	%	44-153	1		07/18/01 15:30	DL	749329
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5	1		07/18/01 15:30	DL	751151
Ethylbenzene	ND		0.5	1		07/18/01 15:30	DL	751151
Methyl tert-butyl ether	ND		2	1		07/18/01 15:30	DL	751151
Toluene	ND		0.5	1		07/18/01 15:30	DL	751151
m,p-Xylene	ND		0.5	1		07/18/01 15:30	DL	751151
o-Xylene	ND		0.5	1		07/18/01 15:30	DL	751151
Xylenes,Total	ND		0.5	1		07/18/01 15:30	DL	751151
Surr: 1,4-Difluorobenzene	90.1	%	72-137	1		07/18/01 15:30	DL	751151
Surr: 4-Bromofluorobenzene	83.3	%	48-156	1		07/18/01 15:30	DL	751151

Sonia West
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 W-5-MW8 **Collected:** 7/2/01 3:42:00 P **SPL Sample ID:** 01070097-02

Site: 7-0104

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**CA_DRO**		**Units: ug/L**		
Diesel Range Organics	ND		50	1		07/13/01 17:17	AM	744136
Surr: n-Pentacosane	73.2	%	20-150	1		07/13/01 17:17	AM	744136

Prep Method	Prep Date	Prep Initials
SW3510B	07/08/2001 8:01	KL

GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	ND		50	1		07/09/01 17:40	D_R	735512
Surr: 1,4-Difluorobenzene	106	%	62-144	1		07/09/01 17:40	D_R	735512
Surr: 4-Bromofluorobenzene	109	%	44-153	1		07/09/01 17:40	D_R	735512
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5	1		07/09/01 17:40	D_R	735467
Ethylbenzene	ND		0.5	1		07/09/01 17:40	D_R	735467
Methyl tert-butyl ether	ND		2	1		07/09/01 17:40	D_R	735467
Toluene	ND		0.5	1		07/09/01 17:40	D_R	735467
m,p-Xylene	ND		0.5	1		07/09/01 17:40	D_R	735467
o-Xylene	ND		0.5	1		07/09/01 17:40	D_R	735467
Xylenes,Total	ND		0.5	1		07/09/01 17:40	D_R	735467
Surr: 1,4-Difluorobenzene	99.2	%	72-137	1		07/09/01 17:40	D_R	735467
Surr: 4-Bromofluorobenzene	97.5	%	48-156	1		07/09/01 17:40	D_R	735467

Sonia West
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 W-6-MW9 **Collected:** 7/2/01 4:03:00 P **SPL Sample ID:** 01070097-03

Site: 7-0104

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		07/09/01 18:08	D_R	735513
Surr: 1,4-Difluorobenzene	107	%	62-144	1		07/09/01 18:08	D_R	735513
Surr: 4-Bromofluorobenzene	102	%	44-153	1		07/09/01 18:08	D_R	735513
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		0.5	1		07/09/01 18:08	D_R	735468
Ethylbenzene	ND		0.5	1		07/09/01 18:08	D_R	735468
Methyl tert-butyl ether	ND		2	1		07/09/01 18:08	D_R	735468
Toluene	ND		0.5	1		07/09/01 18:08	D_R	735468
m,p-Xylene	ND		0.5	1		07/09/01 18:08	D_R	735468
o-Xylene	ND		0.5	1		07/09/01 18:08	D_R	735468
Xylenes,Total	ND		0.5	1		07/09/01 18:08	D_R	735468
Surr: 1,4-Difluorobenzene	97.3	%	72-137	1		07/09/01 18:08	D_R	735468
Surr: 4-Bromofluorobenzene	98.5	%	48-156	1		07/09/01 18:08	D_R	735468

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

Client Sample ID W-6-MW1 **Collected:** 7/2/01 3:35:00 P **SPL Sample ID:** 01070097-04

Site: 7-0104

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS					CA_GRO		Units: ug/L		
Gasoline Range Organics	74		50		1		07/09/01 18:35	D_R	735514
Surr: 1,4-Difluorobenzene	103	%	62-144		1		07/09/01 18:35	D_R	735514
Surr: 4-Bromofluorobenzene	100	%	44-153		1		07/09/01 18:35	D_R	735514
PURGEABLE AROMATICS				MCL	SW8021B		Units: ug/L		
Benzene	ND		0.5		1		07/09/01 18:35	D_R	735469
Ethylbenzene	ND		0.5		1		07/09/01 18:35	D_R	735469
Methyl tert-butyl ether	14		2		1		07/09/01 18:35	D_R	735469
Toluene	ND		0.5		1		07/09/01 18:35	D_R	735469
m,p-Xylene	ND		0.5		1		07/09/01 18:35	D_R	735469
o-Xylene	ND		0.5		1		07/09/01 18:35	D_R	735469
Xylenes,Total	ND		0.5		1		07/09/01 18:35	D_R	735469
Surr: 1,4-Difluorobenzene	96.2	%	72-137		1		07/09/01 18:35	D_R	735469
Surr: 4-Bromofluorobenzene	104	%	48-156		1		07/09/01 18:35	D_R	735469

Sonia West

Sonia West
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 W-6-MW4 **Collected:** 7/2/01 3:50:00 P **SPL Sample ID:** 01070097-05

Site: 7-0104

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	100		50	1		07/09/01 19:02	D_R	735515
Surr: 1,4-Difluorobenzene	124	%	62-144	1		07/09/01 19:02	D_R	735515
Surr: 4-Bromofluorobenzene	92.7	%	44-153	1		07/09/01 19:02	D_R	735515
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	3.9		0.5	1		07/09/01 19:02	D_R	735470
Ethylbenzene	0.65		0.5	1		07/09/01 19:02	D_R	735470
Methyl tert-butyl ether	ND		2	1		07/09/01 19:02	D_R	735470
Toluene	ND		0.5	1		07/09/01 19:02	D_R	735470
m,p-Xylene	ND		0.5	1		07/09/01 19:02	D_R	735470
o-Xylene	ND		0.5	1		07/09/01 19:02	D_R	735470
Xylenes,Total	ND		0.5	1		07/09/01 19:02	D_R	735470
Surr: 1,4-Difluorobenzene	93.7	%	72-137	1		07/09/01 19:02	D_R	735470
Surr: 4-Bromofluorobenzene	92.1	%	48-156	1		07/09/01 19:02	D_R	735470

Sonia West

Sonia West
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 W-9-MW2 **Collected:** 7/2/01 4:03:00 P **SPL Sample ID:** 01070097-06

Site: 7-0104

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	1400		50		1		07/09/01 19:29	D_R	735516
Surr: 1,4-Difluorobenzene	106	%	62-144		1		07/09/01 19:29	D_R	735516
Surr: 4-Bromofluorobenzene	110	%	44-153		1		07/09/01 19:29	D_R	735516
PURGEABLE AROMATICS				**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	13		0.5		1		07/09/01 19:29	D_R	735471
Ethylbenzene	ND		0.5		1		07/09/01 19:29	D_R	735471
Methyl tert-butyl ether	890		20		10		07/10/01 15:20	D_R	736687
Toluene	1.1		0.5		1		07/09/01 19:29	D_R	735471
m,p-Xylene	1.1		0.5		1		07/09/01 19:29	D_R	735471
o-Xylene	ND		0.5		1		07/09/01 19:29	D_R	735471
Xylenes,Total	1.1		0.5		1		07/09/01 19:29	D_R	735471
Surr: 1,4-Difluorobenzene	90.5	%	72-137		10		07/10/01 15:20	D_R	736687
Surr: 1,4-Difluorobenzene	96.2	%	72-137		1		07/09/01 19:29	D_R	735471
Surr: 4-Bromofluorobenzene	102	%	48-156		1		07/09/01 19:29	D_R	735471
Surr: 4-Bromofluorobenzene	89.2	%	48-156		10		07/10/01 15:20	D_R	736687

Sonia West

Sonia West
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 W-5-MW5 **Collected:** 7/2/01 4:20:00 P **SPL Sample ID:** 01070097-07

Site: 7-0104

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS					CA_GRO		Units: ug/L		
Gasoline Range Organics	4100		500		10		07/10/01 15:43	D_R	737054
Surr: 1,4-Difluorobenzene	122	%	62-144		10		07/10/01 15:43	D_R	737054
Surr: 4-Bromofluorobenzene	116	%	44-153		10		07/10/01 15:43	D_R	737054
PURGEABLE AROMATICS					SW8021B		Units: ug/L		
Benzene	1600		5		10		07/10/01 15:43	D_R	736688
Ethylbenzene	35		5		10		07/10/01 15:43	D_R	736688
Methyl tert-butyl ether	960		20		10		07/10/01 15:43	D_R	736688
Toluene	20		5		10		07/10/01 15:43	D_R	736688
m,p-Xylene	21		5		10		07/10/01 15:43	D_R	736688
o-Xylene	ND		5		10		07/10/01 15:43	D_R	736688
Xylenes,Total	21		5		10		07/10/01 15:43	D_R	736688
Surr: 1,4-Difluorobenzene	106	%	72-137		10		07/10/01 15:43	D_R	736688
Surr: 4-Bromofluorobenzene	109	%	48-156		10		07/10/01 15:43	D_R	736688

Sonia West
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 W-5-MW6 **Collected:** 7/2/01 4:30:00 P **SPL Sample ID:** 01070097-08

Site: 7-0104

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				MCL	CA_DRO		Units: ug/L		
Diesel Range Organics	520		50		1		07/13/01 17:56	AM	744137
Surr: n-Pentacosane	91.2	%	20-150		1		07/13/01 17:56	AM	744137

Prep Method	Prep Date	Prep Initials
SW3510B	07/08/2001 8:01	KL

GASOLINE RANGE ORGANICS				MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	3700		500		10		07/11/01 12:33	D_R	738618
Surr: 1,4-Difluorobenzene	100	%	62-144		10		07/11/01 12:33	D_R	738618
Surr: 4-Bromofluorobenzene	102	%	44-153		10		07/11/01 12:33	D_R	738618
PURGEABLE AROMATICS				MCL	SW8021B		Units: ug/L		
Benzene	330		5		10		07/11/01 12:33	D_R	738532
Ethylbenzene	160		5		10		07/11/01 12:33	D_R	738532
Methyl tert-butyl ether	2000		20		10		07/11/01 12:33	D_R	738532
Toluene	ND		5		10		07/11/01 12:33	D_R	738532
m,p-Xylene	32		5		10		07/11/01 12:33	D_R	738532
o-Xylene	ND		5		10		07/11/01 12:33	D_R	738532
Xylenes,Total	32		5		10		07/11/01 12:33	D_R	738532
Surr: 1,4-Difluorobenzene	99.9	%	72-137		10		07/11/01 12:33	D_R	738532
Surr: 4-Bromofluorobenzene	108	%	48-156		10		07/11/01 12:33	D_R	738532

Sonia West

Sonia West
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 W-5-MW7 Collected: 7/2/01 4:35:00 P SPL Sample ID: 01070097-09

Site: 7-0104

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				**CA_GRO**			**Units: ug/L**		
Gasoline Range Organics	110		50		1		07/10/01 3:07	D_R	735705
Surr: 1,4-Difluorobenzene	100	%	62-144		1		07/10/01 3:07	D_R	735705
Surr: 4-Bromofluorobenzene	96.3	%	44-153		1		07/10/01 3:07	D_R	735705
PURGEABLE AROMATICS				**SW8021B**			**Units: ug/L**		
Benzene	4.1		0.5		1		07/10/01 3:07	D_R	735633
Ethylbenzene	0.75		0.5		1		07/10/01 3:07	D_R	735633
Methyl tert-butyl ether	740		10		5		07/11/01 12:06	D_R	738531
Toluene	ND		0.5		1		07/10/01 3:07	D_R	735633
m,p-Xylene	0.84		0.5		1		07/10/01 3:07	D_R	735633
o-Xylene	ND		0.5		1		07/10/01 3:07	D_R	735633
Xylenes,Total	0.84		0.5		1		07/10/01 3:07	D_R	735633
Surr: 1,4-Difluorobenzene	99.5	%	72-137		5		07/11/01 12:06	D_R	738531
Surr: 1,4-Difluorobenzene	105	%	72-137		1		07/10/01 3:07	D_R	735633
Surr: 4-Bromofluorobenzene	103	%	48-156		1		07/10/01 3:07	D_R	735633
Surr: 4-Bromofluorobenzene	99.8	%	48-156		5		07/11/01 12:06	D_R	738531

Sonia West
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 W-5-MW3 **Collected:** 7/2/01 4:42:00 P **SPL Sample ID:** 01070097-10

Site: 7-0104

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				**MCL**	**CA_DRO**		**Units: ug/L**		
Diesel Range Organics	880		50		1		07/13/01 18:35	AM	744138
Surr: n-Pentacosane	87.8	%	20-150		1		07/13/01 18:35	AM	744138

Prep Method	Prep Date	Prep Initials
SW3510B	07/08/2001 8:01	KL

GASOLINE RANGE ORGANICS				**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	5300		500		10		07/10/01 23:47	D_R	737065
Surr: 1,4-Difluorobenzene	124	%	62-144		10		07/10/01 23:47	D_R	737065
Surr: 4-Bromofluorobenzene	126	%	44-153		10		07/10/01 23:47	D_R	737065
PURGEABLE AROMATICS				**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	1300		5		10		07/10/01 23:47	D_R	737038
Ethylbenzene	30		0.5		1		07/10/01 3:30	D_R	735634
Methyl tert-butyl ether	1200		20		10		07/10/01 23:47	D_R	737038
Toluene	32		0.5		1		07/10/01 3:30	D_R	735634
m,p-Xylene	730		5		10		07/10/01 23:47	D_R	737038
o-Xylene	1.7		0.5		1		07/10/01 3:30	D_R	735634
Xylenes,Total	730		5		10		07/10/01 23:47	D_R	737038
Surr: 1,4-Difluorobenzene	108	%	72-137		10		07/10/01 23:47	D_R	737038
Surr: 1,4-Difluorobenzene	131	%	72-137		1		07/10/01 3:30	D_R	735634
Surr: 4-Bromofluorobenzene	111	%	48-156		10		07/10/01 23:47	D_R	737038
Surr: 4-Bromofluorobenzene	230MI	%	48-156		1	*	07/10/01 3:30	D_R	735634

Sonia West

Sonia West
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 W-6-MW11 **Collected:** 7/2/01 5:00:00 P **SPL Sample ID:** 01070097-11

Site: 7-0104

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				**MCL**	**CA_DRO**		**Units: ug/L**		
Diesel Range Organics	2300		50		1		07/13/01 19:13	AM	744139
Surr: n-Pentacosane	82.8	%	20-150		1		07/13/01 19:13	AM	744139

Prep Method	Prep Date	Prep Initials
SW3510B	07/08/2001 8:01	KL

GASOLINE RANGE ORGANICS				**MCL**	**CA_GRO**		**Units: ug/L**		
Gasoline Range Organics	45000		1200		25		07/10/01 3:53	D_R	735706
Surr: 1,4-Difluorobenzene	127	%	62-144		25		07/10/01 3:53	D_R	735706
Surr: 4-Bromofluorobenzene	122	%	44-153		25		07/10/01 3:53	D_R	735706

PURGEABLE AROMATICS				**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	2000		12		25		07/11/01 0:09	D_R	737039
Ethylbenzene	1400		12		25		07/11/01 0:09	D_R	737039
Methyl tert-butyl ether	3000		50		25		07/11/01 0:09	D_R	737039
Toluene	2000		12		25		07/11/01 0:09	D_R	737039
m,p-Xylene	5100		12		25		07/11/01 0:09	D_R	737039
o-Xylene	2100		12		25		07/11/01 0:09	D_R	737039
Xylenes,Total	7200		12		25		07/11/01 0:09	D_R	737039
Surr: 1,4-Difluorobenzene	104	%	72-137		25		07/11/01 0:09	D_R	737039
Surr: 4-Bromofluorobenzene	107	%	48-156		25		07/11/01 0:09	D_R	737039

Sonia West
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 W-BB-MW8 **Collected:** 7/2/01 3:42:00 P **SPL Sample ID:** 01070097-12

Site: 7-0104

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			**MCL**	**CA_DRO**		**Units: ug/L**		
Diesel Range Organics	ND		56	1		07/13/01 19:52	AM	744140
Surr: n-Pentacosane	70.4	%	20-150	1		07/13/01 19:52	AM	744140

Prep Method	Prep Date	Prep Initials
SW3510B	07/08/2001 8:01	KL

GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**	**Units: ug/L**	
Gasoline Range Organics	ND		50	1	07/10/01 4:15 D_R	735708
Surr: 1,4-Difluorobenzene	95.3	%	62-144	1	07/10/01 4:15 D_R	735708
Surr: 4-Bromofluorobenzene	94.7	%	44-153	1	07/10/01 4:15 D_R	735708

PURGEABLE AROMATICS			**MCL**	**SW8021B**	**Units: ug/L**	
Benzene	ND		0.5	1	07/10/01 4:15 D_R	735635
Ethylbenzene	ND		0.5	1	07/10/01 4:15 D_R	735635
Methyl tert-butyl ether	ND		2	1	07/10/01 4:15 D_R	735635
Toluene	ND		0.5	1	07/10/01 4:15 D_R	735635
m,p-Xylene	1		0.5	1	07/10/01 4:15 D_R	735635
o-Xylene	ND		0.5	1	07/10/01 4:15 D_R	735635
Xylenes,Total	1		0.5	1	07/10/01 4:15 D_R	735635
Surr: 1,4-Difluorobenzene	98.6	%	72-137	1	07/10/01 4:15 D_R	735635
Surr: 4-Bromofluorobenzene	100	%	48-156	1	07/10/01 4:15 D_R	735635

Sonia West
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
6888 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Diesel Range Organics
Method: CA_DRO

WorkOrder: 01070097
Lab Batch ID: 13306

Method Blank

RunID: HP_V_010713A-744134 Units:
Analysis Date: 07/13/2001 16:00 Analyst: AM
Preparation Date: 07/08/2001 8:01 Prep By: KL Method SW3510B

Analyte	Result	Rep Limit
Diesel Range Organics	ND	
Surr: n-Pentacosane		

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070097-02B	W-5-MW8
01070097-08B	W-5-MW6
01070097-10B	W-5-MW3
01070097-11B	W-6-MW11
01070097-12B	W-BB-MW8

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

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01070097
Lab Batch ID: R38649

Method Blank

RunID: HP_S_010708A-735451 Units: ug/L
Analysis Date: 07/08/2001 16:35 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	94.1	72-137
Surr: 4-Bromofluorobenzene	109.1	48-156

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070097-02A	W-5-MW8
01070097-03A	W-6-MW9
01070097-04A	W-6-MW1
01070097-05A	W-6-MW4
01070097-06A	W-9-MW2

Laboratory Control Sample (LCS)

RunID: HP_S_010708A-735450 Units: ug/L
Analysis Date: 07/08/2001 13:18 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	50	100	70	130
Ethylbenzene	50	50	100	70	130
Methyl tert-butyl ether	50	50	100	70	130
Toluene	50	50	100	70	130
m,p-Xylene	100	99	99	70	130
o-Xylene	50	50	100	70	130
Xylenes,Total	150	149	99	70	130

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

Sample Spiked: 01070134-03
RunID: HP_S_010708A-735461 Units: ug/L
Analysis Date: 07/09/2001 13:11 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	27	134	20	34	169 *	3.2 *	21	32	164
Ethylbenzene	ND	20	26	132	20	33	167 *	3.7 *	19	52	142
Methyl tert-butyl ether	ND	20	27	133	20	33	164 *	1.0 *	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01070097
Lab Batch ID: R38649

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

Sample Spiked: 01070134-03
RunID: HP_S_010708A-735461 Units: ug/L
Analysis Date: 07/09/2001 13:11 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	ND	20	27	134	20	34	172 *	4.8 *	20	38	159
m,p-Xylene	ND	40	52	131	40	67	167 *	4.4 *	17	53	144
o-Xylene	ND	20	26	129	20	33	164 *	3.8 *	18	53	143
Xylenes,Total	ND	60	78	130	60	100	167 *	4.7 *	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Gasoline Range Organics
Method: CA_GRO

WorkOrder: 01070097
Lab Batch ID: R38651

Method Blank

RunID: HP_S_010708B-735495 Units: mg/L
Analysis Date: 07/08/2001 16:35 Analyst: D_R

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	105.7	62-144
Surr: 4-Bromofluorobenzene	107.0	44-153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070097-02A	W-5-MW8
01070097-03A	W-6-MW9
01070097-04A	W-6-MW1
01070097-05A	W-6-MW4
01070097-06A	W-9-MW2

Laboratory Control Sample (LCS)

RunID: HP_S_010708B-735498 Units: mg/L
Analysis Date: 07/09/2001 12:21 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	1.1	107	70	130

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

Sample Spiked: 01070134-04
RunID: HP_S_010708B-735500 Units: mg/L
Analysis Date: 07/09/2001 14:05 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	0.056	0.9	1.1	116	0.9	1.4	148	24.2	36	36	160

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
MI - Matrix Interference
D - Recovery Unreportable due to Dilution

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

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01070097
Lab Batch ID: R38659

Method Blank

RunID: HP_R_010709A-735617 Units: ug/L
Analysis Date: 07/09/2001 18:02 Analyst: D_R

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070097-09A	W-5-MW7
01070097-10A	W-5-MW3
01070097-12A	W-BB-MW8

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	99.3	72-137
Surr: 4-Bromofluorobenzene	100.8	48-156

Laboratory Control Sample (LCS)

RunID: HP_R_010709A-735616 Units: ug/L
Analysis Date: 07/09/2001 17:17 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	50	99	70	130
Ethylbenzene	50	50	99	70	130
Methyl tert-butyl ether	50	56	112	70	130
Toluene	50	50	99	70	130
m,p-Xylene	100	100	100	70	130
o-Xylene	50	50	99	70	130
Xylenes,Total	150	150	100	70	130

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

Sample Spiked: 01070052-15
RunID: HP_R_010709A-735618 Units: ug/L
Analysis Date: 07/09/2001 19:09 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	23	114	20	23	113	0.440	21	32	164
Ethylbenzene	ND	20	23	113	20	22	109	3.49	19	52	142
Methyl tert-butyl ether	32	20	56	123	20	57	125	1.16	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01070097
Lab Batch ID: R38659

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

Sample Spiked: 01070052-15
RunID: HP_R_010709A-735618 Units: ug/L
Analysis Date: 07/09/2001 19:09 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	ND	20	23	114	20	23	112	1.21	20	38	159
m,p-Xylene	ND	40	46	113	40	44	107	5.62	17	53	144

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

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Gasoline Range Organics
Method: CA_GRO

WorkOrder: 01070097
Lab Batch ID: R38664

Method Blank

RunID: HP_R_010709B-735700 Units: mg/L
Analysis Date: 07/09/2001 18:02 Analyst: D_R

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	93.3	62-144
Surr: 4-Bromofluorobenzene	96.7	44-153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070097-09A	W-5-MW7
01070097-11A	W-6-MW11
01070097-12A	W-BB-MW8

Laboratory Control Sample (LCS)

RunID: HP_R_010709B-735699 Units: mg/L
Analysis Date: 07/09/2001 17:39 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.77	77	70	130

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

Sample Spiked: 01070052-16
RunID: HP_R_0107098-735701 Units: mg/L
Analysis Date: 07/09/2001 19:54 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	1.6	0.9	2.2	71.3	0.9	2.2	71.3	.0623	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Gasoline Range Organics
Method: CA_GRO

WorkOrder: 01070097
Lab Batch ID: R38697

Method Blank

RunID: HP_R_010710A-736455 Units: mg/L
Analysis Date: 07/10/2001 11:30 Analyst: D_R

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070097-07A	W-5-MW5
01070097-10A	W-5-MW3

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	92.7	62-144
Surr: 4-Bromofluorobenzene	96.3	44-153

Laboratory Control Sample (LCS)

RunID: HP_R_010710A-736454 Units: mg/L
Analysis Date: 07/10/2001 11:08 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.75	75	70	130

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

Sample Spiked: 01070225-02
RunID: HP_R_010710A-737058 Units: mg/L
Analysis Date: 07/10/2001 21:10 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	0.53	58.5	0.9	0.53	59.2	1.15	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01070097
Lab Batch ID: R38698

Method Blank

RunID: HP_R_010710B-736462 Units: ug/L
Analysis Date: 07/10/2001 11:30 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	99.3	72-137
Surr: 4-Bromofluorobenzene	100.1	48-156

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070097-06A	W-9-MW2
01070097-07A	W-5-MW5
01070097-10A	W-5-MW3
01070097-11A	W-6-MW11

Laboratory Control Sample (LCS)

RunID: HP_R_010710B-736460 Units: ug/L
Analysis Date: 07/10/2001 10:45 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	50	99	70	130
Ethylbenzene	50	50	99	70	130
Methyl tert-butyl ether	50	56	112	70	130
Toluene	50	50	100	70	130
m,p-Xylene	100	100	100	70	130
o-Xylene	50	50	99	70	130
Xylenes,Total	150	150	100	70	130

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

Sample Spiked: 01070225-01
RunID: HP_R_010710B-737033 Units: ug/L
Analysis Date: 07/10/2001 20:26 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	24	119	20	24	119	.0417	21	32	164
Ethylbenzene	ND	20	23	114	20	23	113	1.00	19	52	142
Methyl tert-butyl ether	ND	20	24	121	20	25	126	4.24	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01070097
Lab Batch ID: R38698

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

Sample Spiked: 01070225-01
RunID: HP_R_010710B-737033 Units: ug/L
Analysis Date: 07/10/2001 20:26 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	ND	20	24	118	20	23	117	0.369	20	38	159
m,p-Xylene	ND	40	44	110	40	43	107	3.34	17	53	144
o-Xylene	ND	20	22	111	20	22	108	1.99	18	53	143
Xylenes,Total	ND	60	66	110	60	65	108	1.53	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01070097
Lab Batch ID: R38809

Method Blank

RunID: HP_S_010711A-738529 Units: ug/L
Analysis Date: 07/11/2001 10:36 Analyst: D_R

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070097-08A	W-5-MW6
01070097-09A	W-5-MW7

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	99.9	72-137
Surr: 4-Bromofluorobenzene	98.6	48-156

Laboratory Control Sample (LCS)

RunID: HP_S_010711A-738528 Units: ug/L
Analysis Date: 07/11/2001 9:07 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	50	100	70	130
Ethylbenzene	50	50	101	70	130
Methyl tert-butyl ether	50	49	98	70	130
Toluene	50	51	102	70	130
m,p-Xylene	100	99	99	70	130
o-Xylene	50	50	100	70	130
Xylenes,Total	150	149	99	70	130

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

Sample Spiked: 01070243-02
RunID: HP_S_010711A-738539 Units: ug/L
Analysis Date: 07/11/2001 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	24	119	20	24	120	0.892	21	32	164
Ethylbenzene	ND	20	25	118	20	25	120	1.44	19	52	142
Methyl tert-butyl ether	ND	20	24	117	20	24	119	1.70	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01070097
Lab Batch ID: R38809

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

Sample Spiked: 01070243-02
RunID: HP_S_010711A-738539 Units: ug/L
Analysis Date: 07/11/2001 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	ND	20	25	123	20	24	121	2.07	20	38	159
m,p-Xylene	ND	40	48	119	40	49	121	2.27	17	53	144
o-Xylene	ND	20	23	117	20	24	118	1.22	18	53	143
Xylenes,Total	ND	60	71	118	60	73	122	2.78	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Gasoline Range Organics
Method: CA_GRO
WorkOrder: 01070097
Lab Batch ID: R38817

Method Blank

RunID: HP_S_010711C-738647 Units: mg/L
Analysis Date: 07/11/2001 10:36 Analyst: D_R

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070097-08A	W-5-MW6

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	107.0	62-144
Surr: 4-Bromofluorobenzene	104.0	44-153

Laboratory Control Sample (LCS)

RunID: HP_S_010711C-738616 Units: mg/L
Analysis Date: 07/11/2001 9:34 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.98	98	70	130

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

Sample Spiked: 01070243-03
RunID: HP_S_010711C-738649 Units: mg/L
Analysis Date: 07/11/2001 18:43 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	0.89	94.2	0.9	0.93	98.5	4.41	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Purgeable Aromatics **WorkOrder:** 01070097
Method: SW8021B **Lab Batch ID:** R39390

Method Blank

RunID: VARE_010718B-749303 Units: ug/L
Analysis Date: 07/18/2001 15:06 Analyst: DL

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070097-01A	TB 6/5/01

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	90.8	72-137
Surr: 4-Bromofluorobenzene	85.3	48-156

Laboratory Control Sample (LCS)

RunID: VARE_010718B-749302 Units: ug/L
Analysis Date: 07/18/2001 14:18 Analyst: DL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	52	104	70	130
Ethylbenzene	50	53	107	70	130
Methyl tert-butyl ether	50	49	98	70	130
Toluene	50	52	104	70	130
m,p-Xylene	100	110	106	70	130
o-Xylene	50	53	106	70	130
Xylenes,Total	150	163	109	70	130

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

Sample Spiked: 01070565-03
RunID: VARE_010718B-749306 Units: ug/L
Analysis Date: 07/18/2001 16:20 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	20	98.2	20	19	96.7	1.51	21	32	164
Ethylbenzene	ND	20	20	97.7	20	20	97.8	00307	19	52	142
Methyl tert-butyl ether	ND	20	22	108	20	21	105	2.10	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Purgeable Aromatics
Method: SW8021B
WorkOrder: 01070097
Lab Batch ID: R39390

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

Sample Spiked: 01070565-03
RunID: VARE_010718B-749306 Units: ug/L
Analysis Date: 07/18/2001 16:20 Analyst: DL

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	ND	20	19	95.2	20	19	94.7	0.553	20	38	159
m,p-Xylene	ND	40	40	99.5	40	40	101	1.28	17	53	144
o-Xylene	ND	20	20	98.7	20	20	99.4	0.682	18	53	143
Xylenes,Total	ND	60	60	100	60	60	100	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

EXXON Company U.S.A.

250613x

Analysis: Gasoline Range Organics
Method: CA_GRO
WorkOrder: 01070097
Lab Batch ID: R39391

Method Blank

RunID: VARE_010718C-749328 Units: mg/L
Analysis Date: 07/18/2001 15:06 Analyst: DL

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070097-01A	TB 6/5/01

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	105.7	62-144
Surr: 4-Bromofluorobenzene	100.7	44-153

Laboratory Control Sample (LCS)

RunID: VARE_010718C-749327 Units: mg/L
Analysis Date: 07/18/2001 14:42 Analyst: DL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.87	87	70	130

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

Sample Spiked: 01070565-04
RunID: VARE_010718C-749407 Units: mg/L
Analysis Date: 07/18/2001 17:07 Analyst: DL

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	0.93	104	0.9	0.94	104	0.310	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

Sample Receipt Checklist

And

Chain of Custody

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

Sample Receipt Checklist

Workorder:	01070097	Received By:	DS
Date and Time Received:	7/5/01 9:30:00 AM	Carrier name:	FedEx
Temperature:	5	Chilled by:	Water Ice

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

SPL Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

01070097

EXXON COMPANY, USA. (West Coast)

CHAIN OF CUSTODY RECORD NO. _____ Page 1 of 2

Exxon Engineer: Gene Ortega Phone: (925) 246-8747
Consultant Co. Name ERT Contact: Scott Graham
Address: 73 Digital Dr. Fax: (415) 382-8456
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 #: 2101110
Sampled By: Jared + Jessica

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 ☐ 5030 ☐	BTEX 8020 ☒ 602 ☐	MTBE 8020 ☒ 8260 ☐	OXYGENATES (7) 8260 ☐	O&G IR 413.1 ☐ GRAV. 413.2 ☐	VOL 8260 ☐ 624 ☐	SEMI-VOL 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB/PEST 8081/8082 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMIVOA ☐ PEST ☐ HERB ☐	METALS, TOTAL ☐ METALS, TCLP ☐	LEAD, TOTAL 239.1 ☐ 7421 ☐ LEAD, TCLP ☐	LEAD, DISSOLVED ☐ LEAD TOTAL ☐	REACTIVITY ☐ CORROSIVITY ☐ FLASHPOINT ☐	PURGEABLE HYDROCARBON 8010 ☐ 601 ☐	TPH/IR 418.1 ☐	TOX/TOH ☐
TB	6/5	—			X				HCL	2	40 mL	X	X	X														
W-5-MW8	7/2	1542			X				HCL	3/2	40 ml	X	X	X														
W-6-MW9	7/2	1603			X				HCL	3	40 ml	X	X	X														
W-6-MW1	7/2	1535			X				HCL	3	40 mL	X	X	X														
W-6-MW4	7/2	1550			X				HCL	3	40 mL	X	X	X														
W-9-MW2	7/2	1603			X				HCL	3	40 ml	X	X	X														
W-5-MW5	7/2	1620			X				HCL	5	40 ml	X	X	X														
W-5-MW6	7/2	1630			X				HCL	3/2	40 ml 1L	X	X	X														
W-5-MW7	7/2	1635			X				HCL	3	40 ml	X	X	X														
W-5-MW3	7/2	1642			X				HCL	3/2	40 ml 1L	X	X	X														

ANALYSIS REQUEST: (CHECK APPROPRIATE BOX)

OTHER

TAT
24 HR. ___* 72 HR. ___*
48 HR. ___* 96 HR. ___*
8 Business ☒ *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 # Storage Location

QA/QC Level
Standard ☒ CLP ☐ Other ☐ _____

WORK ORDER #: 01070097 LAB WORK RELEASE #: 21040341

CUSTODY RECORD

	Relinquished By Sampler:	Date	Time	Received By:
		7/3/01	1120	
	Relinquished:	Date	Time	Received By:
	Relinquished:	Date	Time	Received By:
		7-5-01	0930	Way Bill #: Cooler Temp: 5c

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

01070097

EXXON COMPANY, USA. (West Coast)

CHAIN OF CUSTODY RECORD NO. _____ Page 2 of 2

Exxon Engineer: Gene Ochoa Phone: (925) 246-8747
Consultant Co. Name ERI Contact: Scott Cahoon
Address: 73 Digital Dr, 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 #: 210110
Sampled By: Jacob + Jessica

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-6-MW11	7/2	1700			X				HCL	3/2	40ml VOA	X	X	X															
W-BB-MW8	7/2	1542			X				HCL	2/1	40ml VOA	X	X	X															

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

EXXON UST CONTRACT NO. C41483

QA/QC Level
Standard ☒ CLP ☐ Other ☐ _____

SPECIAL DETECTION LIMITS (Specify)

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

REMARKS:

LAB USE ONLY Lot # Storage Location
50
WORK ORDER #: 01070097 LAB WORK RELEASE #: 21040341

CUSTODY RECORD

	Relinquished By Sampler:	Date	Time	Received By:
		7/3/01	1120	
	Relinquished:	Date	Time	Received By:
	Relinquished:	Date	Time	Received By:
		7-5-01	0930	

Way Bill #: _____ Cooler Temp: 5C

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

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

EXXON Company U.S.A.

Certificate of Analysis Number:

01060173

Report To:		Project Name:	2506-11X
Environmental Resolution, Inc.		Site:	7-0104,
Jim Chappell		Site Address:	
73 Digital Drive Suite 100			
Novato		PO Number:	EWR#21040341
California		State:	California
94949-		State Cert. No.:	1903
ph: (415) 382-9105	fax: (415) 382-1856	Date Reported:	6/8/01

This Report Contains A Total Of 10 Pages

Excluding This Page

And

Chain Of Custody

6/8/01

Date

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

Case Narrative for:

EXXON Company U.S.A.

Certificate of Analysis Number:

01060173

Report To:		Project Name:	2506-11X
Environmental Resolution, Inc.		Site:	7-0104,
Jim Chappell		Site Address:	
73 Digital Drive Suite 100			
Novato		PO Number:	EWR#21040341
California		State:	California
94949-		State Cert. No.:	1903
ph: (415) 382-9105	fax: (415) 382-1856	Date Reported:	6/8/01

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Any other 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.

6/8/01

Sonia West
Senior Project Manager

Date

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

EXXON Company U.S.A.

Certificate of Analysis Number:

01060173

Report To: Environmental Resolution, Inc.
Jim Chappell
73 Digital Drive Suite 100

Novato
California
94949-
ph: (415) 382-9105 fax: (415) 382-1856

Fax To: Environmental Resolution, Inc.
Jim Chappell fax : (415) 382-1856

Project Name: 2506-11X
Site: 7-0104,
Site Address:

PO Number: EWR#21040341
State: California
State Cert. No.: 1903
Date Reported: 6/8/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
A-INF	01060173-01	Air	6/4/01 11:00:00 AM	6/6/01 10:00:00 AM		☐
A-INT	01060173-02	Air	6/4/01 11:00:00 AM	6/6/01 10:00:00 AM		☐
A-EFF	01060173-03	Air	6/4/01 11:00:00 AM	6/6/01 10:00:00 AM		☐

Sonia West
Senior Project Manager

6/8/01
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:

01060173

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,
		Site Address:	
		PO Number:	EWR#21040341
		State:	California
		State Cert. No.:	1903
		Date Reported:	6/8/01

Client Sample ID: A-INF **SPL Sample ID:** 01060173-01A

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
Xylenes,Total	ND	1.0	ND	0.23
TPH Air	280	10	78	2.8

Client Sample ID: A-INT **SPL Sample ID:** 01060173-02A

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

EXXON Company U.S.A.

Certificate of Analysis Number:

01060173

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,
		Site Address:	
		PO Number:	EWR#21040341
		State:	California
		State Cert. No.:	1903
		Date Reported:	6/8/01

Client Sample ID: A-EFF **SPL Sample ID:** 01060173-03A

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

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

Client Sample ID A-INF **Collected:** 6/4/01 11:00:00 **SPL Sample ID:** 01060173-01

Site: 7-0104,

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		06/06/01 20:36	TM	696540
Toluene	ND		1.0		1		06/06/01 20:36	TM	696540
Ethylbenzene	ND		1.0		1		06/06/01 20:36	TM	696540
m,p-Xylene	ND		1.0		1		06/06/01 20:36	TM	696540
o-Xylene	ND		1.0		1		06/06/01 20:36	TM	696540
Xylenes,Total	ND		1.0		1		06/06/01 20:36	TM	696540
Surr: 1,4-Difluorobenzene	92.8	%	20-150		1		06/06/01 20:36	TM	696540
Surr: 4-Bromofluorobenzene	97.9	%	58-139		1		06/06/01 20:36	TM	696540
TOTAL PETROLEUM PRODUCT IN AIR				**MCL**	**SW8015B**		**Units: mg/m³**		
TPH Air	280		10		1		06/06/01 20:36	TM	696600
Surr: 1,4-Difluorobenzene	94.5	%	62-144		1		06/06/01 20:36	TM	696600
Surr: 4-Bromofluorobenzene	93.4	%	44-153		1		06/06/01 20:36	TM	696600

Sonia West

Sonia West
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:** 6/4/01 11:00:00 **SPL Sample ID:** 01060173-02

Site: 7-0104,

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		06/06/01 21:06	TM	696544
Toluene	ND		1.0	1		06/06/01 21:06	TM	696544
Ethylbenzene	ND		1.0	1		06/06/01 21:06	TM	696544
m,p-Xylene	ND		1.0	1		06/06/01 21:06	TM	696544
o-Xylene	ND		1.0	1		06/06/01 21:06	TM	696544
Xylenes,Total	ND		1.0	1		06/06/01 21:06	TM	696544
Surr: 1,4-Difluorobenzene	91.9	%	20-150	1		06/06/01 21:06	TM	696544
Surr: 4-Bromofluorobenzene	97.0	%	58-139	1		06/06/01 21:06	TM	696544
TOTAL PETROLEUM PRODUCT IN AIR			**MCL**	**SW8015B**		**Units: mg/m³**		
TPH Air	ND		10	1		06/06/01 21:06	TM	696601
Surr: 1,4-Difluorobenzene	104	%	62-144	1		06/06/01 21:06	TM	696601
Surr: 4-Bromofluorobenzene	114	%	44-153	1		06/06/01 21:06	TM	696601

Sonia West

Sonia West
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:** 6/4/01 11:00:00 **SPL Sample ID:** 01060173-03

Site: 7-0104,

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		06/06/01 23:49	TM	696551
Toluene	ND		1.0	1		06/06/01 23:49	TM	696551
Ethylbenzene	ND		1.0	1		06/06/01 23:49	TM	696551
m,p-Xylene	ND		1.0	1		06/06/01 23:49	TM	696551
o-Xylene	ND		1.0	1		06/06/01 23:49	TM	696551
Xylenes,Total	ND		1.0	1		06/06/01 23:49	TM	696551
Surr: 1,4-Difluorobenzene	96.3	%	20-150	1		06/06/01 23:49	TM	696551
Surr: 4-Bromofluorobenzene	108	%	58-139	1		06/06/01 23:49	TM	696551
TOTAL PETROLEUM PRODUCT IN AIR			**MCL**	**SW8015B**		**Units: mg/m³**		
TPH Air	ND		10	1		06/06/01 23:49	TM	696603
Surr: 1,4-Difluorobenzene	109	%	62-144	1		06/06/01 23:49	TM	696603
Surr: 4-Bromofluorobenzene	122	%	44-153	1		06/06/01 23:49	TM	696603

Sonia West

Sonia West
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.

2506-11X

Analysis: Purgeable Aromatics in Air
Method: SW8020A

WorkOrder: 01060173
Lab Batch ID: R36624

Method Blank

RunID: HP_P_010606A-696513 Units: mg/m³
Analysis Date: 06/06/2001 15:40 Analyst: TM

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	91.1	20-150
Surr: 4-Bromofluorobenzene	98.3	58-139

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01060173-01A	A-INF
01060173-02A	A-INT
01060173-03A	A-EFF

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

RunID: HP_P_010606A-696511 Units: mg/m³
Analysis Date: 06/06/2001 14:41 Analyst: TM

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	70	109	64	66	103	5.6	34	37	117
Ethylbenzene	88	88	100	88	83	94	6.0	35	56	115
Methyl tert-butyl ether	364	550	152	364	570	155	1.9	30	30	175
Toluene	80	82	102	80	77	96	6.4	30	25	113
m,p-Xylene	88	87	99	88	81	92	6.7	35	12	114
o-Xylene	88	86	97	88	81	92	5.7	35	15	109
Xylenes,Total	176	173	98	176	162	92	6.6	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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: 01060173
Lab Batch ID: R36626

Method Blank

RunID: HP_P_010606B-696591 Units: mg/m³
Analysis Date: 06/06/2001 15:40 Analyst: TM

Analyte	Result	Rep Limit
TPH Air	ND	10
Surr: 1,4-Difluorobenzene	105.4	62-144
Surr: 4-Bromofluorobenzene	109.3	44-153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01060173-01A	A-INF
01060173-02A	A-INT
01060173-03A	A-EFF

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

RunID: HP_P_010606B-696589 Units: mg/m³
Analysis Date: 06/06/2001 14:41 Analyst: TM

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	780	101	770	720	93	7.6	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

Sample Receipt Checklist

And

Chain of Custody

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

Sample Receipt Checklist

Workorder:	01060173	Received By:	RE
Date and Time Received:	6/6/01 10:00:00 AM	Carrier name:	FedEx
Temperature:	AMBIENT	Chilled by:	Not Chilled

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

SPL Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

EXXON COMPANY, USA. (West Coast)

CHAIN OF CUSTODY RECORD NO. _____ Page 1 of 1

Exxon Engineer: Darin Rouse Phone: (925) 246-8765

Consultant Co. Name ERI Contact: Jim Chappel

Address: 73 Digital Dr Fax: (415) 382-1856

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 #: 21011100

Sampled By: Gene

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 PULL ☐ 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	6/4/01	11:00		X			X		—	1	1L Amb	X	X															
A-INT	"	"		X			X		—	1	1L Amb	X	X															
A-EFF	"	"		X			X		—	1	1L Amb	X	X															

RUSH

TAT				SPECIAL DETECTION LIMITS (Specify)	REMARKS:
24 HR. ___*	72 HR. ___*	EXXON UST CONTRACT NO. C41483			Ambient
48 HR. ___*	96 HR. ___*			SPECIAL REPORTING REQUIREMENTS (Specify)	LAB USE ONLY Lot # Storage Location
8 Business X	*Contact US Prior to Sending Sample				(No)
Other ___				PDF ☐ ☐ EDD	WORK ORDER #: 01060173 LAB WORK RELEASE #: 210403
QA/QC Level Standard X CLP ☐ Other ☐ _____				FAX ☐ ☐ FAX C-O-C W/REPORT	

CUSTODY RECORD

	Relinquished By Sampler:	Date	Time	Received By:
	Gene Clifford	6/5/01	9:00	
	Relinquished:	Date	Time	Received By:
	Relinquished:	Date	Time	Received By:
				Way Bill #
				6/6/01 1000 Cooler Temp:

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

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		TPHg Removal	
Date	Sample ID	Hour Meter	Hours of Operation	Flow cfm	TPHg 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

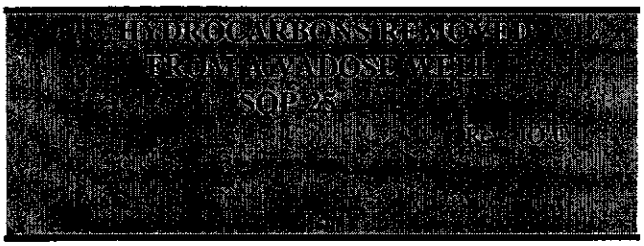
		FIELD MEASUREMENTS			Laboratory Analytical Results		TPHg Removal	
Date	Sample ID	Hour Meter	Hours of Operation	Flow cfm	TPHg ppmv	Benzene ppmv	Per Period Pounds	Cumulative Pounds
	A-EFF				< 2.4	< 0.031		
4/5/99	A-INF	4,957	38	131	42.6	0.474		< 33.3
	A-INT				4.6	< 0.0314		
	A-EFF				< 2.84	< 0.0314		
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"



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

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

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

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)