ExxonMobil
Refining & Supply Company
Global Remediation

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Gene N. Ortega
Project Manager
Global Remediation – US Retail

10440

ExxonMobil
Refining & Supply

March 10, 2004

Mr. Amir Gholami
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 Mr. Gholami:

Attached for your review and comment is a letter report entitled ***Quarterly Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2003,*** dated March 2, 2004, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Novato, California, and details groundwater 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
Project Manager

Attachment: ERI's Quarterly Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2003, dated March 2, 2004.

cc w/ attachment
Mr. Stephen Hill, California Regional Water Quality Control Board, San Francisco Bay Region
Mr. Joseph A. Aldridge, Valero Energy Corporation

w/o attachment
Mr. Rob A. Saur, Environmental Resolutions, Inc.

ENVIRONMENTAL RESOLUTIONS, INC.

March 2, 2004
ERI 250613.Q034

Mr. Gene N. Ortega
ExxonMobil Refining & Supply – Global Remediation
25A Crescent Drive, #407
Pleasant Hill, California 94523

Subject: Quarterly Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2003, Former Exxon Service Station 7-0104, 1725 Park Street, Alameda, California.

Mr. Ortega:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) performed the fourth quarter 2003 groundwater monitoring and sampling activities, and operated soil and groundwater remediation systems at the subject site. The purpose of quarterly monitoring and sampling is to evaluate concentrations of dissolved hydrocarbons in groundwater and the effectiveness of remedial actions. The location of the site is shown on the Site Vicinity Map (Plate 1). The locations of select site features are shown on the Generalized Site Plan (Plate 2).

GROUNDWATER MONITORING AND SAMPLING

On November 14, 2003, ERI measured the depth to water (DTW) and collected groundwater samples from select wells for laboratory analysis. The quarterly groundwater monitoring event for this site was scheduled concurrently with Alisto Engineering Group (Alisto) of Lafayette, California, the environmental consultant for the Shell-branded Station (former Xtra Oil Company) site at 1701 Park Street, Alameda, California. Groundwater monitoring and sampling were performed in accordance with ERI's groundwater sampling protocol (Attachment A). Cumulative groundwater monitoring data for the Shell-branded site are summarized in Attachment B.

Historical and recent monitoring data are summarized in Table 1. A groundwater elevation map is included as Plate 3.

Laboratory Analyses and Results

ERI submitted groundwater samples to TestAmerica Incorporated (TestAmerica), a California 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 C).

SOIL AND GROUNDWATER REMEDIATION

Air Sparge/Soil Vapor Extraction

The air sparge (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 D. The AS/SVE system was shutdown on March 24, 2000, pending system evaluation and retrofit. 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 laboratory analysis report and Chain-of-Custody record for the second quarter 2003 are attached (Attachment C).

The AS/SVE system currently consists of six AS wells, two SVE wells, a horizontal SVE trench, a moisture separator, a Siemens 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 E).

Groundwater Extraction and Treatment

The groundwater extraction and treatment system (GETS) is designed to remove and treat separate-phase hydrocarbons and groundwater with dissolved hydrocarbons. Pneumatic pumps are used to extract groundwater from extraction wells. Subsurface and aboveground 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 No. 50266631.

The original GETS was operational from October 10, 1994, through March 28, 2000. Cumulative GETS flow rates, total volume extracted, and influent, intermediate, and effluent sample concentrations are presented in Table 3.

ERI retrofitted the GETS system in April 2002. ERI replaced the system's particulate filter, transfer pump, and totalizer. In addition, repairs and service were performed on the system compressor, holding tank, control panel, and secondary containment and compound. All other components of the GETS system were checked and found to be in good condition. At the completion of retrofit activities, ERI restarted the system on June 5, 2002. Cumulative GETS flow rates, total volume extracted, and influent, intermediate, and effluent sample concentrations are presented in Table 3. The laboratory analysis report and Chain-of-Custody record are attached (Attachment C). The GETS is currently configured to extract water from extraction wells EW1 and EW3.

SUMMARY AND STATUS OF INVESTIGATION

The following table presents the estimated mass of vapor-phase gasoline hydrocarbons removed by the AS/SVE system since the last reporting period and since startup.

Period	Mass of TPHg Removed (pounds)	Mass of Benzene Removed (pounds)
09/10/03 - 12/01/03	13.17	0.28
To Date:	<1,022.4	<11.81

The following tables present the estimated volume of groundwater treated and mass of dissolved-phase hydrocarbons removed by the GETS since startup.

Old System:

Period	Mass of TPHg Removed (pounds)	Mass of Benzene Removed (pounds)
10/10/94 - 3/28/00	<29.2	<4.73

New System:

Period	Volume of Groundwater Extracted (gallons)	Mass of TPHg Removed (pounds)	Mass of Benzene Removed (pounds)	Mass of MTBE Removed (pounds)
09/10/03 - 12/01/03	137,710	<0.42	<0.06	0.69
To Date:	992,510	<32.0	<4.85	7.25

Based on the mass removal rates and hydraulic characteristics, ERI is currently evaluating the effectiveness of the current remedial efforts and remedial alternatives.

DOCUMENT DISTRIBUTION

ERI recommends forwarding copies of this report to:

Mr. Amir Gholami
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. Joseph A. Aldridge
Valero Energy Corporation
685 West Third Street
Hanford, California 93230

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. Rob A. Saur, ERI's project manager for this site, at (415) 382-9105 with any questions regarding this project.

Sincerely,
Environmental Resolutions, Inc.

Lyz A. Cullmann
Senior Staff Geologist

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 Extraction and Treatment System
	Plate 1:	Site Vicinity Map
	Plate 2:	Generalized Site Plan
	Plate 3:	Groundwater Elevation Map
	Attachment A:	Groundwater Sampling Protocol
	Attachment B:	Summary of Groundwater Sampling Xtra Oil Company Service Station
	Attachment C:	Laboratory Analysis Reports and Chain-of-Custody Records
	Attachment D:	AS/SVE System Operation Data Provided by Previous Consultants
	Attachment E:	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	Select VOCs
(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	---	---	---	---	---	---	---	---
	06/16/00	Property transferred to Valero Refining Company.										
	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	---
	10/15/01	NLPH	6.64	10.71	---	110	83	2.6	<0.5	<0.5	<0.5	---
(17.29)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	02/04/02	NLPH	5.08	12.21	52.0	75.0	67.1	0.70	<0.50	0.50	<0.50	---

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
		<	feet	>	<			ug/L				>
MW1 (cont.)	05/06/02	NLPH	5.48	11.81	129	793	702/1,004g	8.6	<0.5	0.5	1.1	297h
(17.29)	08/22/02	NLPH	7.14	10.15	602	1,150	181	120	0.8	9.0	3.6	---
	11/08/02	NLPH	6.19	11.10	504	947	182	95.6	4.0	3.7	2.7	---
	02/07/03	NLPH	6.00	11.29	610	1,190	284	89.7	3.8	45.3	13.2	---
	05/02/03	NLPH	5.76	11.53	797	1,020	296	75.8	9.0	5.7	11.9	---
	08/14/03	NLPH	7.04	10.25	531	822	201	33.9	2.8	1.5	1.9	---
	11/14/03	**NLPH**	**6.41**	**10.88**	**560**	**574**	**276**	**19.8**	**1.8**	**2.0**	**2.2**	**---**
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	---
	10/17/1995	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	---	---	---	---	---	---	---	---
	06/16/00	Property transferred to Valero Refining Company.										
	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	---

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
		<.....	feet	.....>		<.....		ug/L				.....>
MW2 (cont.)	07/02/01	NLPH	5.62	11.05	---	1,400	890	13	1.1	<0.5	1.1	---
(16.67)	10/15/01	NLPH	7.55	9.12	---	620	1,900	190	3.5	4.5	7	---
(16.39)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	02/04/02	NLPH	4.71	11.68	69.0	122	7.10	31.4	5.40	9.10	10.4	---
	05/06/02	NLPH	5.08	11.31	252	1,250	646/958.0g	125	22.5	68.2	63.1	44.8h
	08/22/02	NLPH	6.88	9.51	178	1,270	652	269	<0.5	4.3	10.6	---
	11/08/02	NLPH	6.20	10.19	83	158	177	14.0	0.7	0.6	1.0	---
	02/07/03	NLPH	5.72	10.67	<50	173	78.1	43.1	3.4	4.5	5.5	---
	05/02/03	NLPH	4.18	12.21	56	60.0	50.5	4.10	<0.5	0.6	1.4	---
	08/14/03	NLPH	6.00	10.39	62	1,080	506	143	1.1	0.7	2.0	---
	11/14/03	**NLPH**	**5.81**	**10.58**	**132**	**362**	**93.9**	**74.0**	**0.6**	**1.6**	**3.7**	**---**
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	---	---	---	---	---	---	---	---	---	---	---
	06/16/00	Property transferred to Valero Refining Company.										
	07/05/00	---	---	---	---	---	---	---	---	---	---	---

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
		<.....	feet	.....>	<.....			ug/L				.....>
MW3 (cont.)	10/03/00	---	---	---	---	---	---	---	---	---	---	---
(17.11)	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	---
	10/15/01	NLPH	6.12	10.99	210e	2,300	1,800	630	2.5	8.2	3.34	---
(17.02)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	02/04/02	NLPH	4.59	12.43	402	8,830	1,420	2,300	166	150	158	---
	05/06/02	NLPH	4.84	12.18	1,300	7,950	544/967.0g	1,930	18.0	80.0	648	194h
	08/22/02	NLPH	6.42	10.60	416	2,270	298	506	3.5	8.0	6.5	---
	11/08/02	NLPH	5.66	11.36	193	1,640	470	330	1.8	4.9	2.7	---
	02/07/03	NLPH	4.99	12.03	800	1,360	662	328	6.5	9.0	35.0	---
	05/02/03	NLPH	4.73	12.29	562	2,500	300	306	4.8	17.5	29.1	---
	08/14/03	NLPH	6.02	11.00	227	2,040	367	356	3.4	3.9	3.2	---
	11/14/03	**NLPH**	**6.01**	**11.01**	**280**	**1,880**	**794**	**244**	**2.6**	**3.7**	**4.5**	**---**
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	---

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
		<.....	feet	.....>	<.....			ug/L				.....>
MW4 (cont.)	04/14/00	NLPH	4.39	12.95	---	---	---	---	---	---	---	---
(17.34)	06/16/00	Property transferred to Valero Refining Company.										
	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	---
	10/15/01	NLPH	6.36	10.98	---	930	360	140	7	24	10	---
(17.29)	Nov-2001	Wells surveyed in compliance with AB 2886 requirements.										
	02/04/02	NLPH	4.35	12.94	774	1,250	46.1	124	4.40	46.7	43.5	---
	05/06/02	NLPH	4.95	12.34	776	2,040	1,410/2,120g	165	5.0	42.0	39.0	499h/0.80j
	08/22/02	NLPH	6.65	10.64	445	1,570	1,070	73.3	<0.5	9.9	6.8	---
	11/08/02	NLPH	5.60	11.69	680	2,340	1,200	169	4.3	34.9	23.3	---
	02/07/03	NLPH	4.97	12.32	429	2,250	672	125	24.9	60.0	109	---
	05/02/03	NLPH	4.92	12.37	631	2,450	1,230	82.9	2.8	26.4	24.7	---
	08/14/03	NLPH	6.35	10.94	444	1,160	286	97.0	2.8	14.6	7.4	---
	11/14/03	**NLPH**	**f**	**f**	**f**	**f**	**f**	**f**	**f**	**f**	**f**	**f**
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	Sheen	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	---	---	---	---	---	---	---	---

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
		<	feet	>	<			ug/L				>
MW5 (cont.)	07/09/99	NLPH	6.08	10.63	---	4,360	2,360	1,780	18.6	45	<5.0	---
(16.71)	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	---	---	---	---	---	---	---	---
	06/16/00	Property transferred to Valero Refining Company.										
	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	---
	10/15/01	NLPH	6.15	10.56	---	3,900	1,000	1,400	8.7	17	15.7	---
(16.64)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	02/04/02	NLPH	4.69	11.95	976	4,380	620	1,440	38.0	84.0	50.0	---
	05/06/02	NLPH	5.00	11.64	1,360	3,810	764/1,220g	1,110	20.0	26.0	26.0	306h/3.20i
	08/22/02	NLPH	6.98	9.66	695	3,190	545	823	9.0	11.0	31.0	---
	11/08/02	NLPH	5.31	11.33	645	3,360	746	1,050	9.4	11.1	17.8	---
	02/07/03	NLPH	5.75	10.89	689	3,550	400	1,100	25.0	65.0	29.0	---
	05/02/03	NLPH	5.34	11.30	934	4,070	439	818	16.9	31.9	28.6	---
	08/14/03	NLPH	6.37	10.27	988	3,860	286	912	15.6	16.2	24.0	---
	11/14/03	**NLPH**	**6.01**	**10.63**	**1,000**	**3,450**	**198**	**841**	**15.0**	**14.8**	**17.4**	**---**
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	---
	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	---

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
		<.....	feet	.....>	<.....			ug/L				.....>
MW6 (cont.)	10/19/98	NLPH	6.56	11.00	---	---	---	---	---	---	---	---
(17.56)	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	---
	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	---
	06/16/00	Property transferred to Valero Refining Company.										---
	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	---
	10/15/01	NLPH	6.24	11.32	1,100e	27,000	790	<12	<12	<12	<12	---
(17.31)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	02/04/02	NLPH	4.24	13.07	168	14,800	545	425	120	1,480	4,030	---
	05/06/02	NLPH	4.83	12.48	1,540	8,580	380/522.0g	988	24.0	866	1,080	32.0h
	08/22/02	NLPH	6.49	10.82	10,400	4,050	716	44.5	11.5	460	270	---
	11/08/02	NLPH	5.49	11.82	822	5,640	1,150	49.3	42.7	586	858	---
	02/07/03	NLPH	4.89	12.42	1,590	14,300	572	134	393	1,000	3,720	---
	05/02/03	NLPH	4.68	12.63	1,550	8,880	1,560	92.0	167	672	1,530	---
	08/14/03	NLPH	6.15	11.16	666	6,560	3,780	28.2	5.3	133	184	---
	11/14/03	**NLPH**	**6.03**	**11.28**	**338**	**5,370**	**4,520**	**26.4**	**3.1**	**44.9**	**45.0**	---
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	---	---	---	---	---	---	---	---	---	---	---

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TPHd ug/L	TPHg ug/L	MTBE ug/L	B ug/L	T ug/L	E ug/L	X ug/L	Select VOCs ug/L
MW7 (cont.)	01/28/98	NLPH	3.06	14.06	---	100	250c	1.0	<0.5	<0.5	0.67	---
(17.12)	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	---	---	---	---	---	---	---	---
	06/16/00	Property transferred to Valero Refining Company.										
	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	---
	10/15/01	NLPH	7.50	9.62	---	170	740	<0.5	<0.5	<0.5	0.69	---
(17.06)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	02/04/02	NLPH	3.81	13.25	88.0	928	610	<0.50	<0.50	<0.50	<0.50	---
	05/06/02	NLPH	4.51	12.55	72	591	565/712.0g	2.4	<0.5	2.5	4.1	144h
	08/22/02	NLPH	6.25	10.81	<50	586	482	2.5	<2.5	<2.5	3.0	---
	11/08/02	NLPH	5.03	12.03	<50	463	319	1.7	<0.5	<0.5	0.6	---
	02/07/03	NLPH	4.57	12.49	<50	344	440	0.9	0.9	0.8	3.5	---
	05/02/03	NLPH	4.39	12.67	<50	323	307	0.80	<0.5	<0.5	<0.5	---
	08/14/03	NLPH	5.96	11.10	<50	197	45.5	2.00	<0.5	<0.5	1.0	---
	11/14/03	**NLPH**	**6.04**	**11.02**	**<50**	**146**	**48.0**	**1.50**	**<0.5**	**0.6**	**1.7**	**---**
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	---	---	---	---	---	---	---	---

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
		<		>	<			ug/L				>
MW8 (cont.)	04/10/97	---	---	---	---	---	---	---	---	---	---	---
(16.33)	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	
	06/16/00	Property transferred to Valero Refining Company.										---
	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	---
	10/15/01	NLPH	6.19	10.14	<50	<50	<2	<0.5	<0.5	<0.5	<0.5	
(16.24)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										---
	02/04/02	f	---	---	---	---	---	---	---	---	---	---
	05/06/02	NLPH	5.31	10.93	<50	<50.0	0.5/<0.50g	<0.5	<0.5	<0.5	<0.5	ND
	08/22/02	NLPH	6.07	10.17	<50	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5	---
	11/08/02	NLPH	5.91	10.33	<50	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5	---
	02/07/03	NLPH	5.34	10.90	<50	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5	---
	05/02/03	NLPH	5.27	10.97	<50	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5	---
	08/14/03	NLPH	5.60	10.64	<50	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5	---
	11/14/03	**NLPH**	**6.01**	**10.23**	**55**	**<50.0**	**<0.5**	**<0.50**	**<0.5**	**0.7**	**1.7**	**---**

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	Select VOCs
(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	---
	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	---
	06/16/00	Property transferred to Valero Refining Company.										
	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	---
	10/15/01	NLPH	6.65	8.97	---	<50	<2	<0.5	<0.5	<0.5	<0.5	---
(15.56)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	02/04/02	NLPH	4.77	10.79	<50.0	<50.0	0.50	<0.50	<0.50	<0.50	<0.50	---
	05/06/02	NLPH	6.29	9.27	<50	<50.0	<0.5/<0.50g	<0.5	<0.5	<0.5	<0.5	ND
	08/22/02	NLPH	6.70	8.86	<50	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5	---
	11/08/02	NLPH	6.55	9.01	<50	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5	---
	02/07/03	NLPH	6.35	9.21	<50	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5	---
	05/02/03	NLPH	6.16	9.40	91	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5	---
	08/14/03	NLPH	6.54	9.02	<50	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5	---
	11/14/03	**NLPH**	**6.60**	**8.96**	**<50**	**<50.0**	**<0.5**	**<0.50**	**<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
(Page 11 of 17)

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
		<	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	---
	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	---
	01/13/99	NLPH	6.42	11.62	---	50,900	1,920	2,210	6,440	2,030	10,600	---
	04/28/99	NLPH	5.30	12.74	---	59,400	2,390c	3,790	4,260	1,790	2,970	---
	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	---

CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
		<...feet...		>	<...			ug/L...				>
MW11 (cont.)	01/21/00	NLPH	6.47	11.57	---	56,000	1,100	2,300	4,600	2,100	11,600	---
(18.04)	04/14/00	NLPH	5.09	12.95	---	42,000	2,100	3,000	2,600	1,600	8,000	---
	06/16/00	Property transferred to Valero Refining Company.										
	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	---
	10/15/01	NLPH	8.10	9.94	1,400e	55,000	2,600	5,100	5,700	1,900	9,100	---
(17.98)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	02/04/02	NLPH	5.14	12.84	2,430	37,800	1,910	3,340	3,550	1,450	6,480	---
	05/06/02	NLPH	5.51	12.47	3,000	27,200	1,350/1,984g	1,420	1,580	1,110	4,960	311h/1.00j
	08/22/02	NLPH	6.63	11.35	5,660	28,100	2,240	2,020	1,520	1,120	5,360	---
	11/08/02	NLPH	5.34	12.64	3,680	26,000	246	1,170	2,130	1,020	5,390	---
	02/07/03	NLPH	5.42	12.56	4,360	50,000	1,400	3,660	4,500	1,920	8,600	---
	05/02/03	NLPH	5.17	12.81	2,330	41,200	1,080	1,980	1,860	1,450	7,100	---
	08/14/03	NLPH	6.42	11.56	5,480	46,700	1,140	3,360	2,150	1,870	7,640	---
	11/14/03	**NLPH**	**6.39**	**11.59**	**3,530**	**45,800**	**240**	**2,070**	**3,300**	**2,010**	**8,680**	**---**
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	---	---	---	---	---	---	---	---	---	---

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
		<	feet	>	<			ug/L				>
MW12 (cont.)	01/13/99	NLPH	5.19	11.11	---	---	---	---	---	---	---	---
(16.30)	04/28/99	---	4.53	11.77	---	---	---	---	---	---	---	---
	06/16/00	Property transferred to Valero Refining Company.										
(16.15)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	Not monitored or sampled 07/09/99 through 04/02/01.					---	---	---	---	---	---	---
	07/02/01	NLPH	8.34	7.96	---	---	---	---	---	---	---	---
	Not monitored or sampled 10/15/01 through present.											
EW1	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	---	---	---	---	---	---	---	---
	06/16/00	Property transferred to Valero Refining Company.										
(16.27)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	Not monitored or sampled 07/09/99 through March 2002.											
	5/6/2002	NLPH	4.94	11.33	---	---	---	---	---	---	---	---
	8/22/2002	f	---	---	---	---	---	---	---	---	---	---
	11/8/2002	NLPH	3.80	12.47	---	---	---	---	---	---	---	---
	2/7/2003	NLPH	12.45	3.82	---	---	---	---	---	---	---	---
	5/2/2003	NLPH	6.55	9.72	---	---	---	---	---	---	---	---
	8/14/2003	NLPH	---	---	---	---	---	---	---	---	---	---
	11/14/2003	**NLPH**	**---**	**—**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California
(Page 14 of 17)

Well ID #	Sampling	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
(TOC)	Date	<.....	feet	.....>	<.....			ug/L				.....>
EW2	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	---
	07/26/96	NLPH	16.50	-0.45	---	1,400	14,000	250	56	10	220	---
	10/30/96	NLPH	20.30	-4.25	---	1,500	13,000	200	44	8.8	190	---
	01/31/97	NLPH	19.21	-3.16	---	---	---	---	---	---	---	---
	04/10/97	---	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	3.35	12.70	---	---	---	---	---	---	---	---
	04/14/98	NLPH	3.45	12.60	---	---	---	---	---	---	---	---
	07/30/98	NLPH	11.50	4.55	---	---	---	---	---	---	---	---
	10/19/98	NLPH	5.67	10.38	---	---	---	---	---	---	---	---
	01/13/99	NLPH	9.57	6.48	---	---	---	---	---	---	---	---
	04/28/99	NLPH	10.15	5.90	---	---	---	---	---	---	---	---
	06/16/00	Property transferred to Valero Refining Company.										
(16.07)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	Not monitored or sampled 07/09/99 through present.											
EW3	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	---

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
		<	feet	>	<			ug/L				>
EW3 (cont.)	10/30/96	NLPH	9.24	6.78	---	660	2,800	60	8.2	<0.5	100	---
(16.02)	01/31/97	NLPH	11.10	4.92	---	---	---	---	---	---	---	---
	04/10/97	---	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	3.42	12.60	---	---	---	---	---	---	---	---
	04/14/98	NLPH	3.50	12.52	---	---	---	---	---	---	---	---
	07/30/98	NLPH	18.57	-2.55	---	---	---	---	---	---	---	---
	10/19/98	NLPH	5.65	10.37	---	---	---	---	---	---	---	---
	01/13/99	NLPH	13.85	2.17	---	---	---	---	---	---	---	---
	04/28/99	NLPH	4.52	11.50	---	---	---	---	---	---	---	---
	06/16/00	Property transferred to Valero Refining Company.										
(16.08)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	Not monitored or sampled 07/09/99 through March 2002.											
	5/6/2002	NLPH	5.38	10.70	---	---	---	---	---	---	---	---
	8/22/2002	NLPH	13.00	3.08	---	---	---	---	---	---	---	---
	11/8/2002	NLPH	4.19	11.89	---	---	---	---	---	---	---	---
	2/7/2003	NLPH	21.15	-5.07	---	---	---	---	---	---	---	---
	5/2/2003	NLPH	23.50	-7.42	---	---	---	---	---	---	---	---
	8/14/2003	NLPH	6.07	10.01	---	---	---	---	---	---	---	---
	11/14/2003	**NLPH**	**6.04**	**10.04**	---	---	---	---	---	---	---	---
EW4	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	---	---	---	---	---	---	---	---

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
		<.....	feet	.....>	<.....			ug/L				.....>
EW4 (cont.)	07/30/98	NLPH	4.89	11.72	---	---	---	---	---	---	---	---
(16.61)	10/19/98	NLPH	5.16	11.45	---	---	---	---	---	---	---	---
	01/13/99	NLPH	5.57	11.04	---	---	---	---	---	---	---	---
	04/28/99	NLPH	4.27	12.34	---	---	---	---	---	---	---	---
	06/16/00	Property transferred to Valero Refining Company.										
(15.69)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	Not monitored or sampled 07/09/99 through present.											
EW5	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	---
	01/24/96	NLPH	9.72	6.79	---	2,500	350	280	66	22	370	---
	04/24/96	NLPH	8.13	8.38	---	6,400	400	690	240	380	1,300	---
	07/26/96	NLPH	10.00	6.51	---	850	84	82	2.5	2.4	100	---
	10/30/96	NLPH	9.82	6.69	---	1,200	68	110	5.1	2.2	120	---
	01/31/97	NLPH	9.00	7.51	---	---	---	---	---	---	---	---
	04/10/97	---	---	---	---	---	---	---	---	---	---	---
	07/10/97	---	---	---	---	---	---	---	---	---	---	---
	10/08/97	---	---	---	---	---	---	---	---	---	---	---
	01/28/98	NLPH	3.54	12.97	---	---	---	---	---	---	---	---
	04/14/98	NLPH	3.65	12.86	---	---	---	---	---	---	---	---
	07/30/98	NLPH	7.63	8.88	---	---	---	---	---	---	---	---
	10/19/98	NLPH	5.75	10.76	---	---	---	---	---	---	---	---
	01/13/99	NLPH	7.03	9.48	---	---	---	---	---	---	---	---
	04/28/99	NLPH	8.80	7.71	---	---	---	---	---	---	---	---
	06/16/00	Property transferred to Valero Refining Company.										
(16.67)	Nov-2001	Well surveyed in compliance with AB 2886 requirements.										
	Not monitored or sampled 07/09/99 through March 2002.											

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	B	T	E	X	Select VOCs
		<	feet	>	<			ug/L				>
EW5 (cont.)	5/6/2002	NLPH	4.78	11.89	---	---	---	---	---	---	---	---
(16.67)	8/22/2002	NLPH	6.61	10.06	---	---	---	---	---	---	---	---
	11/8/2002	NLPH	3.74	12.93	---	---	---	---	---	---	---	---
	2/7/2003	NLPH	6.40	10.27	---	---	---	---	---	---	---	---
	5/2/2003	NLPH	5.91	10.76	---	---	---	---	---	---	---	---
	8/14/2003	NLPH	6.28	10.39	---	---	---	---	---	---	---	---
	11/14/2003	**NLPH**	**6.19**	**10.48**	---	---	---	---	---	---	---	---

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.
Select VOCs	=	Select volatile organic compounds analyzed using EPA Method 8260.
NLPH	=	No liquid-phase hydrocarbons.
SPL	=	Separate-phase liquids present.
ND	=	Not detected at or above laboratory reporting limits.
---	=	Not sampled.
ug/L	=	Micrograms per liter.
<	=	Less than the stated laboratory method reporting 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.
e	=	TPHd was detected in the sample; however, the detections do not resemble the typical diesel pattern.
f	=	Well inaccessible.
g	=	MTBE analyzed using EPA Method 8260B.
h	=	Tertiary butyl alcohol (TBA) detected using EPA Method 8260B.
i	=	Di-isopropyl ether (DIPE) detected using EPA Method 8260B.
j	=	Ethyl tertiary butyl ether (ETBE) detected using EPA Method 8260B.

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

Date	Sample ID	FIELD MEASUREMENTS: Hour Meter	Hours of Operation	Temp F	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	Analytical Laboratory Results: TPHg mg/m^3	Benzene mg/m^3	TPHg Removal: Per Period Pounds	TPHg Removal: Cumulative Pounds	Benzene Removal: Per Period Pounds	Benzene Removal: Cumulative Pounds	Benzene 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	83	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	95	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	93	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	16	53.5	43	< 1	6.27	< 67.2	< 0.13	< 0.14	
	A-INT								0.0	< 10	< 1					
	A-EFF								0.0	< 10	< 1					< 0.001
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	49	294.0							
	A-INT								23.7							
	A-EFF								2.4							

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

Date	Sample ID	FIELD MEASUREMENTS: Hour Meter	Hours of Operation	Temp F	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	Analytical Laboratory Results: TPHg mg/m^3	Benzene mg/m^3	TPHg Removal: Per Period Pounds	TPHg Removal: Cumulative Pounds	Benzene Removal: Per Period Pounds	Benzene Removal: Cumulative Pounds	Benzene Emission Rate lbs/day
09/12/00	System down upon arrival for carbon changeout. System running on departure.															
	A-INF	13,070	5	74		20	2,600	53	247.5	190	2.5	5.09	< 72.3	0.08	< 0.21	
	A-INT								0.0	< 10	< 1.0					
	A-EFF								0.0	< 10	< 1.0					< 0.00
09/26/00	A-INF	13,406	336	80		22	2,450	50	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	50	96.4	55	< 1.0	16.90	< 89.2	< 0.24	< 0.45	
	A-INT								72.3	21	< 1.0					
	A-EFF								9.0	< 10	< 1.0					< 0.004
10/30/00	System down upon arrival for carbon changeout. System running on departure.															
	A-INF	13,788	2	56		24	2,450	52	10,024	1,700	15	0.33	< 89.5	0.00	< 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	48	102.6	29	< 1.0	35.42	< 125.0	< 0.33	< 0.79	
	A-INT								41.8	< 10	< 1.0					
	A-EFF								Stet	< 10	< 1.0					< 0.004
11/21/00	System running upon arrival. System down upon departure for carbon changeout.															
	A-INF	14,314	306	68		25	2,300	47	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	51	957	240	2.1	7.66	< 132.6	0.09	< 0.87	
	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	54	192.1							
	A-INT								4.8							
	A-EFF								0.0							
01/09/01	A-INF	15,012	315	56		25	2,400	50	82.4	32	< 1.0	17.95	< 150.6	< 0.20	< 1.08	
	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	48	485.0							
	A-INT								35.2							
	A-EFF								20.7							

TABLE 2
CUMULATIVE HYDROCARBON REMOVAL AND EMISSIONS FOR
SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California
(Page 3 of 10)

		FIELD MEASUREMENTS								Analytical Laboratory Results		TPHg Removal		Benzene Removal		Benzene
Date	Sample ID	Hour Meter	Hours of Operation	Temp F	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	TPHg mg/m^3	Benzene mg/m^3	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day
01/31/01	A-INF	15,355	2	45		33	1,500	32	10000							
	A-INT								0							
	A-EFF								0							
02/13/01	A-INF	15,669	314	56		12	4,000	87	37.8	31	< 1.0	5.32	< 155.9	< 0.17	< 1.25	
	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	85	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	86	5833	1300	6.1	71.70	< 227.6	0.38	< 1.63	
	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	86	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	85	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	84	18.6	< 10	< 1.0	< 214.61	< 442.2	< 1.16	< 2.79	
	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	83	11.3	< 10	< 1.0	< 1.05	< 443.3	< 0.10	< 2.90	
	A-INT								3.6	< 10	< 1.0					
	A-EFF								5.9	< 10	< 1.0					< 0.007
05/24/01	System running on arrival and departure.															
	A-INF	17,734	363	86		20	3,050	61	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	10	496	280	< 1.0	< 15.53	< 458.8	< 0.11	< 3.00	
	A-INT								19.7	< 10	< 1.0					
	A-EFF								3.2	< 10	< 1.0					< 0.001

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

Date	Sample ID	FIELD MEASUREMENTS: Hour Meter	Hours of Operation	Temp F	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	Analytical Laboratory Results: TPHg mg/m^3	Benzene mg/m^2	TPHg Removal: Per Period Pounds	TPHg Removal: Cumulative Pounds	Benzene Removal: Per Period Pounds	Benzene Removal: Cumulative Pounds	Benzene Emission Rate lbs/day
06/19/01	System running on arrival and departure.															
	A-INF	18,353	361	80		38	500	10	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	10	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	84	0.0	< 10	< 1.0	< 26.38	< 485.2	< 0.18	< 3.19	
	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.															
10/18/01	System down on arrival, installed blower, and running on departure.															
	A-INF	19,534	506	120		31	4,000	74	568.0							
	A-INT								3.0							
	A-EFF								2.0							
10/24/01	System running on arrival and running upon departure.															
	A-INF	19,673	139	80		41	3,300	63	93.1	72	< 1.0	7.31	< 492.5	< 0.18	< 3.36	
	A-INT								7.3	< 10	< 1.0					
	A-EFF								5	< 10	< 1.0					< 0.006
11/07/01	System running on arrival and down upon departure for carbon c/o. Samples taken															
	A-INF	20,012	339	74		45	3,000	58	230.0	55	< 1.0	4.88	< 497.4	< 0.08	< 3.44	
	A-INT								27.0	< 10	< 1.0					
	A-EFF								5.1	< 10	< 1.0					< 0.005
11/21/01	System running on arrival and down upon departure for carbon c/o. Samples taken															
	A-INF	20,012	0	150		45	3,000	51	373.0							
	A-INT								0.0							
	A-EFF								0							
12/12/01	System down upon arrival, K.O. tank H/H, and running upon departure.															
12/12/01	A-INF	20,361	349	142		46	3,000	51	98.1	45	1.3	3.55	< 500.9	0.08	< 3.52	
	A-INT								1.0	< 10	< 1.0					
	A-EFF								2.7	< 10	< 1.0					< 0.005

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	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	TPHg mg/m^3	Benzene mg/m^3	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day
12/27/01	System down upon arrival and running upon departure.															
12/27/01	A-INF	20,508	147	142		44	2,400	41	2396							
	A-INT								2.4							
	A-EFF								0							
01/09/02	System down upon arrival, K.O. tank H/H, and running upon departure.															
01/09/02	A-INF	20,541	33	148		42	2,700	46	794.5	670	8.0	11.68	< 512.6	0.15	< 3.67	
	A-INT								36.2	< 10	< 1.0					
	A-EFF								2	< 10	< 1.0					< 0.004
01/23/02	System running upon arrival and down upon departure for carbon c/o.															
01/23/02	A-INF	20,876	335	136		45	3,800	66	41.2							
	A-INT								8.3							
	A-EFF								7.2							
02/06/02	System down upon arrival and running upon departure.															
02/06/02	A-INF	20,877	1	50		50	3,000	60	260	458	24.5	37.43	< 550.0	1.08	< 4.75	
	A-INT								4.9	< 5.00	< 0.500					
	A-EFF								0.1	< 5.00	< 0.500					< 0.003
02/21/02	System running upon arrival and upon departure.															
02/21/02	A-INF	21,237	360	158		50	2,600	43	189.8							
	A-INT								4.7							
	A-EFF								0.0							
03/06/02	System running upon arrival and upon departure.															
03/06/02	A-INF	21,549	312	152		45	2,800	47	185.2	82.3	2.90	36.20	< 586.2	1.84	< 6.59	
	A-INT								14.2	15.1	< 0.500					
	A-EFF								1.4	16.0	< 0.500					< 0.002
03/21/02	System running upon arrival and upon departure. Installed pressure gauge for field reading.															
03/21/02	A-INF	21,913	364	146	---	38	3,200	55	96.3							
	A-INT								1.5							
	A-EFF								1.7							
04/10/02	System running upon arrival and down upon departure.															
04/10/02	A-INF	22,393	480	76	---	45	3,200	61	64.3	12.0	0.16	8.06	< 594.3	0.26	< 6.85	
	A-INT								19.6	< 10	< 0.10					
	A-EFF								6	< 10	< 0.10					< 0.001
05/08/02	System down upon arrival and running upon departure.															
05/08/02	A-INF	22,394	1	109	---	37	3,000	55	354.1	440.0	3.2	0.05	< 594.3	0.00	< 6.85	
	A-INT								16.7	< 10	< 0.10					
	A-EFF								11.9	10	< 0.10					< 0.000

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

Date	Sample ID	FIELD MEASUREMENTS: Hour Meter	Hours of Operation	Temp F	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	Analytical Laboratory Results: TPHg mg/m^3	Benzene mg/m^3	TPHg Removal: Per Period Pounds	TPHg Removal: Cumulative Pounds	Benzene Removal: Per Period Pounds	Benzene Removal: Cumulative Pounds	Benzene Emission Rate lbs/day
05/16/02	System running upon arrival and upon departure.															
05/16/02	A-INF	22,592	198	118	7	41	2,800	50	98.1							
	A-INT								3.9							
	A-EFF								3.9							
05/22/02	System running upon arrival and upon departure.															
05/22/02	A-INF	22,731	139	118	7	38	2,800	51	98.1							
	A-INT								3.9							
	A-EFF								3.9							
06/05/02	System running upon arrival and down upon departure for carbon changeout.															
06/05/02	A-INF	23,068	337	118	---	38	3,000	54	101.1							
	A-INT								10.1							
	A-EFF								18.2							
06/19/02	System down upon arrival and running upon departure.															
06/19/02	A-INF	23,068	0	76	---	9	3,000	63	178.8	120.0	0.83	41.86	< 636.2	0.30	< 7.15	
	A-INT								0.0	< 10	< 0.10					
	A-EFF								0.0	< 10	< 0.10					< 0.001
07/03/02	System running upon arrival and upon departure.															
07/03/02	A-INF	23,409	341	112	---	25	3,000	57	62.2	33	0.25	5.86	< 642.1	0.04	< 7.19	
	A-INT								0.0	< 10	< 0.10					
	A-EFF								0.0	< 10	< 0.10					< 0.001
07/17/02	System down upon arrival and running upon departure.															
07/17/02	A-INF	23,434	25	109	---	70	3,000	50	82.2							
	A-INT								0.0							
	A-EFF								0.0							
07/31/02	System running upon arrival and upon departure.															
07/31/02	A-INF	23,764	330	110	---	21	3,000	58	16.4							
	A-INT								0.0							
	A-EFF								0.0							
08/14/02	System running upon arrival and upon departure.															
08/14/02	A-INF	24,103	339	112	---	16	3,000	58	9.8	19	0.21	3.88	< 645.9	0.03	< 7.23	
	A-INT								0.0	< 10	< 0.10					
	A-EFF								0.0	< 10	< 0.10					< 0.001
08/28/02	System running upon arrival and down upon departure.															
08/28/02	A-INF	24,414	311	110	---	16	3,000	58	16.0							
	A-INT								0.0							
	A-EFF								0.0							

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

Date	Sample ID	FIELD MEASUREMENTS: Hour Meter	Hours of Operation	Temp F	Pressure in H_2O	Vacuum in H_2O	Flow: lfm	Flow: scfm	PID ppmv	Analytical Laboratory Results: TPHg mg/m^3	Analytical Laboratory Results: Benzene mg/m^3	TPHg Removal: Per Period Pounds	TPHg Removal: Cumulative Pounds	Benzene Removal: Per Period Pounds	Benzene Removal: Cumulative Pounds	Benzene Emission Rate lbs/day
11/06/02	System down upon arrival and running upon departure.															
11/06/02	A-INF	24,415	1	106	---	26	3,000	57	1282	1,300	12	44.46	< 690.4	0.41	< 7.64	
	A-INT								0.0	< 10	< 0.10					
	A-EFF								0.0	< 10	< 0.10					< 0.001
11/20/02	System running upon arrival and upon departure.															
11/20/02	A-INF	24,754	339	122	---	36	3,300	60	67.6							
	A-INT								1.1							
	A-EFF								0.0							
12/04/02	System running upon arrival and upon departure.															
12/04/02	A-INF	25,084	330	112	---	46	3,200	57	47.5	< 500	< 5.0	< 129.10	< 819.5	< 1.22	< 8.86	
	A-INT								0.2	< 100	< 1.0					
	A-EFF								0.0	< 100	< 1.0					< 0.005
12/18/02	System running upon arrival and upon departure. Carbon C/O performed.															
	A-INF	25,422	668	112	7	46	3,000	54	76.1							
	A-INT								2.1							
	A-EFF								0.0							
01/06/03	System running upon arrival and down upon departure for carbon C/O.															
	A-INF	25,875	453	---	---	35	3200	---	372.0							
	A-INT								602.0							
	A-EFF								604.0							
01/15/03	System down on arrival and running on departure.															
01/15/03	A-INF	25,875	0	112	---	45	2,800	50	134.0	110	1.4	< 48.56	< 868.1	< 0.51	< 9.37	
	A-INT								1.3	22	< 0.20					
	A-EFF								0.0	< 20	< 0.20					< 0.001
01/29/03	System running upon arrival and departure.															
01/29/03	A-INF	26,210	335	114	---	45	2,700	48	56.9							
	A-INT								0.0							
	A-EFF								0.0							
02/12/03	System running upon arrival and departure.															
02/12/03	A-INF	26,548	338	110	---	44	2,800	51	50.6	24	0.27	8.51	< 876.6	0.11	< 9.47	
	A-INT								3.4	90	1.1					
	A-EFF								0.0	< 10	< 0.10					< 0.000
02/26/03	System running upon arrival and departure. Carbon C/O performed															
02/26/03	A-INF	26,884	336	112	---	44	2,300	46	122.9							
	A-INT								1.9							
	A-EFF								0.0							
03/12/03	System running upon arrival and departure. Carbon C/O performed															
	A-INF	27,218	334	120	---	43	2,600	52	30.4	59	0.81	5.33	< 881.9	0.07	< 9.54	
	A-INT								0.6	< 10	< 0.10					
	A-EFF								0.1	< 10	< 0.10					< 0.000

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	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	TPHg mg/m^3	Benzene mg/m^3	Per Period Pounds	Cumulative Pounds	Per Period Pounds	Cumulative Pounds	Emission Rate lbs/day
03/26/03	System running upon arrival and departure.															
03/26/03	A-INF	27,555	337	116	---	40	2,700	54	12.4							
	A-INT								2.5							
	A-EFF								0.1							
04/09/03	System running upon arrival and departure.															
04/09/03	A-INF	27,889	334	120	---	40	2,800	56	36.0	57	0.36	7.83	< 889.7	0.08	< 9.62	
	A-INT								2.4	< 10	< 0.10					
	A-EFF								1.0	< 10	< 0.10					< 0.001
04/23/03	System running upon arrival and departure.															
04/23/03	A-INF	28,227	338	113	---	39	2,400	48	54.7							
	A-INT								4.0							
	A-EFF								3.7							
05/07/03	System running upon arrival and departure.															
05/07/03	A-INF	28,563	336	118	---	40	2,500	50	8.5	14	0.34	4.73	< 894.5	0.05	< 9.67	
	A-INT								1.8	< 10	< 0.10					
	A-EFF								2.2	< 10	< 0.10					< 0.000
05/21/03	System running upon arrival and departure.															
05/21/03	A-INF	28,900	337	127	---	38	2,750	54	15.8							
	A-INT								2.4							
	A-EFF								1.3							
06/04/03	System running on arrival, down on departure for carbon c/o															
	A-INF	29,234	334	121	---	39	2,900	58	81.2							
	A-INT								90.7							
	A-EFF								70.2							
06/18/03	System down on arrival for c/o, running on departure. Samples taken.															
	A-INF	29,237	3	120	---	39	2,800	56	120.0	790	12	53.58	< 948.0	0.82	< 10.49	
	A-INT								0.1	< 10	0.13					
	A-EFF								0.1	< 10	< 0.10					< 0.001
07/02/03	System running on arrival and departure.															
	A-INF	29,576	339	120	---	38	3,200	64	91.0	70	1.1	32.58	< 980.6	0.50	< 10.99	
	A-INT								0.0	< 10	< 0.10					
	A-EFF								0.1	< 10	< 0.10					< 0.001
07/16/03	System running on arrival and departure.															
	A-INF	29,910	334	129	---	39	3,150	62	95.0							
	A-INT								6.6							
	A-EFF								2.5							

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

Date	Sample ID	FIELD MEASUREMENTS: Hour Meter	Hours of Operation	Temp F	Pressure in H_2O	Vacuum in H_2O	Flow lfm	Flow scfm	PID ppmv	Analytical Laboratory Results: TPHg mg/m^3	Analytical Laboratory Results: Benzene mg/m^3	TPHg Removal: Per Period Pounds	TPHg Removal: Cumulative Pounds	Benzene Removal: Per Period Pounds	Benzene Removal: Cumulative Pounds	Benzene Emission Rate lbs/day
07/30/03	System running on arrival. Shut down for carbon c/o. Down on departure.															
	A-INF	30,241	331	118	---	40	3,050	61	51.7							
	A-INT								22.6							
	A-EFF								0.0							
08/13/03	System down on arrival. Restarted. Running on departure.															
	A-INF	30,244	3	125	---	39	3,100	61	321.0	110	1.9	14.05	< 994.7	0.23	< 11.22	
	A-INT								5.7	< 10	< 0.10					
	A-EFF								6.8	10	0.26					< 0.001
08/27/03	System running on arrival and departure.															
	A-INF	30,501	257	121	---	39	2,900	58	122.6							
	A-INT								2.6							
	A-EFF								1.5							
09/10/03	System running on arrival and departure.															
	A-INF	30,919	418	126	---	40	2,650	52	117.0	93	2.4	14.54	< 1,009.2	0.31	< 11.53	
	A-INT								6.4	< 10	< 0.10					
	A-EFF								3.0	< 10	< 0.10					< 0.0005
09/24/03	System running on arrival and departure.															
	A-INF	31,256	337	120	---	38.5	3,150	63	96.0							
	A-INT								17.0							
	A-EFF								0.6							
10/08/03	System running on arrival and departure.															
	A-INF	31,587	331	120	---	38	3,000	60	31.0	33	0.52	8.82	< 1,018.0	0.20	< 11.73	
	A-INT								1.9	< 10	< 0.10					
	A-EFF								0.0	< 10	< 0.10					< 0.0005
10/22/03	System running on arrival. Shut down due to bad motor starter. Down on departure.															
	A-INF	31,923	336	nm	---	41	2,700	nc	36.0							
	A-INT								3.0							
	A-EFF								2.0							
11/03/03	System down on arrival and departure.															
11/12/03	System down on arrival and departure. Replaced blower motor starter heater assembly.															
11/17/03	System down on arrival. Restarted. Running on departure.															
	A-INF	31,927	4	110	---	36	3,100	63	262.0							
	A-INT								3.1							
	A-EFF								0.2							
12/01/03	System running on arrival and departure.															
	A-INF	32,263	336	108	---	38	2,800	57	25.3	26	0.55	4.35	< 1,022.4	0.08	< 11.81	
	A-INT								0.0	< 10	< 0.10					
	A-EFF								0.0	< 10	< 0.10					< 0.0005

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

Notes:		Data prior to April 1, 2000 provided by Delta Environmental Consultants, Inc.
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 EXTRACTION AND TREATMENT 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	B	T	E	X	MTBE	TPHg Removal Per Period	TPHg Removal Cumulative	Benzene Removal Per Period	Benzene Removal Cumulative	MTBE Removal Per Period	MTBE Removal Cumulative
				<...ug/L...>						<...lbs...>		<...lbs...>		<...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	< 0.03	< 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							
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							

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER EXTRACTION AND TREATMENT 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	MTBE ug/L	TPHg Removal Per Period lbs	TPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs	MTBE Removal Per Period lbs	MTBE Removal Cumulative lbs
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							
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							

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER EXTRACTION AND TREATMENT 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	MTBE ug/L	TPHg Removal Per Period lbs	TPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs	MTBE Removal Per Period lbs	MTBE Removal Cumulative lbs
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							
01/21/97	3,735,730	0.001	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							

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER EXTRACTION AND TREATMENT 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	MTBE ug/L	TPHg Removal Per Period lbs	TPHg Removal Cumulative lbs	Benzene Removal Per Period lbs	Benzene Removal Cumulative lbs	MTBE Removal Per Period lbs	MTBE Removal Cumulative lbs
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							
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							

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER EXTRACTION AND TREATMENT 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		B	T	E	X	MTBE	TPHg Removal Per Period		Cumulative		Benzene Removal Per Period		Cumulative		MTBE Removal Per Period	Cumulative
				<.....ug/L.....>							<.....lbs.....>				<.....lbs.....>				<.....lbs.....>	
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											
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											

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER EXTRACTION AND TREATMENT 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		B	T	E	X	MTBE	TPHg Removal Per Period		TPHg Removal Cumulative		Benzene Removal Per Period		Benzene Removal Cumulative		MTBE Removal Per Period	MTBE Removal Cumulative
				<.....ug/L.....>							<.....lbs.....>				<.....lbs.....>				<.....lbs.....>	
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											
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											

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER EXTRACTION AND TREATMENT 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	B	T	E	X	MTBE	TPHg Removal Per Period	TPHg Removal Cumulative	Benzene Removal Per Period	Benzene Removal Cumulative	MTBE Removal Per Period	MTBE Removal Cumulative
				<.....ug/L.....>						<.....lbs.....>		<.....lbs.....>		<.....lbs.....>	
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							
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	0.0020	< 4.73	---	---
			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	0.04	W-INF	< 50	< 1.0	<1.0	<1.0	<1.0	---	< 0.02	< 29.2	< 0.0016	< 4.73	---	---
			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.														
04/01/00	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
06/05/02	System down on arrival and running on departure. Startup. Water samples collected for startup.														
06/05/02	10	0.00001	W-INF	< 50	< 0.5	<0.5	<0.5	<0.5	---	0.000	< 29.2	0.000	< 4.73	---	---
			W-INT 1	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-INT 2	< 50	< 0.5	<0.5	<0.5	<0.5							
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5							
06/19/02	GRS running on arrival and departure.														
06/19/02	47,370	2.3492													
07/03/02	GRS running on arrival and departure.														
07/03/02	114,030	3.3065	W-INF	270	< 2.5	<2.5	<2.5	<2.5	1,300	0.152	< 29.3	< 0.001	< 4.74	1.24	1.24
			W-INT 1	< 50	< 0.5	<0.5	<0.5	<0.5	46						
			W-INT 2	< 50	< 0.5	<0.5	<0.5	<0.5	<2.5						
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5	<2.5						
07/17/02	GRS down on arrival and running on departure.														
07/17/02	114,230	0.010													

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Date	Total Flow gal	Average Flowrate gpm	Sample ID	Laboratory Analytical Results TPHg	B	T	E	X	MTBE	TPHg Removal Per Period	TPHg Removal Cumulative	Benzene Removal Per Period	Benzene Removal Cumulative	MTBE Removal Per Period	MTBE Removal Cumulative
				<.....ug/L.....>						<.....lbs.....>		<.....lbs.....>		<.....lbs.....>	
07/31/02	GRS running on arrival and down on departure.														
07/31/02	179,580	3.2416													
08/14/02	GRS down on arrival and running on departure.														
08/14/02	179,930	0.0174	W-INF	620	4.1	<2.5	<2.5	<2.5	1,400	0.245	29.6	0.002	4.74	0.742	1.979
			W-INT 1	< 50	< 0.50	<0.50	<0.50	<0.5	150						
			W-INT 2	< 50	< 0.50	<0.50	<0.50	<0.5	<2.5						
			W-EFF	< 50	< 0.50	<0.50	<0.50	<0.50	<2.5						
08/28/02	GRS running on arrival and down on departure.														
08/28/02	222,900	2.1314													
11/06/02	GRS down on arrival and running on departure.														
11/06/02	223,080	0.0018	W-INF	660	< 5.0	<5.0	<5.0	<5.0	1,700	0.230	29.8	0.002	4.74	0.558	2.537
			W-INT 1	100	3.9	<0.5	<0.5	1.4	150						
			W-INT 2	< 50	< 0.5	<0.5	<0.5	<0.5	<2.5						
			W-EFF	< 50	< 0.5	<0.5	<0.5	<0.5	<2.5						
11/20/02	GRS down on arrival and departure.														
11/20/02	NM	NM													
12/04/02	GRS down on arrival and departure.														
12/04/02	NM	NM													
12/18/02	GRS down on arrival and departure.														
12/18/02	NM	NM													
01/03/03	GRS down on arrival and departure.														
01/03/03	224,032	0.0114													
01/06/03	GRS down on arrival and departure.														
01/06/03	NM	NM													
01/15/03	GRS down on arrival and running on departure.														
01/15/03	224,360	0.0190	W-INF	730	< 5.0	<5.0	<5.0	<5.0	1,200	0.007	29.8	0.000	4.74	0.015	2.552
			W-INT 1	71	< 0.50	<0.50	<0.50	<0.50	110						
			W-INT 2	NM	NM	NM	NM	NM	NM						
			W-EFF	< 50	< 0.50	<0.50	<0.50	<0.50	<2.5						
01/29/03	GRS running on arrival and departure.														
01/29/03	283,830	2.9499													
02/12/03	GRS running on arrival and departure.														
02/12/03	321,540	1.8705	W-INF	< 500	< 5.0	<5.0	<5.0	<5.0	500	< 0.499	< 30.3	< 0.004	< 4.74	0.904	3.456
			W-INT 1	< 500	< 5.0	<5.0	<5.0	<5.0	500						
			W-INT 2	< 250	< 2.5	<2.5	<2.5	<2.5	330						
			W-EFF	< 50	< 0.50	<0.50	<0.50	<0.50	<2.5						
02/26/03	GRS running on arrival and departure.														
02/26/03	383,280	3.0625													

TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER EXTRACTION AND TREATMENT 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		B	T	E	X	MTBE	TPHg Removal Per Period		Cumulative		Benzene Removal Per Period		Cumulative		MTBE Removal Per Period	Cumulative
				<.....ug/L.....>							<.....lbs.....>				<.....lbs.....>				<.....lbs.....>	
03/12/03	GRS running on arrival and departure.																			
03/12/03	439,050	2.7664	W-INF		190	<	10	<10	<10	<10	1,200		0.338	<	30.7	<	0.007	<	4.75	0.833	4.289
			W-INT 1		86	<	2.5	<2.5	<2.5	<2.5	150										
			W-INT 2	<	50	<	0.50	<0.50	<0.50	<0.50	1.5										
			W-PSP#1	<	50	<	0.50	<0.50	<0.50	<0.50	<0.5										
03/26/03	GRS running on arrival and departure.																			
03/26/03	489,680	2.5114																		
04/09/03	GRS running on arrival and departure.																			
04/09/03	537,030	2.3487	W-INF	<	500	<	25	<25	<25	<25	930	<	0.282	<	30.9	<	0.014	<	4.76	0.871	5.160
			W-INT 1		50	<	2.5	<2.5	<2.5	<2.5	91										
			W-INT 2	<	50	<	0.50	<0.50	<0.50	<0.50	8.7										
			W-PSP#1	<	50	<	0.50	<0.50	<0.50	<0.50	<0.5										
04/23/03	GRS running on arrival and departure.																			
04/23/03	584,410	2.3502																		
05/07/03	GRS running on arrival and departure.																			
05/07/03	613,620	1.4489	W-INF		180	<	5.0	<5.0	<5.0	<5.0	430		0.217	<	31.2	<	0.010	<	4.77	0.435	5.595
			W-INT 1		110	<	0.50	<0.50	<0.50	<0.50	99										
			W-INT 2	<	50	<	0.50	<0.50	<0.50	<0.50	18										
			W-PSP#1	<	50	<	0.50	<0.50	<0.50	<0.50	<0.50										
05/21/03	GRS running on arrival and departure.																			
05/21/03	646,410	1.6265																		
06/04/03	GRS running on arrival, down on departure for carbon c/o																			
06/04/03	723,100	3.8041																		
06/18/03	GRS down on arrival, running on departure, monthly samples taken.																			
06/18/03	723,320	0.0109	W-INF	<	250	<	2.5	<2.5	<2.5	<2.5	410		0.197	<	31.4	<	0.003	<	4.78	0.384	5.979
			W-INT 1	<	50	<	0.50	<0.50	<0.50	<0.50	<2.5										
			W-INT 2	<	50	<	0.50	<0.50	<0.50	<0.50	<2.5										
			W-PSP#1	<	50	<	0.50	<0.50	<0.50	<0.50	<2.5										
07/02/03	GRS running on arrival and departure.																			
07/02/03	751,630	1.4043	W-INF		120	<	25	<25	<25	29	560		0.044	<	31.4	<	0.003	<	4.78	0.115	6.094
			W-INT 1	<	50	<	0.50	<0.50	<0.50	<0.50	<0.50										
			W-INT 2	<	50	<	0.50	<0.50	<0.50	<0.50	<0.50										
			W-PSP#1	<	50	<	0.50	<0.50	<0.50	<0.50	<0.50										
07/16/03	GRS running on arrival and departure.																			
07/16/03	778,100	1.3130																		
07/30/03	GRS running on arrival and departure.																			
07/30/03	805,390	1.3537																		

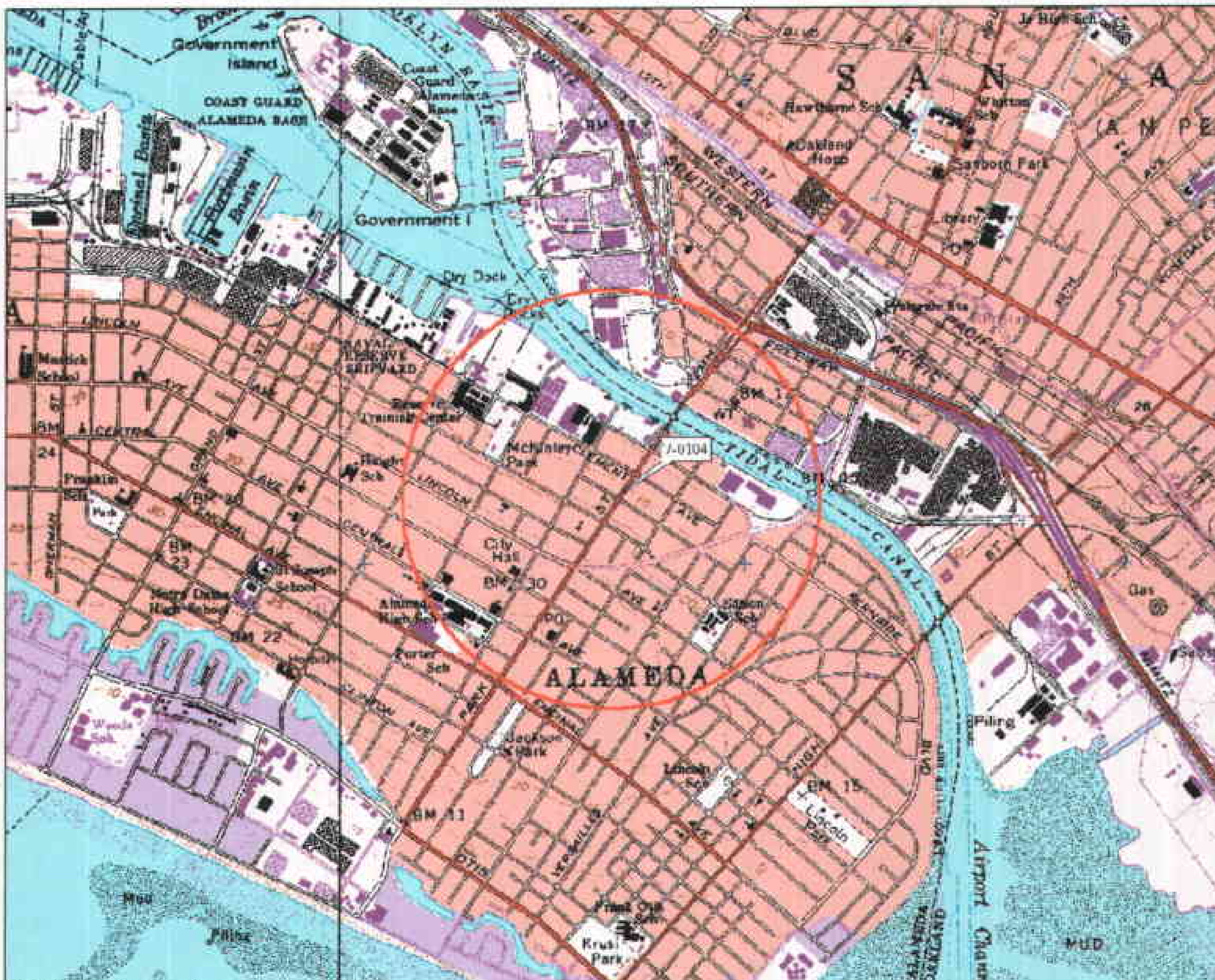
TABLE 3
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

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	MTBE ug/L	TPHg Removal Per Period lbs.		TPHg Removal Cumulative lbs.		Benzene Removal Per Period lbs.		Benzene Removal Cumulative lbs.		MTBE Removal Per Period lbs.	MTBE Removal Cumulative lbs.
08/13/03	GRS running on arrival and departure.																				
08/13/03	828,920	1.1672	W-INF		390	<	10	<10	<10	<10	620	0.164	<	31.6	<	0.011	<	4.79		0.380	6.474
			W-INT 1	<	50	<	0.50	<0.50	<0.50	<0.50	0.90										
			W-INT 2	<	50	<	0.50	<0.50	<0.50	<0.50	<0.50										
			W-PSP#1	<	50	<	0.50	<0.50	<0.50	<0.50	<0.50										
08/27/03	GRS running on arrival and departure.																				
08/27/03	854,560	1.2718																			
09/10/03	GRS down on arrival, running on departure.																				
09/10/03	854,800	0.0119	W-INF		89	<	5.0	<5.0	<5.0	<5.0	140	0.052	<	31.6	<	0.002	<	4.79		0.082	6.556
			W-INT 1	<	50	<	0.50	<0.50	<0.50	<0.50	0.81										
			W-INT 2	<	50	<	0.50	<0.50	<0.50	<0.50	<0.50										
			W-PSP#1	<	50	<	0.50	<0.50	<0.50	<0.50	<0.50										
09/24/03	GRS running on arrival and departure.																				
09/24/03	879,920	1.2460																			
10/08/03	GRS running on arrival and departure.																				
10/08/03	903,850	1.1870	W-INF		330	<	10	<10	<10	<10	540	0.086	<	31.7	<	0.003	<	4.80		0.139	6.695
			W-INT 1	<	50	<	0.50	<0.50	<0.50	<0.50	1.5										
			W-INT 2	<	50	<	0.50	<0.50	<0.50	<0.50	<0.50										
			W-PSP#1	<	50	<	0.50	<0.50	<0.50	<0.50	<0.50										
10/22/03	GRS running on arrival and departure.																				
10/22/03	927,460	1.1711																			
11/03/03	GRS running on arrival and departure.																				
11/03/03	947,710	1.1719	W-INF		530	<	10	<10	<10	<10	810	0.157	<	31.9	<	0.004	<	4.80		0.247	6.942
			W-INT 1	<	50	<	0.50	<0.50	<0.50	<0.50	4.4										
			W-INT 2	<	50	<	0.50	<0.50	<0.50	<0.50	<0.50										
			W-PSP#1	<	50	<	0.50	<0.50	<0.50	<0.50	<0.50										
11/17/03	GRS down on arrival. Restarted. Running on departure.																				
11/17/03	964,770	0.8462																			
12/01/03	GRS running on arrival and departure.																				
12/01/03	992,510	1.3760	W-INF		410	<	250	<250	<250	<250	820	0.176	<	32.0	<	0.049	<	4.85		0.305	7.247
			W-INT 1	<	50	<	0.50	<0.50	<0.50	<0.50	4.2										
			W-INT 2	<	50	<	0.50	<0.50	<0.50	<0.50	<0.50										
			W-PSP#1	<	50	<	0.50	<0.50	<0.50	<0.50	<0.50										

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

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

W- INF	=	Water sample collected at the influent sample location.
W-INT	=	Water sample collected at the intermediate sample location.
W-EFF	=	Water sample collected at the effluent sample location.
W-PSP#1	=	Water sample collected at the effluent sample location (EBMUD process sampling point #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 reporting limit as indicated.
---	=	Not measured/Not sampled/Not analyzed/Not calculated.



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

ERI ENVIRONMENTAL RESOLUTIONS, INC.

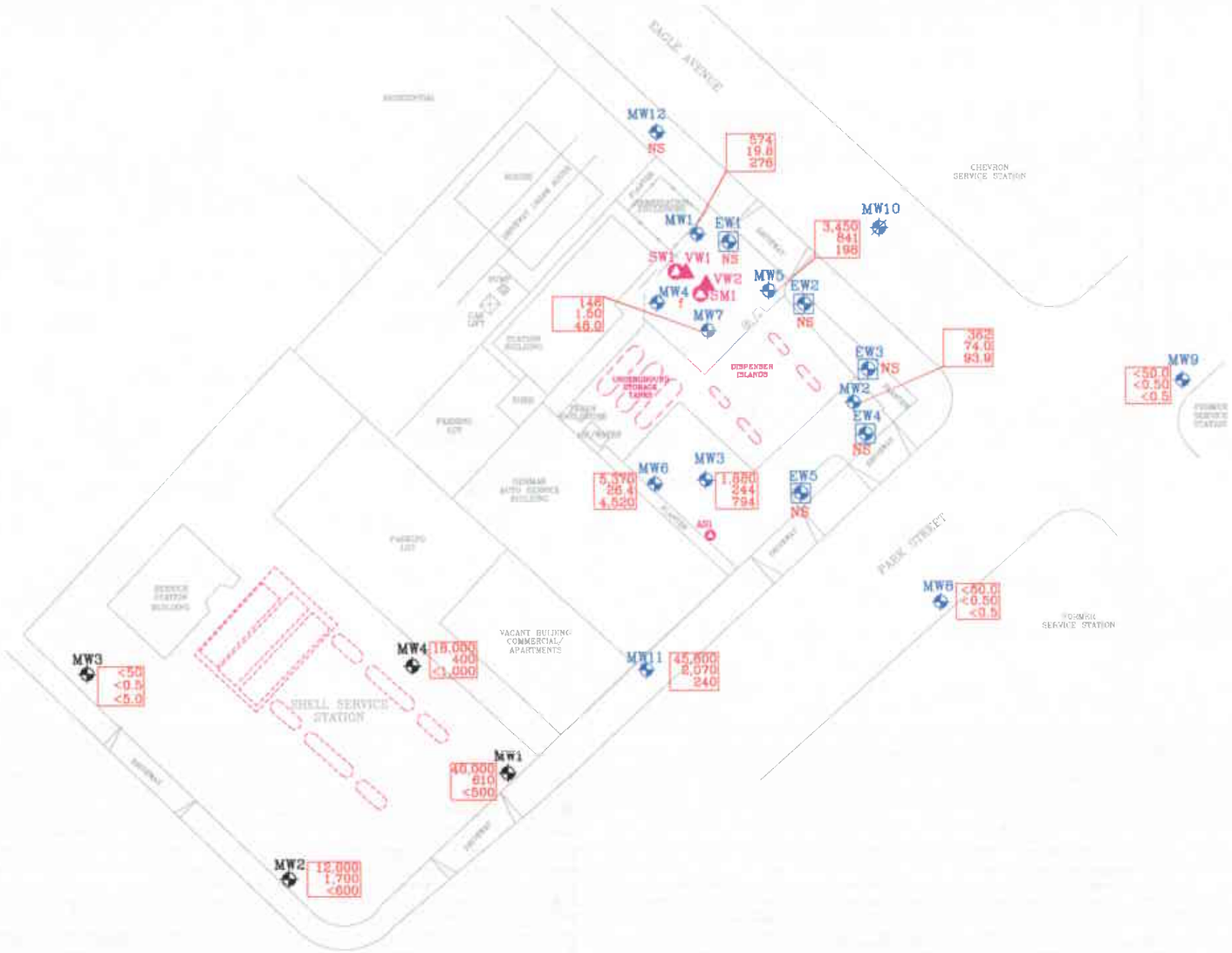
SITE VICINITY MAP

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

PROJECT NO.	PLATE
2506	1

Analyte Concentrations in ug/L
Sampled November 14, 2003

45,600 Total Petroleum Hydrocarbons as gasoline
2,070 Benzene
240 Methyl Tertiary Butyl Ether
< Less Than the Stated Laboratory Reporting Limit
ug/L Micrograms per Liter
NS Not Sampled
f Well inaccessible



APPROXIMATE SCALE
0 50 100 Feet

FN 25060002_QM

ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

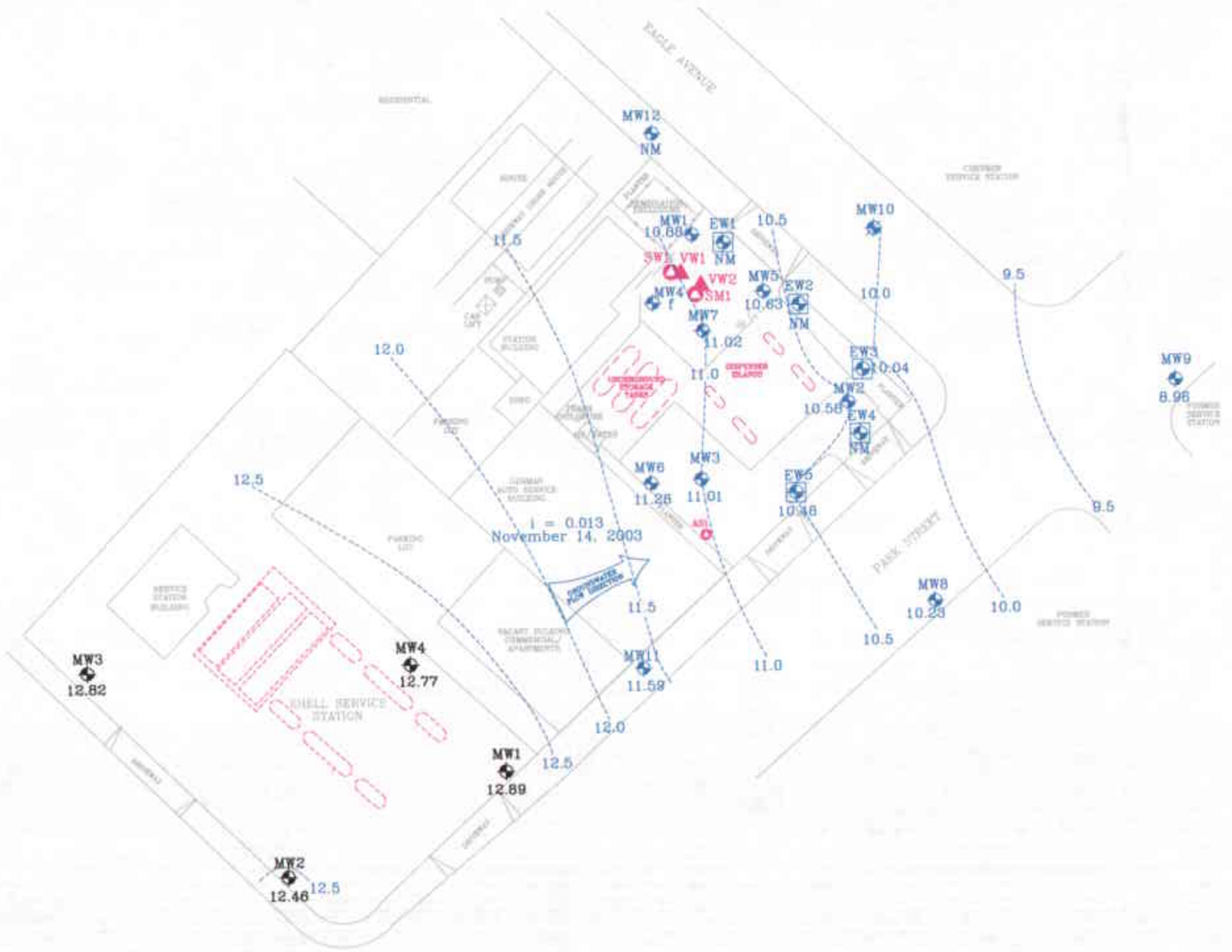
FORMER
EXXON SERVICE STATION 7-0104
1725 Park Street
Alameda, California

EXPLANATION

MW11 Groundwater Monitoring Well
EW4 Recovery Well
MW10 Destroyed Groundwater Monitoring Well
MW4 Groundwater Monitoring Well By Others
VW2 Vapor Extraction Well
AS1 Air Sparge/Soil Vapor Well

PROJECT NO. 2506

PLATE 2



APPROXIMATE SCALE

0 50 100 Feet

FN 25060002_QM

NM Not Measured

12.5----- Line of Equal Groundwater Elevation; datum is mean sea level

ENVIRONMENTAL RESOLUTIONS, INC.

GROUNDWATER ELEVATION MAP
November 14, 2003
FORMER
EXXON SERVICE STATION 7-0104
1725 Park Street
Alameda, California

EXPLANATION

- MW11 Groundwater Monitoring Well
- 11.59 Groundwater elevation in feet; datum is mean sea level
- EW4 Recovery Well
- MW10 Destroyed Groundwater Monitoring Well
- MW4 Groundwater Monitoring Well By Others
- VW2 Vapor Extraction Well
- AS1 Air Sparge/Soil Vapor Well

PROJECT NO. 2506

PLATE 3

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 state-certified laboratory.

ATTACHMENT B

SUMMARY OF GROUNDWATER SAMPLING
XTRA OIL COMPANY SERVICE STATION

TABLE 1 - SUMMARY OF GROUNDWATER SAMPLING
XTRA OIL COMPANY SERVICE STATION
1701 PARK STREET, ALAMEDA, CALIFORNIA

ALISTO PROJECT NO. 10-210

WELL ID	DATE OF MONITORING/ SAMPLING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-1	11/14/03	19.6	6.71		12.89	40000	3000	610	4900	1900	7600	ND<500		MCC
MW-2	11/14/03	20.31	7.85	—	12.46	12000	13000	1700	29	600	100	ND<600		MCC
MW-3	11/14/03	20.57	7.75	—	12.82	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		MCC
MW-4	11/14/03	19.69	6.92	—	12.77	18000	3300	400	320	1000	4500	ND<1000		MCC
QC-1 (c)	11/14/03	—	—	—	—	—	—	440	310	1100	4500	ND<1000	—	MCC

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline using EPA Methods 5030/8015
TPH-D	Total petroleum hydrocarbons as diesel using EPA Methods 3510/8015
B	Benzene using EPA Methods 5030/8020
T	Toluene using EPA Methods 5030/8020
E	Ethylbenzene using EPA Methods 5030/8020
X	Total xylenes using EPA Methods 5030/8020
MTBE	Methyl tert butyl ether using EPA Methods 5030/8020
SVOCs	Semivolatile organic compounds using EPA Method 8270
DO	Dissolved oxygen
ug/l	Micrograms per liter
ppm	Parts per million
—	Not analyzed/applicable/measurable
ND	Not detected above reported detection limit
MCC	McCampbell Analytical, Inc.
CHR	Chromalab, Inc.

NOTES:

(a) Top of casing surveyed relative to mean sea level.

(b) Groundwater elevations expressed in feet above mean sea level, and adjusted assuming a specific gravity of 0.75 for free product.

(c) Blind duplicate.

(d) Other SVOCs detected at concentrations of 200 ug/l 2-methylnapthalene and 14 ug/l phenanthrene.

(e) Travel blank.

ATTACHMENT C

LABORATORY ANALYSIS REPORTS AND CHAIN-OF-CUSTODY RECORDS

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

27 October, 2003

Rob Saur
Environmental Resolutions (Exxon)
73 Digital Drive, Suite 100
Novato, CA 94949

RE: Exxon 7-0104
Sequoia Report: MMJ0396

Enclosed are the results of analyses for samples received by the laboratory on 10/13/03 15:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
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FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	10/27/03 12:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PSP 1	MMJ0396-01	Water	10/08/03 10:30	10/13/03 15:00
W-INT2	MMJ0396-02	Water	10/08/03 10:40	10/13/03 15:00
W-INT1	MMJ0396-03	Water	10/08/03 10:50	10/13/03 15:00
W-INF	MMJ0396-04	Water	10/08/03 11:00	10/13/03 15:00

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Theresa Allen, Project Manager

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	10/27/03 12:20

Purgeable Hydrocarbons by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PSP 1 (MMJ0396-01) Water Sampled: 10/08/03 10:30 Received: 10/13/03 15:00									
Gasoline Range Organics	ND	50	ug/l	1	3J22001	10/22/03	10/22/03	EPA 8015B-VOA	
Surrogate: a,a,a-Trifluorotoluene		*97.2 %*		*55-142*	"	"	"	"	
W-INT2 (MMJ0396-02) Water Sampled: 10/08/03 10:40 Received: 10/13/03 15:00									
Gasoline Range Organics	ND	50	ug/l	1	3J22001	10/22/03	10/22/03	EPA 8015B-VOA	
Surrogate: a,a,a-Trifluorotoluene		*95.8 %*		*55-142*	"	"	"	"	
W-INT1 (MMJ0396-03) Water Sampled: 10/08/03 10:50 Received: 10/13/03 15:00									
Gasoline Range Organics	ND	50	ug/l	1	3J22001	10/22/03	10/22/03	EPA 8015B-VOA	
Surrogate: a,a,a-Trifluorotoluene		*98.5 %*		*55-142*	"	"	"	"	
W-INF (MMJ0396-04) Water Sampled: 10/08/03 11:00 Received: 10/13/03 15:00									
Gasoline Range Organics	**330**	250	ug/l	5	3J22001	10/22/03	10/22/03	EPA 8015B-VOA	HC-19
Surrogate: a,a,a-Trifluorotoluene		*104 %*		*55-142*	"	"	"	"	

Sequoia Analytical

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	10/27/03 12:20

MTBE by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PSP 1 (MMJ0396-01) Water Sampled: 10/08/03 10:30 Received: 10/13/03 15:00									
Methyl tert-butyl ether	ND	0.50	ug/l	1	3J22029	10/22/03	10/22/03	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*78-129*		"	"	"	"	
W-INT2 (MMJ0396-02) Water Sampled: 10/08/03 10:40 Received: 10/13/03 15:00									
Methyl tert-butyl ether	ND	0.50	ug/l	1	3J22029	10/22/03	10/22/03	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*78-129*		"	"	"	"	
W-INT1 (MMJ0396-03) Water Sampled: 10/08/03 10:50 Received: 10/13/03 15:00									
Methyl tert-butyl ether	1.5	0.50	ug/l	1	3J22029	10/22/03	10/22/03	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*78-129*		"	"	"	"	
W-INF (MMJ0396-04) Water Sampled: 10/08/03 11:00 Received: 10/13/03 15:00									
Methyl tert-butyl ether	540	10	ug/l	20	3J22029	10/22/03	10/22/03	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*78-129*		"	"	"	"	

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	10/27/03 12:20

BTEX by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PSP 1 (MMJ0396-01) Water Sampled: 10/08/03 10:30 Received: 10/13/03 15:00									
Benzene	ND	0.50	ug/l	1	3J22029	10/22/03	10/22/03	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*78-129*		"	"	"	"	
W-INT2 (MMJ0396-02) Water Sampled: 10/08/03 10:40 Received: 10/13/03 15:00									
Benzene	ND	0.50	ug/l	1	3J22029	10/22/03	10/22/03	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*78-129*		"	"	"	"	
W-INT1 (MMJ0396-03) Water Sampled: 10/08/03 10:50 Received: 10/13/03 15:00									
Benzene	ND	0.50	ug/l	1	3J22029	10/22/03	10/22/03	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*78-129*		"	"	"	"	
W-INF (MMJ0396-04) Water Sampled: 10/08/03 11:00 Received: 10/13/03 15:00									
Benzene	ND	10	ug/l	20	3J22029	10/22/03	10/22/03	EPA 8260B	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*78-129*		"	"	"	"	

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	10/27/03 12:20

Purgeable Hydrocarbons by EPA 8015B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3J22001 - EPA 5030B [P/T]										
Blank (3J22001-BLK1)				Prepared & Analyzed: 10/22/03						
Gasoline Range Organics	ND	25	ug/l							
Surrogate: a,a,a-Trifluorotoluene	*37.0*		"	*40.0*		*92.5*	*55-142*			
LCS (3J22001-BS2)				Prepared & Analyzed: 10/22/03						
Gasoline Range Organics	254	50	ug/l	250		102	62-134			
Surrogate: a,a,a-Trifluorotoluene	*39.7*		"	*40.0*		*99.2*	*55-142*			
Matrix Spike (3J22001-MS1)		**Source: MMJ0278-03**		Prepared & Analyzed: 10/22/03						
Gasoline Range Organics	425	50	ug/l	550	ND	77.3	62-134			
Surrogate: a,a,a-Trifluorotoluene	*40.0*		"	*40.0*		*100*	*55-142*			
Matrix Spike Dup (3J22001-MSD1)		**Source: MMJ0278-03**		Prepared & Analyzed: 10/22/03						
Gasoline Range Organics	486	50	ug/l	550	ND	88.4	62-134	13.4	41	
Surrogate: a,a,a-Trifluorotoluene	*41.1*		"	*40.0*		*103*	*55-142*			

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	10/27/03 12:20

MTBE by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3J22029 - EPA 5030B P/T										
Blank (3J22029-BLK1)				Prepared & Analyzed: 10/22/03						
Methyl tert-butyl ether	ND	0.25	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*5.57*		"	*5.00*		*111*	*78-129*			
LCS (3J22029-BS1)				Prepared & Analyzed: 10/22/03						
Methyl tert-butyl ether	19.8	0.50	ug/l	20.0		99.0	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.05*		"	*5.00*		*101*	*78-129*			
Matrix Spike (3J22029-MS1)			Source: MMJ0396-04	Prepared & Analyzed: 10/22/03						
Methyl tert-butyl ether	726	10	ug/l	200	540	93.0	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.42*		"	*5.00*		*108*	*78-129*			
Matrix Spike Dup (3J22029-MSD1)			Source: MMJ0396-04	Prepared & Analyzed: 10/22/03						
Methyl tert-butyl ether	716	10	ug/l	200	540	88.0	63-137	1.39	13	
Surrogate: 1,2-Dichloroethane-d4	*5.26*		"	*5.00*		*105*	*78-129*			

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73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	10/27/03 12:20

BTEX by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3J22029 - EPA 5030B P/T										
Blank (3J22029-BLK1)				Prepared & Analyzed: 10/22/03						
Benzene	ND	0.25	ug/l							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	"							
Surrogate: 1,2-Dichloroethane-d4	*5.57*		"	*5.00*		*111*	*78-129*			
LCS (3J22029-BS1)				Prepared & Analyzed: 10/22/03						
Benzene	21.5	0.50	ug/l	20.0		108	78-124			
Toluene	21.2	0.50	"	20.0		106	78-129			
Surrogate: 1,2-Dichloroethane-d4	*5.05*		"	*5.00*		*101*	*78-129*			
Matrix Spike (3J22029-MS1)		Source: MMJ0396-04		Prepared & Analyzed: 10/22/03						
Benzene	210	10	ug/l	200	1.6	104	78-124			
Toluene	217	10	"	200	1.6	108	78-129			
Surrogate: 1,2-Dichloroethane-d4	*5.42*		"	*5.00*		*108*	*78-129*			
Matrix Spike Dup (3J22029-MSD1)		Source: MMJ0396-04		Prepared & Analyzed: 10/22/03						
Benzene	217	10	ug/l	200	1.6	108	78-124	3.28	12	
Toluene	216	10	"	200	1.6	107	78-129	0.462	10	
Surrogate: 1,2-Dichloroethane-d4	*5.26*		"	*5.00*		*105*	*78-129*			

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	10/27/03 12:20

Notes and Definitions

HC-19	Discrete peak @ C6-C7.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

COC WSPA SAMPLES DAYS 2, 7

250611X

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

MORGAN HILL
LATONYA PELT, PROJECT MGR.
PHONE 408/776-9600 FAX 408/782-6308

ENVIRONMENTAL RESOLUTIONS, INC
ROB SAUR, PROJ. MGR. 415/382-3591
MATT HERMAN, ENGINEER 415/382-4360

CONSULTANT NAME ERI
ADDRESS 73 DIGITAL DRIVE, SUITE 100
CITY / STATE / ZIP NOVATO, CA 94949
CONTACT MATT HERMAN
PHONE 415/382-4360
FAX 415/382-1856
SAMPLER
SAMPLER SIGNATURE

PROJECT FORMER EXXON 7-0104, 1725 PARK ST, ALAMEDA
P.O.#
PROJECT MGR. ROB SAUR 1-415-382-3591
EXXONMOBIL TM GENE ORTEGA 1-925-246-8747
QC DATA LEVEL II (STANDARD)
DRINKING WATER
WASTE WATER
OTHER X

MMJ0396

3.

SAMPLE ID		DATE	TIME	# CONT	MATRIX	PRESERVATIVE			ANALYSES REQUESTED: TPHg, BTEX MtBE 8015/8020				24 Hour TAT	Normal 10 day TAT	
PSP 1	01	10/8	1030	4	water	HCL			X					X	
W-INT 2	02	10/8	1040	4	water	HCL			X					X	
W-INT 1	03	10/8	1050	4	water	HCL			X					X	
W-INF	04	10/8	1100	4	water	HCL			X					X	

10

RELINQUISHED BY: DATE 10/8/03 TIME 1500 RECEIVED BY: DATE 10-13-03 TIME 1400

RELINQUISHED BY: DATE 10-13-03 TIME 1500 RECEIVED BY: DATE 10-13 TIME 1500

TEMP _____ SAMPLE CONTAINERS INTACT? Y N VOA'S FREE OF HEADSPACE? Y N

10/13/03 18:40

Austin Jensen 10-13-03 1840

\02294\COC'S

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERI
REC. BY (PRINT) AS
WORKORDER: MMJ0394

DATE REC'D AT LAB: 10-13-03
TIME REC'D AT LAB: 1840
DATE LOGGED IN: 10-14-03

Drinking water for regulatory purposes: YES / (NO)
Wastewater for regulatory purposes: YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*			PSP1	(4) VOCs	HCl	L	10-8-03	
2. Chain-of-Custody (Present) / Absent*			W-INT2	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present / (Absent)			W-INT1					
4. Airbill: Airbill / Sticker Present / (Absent)			W-IN1=					
5. Airbill #:								
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. Does information on custody reports, traffic reports and sample labels agree? (Yes) No*								
10. Sample received within hold time: (Yes) No*								
11. Proper Preservatives used: (Yes) No*								
12. Temp Rec. at Lab: 4.6 °C Is temp 4 +/-2°C? (Yes) No**								

(Acceptance range for samples requiring thermal pres.)
**Exception (if any): Metals / DFF (Direct From Field) or Problem COC

AS 10-13-03

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Sequoia
Analytical

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November 18 , 2003

Mathew Herman
Environmental Resolutions (Exxon)
73 Digital Drive, Suite 100
Novato, CA 94949

RE: Exxon 7-0104
Work Order: MMK0153

Enclosed are the results of analyses for samples received by the laboratory on 11/04/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen

Theresa Allen
Project Manager

CA ELAP Certificate Number 1210

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Mathew Herman	11/18/03 16:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PSP 1	MMK0153-01	Water	11/03/03 15:30	11/04/03 18:57
W-INT 2	MMK0153-02	Water	11/03/03 15:40	11/04/03 18:57
W-INT 1	MMK0153-03	Water	11/03/03 15:50	11/04/03 18:57
W-INF	MMK0153-04	Water	11/03/03 16:00	11/04/03 18:57

The samples were received at 2.2°C.

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Mathew Herman	11/18/03 16:52

Purgeable Hydrocarbons by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PSP 1 (MMK0153-01) Water Sampled: 11/03/03 15:30 Received: 11/04/03 18:57									
Gasoline Range Organics	ND	50	ug/l	1	3K11004	11/11/03	11/11/03	EPA 8015B-VOA	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*55-142*		"	"	"	"	
W-INT 2 (MMK0153-02) Water Sampled: 11/03/03 15:40 Received: 11/04/03 18:57									
Gasoline Range Organics	ND	50	ug/l	1	3K11004	11/11/03	11/11/03	EPA 8015B-VOA	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*55-142*		"	"	"	"	
W-INT 1 (MMK0153-03) Water Sampled: 11/03/03 15:50 Received: 11/04/03 18:57									
Gasoline Range Organics	ND	50	ug/l	1	3K11004	11/11/03	11/12/03	EPA 8015B-VOA	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*55-142*		"	"	"	"	
W-INF (MMK0153-04) Water Sampled: 11/03/03 16:00 Received: 11/04/03 18:57									
Gasoline Range Organics	**530**	250	ug/l	5	3K11004	11/11/03	11/12/03	EPA 8015B-VOA	HC-19
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*55-142*		"	"	"	"	

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	Reported:
Novato CA, 94949	Project Manager: Mathew Herman	11/18/03 16:52

MTBE by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PSP 1 (MMK0153-01) Water Sampled: 11/03/03 15:30 Received: 11/04/03 18:57									
Methyl tert-butyl ether	ND	0.50	ug/l	1	3K14019	11/14/03	11/14/03	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*78-129*		"	"	"	"	
W-INT 2 (MMK0153-02) Water Sampled: 11/03/03 15:40 Received: 11/04/03 18:57									
Methyl tert-butyl ether	ND	0.50	ug/l	1	3K14019	11/14/03	11/14/03	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*78-129*		"	"	"	"	
W-INT 1 (MMK0153-03) Water Sampled: 11/03/03 15:50 Received: 11/04/03 18:57									
Methyl tert-butyl ether	**4.4**	0.50	ug/l	1	3K14019	11/14/03	11/15/03	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*78-129*		"	"	"	"	
W-INF (MMK0153-04) Water Sampled: 11/03/03 16:00 Received: 11/04/03 18:57									
Methyl tert-butyl ether	**810**	10	ug/l	20	3K14019	11/14/03	11/15/03	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*78-129*		"	"	"	"	

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	Reported:
Novato CA, 94949	Project Manager: Mathew Herman	11/18/03 16:52

BTEX by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PSP 1 (MMK0153-01) Water Sampled: 11/03/03 15:30 Received: 11/04/03 18:57									
Benzene	ND	0.50	ug/l	1	3K14019	11/14/03	11/14/03	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*78-129*		"	"	"	"	
W-INT 2 (MMK0153-02) Water Sampled: 11/03/03 15:40 Received: 11/04/03 18:57									
Benzene	ND	0.50	ug/l	1	3K14019	11/14/03	11/14/03	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*78-129*		"	"	"	"	
W-INT 1 (MMK0153-03) Water Sampled: 11/03/03 15:50 Received: 11/04/03 18:57									
Benzene	ND	0.50	ug/l	1	3K14019	11/14/03	11/15/03	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*78-129*		"	"	"	"	
W-INF (MMK0153-04) Water Sampled: 11/03/03 16:00 Received: 11/04/03 18:57									
Benzene	ND	10	ug/l	20	3K14019	11/14/03	11/15/03	EPA 8260B	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*78-129*		"	"	"	"	

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	Reported:
Novato CA, 94949	Project Manager: Mathew Herman	11/18/03 16:52

Purgeable Hydrocarbons by EPA 8015B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3K11004 - EPA 5030B [P/T]										
Blank (3K11004-BLK1)				Prepared & Analyzed: 11/11/03						
Gasoline Range Organics	ND	25	ug/l							
Surrogate: a,a,a-Trifluorotoluene	*41.0*		"	*40.0*		*102*	*55-142*			
LCS (3K11004-BS2)				Prepared & Analyzed: 11/11/03						
Gasoline Range Organics	205	50	ug/l	250		82.0	62-134			
Surrogate: a,a,a-Trifluorotoluene	*44.3*		"	*40.0*		*111*	*55-142*			
Matrix Spike (3K11004-MS1)		Source: MMK0113-03		Prepared & Analyzed: 11/11/03						
Gasoline Range Organics	568	50	ug/l	550	ND	103	62-134			
Surrogate: a,a,a-Trifluorotoluene	*48.5*		"	*40.0*		*121*	*55-142*			
Matrix Spike Dup (3K11004-MSD1)		Source: MMK0113-03		Prepared & Analyzed: 11/11/03						
Gasoline Range Organics	604	50	ug/l	550	ND	110	62-134	6.14	41	
Surrogate: a,a,a-Trifluorotoluene	*49.3*		"	*40.0*		*123*	*55-142*			

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Mathew Herman	11/18/03 16:52

MTBE by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3K14019 - EPA 5030B P/T										
Blank (3K14019-BLK1)				Prepared & Analyzed: 11/14/03						
Methyl tert-butyl ether	ND	0.25	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*5.11*		"	*5.00*		*102*	*78-129*			
LCS (3K14019-BS1)				Prepared & Analyzed: 11/14/03						
Methyl tert-butyl ether	11.3	0.50	ug/l	10.0		113	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.28*		"	*5.00*		*106*	*78-129*			
Matrix Spike (3K14019-MS1)	**Source:**			Prepared: 11/14/03 Analyzed: 11/15/03						
Methyl tert-butyl ether	6330	5.0	ug/l	100	7000	-670	63-137			E, QM-4X
Surrogate: 1,2-Dichloroethane-d4	*5.04*		"	*5.00*		*101*	*78-129*			
Matrix Spike Dup (3K14019-MSD1)	**Source:**			Prepared: 11/14/03 Analyzed: 11/15/03						
Methyl tert-butyl ether	6010	5.0	ug/l	100	7000	-990	63-137	5.19	13	E, QM-4X
Surrogate: 1,2-Dichloroethane-d4	*4.93*		"	*5.00*		*98.6*	*78-129*			

Sequoia Analytical

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Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	Reported:
Novato CA, 94949	Project Manager: Mathew Herman	11/18/03 16:52

BTEX by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3K14019 - EPA 5030B P/T										
Blank (3K14019-BLK1)				Prepared & Analyzed: 11/14/03						
Benzene	ND	0.25	ug/l							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	"							
Surrogate: 1,2-Dichloroethane-d4	*5.11*		"	*5.00*		*102*	*78-129*			
LCS (3K14019-BS1)				Prepared & Analyzed: 11/14/03						
Benzene	10.6	0.50	ug/l	10.0		106	78-124			
Toluene	9.42	0.50	"	10.0		94.2	78-129			
Surrogate: 1,2-Dichloroethane-d4	*5.28*		"	*5.00*		*106*	*78-129*			
Matrix Spike (3K14019-MS1)	**Source:**			Prepared: 11/14/03 Analyzed: 11/15/03						
Benzene	108	5.0	ug/l	100	ND	108	78-124			
Toluene	93.0	5.0	"	100	ND	93.0	78-129			
Surrogate: 1,2-Dichloroethane-d4	*5.04*		"	*5.00*		*101*	*78-129*			
Matrix Spike Dup (3K14019-MSD1)	**Source:**			Prepared: 11/14/03 Analyzed: 11/15/03						
Benzene	100	5.0	ug/l	100	ND	100	78-124	7.69	12	
Toluene	86.7	5.0	"	100	ND	86.7	78-129	7.01	10	
Surrogate: 1,2-Dichloroethane-d4	*4.93*		"	*5.00*		*98.6*	*78-129*			

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73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Mathew Herman	11/18/03 16:52

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
HC-19	Discrete peak @ C6-C7.
QM-4X	The spike recovery was outside of control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

COC WSPA SAMPLES DAYS 2, 7

SEQUOIA ANALYTICAL CHAIN OF CUSTODY

MORGAN HILL
LATONYA PELT, PROJECT MGR.
PHONE 408/776-9600 FAX 408/782-6308

ENVIRONMENTAL RESOLUTIONS, INC
ROB SAUR, PROJ. MGR. 415/382-3591
MATT HERMAN, ENGINEER 415/382-4360

MHK0153

CONSULTANT NAME	ERI	PROJECT	FORMER EXXON 7-0104, 1725 PARK ST, ALAMEDA
ADDRESS	73 DIGITAL DRIVE, SUITE 100	P.O.#	
CITY / STATE / ZIP	NOVATO, CA 94949	PROJECT MGR.	ROB SAUR 1-415-382-3591
CONTACT	MATT HERMAN	EXXONMOBIL TM	GENE ORTEGA 1-925-246-8747
PHONE	415/382-4360	QC DATA	LEVEL II (STANDARD)
FAX	415/382-1856	DRINKING WATER	
SAMPLER	A. S. Gates	WASTE WATER	
SAMPLER SIGNATURE	[signature]	OTHER	X

ANALYSES REQUESTED

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE			TPHg, BTEX MtBE 8015/8020				24 Hour TAT	Normal 10 day TAT	
PSP 1 01	11/3	1530	4	water	HCL			X					X	
W-INT 2 02	11/3	1540	4	water	HCL			X					X	
W-INT 1 03	11/3	1550	4	water	HCL			X					X	
W-INF	11/3	1600	4	water	HCL			X					X	

RELINQUISHED BY: [signature] DATE 4NOV03 TIME 0730 RECEIVED BY: [signature] DATE 11-4-03 TIME 1145

RELINQUISHED BY: [signature] DATE 11-4 TIME 1305 RECEIVED BY: [signature] DATE 11/4 TIME 15:10

TEMP ______ SAMPLE CONTAINERS INTACT? Y N VOA'S FREE OF HEADSPACE? Y N

[signature] 11/4 18:57 [signature] 11-4-03 1857

FN OM\2294\COC'S

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERI
REC. BY (PRINT) AJ
WORKORDER: MMK0153

DATE REC'D AT LAB: 11-4-03
TIME REC'D AT LAB: 1857
DATE LOGGED IN: 11-5-03

Drinking water for regulatory purposes: YES / (NO)
Wastewater for regulatory purposes: YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*			BSP1	(4) VOAs	HCl	W	11-3-03	
2. Chain-of-Custody (Present) / Absent*			W-INT2	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present (Absent)			W-INT1					
4. Airbill: Airbill / Sticker Present (Absent)			W-INF					
5. Airbill #:								
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. Does information on custody reports, traffic reports and sample labels agree? (Yes) / No*								
10. Sample received within hold time: (Yes) / No*								
11. Proper Preservatives used: (Yes) / No*								
12. Temp Rec. at Lab: 22 °C Is temp 4 +/-2°C? (Yes) / No**								

(Acceptance range for samples requiring thermal pres.)
**Exception (if any): Metals / DFF (Direct From Field) or Problem COC

11-4-03 AJ

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Sequoia Analytical 885 Jarvis Drive Morgan Hill, CA 95037

FAX

Date: 12/22/03

Number of pages including cover sheet: 13

To:

Rob Sam

Company/Association:

ERE

Fax phone:

(415) 382-1856

From: Theresa Allen

TAllen@Sequoialabs.com

Project manager

Phone: 408-782-8159

Fax phone: 408-782-6308

REMARKS: ☐ Urgent ☒ For your review ☐ Reply ASAP ☐ Please comment

Exxon# 7-0104 MRL0079

Sequoia Analytical

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December 22 , 2003

Rob Saur
Environmental Resolutions (Exxon)
73 Digital Drive, Suite 100
Novato, CA 94949

RE: Exxon 7-0104
Work Order: MML0079

Enclosed are the results of analyses for samples received by the laboratory on 12/02/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen

Theresa Allen
Project Manager

CA ELAP Certificate Number 1210

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Environmental Resolutions (Exxon) 73 Digital Drive, Suite 100 Novato CA, 94949	Project: Exxon 7-0104 Project Number: 7-0104 Project Manager: Rob Saur	Reported: 12/22/03 14:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PSP1	MML0079-01	Water	12/01/03 15:00	12/02/03 18:45
W-INT2	MML0079-02	Water	12/01/03 15:10	12/02/03 18:45
W-INT1	MML0079-03	Water	12/01/03 15:20	12/02/03 18:45
W-INF	MML0079-04	Water	12/01/03 15:30	12/02/03 18:45

The samples were received at 3°C.

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	Reported:
Novato CA, 94949	Project Manager: Rob Saur	12/22/03 14:13

Purgeable Hydrocarbons by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PSP1 (MML0079-01) Water Sampled: 12/01/03 15:00 Received: 12/02/03 18:45									
Gasoline Range Organics	ND	50	ug/l	1	3L11004	12/11/03	12/11/03	EPA 8015B-VOA	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*55-142*		"	"	"	"	
W-INT2 (MML0079-02) Water Sampled: 12/01/03 15:10 Received: 12/02/03 18:45									
Gasoline Range Organics	ND	50	ug/l	1	3L11004	12/11/03	12/11/03	EPA 8015B-VOA	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*55-142*		"	"	"	"	
W-INT1 (MML0079-03) Water Sampled: 12/01/03 15:20 Received: 12/02/03 18:45									
Gasoline Range Organics	ND	50	ug/l	1	3L11004	12/11/03	12/12/03	EPA 8015B-VOA	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*55-142*		"	"	"	"	
W-INF (MML0079-04) Water Sampled: 12/01/03 15:30 Received: 12/02/03 18:45									
Gasoline Range Organics	410	200	ug/l	4	3L12006	12/12/03	12/12/03	EPA 8015B-VOA	HC-19
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*55-142*		"	"	"	"	

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Environmental Resolutions (Exxon)
73 Digital Drive, Suite 100
Novato CA, 94949

Project: Exxon 7-0104
Project Number: 7-0104
Project Manager: Rob Saur

Reported:
12/22/03 14:13

MTBE by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PSP1 (MML0079-01) Water Sampled: 12/01/03 15:00 Received: 12/02/03 18:45									
Methyl tert-butyl ether	ND	0.50	ug/l	1	3L12030	12/12/03	12/13/03	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*78-129*		"	"	"	"	
W-INT2 (MML0079-02) Water Sampled: 12/01/03 15:10 Received: 12/02/03 18:45									
Methyl tert-butyl ether	ND	0.50	ug/l	1	3L12030	12/12/03	12/13/03	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*78-129*		"	"	"	"	
W-INT1 (MML0079-03) Water Sampled: 12/01/03 15:20 Received: 12/02/03 18:45									
Methyl tert-butyl ether	4.2	0.50	ug/l	1	3L12030	12/12/03	12/13/03	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*78-129*		"	"	"	"	
W-INF (MML0079-04) Water Sampled: 12/01/03 15:30 Received: 12/02/03 18:45									
Methyl tert-butyl ether	820	250	ug/l	500	3L12030	12/12/03	12/13/03	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*78-129*		"	"	"	"	

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Environmental Resolutions (Exxon) 73 Digital Drive, Suite 100 Novato CA, 94949	Project: Exxon 7-0104 Project Number: 7-0104 Project Manager: Rob Saur	Reported: 12/22/03 14:13

BTEX by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PSP1 (MML0079-01) Water Sampled: 12/01/03 15:00 Received: 12/02/03 18:45									
Benzene	ND	0.50	ug/l	1	3L12030	12/12/03	12/13/03	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*78-129*		"	"	"	"	
W-INT2 (MML0079-02) Water Sampled: 12/01/03 15:10 Received: 12/02/03 18:45									
Benzene	ND	0.50	ug/l	1	3L12030	12/12/03	12/13/03	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*78-129*		"	"	"	"	
W-INT1 (MML0079-03) Water Sampled: 12/01/03 15:20 Received: 12/02/03 18:45									
Benzene	ND	0.50	ug/l	1	3L12030	12/12/03	12/13/03	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*78-129*		"	"	"	"	
W-INF (MML0079-04) Water Sampled: 12/01/03 15:30 Received: 12/02/03 18:45									
Benzene	ND	250	ug/l	500	3L12030	12/12/03	12/13/03	EPA 8260B	
Toluene	ND	250	"	"	"	"	"	"	
Ethylbenzene	ND	250	"	"	"	"	"	"	
Xylenes (total)	ND	250	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*78-129*		"	"	"	"	

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Environmental Resolutions (Exxon)
73 Digital Drive, Suite 100
Novato CA, 94949

Project: Exxon 7-0104
Project Number: 7-0104
Project Manager: Rob Saur

Reported:
12/22/03 14:13

Purgeable Hydrocarbons by EPA 8015B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3L11004 - EPA 5030B [P/T]										
Blank (3L11004-BLK1)				Prepared & Analyzed: 12/11/03						
Gasoline Range Organics	ND	25	ug/l							
Surrogate: a,a,a-Trifluorotoluene	*38.2*		"	*40.0*		*95.5*	*55-142*			
LCS (3L11004-BS2)				Prepared & Analyzed: 12/11/03						
Gasoline Range Organics	231	50	ug/l	250		92.4	62-134			
Surrogate: a,a,a-Trifluorotoluene	*42.4*		"	*40.0*		*106*	*55-142*			
Matrix Spike (3L11004-MS1)	Source: MML0325-01			Prepared & Analyzed: 12/11/03						
Gasoline Range Organics	14000	1000	ug/l	11000	1200	116	62-134			
Surrogate: a,a,a-Trifluorotoluene	*43.5*		"	*40.0*		*109*	*55-142*			
Matrix Spike Dup (3L11004-MSD1)	Source: MML0325-01			Prepared & Analyzed: 12/11/03						
Gasoline Range Organics	13800	1000	ug/l	11000	1200	115	62-134	1.44	41	
Surrogate: a,a,a-Trifluorotoluene	*44.1*		"	*40.0*		*110*	*55-142*			
Batch 3L12006 - EPA 5030B [P/T]										
Blank (3L12006-BLK1)				Prepared & Analyzed: 12/12/03						
Gasoline Range Organics	ND	25	ug/l							
Surrogate: a,a,a-Trifluorotoluene	*41.1*		"	*40.0*		*103*	*55-142*			
LCS (3L12006-BS1)				Prepared & Analyzed: 12/12/03						
Gasoline Range Organics	242	50	ug/l	250		96.8	62-134			
Surrogate: a,a,a-Trifluorotoluene	*46.1*		"	*40.0*		*115*	*55-142*			
Matrix Spike (3L12006-MS1)	Source: MML0113-04			Prepared & Analyzed: 12/12/03						
Gasoline Range Organics	551	50	ug/l	550	ND	100	62-134			
Surrogate: a,a,a-Trifluorotoluene	*46.6*		"	*40.0*		*116*	*55-142*			

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	Reported:
Novato CA, 94949	Project Manager: Rob Saur	12/22/03 14:13

Purgeable Hydrocarbons by EPA 8015B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3L12006 - EPA 5030B [P/T]										
Matrix Spike Dup (3L12006-MSD1)	**Source: MML0113-04**		Prepared & Analyzed: 12/12/03							
Gasoline Range Organics	528	50	ug/l	550	ND	96.0	62-134	4.26	41	
Surrogate: a,a,a-Trifluorotoluene	*44.2*		"	*40.0*		*110*	*55-142*			

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Novato CA, 94949

Project: Exxon 7-0104
Project Number: 7-0104
Project Manager: Rob Saur

Reported:
12/22/03 14:13

MTBE by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3L12030 - EPA 5030B P/T										
Blank (3L12030-BLK1)				Prepared & Analyzed: 12/12/03						
Methyl tert-butyl ether	ND	0.25	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*4.95*		"	*5.00*		*99.0*	*78-129*			
LCS (3L12030-BS1)				Prepared & Analyzed: 12/12/03						
Methyl tert-butyl ether	10.6	0.50	ug/l	10.0		106	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.19*		"	*5.00*		*104*	*78-129*			
Matrix Spike (3L12030-MS1)		**Source: MML0067-01**		Prepared: 12/12/03 Analyzed: 12/13/03						
Methyl tert-butyl ether	964	25	ug/l	500	380	117	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.38*		"	*5.00*		*108*	*78-129*			
Matrix Spike Dup (3L12030-MSD1)		**Source: MML0067-01**		Prepared: 12/12/03 Analyzed: 12/13/03						
Methyl tert-butyl ether	968	25	ug/l	500	380	118	63-137	0.414	13	
Surrogate: 1,2-Dichloroethane-d4	*5.54*		"	*5.00*		*111*	*78-129*			

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Environmental Resolutions (Exxon)
73 Digital Drive, Suite 100
Novato CA, 94949

Project: Exxon 7-0104
Project Number: 7-0104
Project Manager: Rob Saur

Reported:
12/22/03 14:13

BTEX by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3L12030 - EPA 5030B P/T										
Blank (3L12030-BLK1)				Prepared & Analyzed: 12/12/03						
Benzene	ND	0.25	ug/l							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	"							
Surrogate: 1,2-Dichloroethane-d4	*4.95*		"	*5.00*		*99.0*	*78-129*			
LCS (3L12030-BS1)				Prepared & Analyzed: 12/12/03						
Benzene	9.78	0.50	ug/l	10.0		97.8	78-124			
Toluene	10.0	0.50	"	10.0		100	78-129			
Surrogate: 1,2-Dichloroethane-d4	*5.19*		"	*5.00*		*104*	*78-129*			
Matrix Spike (3L12030-MS1)	Source: MML0067-01			Prepared: 12/12/03 Analyzed: 12/13/03						
Benzene	496	25	ug/l	500	4.0	98.4	78-124			
Toluene	500	25	"	500	4.0	99.2	78-129			
Surrogate: 1,2-Dichloroethane-d4	*5.38*		"	*5.00*		*108*	*78-129*			
Matrix Spike Dup (3L12030-MSD1)	Source: MML0067-01			Prepared: 12/12/03 Analyzed: 12/13/03						
Benzene	480	25	ug/l	500	4.0	95.2	78-124	3.28	12	
Toluene	470	25	"	500	4.0	93.2	78-129	6.19	10	
Surrogate: 1,2-Dichloroethane-d4	*5.54*		"	*5.00*		*111*	*78-129*			

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Environmental Resolutions (Exxon) 73 Digital Drive, Suite 100 Novato CA, 94949	Project: Exxon 7-0104 Project Number: 7-0104 Project Manager: Rob Saur	Reported: 12/22/03 14:13

Notes and Definitions

HC-19	Discrete peak @ C6-C7.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

COC WSPA SAMPLES DAYS 2, 7

P.12

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

MORGAN HILL
LATONYA PELT, PROJECT MGR.
PHONE 408/776-9600 FAX 408/782-6308

MNL0079

ENVIRONMENTAL RESOLUTIONS, INC
ROB SAUR, PROJ. MGR. 415/382-3591
MATT HERMAN, ENGINEER 415/382-4360

CONSULTANT NAME ERI
ADDRESS 73 DIGITAL DRIVE, SUITE 100
CITY / STATE / ZIP NOVATO, CA 94949
CONTACT MATT HERMAN
PHONE 415/382-4360
FAX 415/382-1856
SAMPLER
SAMPLER SIGNATURE

PROJECT FORMER EXXON 7-0104, 1725 PARK ST, ALAMEDA
P.O.#
PROJECT MGR. ROB SAUR 1-415-382-3591
EXXONMOBIL TM GENE ORTEGA 1-925-246-8747
QC DATA LEVEL II (STANDARD)
DRINKING WATER
WASTE WATER
OTHER X

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE			ANALYSES REQUESTED: TPHg, BTEX MBE 8015/8020				24 Hour TAT	Normal 10 day TAT	
PSP 1	12-1	1500	4	water	HCL			X					X	
W-INT 2	12-1	1510	4	water	HCL			X					X	
W-INT 1	12-1	1520	4	water	HCL			X					X	
W-INF	12-1	1530	4	water	HCL			X					X	

RELINQUISHED BY: DATE 12-1-03 TIME 1900 RECEIVED BY: DATE 12-2-03 TIME 1100
RELINQUISHED BY: DATE 12-2-03 TIME 1330 RECEIVED BY: DATE 12-2 TIME 13:55
TEMP 30 SAMPLE CONTAINERS INTACT? (Y) N 12-2 18:45 VOA'S FREE OF HEADSPACE? (Y) N 12-2-03 1845

\6Z294\COC'S

DEC 03 03:40PM SEQUOIA ANALYTICAL

SEQUOIA ANALYTICAL

CLIENT NAME: ERI
REC. BY (PRINT): AS
WORKORDER: MNL0079

DATE REC'D AT LAB: 12-2-03
TIME REC'D AT LAB: 1845
DATE LOGGED IN: 12-3-03

DRINKING WATER for regulatory purposes: YES / (NO)
WASTE WATER for regulatory purposes: YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
			PSP1	4-voas	HCl	L	12-1-03	
1. Custody Seal(s) Present / (Absent) Intact / Broken*			W-INT 2	↓	↓	↓	↓	
2. Chain-of-Custody (Present) / Absent*			W-INT 1					
3. Traffic Reports or Packing List: Present / (Absent)			W-INT					
4. Airbill: Airbill / Sticker Present / (Absent)								
5. Airbill #:								
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*								
10. Sample received within hold time: (Yes) / No*								
11. Adequate sample volume received? (Yes) / No*								
12. Proper Preservatives used: (Yes) / No*								
13. Temp Rec. at Lab: 3.0 °C. Is temp 4 +/-2°C? (Yes) / No**								

(Acceptance range for samples requiring thermal pres.)
**Exception (if any): METALS / DFF ON ICE or Problem COC

12-2-03 AS

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Page 1 of 1

SRL rv 4.xls
Revision 4 (11/10/03)
Replaces Revision 3 (03/18/03)
Effective 11/10/03

DEC 23 '03 09:40AM SEQUOIA ANALYTICAL P.13

Sequoia
Analytical

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23 October, 2003

Rob Saur
Environmental Resolutions (Exxon)
73 Digital Drive, Suite 100
Novato, CA 94949

RE: Exxon 7-0104
Sequoia Report: MMJ0317

Enclosed are the results of analyses for samples received by the laboratory on 10/13/03 12:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen

Theresa Allen
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	10/23/03 14:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A-EFF	MMJ0317-01	Air	10/08/03 11:10	10/13/03 12:00
A-INT	MMJ0317-02	Air	10/08/03 11:15	10/13/03 12:00
A-INF	MMJ0317-03	Air	10/08/03 11:20	10/13/03 12:00

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Theresa Allen

Theresa Allen, Project Manager

Sequoia Analytical

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	10/23/03 14:34

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-EFF (MMJ0317-01) Air Sampled: 10/08/03 11:10 Received: 10/13/03 12:00									**HT-09**
Gasoline Range Organics	ND	10	mg/m³ Air	1	3J16002	10/16/03	10/16/03	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*56-134*		"	"	"	"	
Gasoline Range Organics	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*56-134*		"	"	"	"	
A-INT (MMJ0317-02) Air Sampled: 10/08/03 11:15 Received: 10/13/03 12:00									**HT-09**
Gasoline Range Organics	ND	10	mg/m³ Air	1	3J16002	10/16/03	10/16/03	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*56-134*		"	"	"	"	
Gasoline Range Organics	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*56-134*		"	"	"	"	

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	10/23/03 14:34

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-INF (MMJ0317-03) Air Sampled: 10/08/03 11:20 Received: 10/13/03 12:00									**HT-09**
Gasoline Range Organics	33	10	mg/m³ Air	1	3J16002	10/16/03	10/16/03	EPA 8015B/8021B	
Benzene	**0.52**	0.10	"	"	"	"	"	"	
Toluene	**0.76**	0.10	"	"	"	"	"	"	
Ethylbenzene	**0.15**	0.10	"	"	"	"	"	"	
Xylenes (total)	**0.81**	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	**2.3**	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*56-134*		"	"	"	"	
Gasoline Range Organics	**9.4**	2.4	ppmv	"	"	"	"	"	
Benzene	**0.16**	0.031	"	"	"	"	"	"	
Toluene	**0.20**	0.027	"	"	"	"	"	"	
Ethylbenzene	**0.036**	0.023	"	"	"	"	"	"	
Xylenes (total)	**0.19**	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.64**	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*56-134*		"	"	"	"	

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	10/23/03 14:34

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3J16002 - EPA 5030B [P/T]										
Blank (3J16002-BLK1)			Prepared & Analyzed: 10/16/03							
Gasoline Range Organics	ND	1.2	ppmv							A-02
Gasoline Range Organics	9.03	5	mg/m³ Air							A-02
Benzene	ND	0.05	"							
Benzene	ND	0.0155	ppmv							
Toluene	ND	0.0135	"							
Toluene	ND	0.05	mg/m³ Air							
Ethylbenzene	ND	0.0115	ppmv							
Ethylbenzene	ND	0.05	mg/m³ Air							
Xylenes (total)	ND	0.1	"							
Xylenes (total)	ND	0.0235	ppmv							
Methyl tert-butyl ether	ND	0.25	mg/m³ Air							
Methyl tert-butyl ether	ND	0.07	ppmv							
Surrogate: a,a,a-Trifluorotoluene	*1.33*		"	*1.34*		*99.3*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*7.97*		*mg/m³ Air*	*8.00*		*99.6*	*56-134*			
LCS (3J16002-BS1)			Prepared & Analyzed: 10/16/03							
Benzene	0.626	0.031	ppmv	0.627		99.8	62-125			
Benzene	2.00	0.10	mg/m³ Air	2.00		100	62-125			
Toluene	0.524	0.027	ppmv	0.532		98.5	68-121			
Toluene	1.97	0.10	mg/m³ Air	2.00		98.5	68-121			
Ethylbenzene	1.97	0.10	"	2.00		98.5	75-125			
Ethylbenzene	0.454	0.023	ppmv	0.462		98.3	75-125			
Xylenes (total)	1.38	0.047	"	1.38		100	76-121			
Xylenes (total)	6.00	0.20	mg/m³ Air	6.00		100	76-121			
Surrogate: a,a,a-Trifluorotoluene	*8.44*		"	*8.00*		*106*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*1.41*		*ppmv*	*1.34*		*105*	*56-134*			
LCS (3J16002-BS2)			Prepared & Analyzed: 10/16/03							
Gasoline Range Organics	39.4	10	mg/m³ Air	50.0		78.8	65-142			
Gasoline Range Organics	11.2	2.4	ppmv	14.2		78.9	65-142			

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	10/23/03 14:34

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3J16002 - EPA 5030B [P/T]										
LCS (3J16002-BS2)				Prepared & Analyzed: 10/16/03						
Surrogate: a,a,a-Trifluorotoluene	*8.66*		*mg/m³ Air*	*8.00*		*108*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*1.45*		*ppmv*	*1.34*		*108*	*56-134*			
LCS Dup (3J16002-BSD1)				Prepared & Analyzed: 10/16/03						
Benzene	2.01	0.10	mg/m³ Air	2.00		100	62-125	0.499	31	
Benzene	0.629	0.031	ppmv	0.627		100	62-125	0.478	31	
Toluene	1.99	0.10	mg/m³ Air	2.00		99.5	68-121	1.01	29	
Toluene	0.530	0.027	ppmv	0.532		99.6	68-121	1.14	29	
Ethylbenzene	0.437	0.023	"	0.462		94.6	75-125	3.82	32	
Ethylbenzene	1.89	0.10	mg/m³ Air	2.00		94.5	75-125	4.15	32	
Xylenes (total)	1.34	0.047	ppmv	1.38		97.1	76-121	2.94	29	
Xylenes (total)	5.81	0.20	mg/m³ Air	6.00		96.8	76-121	3.22	29	
Surrogate: a,a,a-Trifluorotoluene	*1.41*		*ppmv*	*1.34*		*105*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*8.39*		*mg/m³ Air*	*8.00*		*105*	*56-134*			
LCS Dup (3J16002-BSD2)				Prepared & Analyzed: 10/16/03						
Gasoline Range Organics	12.2	2.4	ppmv	14.2		85.9	65-142	8.55	50	
Gasoline Range Organics	42.9	10	mg/m³ Air	50.0		85.8	65-142	8.51	50	
Surrogate: a,a,a-Trifluorotoluene	*8.22*		*"*	*8.00*		*103*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*1.38*		*ppmv*	*1.34*		*103*	*56-134*			

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	10/23/03 14:34

Notes and Definitions

A-02	This result exceeds the client criteria for the method blank.
HT-09	The sample was analyzed beyond the industry standard recommended holding time. There is no EPA recommended holding time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

COC WSPA SAMPLES DAYS 2, 7

2506 11X

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

MORGAN HILL
LATONYA PELT, PROJECT MGR.
PHONE 408/776-9600 FAX 408/782-6308

ENVIRONMENTAL RESOLUTIONS, INC
ROB SAUR, PROJ. MGR. 415/382-3591
MATT HERMAN, ENGINEER 415/382-4360

CONSULTANT NAME: ERI
ADDRESS: 73 DIGITAL DRIVE, SUITE 100
CITY / STATE / ZIP: NOVATO, CA 94949
CONTACT: MATT HERMAN
PHONE: 415/382-4360
FAX: 415/382-1856
SAMPLER: A.S. OSTA
SAMPLER SIGNATURE:

PROJECT: FORMER EXXON 7-0104, 1725 PARK ST, ALAMEDA
P.O.#:
PROJECT MGR.: ROB SAUR 1-415-382-3591
EXXONMOBIL TM: GENE ORTEGA 1-925-246-8747
QC DATA: LEVEL II (STANDARD)
DRINKING WATER:
WASTE WATER:
OTHER: X

MMJ0317

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE			ANALYSES REQUESTED: TPHg, BTEX MtBE 8015/8020				24 Hour TAT	Normal 10 day TAT	
A-Eff	10/8	1110	1	air	None		#1	X					X	
A-INT	10/8	1115	1	air	None		#2	X					X	
A-INF	10/8	1120	1	air	None		#3	X					X	

RELINQUISHED BY: DATE 10/8/03 TIME 1500 RECEIVED BY: DATE 10-13-03 TIME 1200

RELINQUISHED BY: DATE TIME RECEIVED BY: DATE TIME

TEMP ✓ SAMPLE CONTAINERS INTACT? Y N VOA'S FREE OF HEADSPACE? Y N

FN OM\2294\COC'S

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERI
REC. BY (PRINT) AJ
WORKORDER: MMJ6317

DATE REC'D AT LAB: 10-13-03
TIME REC'D AT LAB: 1200
DATE LOGGED IN: 10-13-03

Drinking water for regulatory purposes: YES / (NO)
Wastewater for regulatory purposes: YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*			A-Eff	1 Tedlar bag	—	air	10-8-03	
2. Chain-of-Custody (Present) / Absent*			A-INT	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present / Absent			A-INF	↓	↓	↓	↓	
4. Airbill: (Airbill) / Sticker (Present) / Absent								
5. Airbill #: 840953975176 FedEx								
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. Does information on custody reports, traffic reports and sample labels agree? (Yes) / No*								
10. Sample received within hold time: Yes / (No*)								
11. Proper Preservatives used: (Yes) / No*								
12. Temp Rec. at Lab: Is temp 4 +/-2°C? Yes / No** (Acceptance range for samples requiring thermal pres.)								

10-13-03

**Exception (if any): Metals / DFF (Direct From Field) or Problem COC

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Sequoia Analytical

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December 22 , 2003

Rob Saur
Environmental Resolutions (Exxon)
73 Digital Drive, Suite 100
Novato, CA 94949

RE: Exxon 7-0104
Work Order: MML0054

Enclosed are the results of analyses for samples received by the laboratory on 12/02/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen

Theresa Allen
Project Manager

CA ELAP Certificate Number 1210

Sequoia Analytical

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	Reported:
Novato CA, 94949	Project Manager: Rob Saur	12/22/03 13:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A-Eff	MML0054-01	Air	12/01/03 15:50	12/02/03 18:45
A-Int	MML0054-02	Air	12/01/03 15:55	12/02/03 18:45
A-Inf	MML0054-03	Air	12/01/03 16:00	12/02/03 18:45

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	Reported:
Novato CA, 94949	Project Manager: Rob Saur	12/22/03 13:57

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-Eff (MML0054-01) Air Sampled: 12/01/03 15:50 Received: 12/02/03 18:45									HT-09
Gasoline Range Organics	ND	10	mg/m³ Air	1	3L05002	12/05/03	12/05/03	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	O-09
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*56-134*		"	"	"	"	
Gasoline Range Organics	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	O-09
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*56-134*		"	"	"	"	
A-Int (MML0054-02) Air Sampled: 12/01/03 15:55 Received: 12/02/03 18:45									HT-09
Gasoline Range Organics	ND	10	mg/m³ Air	1	3L05002	12/05/03	12/05/03	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	O-09
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*56-134*		"	"	"	"	
Gasoline Range Organics	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	O-09
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*56-134*		"	"	"	"	

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	Reported:
Novato CA, 94949	Project Manager: Rob Saur	12/22/03 13:57

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-Inf (MML0054-03) Air Sampled: 12/01/03 16:00 Received: 12/02/03 18:45									HT-09
Gasoline Range Organics	**26**	10	mg/m³ Air	1	3L05002	12/05/03	12/05/03	EPA 8015B/8021B	
Benzene	**0.55**	0.10	"	"	"	"	"	"	
Toluene	**0.57**	0.10	"	"	"	"	"	"	
Ethylbenzene	**0.20**	0.10	"	"	"	"	"	"	
Xylenes (total)	**1.0**	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	O-09
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*56-134*		"	"	"	"	
Gasoline Range Organics	**7.5**	2.4	ppmv	"	"	"	"	"	
Benzene	**0.17**	0.031	"	"	"	"	"	"	
Toluene	**0.15**	0.027	"	"	"	"	"	"	
Ethylbenzene	**0.046**	0.023	"	"	"	"	"	"	
Xylenes (total)	**0.24**	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	O-09
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*56-134*		"	"	"	"	

Sequoia Analytical

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	Reported:
Novato CA, 94949	Project Manager: Rob Saur	12/22/03 13:57

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3L05002 - EPA 5030B [P/T]										
Blank (3L05002-BLK1)			Prepared & Analyzed: 12/05/03							
Gasoline Range Organics	ND	1.2	ppmv							
Gasoline Range Organics	ND	5	mg/m³ Air							
Benzene	ND	0.05	"							
Benzene	ND	0.0155	ppmv							
Toluene	ND	0.0135	"							
Toluene	ND	0.05	mg/m³ Air							
Ethylbenzene	ND	0.0115	ppmv							
Ethylbenzene	ND	0.05	mg/m³ Air							
Xylenes (total)	ND	0.1	"							
Xylenes (total)	ND	0.0235	ppmv							
Methyl tert-butyl ether	ND	0.25	mg/m³ Air							O-09
Methyl tert-butyl ether	ND	0.07	ppmv							O-09
Surrogate: a,a,a-Trifluorotoluene	*1.35*		"	*1.34*		*101*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*8.08*		*mg/m³ Air*	*8.00*		*101*	*56-134*			
LCS (3L05002-BS1)			Prepared & Analyzed: 12/05/03							
Benzene	0.675	0.031	ppmv	0.627		108	62-125			
Benzene	2.15	0.10	mg/m³ Air	2.00		108	62-125			
Toluene	0.566	0.027	ppmv	0.532		106	68-121			
Toluene	2.13	0.10	mg/m³ Air	2.00		106	68-121			
Ethylbenzene	2.02	0.10	"	2.00		101	75-125			
Ethylbenzene	0.467	0.023	ppmv	0.462		101	75-125			
Xylenes (total)	1.48	0.047	"	1.38		107	76-121			
Xylenes (total)	6.42	0.20	mg/m³ Air	6.00		107	76-121			
Surrogate: a,a,a-Trifluorotoluene	*8.22*		"	*8.00*		*103*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*1.38*		*ppmv*	*1.34*		*103*	*56-134*			
LCS (3L05002-BS2)			Prepared & Analyzed: 12/05/03							
Gasoline Range Organics	42.2	10	mg/m³ Air	50.0		84.4	65-142			
Gasoline Range Organics	12.0	2.4	ppmv	14.2		84.5	65-142			

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	Reported:
Novato CA, 94949	Project Manager: Rob Saur	12/22/03 13:57

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3L05002 - EPA 5030B [P/T]										
LCS (3L05002-BS2)				Prepared & Analyzed: 12/05/03						
Surrogate: a,a,a-Trifluorotoluene	*8.61*		*mg/m³ Air*	*8.00*		*108*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*1.44*		*ppmv*	*1.34*		*107*	*56-134*			
LCS Dup (3L05002-BSD1)				Prepared & Analyzed: 12/05/03						
Benzene	2.26	0.10	mg/m³ Air	2.00		113	62-125	4.99	31	
Benzene	0.708	0.031	ppmv	0.627		113	62-125	4.77	31	
Toluene	2.24	0.10	mg/m³ Air	2.00		112	68-121	5.03	29	
Toluene	0.595	0.027	ppmv	0.532		112	68-121	5.00	29	
Ethylbenzene	0.491	0.023	"	0.462		106	75-125	5.01	32	
Ethylbenzene	2.13	0.10	mg/m³ Air	2.00		106	75-125	5.30	32	
Xylenes (total)	1.57	0.047	ppmv	1.38		114	76-121	5.90	29	
Xylenes (total)	6.81	0.20	mg/m³ Air	6.00		114	76-121	5.90	29	
Surrogate: a,a,a-Trifluorotoluene	*1.41*		*ppmv*	*1.34*		*105*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*8.41*		*mg/m³ Air*	*8.00*		*105*	*56-134*			
LCS Dup (3L05002-BSD2)				Prepared & Analyzed: 12/05/03						
Gasoline Range Organics	11.4	2.4	ppmv	14.2		80.3	65-142	5.13	50	
Gasoline Range Organics	40.2	10	mg/m³ Air	50.0		80.4	65-142	4.85	50	
Surrogate: a,a,a-Trifluorotoluene	*7.96*		*"*	*8.00*		*99.5*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*1.33*		*ppmv*	*1.34*		*99.3*	*56-134*			

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Environmental Resolutions (Exxon)	Project: Exxon 7-0104	
73 Digital Drive, Suite 100	Project Number: 7-0104	Reported:
Novato CA, 94949	Project Manager: Rob Saur	12/22/03 13:57

Notes and Definitions

HT-09	The sample was analyzed beyond the industry standard recommended holding time. There is no EPA recommended holding time.
O-09	The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

COC WSPA SAMPLES DAYS 2, 7

MML0054

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

MORGAN HILL
LATONYA PELT, PROJECT MGR.
PHONE 408/776-9600 FAX 408/782-6308

ENVIRONMENTAL RESOLUTIONS, INC
ROB SAUR, PROJ. MGR. 415/382-3591
MATT HERMAN, ENGINEER 415/382-4360

CONSULTANT NAME: ERI
ADDRESS: 73 DIGITAL DRIVE, SUITE 100
CITY / STATE / ZIP: NOVATO, CA 94949
CONTACT: MATT HERMAN
PHONE: 415/382-4360
FAX: 415/382-1856
SAMPLER:
SAMPLER SIGNATURE:

PROJECT: FORMER EXXON 7-0104, 1725 PARK ST, ALAMEDA
P.O.#:
PROJECT MGR.: ROB SAUR 1-415-382-3591
EXXONMOBIL TM: GENE ORTEGA 1-925-246-8747
QC DATA: LEVEL II (STANDARD)
DRINKING WATER:
WASTE WATER:
OTHER: X

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE			ANALYSES REQUESTED: TPHg, BTEX MtBE 8015/8020				24 Hour TAT	Normal 10 day TAT	
A-Eff	12/	1550	1	air	None			X					X	
A-INT	12/	1555	1	air	None			X					X	
A-INF	12/	1600	1	air	None			X					X	

RELINQUISHED BY: DATE 12/03 TIME 1900 RECEIVED BY: DATE 12-2-03 TIME 1100

RELINQUISHED BY: DATE 12-2-03 TIME 1330 RECEIVED BY: DATE 12-2 TIME 13:55

TEMP: 12-2 18:45 SAMPLE CONTAINERS INTACT? Y N VOA'S FREE OF HEADSPACE? Y N

12/2/03 1845

FN OM\2294\COC'S

SAMPLE RECEIPT LOG

CLIENT NAME: ER
REC. BY (PRINT): TL
WORKORDER: HH20059

DATE REC'D AT LAB: 12/2/03
TIME REC'D AT LAB: 1845
DATE LOGGED IN: 12-2-03

DRINKING WATER for regulatory purposes: YES / (NO)
WASTE WATER for regulatory purposes: YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent)			A - cst	(1) Tedlarbag	—	A	12/1/03	
Intact / Broken*			A - int					
2. Chain-of-Custody (Present) / Absent*			A - inf					
3. Traffic Reports or Packing List: Present / (Absent)								
4. Airbill: Airbill / Sticker Present / (Absent)								
5. Airbill #:								
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*								
10. Sample received within hold time: (Yes) / No*								
11. Adequate sample volume received? (Yes) / No*								
12. Proper Preservatives used: (Yes) / No*								
13. Temp Rec. at Lab: Is temp 4 +/-2°C? Yes / No**								

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): METALS / DFF ON ICE or Problem COC

TL 12/2/03

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

SRL rv 4.xls
Revision 4 (11/10/03)
Replaces Revision 3 (03/18/03)
Effective 11/10/03

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ANALYTICAL TESTING CORPORATION

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11/26/03 CASE NARRATIVE

ERI - NORTHERN CA 3876
SCOTT GRAHAM
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 7-0104
Project Number: 250613X.
Laboratory Project Number: 354556.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

Sample Identification	Lab Number	Collection Date
MW1	03-A180194	11/14/03
MW2	03-A180195	11/14/03
MW3	03-A180196	11/14/03
MW5	03-A180197	11/14/03
MW6	03-A180198	11/14/03
MW7	03-A180199	11/14/03
MW8	03-A180200	11/14/03
MW9	03-A180201	11/14/03
MW11	03-A180202	11/14/03

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By:  Report Date: 11/24/03

Ashley Morris, Lab Director
Michael H. Dunn, M.S., QA/QC Director
Johnny A. Mitchell, Operations Manager Organics
Eric S. Smith, Assistant Technical Director
Roxanne L. Connor, Technical Services
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
SCOTT GRAHAM
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 03-A180194
Sample ID: MW1
Sample Type: Water
Site ID: 7-0104

Project: 250613X
Project Name: EXXONMOBIL 7-0104
Sampler: DAVID MADDEN

Date Collected: 11/14/03
Time Collected: 15:01
Date Received: 11/18/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	19.8	ug/L	1.00	2.0	11/22/03	12:45	I. Ahmed	8021B	5541
Ethylbenzene	2.0	ug/L	1.0	2.0	11/22/03	12:45	I. Ahmed	8021B	5541
Toluene	1.8	ug/L	1.0	2.0	11/22/03	12:45	I. Ahmed	8021B	5541
Xylenes (Total)	2.2	ug/L	1.0	2.0	11/22/03	12:45	I. Ahmed	8021B	5541
Methyl-t-butylether	276.	ug/L	1.0	2.0	11/22/03	12:45	I. Ahmed	8021B	5541
TPH (Gasoline Range)	574.	ug/L	100.	2.0	11/22/03	12:45	I. Ahmed	8015B	5541
TPH (Diesel Range)	560.	ug/L	50.	1.0	11/20/03	3:05	L. Watson	8015B/3510	2814

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/19/03		M. Ricke	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	91.	61. - 134.
BTEX/GRO Surr., a,a,a-TFT	93.	69. - 129.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A180194
Sample ID: MW1
Project: 250613X

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
SCOTT GRAHAM
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 250613X
Project Name: EXXONMOBIL 7-0104
Sampler: DAVID MADDEN

Lab Number: 03-A180195
Sample ID: MW2
Sample Type: Water
Site ID: 7-0104

Date Collected: 11/14/03
Time Collected: 14:41
Date Received: 11/18/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	74.0	ug/L	0.50	1.0	11/21/03	18:22	I. Ahmed	8021B	1622
Ethylbenzene	1.6	ug/L	0.5	1.0	11/21/03	18:22	I. Ahmed	8021B	1622
Toluene	0.6	ug/L	0.5	1.0	11/21/03	18:22	I. Ahmed	8021B	1622
Xylenes (Total)	3.7	ug/L	0.5	1.0	11/21/03	18:22	I. Ahmed	8021B	1622
Methyl-t-butylether	93.9	ug/L	0.5	1.0	11/21/03	18:22	I. Ahmed	8021B	1622
TPH (Gasoline Range)	362.	ug/L	50.0	1.0	11/21/03	18:22	I. Ahmed	8015B	1622
TPH (Diesel Range)	132.	ug/L	50.	1.0	11/20/03	3:26	L. Watson	8015B/3510	2814

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/19/03		M. Ricke	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	89.	61. - 134.
BTEX/GRO Surr., a,a,a-TFT	106.	69. - 129.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A180195
Sample ID: MW2
Project: 250613X

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
SCOTT GRAHAM
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 03-A180196
Sample ID: MW3
Sample Type: Water
Site ID: 7-0104

Project: 250613X
Project Name: EXXONMOBIL 7-0104
Sampler: DAVID MADDEN

Date Collected: 11/14/03
Time Collected: 15:15
Date Received: 11/18/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	244.	ug/L	2.50	5.0	11/22/03	13:17	I. Ahmed	8021B	5541
Ethylbenzene	3.7	ug/L	0.5	1.0	11/21/03	18:54	I. Ahmed	8021B	1622
Toluene	2.6	ug/L	0.5	1.0	11/21/03	18:54	I. Ahmed	8021B	1622
Xylenes (Total)	4.5	ug/L	0.5	1.0	11/21/03	18:54	I. Ahmed	8021B	1622
Methyl-t-butylether	794.	ug/L	2.5	5.0	11/22/03	13:17	I. Ahmed	8021B	5541
TPH (Gasoline Range)	1880	ug/L	50.0	1.0	11/21/03	18:54	I. Ahmed	8015B	1622
TPH (Diesel Range)	280.	ug/L	50.	1.0	11/20/03	3:47	L. Watson	8015B/3510	2814

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/19/03		M. Ricke	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	83.	61. - 134.
BTEX/GRO Surr., a,a,a-TFT	110.	69. - 129.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A180196
Sample ID: MW3
Project: 250613X

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
SCOTT GRAHAM
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 03-A180197
Sample ID: MW5
Sample Type: Water
Site ID: 7-0104

Project: 250613X
Project Name: EXXONMOBIL 7-0104
Sampler: DAVID MADDEN

Date Collected: 11/14/03
Time Collected: 15:39
Date Received: 11/18/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	841.	ug/L	5.00	10.0	11/22/03	13:48	I. Ahmed	8021B	5541
Ethylbenzene	14.8	ug/L	0.5	1.0	11/21/03	19:25	I. Ahmed	8021B	1622
Toluene	15.0	ug/L	0.5	1.0	11/21/03	19:25	I. Ahmed	8021B	1622
Xylenes (Total)	17.4	ug/L	0.5	1.0	11/21/03	19:25	I. Ahmed	8021B	1622
Methyl-t-butylether	198.	ug/L	5.0	10.0	11/22/03	13:48	I. Ahmed	8021B	5541
TPH (Gasoline Range)	3450	ug/L	50.0	1.0	11/21/03	19:25	I. Ahmed	8015B	1622
TPH (Diesel Range)	1000	ug/L	50.	1.0	11/20/03	4:08	L. Watson	8015B/3510	2814

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/19/03		M. Ricke	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	82.	61. - 134.
BTEX/GRO Surr., a,a,a-TFT	112.	69. - 129.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A180197
Sample ID: MW5
Project: 250613X

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
SCOTT GRAHAM
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 250613X
Project Name: EXXONMOBIL 7-0104
Sampler: DAVID MADDEN

Lab Number: 03-A180198
Sample ID: MW6
Sample Type: Water
Site ID: 7-0104

Date Collected: 11/14/03
Time Collected: 16:05
Date Received: 11/18/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	26.4	ug/L	0.50	1.0	11/21/03	19:57	I. Ahmed	8021B	1622
Ethylbenzene	44.9	ug/L	0.5	1.0	11/21/03	19:57	I. Ahmed	8021B	1622
Toluene	3.1	ug/L	0.5	1.0	11/21/03	19:57	I. Ahmed	8021B	1622
Xylenes (Total)	45.0	ug/L	0.5	1.0	11/21/03	19:57	I. Ahmed	8021B	1622
Methyl-t-butylether	4520	ug/L	12.5	25.0	11/22/03	14:20	I. Ahmed	8021B	5541
TPH (Gasoline Range)	5370	ug/L	1250	25.0	11/22/03	14:20	I. Ahmed	8015B	5541
TPH (Diesel Range)	338.	ug/L	50.	1.0	11/20/03	4:29	L. Watson	8015B/3510	2814

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/19/03		M. Ricke	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	79.	61. - 134.
BTEX/GRO Surr., a,a,a-TFT	97.	69. - 129.

Sample report continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

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800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

Laboratory Number: 03-A180198
Sample ID: MW6
Project: 250613X

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
SCOTT GRAHAM
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 250613X
Project Name: EXXONMOBIL 7-0104
Sampler: DAVID MADDEN

Lab Number: 03-A180199
Sample ID: MW7
Sample Type: Water
Site ID: 7-0104

Date Collected: 11/14/03
Time Collected: 15:27
Date Received: 11/18/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	1.50	ug/L	0.50	1.0	11/21/03	20:28	I. Ahmed	8021B	1622
Ethylbenzene	0.6	ug/L	0.5	1.0	11/21/03	20:28	I. Ahmed	8021B	1622
Toluene	ND	ug/L	0.5	1.0	11/21/03	20:28	I. Ahmed	8021B	1622
Xylenes (Total)	1.7	ug/L	0.5	1.0	11/21/03	20:28	I. Ahmed	8021B	1622
Methyl-t-butylether	48.0	ug/L	0.5	1.0	11/21/03	20:28	I. Ahmed	8021B	1622
TPH (Gasoline Range)	146.	ug/L	50.0	1.0	11/21/03	20:28	I. Ahmed	8015B	1622
TPH (Diesel Range)	ND	ug/L	50.	1.0	11/20/03	4:50	L. Watson	8015B/3510	2814

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/19/03		M. Ricke	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	86.	61. - 134.
BTEX/GRO Surr., a,a,a-TFT	101.	69. - 129.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A180199
Sample ID: MW7
Project: 250613X

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
SCOTT GRAHAM
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 03-A180200
Sample ID: MW8
Sample Type: Water
Site ID: 7-0104

Project: 250613X
Project Name: EXXONMOBIL 7-0104
Sampler: DAVID MADDEN

Date Collected: 11/14/03
Time Collected: 10:47
Date Received: 11/18/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	0.50	1.0	11/21/03	21:00	I. Ahmed	8021B	1622
Ethylbenzene	0.7	ug/L	0.5	1.0	11/21/03	21:00	I. Ahmed	8021B	1622
Toluene	ND	ug/L	0.5	1.0	11/21/03	21:00	I. Ahmed	8021B	1622
Xylenes (Total)	1.7	ug/L	0.5	1.0	11/21/03	21:00	I. Ahmed	8021B	1622
Methyl-t-butylether	ND	ug/L	0.5	1.0	11/21/03	21:00	I. Ahmed	8021B	1622
TPH (Gasoline Range)	ND	ug/L	50.0	1.0	11/21/03	21:00	I. Ahmed	8015B	1622
TPH (Diesel Range)	55.	ug/L	50.	1.0	11/20/03	5:10	L. Watson	8015B/3510	2814

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/19/03		M. Ricke	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	89.	61. - 134.
BTEX/GRO Surr., a,a,a-TFT	92.	69. - 129.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A180200
Sample ID: MW8
Project: 250613X

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
SCOTT GRAHAM
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 250613X
Project Name: EXXONMOBIL 7-0104
Sampler: DAVID MADDEN

Lab Number: 03-A180201
Sample ID: MW9
Sample Type: Water
Site ID: 7-0104

Date Collected: 11/14/03
Time Collected: 11:24
Date Received: 11/18/03
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	0.50	1.0	11/21/03	21:31	I. Ahmed	8021B	1622
Ethylbenzene	ND	ug/L	0.5	1.0	11/21/03	21:31	I. Ahmed	8021B	1622
Toluene	ND	ug/L	0.5	1.0	11/21/03	21:31	I. Ahmed	8021B	1622
Xylenes (Total)	ND	ug/L	0.5	1.0	11/21/03	21:31	I. Ahmed	8021B	1622
Methyl-t-butylether	ND	ug/L	0.5	1.0	11/21/03	21:31	I. Ahmed	8021B	1622
TPH (Gasoline Range)	ND	ug/L	50.0	1.0	11/21/03	21:31	I. Ahmed	8015B	1622
TPH (Diesel Range)	ND	ug/L	50.	1.0	11/20/03	5:31	L. Watson	8015B/3510	2814

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/19/03		M. Ricke	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	86.	61. - 134.
BTEX/GRO Surr., a,a,a-TFT	93.	69. - 129.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A180201
Sample ID: MW9
Project: 250613X

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
SCOTT GRAHAM
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 03-A180202
Sample ID: MW11
Sample Type: Water
Site ID: 7-0104

Project: 250613X
Project Name: EXXONMOBIL 7-0104
Sampler: DAVID MADDEN

Date Collected: 11/14/03
Time Collected: 15:54
Date Received: 11/18/03
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	2070	ug/L	25.0	50.0	11/22/03	14:52	I. Ahmed	8021B	5541
Ethylbenzene	2010	ug/L	25.0	50.0	11/22/03	14:52	I. Ahmed	8021B	5541
Toluene	3300	ug/L	25.0	50.0	11/22/03	14:52	I. Ahmed	8021B	5541
Xylenes (Total)	8680	ug/L	25.0	50.0	11/22/03	14:52	I. Ahmed	8021B	5541
Methyl-t-butylether	240.	ug/L	25.0	50.0	11/22/03	14:52	I. Ahmed	8021B	5541
TPH (Gasoline Range)	45800	ug/L	2500	50.0	11/22/03	14:52	I. Ahmed	8015B	5541
TPH (Diesel Range)	3530	ug/L	250.	5.0	11/20/03	16:51	L. Watson	8015B/3510	2814

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/19/03		M. Ricke	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	85.	61. - 134.
BTEX/GRO Surr., a,a,a-TFT	106.	69. - 129.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A180202
Sample ID: MW11
Project: 250613X

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
TPH-Diesel result was not consistent with diesel fuel.

End of Sample Report.

TestAmerica
ANALYTICAL TESTING CORPORATION

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PROJECT QUALITY CONTROL DATA
Project Number: 250613X
Project Name: EXXONMOBIL 7-0104
Page: 1
Laboratory Receipt Date: 11/18/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	0.0740	0.132	0.0500	116	60. - 143.	1622	03-A180195
Toluene	mg/l	0.0006	0.0563	0.0500	111	62. - 139.	1622	03-A180195
Ethylbenzene	mg/l	0.0016	0.0566	0.0500	110	61. - 138.	1622	03-A180195
Xylenes (Total)	mg/l	0.0037	0.112	0.100	108	59. - 137.	1622	03-A180195
Methyl-t-butylether	mg/l	0.0939	0.136	0.0500	84	60. - 138.	1622	03-A180195
TPH (Gasoline Range)	mg/l	0.362	0.972	1.00	61	56. - 134.	1622	03-A180195
TPH (Diesel Range)	mg/l	< 0.050	1.03	1.00	103	35. - 130.	2814	BLANK
BTEX/GRO Surr., a,a,a-TFT	% Recovery				110	69 - 129	1622	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.132	0.129	2.30	23.	1622
Toluene	mg/l	0.0563	0.0555	1.43	24.	1622
Ethylbenzene	mg/l	0.0566	0.0561	0.89	24.	1622
Xylenes (Total)	mg/l	0.112	0.111	0.90	25.	1622
Methyl-t-butylether	mg/l	0.136	0.136	0.00	24.	1622
TPH (Gasoline Range)	mg/l	0.972	0.929	4.52	24.	1622
TPH (Diesel Range)	mg/l	1.03	0.915	11.83	41.	2814
BTEX/GRO Surr., a,a,a-TFT	% Recovery		113.			1622

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 250613X
Project Name: EXXONMOBIL 7-0104
Page: 2
Laboratory Receipt Date: 11/18/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.100	0.0955	96	74 - 120	1622
Benzene	mg/l	0.100	0.0986	99	74 - 120	5541
Toluene	mg/l	0.100	0.0932	93	73 - 118	1622
Toluene	mg/l	0.100	0.0975	98	73 - 118	5541
Ethylbenzene	mg/l	0.100	0.0924	92	72 - 118	1622
Ethylbenzene	mg/l	0.100	0.0970	97	72 - 118	5541
Xylenes (Total)	mg/l	0.200	0.184	92	72 - 116	1622
Xylenes (Total)	mg/l	0.200	0.191	96	72 - 116	5541
Methyl-t-butylether	mg/l	0.100	0.0857	86	64 - 124	1622
Methyl-t-butylether	mg/l	0.100	0.0920	92	64 - 124	5541
TPH (Gasoline Range)	mg/l	1.00	0.972	97	72 - 125	1622
TPH (Gasoline Range)	mg/l	1.00	0.965	96	72 - 125	5541
BTEX/GRO Surr., a,a,a-TFT	% Recovery			105	69 - 129	1622
BTEX/GRO Surr., a,a,a-TFT	% Recovery			109	69 - 129	5541
UST PARAMETERS						
TPH (Diesel Range)	mg/l	1.00	1.02	102	35 - 130	2814

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Project QC continued . . .

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ROJECT QUALITY CONTROL DATA
roject Number: 250613X
Project Name: EXXONMOBIL 7-0104
age: 3
aboratory Receipt Date: 11/18/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.00050	mg/l	1622	11/21/03	16:47
Benzene	< 0.00050	mg/l	5541	11/22/03	12:13
Toluene	< 0.0005	mg/l	1622	11/21/03	16:47
Toluene	< 0.0005	mg/l	5541	11/22/03	12:13
Ethylbenzene	< 0.0005	mg/l	1622	11/21/03	16:47
Ethylbenzene	< 0.0005	mg/l	5541	11/22/03	12:13
Xylenes (Total)	< 0.0005	mg/l	1622	11/21/03	16:47
Xylenes (Total)	< 0.0005	mg/l	5541	11/22/03	12:13
Methyl-t-butylether	< 0.0005	mg/l	1622	11/21/03	16:47
Methyl-t-butylether	< 0.0005	mg/l	5541	11/22/03	12:13
TPH (Gasoline Range)	< 0.0500	mg/l	1622	11/21/03	16:47
TPH (Gasoline Range)	< 0.0500	mg/l	5541	11/22/03	12:13
TPH (Diesel Range)	< 0.050	mg/l	2814	11/20/03	19:54
BTEX/GRO Surr., a,a,a-TFT	82.	% Recovery	1622	11/21/03	16:47
BTEX/GRO Surr., a,a,a-TFT	87.	% Recovery	5541	11/22/03	12:13

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 354556

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM BC# 354556

Client: ERI

Cooler Received On: 11/18/03 And Opened On: 11/18/03 By: Mike McBride

(Signature)

1. Temperature of Cooler when opened 10 Degrees Celsius
2. Were custody seals on outside of cooler?.....(YES)...NO....NA
   a. If yes, how many, what kind and where: (1) Front
3. Were custody seals on containers and intact?.....(NO)..YES...NA
4. Were the seals intact, signed, and dated correctly?.....(YES)...NO...NA
5. Were custody papers inside cooler?.....(YES)...NO...NA
6. Were custody papers properly filled out (ink,signed,etc)?.....(YES)...NO...NA
7. Did you sign the custody papers in the appropriate place?.....(YES)...NO...NA
8. What kind of packing material used? (Bubblewrap) Peanuts Vermiculite Other None
9. Cooling process: (Ice) Ice pack Ice(direct contact) Dry ice Other None
10. Did all containers arrive in good condition(unbroken)?.....(YES).NO...NA
11. Were all container labels complete (#,date,signed,pres,etc)?.....(YES).NO...NA
12. Did all container labels and tags agree with custody papers?.....(YES).NO...NA
13. Were correct containers used for the analysis requested?.....(YES).NO...NA
14. a. Were VOA vials received?.....(YES).NO...NA
    b. Was there any observable head space present in any VOA vial?.....(NO).YES...NA
15. Was sufficient amount of sample sent in each container?.....(YES).NO...NA
16. Were correct preservatives used?.....(YES).NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?.....NO...YES..(NA)
18. See attached for resolution of non-conformance:

(Fed-Ex) UPS Velocity Airborne Route Off-street Misc.

354556

CHAIN OF CUSTODY RECORD

Page ___ of ___

TestAmerica INCORPORATED

(615) 726-0177
Nashville Division
2960 Foster Creighton
Nashville, TN 37204

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 73 Digital Drive, Suite 100
City/State/Zip: Novato, California 94949
Project Manager Scott Graham
Telephone Number: (415) 382-5989
ERI Job Number: 250613X
Sampler Name: (Print) David Madden
Sampler Signature: David A. Madden

ExxonMobil Engineer Gene N. Ortega
Telephone Number (925) 246-8747
Account #: 3876
PO #: 4501667094
Facility ID # 7-0104
Global ID# T0600100555
Site Address 1725 Park Street
City, State Zip Alameda, California

Shipping Method: ☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

TAT
☐ 24 hour ☐ 72 hour
☐ 48 hour ☐ 96 hour
☑ 8 day

PROVIDE:
EDF Report
FAX Results

Special Instructions:

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	TPHd 8015B	TPHg 8015B	BTEX 8021B	MTBE 8021B	confirm MTBE 8260	Oxygenates 8260	VOCs 8260	MTBE 524.1			
										Analyze For:										
QCBB	11/14/02	1449		X	HCL	2/1	X			H	O	L	D							
MW1		1501		X	HCL / O	4/2	X			X	X	X	X				63A	180	194	
MW2		1421		X	HCL / O	4/2	X			X	X	X	X						95	
MW3		1515		X	HCL / O	4/2	X			X	X	X	X						96	
~~MW4~~				~~X~~	~~HCL / O~~	~~4/2~~	~~X~~			~~X~~	~~X~~	~~X~~	~~X~~							
MW5		1539		X	HCL / O	4/2	X			X	X	X	X						97	
MW6		1605		X	HCL / O	4/2	X			X	X	X	X						98	
MW7		1527		X	HCL / O	4/2	X			X	X	X	X						99	
MW8		1047		X	HCL / O	4/2	X			X	X	X	X						200	
MW9		1124		X	HCL / O	4/2	X			X	X	X	X						01	
MW11	↓	1554		X	HCL / O	4/2	X			X	X	X	X					180	202	

Relinquished by: David A. Madden Date 11/17/03 Time 9:00am
Received by: Time #10 05

Relinquished by: Date Time
Received by TestAmerica: Time 0850

Laboratory Comments:
Temperature Upon Receipt: 1°C
Sample Containers Intact? yes
VOAs Free of Headspace? yes

ATTACHMENT D

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
2/16/1998	System startup	1,583	0	---				
2/19/1998	A-INF	1,652	69	48	< 2.4	< 0.031	<	< 0.1
	A-INT				< 2.4	< 0.031		
	A-EFF				< 2.4	< 0.031		
3/3/1998	A-INF	1,828	176	50	< 2.4	< 0.031	<	< 0.2
	A-INT				< 2.4	< 0.031		
	A-EFF				< 2.4	< 0.031		
4/2/1998	A-INF	2,184	356	52	< 2.4	< 0.031	<	< 0.5
	A-INT				< 2.4	< 0.031		
	A-EFF				< 2.4	< 0.031		
5/4/1998	A-INF	2,538	354	131	17	0.44		< 5.8
	A-INT				< 2.4	< 0.031		
	A-EFF				< 2.4	< 0.031		
6/10/1998	A-INF	2,940	402	131	12	0.047		< 10.0
	A-INT				4.2	< 0.031		
	A-EFF				< 2.4	< 0.031		
7/7/1999	A-INF	2,940	0	131	76	2.6		< 10.0
	A-INT				---	---		
	A-EFF				< 2.4	< 0.031		
8/4/1998	A-INF	3,248	308	131	34	0.94		< 19.1
	A-INT				8.8	0.27		
	A-EFF				10	< 0.031		
10/20/1998	A-INF	3,249	1	131	210	6.0		< 19.3
	A-INT				< 2.4	< 0.031		
	A-EFF				< 2.4	< 0.031		
11/9/1998	A-INF	3,464	215	131	13	0.056		< 21.7
	A-INT				< 2.4	< 0.031		
	A-EFF				< 2.4	< 0.031		
12/8/1998	A-INF	3,798	334	131	3.1	0.034		< 22.7
	A-INT				< 2.4	< 0.031		
	A-EFF				< 2.4	< 0.031		
1/13/1999	A-INF	4,264	466	131	12	< 0.031		< 27.5
	A-INT				5.6	< 0.031		
	A-EFF				< 2.4	< 0.031		
2/8/1999	A-INF	4,600	336	131	< 12.1	< 0.16	<	< 31.1
	A-INT				< 12.1	< 0.16		
	A-EFF				< 12.1	< 0.16		
3/8/1999	A-INF	4,919	319	131	2.7	< 0.031		< 31.8
	A-INT				< 2.4	< 0.031		
	A-EFF				< 2.4	< 0.031		
4/5/1999	A-INF	4,957	38	131	42.6	0.474		< 33.3
	A-INT				4.6	< 0.0314		
	A-EFF				< 2.84	< 0.0314		
5/6/1999	A-INF	5,470	513	131	11.84	0.0872		< 38.6

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

Date	Sample ID	FIELD MEASUREMENTS Hour Meter	Hours of Operation	Flow cfm	Laboratory Analytical Results TPHg ppmv	Benzene ppmv	TPHg Removal Per Period Pounds	Cumulative Pounds
	A-INT				4.20	< 0.0314		
	A-EFF				4.71	< 0.0314		
5/26/1999	A-INF	5,799	329	131	---	---		< 42.0
	A-INT				18.03	< 0.031		
	A-EFF				11.98	< 0.031		
8/9/1999	A-INF	5,799	0	118	240	1.60		< 42.0
	A-INT				< 2.84	< 0.0314		
	A-EFF				< 2.84	< 0.0314		
9/7/1999	A-INF	6,275	476	109	10.6	0.0403		< 45.7
	A-INT				6.23	< 0.0314		
	A-EFF				3.74	< 0.0314		
10/12/1999	A-INF	6,638	363	122	15	< 0.31		< 50.1
	A-INT				< 2.8	< 0.31		
	A-EFF				< 2.8	< 0.31		
12/9/1999	A-INF	6,686	48	109	82	1.0		< 53.0
	A-INT				< 2.8	< 0.31		
	A-EFF				< 2.8	< 0.31		
2/8/2000	A-INF	7,030	344	109	31	0.59		< 60.8
	A-INT				< 2.8	< 0.31		
	A-EFF				< 2.8	< 0.31		
3/24/2000	System shutdown pending evaluation							
4/1/2000	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 E

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

HYDROCARBONS REMOVED FROM A VADOSE WELL SOP-25 Rev. 10-C

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 lb.	Calc. 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)