ExxonMobil
Refining & Supply Company
Global Remediation

25A Crescent Drive, #407
Pleasant Hill, California 95423
(925) 246-8747 Telephone
(925) 246-8798 Facsimile
gene.n.ortega@exxonmobil.com

Gene N. Ortega
Project Manager
Global Remediation – US Retail

ExxonMobil
Refining & Supply

May 20, 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 #7-0238/2200 East 12th Street, Oakland California.

Dear Mr. Gholami:

Attached for your review and comment is a letter report entitled ***Quarterly Groundwater Monitoring Report, First Quarter 2004,*** dated May 20, 2004, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Novato, California, and details groundwater monitoring and sampling 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 Report, First Quarter 2004, dated May 20, 2004

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

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

ENVIRONMENTAL RESOLUTIONS, INC.

May 20, 2004
ERI 229313.Q041

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, First Quarter 2004, Former Exxon Service Station 7-0238, 2200 East 12th Street, Oakland, California.

Mr. Ortega:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) performed first quarter 2004 groundwater monitoring and sampling and operated a soil and groundwater remediation system 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 location of groundwater monitoring wells and select site features are shown on the Generalized Site Plan (Plate 2).

GROUNDWATER MONITORING AND SAMPLING

On January 7, 2004, ERI measured depth to water (DTW) in select wells and collected groundwater samples from these wells for laboratory analysis. Work was performed in accordance with ERI's groundwater sampling protocol (Attachment A).

A groundwater elevation map showing the calculated hydraulic gradient and groundwater flow direction is shown on Plate 3. Historical and recent monitoring data are summarized in Table 1.

Laboratory Analyses and Results

ERI submitted groundwater samples to Test America Incorporated (Test America), a California state-certified laboratory, under Chain-of-Custody protocol. The samples were analyzed using the methods listed in the notes in Table 1. The laboratory analytical report and Chain-of-Custody record are attached (Attachment B). Cumulative results of laboratory analyses of groundwater samples are summarized in Table 1. Select analytical results of groundwater samples collected during this quarter are shown on Plate 2.

SOIL AND GROUNDWATER REMEDIATION

Dual-Phase Extraction and Treatment System

The remediation system uses dual-phase extraction (DPE) to simultaneously extract soil vapor and groundwater from four DPE wells (DPE1 through DPE4). Extracted soil vapor is processed through an air-water separator, a 130-standard cubic feet per minute (scfm) blower, and a catalytic oxidizer prior to

atmospheric discharge. Extracted groundwater is directed through the water treatment system and collected in a 500-gallon holding tank. The extracted groundwater is processed through two sediment filters and three 1,000-pound liquid-phase GAC vessels connected in series prior to discharge to the sanitary sewer under East Bay Municipal Utilities District (EBMUD) Discharge Permit No. 5051679-1.

On January 15, 2004, ERI attempted to start the DPE system; however, the system was not started due to a transfer pump failure. Approximately 1,200 gallons of groundwater was generated during the January 15, 2004 start-up attempt. The approximately 1,200 gallons of groundwater was treated and discharged to an on-site holding tank. On February 26, 2004, ERI completed the repairs to the transfer pump. On March 1, 2004, ERI started the groundwater extraction and treatment system (GETS) and began discharging the treated groundwater to the sanitary sewer. On March 8, 2004, ERI transferred the approximately 1,200 gallons of groundwater from the on-site holding tank to the GETS. The GETS processed the 1,200 gallons of groundwater from the holding tank and discharged the water to the sanitary sewer.

Soil vapor samples are collected on a monthly basis and are submitted to Sequoia Analytical (Sequoia), a California state-certified laboratory, under Chain-of-Custody protocol for analysis. The laboratory analytical report and Chain-of-Custody record are attached (Attachment B). ERI's standard operating procedures for calculating pounds of hydrocarbons in a vapor stream are attached (Attachment C). Cumulative hydrocarbon removal and emissions data since startup are provided on Table 2.

Extracted groundwater samples are collected on a monthly basis and are submitted to Sequoia under Chain-of-Custody protocol for analysis. The laboratory analytical report and Chain-of-Custody record are attached (Attachment B). Cumulative groundwater extraction data are provided in Table 3.

SUMMARY AND STATUS OF REMEDIATION

The remediation system was operational during this reporting period. The estimated mass of vapor-phase hydrocarbons removed by DPE during the reporting period and since startup is presented in the following table.

Period	Mass of TPHg Removed (Pounds)	Mass of Benzene Removed (Pounds)
01/15/04-03/08/04:	2.37	0.02
To Date:	2.37	0.02

The estimated volume of water and mass of dissolved-phase hydrocarbons removed by the GETS during the reporting period and since startup are presented in the following table.

Period	Gallons of Groundwater Treated	Mass of TPHg Removed (Pounds)	Mass of Benzene Removed (Pounds)	Mass of MTBE Removed (Pounds)
01/15/04-03/08/04:	11,610	<0.32	0.00	0.24
To Date:	11,610	<0.32	0.00	0.24

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. Chuck Headlee
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. Robert A. Saur 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:	Operation and Performance Data for Dual-Phase 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:	Laboratory Analysis Report and Chain-of-Custody Record
Attachment C:	ERI SOP-25: "Hydrocarbons Removed from a Vadose Well"

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE	B	T	E	X	Oxygenates
		<	feet	>	<		µg/L				>
MW9A	11/02/95	NLPH	7.16	4.30	<50	<10	<0.5	<0.5	<0.5	<0.5	---
(11.46)	04/26/96	NLPH	6.33	5.13	---	---	---	---	---	---	---
	08/22/96	NLPH	7.02	4.44	---	---	---	---	---	---	---
	02/24/97	---	---	---	---	---	---	---	---	---	---
	03/16/98	NLPH	6.14	5.32	<200	40,000	7.9	<2.0	<2.0	<2.0	---
	04/21/98	NLPH	6.29	5.17	<50	53,000	3.8	<0.5	<0.5	<0.5	---
(14.53)	07/22/98	NLPH	6.58	7.95	<250	18,000	<2.5	<2.5	<2.5	<2.5	---
	12/22/98	NLPH	6.47	8.06	<50	5,200	<0.5	<0.5	<0.5	<0.5	---
	02/26/99	NLPH	6.38	8.15	<100	10,000	<1.0	<1.0	<1.0	<1.0	---
	5/27/99 b	NLPH	6.56	7.97	<5,000	15,300	<50	<50	<50	<50	---
	08/03/99	NLPH	9.39	5.14	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	12/03/99	NLPH	6.52	8.01	<50	1,400	<0.5	<0.5	<0.5	0.67 c	---
	02/29/00	NLPH	5.31	9.22	<50	20,000	1.2	<0.5	<0.5	<0.5	---
	05/18/00	NLPH	6.31	8.22	<50	14,000/11,000a	<0.5	<0.5	<0.5	<0.5	---
	07/24/00	NLPH	6.54	7.99	<50	7,400	<0.5	<0.5	<0.5	<0.5	---
	10/09/00	NLPH	6.00	8.53	<50	2,300	<0.5	<0.5	<0.5	<0.5	---
	01/10/01	NLPH	6.34	8.19	<50	3,700	<0.5	<0.5	<0.5	<0.5	---
	04/10/01	NLPH	9.31	5.22	<50	11,000	<0.5	<0.5	<0.5	<0.5	---
	07/12/01	NLPH	---	---	<50	3,600	<0.5	<0.5	<0.5	<0.5	---
	8/17/01 d	---	6.61	7.92	---	---	---	---	---	---	---
	10/11/01	NLPH	7.03	7.50	<50	1,700	<0.5	<0.5	<0.5	<0.5	---
(14.51)	10/11/01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	5.93	8.58	2,090 f	31,000 f	18.6 f	<0.50	<0.50	<0.50	---
	04/12/02	NLPH	6.41	8.10	34,300	32,200	<5.00	<5.00	<5.00	<5.00	---
	07/12/02	NLPH	6.64	7.87	6,760	8,070	<0.5	<0.5	<0.5	<0.5	---
	10/11/02	NLPH	6.76	7.75	2,420	2,860/3,040 a	<0.5	<0.5	<0.5	<0.5	ND
	01/10/03	NLPH	5.90	8.61	38,800	51,900	103	15.0	<5.0	13.0	---
	04/09/03	NLPH	6.38	8.13	34,200	38,600	14.0	<5.0	<5.0	<5.0	---
	07/22/03	NLPH	6.56	7.95	20,200	19,500	0.50	<0.5	<0.5	<0.5	---
	10/01/03	NLPH	6.72	7.79	9,460	7,620a	0.70	<0.5	<0.5	<0.5	2.80h,1,100j
	01/06/04	**NLPH**	**5.89**	**8.62**	**8,540**	**11,600**	**<0.50**	**<0.5**	**<0.5**	**<0.5**	**4.90h, 11,900j**
MW9B	11/02/95	NLPH	6.14	3.66	130	<10	3.3	<0.5	<0.5	<0.5	---
(9.80)	04/26/96	NLPH	5.66	4.14	270	70	130	2.8	6.7	<3	---
	08/22/96	NLPH	6.16	3.64	210	31	5.7	6.8	1.1	9.2	---
	02/24/97	NLPH	5.58	4.22	1,400	1,300	76	1.4	4.1	1.2	---
(12.83)	03/16/98	NLPH	5.32	4.48	860	1,500	140	2.0	11	<2.0	---
	04/21/98	NLPH	5.49	4.31	1,800	18,000	300	<5.0	7.9	<5.0	---
	07/22/98	NLPH	5.79	7.04	<500	26,000	13	<5.0	<5.0	<5.0	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE	B	T	E	X	Oxygenates
		<	feet	>	<		µg/L				>
MW9B (cont.)	12/22/98	NLPH	5.69	7.14	700	21,000	110	3.1	9.1	14	---
(12.83)	02/26/99	NLPH	5.10	7.73	8,800	8,000	2,000	<25	52	38	---
	05/18/99	NLPH	5.65	7.18	<10,000	42,100	158	<100	<100	<100	---
	08/03/99	NLPH	6.24	6.59	960	24,900	<5.0	<5.0	<5.0	<5.0	---
	12/03/99	NLPH	5.66	7.17	<50	1,000	<0.5	<0.5	<0.5	<0.5	---
	02/29/00	NLPH	4.61	8.22	3,100	25,000	900	7	23	7.1	---
	05/18/00	NLPH	5.54	7.29	780	34,000/26,000a	150	<2.5	4.5	<2.5	---
	07/24/00	NLPH	8.75	4.08	<250	39,000	8	<2.5	<2.5	<2.5	---
	10/09/00	NLPH	4.84	7.99	<1,200	30,000	1.7	<0.5	<0.5	<0.5	---
	01/10/01	NLPH	5.56	7.27	<250	32,000	5.3	<0.5	<0.5	<0.5	---
	04/10/01	NLPH	5.40	7.43	360	27,000	69.0	<2.5	22.0	29.8	---
	07/12/01	NLPH	---	---	<250	41,000	<2.5	<2.5	<2.5	<2.5	---
	8/17/01 d	---	5.83	7.00	---	---	---	---	---	---	---
	10/11/01	NLPH	8.70	4.13	<250	24,000	<2.5	<2.5	<2.5	<2.5	---
(12.84)	Nov-01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	5.16	7.68	9,170 f	14,600 f	66.0 f	<10.0	54.0	<10.0	---
	04/12/02	NLPH	5.57	7.27	29,600	28,600	12.0	<5.00	<5.00	<5.00	---
	07/12/02	NLPH	5.81	7.03	20,200	27,700	<10.0	14.0	<10.0	16.0	---
	10/11/02 g	NLPH	5.91	6.93	18,900	24,300/28,200 a	2.3	<0.5	<0.5	<0.5	ND
	01/10/03	NLPH	5.09	7.75	14,900	18,600	118	1.0	6.5	3.6	---
	04/09/03	NLPH	5.51	7.33	21,800	24,900	51.0	<5.0	<5.0	<5.0	---
	07/22/03	NLPH	6.09	6.75	33,500	36,900	<0.50	<0.5	<0.5	<0.5	---
	10/01/03	NLPH	6.16	6.68	25,500	19,100a	1.10	<0.5	<0.5	<0.5	9.70h, 2,430j
	01/06/04	**NLPH**	**5.14**	**7.70**	**10,400**	**15,700a**	**16.9**	**1.8**	**18.6**	**1.7**	**9.00h, 11,500j, 0.80k**
MW9C	11/02/95	---	---	---	---	---	---	---	---	---	---
(11.14)	04/26/96	---	---	---	---	---	---	---	---	---	---
	08/22/96	---	---	---	---	---	---	---	---	---	---
	02/24/97	---	---	---	---	---	---	---	---	---	---
	03/16/98	NLPH	5.51	5.63	<500	150,000	24	<5.0	<5.0	<5.0	---
	04/21/98	NLPH	5.83	5.31	150	130,000/150,000a	<0.5	<0.5	<0.5	<0.5	---
(14.19)	07/22/98	NLPH	6.43	7.76	<500	95,000	<5.0	<5.0	<5.0	<5.0	---
	12/22/98	NLPH	6.16	8.03	<500	84,000	<5.0	<5.0	<5.0	<5.0	---
	02/26/99	NLPH	5.46	8.73	<250	55,000	<2.5	<2.5	<2.5	<2.5	---
	05/18/99	NLPH	6.27	7.92	<25,000	68,900	<250	<250	<250	<250	---
	08/03/99	NLPH	7.13	7.06	210	69,200	<1.0	1.3	<1.0	<1.0	---
	12/03/99	NLPH	6.17	8.02	290	50,000	<2.5	<2.5	<2.5	<2.5	---
	02/29/00	NLPH	4.49	9.70	<250	40,000	<2.5	<2.5	<2.5	<2.5	---
	05/18/00	NLPH	5.96	8.23	<250	46,000/33,000	<2.5	<2.5	<2.5	<2.5	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE	B	T	E	X	Oxygenates
		<	feet	>	<		µg/L				>
MW9C (cont.)	07/24/00	NLPH	6.47	7.72	<250	44,000	<2.5	<2.5	<2.5	<2.5	---
(14.19)	10/09/00	NLPH	6.57	7.62	<250	39,000	<2.5	<2.5	<2.5	<2.5	---
	01/10/01	NLPH	6.09	8.10	<250	42,000	<2.5	<2.5	<2.5	<2.5	---
	04/10/01	NLPH	7.88	6.31	<250	35,000	<2.5	<2.5	<2.5	<2.5	---
	07/12/01	NLPH	---	---	<250	32,000	<2.5	<2.5	<2.5	<2.5	---
	8/17/01 d	---	6.60	7.59	---	---	---	---	---	---	---
	10/11/01	NLPH	6.67	7.52	<250	53,000	<2.5	<2.5	<2.5	<2.5	---
(14.16)	Nov-01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	5.29	8.87	2,470 f	90,000 f	0.90 f	<0.50	<0.50	<0.50	---
	04/12/02	NLPH	6.14	8.02	70,400	66,800	<5.00	<5.00	<5.00	<5.00	---
	07/12/02	NLPH	6.54	7.62	50,900	58,300	<500	<500	<500	<500	---
	10/11/02	NLPH	6.73	7.43	52,100	58,800/76,000 a	<10.0	<10.0	<10.0	<10.0	34.3 h
	01/10/03	NLPH	5.21	8.95	40,600	55,500	<0.5	<0.5	<0.5	<0.5	---
	04/09/03	NLPH	6.08	8.08	24,700	29,600	<5.00	<5.0	<5.0	<5.0	---
	07/22/03	NLPH	6.47	7.69	13,800	13,100	1.40	<0.5	<0.5	<0.5	---
	10/01/03	NLPH	6.62	7.54	9,100	38,400a	0.70	<0.5	<0.5	<0.5	2.70h, 38,400j
	01/06/04	**NLPH**	**4.86**	**9.30**	**4,160**	**5,020a**	**0.70**	**<0.5**	**<0.5**	**<0.5**	**2.50h, 90,700j, 0.80k**
MW9D	11/02/95	---	---	---	---	---	---	---	---	---	---
(12.90)	04/26/96	---	--	--	---	---	---	---	---	---	---
	08/22/96	---	---	---	---	---	---	---	---	---	---
	02/24/97	---	---	---	---	---	---	---	---	---	---
	03/16/98	NLPH	6.94	5.96	<50	10	<0.5	<0.5	<0.5	<0.5	---
	04/21/98	NLPH	7.22	5.68	<50	12	<0.5	<0.5	<0.5	<0.5	---
(15.98)	07/22/98	NLPH	7.85	8.13	<50	13	<0.5	<0.5	<0.5	<0.5	---
	12/22/98	NLPH	7.58	8.40	<50	12	<0.5	<0.5	<0.5	<0.5	---
	02/26/99	NLPH	6.42	9.56	<50	310	<0.5	<0.5	<0.5	<0.5	---
	05/18/99	NLPH	6.55	9.43	<2,500	13,500	<25	<25	<25	<25	---
	08/03/99	NLPH	8.34	7.64	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	12/03/99	NLPH	7.56	8.42	<50	<2	<0.5	<0.5	<0.5	<0.5	---
	02/29/00	NLPH	4.82	11.16	<50	2.5	<0.5	<0.5	<0.5	<0.5	---
	05/18/00	NLPH	7.40	8.58	<50	6.2	<0.5	<0.5	<0.5	<0.5	---
	07/24/00	NLPH	7.91	8.07	<50	14	<0.5	<0.5	0.85	0.74	---
	10/09/00	NLPH	8.02	7.96	<50	14	<0.5	<0.5	<0.5	<0.5	---
	01/10/01	NLPH	7.26	8.72	<50	18	<0.5	<0.5	<0.5	<0.5	---
	04/10/01	NLPH	7.32	8.66	<50	14	<0.5	<0.5	<0.5	<0.5	---
	07/12/01	NLPH	--	--	<50	22	<0.5	<0.5	<0.5	<0.5	---
	08/17/01 e	---	---	---	---	---	---	---	---	---	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE	B	T	E	X	Oxygenates
		<	feet	>	<		µg/L				>
MW9D (cont.)	10/11/01	NLPH	8.16	7.82	<50	24	<0.5	<0.5	<0.5	<0.5	---
(15.97)	Nov-01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	6.64	9.33	352 f	2.0 f	<0.50	<0.50	<0.50	<0.50	---
	04/12/02	NLPH	7.58	8.39	191	192	<0.50	<0.50	<0.50	<0.50	---
	07/12/02	NLPH	8.01	7.96	108	124	<0.5	<0.5	<0.5	<0.5	---
	10/11/02	NLPH	8.13	7.84	187	243	<0.5	<0.5	<0.5	<0.5	i
	01/10/03	NLPH	5.98	9.99	386	132	4.1	<0.5	<0.5	<0.5	---
	04/09/03	NLPH	7.53	8.44	468	292	3.80	<0.5	<0.5	<0.5	---
	07/22/03	NLPH	7.87	8.10	446	339	0.70	<0.5	<0.5	<0.5	---
	10/01/03	NLPH	8.04	7.93	402	362a	<0.50	<0.5	<0.5	<0.5	235j
	01/06/04	**NLPH**	**6.31**	**9.66**	**72.2**	**80.9a**	**<0.50**	**<0.5**	**<0.5**	**<0.5**	**51.8j**
MW9F	11/02/95	---	---	---	---	---	---	---	---	---	---
(8.37)	04/26/96	NLPH	---	---	<50	57	<0.5	<0.5	<0.5	<0.5	---
	08/22/96	NLPH	---	---	<50	5.8	<0.5	<0.5	<0.5	<0.5	---
	02/24/97	NLPH	---	---	<50	<30	<0.5	<0.5	<0.5	<0.5	---
	03/16/98	NLPH	---	---	---	---	---	---	---	---	---
	04/21/98	---	---	---	---	---	---	---	---	---	---
(11.38)	07/22/98	---	---	---	---	---	---	---	---	---	---
	12/22/98	NLPH	5.47	5.91	<50	81	<0.5	<0.5	<0.5	<0.5	---
	02/26/99	NLPH	5.35	6.03	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	05/18/99	NLPH	5.62	5.76	<50	61.6	<0.5	<0.5	<0.5	<0.5	---
	08/03/99	NLPH	6.32	5.06	<50	3.10	<0.5	<0.5	<0.5	<0.5	---
	12/03/99	NLPH	5.59	5.79	<50	<2	<0.5	<0.5	0.71	<0.5	---
	02/29/00	NLPH	4.70	6.68	<50	52	<0.5	<0.5	<0.5	<0.5	---
	05/18/00	NLPH	5.37	6.01	<50	65	<0.5	<0.5	<0.5	<0.5	---
	07/24/00	NLPH	5.65	5.73	<50	170	<0.5	<0.5	<0.5	<0.5	---
	10/09/00	NLPH	5.71	5.67	<50	170	<0.5	<0.5	<0.5	<0.5	---
	01/10/01	NLPH	4.30	7.08	<50	140	<0.5	<0.5	<0.5	<0.5	---
	04/10/01	NLPH	5.20	6.18	<50	50	<0.5	<0.5	<0.5	<0.5	---
	07/12/01	NLPH	--	--	<50	190	<0.5	<0.5	<0.5	<0.5	---
	08/17/01 e	--	--	--	--	--	--	--	--	--	---
	10/11/01	NLPH	5.82	5.56	<50	260	<0.5	<0.5	<0.5	<0.5	---
(11.38)	Nov-01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	5.12	6.26	<100	67.0 f	<1.00	<1.00	<1.00	<1.00	---
	04/12/02	NLPH	5.50	5.88	55.9	58.6	<0.50	<0.50	<0.50	<0.50	---
	07/12/02	NLPH	5.65	5.73	102	121	<0.5	<0.5	<0.5	<0.5	---
	10/11/02	NLPH	5.67	5.71	99.9	128/138 a	<0.5	<0.5	<0.5	<0.5	ND

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE	B	T	E	X	Oxygenates
		<	feet	>	<		µg/L				>
MW9F (cont.)	01/10/03	NLPH	5.09	6.29	<50.0	45.5	<0.5	<0.5	<0.5	<0.5	---
(11.38)	04/09/03	NLPH	5.39	5.99	<50.0	50.8	<0.50	<0.5	<0.5	<0.5	---
	07/22/03	NLPH	5.52	5.86	82.3	64.0	<0.50	<0.5	<0.5	<0.5	---
	10/01/03	NLPH	5.59	5.79	67.0	56.4a	<0.50	<0.5	<0.5	<0.5	ND
	01/06/04	**NLPH**	**5.21**	**6.17**	**<50.0**	**36.7a**	**<0.50**	**<0.5**	**<0.5**	**<0.5**	**13.7j**
MW9G	11/02/95	NLPH	5.92	4.03	<50	<10	<0.5	<0.5	<0.5	<0.5	---
(9.95)	04/26/96	NLPH	5.28	4.67	<50	18	<0.5	<0.5	<0.5	<0.5	---
	08/22/96	NLPH	5.57	4.38	<50	18	<0.5	<0.5	<0.5	<0.5	---
	02/24/97	NLPH	5.30	4.65	<50	240	<0.5	0.57	<0.5	0.62	---
	03/16/98	---	---	---	---	---	---	---	---	---	---
	04/21/98	---	---	---	---	---	---	---	---	---	---
(12.99)	07/22/98	---	---	---	---	---	---	---	---	---	---
	12/22/98	NLPH	5.28	7.71	<50	1,100	<0.5	<0.5	<0.5	<0.5	---
	02/26/99	NLPH	5.31	7.68	<50	50	<0.5	<0.5	<0.5	<0.5	---
	05/18/99	NLPH	5.18	7.81	<1,000	3,990	<10	<10	<10	<10	---
	08/03/99	NLPH	6.00	6.99	<50	1,340	<0.5	<0.5	<0.5	<0.5	---
	12/03/99	NLPH	5.27	7.72	<50	<2	<0.5	<0.5	<0.5	0.55 c	---
	02/29/00	NLPH	4.60	8.39	<50	7,900	<0.5	<0.5	<0.5	<0.5	---
	05/18/00	NLPH	5.16	7.83	<50	2,400	<0.5	<0.5	<0.5	<0.5	---
	07/24/00	NLPH	5.20	7.79	<50	1,000	<0.5	<0.5	<0.5	<0.5	---
	10/09/00	NLPH	5.26	7.73	<50	180	<0.5	<0.5	<0.5	<0.5	---
	01/10/01	NLPH	5.18	7.81	<50	1,200	<0.5	<0.5	<0.5	<0.5	---
	04/10/01	NLPH	5.08	7.91	<50	9,100	<0.5	<0.5	<0.5	<0.5	---
	07/12/01	NLPH	--	--	<50	3,000	<0.5	<0.5	<0.5	<0.5	---
	8/17/01 e	---	---	---	---	---	---	---	---	---	---
	10/11/01	NLPH	5.48	7.51	<50	1,600	<0.5	<0.5	<0.5	<0.5	---
(12.98)	Nov-01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	4.97	8.01	419 f	945 f	<0.50	<0.50	<0.50	<0.50	---
	04/12/02	NLPH	5.12	7.86	10,700	11,000	<0.50	<0.50	<0.50	<0.50	---
	07/12/02	NLPH	5.31	7.67	2,310	3,140	<0.5	<0.5	<0.5	<0.5	---
	10/11/02	NLPH	5.39	7.59	1,630	2,040/2,090 a	<0.5	<0.5	<0.5	<0.5	ND
	01/10/03	NLPH	4.90	8.08	367	566	<0.5	<0.5	<0.5	<0.5	---
	04/09/03	NLPH	5.15	7.83	3,730	3,990	<0.50	<0.5	<0.5	<0.5	---
	07/22/03	NLPH	5.30	7.68	1,070	968	<0.50	<0.5	<0.5	<0.5	---
	10/01/03	NLPH	5.41	7.57	1,300	1,570a	<0.50	<0.5	<0.5	<0.5	17.1j
	01/06/04	**NLPH**	**4.92**	**8.06**	**568**	**918a**	**<0.50**	**<0.5**	**<0.5**	**<0.5**	**367j**

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE	B	T	E	X	Oxygenates
		<	feet	>	<		µg/L				>
MW9H	11/02/95	NLPH	8.40	0.18	<50	<10	<0.5	<0.5	<0.5	<0.5	---
(8.58)	04/26/96	NLPH	8.05	0.53	---	---	---	---	---	---	---
	08/22/96	NLPH	8.17	0.41	---	---	---	---	---	---	---
	02/24/97	---	---	---	---	---	---	---	---	---	---
	03/16/98	---	---	---	---	---	---	--	---	---	---
	04/21/98	---	---	---	---	---	---	---	---	---	---
(11.61)	07/22/98	---	---	---	---	---	---	---	---	---	---
	12/22/98	NLPH	7.81	3.80	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	02/26/99	NLPH	7.61	4.00	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	05/18/99	NLPH	8.00	3.61	<50	3.98	<0.5	<0.5	<0.5	<0.5	---
	08/03/99	NLPH	6.05	5.56	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	12/03/99	NLPH	5.32	6.29	<50	<2	<0.5	<0.5	<0.5	0.57 c	---
	02/29/00	NLPH	7.10	4.51	<50	<2	<0.5	<0.5	<0.5	<0.5	---
	05/18/00	NLPH	7.84	3.77	<50	9.7	<0.5	<0.5	<0.5	<0.5	---
	07/24/00	NLPH	7.94	3.67	<50	17	<0.5	<0.5	<0.5	<0.5	---
	10/09/00	NLPH	8.09	3.52	<50	13	<0.5	<0.5	<0.5	1.1	---
	01/10/01	NLPH	7.89	3.72	<50	11	<0.5	<0.5	<0.5	0.5	---
	04/10/01	NLPH	8.71	2.90	<50	44	<0.5	0.78	0.52	2.36	---
	07/12/01	NLPH	--	--	<50	28	<0.5	<0.5	<0.5	<0.5	---
	8/17/01 e	---	---	---	---	---	---	---	---	---	---
	10/11/01	NLPH	8.15	3.46	<50	30	<0.5	<0.5	<0.5	<0.5	---
(11.59)	Nov-01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	7.48	4.11	<50.0	20.5 f	<0.50	<0.50	<0.50	<0.50	---
	04/12/02	NLPH	7.68	3.91	<50.0	32.8	<0.50	<0.50	<0.50	<0.50	---
	07/12/02	NLPH	8.06	3.53	<50.0	34.6	<0.5	<0.5	<0.5	<0.5	---
	10/11/02	NLPH	7.83	3.76	<50.0	33.1/28.7 a	<0.5	<0.5	<0.5	<0.5	ND
	01/10/03	NLPH	7.39	4.20	<50.0	16.0	0.5	0.8	0.6	1.8	---
	04/09/03	NLPH	7.69	3.90	<50.0	26.8	<0.50	<0.5	<0.5	<0.5	---
	07/22/03	NLPH	7.94	3.65	55.3	34.7	<0.50	<0.5	<0.5	<0.5	---
	10/01/03	NLPH	7.93	3.66	<50.0	32.3a	<0.50	<0.5	<0.5	0.9	ND
	01/06/04	**NLPH**	**7.27**	**4.32**	**<50.0**	**10a**	**<0.50**	**<0.5**	**<0.5**	**<0.5**	**ND**

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE	B	T	E	X	Oxygenates
		<	feet	>	<		µg/L				>
MW9I	11/02/95	NLPH	6.04	4.07	<50	<10	<0.5	<0.5	<0.5	<0.5	---
(10.11)	04/26/96	NLPH	5.27	4.84	<50	99	<0.5	<0.5	<0.5	<0.5	---
	08/22/96	NLPH	5.66	4.45	<50	170	<0.5	<0.5	<0.5	<0.5	---
	02/24/97	NLPH	5.24	4.87	120	9,100	<0.5	<0.5	<0.5	<0.5	---
	03/16/98	NLPH	4.91	5.20	<200	59,000	13	<2.0	<2.0	<2.0	---
	04/21/98	NLPH	5.08	5.03	<500	59,000	<5.0	<5.0	<5.0	<5.0	---
(13.14)	07/22/98	NLPH	5.44	7.70	<500	62,000	<5.0	<5.0	<5.0	<5.0	---
	12/22/98	NLPH	5.32	7.82	200	51,000	1.7	<0.5	<0.5	<0.5	---
	02/26/99	NLPH	4.71	8.43	<500	9,700	<5.0	<5.0	<5.0	<5.0	---
	05/18/99	NLPH	5.30	7.84	<1,000	3,730	<10	<10	<10	<10	---
	08/03/99	NLPH	5.98	7.16	<50	21,900	<0.5	0.650	<0.5	<0.5	---
	12/03/99	NLPH	5.31	7.83	<250	2,000	3.9	2.9	<2.5	14	---
	02/29/00	NLPH	4.20	8.94	50	16,000	0.74	<0.5	<0.5	<0.5	---
	05/18/00	NLPH	5.12	8.02	<50	2,900	<0.5	<0.5	<0.5	<0.5	---
	07/24/00	NLPH	5.41	7.73	<250	43,000	<2.5	<2.5	<2.5	<2.5	---
	10/09/00	NLPH	5.41	7.73	<2,500	54,000	1.6	<0.5	<0.5	<0.5	---
	01/10/01	NLPH	5.24	7.90	<250	36,000	<2.5	<2.5	<2.5	<2.5	---
	04/10/01	NLPH	4.84	8.30	<50	4,800	<0.5	<0.5	<0.5	<0.5	---
	07/12/01	NLPH	---	---	<50	8,400	<0.5	<0.5	<0.5	<0.5	---
	08/17/01	---	6.49	6.65	---	---	---	---	---	---	---
	10/11/01	NLPH	5.64	7.50	<250	38,000	<2.5	<2.5	<2.5	<2.5	---
(13.13)	Nov-01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	4.80	8.33	1,330 f	5,400 f	4.80 f	<0.50	<0.50	<0.50	---
	04/12/02	NLPH	5.22	7.91	1,460	1,480	<0.50	<0.50	<0.50	<0.50	---
	07/12/02	NLPH	5.50	7.63	4,460	6,490	<0.5	<0.5	<0.5	<0.5	---
	10/11/02	NLPH	5.35	7.78	31,300	37,700/51,000 a	<5.0	<5.0	<5.0	<5.0	24.1 h
	01/10/03	NLPH	4.75	8.38	4,820	6,180	9.4	0.7	1.1	1.3	---
	04/09/03	NLPH	5.15	7.98	2,130	1,510	22.3	1.9	1.5	1.5	---
	07/22/03	NLPH	5.50	7.63	2,330	2,540	1.60	<0.5	<0.5	<0.5	---
	10/01/03	NLPH	5.65	7.48	6,080	4,610a	1.00	<0.5	<0.5	<0.5	1.50h, 30,300j
	01/06/04	**NLPH**	**4.50**	**8.63**	**175**	**61.3a**	**0.90**	**<0.5**	**0.5**	**<0.5**	**377j**

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Notes:

SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in well.
TOC	=	Elevation of top of well casing; relative to mean sea level.
DTW	=	Depth to water.
Elev.	=	Elevation of groundwater surface; relative to mean sea level.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
Oxygenates	=	1,2-dibromoethane, 1,2-dichloroethane, di-isopropyl ether, tertiary butyl alcohol, tertiary amyl methyl ether, and tertiary butyl ethyl ether analyzed using EPA Method 8260B.
<	=	Less than the indicated reporting limit shown by the laboratory.
ND	=	Not detected at or above the laboratory reporting limit. See laboratory analytical report for specific reporting limits.
---	=	Not measured or sampled.
µg/L	=	Micrograms per liter.
a	=	MTBE analyzed using EPA Method 8260B.
b	=	Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 5/27/99.
c	=	Analyte detected in the trip blank and/or bailer blank.
d	=	Due to measurement error during initial sampling event, DTW was re-measured on August 17, 2001. No samples were taken.
e	=	Well inaccessible due to uncontrollable traffic conditions.
f	=	Samples collected after fourth quarter 2001 analyzed by TestAmerica Incorporated. Reported concentrations may be affected by differing laboratory quantitation methods.
g	=	Sample erroneously labeled MA9B on Chain-of-Custody form and laboratory report.
h	=	Tertiary amyl methyl ether.
i	=	Insufficient sample volume to perform oxygenate analyses.
j	=	Tertiary butyl alcohol.
k	=	Ethyl tertiary butyl ether.

TABLE 2
OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

DATE	FIELD MEASUREMENTS								LABORATORY ANALYTICAL RESULTS			TPHg Removal		MTBE Removal		Benzene Removal		Destruction Efficiency	Benzene Emission
	System Hours	Temp deg F	Vacuum "H2O	Pressure "H2O	Flow (fpm)	Flow scfm	Sample I.D.	PID ppmv	TPHg	Benzene	MTBE	Period	Cumulative	Period	Cumulative	Period	Cumulative	%	lb/day
									<----------mg/cu M---------->			<----------Pounds---------->							
03/01/04	System start up. Running on departure.																		
03/01/04	4	70	27.5	1.0	350	23.15	A-INF	4,389											
							A-EFF	26.1											
03/08/04	4	70	25.0	1.0	600	39.68	A-INF	> 10,000	4,000	37	200	2.37	2.37	0.12	0.12	0.02	0.02	99.43	0.002
							A-EFF	25.9	23	0.50	< 0.50								

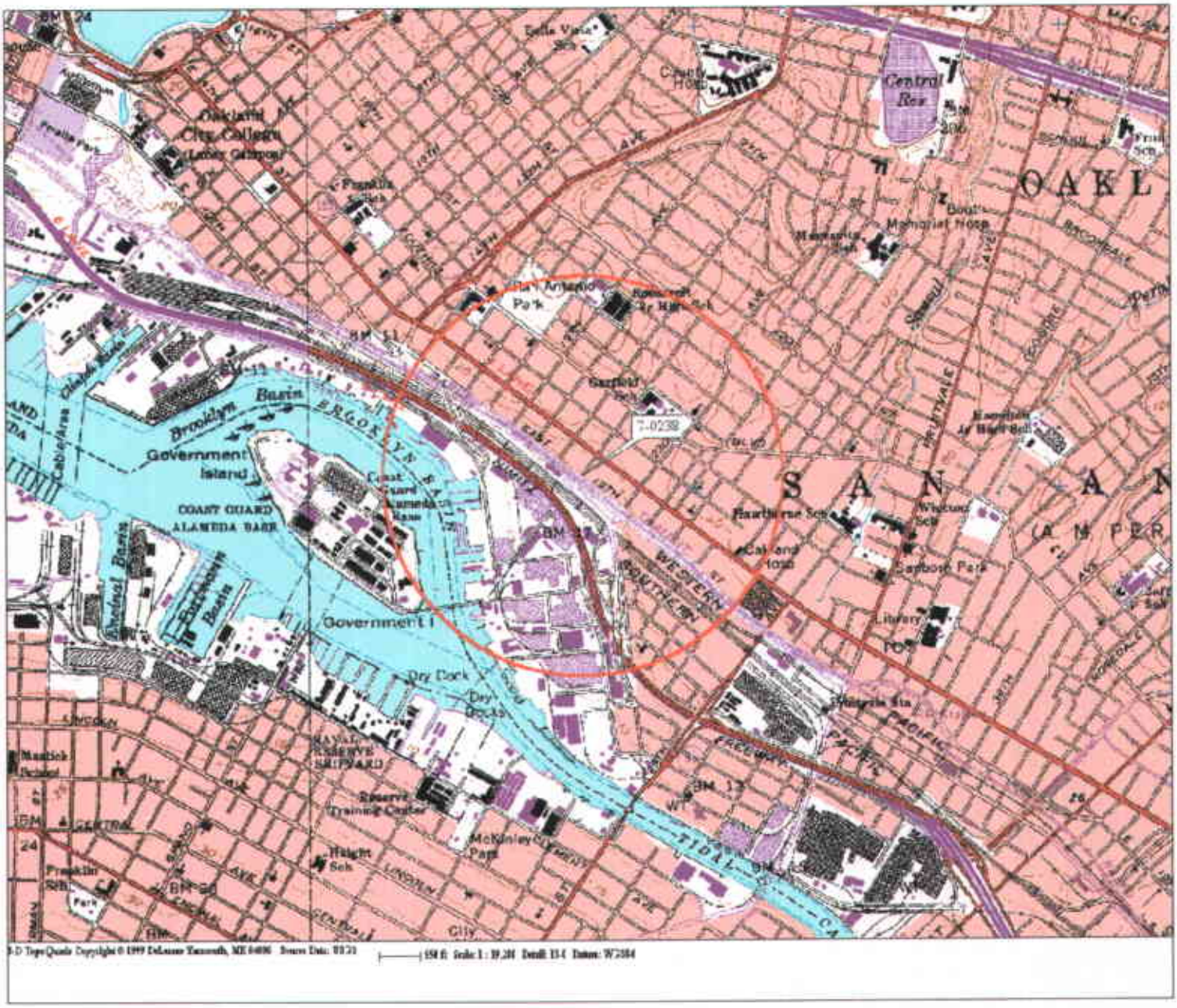
Notes:

A-INF	=	Influent vapor sample.
A-EFF	=	Effluent vapor sample.
acfm	=	Actual cubic feet per minute.
scfm	=	Standard cubic feet per minute.
ppmv	=	Parts per million by volume.
NM	=	Not measured.
NA	=	Not applicable.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
Benzene	=	Benzene analyzed using EPA Method 8021B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.

TABLE 3
OPERATION AND PERFORMANCE DATA
FOR GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Date	System Hours (hrs)	Eff. Totalizer Reading [gal]	Average Flowrate [gpm]	Total Flow (gal)	Sample I.D.	Laboratory Analytical Results TPHg	TPHd	B	T	E	X	MTBE	TPHg Removed Per Period	TPHg Removed Cumulative	Benzene Removed Per Period	Benzene Removed Cumulative	MTBE Removed Per Period	MTBE Removed Cumulative
						<.....ug/L.....>							<.....Pounds.....>					
01/15/04	1	0	0.00	0	W-INF	82	78	< 5.0	< 5.0	< 5.0	< 5.0	160	0.00	0.00	0.00	0.00	0.00	0.00
					W-INT1	< 50	< 47	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INT2	< 50	53	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					PSP-1	< 50	62	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
03/01/04	6	0	0.00	0	W-INF	4,100	580	< 25	< 25	47	36	2,800	0.00	0.00	0.00	0.00	0.00	0.00
					W-INT1	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					PSP-1	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
03/08/04	168	11,610	1.15	11,610	W-INF	< 2,500	260	< 25	< 25	< 25	30	2,100	< 0.32	< 0.32	0.00	0.00	0.24	0.24
					W-INT1	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2	< 50	59	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					PSP-1	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						

Notes:
W-INF = Water influent combined.
W-INT1 = Water intermediate after first carbon vessel.
W-INT2 = Water intermediate after second carbon vessel.
PSP-1 = Water effluent.
< = Less than the laboratory method reporting limit.
TPHg = Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015m.
TPHd = Total petroleum hydrocarbons as diesel analyzed using modified EPA Method 8015m.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8021B.
µg/L = Micrograms per liter.
NM = Not measured.
--- = Not analyzed.
* If value is below laboratory reporting limit, then reporting limit value is used for removal calculations.
** Indicates the concentrations of identifiable analytes are below the laboratory detection limit unless otherwised noted.



FN 2293TOPO

EXPLANATION

1/2-mile radius circle

N

APPROXIMATE SCALE

0 0.5 1 mile

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

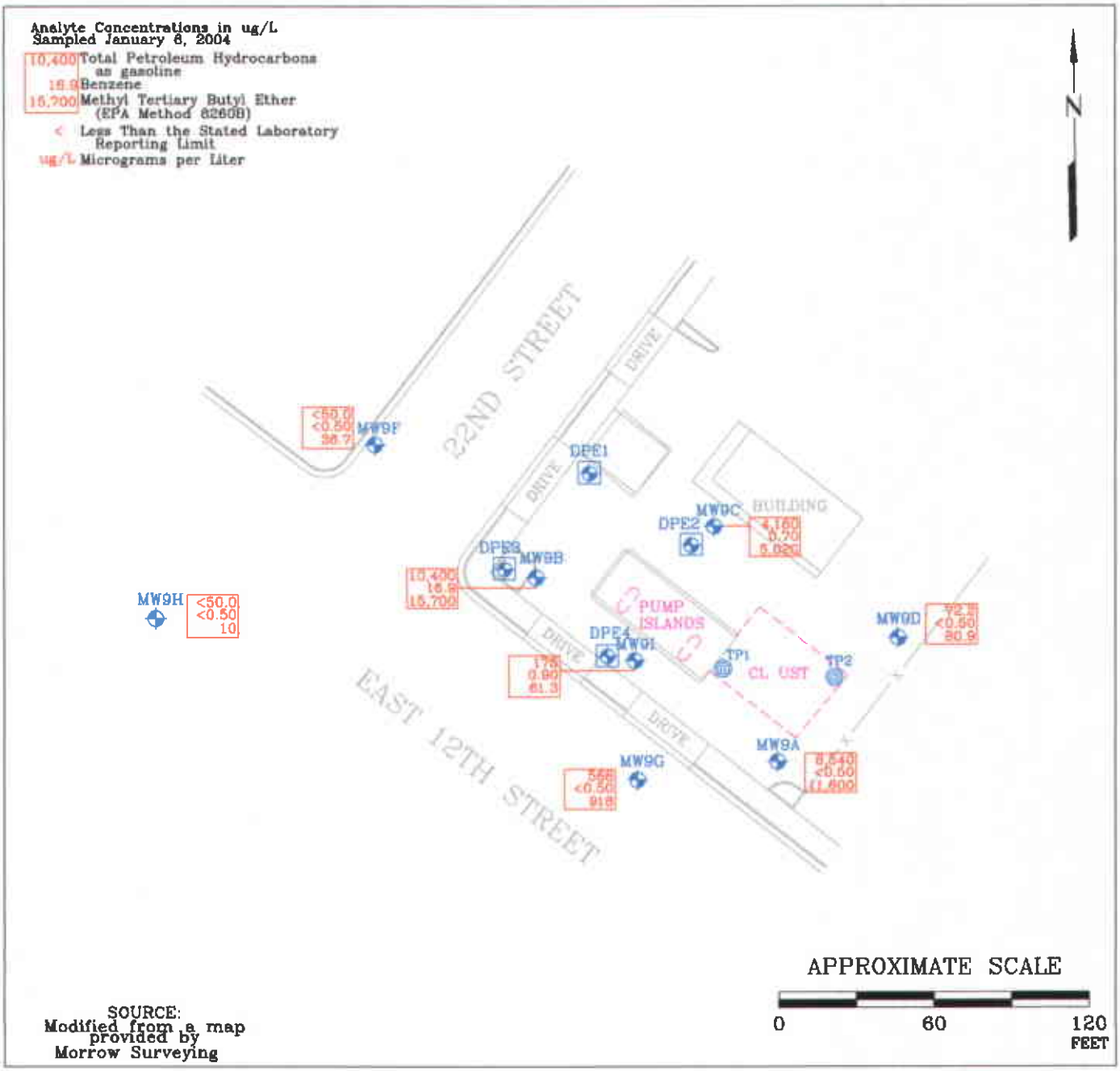
ENVIRONMENTAL RESOLUTIONS, INC.

SITE VICINITY MAP

FORMER EXXON SERVICE STATION 7-0238
2200 East 12th Street
Oakland, California

PROJECT NO. 2293

PLATE 1



SOURCE:
Modified from a map provided by Morrow Surveying

FN: 22930005_QM

EXPLANATION

MW9I
Groundwater Monitoring Well

DPE4
Dual-Phase Extraction Well

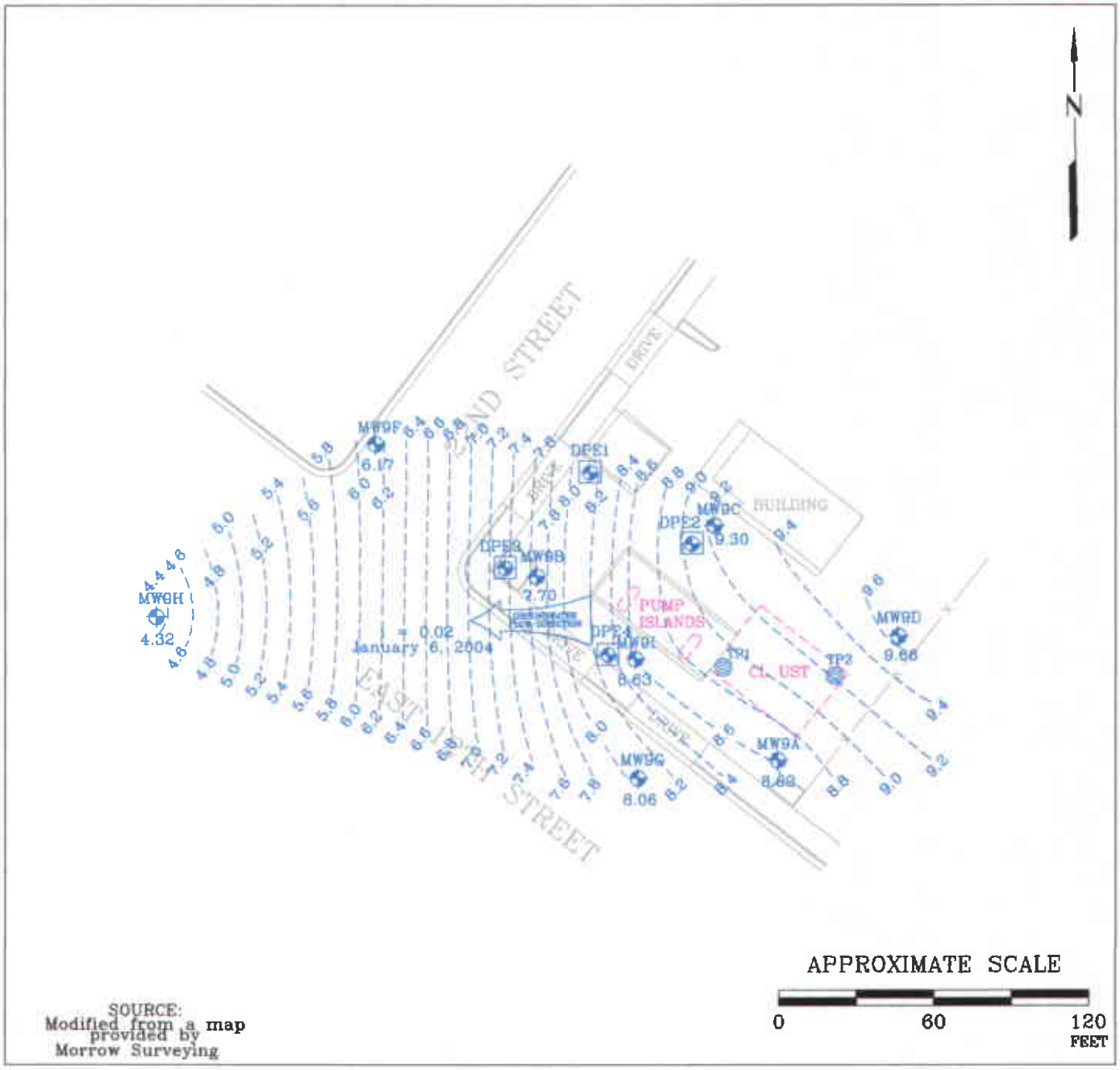
ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

FORMER EXXON SERVICE STATION 7-0238
2200 East 12th Street
Oakland, California

PROJECT NO.
2293

PLATE
2



SOURCE: Modified from a map provided by Morrow Surveying

FN: 22930005_QM

EXPLANATION

MW9I
Groundwater Monitoring Well

8.63 Groundwater elevation in feet; datum is mean sea level

DPE4
Dual-Phase Extraction Well

i = Interpreted Hydraulic Gradient

9.6 — — — Line of Equal Groundwater Elevation; datum is mean sea level

ENVIRONMENTAL RESOLUTIONS, INC.

GROUNDWATER ELEVATION MAP
January 6, 2004
FORMER EXXON SERVICE STATION 7-0238
2200 East 12th Street
Oakland, California

PROJECT NO. 2293

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

LABORATORY ANALYSIS REPORT AND CHAIN-OF-CUSTODY RECORD

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1/15/04 CASE NARRATIVE

ERI - NORTHERN CA 3876
ROB SAUR
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 7-0238
Project Number: 229313X.
Laboratory Project Number: 359910.

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
MW9A	04-A1910	1/ 6/04
MW9B	04-A1911	1/ 6/04
MW9C	04-A1912	1/ 6/04
MW9D	04-A1913	1/ 6/04
MW9F	04-A1914	1/ 6/04
MW9G	04-A1915	1/ 6/04
MW9H	04-A1916	1/ 6/04
MW9I	04-A1917	1/ 6/04

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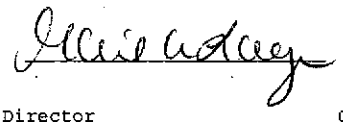
Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:  Report Date: 1/15/04

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
ROB SAUR
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 04-A1910
Sample ID: MW9A
Sample Type: Water
Site ID: 7-0238

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: DAVID MADDAN

Date Collected: 1/ 6/04
Time Collected: 14:48
Date Received: 1/ 8/04
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	1/ 9/04	3:36	D.Ramey	8021B	3054
Ethylbenzene	ND	ug/L	0.5	1.0	1/ 9/04	3:36	D.Ramey	8021B	3054
Toluene	ND	ug/L	0.5	1.0	1/ 9/04	3:36	D.Ramey	8021B	3054
Xylenes (Total)	ND	ug/L	0.5	1.0	1/ 9/04	3:36	D.Ramey	8021B	3054
TPH (Gasoline Range)	8540	ug/L	500.	10.0	1/ 9/04	14:49	D.Ramey	8015B	5319
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/L	0.50	1.0	1/ 9/04	22:41	S. Roberts	8260B	4658
tert-amyl methyl ether	4.90	ug/L	0.50	1.0	1/ 9/04	22:41	S. Roberts	8260B	4658
Tertiary butyl alcohol	11900	ug/L	1000	100.	1/10/04	19:53	S. Roberts	8260B	5422
1,2-Dibromoethane	ND	ug/L	0.50	1.0	1/ 9/04	22:41	S. Roberts	8260B	4658
1,2-Dichloroethane	ND	ug/L	0.50	1.0	1/ 9/04	22:41	S. Roberts	8260B	4658
Methyl-t-butyl ether	11600	ug/L	50.0	100.	1/10/04	19:53	S. Roberts	8260B	5422
Diisopropyl ether	ND	ug/L	0.50	1.0	1/ 9/04	22:41	S. Roberts	8260B	4658

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	102.	70. - 124.
VOA Surr 1,2-DCA-d4	84.	71. - 128.
VOA Surr Toluene-d8	94.	77. - 119.
VOA Surr, 4-BFB	96.	79. - 123.
VOA Surr, DBFM	85.	78. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A1910
Sample ID: MW9A
Project: 229313X

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
ROB SAUR
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: DAVID MADDAN

Lab Number: 04-A1911
Sample ID: MW9B
Sample Type: Water
Site ID: 7-0238

Date Collected: 1/ 6/04
Time Collected: 15:12
Date Received: 1/ 8/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	16.9	ug/L	0.50	1.0	1/ 9/04	4:07	D.Ramey	8021B	3054
Ethylbenzene	18.6	ug/L	0.5	1.0	1/ 9/04	4:07	D.Ramey	8021B	3054
Toluene	1.8	ug/L	0.5	1.0	1/ 9/04	4:07	D.Ramey	8021B	3054
Xylenes (Total)	1.7	ug/L	0.5	1.0	1/ 9/04	4:07	D.Ramey	8021B	3054
TPH (Gasoline Range)	10400	ug/L	500.	10.0	1/ 9/04	15:19	D.Ramey	8015B	5319
VOLATILE ORGANICS									
Ethyl-t-butylether	0.80	ug/L	0.50	1.0	1/ 9/04	23:12	S. Roberts	8260B	4658
tert-amyl methyl ether	9.00	ug/L	0.50	1.0	1/ 9/04	23:12	S. Roberts	8260B	4658
Tertiary butyl alcohol	11500	ug/L	1000	100.	1/10/04	20:25	S. Roberts	8260B	5422
1,2-Dibromoethane	ND	ug/L	0.50	1.0	1/ 9/04	23:12	S. Roberts	8260B	4658
1,2-Dichloroethane	ND	ug/L	0.50	1.0	1/ 9/04	23:12	S. Roberts	8260B	4658
Methyl-t-butyl ether	15700	ug/L	50.0	100.	1/10/04	20:25	S. Roberts	8260B	5422
Diisopropyl ether	ND	ug/L	0.50	1.0	1/ 9/04	23:12	S. Roberts	8260B	4658

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	96.	70. - 124.
VOA Surr 1,2-DCA-d4	84.	71. - 128.
VOA Surr Toluene-d8	93.	77. - 119.
VOA Surr, 4-BFB	97.	79. - 123.
VOA Surr, DBFM	87.	78. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A1911
Sample ID: MW9B
Project: 229313X

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
ROB SAUR
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: DAVID MADDAN

Lab Number: 04-A1912
Sample ID: MW9C
Sample Type: Water
Site ID: 7-0238

Date Collected: 1/ 6/04
Time Collected: 15:00
Date Received: 1/ 8/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	0.70	ug/L	0.50	1.0	1/ 9/04	4:37	D.Ramey	8021B	3054
Ethylbenzene	ND	ug/L	0.5	1.0	1/ 9/04	4:37	D.Ramey	8021B	3054
Toluene	ND	ug/L	0.5	1.0	1/ 9/04	4:37	D.Ramey	8021B	3054
Xylenes (Total)	ND	ug/L	0.5	1.0	1/ 9/04	4:37	D.Ramey	8021B	3054
TPH (Gasoline Range)	4160	ug/L	250.	5.0	1/ 9/04	15:50	D.Ramey	8015B	5319
VOLATILE ORGANICS									
Ethyl-t-butylether	0.80	ug/L	0.50	1.0	1/ 9/04	23:44	S. Roberts	8260B	4658
tert-amyl methyl ether	2.50	ug/L	0.50	1.0	1/ 9/04	23:44	S. Roberts	8260B	4658
Tertiary butyl alcohol	90700	ug/L	1000	100.	1/10/04	20:56	S. Roberts	8260B	5422
1,2-Dibromoethane	ND	ug/L	0.50	1.0	1/ 9/04	23:44	S. Roberts	8260B	4658
1,2-Dichloroethane	ND	ug/L	0.50	1.0	1/ 9/04	23:44	S. Roberts	8260B	4658
Methyl-t-butyl ether	5020	ug/L	50.0	100.	1/10/04	20:56	S. Roberts	8260B	5422
Diisopropyl ether	ND	ug/L	0.50	1.0	1/ 9/04	23:44	S. Roberts	8260B	4658

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	100.	70. - 124.
VOA Surr 1,2-DCA-d4	85.	71. - 128.
VOA Surr Toluene-d8	93.	77. - 119.
VOA Surr, 4-BFB	97.	79. - 123.
VOA Surr, DBFM	87.	78. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A1912
Sample ID: MW9C
Project: 229313X

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
ROB SAUR
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: DAVID MADDAN

Lab Number: 04-A1913
Sample ID: MW9D
Sample Type: Water
Site ID: 7-0238

Date Collected: 1/ 6/04
Time Collected: 14:12
Date Received: 1/ 8/04
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	1/ 9/04	5:08	D.Ramey	8021B	3054
Ethylbenzene	ND	ug/L	0.5	1.0	1/ 9/04	5:08	D.Ramey	8021B	3054
Toluene	ND	ug/L	0.5	1.0	1/ 9/04	5:08	D.Ramey	8021B	3054
Xylenes (Total)	ND	ug/L	0.5	1.0	1/ 9/04	5:08	D.Ramey	8021B	3054
TPH (Gasoline Range)	72.2	ug/L	50.0	1.0	1/ 9/04	5:08	D.Ramey	8015B	3054
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/L	0.50	1.0	1/10/04	0:16	S. Roberts	8260B	4658
tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/10/04	0:16	S. Roberts	8260B	4658
Tertiary butyl alcohol	51.8	ug/L	10.0	1.0	1/10/04	0:16	S. Roberts	8260B	4658
1,2-Dibromoethane	ND	ug/L	0.50	1.0	1/10/04	0:16	S. Roberts	8260B	4658
1,2-Dichloroethane	ND	ug/L	0.50	1.0	1/10/04	0:16	S. Roberts	8260B	4658
Methyl-t-butyl ether	80.9	ug/L	0.50	1.0	1/10/04	0:16	S. Roberts	8260B	4658
Diisopropyl ether	ND	ug/L	0.50	1.0	1/10/04	0:16	S. Roberts	8260B	4658

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	101.	70. - 124.
VOA Surr 1,2-DCA-d4	87.	71. - 128.
VOA Surr Toluene-d8	93.	77. - 119.
VOA Surr, 4-BFB	95.	79. - 123.
VOA Surr, DBFM	87.	78. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A1913
Sample ID: MW9D
Project: 229313X

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
ROB SAUR
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: DAVID MADDAN

Lab Number: 04-A1914
Sample ID: MW9F
Sample Type: Water
Site ID: 7-0238

Date Collected: 1/ 6/04
Time Collected: 11:54
Date Received: 1/ 8/04
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	1/ 9/04	5:39	D.Ramey	8021B	3054
Ethylbenzene	ND	ug/L	0.5	1.0	1/ 9/04	5:39	D.Ramey	8021B	3054
Toluene	ND	ug/L	0.5	1.0	1/ 9/04	5:39	D.Ramey	8021B	3054
Xylenes (Total)	ND	ug/L	0.5	1.0	1/ 9/04	5:39	D.Ramey	8021B	3054
TPH (Gasoline Range)	ND	ug/L	50.0	1.0	1/ 9/04	5:39	D.Ramey	8015B	3054
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/L	0.50	1.0	1/10/04	0:47	S. Roberts	8260B	4658
tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/10/04	0:47	S. Roberts	8260B	4658
Tertiary butyl alcohol	13.7	ug/L	10.0	1.0	1/10/04	0:47	S. Roberts	8260B	4658
1,2-Dibromoethane	ND	ug/L	0.50	1.0	1/10/04	0:47	S. Roberts	8260B	4658
1,2-Dichloroethane	ND	ug/L	0.50	1.0	1/10/04	0:47	S. Roberts	8260B	4658
Methyl-t-butyl ether	36.7	ug/L	0.50	1.0	1/10/04	0:47	S. Roberts	8260B	4658
Diisopropyl ether	ND	ug/L	0.50	1.0	1/10/04	0:47	S. Roberts	8260B	4658

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	102.	70. - 124.
VOA Surr 1,2-DCA-d4	89.	71. - 128.
VOA Surr Toluene-d8	92.	77. - 119.
VOA Surr, 4-BFB	97.	79. - 123.
VOA Surr, DBFM	89.	78. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A1914
Sample ID: MW9F
Project: 229313X

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
ROB SAUR
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: DAVID MADDAN

Lab Number: 04-A1915
Sample ID: MW9G
Sample Type: Water
Site ID: 7-0238

Date Collected: 1/ 6/04
Time Collected: 12:34
Date Received: 1/ 8/04
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	1/13/04	21:10	H. Wagner	8021B	6127
Ethylbenzene	ND	ug/L	0.5	1.0	1/13/04	21:10	H. Wagner	8021B	6127
Toluene	ND	ug/L	0.5	1.0	1/13/04	21:10	H. Wagner	8021B	6127
Xylenes (Total)	ND	ug/L	0.5	1.0	1/13/04	21:10	H. Wagner	8021B	6127
TPH (Gasoline Range)	568.	ug/L	50.0	1.0	1/13/04	21:10	H. Wagner	8015B	6127
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/L	0.50	1.0	1/10/04	1:19	S. Roberts	8260B	4658
tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/10/04	1:19	S. Roberts	8260B	4658
Tertiary butyl alcohol	367.	ug/L	10.0	1.0	1/10/04	1:19	S. Roberts	8260B	4658
1,2-Dibromoethane	ND	ug/L	0.50	1.0	1/10/04	1:19	S. Roberts	8260B	4658
1,2-Dichloroethane	ND	ug/L	0.50	1.0	1/10/04	1:19	S. Roberts	8260B	4658
Methyl-t-butyl ether	918.	ug/L	5.00	10.0	1/14/04	5:56	C. Spry	8260B	7764
Diisopropyl ether	ND	ug/L	0.50	1.0	1/10/04	1:19	S. Roberts	8260B	4658

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	102.	70. - 124.
VOA Surr 1,2-DCA-d4	95.	71. - 128.
VOA Surr Toluene-d8	96.	77. - 119.
VOA Surr, 4-BFB	100.	79. - 123.
VOA Surr, DBFM	95.	78. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A1915
Sample ID: MW9G
Project: 229313X

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
ROB SAUR
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 04-A1916
Sample ID: MW9H
Sample Type: Water
Site ID: 7-0238

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: DAVID MADDAN

Date Collected: 1/ 6/04
Time Collected: 11:05
Date Received: 1/ 8/04
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	1/13/04	21:41	H. Wagner	8021B	6127
Ethylbenzene	ND	ug/L	0.5	1.0	1/13/04	21:41	H. Wagner	8021B	6127
Toluene	ND	ug/L	0.5	1.0	1/13/04	21:41	H. Wagner	8021B	6127
Xylenes (Total)	ND	ug/L	0.5	1.0	1/13/04	21:41	H. Wagner	8021B	6127
TPH (Gasoline Range)	ND	ug/L	50.0	1.0	1/13/04	21:41	H. Wagner	8015B	6127
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/L	0.50	1.0	1/10/04	19:22	S. Roberts	8260B	5422
tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/10/04	19:22	S. Roberts	8260B	5422
Tertiary butyl alcohol	ND	ug/L	10.0	1.0	1/10/04	19:22	S. Roberts	8260B	5422
1,2-Dibromoethane	ND	ug/L	0.50	1.0	1/10/04	19:22	S. Roberts	8260B	5422
1,2-Dichloroethane	ND	ug/L	0.50	1.0	1/10/04	19:22	S. Roberts	8260B	5422
Methyl-t-butyl ether	10.0	ug/L	0.50	1.0	1/10/04	19:22	S. Roberts	8260B	5422
Diisopropyl ether	ND	ug/L	0.50	1.0	1/10/04	19:22	S. Roberts	8260B	5422

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	102.	70. - 124.
VOA Surr 1,2-DCA-d4	85.	71. - 128.
VOA Surr Toluene-d8	92.	77. - 119.
VOA Surr, 4-BFB	95.	79. - 123.
VOA Surr, DBFM	86.	78. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A1916
Sample ID: MW9H
Project: 229313X

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
ROB SAUR
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: DAVID MADDAN

Lab Number: 04-A1917
Sample ID: MW9I
Sample Type: Water
Site ID: 7-0238

Date Collected: 1/ 6/04
Time Collected: 14:35
Date Received: 1/ 8/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	0.90	ug/L	0.50	1.0	1/13/04	22:12	H. Wagner	8021B	6127
Ethylbenzene	0.5	ug/L	0.5	1.0	1/13/04	22:12	H. Wagner	8021B	6127
Toluene	ND	ug/L	0.5	1.0	1/13/04	22:12	H. Wagner	8021B	6127
Xylenes (Total)	ND	ug/L	0.5	1.0	1/13/04	22:12	H. Wagner	8021B	6127
TPH (Gasoline Range)	175.	ug/L	50.0	1.0	1/13/04	22:12	H. Wagner	8015B	6127
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/L	0.50	1.0	1/10/04	2:22	S. Roberts	8260B	4658
tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/10/04	2:22	S. Roberts	8260B	4658
Tertiary butyl alcohol	377.	ug/L	10.0	1.0	1/10/04	2:22	S. Roberts	8260B	4658
1,2-Dibromoethane	ND	ug/L	0.50	1.0	1/10/04	2:22	S. Roberts	8260B	4658
1,2-Dichloroethane	ND	ug/L	0.50	1.0	1/10/04	2:22	S. Roberts	8260B	4658
Methyl-t-butyl ether	61.3	ug/L	0.50	1.0	1/10/04	2:22	S. Roberts	8260B	4658
Diisopropyl ether	ND	ug/L	0.50	1.0	1/10/04	2:22	S. Roberts	8260B	4658

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	106.	70. - 124.
VOA Surr 1,2-DCA-d4	86.	71. - 128.
VOA Surr Toluene-d8	93.	77. - 119.
VOA Surr, 4-BFB	99.	79. - 123.
VOA Surr, DBFM	88.	78. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A1917
Sample ID: MW9I
Project: 229313X

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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PROJECT QUALITY CONTROL DATA
Project Number: 229313X
Project Name: EXXONMOBIL 7-0238
Page: 1
Laboratory Receipt Date: 1/ 8/04

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	< 0.00050	0.0542	0.0500	108	53. - 159.	3054	04-A1914
Benzene	mg/l	< 0.00050	0.0551	0.0500	110	53. - 159.	6127	04-A2736
Toluene	mg/l	< 0.0005	0.0548	0.0500	110	54. - 156.	3054	04-A1914
Toluene	mg/l	< 0.0005	0.0551	0.0500	110	54. - 156.	6127	04-A2736
Ethylbenzene	mg/l	< 0.0005	0.0542	0.0500	108	50. - 159.	3054	04-A1914
Ethylbenzene	mg/l	< 0.0005	0.0561	0.0500	112	50. - 159.	6127	04-A2736
Xylenes (Total)	mg/l	< 0.0005	0.109	0.100	109	53. - 151.	3054	04-A1914
Xylenes (Total)	mg/l	< 0.0005	0.108	0.100	108	53. - 151.	6127	04-A2736
TPH (Gasoline Range)	mg/l	< 0.0500	1.07	1.00	107	70. - 157.	3054	04-A1914
TPH (Gasoline Range)	mg/l	< 0.0500	0.986	1.00	99	70. - 157.	6127	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				101	70 - 124	3054	
BTEX/GRO Surr., a,a,a-TFT	% Recovery				101	70 - 124	6127	
VOA Surr 1,2-DCA-d4	% Rec				88	71 - 128	4658	
VOA Surr 1,2-DCA-d4	% Rec				91	71 - 128	5422	
VOA Surr 1,2-DCA-d4	% Rec				86	71 - 128	7764	
VOA Surr Toluene-d8	% Rec				96	77 - 119	4658	
VOA Surr Toluene-d8	% Rec				97	77 - 119	5422	
VOA Surr Toluene-d8	% Rec				93	77 - 119	7764	
VOA Surr, 4-BFB	% Rec				94	79 - 123	4658	
VOA Surr, 4-BFB	% Rec				95	79 - 123	5422	
VOA Surr, 4-BFB	% Rec				94	79 - 123	7764	
VOA Surr, DBFM	% Rec				96	78 - 124	4658	
VOA Surr, DBFM	% Rec				93	78 - 124	5422	
VOA Surr, DBFM	% Rec				92	78 - 124	7764	

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 229313X
Project Name: EXXONMOBIL 7-0238
Page: 2
Laboratory Receipt Date: 1/ 8/04

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.0542	0.0526	3.00	21.	3054
Benzene	mg/l	0.0551	0.0597	8.01	21.	6127
Toluene	mg/l	0.0548	0.0531	3.15	25.	3054
Toluene	mg/l	0.0551	0.0594	7.51	25.	6127
Ethylbenzene	mg/l	0.0542	0.0527	2.81	25.	3054
Ethylbenzene	mg/l	0.0561	0.0606	7.71	25.	6127
Xylenes (Total)	mg/l	0.109	0.105	3.74	24.	3054
Xylenes (Total)	mg/l	0.108	0.115	6.28	24.	6127
TPH (Gasoline Range)	mg/l	1.07	1.00	6.76	24.	3054
TPH (Gasoline Range)	mg/l	0.986	0.906	8.46	24.	6127
BTEX/GRO Surr., a,a,a-TFT	% Recovery		101.			3054
BTEX/GRO Surr., a,a,a-TFT	% Recovery		101.			6127
VOA Surr 1,2-DCA-d4	% Rec		89.			4658
VOA Surr 1,2-DCA-d4	% Rec		90.			5422
VOA Surr 1,2-DCA-d4	% Rec		87.			7764
VOA Surr Toluene-d8	% Rec		96.			4658
VOA Surr Toluene-d8	% Rec		95.			5422
VOA Surr Toluene-d8	% Rec		93.			7764
VOA Surr, 4-BFB	% Rec		96.			4658
VOA Surr, 4-BFB	% Rec		94.			5422
VOA Surr, 4-BFB	% Rec		94.			7764
VOA Surr, DBFM	% Rec		94.			4658
VOA Surr, DBFM	% Rec		93.			5422
VOA Surr, DBFM	% Rec		92.			7764

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 229313X
Project Name: EXXONMOBIL 7-0238

Laboratory Receipt Date: 1/ 8/04

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.100	0.0919	92	76 - 118	3054
Benzene	mg/l	0.100	0.0894	89	76 - 118	6127
Toluene	mg/l	0.100	0.0925	92	72 - 119	3054
Toluene	mg/l	0.100	0.0884	88	72 - 119	6127
Ethylbenzene	mg/l	0.100	0.0914	91	72 - 119	3054
Ethylbenzene	mg/l	0.100	0.0892	89	72 - 119	6127
Xylenes (Total)	mg/l	0.200	0.188	94	71 - 123	3054
Xylenes (Total)	mg/l	0.200	0.176	88	71 - 123	6127
TPH (Gasoline Range)	mg/l	1.00	1.07	107	72 - 122	3054
TPH (Gasoline Range)	mg/l	1.00	1.00	100	72 - 122	5319
TPH (Gasoline Range)	mg/l	1.00	0.986	99	72 - 122	6127
BTEX/GRO Surr., a,a,a-TFT	% Recovery			99	70 - 124	3054
BTEX/GRO Surr., a,a,a-TFT	% Recovery			98	70 - 124	5319
BTEX/GRO Surr., a,a,a-TFT	% Recovery			100	70 - 124	6127
VOA PARAMETERS						
Ethyl-t-butylether	mg/l	0.0500	0.0635	127 #	72 - 127	4658
Ethyl-t-butylether	mg/l	0.0500	0.0420	84	72 - 127	5422
tert-amyl methyl ether	mg/L	0.0500	0.0695	139 #	61 - 129	4658
tert-amyl methyl ether	mg/L	0.0500	0.0488	98	61 - 129	5422
Tertiary butyl alcohol	mg/l	0.500	0.884	177 #	39 - 156	4658
Tertiary butyl alcohol	mg/l	0.500	0.561	112	39 - 156	5422
1,2-Dibromoethane	mg/l	0.0500	0.0536	107	78 - 133	4658
1,2-Dibromoethane	mg/l	0.0500	0.0543	109	78 - 133	5422
1,2-Dichloroethane	mg/l	0.0500	0.0458	92	72 - 133	4658
1,2-Dichloroethane	mg/l	0.0500	0.0445	89	72 - 133	5422
Methyl-t-butyl ether	mg/l	0.0500	0.0442	88	70 - 130	4658
Methyl-t-butyl ether	mg/l	0.0500	0.0437	87	70 - 130	5422

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 229313X
Project Name: EXXONMOBIL 7-0238
Page: 4
Laboratory Receipt Date: 1/ 8/04

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Methyl-t-butyl ether	mg/l	0.0500	0.0481	96	70 - 130	7764
Methyl-t-butyl ether	mg/l	0.0500	0.0489	98	70 - 130	7764
Diisopropyl ether	mg/l	0.0500	0.0465	93	73 - 127	4658
Diisopropyl ether	mg/l	0.0500	0.0440	88	73 - 127	5422
VOA Surr 1,2-DCA-d4	% Rec			89	71 - 128	4658
VOA Surr 1,2-DCA-d4	% Rec			82	71 - 128	5422
VOA Surr 1,2-DCA-d4	% Rec			97	71 - 128	7764
VOA Surr 1,2-DCA-d4	% Rec			96	71 - 128	7764
VOA Surr Toluene-d8	% Rec			96	77 - 119	4658
VOA Surr Toluene-d8	% Rec			94	77 - 119	5422
VOA Surr Toluene-d8	% Rec			98	77 - 119	7764
VOA Surr Toluene-d8	% Rec			97	77 - 119	7764
VOA Surr, 4-BFB	% Rec			95	79 - 123	4658
VOA Surr, 4-BFB	% Rec			95	79 - 123	5422
VOA Surr, 4-BFB	% Rec			99	79 - 123	7764
VOA Surr, 4-BFB	% Rec			100	79 - 123	7764
VOA Surr, DBFM	% Rec			94	78 - 124	4658
VOA Surr, DBFM	% Rec			90	78 - 124	5422
VOA Surr, DBFM	% Rec			97	78 - 124	7764
VOA Surr, DBFM	% Rec			99	78 - 124	7764

Duplicates

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

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 229313X
Project Name: EXXONMOBIL 7-0238

Laboratory Receipt Date: 1/ 8/04

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.00050	mg/l	3054	1/ 8/04	18:24
Benzene	< 0.00050	mg/l	6127	1/13/04	20:39
Toluene	< 0.0005	mg/l	3054	1/ 8/04	18:24
Toluene	0.0010	mg/l	6127	1/13/04	20:39
Ethylbenzene	< 0.0005	mg/l	3054	1/ 8/04	18:24
Ethylbenzene	< 0.0005	mg/l	6127	1/13/04	20:39
Xylenes (Total)	< 0.0005	mg/l	3054	1/ 8/04	18:24
Xylenes (Total)	0.0013	mg/l	6127	1/13/04	20:39
TPH (Gasoline Range)	< 0.0500	mg/l	3054	1/ 8/04	18:24
TPH (Gasoline Range)	< 0.0500	mg/l	5319	1/ 9/04	9:12
TPH (Gasoline Range)	< 0.0500	mg/l	6127	1/13/04	20:39
BTEX/GRO Surr., a,a,a-TFT	103.	% Recovery	3054	1/ 8/04	18:24
BTEX/GRO Surr., a,a,a-TFT	104.	% Recovery	5319	1/ 9/04	9:12
BTEX/GRO Surr., a,a,a-TFT	104.	% Recovery	6127	1/13/04	20:39
VOA PARAMETERS					
Ethyl-t-butylether	< 0.00010	mg/l	4658	1/ 9/04	17:56
Ethyl-t-butylether	< 0.00010	mg/l	5422	1/10/04	18:50
tert-amyl methyl ether	< 0.00019	mg/L	4658	1/ 9/04	17:56
tert-amyl methyl ether	< 0.00019	mg/L	5422	1/10/04	18:50
Tertiary butyl alcohol	< 0.00257	mg/l	4658	1/ 9/04	17:56
Tertiary butyl alcohol	< 0.00257	mg/l	5422	1/10/04	18:50
1,2-Dibromoethane	< 0.00018	mg/l	4658	1/ 9/04	17:56
1,2-Dibromoethane	< 0.00018	mg/l	5422	1/10/04	18:50
1,2-Dichloroethane	< 0.00021	mg/l	4658	1/ 9/04	17:56
1,2-Dichloroethane	< 0.00021	mg/l	5422	1/10/04	18:50
Methyl-t-butyl ether	< 0.00014	mg/l	4658	1/ 9/04	17:56
Methyl-t-butyl ether	< 0.00014	mg/l	5422	1/10/04	18:50

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 229313X
Project Name: EXXONMOBIL 7-0238
Page: 6
Laboratory Receipt Date: 1/ 8/04

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Methyl-t-butyl ether	< 0.00014	mg/l	7764	1/13/04	19:56
Methyl-t-butyl ether	< 0.00014	mg/l	7764	1/14/04	4:22
Diisopropyl ether	< 0.00030	mg/l	4658	1/ 9/04	17:56
Diisopropyl ether	< 0.00030	mg/l	5422	1/10/04	18:50
VOA Surr 1,2-DCA-d4	88.	% Rec	4658	1/ 9/04	17:56
VOA Surr 1,2-DCA-d4	84.	% Rec	5422	1/10/04	18:50
VOA Surr 1,2-DCA-d4	94.	% Rec	7764	1/13/04	19:56
VOA Surr 1,2-DCA-d4	96.	% Rec	7764	1/14/04	4:22
VOA Surr Toluene-d8	94.	% Rec	4658	1/ 9/04	17:56
VOA Surr Toluene-d8	92.	% Rec	5422	1/10/04	18:50
VOA Surr Toluene-d8	96.	% Rec	7764	1/13/04	19:56
VOA Surr Toluene-d8	95.	% Rec	7764	1/14/04	4:22
VOA Surr, 4-BFB	97.	% Rec	4658	1/ 9/04	17:56
VOA Surr, 4-BFB	94.	% Rec	5422	1/10/04	18:50
VOA Surr, 4-BFB	101.	% Rec	7764	1/13/04	19:56
VOA Surr, 4-BFB	101.	% Rec	7764	1/14/04	4:22
VOA Surr, DBFM	89.	% Rec	4658	1/ 9/04	17:56
VOA Surr, DBFM	88.	% Rec	5422	1/10/04	18:50
VOA Surr, DBFM	94.	% Rec	7764	1/13/04	19:56
VOA Surr, DBFM	95.	% Rec	7764	1/14/04	4:22

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 359910

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

359910

COOLER RECEIPT FORM BC#

Client: Environmental Resolutions

Cooler Received On: 1-8-04 And Opened On: 1-8-04 By: MARVIN BLUMHOEFER

Marvin Blumhoefer
(Signature)

8:00

1. Temperature of Cooler when opened 1.8 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.

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED
(615) 726-0177
Nashville Division
2960 Foster Creigh
Nashville, TN 37204

359910

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 73 Digital Drive, Suite 100
City/State/Zip: Novato, California 94949
Project Manager Rob Saur
Telephone Number: (415) 382- 3591
ERI Job Number: 229313X
Sampler Name: (Print) David Maddan
Sampler Signature:

ExxonMobil Engineer Gene N. Ortega
Telephone Number (925) 246-8747
Account #: 3876
PO #: 4504239053
Facility ID # 70238
Global ID# T0600101343
Site Address 2200 East 12th Street
City, State Zip Oakland, California

☐ 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:
Hold analyses for sample "QCBB". Oxygenates by 8260B to include EDB, EDC, DIPE, TBA, TAME, and ETBE

	Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8021B	MTBE 8260B	Confirm MTBE 8260B	Oxygenates 8260B	VOCs 8260B
1	QCBB	1-6-04	1418			HCl	2 VOAs	X				H	O	L	D		
2	MW9A 1910		1448			HCl	6 VOAs	X				X	X	X		X	
3	MW9B 11		1512			HCl	6 VOAs	X				X	X	X		X	
4	MW9C 12		1500			HCl	6 VOAs	X				X	X	X		X	
5	MW9D 13		1412			HCl	6 VOAs	X				X	X	X		X	
6	MW9F 14		1154			HCl	6 VOAs	X				X	X	X		X	
7	MW9G 15		1234			HCl	6 VOAs	X				X	X	X		X	
8	MW9H 16		1105			HCl	6 VOAs	X				X	X	X		X	
9	MW9I 19 17		1435			HCl	6 VOAs	X				X	X	X		X	

Relinquished by: David A. Maddan Date 1/7/04 Time 800am Received by: Time

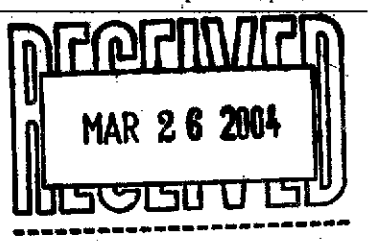
Relinquished by: Date Time Received by TestAmerica: M. Huff Time 8:00

Laboratory Comments:
Temperature Upon Receipt: 1.8
Sample Containers Intact?
VOAs Free of Headspace?

Sequoia
Analytical

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

26 March, 2004



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

RE: Former Exxon 7-0238
Work Order: MNC0288

Enclosed are the results of analyses for samples received by the laboratory on 03/10/04 17:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race For Theresa Allen
Project Manager

CA ELAP Certificate #1210

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www.sequoialabs.com

Environmental Resolutions (Exxon)	Project: Former Exxon 7-0238	MNC0288
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/26/04 12:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A-EFF	MNC0288-01	Air	03/08/04 16:10	03/10/04 17:30
A-INF	MNC0288-02	Air	03/08/04 16:15	03/10/04 17:30

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Environmental Resolutions (Exxon)	Project: Former Exxon 7-0238	MNC0288
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/26/04 12:44

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 (MNC0288-01) Air Sampled: 03/08/04 16:10 Received: 03/10/04 17:30									
Gasoline Range Organics (C6-C10)	23	10	mg/m³ Air	1	4C11028	03/11/04	03/11/04	EPA 8015B/8021B	
Benzene	**0.50**	0.10	"	"	"	"	"	"	CF1
Toluene	**0.16**	0.10	"	"	"	"	"	"	
Ethylbenzene	**0.15**	0.10	"	"	"	"	"	"	
Xylenes (total)	**0.27**	0.20	"	"	"	"	"	"	B
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*56-134*		"	"	"	"	
Gasoline Range Organics (C6-C10)	**6.6**	2.4	ppmv	"	"	"	"	"	
Benzene	**0.083**	0.031	"	"	"	"	"	"	CF1
Toluene	**0.042**	0.027	"	"	"	"	"	"	
Ethylbenzene	**0.035**	0.023	"	"	"	"	"	"	
Xylenes (total)	**0.10**	0.047	"	"	"	"	"	"	B
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*56-134*		"	"	"	"	
A-EFF (MNC0288-01RE1) Air Sampled: 03/08/04 16:10 Received: 03/10/04 17:30									**HT-09**
Gasoline Range Organics (C6-C10)	19	10	mg/m³ Air	1	4C16013	03/16/04	03/16/04	EPA 8015B/8021B	
Benzene	**0.17**	0.10	"	"	"	"	"	"	CF1
Toluene	**0.12**	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	**0.35**	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95.9 %*	*56-134*		"	"	"	"	
Gasoline Range Organics (C6-C10)	**5.4**	2.4	ppmv	"	"	"	"	"	
Benzene	**0.052**	0.031	"	"	"	"	"	"	CF1
Toluene	**0.031**	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	**0.080**	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.3 %*	*56-134*		"	"	"	"	

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Environmental Resolutions (Exxon)	Project: Former Exxon 7-0238	MNC0288
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/26/04 12:44

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 (MNC0288-02) Air Sampled: 03/08/04 16:15 Received: 03/10/04 17:30									
Gasoline Range Organics (C6-C10)	**4000**	500	mg/m³ Air	50	4C11028	03/11/04	03/11/04	EPA 8015B/8021B	
Benzene	**37**	5.0	"	"	"	"	"	"	CF1
Toluene	**23**	5.0	"	"	"	"	"	"	
Ethylbenzene	**31**	5.0	"	"	"	"	"	"	
Xylenes (total)	**48**	10	"	"	"	"	"	"	B
Methyl tert-butyl ether	**200**	25	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*56-134*		"	"	"	"	
Gasoline Range Organics (C6-C10)	**1100**	120	ppmv	50	"	"	"	"	
Benzene	**11**	1.6	"	"	"	"	"	"	CF1
Toluene	**6.1**	1.3	"	"	"	"	"	"	
Ethylbenzene	**7.2**	1.2	"	"	"	"	"	"	
Xylenes (total)	**11**	2.4	"	"	"	"	"	"	B
Methyl tert-butyl ether	**54**	6.9	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*56-134*		"	"	"	"	

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Environmental Resolutions (Exxon)	Project: Former Exxon 7-0238	MNC0288
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/26/04 12:44

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 4C11028 - EPA 5030B [P/T]										
Blank (4C11028-BLK1)			Prepared & Analyzed: 03/11/04							
Gasoline Range Organics (C6-C10)	ND	5	mg/m³ Air							
Gasoline Range Organics (C6-C10)	ND	1.2	ppmv							
Benzene	0.0157	0.0155	"							
Benzene	0.05	0.05	mg/m³ Air							
Toluene	0.017	0.0135	ppmv							
Toluene	0.064	0.05	mg/m³ Air							
Ethylbenzene	0.018	0.0115	ppmv							
Ethylbenzene	0.078	0.05	mg/m³ Air							
Xylenes (total)	0.159	0.1	"							B
Xylenes (total)	0.0368	0.0235	ppmv							B
Methyl tert-butyl ether	ND	0.25	mg/m³ Air							
Methyl tert-butyl ether	ND	0.07	ppmv							
Surrogate: a,a,a-Trifluorotoluene	*8.28*		*mg/m³ Air*	*8.00*		*104*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*1.39*		*ppmv*	*1.34*		*104*	*56-134*			
LCS (4C11028-BS1)			Prepared & Analyzed: 03/11/04							
Benzene	0.665	0.031	ppmv	0.627		106	62-125			
Benzene	2.12	0.10	mg/m³ Air	2.00		106	62-125			
Toluene	0.576	0.027	ppmv	0.532		108	68-121			
Toluene	2.17	0.10	mg/m³ Air	2.00		108	68-121			
Ethylbenzene	2.20	0.10	"	2.00		110	75-125			
Ethylbenzene	0.507	0.023	ppmv	0.462		110	75-125			
Xylenes (total)	6.68	0.20	mg/m³ Air	6.00		111	76-121			B
Xylenes (total)	1.54	0.047	ppmv	1.38		112	76-121			B
Surrogate: a,a,a-Trifluorotoluene	*1.38*		*"*	*1.34*		*103*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*8.24*		*mg/m³ Air*	*8.00*		*103*	*56-134*			
LCS (4C11028-BS2)			Prepared & Analyzed: 03/11/04							
Gasoline Range Organics (C6-C10)	46.1	10	mg/m³ Air	50.0		92.2	65-142			

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

Environmental Resolutions (Exxon)	Project: Former Exxon 7-0238	MNC0288
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/26/04 12:44

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 4C11028 - EPA 5030B [P/T]										
LCS (4C11028-BS2)				Prepared & Analyzed: 03/11/04						
Gasoline Range Organics (C6-C10)	13.1	2.4	ppmv	14.2		92.3	65-142			
Surrogate: a,a,a-Trifluorotoluene	*7.88*		*mg/m³ Air*	*8.00*		*98.5*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*1.32*		*ppmv*	*1.34*		*98.5*	*56-134*			
LCS Dup (4C11028-BSD1)				Prepared & Analyzed: 03/11/04						
Benzene	0.669	0.031	ppmv	0.627		107	62-125	0.600	31	
Benzene	2.13	0.10	mg/m³ Air	2.00		106	62-125	0.471	31	
Toluene	0.584	0.027	ppmv	0.532		110	68-121	1.38	29	
Toluene	2.20	0.10	mg/m³ Air	2.00		110	68-121	1.37	29	
Ethylbenzene	0.503	0.023	ppmv	0.462		109	75-125	0.792	32	
Ethylbenzene	2.18	0.10	mg/m³ Air	2.00		109	75-125	0.913	32	
Xylenes (total)	6.67	0.20	"	6.00		111	76-121	0.150	29	B
Xylenes (total)	1.54	0.047	ppmv	1.38		112	76-121	0.00	29	B
Surrogate: a,a,a-Trifluorotoluene	*1.40*		"	*1.34*		*104*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*8.36*		*mg/m³ Air*	*8.00*		*104*	*56-134*			
LCS Dup (4C11028-BSD2)				Prepared & Analyzed: 03/11/04						
Gasoline Range Organics (C6-C10)	46.4	10	mg/m³ Air	50.0		92.8	65-142	0.649	50	
Gasoline Range Organics (C6-C10)	13.2	2.4	ppmv	14.2		93.0	65-142	0.760	50	
Surrogate: a,a,a-Trifluorotoluene	*1.32*		"	*1.34*		*98.5*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*7.90*		*mg/m³ Air*	*8.00*		*98.8*	*56-134*			
Batch 4C16013 - EPA 5030B [P/T]										
Blank (4C16013-BLK1)				Prepared & Analyzed: 03/16/04						
Gasoline Range Organics (C6-C10)	ND	5	mg/m³ Air							
Gasoline Range Organics (C6-C10)	ND	1.2	ppmv							
Benzene	ND	0.05	mg/m³ Air							
Benzene	ND	0.0155	ppmv							
Toluene	ND	0.0135	"							
Toluene	ND	0.05	mg/m³ Air							
Ethylbenzene	ND	0.0115	ppmv							

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Morgan Hill, CA 95037
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Environmental Resolutions (Exxon)	Project: Former Exxon 7-0238	MNC0288
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/26/04 12:44

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 4C16013 - EPA 5030B [P/T]										
Blank (4C16013-BLK1)			Prepared & Analyzed: 03/16/04							
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	*1.40*		"	*1.34*		*104*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*8.39*		*mg/m³ Air*	*8.00*		*105*	*56-134*			
LCS (4C16013-BS1)			Prepared & Analyzed: 03/16/04							
Benzene	0.574	0.031	ppmv	0.627		91.5	62-125			
Benzene	1.83	0.10	mg/m³ Air	2.00		91.5	62-125			
Toluene	1.87	0.10	"	2.00		93.5	68-121			
Toluene	0.497	0.027	ppmv	0.532		93.4	68-121			
Ethylbenzene	1.88	0.10	mg/m³ Air	2.00		94.0	75-125			
Ethylbenzene	0.435	0.023	ppmv	0.462		94.2	75-125			
Xylenes (total)	5.76	0.20	mg/m³ Air	6.00		96.0	76-121			
Xylenes (total)	1.33	0.047	ppmv	1.38		96.4	76-121			
Surrogate: a,a,a-Trifluorotoluene	*1.30*		"	*1.34*		*97.0*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*7.75*		*mg/m³ Air*	*8.00*		*96.9*	*56-134*			
LCS (4C16013-BS2)			Prepared & Analyzed: 03/16/04							
Gasoline Range Organics (C6-C10)	33.6	10	mg/m³ Air	50.0		67.2	65-142			
Gasoline Range Organics (C6-C10)	9.54	2.4	ppmv	14.2		67.2	65-142			
Surrogate: a,a,a-Trifluorotoluene	*7.88*		*mg/m³ Air*	*8.00*		*98.5*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*1.32*		*ppmv*	*1.34*		*98.5*	*56-134*			
LCS Dup (4C16013-BSD1)			Prepared & Analyzed: 03/16/04							
Benzene	1.84	0.10	mg/m³ Air	2.00		92.0	62-125	0.545	31	
Benzene	0.576	0.031	ppmv	0.627		91.9	62-125	0.348	31	
Toluene	1.89	0.10	mg/m³ Air	2.00		94.5	68-121	1.06	29	
Toluene	0.501	0.027	ppmv	0.532		94.2	68-121	0.802	29	
Ethylbenzene	1.89	0.10	mg/m³ Air	2.00		94.5	75-125	0.531	32	

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Environmental Resolutions (Exxon)	Project: Former Exxon 7-0238	MNC0288
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/26/04 12:44

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 4C16013 - EPA 5030B [P/T]										
LCS Dup (4C16013-BSD1)				Prepared & Analyzed: 03/16/04						
Ethylbenzene	0.436	0.023	ppmv	0.462		94.4	75-125	0.230	32	
Xylenes (total)	5.79	0.20	mg/m³ Air	6.00		96.5	76-121	0.519	29	
Xylenes (total)	1.34	0.047	ppmv	1.38		97.1	76-121	0.749	29	
Surrogate: a,a,a-Trifluorotoluene	*8.09*		*mg/m³ Air*	*8.00*		*101*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*1.36*		*ppmv*	*1.34*		*101*	*56-134*			
LCS Dup (4C16013-BSD2)				Prepared & Analyzed: 03/16/04						
Gasoline Range Organics (C6-C10)	11.7	2.4	ppmv	14.2		82.4	65-142	20.3	50	
Gasoline Range Organics (C6-C10)	41.4	10	mg/m³ Air	50.0		82.8	65-142	20.8	50	
Surrogate: a,a,a-Trifluorotoluene	*7.61*		*"*	*8.00*		*95.1*	*56-134*			
Surrogate: a,a,a-Trifluorotoluene	*1.28*		*ppmv*	*1.34*		*95.5*	*56-134*			

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Environmental Resolutions (Exxon)	Project: Former Exxon 7-0238	MNC0288
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/26/04 12:44

Notes and Definitions

B	Analyte is found in the associated blank as well as in the sample.
CF1	Primary and confirmation results varied by greater than 40% RPD. The results may still be useful for their intended purpose.
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

Work Order: MNC0288

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			This is a modified report
MNC0288-01	TPH-G/B/M mgm3	Benzene	CF1
MNC0288-01	TPH-G/B/M ppmv	Benzene	CF1
MNC0288-01RE1	**TPH-G/B/M mgm3**		**Sampled->Analyzed [Day] > 3 days**
MNC0288-01RE1	**TPH-G/B/M mgm3**	**Benzene**	**CF1**
MNC0288-01RE1	**TPH-G/B/M mgm3**		**HT-09**
MNC0288-01RE1	TPH-G/B/M ppmv		Sampled->Analyzed [Day] > 3 days
MNC0288-01RE1	TPH-G/B/M ppmv	Benzene	CF1
MNC0288-01RE1	**TPH-G/B/M ppmv**		**HT-09**
MNC0288-02	**TPH-G/B/M mgm3**	**Benzene**	**CF1**
MNC0288-02	TPH-G/B/M ppmv	Benzene	CF1

Work Memo (MMO): NCR#M001308 NCR#M001340

Monthly Air Samples

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. 415/382-5591
MATT HERMAN, ENGINEER 415/382-4300

CONSULTANT NAME: ERI
ADDRESS: 73 DIGITAL DRIVE, SUITE 100
CITY/STATE/ZIP: NOVATO, CA 94949
CONTACT: MATT HERMAN
PHONE: 415/382-4300
FAX: 415/883-1856
SAMPLER: CHAD MINNICH
SAMPLER SIGNATURE:

PROJECT: FORMER EXXON 7-0238, 2200 EAST 12TH STREET
FAX #: 4504239009
PROJECT MGR.: ROB SAUR
EXXONMOBIL PM: GENE ORTEGA
QC DATA: LEVEL II (STANDARD)
DRINKING WATER:
WASTE WATER:
OTHER: X

MW00288

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE			ANALYSES REQUESTED: TPHg, BTEX & MTBE 8015/8020					24 Hour Field	10 Day TAT
A-Eff	3-8-04	1610	1	air	None			X					X	X
A-Inf	3-8-04	1615	1	air	None			X					X	X

RELINQUISHED BY: DATE 3-9-04 TIME 0900 RECEIVED BY: DATE 3-9-04 TIME 0900
RELINQUISHED BY: DATE 3-9-04 TIME 1330 RECEIVED BY: DATE 3/9/04 TIME 1330

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

FOR

Jack Herman 3/10/04 3/10/04 1730

WORKSCOPE

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ORL
REC.-BY (PRINT): EB
WORKORDER: MWE0488

DATE REC'D AT LAB: 3-10-04
TIME REC'D AT LAB: 1730
DATE LOGGED IN: 3-10-04

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 Intact / Broken*			A-GPF	tedlar	—	A	3-8-04	
				A-THF	1	1	1	1	
2. Chain-of-Custody	Present / Absent*								
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 / OFF ON ICE or Problem COC tedlar

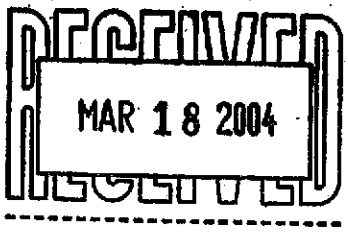
*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

SR. cv 4.xls
Version 4 (11/10/03)
Traces Revision 3 (03/18/03)
4 11/18/03

Sequoia Analytical

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

17 March, 2004



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

RE: Former Exxon 7-0238
Work Order: MNC0291

Enclosed are the results of analyses for samples received by the laboratory on 03/09/04 13:30. 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

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

Environmental Resolutions (Exxon)	Project: Former Exxon 7-0238	MNC0291
73 Digital Drive, Suite 100	Project Number: 7-0238	Reported:
Novato CA, 94949	Project Manager: Rob Saur	03/17/04 17:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-INF	MNC0291-01	Water	03/08/04 16:00	03/09/04 13:30
W-INT-1	MNC0291-02	Water	03/08/04 15:50	03/09/04 13:30
W-INT-2	MNC0291-03	Water	03/08/04 15:40	03/09/04 13:30
PSP-1	MNC0291-04	Water	03/08/04 15:30	03/09/04 13:30

The samples were received at 6°C.

Sequoia Analytical

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

Environmental Resolutions (Exxon)	Project: Former Exxon 7-0238	MNC0291
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/17/04 17:05

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-INF (MNC0291-01) Water Sampled: 03/08/04 16:00 Received: 03/09/04 13:30									
Gasoline Range Organics (C6-C10)	ND	2500	ug/l	50	4C12030	03/12/04	03/13/04	EPA 8015B/8021B	
Benzene	ND	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Ethylbenzene	ND	25	"	"	"	"	"	"	
Xylenes (total)	30	25	"	"	"	"	"	"	
Methyl tert-butyl ether	2100	120	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*		*55-142*		"	"	"	
W-INT-1 (MNC0291-02) Water Sampled: 03/08/04 15:50 Received: 03/09/04 13:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4C12030	03/12/04	03/13/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*		*55-142*		"	"	"	
W-INT-2 (MNC0291-03) Water Sampled: 03/08/04 15:40 Received: 03/09/04 13:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4C12030	03/12/04	03/13/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*		*55-142*		"	"	"	

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

Environmental Resolutions (Exxon)	Project: Former Exxon 7-0238	MNC0291
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/17/04 17:05

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PSP-1 (MNC0291-04) Water Sampled: 03/08/04 15:30 Received: 03/09/04 13:30									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4C12030	03/12/04	03/13/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.5 %*	*55-142*		"	"	"	"	

Sequoia Analytical

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

Environmental Resolutions (Exxon)	Project: Former Exxon 7-0238	MNC0291
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/17/04 17:05

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-INF (MNC0291-01) Water Sampled: 03/08/04 16:00 Received: 03/09/04 13:30									
Diesel Range Organics (C10-C28)	**260**	48	ug/l	1	4C12004	03/12/04	03/12/04	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*85.4 %*	*23-128*		"	"	"	"	
W-INT-1 (MNC0291-02) Water Sampled: 03/08/04 15:50 Received: 03/09/04 13:30									
Diesel Range Organics (C10-C28)	ND	48	ug/l	1	4C12004	03/12/04	03/12/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*78.6 %*	*23-128*		"	"	"	"	
W-INT-2 (MNC0291-03) Water Sampled: 03/08/04 15:40 Received: 03/09/04 13:30									
Diesel Range Organics (C10-C28)	**59**	48	ug/l	1	4C12004	03/12/04	03/12/04	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*101 %*	*23-128*		"	"	"	"	
PSP-1 (MNC0291-04) Water Sampled: 03/08/04 15:30 Received: 03/09/04 13:30									
Diesel Range Organics (C10-C28)	ND	49	ug/l	1	4C12004	03/12/04	03/12/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*84.3 %*	*23-128*		"	"	"	"	

Sequoia Analytical

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

Environmental Resolutions (Exxon)	Project: Former Exxon 7-0238	MNC0291
73 Digital Drive, Suite 100	Project Number: 7-0238	Reported:
Novato CA, 94949	Project Manager: Rob Saur	03/17/04 17:05

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 4C12030 - EPA 5030B [P/T]										
Blank (4C12030-BLK1)				Prepared & Analyzed: 03/12/04						
Gasoline Range Organics (C6-C10)	ND	25	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	"							
Methyl tert-butyl ether	ND	1.25	"							
Surrogate: a,a,a-Trifluorotoluene	*41.3*		"	*40.0*		*103*	*55-142*			
LCS (4C12030-BS1)				Prepared & Analyzed: 03/12/04						
Benzene	9.83	0.50	ug/l	10.0		98.3	68-140			
Toluene	9.45	0.50	"	10.0		94.5	76-127			
Ethylbenzene	9.85	0.50	"	10.0		98.5	77-130			
Xylenes (total)	29.4	0.50	"	30.0		98.0	78-128			
Surrogate: a,a,a-Trifluorotoluene	*41.8*		"	*40.0*		*104*	*55-142*			
LCS (4C12030-BS2)				Prepared & Analyzed: 03/12/04						
Gasoline Range Organics (C6-C10)	270	50	ug/l	250		108	62-134			
Surrogate: a,a,a-Trifluorotoluene	*41.3*		"	*40.0*		*103*	*55-142*			
Matrix Spike (4C12030-MS1)		Source: MNC0116-03		Prepared & Analyzed: 03/12/04						
Gasoline Range Organics (C6-C10)	588	50	ug/l	550	ND	107	62-134			
Benzene	10.9	0.50	"	8.00	ND	136	68-140			
Toluene	35.0	0.50	"	37.1	ND	94.3	76-127			
Ethylbenzene	8.73	0.50	"	8.70	ND	100	77-130			
Xylenes (total)	42.5	0.50	"	42.1	ND	101	78-128			
Surrogate: a,a,a-Trifluorotoluene	*41.2*		"	*40.0*		*103*	*55-142*			
Matrix Spike Dup (4C12030-MSD1)		Source: MNC0116-03		Prepared & Analyzed: 03/12/04						
Gasoline Range Organics (C6-C10)	563	50	ug/l	550	ND	102	62-134	4.34	41	
Benzene	4.53	0.50	"	8.00	ND	56.6	68-140	82.6	30	QM02

Sequoia Analytical

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

Environmental Resolutions (Exxon) 73 Digital Drive, Suite 100 Novato CA, 94949	Project: Former Exxon 7-0238 Project Number: 7-0238 Project Manager: Rob Saur	MNC0291 **Reported:** 03/17/04 17:05

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 4C12030 - EPA 5030B [P/T]										
Matrix Spike Dup (4C12030-MSD1)	**Source: MNC0116-03**			Prepared & Analyzed: 03/12/04						
Toluene	34.9	0.50	ug/l	37.1	ND	94.1	76-127	0.286	30	
Ethylbenzene	8.71	0.50	"	8.70	ND	100	77-130	0.229	21	
Xylenes (total)	42.1	0.50	"	42.1	ND	100	78-128	0.946	21	
Surrogate: a,a,a-Trifluorotoluene	*41.5*		"	*40.0*		*104*	*55-142*			

Sequoia Analytical

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

Environmental Resolutions (Exxon)	Project: Former Exxon 7-0238	MNC0291
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/17/04 17:05

Extractable Hydrocarbons with Silica Gel cleanup 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 4C12004 - EPA 3510C										
Blank (4C12004-BLK1)				Prepared & Analyzed: 03/12/04						
Diesel Range Organics (C10-C28)	ND	35	ug/l							
Surrogate: n-Octacosane	*35.2*		"	*50.0*		*70.4*	*23-128*			
LCS (4C12004-BS1)				Prepared & Analyzed: 03/12/04						
Diesel Range Organics (C10-C28)	480	50	ug/l	500		96.0	35-144			
Surrogate: n-Octacosane	*34.7*		"	*50.0*		*69.4*	*23-128*			
LCS Dup (4C12004-BSD1)				Prepared & Analyzed: 03/12/04						
Diesel Range Organics (C10-C28)	457	50	ug/l	500		91.4	35-144	4.91	24	
Surrogate: n-Octacosane	*32.7*		"	*50.0*		*65.4*	*23-128*			

Sequoia Analytical

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

Environmental Resolutions (Exxon)	Project: Former Exxon 7-0238	MNC0291
73 Digital Drive, Suite 100	Project Number: 7-0238	Reported:
Novato CA, 94949	Project Manager: Rob Saur	03/17/04 17:05

Notes and Definitions

HC-12	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
QM02	The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Monthly Samples

MNC0291

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: CARL MARCUM
SAMPLER SIGNATURE:

PROJECT: FORMER EXXON 7-0238, 2200 EAST 12TH STREET
P.O.#: 4504230002
PROJECT MGR.: ROB SAUR
EXXONMOBIL PM: GENE ORTEGA
QC DATA: LEVEL II (STANDARD)
DRINKING WATER:
WASTE WATER:
OTHER: X

*Deisel analysis to be run with Silica Gel Clean Up.

ANALYSES REQUESTED

	SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE	TPH/BTEX/MTBE 8015m/8021B		TPH(D) 8015m*					72 hour TAT	5 day TAT	Fax Results
01	W-INF	3-8-04	1540 1600	2/4	H_2O	None/HCL	X		X					X		X
02	W-INT-1	3-8-04	1545 1550	2/4	H_2O	None/HCL	X		X					X		X
03	W-INT-2	3-8-04	1546 1540	2/4	H_2O	None/HCL	X		X					X		X
04	PSP-1	3-8-04	1600 1532	2/4	H_2O	None/HCL	X		X					X		X

RELINQUISHED BY: DATE 3-9-04 TIME 0800 RECEIVED BY: ERI Representative DATE 3-9-04 TIME 0800

RELINQUISHED BY: DATE 3-9-04 TIME 1330 RECEIVED BY: DATE 3/10/04 TIME 1330

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

COCS: 3/10/04 3/10/04 1715

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERI
REC. BY (PRINT) NH
WORKORDER: MN0291

DATE REC'D AT LAB: 3/10/04
TIME REC'D AT LAB:
DATE LOGGED IN: 3-11-04

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)	01		W-INF	2)L Bottles	—	W	3-8-04	
Intact / Broken*	↓		↓	4) VOAs	HCL			
2. Chain-of-Custody (Present) / Absent*	02		W-INT-1	Same	Same			
3. Traffic Reports or Packing List: Present / (Absent)	03		W-INT-2	↓	↓	↓	↓	
4. Airbill: Airbill / Sticker Present / (Absent)	04		PSP-1	↓	↓	↓	↓	
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**								

3-10-04 MN

*Acceptance range for samples requiring thermal pres.)

Exception (if any): METALS / DFF ON ICE

*Problem COC

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

w Labs
n 4 (11/10/03)
Revision 3 (03/18/03)
*10/03

Sequoia Analytical

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

January 21 , 2004

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

RE: Exxon 7-0238
Work Order: MNA0559

Enclosed are the results of analyses for samples received by the laboratory on 01/16/04. 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

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

Environmental Resolutions (Exxon)	Project: Exxon 7-0238	
73 Digital Drive, Suite 100	Project Number: -	Reported:
Novato CA, 94949	Project Manager: Rob Saur	01/21/04 17:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-INF	MNA0559-01	Water	01/15/04 16:15	01/16/04 14:30
W-INT-1	MNA0559-02	Water	01/15/04 16:00	01/16/04 14:30
W-INT-2	MNA0559-03	Water	01/15/04 15:45	01/16/04 14:30
PSP #1	MNA0559-04	Water	01/15/04 15:30	01/16/04 14:30

The samples were received at 5°C.

Sequoia Analytical

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

Environmental Resolutions (Exxon)	Project: Exxon 7-0238	
73 Digital Drive, Suite 100	Project Number: -	Reported:
Novato CA, 94949	Project Manager: Rob Saur	01/21/04 17:01

Purgeable Hydrocarbons by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-INF (MNA0559-01) Water Sampled: 01/15/04 16:15 Received: 01/16/04 14:30									
Gasoline Range Organics	82	50	ug/l	1	4A20022	01/20/04	01/20/04	EPA 8015B-VOA	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*55-142*		"	"	"	"	
W-INT-1 (MNA0559-02) Water Sampled: 01/15/04 16:00 Received: 01/16/04 14:30									
Gasoline Range Organics	ND	50	ug/l	1	4A20022	01/20/04	01/20/04	EPA 8015B-VOA	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*55-142*		"	"	"	"	
W-INT-2 (MNA0559-03) Water Sampled: 01/15/04 15:45 Received: 01/16/04 14:30									
Gasoline Range Organics	ND	50	ug/l	1	4A20022	01/20/04	01/20/04	EPA 8015B-VOA	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*55-142*		"	"	"	"	
PSP #1 (MNA0559-04) Water Sampled: 01/15/04 15:30 Received: 01/16/04 14:30									
Gasoline Range Organics	ND	50	ug/l	1	4A20022	01/20/04	01/20/04	EPA 8015B-VOA	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*55-142*		"	"	"	"	

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
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Environmental Resolutions (Exxon)	Project: Exxon 7-0238	
73 Digital Drive, Suite 100	Project Number: -	Reported:
Novato CA, 94949	Project Manager: Rob Saur	01/21/04 17:01

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-INF (MNA0559-01) Water Sampled: 01/15/04 16:15 Received: 01/16/04 14:30									
Diesel Range Organics (C10-C28)	**78**	50	ug/l	1	4A19008	01/19/04	01/21/04	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*93.6 %*		*23-128*	"	"	"	"	
W-INT-1 (MNA0559-02) Water Sampled: 01/15/04 16:00 Received: 01/16/04 14:30									
Diesel Range Organics (C10-C28)	ND	47	ug/l	1	4A19008	01/19/04	01/21/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*88.3 %*		*23-128*	"	"	"	"	
W-INT-2 (MNA0559-03) Water Sampled: 01/15/04 15:45 Received: 01/16/04 14:30									
Diesel Range Organics (C10-C28)	**53**	47	ug/l	1	4A19008	01/19/04	01/21/04	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*87.1 %*		*23-128*	"	"	"	"	
PSP #1 (MNA0559-04) Water Sampled: 01/15/04 15:30 Received: 01/16/04 14:30									
Diesel Range Organics (C10-C28)	**62**	50	ug/l	1	4A19008	01/19/04	01/21/04	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*88.0 %*		*23-128*	"	"	"	"	

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Environmental Resolutions (Exxon)	Project: Exxon 7-0238	
73 Digital Drive, Suite 100	Project Number: -	Reported:
Novato CA, 94949	Project Manager: Rob Saur	01/21/04 17:01

MTBE by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-INF (MNA0559-01) Water Sampled: 01/15/04 16:15 Received: 01/16/04 14:30									
Methyl tert-butyl ether	**160**	5.0	ug/l	10	4A20001	01/20/04	01/20/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*110 %*		*78-129*		"	"	"	"
W-INT-1 (MNA0559-02) Water Sampled: 01/15/04 16:00 Received: 01/16/04 14:30									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4A20001	01/20/04	01/20/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*78-129*		"	"	"	"
W-INT-2 (MNA0559-03) Water Sampled: 01/15/04 15:45 Received: 01/16/04 14:30									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4A20001	01/20/04	01/20/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*114 %*		*78-129*		"	"	"	"
PSP #1 (MNA0559-04) Water Sampled: 01/15/04 15:30 Received: 01/16/04 14:30									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4A20001	01/20/04	01/20/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*114 %*		*78-129*		"	"	"	"

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885 Jarvis Drive
Morgan Hill, CA 95037
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www.sequoialabs.com

Environmental Resolutions (Exxon)	Project: Exxon 7-0238	
73 Digital Drive, Suite 100	Project Number: -	Reported:
Novato CA, 94949	Project Manager: Rob Saur	01/21/04 17:01

BTEX by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-INF (MNA0559-01) Water Sampled: 01/15/04 16:15 Received: 01/16/04 14:30									
Benzene	ND	5.0	ug/l	10	4A20001	01/20/04	01/20/04	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*78-129*		"	"	"	"	
W-INT-1 (MNA0559-02) Water Sampled: 01/15/04 16:00 Received: 01/16/04 14:30									
Benzene	ND	0.50	ug/l	1	4A20001	01/20/04	01/20/04	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*78-129*		"	"	"	"	
W-INT-2 (MNA0559-03) Water Sampled: 01/15/04 15:45 Received: 01/16/04 14:30									
Benzene	ND	0.50	ug/l	1	4A20001	01/20/04	01/20/04	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*78-129*		"	"	"	"	
PSP #1 (MNA0559-04) Water Sampled: 01/15/04 15:30 Received: 01/16/04 14:30									
Benzene	ND	0.50	ug/l	1	4A20001	01/20/04	01/20/04	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*78-129*		"	"	"	"	

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Morgan Hill, CA 95037
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www.sequoialabs.com

Environmental Resolutions (Exxon)	Project: Exxon 7-0238	
73 Digital Drive, Suite 100	Project Number: -	Reported:
Novato CA, 94949	Project Manager: Rob Saur	01/21/04 17:01

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 4A20022 - EPA 5030B [P/T]										
Blank (4A20022-BLK1)				Prepared & Analyzed: 01/20/04						
Gasoline Range Organics	ND	25	ug/l							
Surrogate: a,a,a-Trifluorotoluene	*42.7*		"	*40.0*		*107*	*55-142*			
LCS (4A20022-BS1)				Prepared & Analyzed: 01/20/04						
Gasoline Range Organics	234	50	ug/l	250		93.6	62-134			
Surrogate: a,a,a-Trifluorotoluene	*41.6*		"	*40.0*		*104*	*55-142*			
Matrix Spike (4A20022-MS1)		Source: MNA0559-04		Prepared & Analyzed: 01/20/04						
Gasoline Range Organics	524	50	ug/l	550	ND	95.3	62-134			
Surrogate: a,a,a-Trifluorotoluene	*41.8*		"	*40.0*		*104*	*55-142*			
Matrix Spike Dup (4A20022-MSD1)		Source: MNA0559-04		Prepared & Analyzed: 01/20/04						
Gasoline Range Organics	493	50	ug/l	550	ND	89.6	62-134	6.10	41	
Surrogate: a,a,a-Trifluorotoluene	*41.9*		"	*40.0*		*105*	*55-142*			

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Environmental Resolutions (Exxon)	Project: Exxon 7-0238	
73 Digital Drive, Suite 100	Project Number: -	Reported:
Novato CA, 94949	Project Manager: Rob Saur	01/21/04 17:01

Extractable Hydrocarbons with Silica Gel cleanup 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 4A19008 - EPA 3510C										
Blank (4A19008-BLK1)				Prepared: 01/19/04 Analyzed: 01/21/04						
Diesel Range Organics (C10-C28)	ND	25	ug/l							
Surrogate: n-Octacosane	*41.5*		"	*50.0*		*83.0*	*23-128*			
LCS (4A19008-BS1)				Prepared: 01/19/04 Analyzed: 01/21/04						
Diesel Range Organics (C10-C28)	456	50	ug/l	500		91.2	35-144			
Surrogate: n-Octacosane	*40.6*		"	*50.0*		*81.2*	*23-128*			
LCS Dup (4A19008-BSD1)				Prepared: 01/19/04 Analyzed: 01/21/04						
Diesel Range Organics (C10-C28)	470	50	ug/l	500		94.0	35-144	3.02	24	
Surrogate: n-Octacosane	*41.6*		"	*50.0*		*83.2*	*23-128*			

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Environmental Resolutions (Exxon)	Project: Exxon 7-0238	
73 Digital Drive, Suite 100	Project Number: -	Reported:
Novato CA, 94949	Project Manager: Rob Saur	01/21/04 17:01

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 4A20001 - EPA 5030B P/T										
Blank (4A20001-BLK1)				Prepared & Analyzed: 01/20/04						
Methyl tert-butyl ether	ND	0.25	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*5.41*		"	*5.00*		*108*	*78-129*			
LCS (4A20001-BS1)				Prepared & Analyzed: 01/20/04						
Methyl tert-butyl ether	21.2	0.50	ug/l	20.0		106	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.17*		"	*5.00*		*103*	*78-129*			
Matrix Spike (4A20001-MS1)		Source: MNA0559-01		Prepared & Analyzed: 01/20/04						
Methyl tert-butyl ether	380	5.0	ug/l	200	160	110	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.96*		"	*5.00*		*119*	*78-129*			
Matrix Spike Dup (4A20001-MSD1)		Source: MNA0559-01		Prepared & Analyzed: 01/20/04						
Methyl tert-butyl ether	387	5.0	ug/l	200	160	114	63-137	1.83	13	
Surrogate: 1,2-Dichloroethane-d4	*5.81*		"	*5.00*		*116*	*78-129*			

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Environmental Resolutions (Exxon)	Project: Exxon 7-0238	
73 Digital Drive, Suite 100	Project Number: -	Reported:
Novato CA, 94949	Project Manager: Rob Saur	01/21/04 17:01

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 4A20001 - EPA 5030B P/T										
Blank (4A20001-BLK1)				Prepared & Analyzed: 01/20/04						
Benzene	ND	0.25	ug/l							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.36	"							
Surrogate: 1,2-Dichloroethane-d4	*5.41*		"	*5.00*		*108*	*78-129*			
LCS (4A20001-BS1)				Prepared & Analyzed: 01/20/04						
Benzene	19.3	0.50	ug/l	20.0		96.5	69-124			
Toluene	19.1	0.50	"	20.0		95.5	78-129			
Surrogate: 1,2-Dichloroethane-d4	*5.17*		"	*5.00*		*103*	*78-129*			
Matrix Spike (4A20001-MS1)		Source: MNA0559-01		Prepared & Analyzed: 01/20/04						
Benzene	205	5.0	ug/l	200	0.80	102	69-124			
Toluene	193	5.0	"	200	0.80	96.1	78-129			
Surrogate: 1,2-Dichloroethane-d4	*5.96*		"	*5.00*		*119*	*78-129*			
Matrix Spike Dup (4A20001-MSD1)		Source: MNA0559-01		Prepared & Analyzed: 01/20/04						
Benzene	206	5.0	ug/l	200	0.80	103	69-124	0.487	20	
Toluene	195	5.0	"	200	0.80	97.1	78-129	1.03	20	
Surrogate: 1,2-Dichloroethane-d4	*5.81*		"	*5.00*		*116*	*78-129*			

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Morgan Hill, CA 95037
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Environmental Resolutions (Exxon)	Project: Exxon 7-0238	
73 Digital Drive, Suite 100	Project Number: -	Reported:
Novato CA, 94949	Project Manager: Rob Saur	01/21/04 17:01

Notes and Definitions

HC-12	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
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

Monthly Samples

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: Damon Grate
SAMPLER SIGNATURE: Damon Grate

PROJECT: FORMER EXXON 7-0238, 2200 EAST 12TH STREET
P.O.#: 4504239009
PROJECT MGR.: ROB SAUR
EXXONMOBIL TM: GENE ORTEGA
QC DATA: LEVEL II (STANDARD)
DRINKING WATER:
WASTE WATER:
OTHER: X

MNA0559

*Deisel analysis to be run with Silica Gel Clean Up.

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE	TPHG/BTEX/MTBE 8015m/8021B		TPHd 8015m*					72 hour TAT	5 day TAT	Fax Results
						ANALYSES REQUESTED									
01 W-INF	1-15-04	1615	2/6	H_2O	None/HCL	X		X					X		X
02 W-INT-1	1-15-04	1600	1/5	H_2O	None/HCL	X		X					X		X
03 W-INT-2	1-15-04	1545	1/5	H_2O	None/HCL	X		X					X		X
04 ~~W-EFF~~ PSP#1	1-15-04	1530	2/6	H_2O	None/HCL	X		X					X		X

RELINQUISHED BY: Damon Grate DATE 1-16-04 TIME 0800 RECEIVED BY: DATE 1-16-04 TIME 1020

RELINQUISHED BY: DATE 1-16-04 TIME 1409 RECEIVED BY: DATE 1/16 TIME 1430

TEMP ____ SAMPLE CONTAINERS INTACT? Y N 1750 VOA'S FREE OF HEADSPACE? Y N

1/16/04 1750

FN OM\2294\COC'S

[redacted] SAMPLE RECEIPT [redacted]

CLIENT NAME: ERI
REC. BY (PRINT): TV
WORKORDER: MHA0559

DATE REC'D AT LAB: 1/16/04
TIME REC'D AT LAB: 1750
DATE LOGGED IN: 1-17-04

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			W-inf	(2) Unpres	—	L	1/15/04	
	Intact / Broken*			L	(6) Voas	HCl			
2. Chain-of-Custody	Present / Absent*			W-Int1	(1) Unpres	—			
3. Traffic Reports or Packing List:	Present / Absent			L	(5) Voas	HCl			
				W-Int2	Same	Same			
4. Airbill:	Airbill / Sticker Present / Absent			PSD#1	(2) Unpres	—			
				L	(6) Voas	HCl	V		
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: 5°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

1/16/04 TV

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

Sequoia Analytical

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

10 March, 2004

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

RE: Exxon 7-0238
Work Order: MNC0102

Enclosed are the results of analyses for samples received by the laboratory on 03/03/04 18:40. 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

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

Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MNC0102
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/10/04 08:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-INF	MNC0102-01	Water	03/01/04 17:55	03/03/04 18:40
W-INT-1	MNC0102-02	Water	03/01/04 17:50	03/03/04 18:40
W-INT-2	MNC0102-03	Water	03/01/04 17:45	03/03/04 18:40
PSP-1	MNC0102-04	Water	03/01/04 17:40	03/03/04 18:40

The samples were received at 5°C.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
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Environmental Resolutions (Exxon) 73 Digital Drive, Suite 100 Novato CA, 94949	Project: Exxon 7-0238 Project Number: 7-0238 Project Manager: Rob Saur	MNC0102 Reported: 03/10/04 08:34

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-INF (MNC0102-01) Water Sampled: 03/01/04 17:55 Received: 03/03/04 18:40									
Gasoline Range Organics (C6-C10)	**4100**	2500	ug/l	50	4C09001	03/09/04	03/09/04	EPA 8015B/8021B	
Benzene	ND	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Ethylbenzene	**47**	25	"	"	"	"	"	"	
Xylenes (total)	**36**	25	"	"	"	"	"	"	
Methyl tert-butyl ether	**2800**	120	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*55-142*		"	"	"	"	
W-INT-1 (MNC0102-02) Water Sampled: 03/01/04 17:50 Received: 03/03/04 18:40									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4C09001	03/09/04	03/09/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*55-142*		"	"	"	"	
W-INT-2 (MNC0102-03) Water Sampled: 03/01/04 17:45 Received: 03/03/04 18:40									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4C09001	03/09/04	03/09/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*110 %*	*55-142*		"	"	"	"	

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Morgan Hill, CA 95037
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www.sequoialabs.com

Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MNC0102
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/10/04 08:34

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PSP-1 (MNC0102-04) Water Sampled: 03/01/04 17:40 Received: 03/03/04 18:40									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4C09001	03/09/04	03/09/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*108 %*		*55-142*	"	"	"	"	

Sequoia Analytical

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

Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MNC0102
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/10/04 08:34

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-INF (MNC0102-01) Water Sampled: 03/01/04 17:55 Received: 03/03/04 18:40									
Diesel Range Organics (C10-C28)	**580**	48	ug/l	1	4C03035	03/03/04	03/04/04	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*90.8 %*	*23-128*		"	"	"	"	
W-INT-1 (MNC0102-02) Water Sampled: 03/01/04 17:50 Received: 03/03/04 18:40									
Diesel Range Organics (C10-C28)	ND	48	ug/l	1	4C03035	03/03/04	03/04/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*91.9 %*	*23-128*		"	"	"	"	
W-INT-2 (MNC0102-03) Water Sampled: 03/01/04 17:45 Received: 03/03/04 18:40									
Diesel Range Organics (C10-C28)	ND	48	ug/l	1	4C03035	03/03/04	03/04/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*87.9 %*	*23-128*		"	"	"	"	
PSP-1 (MNC0102-04) Water Sampled: 03/01/04 17:40 Received: 03/03/04 18:40									
Diesel Range Organics (C10-C28)	ND	48	ug/l	1	4C03035	03/03/04	03/04/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*87.4 %*	*23-128*		"	"	"	"	

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Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MNC0102
73 Digital Drive, Suite 100	Project Number: 7-0238	Reported:
Novato CA, 94949	Project Manager: Rob Saur	03/10/04 08:34

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 4C09001 - EPA 5030B [P/T]										
Blank (4C09001-BLK1)				Prepared & Analyzed: 03/09/04						
Gasoline Range Organics (C6-C10)	ND	25	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	"							
Methyl tert-butyl ether	ND	1.25	"							
Surrogate: a,a,a-Trifluorotoluene	*43.5*		"	*40.0*		*109*	*55-142*			
LCS (4C09001-BS1)				Prepared & Analyzed: 03/09/04						
Benzene	10.7	0.50	ug/l	10.0		107	68-140			
Toluene	10.4	0.50	"	10.0		104	76-127			
Ethylbenzene	10.9	0.50	"	10.0		109	77-130			
Xylenes (total)	32.0	0.50	"	30.0		107	78-128			
Surrogate: a,a,a-Trifluorotoluene	*43.2*		"	*40.0*		*108*	*55-142*			
LCS (4C09001-BS2)				Prepared & Analyzed: 03/09/04						
Gasoline Range Organics (C6-C10)	257	50	ug/l	250		103	62-134			
Surrogate: a,a,a-Trifluorotoluene	*43.2*		"	*40.0*		*108*	*55-142*			
Matrix Spike (4C09001-MS1)		Source: MNC0056-01		Prepared & Analyzed: 03/09/04						
Gasoline Range Organics (C6-C10)	532	50	ug/l	550	ND	96.7	62-134			
Benzene	7.35	0.50	"	8.00	0.13	90.2	68-140			
Toluene	34.7	0.50	"	37.1	0.19	93.0	76-127			
Ethylbenzene	8.45	0.50	"	8.70	ND	97.1	77-130			
Xylenes (total)	41.8	0.50	"	42.1	0.13	99.0	78-128			
Surrogate: a,a,a-Trifluorotoluene	*42.5*		"	*40.0*		*106*	*55-142*			
Matrix Spike Dup (4C09001-MSD1)		Source: MNC0056-01		Prepared & Analyzed: 03/09/04						
Gasoline Range Organics (C6-C10)	550	50	ug/l	550	ND	100	62-134	3.33	41	
Benzene	7.46	0.50	"	8.00	0.13	91.6	68-140	1.49	30	

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Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MNC0102
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/10/04 08:34

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 4C09001 - EPA 5030B [P/T]										
Matrix Spike Dup (4C09001-MSD1)	**Source: MNC0056-01**			Prepared & Analyzed: 03/09/04						
Toluene	35.1	0.50	ug/l	37.1	0.19	94.1	76-127	1.15	30	
Ethylbenzene	8.64	0.50	"	8.70	ND	99.3	77-130	2.22	21	
Xylenes (total)	42.3	0.50	"	42.1	0.13	100	78-128	1.19	21	
Surrogate: a,a,a-Trifluorotoluene	*42.4*		"	*40.0*		*106*	*55-142*			

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Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MNC0102
73 Digital Drive, Suite 100	Project Number: 7-0238	Reported:
Novato CA, 94949	Project Manager: Rob Saur	03/10/04 08:34

Extractable Hydrocarbons with Silica Gel cleanup 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 4C03035 - EPA 3510C										
Blank (4C03035-BLK1)				Prepared: 03/03/04 Analyzed: 03/04/04						
Diesel Range Organics (C10-C28)	ND	25	ug/l							
Surrogate: n-Octacosane	*37.3*		"	*50.0*		*74.6*	*23-128*			
LCS (4C03035-BS1)				Prepared: 03/03/04 Analyzed: 03/04/04						
Diesel Range Organics (C10-C28)	509	50	ug/l	500		102	35-144			
Surrogate: n-Octacosane	*44.2*		"	*50.0*		*88.4*	*23-128*			
LCS Dup (4C03035-BSD1)				Prepared: 03/03/04 Analyzed: 03/04/04						
Diesel Range Organics (C10-C28)	516	50	ug/l	500		103	35-144	1.37	24	
Surrogate: n-Octacosane	*43.0*		"	*50.0*		*86.0*	*23-128*			

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Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MNC0102
73 Digital Drive, Suite 100	Project Number: 7-0238	**Reported:**
Novato CA, 94949	Project Manager: Rob Saur	03/10/04 08:34

Notes and Definitions

HC-12	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
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

Monthly Samples

MNC0102

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

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

ENVIRONMENTAL RESOLUTIONS, INC
ROB SAUR, PROJ. MGR. 415/382-1291
MATT HERMAN, ENGINEER 415/382-4360

CONSULTANT NAME: ERI
ADDRESS: 71 DIGITAL DRIVE, SUITE 100
CITY/STATE/ZIP: NOVATO, CA 94949
CONTACT: MATT HERMAN
PHONE: 415/382-4360
FAX: 415/382-1856
SAMPLER: Leah Mullaney
SAMPLER SIGNATURE:

PROJECT: FORMER EXXON 7-0138, 2200 EAST 12TH STREET
P.O.#: 4500219909
PROJECT MGR.: ROB SAUR
EXXONMOBIL T#: 0700-0138-01A
QC DATA: LEVEL II (STANDARD)
DRINKING WATER:
WASTE WATER:
OTHER: X

*Detect analysis to be run with Silica Gel Clean Up.

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE	TPH/BTEX/MTBE 8015m/8020		TPH 8015m*					72 hour TAT	5 day TAT	2wk Results
W-INF	01	2-1-04	1755	2/A	H_2O	None/HCL	X		X					X		X
W-INT-1	02	2-1-04	1750	2/A	H_2O	None/HCL	X		X					X		X
W-INT-2	03	2-1-04	1745	2/A	H_2O	None/HCL	X		X					X		X
W-EFF	04	2-1-04	1740	2/A	H_2O	None/HCL	X		X					X		X

RELINQUISHED BY: DATE: 2-1-04 TIME: 2030 RECEIVED BY: ERI REFER

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: 3/2/04 TIME: 1245

TEMP: 5 C SAMPLE CONTAINERS INTACT: Y N VOA'S FREE OF HEADSPACE: Y N

COMMENTS: Release Authorized 3/3/04 1940

P.2/4
NO. 538
SEQUOIA ANALYTICAL
10:44AM
2004

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERE
REC.-BY (PRINT): EB
WORKORDER: MC0102

DATE REC'D AT LAB: 3-3-04
TIME REC'D AT LAB: 1850
DATE LOGGED IN: 3-4-04

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	RUSH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent; Intact / Broken*			W-THP	2 amber	—	W	3/1-04	
			↓	qt amber	Acid			
2. Chain-of-Custody Present / Absent*			W-THT-1	1 amber	cool			
3. Traffic Reports or Packing List: Present / Absent			W-THT-2	↓	↓	↓	↓	
			PSP	↓	↓	↓	↓	
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: 5 °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

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

3-3-04

ATTACHMENT C

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

HYDROCARBONS REMOVED FROM A VADOSE WELL
SOP-25
Rev: JO'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

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

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

$$21 \times 60 \times 95 \times 0.98 \times 0.97 \times 0.0283 \times 1.050 \times 1/454 = 7.4 \text{ lb.}$$

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)