ExxonMobil Refining & Supply Company Global Remediation – US Retail 4096 Piedmont Avenue #194 Oakland, California 94611 510.547.8196 510.547.8706 Fax jennifer.c.sedlachek@exxonmobil.com

ExonMobil Refining & Supply

April 13, 2006

Mr. Amir Gholami Alameda County Health Care Services Agency Department of Environmental Health 1131 Harbor Bay Parkway, Room 250 Alameda, California 94502-6577 April 20, 2006

ALAMEDA COUNTY ENVIRONMENTAL HEALTH

RE: Former Exxon RAS #7-0238/2200 East 12<sup>th</sup> Street, Oakland California.

Dear Mr. Gholami:

Attached for your review and comment is a copy of the letter report entitled *Groundwater Monitoring and Remediation Status Report, First Quarter 2006,* dated April 13, 2006, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details groundwater monitoring and sampling activities for the subject site.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely, 70 C

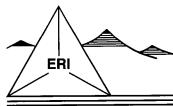
Jennifer C. Sedlachek Project Manager

Attachment: ERI's Groundwater Monitoring and Remediation Status Report, First Quarter 2006, dated April 13, 2006.

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 Ms. Paula Sime, Environmental Resolutions, Inc.



#### ENVIRONMENTAL RESOLUTIONS, INC.

April 13, 2006 ERI 229313.Q061

Ms. Jennifer C. Sedlachek ExxonMobil Refining & Supply - Global Remediation 4096 Piedmont Avenue #194 Oakland, California 94611

**SUBJECT** Groundwater Monitoring and Remediation Status Report, First Quarter 2006 Former Exxon Service Station 7-0238 2200 East 12<sup>th</sup> Street, Oakland, California

#### Bay Area Air Quality Management District Permit to Operate No. 15044 East Bay Municipal Utility District Discharge Permit No. 5051679-1

#### INTRODUCTION

At the request of Exxon Mobil Corporation (Exxon Mobil), Environmental Resolutions, Inc. (ERI) performed first quarter 2006 groundwater monitoring, sampling, and remedial activities at the subject site. This report covers select activities from December 5, 2005, through March 7, 2006. Relevant tables, plates, and attachments are included at the end of this report. Currently, the site operates as a Valero-branded service station.

#### **GROUNDWATER MONITORING AND SAMPLING SUMMARY**

Gauging and sampling date	es:	03/07/06
Wells gauged and sampled	:	MW9A through MW9D, MW9I
Presence of NAPL:		Not observed
Remediation system status	on sampling date:	Active
Laboratory:		Sequoia Analytical, Morgan Hill, California
Analyses performed:	EPA Method 8015B EPA Method 8021B EPA Method 8260B	TPHg BTEX MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE ethanol (select samples)
Waste disposal:		59 gallons of purge and decon water transferred to the remediation system holding tank on 03/07/06

#### **REMEDIATION SYSTEM SUMMARY**

#### **Dual-Phase Extraction System**

The dual-phase extraction (DPE) system simultaneously extracts soil vapor and groundwater from four DPE wells (DPE1 through DPE4) and one groundwater monitoring well (MW9A). In May 2005, groundwater monitoring well MW9A was hooked up to the DPE system. Extracted soil vapor is abated using a catalytic oxidizer prior to atmospheric discharge in compliance with a Bay Area Air Quality Management District (BAAQMD) Permit to Operate. Groundwater extracted by the DPE system is processed through two sediment filters and three 1,000-pound liquid-phase granular activated carbon vessels prior to discharge to the sanitary sewer under provisions of an East Bay Municipal Utility District (EBMUD) discharge permit. On a monthly basis, ERI collects influent and effluent soil vapor samples and water samples from influent, intermediate, and effluent sample ports. During first quarter 2006, the remediation system was operated intermittently and was discharged into a holding tank until abatement efficiency could be verified. After verifying abatement efficiency, the holding tank was discharged, and the system was restarted for continuous operation on March 3, 2006. On March 9, 2006, the system was shut down pending renewal of the groundwater discharge permit.

System start-up date:		March 2004
System discharge permits:	<u>DPE System, Vapor-Phase</u> <u>DPE System, Liquid-Phase</u>	BAAQMD Permit No.15044 EBMUD Wastewater Permit No. 5051679-1
System reporting period:		12/05/05 03/03/06
System modifications during r	eporting period:	None
System status during reporting	g period	Inactive
Laboratory:		Sequoia Analytical, Morgan Hill, California
Effluent analyses performed:	DPE System, Vapor-Phase EPA Method 18M	TPHg, BTEX, MTBE
	<u>DPE System, Liquid-Phase</u> EPA Method 8015B EPA Method 8021B	TPHg BTEX, MTBE

#### System Performance:

DPE System, Vapor-Phase

Period	Mass of TPHg Removed (Pounds)	Mass of Benzene Removed (Pounds)	Mass of MTBE Removed (Pounds)
12/05/05 03/03/06	<1.21	<0.08	<0.30
To Date:	<1,170.97	<10.34	<48.08

#### DPE System, Liquid-Phase

Period	Volume of Groundwater Treated (gal)	Mass of TPHg Removed (pounds)	Mass of Benzene Removed (pounds)	Mass of MTBE Removed (pounds)
12/09/05 03/03/06	11,660	0.024	<0.00023	0.0154
To Date:	396,250	<1.699	<0.0136	1.0606

#### **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 Exxon Mobil, and any reliance on this report by third parties shall be at such party's sole risk.

Please call Ms. Paula Sime, ERI's project manager for this site, at (707) 766-2000 with any questions regarding this report.



Sincerely, Environmenta tions, Inc. Karen L. Nava **Technical Writer** Heiai Heidi Dieffenbach-Carle P.G. 6793

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Attachments:	Table 1A: Table 1B:	Cumulative Groundwater Monitoring and Sampling Data Additional Cumulative Groundwater Monitoring and Sampling Data
	Table 2:	Well Construction Details
	Table 3:	Operation and Performance Data for Dual-Phase Extraction System, Vapor-Phase
	Table 4:	Operation and Performance Data for Dual-Phase Extraction System, Liquid-Phase
	Plate 1:	Site Vicinity Map
	Plate 2:	Select Analytical Results
	Plate 3:	Groundwater Elevation Map
	Attachment B:	Groundwater Sampling Protocol Laboratory Analytical Reports and Chain-of-Custody Records ERI SOP-25: "Hydrocarbons Removed from a Vadose Well"

## TABLE 1A CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 1 of 9)

Well	Sampling	тос	DTW	GW Elev.	SUBJ	TPHg	MTBE 8021B	MTBE 8260B	В	т	E	X
ID	Date	(fmsl)	(fbgs)	(fmsl)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW9A	11/02/95	11.46	7.16	4.30	NLPH	<50	<10		<0.5	< 0.5	<0.5	<0.5
MW9A	04/26/96	11.46	6.33	5.13	NLPH							
MW9A	08/22/96	11.46	7.02	4.44	NLPH							
MW9A	02/24/97	11.46										
MW9A	03/16/98	11.46	6.14	5.32	NLPH	<200	40,000		7.9	<2.0	<2.0	<2.0
MW9A	04/21/98	11.46	6.29	5.17	NLPH	<50	53,000		3.8	<0.5	<0.5	<0.5
MW9A	07/22/98	14.53	6.58	7.95	NLPH	<250	18,000		<2.5	<2.5	<2.5	<2.5
MW9A	12/22/98	14.53	6.47	8.06	NLPH	<50	5,200		<0.5	<0.5	<0.5	<0.5
MW9A	02/26/99	14.53	6.38	8.15	NLPH	<100	10,000		<1.0	<1.0	<1.0	<1.0
MW9A	5/27/99 a	14.53	6.56	7.97	NLPH	<5,000	15,300		<50	<50	<50	<50
MW9A	08/03/99	14.53	9.39	5.14	NLPH	<50	<2.5		<0.5	<0.5	<0.5	<0.5
MW9A MW9A	12/03/99	14.53	6.52	8.01	NLPH	<50	1,400		<0.5	<0.5	<0.5	0.67 b
MW9A	02/29/00	14.53	5.31	9.22	NLPH	<50	20,000		1.2	<0.5	<0.5	<0.5
MW9A	05/18/00	14.53	6.31	8.22	NLPH	<50	14,000	11,000	<0.5	<0.5	<0.5	<0.5
MW9A	07/24/00	14.53	6.54	7.99	NLPH	<50	7,400		<0.5	<0.5	<0.5	<0.5
MW9A	10/09/00	14.53	6.00	8.53	NLPH	<50	2,300		<0.5	<0.5	<0.5	<0.5
MW9A	01/10/01	14.53	6.34	8.19	NLPH	<50	3,700		<0.5	<0.5	<0.5	<0.5
MW9A	04/10/01	14.53	9.31	5.22	NLPH	<50	11,000		<0.5	<0.5	<0.5	<0.5
MW9A	07/12/01	14.53			NLPH	<50	3,600		<0.5	<0.5	<0.5	<0.5
MW9A	8/17/01 c	14.53	6.61	7.92								
MW9A	10/11/01	14.53	7.03	7.50	NLPH	<50	1,700		<0.5	<0.5	<0.5	<0.5
MW9A	10/11/01	14.51		in compliance with								
MW9A	01/11/02	14.51	5.93	8.58	NLPH	2,090 e	31,000 e		18.6 e	<0.50	<0.50	<0.50
MW9A	04/12/02	14.51	6.41	8.10	NLPH	34,300	32,200		<5.00	<5.00	<5.00	<5.00
MW9A	07/12/02	14.51	6.64	7.87	NLPH	6,760	8,070		<0.5	<0.5	<0.5	<0.5
MW9A	10/11/02	14.51	6.76	7.75	NLPH	2,420	2,860	3,040	<0.5	<0.5	<0.5	<0.5
MW9A	01/10/03	14.51	5.90	8.61	NLPH	38,800	51,900		103	15.0	<5.0	13.0
MW9A	04/09/03	14.51	6.38	8.13	NLPH	34,200	38,600		14.0	<5.0	<5.0	<5.0
MW9A	07/22/03	14.51	6.56	7.95	NLPH	20,200	19,500		0.50	<0.5	<0.5	<0.5
MW9A	10/01/03	14.51	6.72	7.79	NLPH	9,460		7,620	0.70	<0.5	<0.5	<0.5
MW9A	01/06/04	14.51	5.89	8.62	NLPH	8,540	11,600		<0.50	<0.5	<0.5	<0.5
MW9A	06/07/04	14.51	6.80	7.71	NLPH	3,470		5,600	<0.50	<0.5	<0.5	<0.5
MW9A	08/30/04 d	14.51										
MW9A	12/13/04	14.51	5.99	8.52	NLPH	1,130		1,360	<0.50	<0.5	<0.5	<0.5
MW9A	03/14/05	14.51	6.03	8.48	NLPH	2,150		2,560	0.80	<0.5	<0.5	<0.5
MW9A	06/08/05	14.51	14.33	0.18	NLPH	1,610		2,040	<0.50	<0.5	<0.5	<0.5
MW9A	09/01/05	14.51	6.50	8.01	NLPH	1,020		1,320	<0.50	<0.50	<0.50	<0.50
MW9A	12/09/05 i	14.51	16.50	-1.99	NLPH	1,140		801	1.16	<0.50	<0.50	<0.50
MW9A	12/30/05	14.51	5.21	9.30	NLPH			renati ter				
MW9A	03/07/06	14.51	16.01	-1.50	NLPH	400		560	<2.5	<2.5	<2.5	<2.5
antisA	30/01/00	14,41										
MW9B	11/02/95	9.80	6.14	3.66	NLPH	130	<10		3.3	<0.5	<0.5	<0.5
MW9B	04/26/96	9.80	5.66	4.14	NLPH	270	70		130	2.8	6.7	<3
MW9B	08/22/96	9.80	6.16	3.64	NLPH	210	31		5.7	6.8	1.1	9.2
10100 30	00/22/00	0.00	0.10	•·• ·								

# TABLE 1A CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 2 of 9)

Mall	Sampling	TOC	DTW	GW Elev.	SUBJ	TPHg	MTBE 8021B	MTBE 8260B	В	Ť	E	X
Weil ID	Date	(fmsl)	(fbgs)	(fmsl)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
	02/24/97	9.80	5.58	4.22	NLPH	1,400	1,300		76	1.4	4.1	1.2
MW9B		12.83	5.32	7.51	NLPH	860	1,500		140	2.0	11	<2.0
MW9B	03/16/98	12.83	5.49	7.34	NLPH	1,800	18,000		300	<5.0	7.9	<5.0
MW9B	04/21/98		5.79	7.04	NLPH	<500	26,000		13	<5.0	<5.0	<5.0
MW9B	07/22/98	12.83	5.69	7.14	NLPH	700	21,000		110	3.1	9.1	14
MW9B	12/22/98	12.83	5.10	7.73	NLPH	8,800	8,000		2,000	<25	52	38
MW9B	02/26/99	12.83	5.65	7.18	NLPH	<10,000	42,100		158	<100	<100	<100
MW9B	05/18/99	12.83	6.24	6.59	NLPH	960	24,900		<5.0	<5.0	<5.0	<5.0
MW9B	08/03/99	12.83		7.17	NLPH	<50	1,000		<0.5	<0.5	<0.5	<0.5
MW9B	12/03/99	12.83	5.66		NLPH	3,100	25,000		900	7	23	7.1
MW9B	02/29/00	12.83	4.61	8.22	NLPH	780	34,000	26,000	150	<2.5	4.5	<2.5
MW9B	05/18/00	12.83	5.54	7.29		<250	39,000		8	<2.5	<2.5	<2.5
MW9B	07/24/00	12.83	8.75	4.08	NLPH		30,000		1.7	<0.5	<0.5	<0.5
MW9B	10/09/00	12.83	4.84	7.99	NLPH	<1,200	32,000		5.3	<0.5	<0.5	<0.5
MW9B	01/10/01	12.83	5.56	7.27	NLPH	<250	27,000		69.0	<2.5	22.0	29.8
MW9B	04/10/01	12.83	5.40	7.43	NLPH	360			<2.5	<2.5	<2.5	<2.5
MW9B	07/12/01	12.83			NLPH	<250	41,000		-2.5	-2.0		
MW9B	08/17/01 c	12.83	5.83	7.00					<2.5	<2.5	<2.5	<2.5
MW9B	10/11/01	12.83	8.70	4.13	NLPH	<250	24,000		<2.5	~2.5	~2.5	·2.0
MW9B	Nov-01	12.84	Well surveyed i	n compliance with	n AB2886 requ	irements.			66 <b>0</b> -	<10.0	54.0	<10.0
MW9B	01/11/02	12.84	5.16	7.68	NLPH	9,170 e	14,600 e		66.0 e		<5.00	<5.00
MW9B	04/12/02	12.84	5.57	7.27	NLPH	29,600	28,600		12.0	<5.00		16.0
MW9B	07/12/02	12.84	5.81	7.03	NLPH	20,200	27,700		<10.0	14.0	<10.0	<0.5
MW9B	10/11/02 f	12.84	5.91	6.93	NLPH	18,900	24,300	28,200	2.3	<0.5	<0.5	<0.5 3.6
MW9B	01/10/03	12.84	5.09	7.75	NLPH	14,900	18,600		118	1.0	6.5	3.6 <5.0
MW9B	04/09/03	12.84	5.51	7.33	NLPH	21,800	24,900		51.0	<5.0	<5.0	
MW9B	07/22/03	12.84	6.09	6.75	NLPH	33,500	36,900		<0.50	<0.5	<0.5	<0.5
MW9B	10/01/03	12.84	6.16	6.68	NLPH	25,500		19,100	1.10	<0.5	<0.5	<0.5
MW9B	01/06/04	12.84	5.14	7.70	NLPH	10,400		15,700	16.9	1.8	18.6	1.7
MW9B	06/07/04	12.84	9.47	3.37	NLPH	3,910		1,960	<0.50	<0.5	<0.5	<0.5
MW9B	08/30/04	12.84	h	h	ħ	954h		925h	<0.50h	<0.5h	<0.5	<0.5
MW9B	12/13/04	12.84	4.96	7.88	NLPH	233		140	0.90	<0.5	<0.5	<0.5
	03/14/05	12.84	5.52	7.32	NLPH	523		504	<0.50	<0.5	<0.5	<0.5
MW9B		12.84	6.70	6.14	NLPH	114		130	<0.50	<0.5	<0.5	<0.5
MW9B	06/08/05	12.84	5.92	6.92	NLPH	90.5		82.6	0.55	<0.50	<0.50	<0.50
MW9B	09/01/05		8.46	4.38	NLPH	207		149	<0.50	<0.50	<0.50	<0.50
MW9B	12/09/05	12.84	4.59	8.25	NLPH							
MW9B	12/30/05	12.84		6.43	NLPH	98		64	<0.50	<0.50	<0.50	<0.5
MW9B	03/07/06	12.84	6.41	0.43	1467.11	~~						
MW9C	11/02/95	11.14										
MW9C	04/26/96	11.14										
MW9C	08/22/96	11.14										
MW9C	02/24/97	11.14							—			
MW9C	03/16/98	11.14	5.51	5.63	NLPH	<500	150,000		24	<5.0	<5.0	<5.0
WIVY 9C	03/10/98	11.14	5.83	5.31	NLPH	150	130.000	150,000	<0.5	<0.5	<0.5	< 0.5

# TABLE 1A CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 3 of 9)

		TOC	DTW	GW Elev.	SUBJ	TPHg	MTBE 8021B	MTBE 8260B	В	T	Ē	X
Well	Sampling	TOC		(fmsl)	0000	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
ID	Date	(fmsl)	(fbgs) 6.43	7.76	NLPH	<500	95,000		<5.0	<5.0	<5.0	<5.0
MW9C	07/22/98	14.19	6.16	8.03	NLPH	<500	84,000		<5.0	<5.0	<5.0	<5.0
MW9C	12/22/98	14.19	5.46	8.03	NLPH	<250	55,000		<2.5	<2.5	<2.5	<2.5
MW9C	02/26/99	14.19		7.92	NLPH	<25,000	68,900		<250	<250	<250	<250
MW9C	05/18/99	14.19	6.27	7.06	NLPH	210	69,200		<1.0	1.3	<1.0	<1.0
MW9C	08/03/99	14.19	7.13	8.02	NLPH	290	50,000		<2.5	<2.5	<2.5	<2.5
MW9C	12/03/99	14.19	6.17	9.70	NLPH	<250	40,000		<2.5	<2.5	<2.5	<2.5
MW9C	02/29/00	14.19	4.49	8.23	NLPH	<250	46,000	33,000	<2.5	<2.5	<2.5	<2.5
MW9C	05/18/00	14.19	5.96	6.23 7.72	NLPH	<250	44,000		<2.5	<2.5	<2.5	<2.5
MW9C	07/24/00	14.19	6.47	7.62	NLPH	<250	39,000		<2.5	<2.5	<2.5	<2.5
MW9C	10/09/00	14.19	6.57	8.10	NLPH	<250	42,000		<2.5	<2.5	<2.5	<2.5
MW9C	01/10/01	14.19	6.09		NLPH	<250	35,000		<2.5	<2.5	<2.5	<2.5
MW9C	04/10/01	14.19	7.88	6.31	NLPH	<250	32,000		<2.5	<2.5	<2.5	<2.5
MW9C	07/12/01	14.19				~250	02,000					
MW9C	8/17/01 c	14.19	6.60	7.59	NLPH	<250	53,000		<2.5	<2.5	<2.5	<2.5
MW9C	10/11/01	14.19	6.67	7.52			35,000					
MW9C	Nov-01	14.16		n compliance with	AB2880 requ	2,470 e	90,000 e		0.90 e	<0.50	<0.50	<0.50
MW9C	01/11/02	14.16	5.29	8.87	NLPH NLPH	2,470 e 70,400	66,800		<5.00	<5.00	<5.00	<5.00
MW9C	04/12/02	14.16	6.14	8.02		70,400 50,900	58,300		<500	<500	<500	<500
MW9C	07/12/02	14.16	6.54	7.62	NLPH		58,800	76,000	<10.0	<10.0	<10.0	<10.0
MW9C	10/11/02	14.16	6.73	7.43	NLPH	52,100 40,600	55,500		<0.5	<0.5	<0.5	<0.5
MW9C	01/10/03	14.16	5.21	8.95	NLPH		29,600		<5.00	<5.0	<5.0	<5.0
MW9C	04/09/03	14.16	6.08	8.08	NLPH	24,700 13,800	13,100		1.40	<0.5	<0.5	<0.5
MW9C	07/22/03	14.16	6.47	7.69	NLPH	9,100		38,400	0.70	<0.5	<0.5	<0.5
MW9C	10/01/03	14.16	6.62	7.54	NLPH			5,020	0.70	<0.5	<0.5	<0.5
MW9C	01/06/04	14.16	4.86	9.30	NLPH	4,160 4,480		3,420	<0.50	<0.5	<0.5	<0.5
MW9C	06/07/04	14.16	7.35	6.81	NLPH	4,400 1,950h		1,950h	<0.50h	<0.5h	<0.5h	<0.5h
MW9C	08/30/04	14.16	h	h	h	610		705	<0.50	<0.5	<0.5	<0.5
MW9C	12/13/04	14.16	5.03	9.13	NLPH	906	+	1,110	<0.50	<0.5	<0.5	<0.5
MW9C	03/14/05	14.16	5.63	8.53	NLPH	900 854		1,100	<0.50	<0.5	<0.5	<0.5
MW9C	06/08/05	14.16	12.75	1.41	NLPH			409	<0.50	< 0.50	<0.50	<0.50
MW9C	09/01/05	14.16	6.95	7.21	NLPH	361		171	<0.50	<0.50	<0.50	<0.50
MW9C	12/09/05	14.16	7.54	6.62	NLPH	217						
MW9C	12/30/05	14.16	4.21	9.95	NLPH			480	<2.0	<2.0	<2.0	<2.0
MW9C	03/07/06	14.16	12.48	1.68	NLPH	320		400	-2.0			
							<u></u>					
MW9D	11/02/95	12.90										
MW9D	04/26/96	12.90										
MW9D	08/22/96	12.90										
MW9D	02/24/97	12.90				<50	10		<0.5	<0.5	<0.5	<0.5
MW9D	03/16/98	12.90	6.94	5.96		<50 <50	12		<0.5	<0.5	<0.5	<0.5
MW9D	04/21/98	12.90	7.22	5.68		<50 <50	12		<0.5	<0.5	<0.5	<0.5
MW9D	07/22/98	15.98	7.85	8.13	NLPH	<50 <50	13		<0.5	<0.5	<0.5	<0.5
MW9D	12/22/98	15.98	7.58	8.40	NLPH		310		<0.5	<0.5	< 0.5	<0.5
MW9D	02/26/99	15.98	6.42	9.56	NLPH	<50	310		5.0	0.0		

# TABLE 1A CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 4 of 9)

Well	Sampling	TOC	DTW	GW Elev.	SUBJ	TPHg	MTBE 8021B	MTBE 8260B	В	Т	E	X
ID	Date	(fmsl)	(fbgs)	(fmsl)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW9D	05/18/99	15.98	6.55	9.43	NLPH	<2,500	13,500		<25	<25	<25	<25
MW9D	08/03/99	15.98	8.34	7.64	NLPH	<50	<2.5		<0.5	<0.5	<0.5	<0.5
MW9D	12/03/99	15.98	7.56	8.42	NLPH	<50	<2		<0.5	<0.5	<0.5	<0.5
MW9D	02/29/00	15.98	4.82	11.16	NLPH	<50	2.5		<0.5	<0.5	<0.5	<0.5
MW9D	05/18/00	15.98	7.40	8.58	NLPH	<50	6.2		<0.5	<0.5	<0.5	<0.5
MW9D	07/24/00	15.98	7.91	8.07	NLPH	<50	14		<0.5	<0.5	0.85	0.74
MW9D	10/09/00	15.98	8.02	7.96	NLPH	<50	14		<0.5	<0.5	<0.5	<0.5
MW9D	01/10/01	15.98	7.26	8.72	NLPH	<50	18		<0.5	<0.5	<0.5	<0.5
MW9D	04/10/01	15.98	7.32	8.66	NLPH	<50	14		<0.5	<0.5	<0.5	<0.5
MW9D	07/12/01	15.98		-	NLPH	<50	22		<0.5	<0.5	<0.5	<0.5
MW9D MW9D	08/17/01 d	15.98										
MW9D	10/11/01	15.98	8.16	7.82	NLPH	<50	24		<0.5	<0.5	<0.5	<0.5
MW9D MW9D	Nov-01	15.97		n compliance with	AB2886 requi	irements.						
MW9D	01/11/02	15.97	6.64	9.33	NLPH	352 e	2.0 e		<0.50	<0.50	<0.50	<0.50
MW9D	04/12/02	15.97	7.58	8.39	NLPH	191	192		<0.50	<0.50	<0.50	<0.50
MW9D MW9D	07/12/02	15.97	8.01	7.96	NLPH	108	124		<0.5	<0.5	<0.5	<0.5
	10/11/02	15.97	8.13	7.84	NLPH	187	243		<0.5	<0.5	<0.5	<0.5
MW9D	01/10/03	15.97	5.98	9.99	NLPH	386	132		4.1	<0.5	<0.5	<0.5
MW9D		15.97	7.53	8.44	NLPH	468	292		3.80	<0.5	<0.5	<0.5
MW9D	04/09/03	15.97	7.87	8.10	NLPH	446	339		0.70	<0.5	<0.5	<0.5
MW9D	07/22/03	15.97	8.04	7.93	NLPH	402		362	<0.50	<0.5	<0.5	<0.5
MW9D	10/01/03	15.97	6.31	9.66	NLPH	72.2		80.9	<0.50	<0.5	<0.5	<0.5
MW9D	01/06/04	15.97	8.17	7.80	NLPH	237		353	<0.50	<0.5	<0.5	<0.5
MW9D	06/07/04		0.17 									
MW9D	08/30/04 d	15.97 15.97	5.39	10.58	NLPH	379		353	4.80	0.7	<0.5	0.9
MW9D	12/13/04	15.97	5.59 6.93	9.04	NLPH	<50.0		13.8	<0.50	<0.5	<0.5	<0.5
MW9D	03/14/05		8.83	7.14	NLPH	<50.0		57.2	<0.50	<0.5	<0.5	<0.5
MW9D	06/08/05	15.97	7.99	7.98	NLPH	64.3		51.8	<0.50	<0.50	<0.50	<0.50
MW9D	09/01/05	15.97	7.99	8.01	NLPH	56.3		33.0	<0.50	<0.50	<0.50	<0.50
MW9D	12/09/05	15.97										
MW9D	12/30/05 d	15.97		9.78	NLPH	<50		9.3	<0.50	<0.50	<0.50	<0.50
MW9D	03/07/06	15.97	6.19	9.70	NEFT	-00						
	44/00/05	8.37										
MW9F	11/02/95				NLPH	<50	57		<0.5	<0.5	<0.5	<0.5
MW9F	04/26/96	8.37			NLPH	<50	5.8		<0.5	<0.5	<0.5	<0.5
MW9F	08/22/96	8.37			NLPH	<50	<30		<0.5	<0.5	<0.5	<0.5
MW9F	02/24/97	8.37			NLPH							
MW9F	03/16/98	8.37			INLF11							
MW9F	04/21/98	8.37										
MW9F	07/22/98	11.38		 5 01	NLPH	<50	81		<0.5	<0.5	<0.5	<0.5
MW9F	12/22/98	11.38	5.47	5.91	NLPH	<50 <50	<2.5		< 0.5	< 0.5	<0.5	<0.5
MW9F	02/26/99	11.38	5.35	6.03	NLPH	<50 <50	~2.5 61.6		<0.5	<0.5	<0.5	<0.5
MW9F	05/18/99	11.38	5.62	5.76		<50 <50	3.10		<0.5	<0.5	<0.5	<0.5
MW9F	08/03/99	11.38	6.32	5.06		<50 <50	<2		<0.5	<0.5	0.71	<0.5
MW9F	12/03/99	11.38	5.59	5.79	NLPH	< <u>50</u>	~~		-0.0	-0.0		,,,,

## TABLE 1A CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 5 of 9)

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Well	Sampling	TOC	DTW	GW Elev.	SUBJ	TPHg	MTBE 8021B	MTBE 8260B	В	т	E	X
ID	Date	(fmsl)	(fbgs)	(fmsl)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW9F	02/29/00	11.38	4.70	6.68	NLPH	<50	52		<0.5	<0.5	<0.5	<0.5
MW9F	05/18/00	11.38	5.37	6.01	NLPH	<50	65		<0.5	<0.5	<0.5	<0.5
MW9F	07/24/00	11.38	5.65	5.73	NLPH	<50	170		<0.5	<0.5	<0.5	<0.5
MW9F	10/09/00	11.38	5.71	5.67	NLPH	<50	170		<0.5	<0.5	<0.5	<0.5
MW9F	01/10/01	11.38	4.30	7.08	NLPH	<50	140		<0.5	<0.5	<0.5	<0.5
MW9F	04/10/01	11.38	5.20	6.18	NLPH	<50	50		<0.5	<0.5	<0.5	<0.5
MW9F	07/12/01	11.38			NLPH	<50	190		<0.5	<0.5	<0.5	<0.5
MW9F	08/17/01 d	11.38									-	
MW9F	10/11/01	11.38	5.82	5.56	NLPH	<50	260		<0.5	<0.5	<0.5	<0.5
MW9F	Nov-01	11.38	Well surveyed	in compliance with	AB2886 requ	irements.						
MW9F	01/11/02	11.38	5.12	6.26	NLPH	<100	67.0 e		<1.00	<1.00	<1.00	<1.00
MW9F	04/12/02	11.38	5.50	5.88	NLPH	55.9	58.6		<0.50	<0.50	<0.50	<0.50
MW9F	07/12/02	11.38	5.65	5.73	NLPH	102	121		<0.5	<0.5	<0.5	<0.5
MW9F	10/11/02	11.38	5.67	5.71	NLPH	99.9	128	138	<0.5	<0.5	<0.5	<0.5
MW9F	01/10/03	11.38	5.09	6.29	NLPH	<50.0	45.5		<0.5	<0.5	<0.5	<0.5
MW9F	04/09/03	11.38	5.39	5.99	NLPH	<50.0	50.8		<0.50	<0.5	<0.5	<0.5
MW9F	07/22/03	11.38	5.52	5.86	NLPH	82.3	64.0		<0.50	<0.5	<0.5	<0.5
MW9F	10/01/03	11.38	5.59	5.79	NLPH	67.0		56.4	<0.50	<0.5	<0.5	<0.5
MW9F	01/06/04	11.38	5.21	6.17	NLPH	<50.0		36.7	<0.50	<0.5	<0.5	<0.5
MW9F	06/07/04	11.38	6.03	5.35	NLPH	<50.0		20.5	<0.50	<0.5	<0.5	<0.5
MW9F	08/30/04	11.38	h	h	h	<50.0h		14.0h	<0.50h	<0.5h	<0.5h	<0.5h
MW9F	12/13/04	11.38	4.80	6.58	NLPH	<50.0		13.4	<0.50	<0.5	<0.5	<0.5
MW9F	03/14/05	11.38	5.10	6.28	NLPH	<50.0	-	4.20	<0.50	<0.5	<0.5	<0.5
MW9F	06/08/05	11.38	5.38	6.00	NLPH	<50.0		8.70	<0.50	<0.5	<0.5	<0.5
MW9F	09/01/05	11.38	5.53	5.85	NLPH	<50.0		19.6	<0.50	<0.50	<0.50	<0.50
MW9F	12/09/05 j	11.38										
MW9F	12/30/05	11.38	4.81	6.57	NLPH	<50.0		7.01	<0.50	<0.50	<0.50	<0.50
MW9F	03/07/06 j	11.38										
MW9G	11/02/95	9.95	5.92	4.03	NLPH	<50	<10		<0.5	<0.5	<0.5	<0.5
MW9G	04/26/96	9.95	5.28	4.67	NLPH	<50	18		<0.5	<0.5	<0.5	<0.5
MW9G	08/22/96	9.95	5.57	4.38	NLPH	<50	18		<0.5	<0.5	<0.5	<0.5
MW9G	02/24/97	9,95	5.30	4.65	NLPH	<50	240		<0.5	0.57	<0.5	0.62
MW9G	03/16/98	9.95										
MW9G	04/21/98	9.95										
MW9G	07/22/98	12.99										
MW9G	12/22/98	12.99	5.28	7.71	NLPH	<50	1,100		<0.5	<0.5	<0.5	<0.5
MW9G	02/26/99	12.99	5.31	7.68	NLPH	<50	50		<0.5	<0.5	<0.5	<0.5
MW9G	05/18/99	12.99	5.18	7.81	NLPH	<1,000	3,990		<10	<10	<10	<10
MW9G	08/03/99	12.99	6.00	6.99	NLPH	<50	1,340		<0.5	<0.5	<0.5	<0.5
MW9G	12/03/99	12.99	5.27	7.72	NLPH	<50	<2		<0.5	<0.5	<0.5	0.55 b
MW9G	02/29/00	12.99	4.60	8.39	NLPH	<50	7,900		<0.5	<0.5	<0.5	<0.5
MW9G	05/18/00	12.99	5.16	7.83	NLPH	<50	2,400		<0.5	<0.5	<0.5	<0.5
MW9G	07/24/00	12.99	5.20	7.79	NLPH	<50	1,000		<0.5	<0.5	<0.5	<0.5
10100	01124/00	12.00	0.20									

# TABLE 1A CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 6 of 9)

	Vell	Sampling	тос	DTW	GW Elev.	SUBJ	TPHg	MTBE 8021B	MTBE 8260B	В	T	E	X
	ID	Date	(fmsl)	(fbgs)	(fmsl)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
	N9G	10/09/00	12.99	5.26	7.73	NLPH	<50	180		<0.5	<0.5	<0.5	<0.5
	N9G	01/10/01	12.99	5.18	7.81	NLPH	<50	1,200		<0.5	<0.5	<0.5	<0.5
	N9G	04/10/01	12.99	5.08	7.91	NLPH	<50	9,100		<0.5	<0.5	<0.5	<0.5
	N9G	07/12/01	12.99			NLPH	<50	3,000		<0.5	<0.5	<0.5	<0.5
	N9G	8/17/01 d	12.99										
	N9G	10/11/01	12.99	5.48	7.51	NLPH	<50	1,600		<0.5	<0.5	<0.5	<0.5
	N9G	Nov-01	12.98	Well surveyed i	in compliance with	AB2886 requi	irements.						
	N9G	01/11/02	12.98	4.97	8.01	NLPH	419 e	945 e		<0.50	<0.50	<0.50	<0.50
	N9G	04/12/02	12.98	5.12	7.86	NLPH	10,700	11,000		<0.50	<0.50	<0.50	<0.50
	N9G	07/12/02	12.98	5.31	7.67	NLPH	2,310	3,140		<0.5	<0.5	<0.5	<0.5
	N9G	10/11/02	12.98	5.39	7.59	NLPH	1,630	2,040	2,090	<0.5	<0.5	<0.5	<0.5
	N9G	01/10/03	12.98	4.90	8.08	NLPH	367	566		<0.5	<0.5	<0.5	<0.5
	N9G	04/09/03	12.98	5.15	7.83	NLPH	3,730	3,990	<del>~~~</del>	<0.50	<0.5	<0.5	<0.5
	N9G	07/22/03	12.98	5.30	7.68	NLPH	1,070	968		<0.50	<0.5	<0.5	<0.5
	N9G	10/01/03	12.98	5.41	7.57	NLPH	1,300		1,570	<0.50	<0.5	<0.5	<0.5
	N9G	01/06/04	12.98	4.92	8.06	NLPH	568		918	<0.50	<0.5	<0.5	<0.5
	N9G	06/07/04	12.98	5.49	7.49	NLPH	457		324	<0.50	<0.5	<0.5	<0.5
	N9G	08/30/04	12.98	h	h	h	428h		369h	<0.50h	<0.5h	<0.5h	<0.5h
	N9G	12/13/04	12.98	5.01	7.97	NLPH	1,030		1,030	<0.50	<0.5	<0.5	<0.5
	W9G	03/14/05	12.98	4.98	8.00	NLPH	395		451	<0.50	<0.5	<0.5	<0.5
	N9G	06/08/05	12.98	5.54	7.44	NLPH	333		404	<0.50	<0.5	<0.5	<0.5
	W9G	09/01/05	12.98	6.35	6.63	NLPH	218		308	<0.50	<0.50	<0.50	0.63
	W9G	12/09/05 j	12.98										
	W9G	12/30/05	12.98	4.83	8.15	NLPH	75.3		69.9	<0.50	<0.50	<0.50	<0.50
	W9G	03/07/06 j	12.98										
		••••••											
M۱	W9H	11/02/95	8.58	8.40	0.18	NLPH	<50	<10		<0.5	<0.5	<0.5	<0.5
	W9H	04/26/96	8.58	8.05	0.53	NLPH							
	W9H	08/22/96	8.58	8.17	0.41	NLPH						=	
	W9H	02/24/97	8.58										
	W9H	03/16/98	8.58		~~-								
	W9H	04/21/98	8.58										
M	W9H	07/22/98	11.61										
	W9H	12/22/98	11.61	7.81	3.80	NLPH	<50	<2.5		<0.5	<0.5	<0.5	<0.5
	W9H	02/26/99	11.61	7.61	4.00	NLPH	<50	<2.5		<0.5	<0.5	<0.5	<0.5
	W9H	05/18/99	11.61	8.00	3.61	NLPH	<50	3.98		<0.5	<0.5	<0.5	<0.5
	W9H	08/03/99	11.61	6.05	5.56	NLPH	<50	<2.5	~~~	<0.5	<0.5	<0.5	<0.5
	W9H	12/03/99	11.61	5.32	6.29	NLPH	<50	<2		<0.5	<0.5	<0.5	0.57 b
	W9H	02/29/00	11.61	7.10	4.51	NLPH	<50	<2		<0.5	<0.5	<0.5	<0.5
	W9H	05/18/00	11.61	7.84	3.77	NLPH	<50	9.7		<0.5	<0.5	<0.5	<0.5
	W9H	07/24/00	11.61	7.94	3.67	NLPH	<50	17		<0.5	<0.5	<0.5	<0.5
	W9H	10/09/00	11.61	8.09	3.52	NLPH	<50	13		<0.5	<0.5	<0.5	1.1
		01/10/01	11.61	7.89	3.72	NLPH	<50	11		<0.5	<0.5	<0.5	0.5
1417	W9H	01/10/01	11.01	1.09	2.90		<50	44		<0.5	0.78	0.52	2.36

## TABLE 1A CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 7 of 9)

	Compling	тос	DTW	GW Elev.	SUBJ	TPHg	MTBE 8021B	MTBE 8260B	В	Т	Ē	X
Well	Sampling	(fmsl)	(fbgs)	(fmsl)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
ID	Date	11.61	(1095)		NLPH	<50	28		<0.5	<0.5	<0.5	<0.5
MW9H	07/12/01	11.61										
MW9H	8/17/01 d		8.15	3.46	NLPH	<50	30		<0.5	<0.5	<0.5	<0.5
MW9H	10/11/01	11.61	Woll outvoyod	in compliance with								
MW9H	Nov-01	11.59	7.48	4.11	NLPH	<50.0	20.5 e		<0.50	<0.50	<0.50	<0.50
MW9H	01/11/02	11.59		3.91	NLPH	<50.0	32.8		<0.50	<0.50	<0.50	<0.50
MW9H	04/12/02	11.59	7.68	3.53	NLPH	<50.0	34.6		<0.5	<0.5	<0.5	<0.5
MW9H	07/12/02	11.59	8.06	3.76	NLPH	<50.0	33.1	28.7	<0.5	<0.5	<0.5	<0.5
MW9H	10/11/02	11.59	7.83		NLPH	<50.0	16.0		0.5	0.8	0.6	1.8
MW9H	01/10/03	11.59	7.39	4.20	NLPH	<50.0	26.8		<0.50	<0.5	<0.5	<0.5
MW9H	04/09/03	11.59	7.69	3.90	NLPH	<00.0 55.3	34.7		<0.50	<0.5	<0.5	<0.5
MW9H	07/22/03	11.59	7.94	3.65	NLPH	<50.0		32.3	<0.50	<0.5	<0.5	0.9
MW9H	10/01/03	11.59	7.93	3.66		<50.0 <50.0		10	<0.50	<0.5	<0.5	<0.5
MW9H	01/06/04	11.59	7.27	4.32	NLPH	<00.0 50.6		71.7	<0.50	<0.5	<0.5	<0.5
MW9H	06/07/04	11.59	7.99	3.60	NLPH			51.0h	<0.50h	<0.5h	<0.50h	<0.5h
MW9H	08/30/04	11.59	h	h	h	64.2h <50.0		14.0	<0.50	<0.5	0.5	1.2
MW9H	12/13/04	11.59	7.22	4.37	NLPH			27.4	<0.50	<0.5	<0.5	<0.5
MW9H	03/14/05	11.59	6.96	4.63	NLPH	<50.0		68.8	<0.50	<0.5	<0.5	<0.5
MW9H	06/08/05	11.59	7.53	4.06	NLPH	52.6		71.6	<0.50	< 0.50	<0.50	<0.50
MW9H	09/01/05	11.59	7.82	3.77	NLPH	140			-0.00			
MW9H	12/09/05 j							13.7	<0.50	<0.50	<0.50	<0.50
MW9H	12/30/05	11.59	7.27	4.32	NLPH	<50.0			-0.00			
MW9H	03/07/06 j	11.59										
							-10		<0.5	<0.5	<0.5	<0.5
MW9I	11/02/95	10.11	6.04	4.07	NLPH	<50	<10		<0.5 <0.5	<0.5	<0.5	<0.5
MW9I	04/26/96	10.11	5.27	4.84	NLPH	<50	99		<0.5 <0.5	<0.5	<0.5	<0.5
MW91	08/22/96	10.11	5.66	4.45	NLPH	<50	170		<0.5 <0.5	<0.5	<0.5	<0.5
MW9I	02/24/97	10.11	5.24	4.87	NLPH	120	9,100		13	<2.0	<2.0	<2.0
MW9I	03/16/98	10.11	4.91	5.20	NLPH	<200	59,000		<5.0	<2.0 <5.0	<5.0	<5.0
MW9I	04/21/98	10.11	5.08	5.03	NLPH	<500	59,000			<5.0 <5.0	<5.0	<5.0
MW9I	07/22/98	13.14	5.44	7.70	NLPH	<500	62,000		<5.0		<0.5	<0.5
MW9I	12/22/98	13.14	5.32	7.82	NLPH	200	51,000		1.7	<0.5	<0.5 <5.0	<5.0
MW91	02/26/99	13.14	4.71	8.43	NLPH	<500	9,700		<5.0	<5.0	< <u>5.0</u> <10	<10
MW9I	05/18/99	13.14	5.30	7.84	NLPH	<1,000	3,730		<10	<10	<0.5	<0.5
MW9I	08/03/99	13.14	5.98	7.16	NLPH	<50	21,900		<0.5	0.650		< <u>0.5</u> 14
MW9I	12/03/99	13.14	5.31	7.83	NLPH	<250	2,000		3.9	2.9	<2.5	<0.5
MW9I	02/29/00	13.14	4.20	8.94	NLPH	50	16,000		0.74	<0.5	<0.5	<0.5 <0.5
MW9I	05/18/00	13.14	5.12	8.02	NLPH	<50	2,900		<0.5	<0.5	<0.5	<0.5 <2.5
MW91	07/24/00	13.14	5.41	7.73	NLPH	<250	43,000		<2.5	<2.5	<2.5	
MW91	10/09/00	13.14	5.41	7.73	NLPH	<2,500	54,000		1.6	<0.5	<0.5	<0.5
MW9I	01/10/01	13.14	5.24	7.90	NLPH	<250	36,000		<2.5	<2.5	<2.5	<2.5
	04/10/01	13.14	4.84	8.30	NLPH	<50	4,800		<0.5	<0.5	<0.5	<0.5
MW9I	07/12/01	13.14			NLPH	<50	8,400		<0.5	<0.5	<0.5	<0.5
MW9I		13.14	6.49	6.65								
MW91	08/17/01	13.14	5.64	7.50	NLPH	<250	38,000		<2.5	<2.5	<2.5	<2.5
MW9I	10/11/01	15.14	0.04	7.00								

# TABLE 1A CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 8 of 9)

	Compling	TOC	DTW	GW Elev.	SUBJ	TPHg	MTBE 8021B	MTBE 8260B	В	Т	E	X
Well	Sampling			(fmsl)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
ID	Date	(fmsl)	(fbgs)		AB2886 requi							
MW9I	Nov-01	13.13		n compliance with	NLPH	1,330 e	5,400 e		4.80 e	<0.50	<0.50	<0.50
MW91	01/11/02	13.13	4.80	8.33		•	1,480		<0.50	< 0.50	<0.50	<0.50
MW9I	04/12/02	13.13	5.22	7.91	NLPH	1,460	•		<0.5	<0.5	<0.5	<0.5
MW9I	07/12/02	13.13	5.50	7.63	NLPH	4,460	6,490				<5.0	<5.0
MW9I	10/11/02	13.13	5.35	7.78	NLPH	31,300	37,700	51,000	<5.0	<5.0		
MW9I	01/10/03	13.13	4.75	8.38	NLPH	4,820	6,180		9.4	0.7	1.1	1.3
MW9I	04/09/03	13.13	5.15	7.98	NLPH	2,130	1,510		22.3	1.9	1.5	1.5
MW9I	07/22/03	13.13	5.50	7.63	NLPH	2,330	2,540		1.60	<0.5	<0.5	<0.5
	10/01/03	13.13	5.65	7.48	NLPH	6,080		4,610	1.00	<0.5	<0.5	<0.5
MW9I		13.13	4.50	8.63	NLPH	175		61.3	0.90	<0.5	0.5	<0.5
MW9I	01/06/04		6.87	6.26	NLPH	4,620		3,410	<0.50	<0.5	<0.5	<0.5
MW9I	06/07/04	13.13			h	817h		847h	<0.50h	<0.5h	<0.5h	<0.5h
MW9i	08/30/04	13.13	h	h	NLPH	<50.0		14.4	<0.50	<0.5	<0.5	<0.5
MW9I	12/13/04	13.13	4.47	8.66				44.9	<0.50	<0.5	<0.5	<0.5
MW9I	03/14/05	13.13	5.05	8.08	NLPH	96.7	~~~		<0.50 <0.50	<0.5	<0.5	0.8
MW9I	06/08/05	13.13	6.47	6.66	NLPH	1,230		321			<0.50	<0.50
MW9I	09/01/05	13.13	5.60	7.53	NLPH	170		62.3	1.22	0.77		
MW9I	12/09/05	13.13	6.82	6.31	NLPH	78.3		81.0	<0.50	0.58	<0.50	<0.50
MW9I	12/30/05	13.13	4.23	8.90	NLPH							
MW91	03/07/06	13.13	5.08	8.05	NLPH	<50		0.96	<0.50	<0.50	<0.50	<0.50

### TABLE 1A CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 9 of 9)

Notes:		
SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in well.
TOC	=	Top of well casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	÷	Groundwater elevation; datum is mean sea level
TPHg	Ξ	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	Ŧ	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
fbgs	=	Feet below ground surface.
<	z	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 or analyzed.
µg/L	=	Micrograms per liter.
a	=	Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 5/27/99.
b	Ξ	Analyte detected in the trip blank and/or bailer blank.
С	=	Due to measurement error during initial sampling event, DTW was re-measured on August 17, 2001. No samples were taken.
d	=	Well inaccessible.
е	=	Samples collected after fourth quarter 2001 analyzed by TestAmerica Incorporated. Reported concentrations may be affected by differing laboratory quantitation methods.
f	=	Sample erroneously labeled MA9B on Chain-of-Custody form and laboratory report.
g	=	Insufficient sample volume to perform analyses.
ĥ	=	Groundwater elevation data invalidated; analytical results suspect.
i	=	Well sampled using no-purge method.
j	=	Well not gauged and/or sampled due to encroachment permit restrictions.

ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Former Exxon Service Station 7-0238

2200 East 12th Street

Oakland, California

(Page 1 of 4)

Well	Sampling	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
ID	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW9A	11/02/95 - 07/12/	02 Not analyzed for	these analytes.					
MW9A	10/11/02	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	
MW9A	01/10/03							
MW9A	04/09/03							
MW9A	07/22/03							
MW9A	10/01/03	<0.50	2.80	1,100	<0.50	<0.50	<0.50	
MW9A	01/06/04	<0.50	4.90	11,900	<0.50	<0.50	<0.50	
MW9A	06/07/04							<2,500
	08/30/04 h							
MW9A								
MW9A	12/13/04	<0.50	1.00	14,400	<0.50	<0.50	<0.50	<50.0
MW9A	03/14/05	<0.50 <0.50	<0.50	22,400	<0.50	<0.50	<0.50	<100
MW9A	06/08/05							
MW9A	09/01/05							
MW9A	12/09/05							
MW9A	12/30/05		 <5.0	5,600	<5.0	<5.0	<5.0	<1,000
MW9A	03/07/06	<5.0	<5.0	5,000	-0.0	-010		
	44/00/05 07/12	/02 Not analyzed for	these analytes					
MW9B		<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	
MW9B	10/11/02 f							
MW9B	01/10/03							
MW9B	04/09/03							
MW9B	07/22/03		9.70	2,430	<0.50	<0.50	<0.50	
MW9B	10/01/03	< 0.50	9.00	11,500	<0.50	<0.50	< 0.50	
MW9B	01/06/04	0.80		-				<50.0
MW9B	06/07/04							<50.0j
MW9B	08/30/04							
MW9B	12/13/04			 4,800	<0.50	<0.50	<0.50	<50.0
MW9B	03/14/05	<0.50	<0.50	•		<0.50	<0.50	<100
MW9B	06/08/05	<0.50	<0.50	2,320	<0.50	<0.50 		
MW9B	09/01/05							
MW9B	12/09/05							
MW9B	12/30/05						<0.50	
MW9B	03/07/06	<0.50	<0.50	1,200	<0.50	<0.50	<b>NO.50</b>	
	11/02/05 07/12	/02 Not analyzed for	these analytes.					
MW9C	10/11/02	<0.50	34.3	<10.0	<0.50	<0.50	<0.50	
MW9C								
MW9C	01/10/03							
MW9C	04/09/03							
MW9C	07/22/03			38,400	< 0.50	<0.50	<0.50	
MW9C	10/01/03	<0.50	2.70			<0.50	<0.50	
MW9C	01/06/04	0.80	2.50	90,700	<0.50		<0.50 	<50.0
MW9C	06/07/04							<50.0 <50.0j
MW9C	08/30/04							-
MW9C	12/13/04							

ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Former Exxon Service Station 7-0238

				200 East 12th Street Oakland, California				
				(Page 2 of 4)		40.004	DIPE	Liber
Well	Sampling	ETBE	TAME	TBA	EDB	1,2-DCA		Ethano (µg/L)
ID	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L) <0.50	(µg/L) <50.0
MW9C	03/14/05	< 0.50	<0.50	674	<0.50	<0.50		
MW9C	06/08/05	<0.50	<0.50	817	<0.50	<0.50	<0.50	<100
MW9C	09/01/05							
MW9C	12/09/05							
MW9C	12/30/05							
MW9C	03/07/06	<2.5	<2.5	160	<2.5	<2.5	<2.5	
MW9D	11/02/95 - 07/12/	02 Not analyzed for	these analytes.					
MW9D	10/11/02 g							
MW9D	01/10/03							
MW9D	04/09/03					<b>*-</b> -		
MW9D	07/22/03							
MW9D	10/01/03	<0.50	<0.50	235	<0.50	<0.50	<0.50	
MW9D	01/06/04	<0.50	<0.50	51.8	<0.50	<0.50	<0.50	
MW9D	06/07/04							<50.0
MW9D	08/30/04 h							
MW9D	12/13/04							
MW9D	03/14/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
MW9D	06/08/05	<0.50	<0.50	57.8	<0.50	<0.50	<0.50	<100
MW9D	09/01/05							
MW9D	12/09/05							
MW9D	12/30/05 d							
MW9D	03/07/06	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	
MW9F	11/02/95 - 07/12/	02 Not analyzed for	these analytes.					
MW9F	10/11/02	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	
MW9F	01/10/03							
MW9F	04/09/03							
MW9F	07/22/03							
MW9F	10/01/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	
MW9F	01/06/04	<0.50	<0.50	13.7	<0.50	<0.50	<0.50	
MW9F	06/07/04						<b></b>	<50.0
MW9F	08/30/04					<b></b>		<50.0
MW9F	12/13/04							
MW9F	03/14/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
MW9F	06/08/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<100
MW9F	09/01/05							
MW9F	12/09/05 j							
MW9F	12/30/05							
MW9F	03/07/06 j							
MW9G	11/02/95 - 07/12/	/02 Not analyzed for	these analytes.					
MW9G	10/11/02	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	
MW9G	01/10/03							
MW9G	04/09/03							
	07/22/03							

ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Former Exxon Service Station 7-0238

### 2200 East 12th Street

				Oakland, California				
				(Page 3 of 4)				Ethanal
Well	Sampling	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
ID	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW9G	10/01/03	<0.50	<0.50	17.1	<0.50	<0.50	<0.50	
MW9G	01/06/04	< 0.50	<0.50	367	<0.50	<0.50	<0.50	
MW9G	06/07/04							<50.0
MW9G	08/30/04					-*-		<50.0j
	12/13/04							
MW9G	03/14/05	<0.50	<0.50	569	<0.50	<0.50	<0.50	<50.0
MW9G	06/08/05	<0.50	<0.50	150	<0.50	<0.50	<0.50	<100
MW9G								
MW9G	09/01/05							
MW9G	12/09/05 j							
MW9G	12/30/05							
MW9G	03/07/06 j	E#A						
					<50	<10	<0.5	<0.5
MW9H	11/02/95		 46		-00			
MW9H		2/02 Not analyzed for	these analytes.	<10.0	<0.50	<0.50	<0.50	
MW9H	10/11/02	<0.50	<0.50					
MW9H	01/10/03							
MW9H	04/09/03							
MW9H	07/22/03					<0.50	<0.50	
MW9H	10/01/03	<0.50	< 0.50	<10.0	< 0.50	<0.50	<0.50	
MW9H	01/06/04	<0.50	<0.50	<10.0	<0.50			<50.0
MW9H	06/07/04							<50.0j
MW9H	08/30/04							
MW9H	12/13/04						<0.50	<50.0
MW9H	03/14/05	<0.50	<0.50	<10.0	< 0.50	<0.50	<0.50	<100
MW9H	06/08/05	<0.50	<0.50	<10.0	<0.50	<0.50		
MW9H	09/01/05							
мwэн	12/09/05 j			=				
MW9H	12/30/05							
MW9H	03/07/06 j						<b></b>	
	-							
MW91	11/02/95 - 07/12	2/02 Not analyzed for	these analytes.				-0.50	
MW9I	10/11/02	<0.50	24.1	<10.0	<0.50	<0.50	<0.50	
MW9I	01/10/03							
MW9I	04/09/03							
MW9I	07/22/03							
MW9I	10/01/03	< 0.50	1.50	30,300	<0.50	<0.50	<0.50	
MW9I	01/06/04	<0.50	<0.50	377	<0.50	<0.50	<0.50	
MW9I	06/07/04							<50.0
MW91	08/30/04							<50.0j
MW9I	12/13/04							
MW9I	03/14/05	<0.50	<0.50	1,640	<0.50	<0.50	<0.50	<50.0
MW91	06/08/05	<0.50	< 0.50	47,000	<0.50	<0.50	<0.50	<100
	09/01/05							
MW9I								
MW9I	12/09/05							
MW91	12/30/05	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<100
MW9I	03/07/06	~0.00						

### ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Former Exxon Service Station 7-0238 2200 East 12th Street

### Oakland, California

(Page 4 of 4)

	the second se	
Notes:		
SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in well.
TOC	=	Top of well casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	-	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
fbgs	=	Feet below ground surface.
<	=	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 or analyzed.
μg/L	=	Micrograms per liter.
а	=	Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 5/27/99.
b	=	Analyte detected in the trip blank and/or bailer blank. Due to measurement error during initial sampling event, DTW was re-measured on August 17, 2001. No samples were taken.
с	=	
d	=	Well inaccessible. Samples collected after fourth quarter 2001 analyzed by TestAmerica Incorporated. Reported concentrations may be affected by differing
е	=	Samples collected after fourth quarter 2001 analyzed by residinence incorporated. Reported concontratione may be another of another
f	=	Sample erroneously labeled MA9B on Chain-of-Custody form and laboratory report.
g	=	Insufficient sample volume to perform analyses.
9 h	=	Groundwater elevation data invalidated; analytical results suspect.
 i	=	Well sampled using no-purge method.
i	=	Well not gauged and/or sampled due to encroachment permit restrictions.
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# TABLE 2WELL CONSTRUCTION DETAILSFormer Exxon Service Station 7-02362200 East 12th StreetOakland, California(Page 1 of 1)

Well ID	Date Well Installed	TOC Elevation (fmsl)	Borehole Diameter (inches)	Total Depth of Boring (fbgs)	Well Depth (fbgs)	Well Casing Diameter (inches)	Well Casing Material	Screened Interval (fbgs)	Slot Size (inches)	Filter Pack Interval (fbgs)	Filter Pack Material
MW9A	06/10/88	14.51	8	18	NS	NS	NS	NS	NS	NS	NS
MW9B	06/10/88	12.84	8	20	NS	NS	NS	NS	NS	NS	NS
MW9C	06/10/88	14.16	8	17	NS	NS	NS	NS	NS	NS	NS
MW9D	10/05/88	15.97	12	16.5	14	NS	NS	5-14	NS	NS	NS
MW9E	10/05/88	NS	12	18.5	14	NS	NS	5-14	NS	NS	NS
MW9F	11/23/88	11.38	8	16	14	NS	NS	4-14	NS	NS	NS
MW9G	11/22/88	12.98	8	16.5	14	NS	NS	5-14	NS	NS	NS
мүөн	11/23/88	11.59	8	16.5	14	NS	NS	5-14	NS	NS	NS
MW9I	11/02/90	13.13	12	16	16	NS	NS	4-14	NS	NS	NS
DPE1	06/05/03	NS	10	21	20	4	PVC	5-20	0.020	4-20	#3 Sand
DPE2	06/04/03	NS	10	21	20	4	PVC	5-20	0.020	4-20	#3 Sand
DPE3	06/04/03	NS	10	21	20	4	PVC	5-20	0.020	4-20	#3 Sand
DPE4	06/05/03	NS	10	21	20	4	PVC	5-20	0.020	4-20	#3 Sand
VP1	01/11/01	NS	8	20	20	2	PVC	5-20	0.020	4-20	#3 Sand
VP2	01/11/01	NS	8	20	20	2	PVC	5-20	0.020	4-20	#3 Sand

Notes:

TOC = Top of well casing elevation; datum is mean sea level.

fmsl = Feet above mean sea level.

fbgs = Feet below ground surface.

NS = Not specified.

#### TABLE 3 OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, VAPOR- PHASE Former Exxon Service Station 7-0238

2200 East 12th Street Oakland, California (Page 1 of 4)

						MEACUI	EMENTE			LABORA	TORY ANALY	TICAL RESULTS	TPHa	Removal	MTBE	Removal	Benzen	Removal	Destruction	
DATE			-				REMENTS	Sample	PID	TPHg	Benzene	MTBE	Period	Cumulative	Period	Cumulative	Period	Cumulative	Efficiency	Emission
	System	Total	Temp	Vacuum			low	Sample ID	(ppmv)	(mg/M <sup>s</sup> )	(mg/M <sup>s</sup> )	(mg/M <sup>s</sup> )	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(%)	(lb/day)
	Hours	Hours	(deg F)	("Hg)	("H <sub>2</sub> O)	(fpm)	(scfm)		(ppiny)	1 (119/11/)	(		<u> </u>							
03/01/04	System star	tup.Ru			10	350	23	A-INF	4,389											
03/01/04	4		70	27.5	1.0	300	20	A-EFF	26.1											
			70	-08-0	10	700	46	A-INF	599											
03/05/04	100		70	28.0	1.0	700		A-EFF	9.0											
			70	25.0	1.0	600	40	A-INF	> 10,000	4,000	37	200	102.12	102.12	5.11	5.11	0.94	0.94	99.74	0.002
03/08/04	172		70	20.0	1.0	000	-10	A-EFF	25.9	23	0.50	< 0.60								
00/10/04	069		70	26.0	1.0	750	50	A-INF	> 10,000											
03/12/04	268		70	20.0	1.0			A-EFF	9.0											
00/40/04	436		70	21.5	1.0	750	50	A-INF	6,500											
03/19/04	450		70	2110				A-EFF	6.0											
03/26/04	604		70	20.0	1.0	1,000	66	A-INF	500											
03/20/04	004							A-EFF	1.0			_		405 40	15.96	21.06	2,79	3.73	99.65	0.001
04/02/04	772		70	27.0	1.0	1,400	93	A-INF	285	87	0.60	15	303.30	405.42	10,90	21.00	2.18	0.70	00.00	0.001
04/02/01								A-EFF	1.0	< 10	< 0.10	< 0.50								
04/08/04	916		70	18.0	1.0	1,500	99	A-INF	5,700											
• • • • • • •								A-EFF	4.0											
04/15/04	1,084		70	20.0	1.0	1,500	99	A-INF	9,600											
								A-EFF	17.0											
04/22/04	1,252		70	10.0	1.0	600	40	A-INF	750											
							40	A-EFF A-INF	2.0 920											
04/29/04	1,420		70	25.0	1.0	700	46	A-INF A-EFF	920 4.0											
					4.0	650	43	A-LIT	5,600											
05/06/04	1,588		70	22.0	1.0	000	40	A-EFF	7.0											
			70		1.0	650	43	A-INF	3,200	1,200	9.1	52	160.55	565.97	8.36	29.42	1.21	4.94	99.94	0.0004
05/13/04	1,756		70	24	1.0	000	40	A-EFF	2.0	< 10	< 0.10	< 0.50								
	1.040		70	24	1.0	550	36	A-INF	767											
05/21/04	1,948		70	24	1.0			A-EFF	3.0											
05/27/04	2,092		70	25	1.0	600	40	A-INF	6,700											
00/2//04	2,082							A-EFF	7.0							~~~~	0.40	5.44	98,48	0.0004
06/03/04	2,260		70	25	1.0	650	43	A-INF	1,969	720	3.1	32	77.80	643.77	3.40	32.82	0.49	5.44	90,40	0.0004
00,00,04	2,200							A-EFF	30.0	16	0.11	< 0.50								
06/09/04	2,404		70	27	1.0	600	40	A-INF	1,150											
								A-EFF	16.0											
06/24/04	2,764		70	27	1.0	500	33	A-INF	1,000											
								A-EFF	10.0											
07/14/04	2,774		70	26	1.0	800	53	A-INF	1,500											
							~~	A-EFF	28.0	400	3.4	13	80.69	724.45	3.24	36.06	0.47	6.91	91.67	0.0021
07/22/04	2,966		70	24	1.0	1,000	66	A-INF A-EFF	120 10.0	400 37	0.35	0.55								
							<b>~~~</b>	A-EFF A-INF	nm	37	0,00	0.00								
08/05/04	409	3,378	5 nm	nm	nm	nm	nm	A-INF A-EFF	nm											
					10	800	53	A-INF	711											
08/20/04	677	3,543	3 70	21	1.0	800		A-EFF	20.0											
00/05/07		0.74	70	22	1.0	850	56	A-INF	120	850	5.4	< 25	106.54	831.00	< 3.24	< 39.30	0.75	6.66	90.83	0.0021
08/25/04	745	3,711	1 70	22	1.0	000	•-	A-EFF	11.0	92	0.4	1								

### TABLE 3 OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, VAPOR- PHASE Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 2 of 4)

	T				FIFI D	MEASUR	EMENTS	·····		LABORA	TORY ANALY	TICAL RESULTS	TPHg	Removal		Removal		e Removal	Destruction	
DATE	Cumtom	Total	Temp	Vacuum			low	Sample	PID	TPHg	Benzene	MTBE	Period	Cumulative	Period	Cumulative	Period	Cumulative	Efficiency	Emission
	System Hours	Hours	(deg F)		("H <sub>2</sub> O)	(fpm)	(scfm)	ID	(ppmv)	(mg/M³)	(mg/M <sup>p</sup> )	(mg/M³)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(%) 99.33	(lb/day) 0.0188
09/09/04	913	3,879	70	22	1.0	800	53	A-INF	< 4,000	3,100	19	58	67.71	898.71	< 1.42	< 40.73	0.42	7.08	99.33	0.0100
08/08/04	010	-,						A-EFF	27.0	910	6.7	< 12							92.31	
09/16/04	1,081	4,047	70	22	1.0	950	63	A-INF	156										02.01	
	,							A-EFF	12.0										91.67	
09/23/04	1,249	4,215	70	22	1.0	950	63	A-INF	132											
								A-EFF	11.0										99.17	
09/30/04	1,417	4,383	70	21	1.0	1,000	66	A-INF A-EFF	240 2.0											
						4 000	70	A-EFF A-INF	2.0 101										91.09	
10/07/04	1,505	4,471	70	20	2.0	1,200	79	A-INF A-EFF	9.0											
			-		1.0	1,200	79	A-INF	70											
10/14/04	1,593	4,559	70	20	1.0	1,200	10	A-EFF	50.0											
		auntors fo	- Cotox e	weluetion	Catalyst n	lates may	be fouled	and in nee	d of replac	eing. No sam	ples collected f	for October.							400.00	
10/14/04	5nut down 1,593	4,559		21	1.0	800	53	A-INF	111	-									100.00	
02/04/05	1,090	4,008	,,	2.				A-EFF	0.0								4 67	8.75		0.0166
02/10/05	1,737	4,703	72	21	1.0	760	50	A-INF	32	29.0	2.13	2.84	247.65	1,146.36	4.82	< 45.54	1.67	6.75		0.0100
02/10/00	1,707							A-EFF	4.8	< 10.2	< 0.508	< 0.508								
02/17/05	Shut down	system.																	93.17	
02/17/05	1,905	4,871	64	22	1.0	600	39	A-INF	21											
								A-EFF	1.4										99.15	
03/10/05	1,905	4,871	82	18	1.0	1,400	95	A-INF	402											
							=.	A-EFF	3.4	24.8	1.32	2.94	1.14	1,147.50	0.12	< 45.66	0.07	8.82	100.00	0.0028
03/17/05	1,920	4,886	76	17	1.0	1,100	74	A-INF A-EFF	29.4 0.0	< 10.2	< 0.508	< 0.508								
					4.0	4 400	74	A-EFF A-INF	29.4	< 10.Z									100.00	
03/24/05	2,088	5,054	76	17	1.0	1,100	74	A-EFF	0.0											
		c 000	76	17	1.0	1,100	74	A-INF	29.4										100.00	
03/31/05	2,256	5,222	70	17	1.0	1,100	74	A-EFF	0.0											
04/08/05	System do	wn on arri	val and d	departure.																
04/06/05 04/06/05	2,266	5,232		nm	nm	nm	nm	A-INF	nm											
04/00/00	2,200	0,2002						A-EFF	nm											
05/13/05	System do	wn on arrl	val. Res	started. Ru	unning on d	eparture.						4 70	2.36	1,149.86	0.19	< 45.86	0,14	8,96	100.00	0.0029
•••••	2,269	5,235		22	0.0	800	53	A-INF	52.1	32.3	2,13	1.73	2.30	1,149.00	0.18	< <del>4</del> 0.00	0.1.1			
								A-EFF	0.0	< 10.2	< 0.508	< 0.508							100.00	
05/20/05	NM	NC	72	19	1.0	1,400	93	A-INF	102											
								A-EFF	0										100.00	
05/27/05	2,456	5,422	72	16	1.0	1,400	93	A-INF A-EFF	42 0											
					4.0	4 200	08	A-EFF A-INF	47.0	36.5	2.44	2.54	3.01	1,152.87	0.19	< 46.04	0.20	9.16	100.00	0.0010
06/03/05	2,604	5,570	72	15	1.0	1,300	86	A-EFF	0.0	< 10.2	< 0.508	< 0.608								
			70	10	0.0	1,500	99	A-INF	33.0		-									
06/10/05	2,772	5,738	72	12	2.0	1,000	99	A-EFF	0.0											
00/17/07	0.044	5,907	72	14	3.0	1,500	99	A-INF	42.0											
06/17/05	2,941	ວ,ອບ/	12	14	0.0	1,000	~~	A-EFF	0.0											
06/23/05	3,104	6,070	72	14	3.0	1,400	93	A-INF	26.0											
00/23/09	3,104	0,070	12			.,		A-EFF	0.0											
07/01/05	3,273	6,239	72	14	3.0	1,400	93	A-INF	12.0											
01101100	0,210	-,						A-EFF	0.0											

### TABLE 3 OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, VAPOR- PHASE Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 3 of 4)

DATE	1				FIELD	MEASUF	EMENTS			LABORA	TORY ANALY	ICAL RESULTS	, °	Removal		Removal		Removal	Destruction	
DATE	Custom	Total	Temp	Vacuum			low	Sample	PID	TPHg	Benzene	MTBE	Period	Cumulative	Period	Cumulative	Period	Cumulative	Efficiency	Emission
	System Hours	Hours	(deg F)		("H <sub>2</sub> O)	(fpm)	(scfm)	ID	(ppmv)	(mg/M*)	(mg/M <sup>s</sup> )	(mg/M <sup>p</sup> )	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(%)	(lb/day)
07/08/05	3,441	6,407	75	16	0.0	1,500	100	A-INF	32.6											
07/06/05	3,4441	0,407	,0	10				A-EFF	0.0											
07/15/05	3,510	6,476	74	18	0.0	1,400	94	A-INF	67.2											
07/16/05	3,010	0,470	.+	10		•		A-EFF	0.1											
07/22/05	3,675	6,641	74	15	0.0	1,400	94	A-INF	12.0											
0//22/00	5,075	0,041						A-EFF	0.0											
07/00/05	3,844	6,810	72	16	0.0	1,000	67	A-INF	4.0											
07/29/05	3,044	0,010	12	10		.,		A-EFF	0.0											
00/05/05	3,860	6,826	72	14	0.0	1,400	93	A-INF	4.5											
08/05/05	3,800	0,020	12	14	0.0	.,		A-EFF	0.0											0.0044
	0.000	6,826	72	14	0.0	1,400	93	A-INF	4.5	< 5.000	< 0.500	< 0.500	< 8.75	< 1,161.62	< 0.64	< 46.69	< 0.62	< 9.78	100.00	0.0041
08/12/05	3,860	0,020	12	14	0.0	1,100	•••	A-EFF	0.0	< 5.000	< 0.500	< 0.600								
	0 1				ont															
08/19/05	System do			NM	NM	NM	NM	A-INF	NM											
08/19/05	3,867	6,833	NM	INIVI	14197			A-EFF	NM											
			70	47	0.0	1,400	93	A-INF	56.0	44.8	1.78	0.902	< 0.19	< 1,161.81	< 0.01	< 46.69	< 0.01	< 9.79	100.00	0.0042
09/23/05	3,882	6,848	72	17	0.0	1,400		A-EFF	0.0	< 5.00	< 0.500	< 0.500								
			70	40	0.0	1,400	93	A-INF	5.1											
09/30/05	4,048	7,014	72	12	0.0	1,400	90	A-EFF	0.0											
						1,200	80	A-INF	1.0	< 5.00	< 0.500	< 0.500	< 2.70	< 1,164.51	< 0.08	< 46.77	< 0.12	< 9.92	100.00	
10/07/05	4,217	7,183	72	16	0.0	1,200	00	A-EFF	0.0	NA	NA	NA								
					• •	4 000	80	A-INF	3.0											
10/14/05	4,386	7,352	72	16	0.0	1,200	00	A-EFF	0.0											
					• •	4 000	80	A-INF	0.0	< 5.00	< 0.500	< 0.500	< 0.27	< 1,164.78	< 0.03	< 48.79	< 0.03	< 9.94	100.00	0.0039
10/21/05	4,400	7,366	72	18	0.0	1,200	80	A-EFF	0.0	< 5.00	< 0.500	< 0.500								
						4 400	00	A-INF	0.0	4 0.00	0.000									
10/28/05	4,584	7,530	72	12	0.0	1,400	93	A-INF	0.0											
						4 400	93	A-INF	4.0	7.48	< 0.600	< 0.500	< 0.68	< 1,165.46	< 0.05	< 46.85	< 0.05	< 10.00	100.00	0.0039
11/04/05	4,735	7,701	72	16	0.0	1,400	93	A-INF A-EFF	0.0	< 5.00	< 0.500	< 0.500								
						4 500	400	A-EFF A-INF	14.0	< 0.00	- 0.000	0.000								
11/11/05	4,905	7,871	72	14	0.0	1,500	100	A-INT A-EFF	0.0											
							02		26.0											
11/18/05	5,068	8,034	72	18	0.0	1,400	93	A-INF												
								A-EFF	0.0											
11/21/05	5,110	8,076	72	19	0.0	1,200	80	A-INF	320.0											
								A-EFF	0.0	20.0	1.77	7.62	< 4.30	< 1,169.76	< 0.93	< 47.78	< 0.26	< 10.26	100.00	0.0022
12/05/05	5,371	8,337	72	16	0.0	1,500	100	A-INF	28.0	30.0	< 0.500	< 0,500	- 4.00	1,100110						
								A-EFF	0.0	< 5.00	< 0.000	< 0.000								
12/09/05	System sh	ut down p							400.0											
12/09/05	5,540	8,506	72	18	0.0	1,300	87	A-INF	100.0											
								A-EFF	0.0	مرمية مرميم										
01/27/06	Oxidizer re					arge to h	olding tank.		1 system p	rlor to depart	< 0.500	< 0.500	< 1.11	< 1,170.87	< 0.26	< 48.04	< 0.07	< 10.33	100.00	0.0043
01/27/08	5,546	8,512	72	18	0.0	1,400	93	A-INF	0.0	< 5.00		< 0.600	\$ 6.11							
								A-EFF	0.0	< 5.00	< 0.500	~ 0.000								
									4											
02/24/06	Restart sy	stern, resa				g tank. S	hut down sy	stem prior	to departu	11 <del>0</del> .	< 0 500	< 0.500	< 0.00	< 1,170.87	< 0.00	< 48.04	< 0.00	< 10.33	100.00	0.0042
02/24/06	5,548	8,514	72	20	1.0	1,400	93	A-INF	0.0	< 5.00	< 0.500		- 0.00		0.00					
								A-EFF	0.0	< 5.00	< 0.500	< 0.600								

### TABLE 3 OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, VAPOR- PHASE Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 4 of 4)

DATE	<del>.</del>				FIFID	MEASUE	EMENTS			LABORA	TORY ANALY	TICAL RESULTS	TPHg	Removal	MTBE	Removal	Benzene	e Removal	Destruction	Benzene
DATE	System	Total	Temp (deg F)	Vacuum ("Hg)			low (scfm)	Sample ID	PID (ppmv)	TPHg (mg/M <sup>a</sup> )	Benzene (mg/M≯)	MTBE (mg/M <sup>®</sup> )	Period (lbs)	Cumulative (Ibs)	Period (lbs)	Cumulative (ibs)	Period (lbs)	Cumulative (Ibs)	Efficlency (%)	Emission (Ib/day)
03/03/06 03/03/06	Hours Lab results 5,621	Hours received. 8,587	<u> </u>		0.0	800	53	A-INF A-EFF	0.0	< 5.00 < 5.00	< 0,500 < 0,500	3.47	< 0.10	< 1,170.97	< 0.04	< 48.08	< 0.01	< 10.34	100.00	0.0033

Notes:		
A-INF	=	Influent vapor sample.
A-EFF	=	Effluent vapor sample.
Temp	=	Temperature of vapor stream.
deg F	=	Degrees Fahrenheit.
"Hg	-	Inches of mercury.
"H2O	=	Inches of water.
PID	=	Photo-ionization detector measurement.
acfm	=	Actual cubic feet per minute.
scfm	=	Standard cubic feet per minute.
deg F	=	Degrees Fahrenheit.
ppmv	=	Parts per million by volume.
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.
NM	=	Not measured.
NC	=	Not calculated.
NA	=	Not analyzed.

### TABLE 4 OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, LIQUID-PHASE Former Exxon Service Station 7-0238 2200 East 12th Street

Oakland, California (Page 1 of 5)

	<u> </u>			T. C.I.C.	Comple			l shorai	tory Analytic	al Results			TPHg	Removed	Benzene	Removed	MTBE	Removed
	System	Eff. Totalizer	Average	Total Flow	Sample	TPHg	TPHd	B	T	E	х	MTBE	Per Period	Cumulative	Per Period	Cumulative	Per Period	Cumulative
Date	Hours	Reading	Flowrate	• •	I.D.	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)
	(hrs)	(gal)	(gpm)	(gal) 0	W-INF	82	(µg/L/ 78	< 5.0	< 5.0	< 5.0	< 5.0	160	0.000	0.000	0.00000	0.0000	0.0000	0.000
01/15/04	0.5	0	0.00	U	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						
			0.00	0	W-INF	4,100	580a	< 25	< 25	47	36	2800	0.000	0.000	0.00000	0.0000	0.0000	0.000
03/01/04	6	0	0.00	0	W-INT1	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2	< 50 < 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						
			0.00	2 620	P9P-1	< 50	< <del>4</del> 0	- 0.00	- 0.00	0.00								
03/05/04	102	3,620	0.63	3,620	W-INF	< 2,500	260a	< 25	< 25	< 25	30	2100	< 0.320	< 0.320	< 0.00242	< 0.0024	0.2373	0.237
03/08/04	174	11,610	1.85	7,990	W-INF	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2	< 50	59a	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					PSP-1	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
		10.000	4 00	7 490	F0F-1	< 50	~ 40	. 0.00										
03/12/04	270	19,090	1.30	7,480 12,870														
03/19/04	438	31,960	1.28															
03/26/04	606	41,930	0.99	9,970 7,330	W-INF	< 1.000	< 50	< 10	< 10	< 10	< 10	350	< 0.550	< 0.869	< 0.00550	< 0.0079	0.3848	0.622
04/02/04	774	49,260	0.73	7,550	W-INT1	190	< 50	< 0.50	< 0.50	< 0.50	< 0.50	86						
					W-INT2	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					PSP-1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
	0.10	<b>57 700</b>	0.00	8,440	FOF-1	< 00	- 00	0.00										
04/08/04	918	57,700	0.98	0,440 11,740														
04/15/04	1086	69,440	1.16	9,560														
04/22/04	1254	79,000	0.95	9,500 5,000														
04/29/04	1422	84,000	0.50 0.52	5,000	W-INF	700	64a	< 5.0	< 5.0	< 5.0	< 5.0	430	< 0.284	< 1.153	< 0.00250	< 0.0104	0.1301	0.752
05/06/04	1590	89,250	0.52	9,200	W-INT1	160	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2	200	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					PSP-1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
0.540.004	4750	04 700	0.54	5,450														
05/13/04	1758	94,700	0.54	6,150														
05/21/04	1950	100,850	0.53	4,480														
05/27/04	2092	105,330	0.52	5,260	W-INF	270	75a	< 2.5	< 2.5	< 2.5	< 2.5	210	0.086	< 1.239	< 0.00067	< 0.0111	0.0570	0.809
06/03/04	2260	110,590	0.52	3,200	W-INT1	190	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2	230	< 50	< 0.50	1.3	< 0.50	< 0.50	< 2.5						
					PSP-1	160	< 49	< 0.50	0.76	< 0.50	< 0.50	< 2.5						
00/00/04	0404	114 600	0.47	4,100	101-1	100	- 10		•									
06/09/04	2404	114,690	0.47	4,100														
06/24/04	2764	115,140	0.02	450 2,450														
07/14/04	2774	117,590	0.09	2,450 4,340	W-INF	280	78a	< 2.5	4.9	< 2.5	2.5	110	0.026	< 1.265	< 0.00024	< 0.0113	0.0151	0.824
07/22/04	2966	121,930	0.30	4,040	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	< 49	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
	0000	405 000	0.33	3,360	101-1		10	0.00										
07/29/04	2966	125,290	0.33	0,000														

# TABLE 4 OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, LIQUID-PHASE Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 2 of 5)

	System	Eff. Totalizer	Average	Total Flow	Sample			Laborat	ory Analytic	al Results			TPHg	Removed		Removed		Removed
Date	Hours	Reading	-	per period	I.D.	TPHg	TPHd	в	т	E	х	MTBE	Per Period	Cumulative		Cumulative	Per Period	Cumulative
Date	(hrs)	(gal)	(gpm)	(gal)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)
08/05/04	2976	125,330	0.17	3,400	W-INF	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	40	< 0.005	< 1.270	< 0.00004	< 0.0114	0.0021	0.826
00/05/04	2010	1201000	••••	-,	W-INT1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					PSP-1	< 50	67a	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
08/20/04	2976	125,380	0.00	50														
08/25/04	3096	127,980	0.36	2,600												0.0110	0.0400	0.007
09/09/04	3456	135,110	0.33	7,130	W-INF	600	130a	< 5.0	< 5.0	< 5.0	< 5.0	210	< 0.027	< 1.297	< 0.00022	< 0.0116	0.0102	0.837
					W-INT1	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					PSP-1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
09/16/04		145,830	1.06	10,720														
09/23/04		154,757	0.89	8,927														
09/30/04		162,020	0.72	7,263								00	< 0.089	< 1.385	< 0.00076	< 0.0124	0.0352	0.872
10/07/04		165,420	0.34	3,400	W-INF	< 100	270a	< 1.0	< 1.0	< 1.0	< 1.0	68	< 0.069	< 1.565	< 0.00070	\$ 0.0124	0.0002	0.072
					W-INT1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2	< 50	60a	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5 < 2.5						
					PSP-1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
10/14/04		165,440	0.00	20														
10/14/04	System sh	utdown for cato	x evaluatio	n.					monoina di	echarge								
01/27/05	System res	started and sam			ischarge.	Awaiting sa	mple results	Detore con	imencing of	scharge.								
		166,130	0.00	690	14/ IN UT	431	285a	5.10	36.5	6.0	45.2	145	< 0.002	< 1.387	< 0.00002	< 0.0124	0.0006	0.872
01/27/05					W-INF	431 < 50.0	∠ooa < 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-INT1 W-INT2	< 50.0 < 50.0	< 50 147a	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					PSP-1	< 50.0 < 50.0	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
		- 4 4 1 -			P3P-1	< 50.0	~ 50	- 0.00	. 0.0	0.0	•••							
02/03/05	Discharge	storage tank. 166,730	0.06	600														
00/04/05	1502	166,760	0.00	30														
02/04/05	1593 1737	169,610	0.02	2,850	W-INF	96.8	164b	< 0.50	< 0.5	< 0.5	< 0.5	98.7	0.008	< 1.394	< 0.00008	< 0.0125	0.0035	0.876
02/10/05	1757	109,010	0.00	2,000	W-INT1	< 50.0	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-INT2	< 50.0	63b	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					PSP-1	< 50.0	91b	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
02/17/05	Shut down	system for cate	ox adjustme	ents.														
02/17/05	1905	172.890	0.33	3,280														
03/17/05		started and san		-,														
55/11/05	1920	174,000	0.03	1,110	W-INF	725	517a	< 0.50	< 0.5	< 0.5	< 0.5	22.7	0.015	< 1.409	< 0.00002	< 0.0125	0.0022	0.878
		,		, -	W-INT1	607	< 50	0.60	< 0.5	0.7	< 0.5	< 0.5						
					W-INT2	< 50	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					PSP-1	61.2	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5						
03/24/05	2088	190,570	0.00	16,570														
03/31/05	2256	199,470	0.88	8,900														
30/01/00		,	2.00	-,														

#### TABLE 4 OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, LIQUID-PHASE Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 3 of 5)

		TH Tet-Part	Augroge	Total Flow	Sample			Laborat	ory Analytic	al Results			TPHg	Removed	Benzene	Removed	MTBE	Removed
	System	Eff. Totalizer			I.D.	TPHg	TPHd	B	T	E	х	MTBE	Per Period		Per Period	Cumulative	Per Period	Cumulative
Date	Hours	Reading		per period (gal)	1.0.	(µg/L)	(µg/L)	(µg/L)	(μg/L)	 (µg/L)	(µg/L)	(µg/L)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)
0.4100/05	(hrs)	(gal) 199,470	(gpm) 0.00	(gai) 0	W-INF	(µg/ <u>-/</u>	163	< 0.50	< 0.5	< 0.5	< 0.5	120	0.089	< 1.499	< 0.00011	< 0.0126	0.0152	0.893
04/08/05	2266	199,470	0.00	0	W-INT1	142	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-INT2	< 50.0	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-EFF	< 50.0	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
05/05/05	System dov	wn.																
05/13/05	2269	199,470	0.00	0	W-INF	214		< 0.50	< 0.5	< 0.5	< 0.5	85.8	0.0000	< 1.499	0.0000	< 0.0126	0.0000	0.893
00/10/00	2200				W-INT1	187		< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-INT2	< 50.0		< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-PSP-1	< 50.0		< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
05/20/05	System dov	wn on arrival.	Restarted.	Running on d	eparture.													
05/20/05	NM	200,480	0.10	1,010														
05/27/05	2456	217,480	1.69	17,000								470	0.061	< 1.559	< 0.00015	< 0.0127	0.0391	0.932
06/08/05	2604	236,100	1.08	18,620	W-INF	182		< 0.50	< 0.5	< 0.5	< 0.5 < 0.5	170 < 0.5	0.061	< 1.559	< 0.00015	< 0.0121	0.0001	0.002
					W-INT1	< 50.0	—	< 0.50	< 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5						
					W-INT2	< 50.0		< 0.50	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5	< 0.5 < 0.5						
					W-EFF	< 50.0		< 0.50	< 0.5	< 0.5	× 0.0	- 0.0						
06/10/05	2772	246,610	3.65	10,510														
06/17/05	2941	252,790	0.61	6,180														
06/24/05	3104	262,930	1.01 0.91	10,140 9,130														
07/01/05	3273	272,060 281,210	0.91	9,150 9,150														
07/08/05	3441 3510	281,210	0.33	3,370														
07/15/05 07/22/05	3675	292,200	0.76	7,620	W-INF	92.8		< 0.50	< 0.5	< 0.5	< 0.5	88.9	0.064	< 1.624	< 0.00023	< 0.0130	0.0606	0.993
01122/05	3073	202,200	0170	.,	W-INT1	< 50.0		< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-INT2	< 50.0		< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-EFF	< 50.0		< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
07/29/05	3844	299,140	0.72	6,940													0.0044	0.9974
08/05/05	d 3860	299,910	0.08	770	W-INF	58.6		< 0.500	< 0.500	< 0.500	< 0.500	46.5	0.005	< 1.628	< 0.00003	< 0.0130	0.0044	0.9974
					W-INT1	< 50.0		< 0.500	< 0.500	< 0.500	< 0.500	< 0.500						
					W-INT2	< 50.0		< 0.500	< 0.500	< 0.500	< 0.500	< 0.500 < 0.500						
					W-PSP-1	< 50.0		< 0.500	< 0.500	< 0.500	< 0.500	< 0.500						
08/12/05	3860	299,910	0.00	0														
08/19/05	3867	300,120	0.02	210														
09/23/05	3882	300,370	0.00	250														
09/30/05	4048	306,340	0.59	5,970		< 50.0		< 0.50	< 0.50	< 0.50	< 0.50	45.5	< 0.006	< 1.634	< 0.00005	< 0.0130	0.0049	1.0023
10/07/05	4217	312,670	0.63	6,330	W-INF W-INT1	< 50.0 < 50.0		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INT2	< 50.0 < 50.0	_	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INTZ W-PSP-1		_	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
40/44/05	1396	320,120	0.74	7,450		00.0												
10/14/05	4386 4400	320,120	0.74	940														
10/21/05	4400 4564	329,550	0.84	8,490														
10/28/05	4004	020,000	0.0-1	0,100														

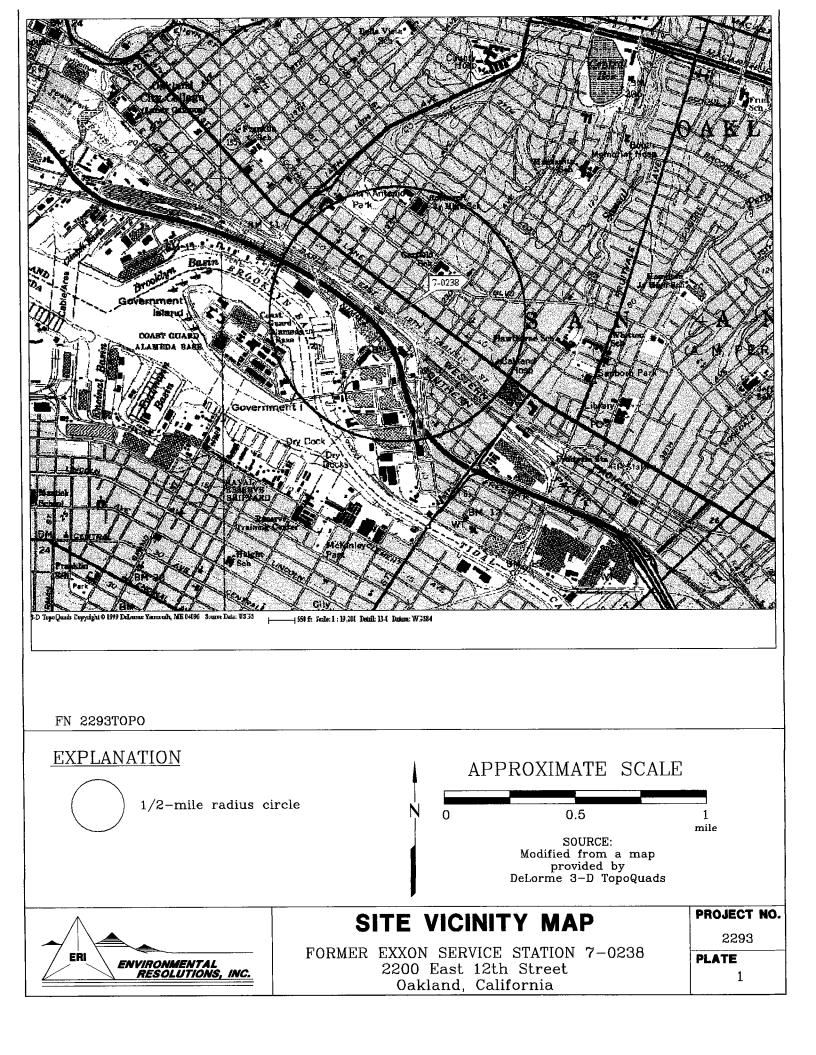
# TABLE 4 OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, LIQUID-PHASE Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 4 of 5)

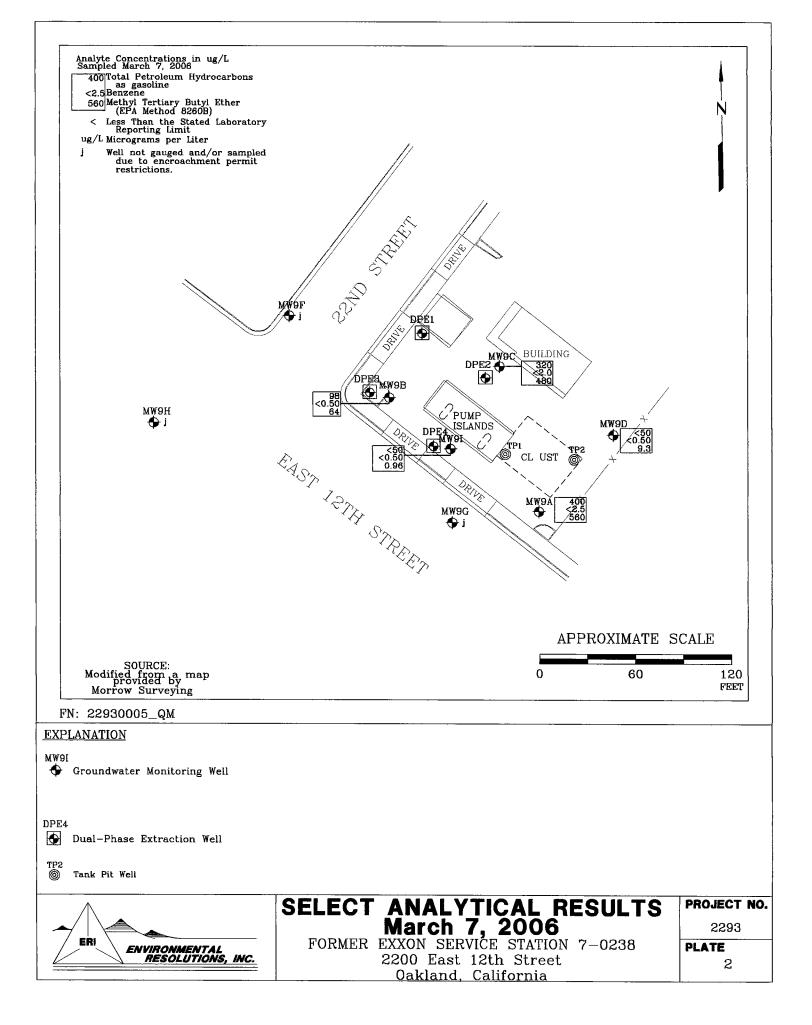
	System	Eff. Totalizer	Average	Total Flow	Sample			Laborat	ory Analytic	al Results			TPHg	Removed	Benzene	Removed	MTBE	E Removed
Data	Hours	Reading	•	per period	1.D.	TPHg	TPHd	в	Т	Е	х	MTBE	Per Period	Cumulative	Per Period	Cumulative	Per Period	Cumulative
Date	(hrs)	(gal)	(gpm)	(gal)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)
1/04/05	4735	337,120	0.75	7.570	W-INF	55.5		< 0.50	< 0.50	< 0.50	< 0.50	56.2	< 0.011	< 1.645	< 0.00010	< 0.0131	0.0104	1.0127
11/04/03	4700	001,120	0.10	.,	W-INT1	< 50.0		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INT2	< 50.0		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-PSP-1	< 50.0		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
11/11/05	4905	348,240	1.10	11,120														
11/18/05	5068	355,300	0.70	7,060														
1/21/05	5110	357,390	0.48	2,090														
12/02/05	5371	375,850	1.17	18,460														
12/09/05	System sh	ut down for oxid	izer mainte	nance.												4 0.0400	0.0325	1.0452
12/09/05	5540	384,590	0.87	8,740	W-INF	100		< 0.50	< 0.50	< 0.50	< 0.50	108	0.031	< 1.676	< 0.00020	< 0.0133	0.0325	1,0452
					W-INT1	< 50.0		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INT2	< 50.0		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-PSP-1			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
01/27/06	Restart sys	tem for samplir	ıg, discharç			m shutdown		re.				470	0.002	< 1.677	< 0.00001	< 0.0134	0.0014	1.0466
01/27/06	5540	385,760	0.02	1,170	W-INF	< 250		< 2.5	< 2.5	< 2.5	< 2.5	170 < 2.5	0.002	< 1.077	< 0.00001	< 0.0104	0.0014	1.0400
					W-INT1	< 50		< 0.50	< 0.50	< 0.50	< 0.50 < 0.50	< 2.5 < 2.5						
					W-INT2	< 50		< 0.50	< 0.50	< 0.50 < 250	< 0.50 < 250	< 2.5 32,000						
						< 25,000	 6	< 250	< 250	< 200	< 250	32,000						
02/03/06		tem for samplin			ank. Syste	m snutdown		re. < 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
02/03/06	5544	385,760	0.00	0	W-PSP-1		 for doportu		< 0.50	< 0.50	< 0.00	· 2.0						
02/17/06		stem for samplin			w-PSP-1	m shuldown		< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
02/17/06	5545	385,760	0.00	0				< 0.50	< 0.50	× 0.00	× 0.00	- 2.0						
02/24/06		stem and proces			stem snutt	iown ior depa	alture.											
02/24/06	5548	386,700	0.09	940														
03/03/06	•	ut down on arriv			W-INF	< 250		< 2.5	< 2.5	< 2.5	< 2.5	150	0.022	< 1.699	< 0.00022	< 0.0136	0.0140	1.0606
03/03/06	5621	396,250	0.95	9,550	W-INF W-INT1	< 50		< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2	< 50 < 50		< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-IN12 W-PSP-1			< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						

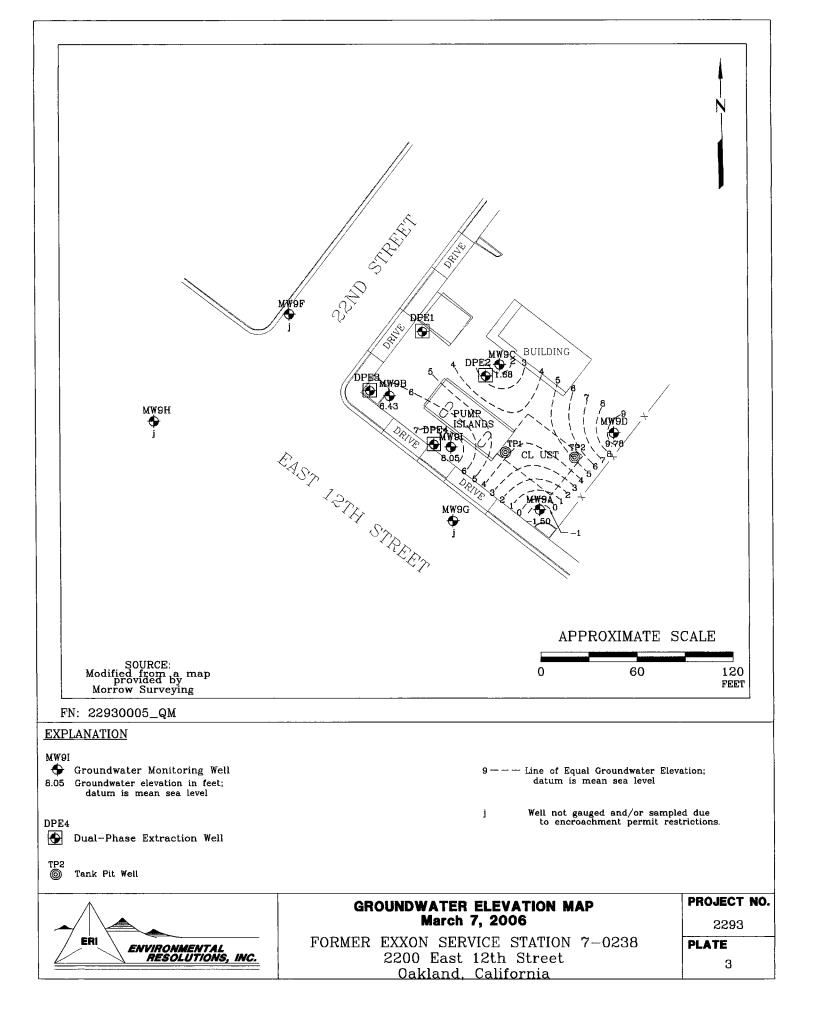
#### TABLE 4 OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, LIQUID-PHASE Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 5 of 5)

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.
hrs	Ŧ	Hours.
gal	Ξ	Gallons.
gpm	=	Gallons per minute.
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.
<	=	Less than the laboratory method reporting limit.
а	=	Diesel-range organic compounds reported in sample; however, chromatogram pattern is not representative of diesel fuel.
b	=	Diesel result was within the range diesel fuel. There was insufficient area for pattern match.
с	=	Sample mislabeled as W-EFF on COC and lab report.
d	=	Sample inadvertently misdated by laboratory. Correct sampling date is shown.
* If value is be	low iabo	ratory reporting limit, then detection limit value is used for removal calculations.

\*\* Indicates the concentrations of identifiable analytes are below the laboratory reporting limit unless otherwise noted.







### ATTACHMENT A

### **GROUNDWATER SAMPLING PROTOCOL**

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#### **GROUNDWATER SAMPLING PROTOCOL**

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

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### ATTACHMENT B

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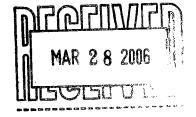
### LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS



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

24 March, 2006

Paula Sime Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma, CA 94954



RE: Exxon 7-0238 Work Order: MPC0290

Enclosed are the results of analyses for samples received by the laboratory on 03/08/06 18:05. The samples arrived at a temperature of 5° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Chin the )eQl

Christina Dell For Leticia Reyes Project Manager

CA ELAP Certificate #1210

Page 1 of 15



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0290
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	03/24/06 16:06

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
QCBB	MPC0290-01	Water	03/07/06 10:55	03/08/06 18:05
MW9A	MPC0290-02	Water	03/07/06 11:50	03/08/06 18:05
MW9B	MPC0290-03	Water	03/07/06 11:25	03/08/06 18:05
MW9C	MPC0290-04	Water	03/07/06 11:40	03/08/06 18:05
MW9D	MPC0290-05	Water	03/07/06 11:00	03/08/06 18:05
MW9I	MPC0290-06	Water	03/07/06 11:15	03/08/06 18:05

\*Note: As per client agreement, 8260 Oxygenate SIM analysis was changed to 8260 Oxygenate with TBA reporting limit @ 5ppb.

\*Note: This report is 1 day late past the standard turn around time of 10 days.

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

# Sequoia Analytical

Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0290
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	03/24/06 16:06

MW9A (MPC0290-02) Water Sampled: 03/07/06 11:50 Received: 03/08/06 18:05

#### Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Gasoline Range Organics (C4-C12)	400	250	ug/l	5	6C20010	03/20/06	03/20/06	EPA 8015B/8021B	HC-1
Benzene	ND	2.5	и	11	н	Ħ	11	n	
Toluene	ND	2.5		н	11	11	**	и	
Ethylbenzene	ND	2.5	"	11	н	n	11	11	
Xylenes (total)	ND	2.5	11	Ħ	11	11	u	T	
Surrogate: a,a,a-Trifluorotoluene		107 %	80-	-120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94 %	80-	-120	"	"	н	11	

### Volatile Organic Compounds by EPA Method 8260B

	500		iy cicai	6					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
tert-Amyl methyl ether	ND	5.0	ug/l	10	6C21028	03/21/06	03/21/06	EPA 8260B	
tert-Butyl alcohol	5600	50	и	11	"	11	u	н	
Di-isopropyl ether	ND	5.0	11	11	H	11	58	n	
1,2-Dibromoethane (EDB)	ND	5.0	n	н	*1	"	"	n	
1,2-Dichloroethane	ND	5.0	*1	17	"	n	"	n	
Ethanol	ND	1000	11	н	"	"	"	IT	CC02
Ethyl tert-butyl ether	ND	5.0	"	11	н	n	17	"	
Methyl tert-butyl ether	560	5.0	11	11	"	"	11	11	
Surrogate: 1,2-Dichloroethane-d4		110 %	60-	135	n	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	70-	120	"	n	"	"	
Surrogate: Dibromofluoromethane		107 %	65-	-130	"	"	"	"	
Surrogate: Toluene-d8		100 %	70-	-120	"	"	"	"	
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#### Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0290
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	03/24/06 16:06

MW9B (MPC0290-03) Water Sampled: 03/07/06 11:25 Received: 03/08/06 18:05

### Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics (C4-C12)	98	50	ug/l	1	6C16027	03/16/06	03/17/06	EPA 8015B/8021B	HC-11
Benzene	ND	0.50	"	**	"	17	н	"	
Toluene	ND	0.50	*	"	11	H	н	n	
Ethylbenzene	ND	0.50	Ħ	n	11	**	11	11	
Xylenes (total)	ND	0.50	"	11	"	"			
Surrogate: a,a,a-Trifluorotoluene		110 %	80	-120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	80	-120	"	"	"	.11	

### Volatile Organic Compounds by EPA Method 8260B

#### Sequoia Analytical - Morgan Hill

analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
tert-Amyl methyl ether	ND	0.50	ug/l	1	6C20042	03/20/06	03/20/06	EPA 8260B	
tert-Butyl alcohol	1200	5.0	tt	11	11	n	"	н	
Di-isopropyl ether	ND	0.50	н	11	n	11	n	17	
1,2-Dibromoethane (EDB)	ND	0.50	**	**	11	n	ų	и	
1.2-Dichloroethane	ND	0.50	н	11	n	u	"	11	
Ethyl tert-butyl ether	ND	0.50	tt.	н	n	IT	n	11	
Methyl tert-butyl ether	64	0.50	11	"	ut	**	n 	ti	
Surrogate: 1,2-Dichloroethane-d4		89 %	60	-135	11	n	"	"	
Surrogate: 4-Bromofluorobenzene		91 %	70	-120	"	"	"	"	
Surrogate: Dibromofluoromethane		76 %	65	-130	п	"	"	"	
Surrogate: Toluene-d8		102 %	70	-120	"	"	"	"	

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0290
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	03/24/06 16:06

MW9C (MPC0290-04) Water Sampled: 03/07/06 11:40 Received: 03/08/06 18:05

### Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics (C4-C12)	320	200	ug/l	4	6C20010	03/20/06	03/20/06	EPA 8015B/8021B	HC-11
Benzene	ND	2.0	11	17	11	IT	11	и	
Toluene	ND	2.0	11	**	**		n	11	
Ethylbenzene	ND	2.0	71	"	11	*	"	11	
Xylenes (total)	ND	2.0	11	11	11	н	R	11	
Surrogate: a,a,a-Trifluorotoluene		107 %	80	-120	"	n	"	"	
Surrogate: 4-Bromofluorobenzene		93 %	80	-120	"	"	"	"	

### Volatile Organic Compounds by EPA Method 8260B

### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
tert-Amyl methyl ether	ND	2.5	ug/l	5	6C21028	03/21/06	03/21/06	EPA 8260B	
tert-Butyl alcohol	160	25	и	11	"	n	"	11	
Di-isopropyl ether	ND	2.5	"	н	11	11	"	n	
1,2-Dibromoethane (EDB)	ND .	2.5	"	*	n	11	n	n	
1,2-Dichloroethane	ND	2.5	Ħ	и	11	"	"	"	
Ethyl tert-butyl ether	ND	2.5	17	"	"	"	H	u.	
Methyl tert-butyl ether	480	2.5	11	n	17	11	11	"	
Surrogate: 1,2-Dichloroethane-d4		92 %	60	-135	н	"	"	"	
Surrogate: 4-Bromofluorobenzene		92 %	70	-120	"	"	п	"	
Surrogate: Dibromofluoromethane		88 %	65	-130	"	"	"	"	
Surrogate: Toluene-d8		98 %	70	-120	"	"	"	17	

Sequoia Analytical - Morgan Hill

# Sequoia Analytical

Environmental Resolutions (Exxon) 601 North McDowell Blvd.	Project Number:		MPC0290 Reported:
Petaluma CA, 94954	Project Manager:	Paula Sime	03/24/06 16:06

MW9D (MPC0290-05) Water Sampled: 03/07/06 11:00 Received: 03/08/06 18:05

### Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6C16027	03/16/06	03/17/06	EPA 8015B/8021B	
Benzene	ND	0.50	"	n	ท	11	11	v	
Toluene	ND	0.50	n	11	11	11	11	11	
Ethylbenzene	ND	0.50		11	11	11	"	u	
Xylenes (total)	ND	0.50	11	11	11	11		11	
Surrogate: a,a,a-Trifluorotoluene		109 %	80-	-120	"	"	"	п	
Surrogate: 4-Bromofluorobenzene		93 %	80	-120	"	"	"	"	

### Volatile Organic Compounds by EPA Method 8260B

Sequoia A	Analytical - Morga	n Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
tert-Amyl methyl ether	ND	0.50	ug/l	1	6C20042	03/20/06	03/20/06	EPA 8260B	
tert-Butyl alcohol	ND	5.0	н	"	11	"	n	"	
Di-isopropyl ether	ND	0.50	17	11	11			11	
1,2-Dibromoethane (EDB)	ND	0.50	11	11	11	11	**	11	
1,2-Dichloroethane	ND	0.50	17	n	п	n		11	
Ethyl tert-butyl ether	ND	0.50	"	*	17	11	п	н	
Methyl tert-butyl ether	9.3	0.50	n	11	11	"	17	**	
Surrogate: 1,2-Dichloroethane-d4		110 %	60-	-135	"	n	"	"	
Surrogate: 4-Bromofluorobenzene		<b>9</b> 8 %	70-	-120	"	"	"	"	
Surrogate: Dibromofluoromethane		92 %	65	-130	"	"	"	"	
Surrogate: Toluene-d8		100 %	70	-120	"	"	"	"	



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0290
601 North McDowell Blyd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	03/24/06 16:06

MW9I (MPC0290-06) Water Sampled: 03/07/06 11:15 Received: 03/08/06 18:05

### Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6C16027	03/16/06	03/17/06	EPA 8015B/8021B	
Benzene	ND	0.50	и	"	u	u	"		
Toluene	ND	0.50	н		n	"	17	11	
Ethylbenzene	ND	0.50		"	и	"	n	11	
Xylenes (total)	ND	0.50	11	11	11	11	11	n	
Surrogate: a,a,a-Trifluorotoluene		109 %	80-	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96 %	80-	120	"	"	"	"	

#### Volatile Organic Compounds by EPA Method 8260B

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
tert-Amyl methyl ether	ND	0.50	ug/l	1	6C20042	03/20/06	03/21/06	EPA 8260B	
tert-Butyl alcohol	ND	5.0		"	۲ſ	11	**	н	
Di-isopropyl ether	ND	0.50	н	н	"	II.	n	n	
1,2-Dibromoethane (EDB)	ND	0.50		n	11	н	"	IT	
1,2-Dichloroethane	ND	0.50	*	11	"	17	. "	11	
Ethanol	ND	100		0	н	н	"	H	CC0
Ethyl tert-butyl ether	ND	0.50	**	47	11	u.	11	11	
Methyl tert-butyl ether	0.96	0.50	11	u	n	Ħ	11	R	
Surrogate: 1,2-Dichloroethane-d4		86 %	60	-135	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92 %	70	-120	"	"	"	"	
Surrogate: Dibromofluoromethane		70 %	65	-130	"	"	"	"	
Surrogate: Toluene-d8		102 %	70	-120	"	"	"	"	



Environmental Resolutions (Exxon)	Project: Exxo	n 7-0238	MPC0290
601 North McDowell Blvd.	Project Number: 7-023	38	Reported:
Petaluma CA, 94954	Project Manager: Paula	a Sime	03/24/06 16:06

		Evaluation		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6C16027 - EPA 5030B [P/T]							. <u></u>			
Blank (6C16027-BLK1)				Prepared a	& Analyze	ed: 03/16/	06			
Gasoline Range Organics (C4-C12)	ND	25	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	11							
Ethylbenzene	ND	0.25	H							
Xylenes (total)	ND	0.25	Ħ							
Surrogate: a,a,a-Trifluorotoluene	86.7		"	80.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	77.3		"	80.0		97	80-120			
LCS (6C16027-BS1)				Prepared	& Analyz					
Gasoline Range Organics (C4-C12)	217	50	ug/l	275		79	55-130			
Benzene	3.88	0.50	n	2.65		146	75-150			
Toluene	19.5	0.50	n	23.0		85	80-115			
Ethylbenzene	3.76	0.50	n	4.60		82	75-115			
Xylenes (total)	21.8	0.50	II	26.4		83	75-115			
Surrogate: a,a,a-Trifluorotoluene	76.5		"	80.0	· · ·	96	80-120			
Surrogate: 4-Bromofluorobenzene	77.2		н	80.0		96	80-120			
Matrix Spike (6C16027-MS1)	Sou	rce: MPC02	259-05	Prepared & Analyzed: 03/16/0			06			
Gasoline Range Organics (C4-C12)	227	50	ug/l	275	31	71	55-130			
Benzene	4.29	0.50	n	2.65	0.36	148	75-150			
Toluene	20.5	0.50	W	23.0	ND	89	80-115			
Ethylbenzene	3.96	0.50	n	4.60	ND	86	75-115			
Xylenes (total)	22.8	0.50	n	26.4	ND	86	75-115			
Surrogate: a,a,a-Trifluorotoluene	83.2		"	80.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	78.2		"	80.0		<b>9</b> 8	80-120			
Matrix Spike Dup (6C16027-MSD1)		rce: MPC0	259-05	Prepared	& Analyz	zed: 03/16				
Gasoline Range Organics (C4-C12)	210	50	ug/l	275	31	65	55-130	8	35	
Benzene	4.07	0.50	n	2.65	0.36	140	75-150	5	25	
Toluene	19.4	0.50	11	23.0	ND	84	80-115	6	25	
Ethylbenzene	3.77	0.50	n	4.60	ND	82	75-115	5	25	
Xylenes (total)	21.6	0.50	11	26.4	ND	82	75-115	5	25	

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project:	Exxon 7-0238	MPC0290
601 North McDowell Blvd.	Project Number:	7-0238	<b>Reported:</b>
Petaluma CA, 94954	Project Manager:		03/24/06 16:06

		JUVIA AIIA		- 1101 5	+11 11111					
Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C16027 - EPA 5030B [P/T]										
Matrix Spike Dup (6C16027-MSD1)	So	urce: MPC02	59-05	Prepared	& Analyze	ed: 03/16/	06			
Surrogate: a,a,a-Trifluorotoluene	84.8		ug/l	80.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	78.2		"	80.0		98	80-120			
Batch 6C20010 - EPA 5030B [P/T]										
Blank (6C20010-BLK1)				Prepared	& Analyz	ed: 03/20/	06			
Gasoline Range Organics (C4-C12)	ND	25	ug/l							
Benzene	ND	0.25	W							
Toluene	ND	0.25	ų							
Ethylbenzene	ND	0.25	я							
Xylenes (total)	ND	0.25	u							
Surrogate: a,a,a-Trifluorotoluene	42.6		"	40.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	37.0		"	40.0		92	80-120			
LCS (6C20010-BS1)				Prepared	& Analyz	ed: 03/20/	06			
Gasoline Range Organics (C4-C12)	216	50	ug/l	275		79	55-130			
Benzene	3.43	0.50	11	2.65		129	75-150			
Toluene	21.4	0.50	۳	23.0		93	80-115			
Ethylbenzene	4.09	0.50	11	4.60		89	75-115			
Xylenes (total)	23.4	0.50	n	26.4		89	75-115			
Surrogate: a,a,a-Trifluorotoluene	42.0		"	40.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	39.0		"	40.0		<b>9</b> 8	80-120			
Matrix Spike (6C20010-MS1)	So	ource: MPC0	288-04	Prepared	& Analyz	ed: 03/20	/06			
Gasoline Range Organics (C4-C12)	204	50	ug/l	275	23	66	55-130			
Benzene	3.89	0.50	"	2.65	ND	147	75-150			
Toluene	19.3	0.50	11	23.0	0.28	83	80-115			
Ethylbenzene	4.08	0.50	n	4.60	0.60	76	75-115			
Xylenes (total)	21.7	0.50	W	26.4	0.87	79	75-115			
Surrogate: a,a,a-Trifluorotoluene	40.5		n	40.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	40.2		"	40.0		100	80-120			

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0290
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	03/24/06 16:06

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C20010 - EPA 5030B [P/T]										
Matrix Spike Dup (6C20010-MSD1)	Sour	ce: MPC02	88-04	Prepared	& Analyze	ed: 03/20/	06			
Gasoline Range Organics (C4-C12)	207	50	ug/l	275	23	67	55-130	1	35	
Benzene	3.82	0.50	R	2.65	ND	144	75-150	2	25	
Toluene	19.2	0.50	n	23.0	0.28	82	80-115	0.5	25	
Ethylbenzene	4.03	0.50	Ħ	4.60	0.60	75	75-115	1	25	
Xylenes (total)	21.4	0.50	s	26.4	0.87	78	75-115	1	25	
Surrogate: a,a,a-Trifluorotoluene	39.4		"	40.0		<i>9</i> 8	80-120			
Surrogate: 4-Bromofluorobenzene	40.6		"	40.0		102	80-120			

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0290
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	03/24/06 16:06

· · · · · · · · · · · · · · · · · · ·	Sec	uoia Ana	iyucal	- morga						
Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C20042 - EPA 5030B P/T										
Blank (6C20042-BLK1)				Prepared	& Analyz	ed: 03/20/	06			
tert-Amyl methyl ether	ND	0.25	ug/l							
tert-Butyl alcohol	4.4	3.5	11							
Di-isopropyl ether	ND	0.25	"							
1,2-Dibromoethane (EDB)	ND	0.25	Ħ							
1,2-Dichloroethane	ND	0.25	u							
Ethanol	ND	50	n							CC02
Ethyl tert-butyl ether	ND	0.25	n							
Methyl tert-butyl ether	ND	0.25	"							
Surrogate: 1,2-Dichloroethane-d4	2.45	· · · · ·	"	2.50		98	60-135			
Surrogate: 4-Bromofluorobenzene	2.29		"	2.50		92	70-120			
Surrogate: Dibromofluoromethane	2.34		"	2.50		94	65-130			
Surrogate: Toluene-d8	2.50		"	2.50		100	70-120			
LCS (6C20042-BS1)				Prepared	& Analyz	ed: 03/20/				
tert-Amyl methyl ether	18.3	0.50	ug/l	16.3		112	80-115			
tert-Butyl alcohol	213	20	"	169		126	75-150			
Di-isopropyl ether	16.6	0.50	"	16.2		102	75-125			
1,2-Dibromoethane (EDB)	16.3	0.50	11	16.6		98	85-120			
1,2-Dichloroethane	15.4	0.50	#	15.5		99	85-130			
Ethanol	157	100	11	165		95	70-135			CC02
Ethyl tert-butyl ether	16.4	0.50	11	16.4		100	75-130			
Methyl tert-butyl ether	7.86	0.50	11	7.84		100	65-125			
Surrogate: 1,2-Dichloroethane-d4	2.36		"	2.50	· · ·	94	60-135			
Surrogate: 4-Bromofluorobenzene	2.34		"	2.50		94	70-120			
Surrogate: Dibromofluoromethane	2.30		"	2.50		<i>92</i>	65-130			
Surrogate: Toluene-d8	2.57		"	2.50		103	70-120			
Matrix Spike (6C20042-MS1)	So	ource: MPC0	511-02	Prepared	: 03/20/06	6 Analyze	d: 03/21/0	6		
tert-Amyl methyl ether	15.1	0.50	ug/l	16.3	ND	93	80-115			
tert-Butyl alcohol	136	20	17	169	ND	80	75-120			
Di-isopropyl ether	15.2	0.50	"	16.2	ND	94	75-125			
1,2-Dibromoethane (EDB)	15.2	0.50	"	16.6	ND	92	85-120			

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0290
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	03/24/06 16:06

		Evaluation		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6C20042 - EPA 5030B P/T										
Matrix Spike (6C20042-MS1)	Sour	ce: MPC05	11-02	Prepared:	03/20/06	Analyzed	1: 03/21/06			
1,2-Dichloroethane	15.8	0.50	ug/l	15.5	ND	102	85-130			
Ethanol	258	100	"	165	ND	156	70-135			QM01, CC02
Ethyl tert-butyl ether	13.9	0.50	11	16.4	ND	85	75-130			
Methyl tert-butyl ether	7.06	0.50	11	7.84	0.17	88	65-125			
Surrogate: 1,2-Dichloroethane-d4	2.27		"	2.50		91	60-135			
Surrogate: 4-Bromofluorobenzene	2.36		"	2.50		94	70-120			
Surrogate: Dibromofluoromethane	2.19		"	2.50		88	65-130			
Surrogate: Toluene-d8	2.59		"	2.50		104	70-120			
Matrix Spike Dup (6C20042-MSD1)	Sou	rce: MPC05	511-02	Prepared:	03/20/06	Analyzed	1: 03/21/06			
tert-Amyl methyl ether	14.9	0.50	ug/l	16.3	ND	91	80-115	1	15	
tert-Butyl alcohol	154	20	17	169	ND	91	75-120	12	25	
Di-isopropyl ether	15.0	0.50	17	16.2	ND	93	75-125	1	15	
1,2-Dibromoethane (EDB)	15.9	0.50	"	16.6	ND	96	85-120	5	15	
1,2-Dichloroethane	17.0	0.50	"	15.5	ND	110	85-130	7	20	
Ethanol	153	100	11	165	ND	93	70-135	51	35	QC20, CC0
Ethyl tert-butyl ether	14.4	0.50	11	16.4	ND	88	75-130	4	25	
Methyl tert-butyl ether	7.74	0.50	17	7.84	0.17	97	65-125	9	20	
Surrogate: 1,2-Dichloroethane-d4	2.50		"	2.50		100	60-135			
Surrogate: 4-Bromofluorobenzene	2.46		"	2.50		<b>9</b> 8	70-120			
Surrogate: Dibromofluoromethane	2.39		"	2.50		96	65-130			
Surrogate: Toluene-d8	2.43		"	2.50		97	70-120			

Blank (6C21028-BLK1)				Prepared & Analyzed: 03/21/06
tert-Amyl methyl ether	0.35	0.25	ug/l	
tert-Butyl alcohol	ND	3.5	n	
Di-isopropyl ether	0.4	0.25	17	
1,2-Dibromoethane (EDB)	ND	0.25	17	
1,2-Dichloroethane	ND	0.25	"	
Ethanol	ND	50	17	cca
Ethyl tert-butyl ether	0.28	0.25	ŧĭ	

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exxon 7	7-0238 MPC0290
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula S	Sime 03/24/06 16:06

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C21028 - EPA 5030B P/T										
Blank (6C21028-BLK1)				Prepared	& Analyze	ed: 03/21/	06			
Methyl tert-butyl ether	ND	0.25	ug/i							
Surrogate: 1,2-Dichloroethane-d4	2.28		"	2.50		91	60-135			
Surrogate: 4-Bromofluorobenzene	2.29		"	2.50		92	70-120			
Surrogate: Dibromofluoromethane	2.37		"	2.50		95	65-130			
Surrogate: Toluene-d8	2.54		"	2.50		102	70-120			
LCS (6C21028-BS1)				Prepared	& Analyze	ed: 03/21/				
tert-Amyl methyl ether	14.2	0.50	ug/l	16.3		87	80-115			
tert-Butyl alcohol	145	20	"	169		86	75-150			
Di-isopropyl ether	14.5	0.50	11	16.2		90	75-125			
1,2-Dibromoethane (EDB)	15.3	0.50	11	16.6		92	85-120			
1,2-Dichloroethane	15.8	0.50	"	15.5		102	85-130			
Ethanol	132	100	Ħ	165		80	70-135			CC02
Ethyl tert-butyl ether	14.1	0.50	H	16.4		86	75-130			
Methyl tert-butyl ether	7.61	0.50	11	7.84		97	65-125			
Surrogate: 1,2-Dichloroethane-d4	2.38		"	2.50		95	60-135			
Surrogate: 4-Bromofluorobenzene	2.50		n	2.50		100	70-120			
Surrogate: Dibromofluoromethane	2.27		"	2.50		91	65-130			
Surrogate: Toluene-d8	2.36		"	2.50		94	70-120			
Matrix Spike (6C21028-MS1)		rce: MPC02	290-02	Prepared	& Analyz	ed: 03/21	/06			
tert-Amyl methyl ether	146	5.0	ug/l	163	ND	90	80-115			
tert-Butyl alcohol	6890	200	11	1690	5600	76	75-120			
Di-isopropyl ether	146	5.0	Ħ	162	ND	90	75-125			
1,2-Dibromoethane (EDB)	155	5.0	n	166	ND	93	85-120			
1,2-Dichloroethane	153	5.0	Ħ	155	ND	99	85-130			
Ethanol	1210	1000	Ħ	1650	77	69	70-135			QM02, CC02
Ethyl tert-butyl ether	142	5.0	II	164	ND	87	75-130			
Methyl tert-butyl ether	574	5.0	'n	78.4	560	18	65-125			QM0
Surrogate: 1,2-Dichloroethane-d4	2.33		"	2.50		93	60-135			
Surrogate: 4-Bromofluorobenzene	2.34		"	2.50		94	70-120			
Surrogate: Dibromofluoromethane	2.09		"	2.50		84	65-130			
Surrogate: Toluene-d8	2.36		"	2.50		94	70-120			

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0290
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	03/24/06 16:06

	-		-							
Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C21028 - EPA 5030B P/T										
Matrix Spike Dup (6C21028-MSD1)	Sour	ce: MPC02	90-02	Prepared	& Analyz	ed: 03/21/	06			
tert-Amyl methyl ether	151	5.0	ug/l	163	ND	93	80-115	3	15	
tert-Butyl alcohol	6960	200	"	1690	5600	80	75-120	1	25	
Di-isopropyl ether	144	5.0	11	162	ND	89	75-125	1	15	
1,2-Dibromoethane (EDB)	159	5.0	IT	166	ND	96	85-120	3	15	
1,2-Dichloroethane	165	5.0	н	155	ND	106	85-130	8	20	
Ethanol	1290	1000	H	1650	77	74	70-135	6	35	CC0
Ethyl tert-butyl ether	144	5.0	ŧ	164	ND	88	75-130	1	25	
Methyl tert-butyl ether	591	5.0	и	78.4	560	40	65-125	3	20	QM0
Surrogate: 1,2-Dichloroethane-d4	2.56		"	2.50		102	60-135			
Surrogate: 4-Bromofluorobenzene	2.50		"	2.50		100	70-120			
Surrogate: Dibromofluoromethane	2.29		"	2.50		92	65-130			
Surrogate: Toluene-d8	2.42		"	2.50		97	70-120			

Sequoia Analytical - Morgan Hill



601 North	ental Resolutions (Exxon) 1 McDowell Blvd. CA, 94954	Project: Project Number: Project Manager:		MPC0290 Reported: 03/24/06 16:06
		Notes and D	efinitions	-
QM05			MSD due to analyte concentration at 4 times or gr or LCSD recoveries within the acceptance limits.	eater the spike
QM02	The spike recovery was below control limit	ts for the MS and/or	MSD. The batch was accepted based on acceptab	le LCS recovery.
QM01	The spike recovery was above control limit	ts for the MS and/or	MSD. The batch was accepted based on acceptab	le LCS recovery.
QC20	The RPD was outside control limits.			
HC-11	The result for this hydrocarbon is elevated	due to the presence	of single analyte peak(s) in the quantitation range.	
CC02	The result was reported with a possible low criteria.	v bias due to the con	tinuing calibration verification falling outside the a	acceptance
DET	Analyte DETECTED			
ND	Analyte NOT DETECTED at or above the repo	rting limit		
NR	Not Reported			
dry	Sample results reported on a dry weight basis			
RPD	Relative Percent Difference			

Sequoia Analytical - Morgan Hill

CHAIN OF CUSTODY RECORD

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**r**<sup>2</sup>

Page \_\_1\_ of \_\_1\_

24

Test America	) <sup>C(</sup>	onsultant Nam			ions, Inc.		I	Exxo	nMob	il Eng	ineer	Jen	nifer	Sed	lache	ek	;				
INCORPORATE	<b>.</b> 0		s: <u>601 N. M</u> cl					·TeĮ	epho	ne Nu	mber	(510	) 547-	8196							
408-776-9600		City/State/Zi	p: Petaluma,	California 9	4954		-		5	Ассон	int #:	1022	28								
Morgan Hill Division	I	Project Manage	er <u>Paula Sime</u>	<del>)</del>		<u> </u>	20290	٥		/ ,	PO #:										-
885 Jarvis Drive	Tele	phone Numbe	r: <u>(707) 766-</u> 2	2000			- 117 - 19 (Same - Art - 19 - 19 - 19 - 19 - 19 - 19 - 19 - 1		F	acility	ID #	702	38								
Morgan Hill, CA 95037		RI Job Numbe			·		-			Globa	i ID#	T060	00101	343							-
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24 hour 72 hour	PROVIDE:	Special Instr	uctions:					L	Matri	×					An	alyze	For:				
	EDF Report	7 CA Oxys =	MTBE, ETBE,	TAME, DIP	'E, TBA, 1,;	2-DCA, EDB.			ļ				]	g	<b>_</b>	1					Ţ
48 hour 96 hour		"Use 8260E	SIM for TB	A analyse	s. TBA de	etection lim	it 5 ug/L."				8015B	8021B	8260B	Oxys 8260B	Ethanol 8260B						
✓8 day							-		1		8Ó	80	8	sys	0 8						l
Sample ID / Descript	ion	DATE	TILLE					Water	Soil	Vapor	ТРН	BTEX	MTBE	7 CA C	han	1					ľ
QCBB `			IOSS	COMP	GRAB	PRESERV	NUMBER	3		>	E	'n	Σ	~	ш		<u> </u>	<b>[</b> ]	$\vdash$	<b> </b>	ļ
		3-7-06				<u>HCI</u>	2 VOAs	X			н	0	L	D			<b></b>				
MW9A <		┥──┤───	1150			HCI	6 VOAs	x		_	х	х	х	х	x						
MW9B *			1125			HCI	6 VOAs	x			X	x	x	x					$\square$		Γ
MW9C *			1140			HCI	6 VOAs	x			x	х	x	x							t
MW9D '			1100			HCI	6 VOAs											┝╼╌┥	$\vdash$		┢
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MW9G						Hel-	6 VOAs	X			<u>× (</u>	X	х	X							
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		SEQUO		IALYTICAL SAM	PLE RECE	EIPT LO	G	an a		-
CLIENT NAME: REC. BY (PRINT) WORKORDER:	ERT EB MPC0290		- - -	DATE REC'D AT LAB: TIME REC'D AT LAB: DATE LOGGED IN:		•	•	-	For Regulat DRINKING WASTE WA	
CIRCLE THE APPR	OPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERV ATIVE	рН	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*									
2. Chain-of-Custody 3. Traffic Reports or	Present Absent*			· · · · · · · · · · · · · · · · · · ·					·	
Packing List: 4. Airbill:	<u>Airbill / Absept</u>				· 	<u>, :</u>				
5. Airbill #: 6. Sample Labels:	Presept / Absent									
7. Sample IDs:	on Chain-of-Custody					with	1/			
8. Sample Condition: 9. Does information o	Leaking*				6.					
traffic reports and agree?			·, ~		18					· · · · · · · · · · · · · · · · · · ·
10. Sample received wit hold time?	Yes/No*		· 	L.O.					·	
11. Adequate sample vo received?	Yes No*		-	W	· · · · · · · · · · · · · · · · · · ·					
12. Proper preservatives 13. Trip Blank / Temp B						· · · · · · · · · · · · · · · · · · ·				
(circle which, if yes) 14. Read Temp: Corrected Temp:	<u>5.2</u> <u>5.7</u>							1 Xxa		
Is corrected temp 4 (Acceptance range for sample	+/-2°C? (es/No**					•			·	
**Exception (if any): ME or Problem COC	ETALS / DFF ON ICE		•							
SAL Revision 7 Replaces Rev 5 (07/13 Effective 07/19/05	3/04)	*IF ĈIR	CLED,	CONTACT PROJECT	ANAGER ANI	D ATTACH	RECO	RD OF RE	SOLUTION.	Page 61



7 February, 2006

Paula Sime Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma, CA 94954

RE: Exxon 7-0238 Work Order: MPA1456

Enclosed are the results of analyses for samples received by the laboratory on 01/30/06 18:10. The samples arrived at a temperature of 5° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticio Ruyes

Leticia Reyes Project Manager

CA ELAP Certificate #1210

Page 1 of 9



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

Environmental Resolutions (Exxon)	Project:	Exxon 7-0238	MPA1456
601 North McDowell Blvd.	Project Number:	7-0238	Reported:
Petaluma CA, 94954	Project Manager:		02/07/06 13:09

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-INF	MPA1456-01	Water	01/27/06 16:30	01/30/06 18:10
W-INT 1	MPA1456-02	Water	01/27/06 16:00	01/30/06 18:10
W-INT 2	MPA1456-03	Water	01/27/06 15:30	01/30/06 18:10
W-PSP-1	MPA1456-04	Water	01/27/06 15:00	01/30/06 18:10

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project:	Exxon 7-0238	MPA1456
601 North McDowell Blvd.	Project Number:	7-0238	Reported:
Petaluma CA, 94954	Project Manager:	Paula Sime	02/07/06 13:09

·····	Sequ	Ula Alla	iyucai	- morg					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
W-INF (MPA1456-01) Water	Sampled: 01/27/06 16:30	Received	: 01/30/0	6 18:10					
Gasoline Range Organics (C4-C12	2) ND	250	ug/l	5	6A31029	01/31/06	01/31/06	EPA 8015B/8021B	¥
Benzene	ND	2.5	11	"	N	**	"	0	
Toluene	ND	2.5	"	н	и,	и	"	11	
Ethylbenzene	ND	2.5	11	11	"	H	"	11	
Xylenes (total)	ND	2.5		н	11	ų	н	11	
Methyl tert-butyl ether	170	12	11	81	n	"	и	u	
Surrogate: a,a,a-Trifluorotoluene		111 %	80	-120	u	"	u	"	
Surrogate: 4-Bromofluorobenzene		104 %	80	-120	"	"	"	"	
W-INT 1 (MPA1456-02) Water	Sampled: 01/27/06 16:0	0 Receive	ed: 01/30	/06 18:10					
Gasoline Range Organics (C4-C12	2) ND	50	ug/l	1	6A31029	01/31/06	01/31/06	EPA 8015B/8021B	· · · · · · · · · · · · · · · · · · ·
Benzene	ND	0.50	н	"	**	n	н	11	
Toluene	ND	0.50	*	"	н	#	н	n	
Ethylbenzene	ND	0.50	н	li I	17	11	11	и	
Xylenes (total)	ND	0.50	11	u	"	"	*	n	
Methyl tert-butyl ether	ND	2.5	11	"	·	U.	11	n	
Surrogate: a,a,a-Trifluorotoluene		114 %	80	-120	н	н	"	"	
Surrogate: 4-Bromofluorobenzene	!	104 %	80	-120	"	"	"	"	
W-INT 2 (MPA1456-03) Water	Sampled: 01/27/06 15:3	0 Receive	ed: 01/30	/06 18:10					
Gasoline Range Organics (C4-C12	,	50	ug/l	1	6A31029	01/31/06	01/31/06	EPA 8015B/8021B	
Benzene	ND	0.50	11	и	"	11	n	н	
Toluene	ND	0.50	u	и	"	17	"	n	
Ethylbenzene	ND	0.50	"	н	11	11	"	U U	
Xylenes (total)	ND	0.50	11	"	n	n	••	"	
Methyl tert-butyl ether	ND	2.5	Ħ	"	u	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		112 %	80	-120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	2	101 %	80	-120	"	11	п	"	



 D		Project Man		0238 ula Sime				<b>Reported</b> : 02/07/06 13	
I ui	geable Hydroc	arbons	and B	TEX by	EPA 80	)15B/802	21 <b>B</b>		
	Sequ	oia Ana	lytical	- Morg	an Hill				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-PSP-1 (MPA1456-04) Water Sam	pled: 01/27/06 15:0	0 Receive	d: 01/30	/06 18:10					
Gasoline Range Organics (C4-C12)	ND	25000	ug/l	500	6B01018	02/01/06	02/01/06	EPA 8015B/8021B	
Benzene	ND	250	Ħ	"	и	и	н	н	
ſoluene	ND	250	n	0	n	II	"	17	
Ethylbenzene	ND	250	н	n	"	n	u	ji ji	
Kylenes (total)	ND	250	11	"	"	11	11	11	
Methyl tert-butyl ether	32000	1200	"	"	**	11	"	n 	
Surrogate: a,a,a-Trifluorotoluene		97 %	80-	-120	n	н	н	"	
Surrogate: 4-Bromofluorobenzene		106 %	80-	120	"	"	"	"	
W-PSP-1 (MPA1456-04RE1) Water	Sampled: 01/27/06	15:00 Re	ceived: (	01/30/06 18	8:10				
Gasoline Range Organics (C4-C12)	20000	5000	ug/l	100	6A31029	01/31/06	01/31/06	EPA 8015B/8021B	HC-11
Benzene	ND	50	11	u	11			"	
Foluene	ND	50	u	"	11	n	"	п	
Ethylbenzene	ND	50	11	*	**	"	"	н	
Xylenes (total)	ND	50	11	11	и	"	"	u	
Methyl tert-butyl ether	28000	250	"	ti	u		ŧ	u.	E
Surrogate: a,a,a-Trifluorotoluene		111 %	80-	-120	"	"	"	п	
Surrogate: 4-Bromofluorobenzene		101 %	80-	-120	"	"	и	"	
W-PSP-1 (MPA1456-04RE2) Water	Sampled: 01/27/06	15:00 Re	ceived: (	01/30/06 18	8:10				
Gasoline Range Organics (C4-C12)	20000	5000	ug/l	100	6B03008	02/03/06	02/03/06	EPA 8015B/8021B	HC-11
Benzene	ND	50	"	n	11	51	"	"	
Toluene	ND	50		U	11	It	(1	19	
Ethylbenzene	ND	50	**	11	"	11	"	"	
Xylenes (total)	ND	50	"		H	**	It	"	
Methyl tert-butyl ether	29000	250		n	"	11	"		E
Surrogate: a,a,a-Trifluorotoluene		112 %	80	-120	н	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %		-120	"	"	"	11	



Environmental Resolutions (Exxon)	Project:	Exxon 7-0238	MPA1456
601 North McDowell Blvd.	Project Number:	7-0238	Reported:
Petaluma CA, 94954	Project Manager:	Paula Sime	02/07/06 13:09

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

Sequoia An	alytical - N	Morgan Hill
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·····		Evaluation	· · · · · ·	Spike	Source	-	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6A31029 - EPA 5030B [P/T]										
Blank (6A31029-BLK1)				Prepared	& Analyz	ed: 01/31/0	06			
Gasoline Range Organics (C4-C12)	ND	25	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	17							
Methyl tert-butyl ether	ND	1.25	"							
Surrogate: a,a,a-Trifluorotoluene	90.1	·	"	80.0		113	80-120			
Surrogate: 4-Bromofluorobenzene	80.3		"	80.0		100	80-120			
LCS (6A31029-BS1)				Prepared	& Analyz	ed: 01/31/				
Gasoline Range Organics (C4-C12)	215	50	ug/l	275		78	55-130			
Benzene	4.15	0.50	"	4.10		101	75-150			
Toluene	19.4	0.50	11	20.7		94	80-115			
Ethylbenzene	3.83	0.50	u	4.85		79	75-115			
Xylenes (total)	22.3	0.50	11	23.8		94	75-115			
Surrogate: a,a,a-Trifluorotoluene	75.6		"	80.0		94	80-120			
Surrogate: 4-Bromofluorobenzene	82.6		"	80.0		103	80-120			
Matrix Spike (6A31029-MS1)		rce: MPA14	456-02	Prepared	& Analyz	ed: 01/31/	06			
Gasoline Range Organics (C4-C12)	203	50	ug/l	275	28	64	55-130			
Benzene	3.66	0.50	"	4.10	ND	89	75-150			
Toluene	19.8	0.50	0	20.7	ND	96	80-115			
Ethylbenzene	3.86	0.50	n	4.85	ND	80	75-115			
Xylenes (total)	23.0	0.50	"	23.8	ND	97	75-115			
Surrogate: a,a,a-Trifluorotoluene	89.3		"	80.0		112	80-120			
Surrogate: 4-Bromofluorobenzene	83.2		"	80.0		104	80-120			
Matrix Spike Dup (6A31029-MSD1)		rce: MPA1	456-02	Prepared	& Analyz	zed: 01/31.	/06			
Gasoline Range Organics (C4-C12)	189	50	ug/l	275	28	59	55-130	7	35	
Benzene	3.46	0.50	11	4.10	ND	84	75-150	6	25	
Toluene	19.0	0.50	n	20.7	ND	92	80-115	4	25	
Ethylbenzene	3.70	0.50	н	4.85	ND	76	75-115	4	25	

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954		Project Nur Project Mar	mber: 7-						MPA14 Report 02/07/06	ed:
Purgeable Hyd		and BTE uoia Ana	•			1 <b>B -</b> Q	uality C	Contro	1	
Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6A31029 - EPA 5030B [P/T]										
Matrix Spike Dup (6A31029-MSD1)	Sou	rce: MPA14	56-02	Prepared	& Analyz	ed: 01/31/	06			
Xylenes (total)	21.8	0.50	ug/l	23.8	ND	92	75-115	5	25	
Surrogate: a,a,a-Trifluorotoluene Surrogate: 4-Bromofluorobenzene	88.5 81.8		H H	80.0 80.0		111 102	80-120 80-120			
Batch 6B01018 - EPA 5030B [P/T]		- •								
Blank (6B01018-BLK1)				Prepared	& Analyz	ed: 02/01/	06			
Gasoline Range Organics (C4-C12)	ND	25	ug/l							
Benzene	ND	0.25	и							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	U							
Xylenes (total)	ND	0.25	"							
Methyl tert-butyl ether	ND	1.25	"							
Surrogate: a,a,a-Trifluorotoluene Surrogate: 4-Bromofluorobenzene	39.6 42.7		"	40.0 40.0	<u> </u>	99 107	80-120 80-120			
LCS (6B01018-BS1)				Prepared	& Analyz	ed: 02/01/	06			
Gasoline Range Organics (C4-C12)	233	50	ug/l	275		85	55-130			
Benzene	4.66	0.50	"	4.10		114	75-150			
Toluene	20.3	0.50	"	20.7		98	80-115			
Ethylbenzene	3.89	0.50	11	4.85		80	75-115			
Xylenes (total)	22.5	0.50	"	23.8		95	75-115			
Surrogate: a,a,a-Trifluorotoluene Surrogate: 4-Bromofluorobenzene	36.3 44.4		"	40.0 40.0		91 111	80-120 80-120			
LCS Dup (6B01018-BSD1)				Prepared	& Analyz	ed: 02/01/	′06			
Gasoline Range Organics (C4-C12)	253	50	ug/l	275		92	55-130	8	35	
Benzene	5.20	0.50	н	4.10		127	75-150	11	25	
Toluene	22.2	0.50	"	20.7		107	80-115	9	25	
Ethylbenzene	4.31	0.50	**	4.85		89	75-115	10	25	
Xylenes (total)	25.1	0.50	и	23.8		105	75-115	11	25	
Surrogate: a,a,a-Trifluorotoluene Surrogate: 4-Bromofluorobenzene	36.5 43.6		H	40.0 40.0		91 109	80-120 80-120			

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project:	 MPA1456
601 North McDowell Blvd.	Project Number:	Reported:
Petaluma CA, 94954	Project Manager:	02/07/06 13:09
		02/07/08 13:09

		Evaluation		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6B03008 - EPA 5030B [P/T]										
Blank (6B03008-BLK1)				Prepared a	& Analyze	ed: 02/03/0	06			
Gasoline Range Organics (C4-C12)	ND	25	ug/l							
Benzene	ND	0.25	n							
Toluene	ND	0.25	u							
Ethylbenzene	ND	0.25	n							
Xylenes (total)	ND	0.25	u							
Methyl tert-butyl ether	ND	1.25	"							
Surrogate: a,a,a-Trifluorotoluene	90.6		"	80.0		113	80-120			
Surrogate: 4-Bromofluorobenzene	83.6		"	80.0		104	80-120			
LCS (6B03008-BS1)				Prepared	& Analyz	ed: 02/03/	06			
Gasoline Range Organics (C4-C12)	234	50	ug/l	275		85	55-130			
Benzene	4.29	0.50	"	4.10		105	75-150			
Toluene	20.3	0.50	н	20.7		98	80-115			
Ethylbenzene	3.98	0.50	11	4.85		82	75-115			
Xylenes (total)	22.8	0.50	и	23.8		96	75-115			
Surrogate: a,a,a-Trifluorotoluene	78.8		n	80.0		98	80-120			
Surrogate: 4-Bromofluorobenzene	84.7		"	80.0		106	80-120			
Matrix Spike (6B03008-MS1)	Sou	rce: MPA14	66-01	Prepared	& Analyz	ed: 02/03/	06			
Gasoline Range Organics (C4-C12)	204	50	ug/l	275	ND	74	55-130			
Benzene	4.10	0.50	"	4.10	ND	100	75-150			
Toluene	20.2	0.50	'n	20.7	ND	98	80-115			
Ethylbenzene	3.93	0.50	11	4.85	ND	81	75-115			
Xylenes (total)	22.8	0.50	11	23.8	ND	96	75-115			
Surrogate: a,a,a-Trifluorotoluene	85.3		"	80.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	84.0		"	80.0		105	80-120			
Matrix Spike Dup (6B03008-MSD1)	Sou	rce: MPA14	466-01	Prepared	& Analyz	ed: 02/03/	06			
Gasoline Range Organics (C4-C12)	205	50	ug/l	275	ND	75	55-130	0.5	35	
Benzene	4.14	0.50	"	4.10	ND	101	75-150	1	25	
Toluene	19.9	0.50	u	20.7	ND	96	80-115	1	25	
Ethylbenzene	3.90	0.50	н	4.85	ND	80	75-115	0.8	25	

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPA1456
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	02/07/06 13:09

		Evaluation		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6B03008 - EPA 5030B [P/T]							_			
Matrix Spike Dup (6B03008-MSD1)	Sour	ce: MPA14	66-01	Prepared	& Analyze	ed: 02/03/	06			
Xylenes (total)	22.5	0.50	ug/l	23.8	ND	95	75-115	1	25	,
				· •·····						
Surrogate: a,a,a-Trifluorotoluene	84.8		н	80.0		106	80-120			

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601 North	nental Resolutions (Exxon) h McDowell Blvd. CA, 94954	Project: Project Number: Project Manager:		MPA1456 Reported: 02/07/06 13:09			
		Notes and De	finitions				
HC-11	The result for this hydrocarbon is elev	vated due to the presence of	of single analyte peak(s) in the quantitation range.				
Е	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.						
DET	Analyte DETECTED						
ND	Analyte NOT DETECTED at or above the	e reporting limit					
NR	Not Reported						
dry	Sample results reported on a dry weight b	pasis					
RPD	Relative Percent Difference						

Sequoia Analytical - Morgan Hill

CHAIN OF CUSTODY RECORD

Page \_\_\_\_ of \_\_\_\_

1

Teat Amorica	Co	nsultant Name	: Environme	ntal Resolut	ions, Inc.		ExxonMobil Engineer Jennifer Sedlachek													
Test/America	L		: 610 North				-	Tele	phon	e Nu	nber	<u>510-</u>	547-81	196						
(615) 726-0177		City/State/Zip	: Petaluma,	CA 94954					A	\ccou	nt #:	1022	8							
Nashville Division	P	roject Manage					-			P	°O #:	4505	8912	67	. <u></u>	_				
2960 Foster Creighton		phone Number					_		Fa	acility	ID #	<u>+ 7-02</u>	38							
Nashville, TN 37204	EI	RI Job Number	: 2293-11	IX		er and a	_		C	Globa	i ID#	<u>ا</u>						<u></u>		
		er Name: (Print		term	an		-	Site Address 2200 East 12th												
ExonMobil	Sam	pler Signature		Jen	nai		-		City	, Stat	e Zip	Oakl	and, (	Califor	nia					
 TAT	PROVIDE:	Special Instru		MPA					Matrix	<u>.</u>			,		Ana	lyze i	For:			<u> </u>
24 hour 72 hour	EDF Report			INYHI	450															
48 hour 96 hour	LDI Roport										15	B	g							
											8015	802	8020							
8 day	<u> </u>		T	<del>1 :</del>	· · · · · · ·	<u> </u>		ter	Soil	bğ	ТРНд	BTEX 8021B	MTBE							
Sample ID / Descrip	tion	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Water	Ň	Vapor	Ë	E	Σ							
W-INF	61	1/27/06	1630		X	нсі	5voa	x			Х	x	х						<u> </u>	
W-INT 1	bV	11	16"		<u>x</u>	HCI	5voa	х			Х	X	х							
W-INT 2	6-7 ·	11	1530		х	HCI	5voa	x			X	x	x							
	wel.	11	1500		Х	HCI	5voa	х			х	x	x							
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· · · ·	<del></del>	L							<u></u>											
Relinquished by: JHerma Ann Morrisse	M Date 1 - 30	30/06	<sup>Time</sup> ( ()	00	Received b	y: Ollon Ann	lu zv Motrisse	و-/ ۱۰ ح	0-00 - <del>3</del> 00	Time e 1, ob (	16v 2.V				eratu	re Up	on Re	eceipt:		
Relinquished by: Abrung	Date  -	30-06	Time /	235	Received b	y TestAmerica	full	h	1/8		6/	5/1		Samp VOAs						
frend	h	[[30]00	- 191	10		JVK			Ιβ	olog	14	5,1U								

		·	•	•	>		• • •		
	0000		ALYTICAL SAM	PLE RECE	EIPT LO	G		-	-
	SEGOO			12.101				For Poquiat	tory Purposes?
CLIENT NAME: ERT		-	DATE REC'D AT LAB				• .	DRINKING	
REC. BY (PRINT) MF			TIME REC'D AT LAB:					WASTE WA	
WORKORDER:		_	DATE LOGGED IN:	1-31-06	2	• •	•	WASIE WA	
		• •							
CIRCLE THE APPROPRIATE RESPONSE	LAB	DASH	CLIENT ID		PRESERV	рH	SAMPLE	DATE	REMARKS: CONDITION (ETC.)
CIRCLE THE APPROPRIATE REOF OTHER	SAMPLE #	#	CLIENT ID	DESCRIPTION	ATIVE		MATRIX	SAMPLED	
1 Custody Seal(s) Present Absent	01	A-F	W-INF	S-Voa	HCL		<u> </u>	130/06	· · · · · · · · · · · · · · · · · · ·
1. Custody Seal(s) Present/ Absent Intact / Broken*	in	8	W-INTI				┼╌╌┼╌──		
2. Chain-of-Custody Present Absent*	63	[· ]	W-INT 2	└ <u>──</u>	<u> </u>				
3. Traffic Reports or	Day	V	N-PSP-1		- V	¥	<u> </u>		
Packing List: Present Absent									
4. Airbill: Airbill / Sticker		L	·····		<u>, , ,</u>				
Present (Absent)		<u></u>	•	· · · · · · · · · · · · · · · · · · ·		•			
5. Airbill #:	· · · · · · · · · · · · · · · · · · ·	ļ		· · · · · · · · · · · · · · · · · · ·					/
6 Sample Labels: Present / Absent	<u> </u>								· · · · · · · · · · · · · · · · · · ·
7 Sample IDs: Listed / Not Listed									
on Ohain-of-Custody					1				· · · · · · · · · · · · · · · · · · ·
8. Sample Condition: (Intact/ Broken* /					N.A		1		•
Leaking*		+			W	$\mathbb{N}$			
9. Does information on chain-of-custody,		· · ·			INA	<u> </u>	ļ		
traffic reports and sample labels (Yes) No*	;		· · · · · · · · · · · · · · · · · · ·	$ \int a $	DK		ļ	•	·
agreet			• •	13	$\gamma$	·	<u> </u>		
0. Sample received within hold time?							<u> </u>		
1 Adequate sample volume	<u></u>								······································
received?		<b></b>	<u> </u>						
2. Proper preservatives used? (es/ No*	<i>_</i>			]					
3. Trip Blank / Temp Blank Received?	. <u> </u>				1				
(circle which, if yes) Yes (No*)	<u> </u>	+	/	·····					· · · · · · · · · · · · · · · · · · ·
4. Read Temp:				1					· · · · · · · · · · · · · · · · · · ·
Corrected Temp:		<del> </del>	/		•				
Is corrected temp 4 +/-2°C? (Yes/ No**		+				+	ļ		·····
Acceptance range for samples requiring thermal pres.)		1.			ļ	·	·		·
**Exception (if any): METALS / DFF ON ICE							-		
or Problem COC	*IE CIB	CLED. (	CONTACT PROJECT M	ANAGER AND	ATTACH	RECOF	D OF RES	SOLUTION.	ţ.
CPL Pavision 7				· .			••		Page of
SRL Revision 7 Replaces Rev 5 (07/13/04)			:						
Effective 07/19/05									

Replaces Rev 5 (07/13/04) Effective 07/19/05

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10 February, 2006

Paula Sime Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma, CA 94954

RE: Exxon 7-0238 Work Order: MPB0197

Enclosed are the results of analyses for samples received by the laboratory on 02/06/06 16:15. The samples arrived at a temperature of 3° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticio Ruyes

Leticia Reyes Project Manager

CA ELAP Certificate #1210

Page 1 of 6



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Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPB0197
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	02/10/06 16:08

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID		Laboratory ID	Matrix	Date Sampled	Date Received
W-PSP-1	۹.	MPB0197-01	Water	02/03/06 14:00	02/06/06 16:15

Sequoia Analytical - Morgan Hill



D l	le Hydrocarbons and BTEX by EPA 801	
Petaluma CA, 94954	Project Manager: Paula Sime	02/10/06 16:08
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPB0197

### Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia A	nalytical -	Morgan	Hill

Analyte	F Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
W-PSP-1 (MPB0197-01) Water Sa	ampled: 02/03/06 14:00	Receive	ed: 02/06/0	6 16:15					
Gasoline Range Organics (C4-C12)	61	50	ug/l	1	6B09007	02/09/06	02/09/06	EPA 8015B/8021B	HC-11
Benzene	ND	0.50	u	u		ti	11		
Toluene	ND	0.50	11	*1	11	н	11	u	
Ethylbenzene	ND	0.50	**	**	11	H	н	a	
Xylenes (total)	ND	0.50	"	н	"	и	н	11	
Methyl tert-butyl ether	ND	2.5	11	"	"	"	и	"	
Surrogate: a,a,a-Trifluorotoluene		97 %	80-1.	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	80-12	20	n	u	"	"	

Ν.



	ental Resolutions (Exxon)	Project:	Exxon 7-0238	MPB0197
	McDowell Blvd.	Project Number:	7-0238	Reported:
Petaluma	CA, 94954	Project Manager:	Paula Sime	02/10/06 16:08

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

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6B09007 - EPA 5030B [P/T]										
Blank (6B09007-BLK1)				Prepared	& Analyze	d: 02/09/	06			
Gasoline Range Organics (C4-C12)	ND	25	ug/l							
Benzene	ND	0.25								
Toluene	ND	0.25								
Ithylbenzene	ND	0.25	н							
(ylenes (total)	ND	0.25	"							
Methyl tert-butyl ether	ND	1.25	"							
Surrogate: a,a,a-Trifluorotoluene	38.8	•	"	40.0		97	80-120			
urrogate: 4-Bromofluorobenzene	43.4		"	40.0		108	80-120			
LCS (6B09007-BS1)				Prepared	& Analyze	ed: 02/09/	06			
<b>Jasoline Range Organics (C4-C12)</b>	244	50	ug/l	275		89	55-130			
Benzene	5.01	0.50	n	4.10		122	75-150			
Coluene	21.0	0.50	11	20.7		101	80-115			
Ethylbenzene	3.95	0.50	u	4.85		81	75-115			
Kylenes (total)	24.0	0.50	11	23.8		101	75-115			
Surrogate: a,a,a-Trifluorotoluene	36.9		"	40.0		92	80-120			
Surrogate: 4-Bromofluorobenzene	44.6		"	40.0		112	80-120			
Matrix Spike (6B09007-MS1)	So	urce: MPB01	97-01	Prepared	& Analyze	ed: 02/09/	06			
Gasoline Range Organics (C4-C12)	286	50	ug/l	275	61	82	55-130			
Benzene	4.92	0.50	н	4.10	ND	120	75-150			
foluene	20.5	0.50	"	20.7	ND	99	80-115			
Ethylbenzene	3.92	0.50	0	4.85	ND	81	75-115			
Xylenes (total)	23.7	0.50	11	23.8	ND	100	75-115			
Surrogate: a,a,a-Trifluorotoluene	35.7	·	"	40.0		89	80-120			
Surrogate: 4-Bromofluorobenzene	44.3		"	40.0		111	80-120			
Matrix Spike Dup (6B09007-MSD1)	So	urce: MPB01	97-01	Prepared	& Analyz	ed: 02/09/	06			
Gasoline Range Organics (C4-C12)	275	50	ug/l	275	61	78	55-130	4	35	
Benzene	4.52	0.50	u	4.10	ND	110	75-150	8	25	
Toluene	20.5	0.50	н	20.7	ND	99	80-115	0	25	
Ethylbenzene	3.90	0.50	17	4.85	ND	80	75-115	0.5	25	

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPB0197
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	02/10/06 16:08

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

Sequoia Analytical	- Morgan Hill
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Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6B09007 - EPA 5030B [P/T]										
Matrix Spike Dup (6B09007-MSD1)	Sou	rce: MPB01	97-01	Prepared	& Analyze	ed: 02/09/	06			
Xylenes (total)	23.8	0.50	ug/l	23.8	ND	100	75-115	0.4	25	
Surrogate: a,a,a-Trifluorotoluene	35.7		"	40.0		89	80-120			
Surrogate: 4-Bromofluorobenzene	43.1		"	40.0		108	80-120			



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601 Nort	nental Resolutions (Exxon) h McDowell Blvd. 1 CA, 94954	Exxon 7-0238 7-0238 Paula Sime	MPB0197 Reported: 02/10/06 16:08					
		Notes and De	efinitions					
HC-11	HC-11 The result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.							
DET	Analyte DETECTED							
ND	Analyte NOT DETECTED at or above the	e reporting limit						

- Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- Sample results reported on a dry weight basis dry
- RPD Relative Percent Difference

Sequoia Analytical - Morgan Hill

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CHAIN OF CUSTODY RECORD

1

Page \_\_\_\_ or \_\_\_\_ \_

Nashville Division       Project Manager Pauls Sime       Po (#, 450591267         2960 Foster Creighton       Telephone Number;       2203-11X         Sampler Signature:														lifer C	ediac	hok					
(615) 126-0177       City/State/Zip       Project Manage/Pluid Stme       Account #: 10228         Nashville Division       Project Manage/Pluid Stme       Project Manage/Pluid Stme       Project Manage/Pluid Stme         Sampler Name: (Print)       Telephone Mumber: 127:70-70000       ERJ Job Number: 2233-11X       Stat Address 2200 East 12th         Sampler Name: (Print)       Sampler Name: (Print)       Sampler Name: (Print)       Stat Address 2200 East 12th         Sampler Name: (Print)       Sampler Name: (Print)       Sampler Name: (Print)       Martic       Analyzo For:         Sampler Name: (Print)       Sampler Name: (Print)       Sampler Name: (Print)       Martic       Analyzo For:         Sampler ID / Description       DATE       TIME       COMP       GRAB       PRESERV       NUMBER       Sample NUMARER         Sample ID / Description       DATE       TIME       COMP       GRAB       PRESERV       NUMARER       Sample NUMARER	Test America	Со				ons, Inc.	. <u>.</u> , ,	- <sup>E</sup>										. <u> </u>			
Display       Display       Display       Project Manager Paula Sine       Project Manager Paula Sine         2880 Forser Creighton       Telephone Number: 107/08-2000       ERIJs Ub Mumber: 2003-2000       ERIJs Ub Mumber: 2003-2000       ERIJs Ub Mumber: 2003-2000         2890 Forser Creighton       Sampler Signature: Paula Sine       Paula Sine       Paula Sine       Paula Sine         Exponsion       Sampler Signature: Paula Sine       Paula Sine       Paula Sine       Paula Sine         294 four       72 hour       PROVIDE:       Special Instructione:       Marix       Analyze For:         294 hour       72 hour       Brown       MPDD1977       Big Big Hull Big		Address: 610 North McDowell					-														
Name     Trademon     Trademon       Bible Forder Credition     Telephone Number; 1707/08-2000     Facility 10 # 7-0238       Bible Forder Credition     ERicole Number; 2293-11X       Sampler Signature:     Account       Sampler Signature:     Matrix       Account     MPED 197       Sampler D / Description     DATE       TME     COMP       GRAB     PRESERV       NUMBER     Sampler Signature:       Sampler D / Description     DATE       TME     COMP       GRAB     PRESERV       NUMBER     Sampler Signature:       Sample ID / Description     DATE       TME     COMP       GRAB     PRESERV       NUMBER     Sampler Signature:       Sample ID / Description     DATE       TME     COMP       GRAB     PRESERV       NUMBER     Sampler Signature:       Sample ID / Description     DATE       TME     COMP       GRAB     PRESERV       NUMBER     Sampler Signature:       Sample Cription     DATE       TM	(615) 726-0177		City/State/Zip: Petaluma, CA 94954					-													
Base 100 00 00 000000000000000000000000000	Nashville Division	P	roject Manager	Paula Sime				-	4												
Name       Name       Number Name: (Print)       Her Muth       Site Address 2200 East 12th         Exponsion       Sampler Signature       Her Muth       Site Address 2200 East 12th         Marin       PROVIDE:       Special Instructions:       Name       Analyze For.         Marin       Marin       Analyze For.       Analyze For.         Marin       Marin       Analyze For.       Site Address 2200 East 12th         Sample ID / Description       DATE       Time       COMP       GRAB       PRESERV       NUMBER       Site Address 200 East 12th         Sample ID / Description       DATE       Time       Comp       GRAB       PRESERV       NUMBER       Site Address 200 East 12th         Sample ID / Description       DATE       Time       Comp       GRAB       PRESERV       NUMBER       Site Address       Analyze For.         Image: Sample ID / Description       DATE       Time       Comp       GRAB       PRESERV       NUMBER       Sample ID / Description         Image: Sample ID / Description       DATE       Time       Comp       GRAB       PRESERV       NUMBER       Sample ID / Description         Image: Sample ID / Description       DATE       Time       Comp       Graddescriptin       Analin in in in in in in in	2960 Foster Creighton							-	Facility ID # 7-0238												
Image: Contract of the contract	Nashville, TN 37204							-													
Image: Contract of the contract	e.c	Sampl	er Name: (Print)	717	erm	nn		Site Address 2200 East 12th													
Alternative       Product       Product </td <td>EXONIMODIL</td> <td>Sam</td> <td>pler Signature:</td> <td><u>} 4</u></td> <td>en</td> <td>····</td> <td></td> <td>-</td> <td></td> <td>City</td> <td>, Stat</td> <td>e Zip</td> <td>Oakla</td> <td>and, C</td> <td>alifornia</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td>	EXONIMODIL	Sam	pler Signature:	<u>} 4</u>	en	····		-		City	, Stat	e Zip	Oakla	and, C	alifornia	3					
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Sample ID / Description     DATE     Time     Oci     Date		·							/ater	Soil	apor	Ĕ	Ξ	ATB							
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ZZ 2.6.06 16:10 27-	Malle	2-6	-06	•	سے ہ																
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CLIENT NAME: REC. BY (PRINT) WORKORDER:	Etton EX L.R MPB0197	ζ[	DATE REC'D AT LAB: 7-606 TIME REC'D AT LAB: 16:05 DATE LOGGED IN: 2/6:05						For Regulatory Purposes? DRINKING WATER YES AND WASTE WATER YES AND		
CIRCLE THE APPP	ROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERV ATIVE	рН	SAMPLE	DATE SAMPLED	REMARKS: CONDITION (ETC.)	
1. Custody Seal(s)	Present/Absent Intact/Broken*										
2. Chain-of-Custody	Present / Absent*	ļ			<u> </u>						
3. Traffic Reports or			<u> </u>	<u> </u>							
Packing List:	Present Absent	<u> </u>	· <b> </b>	· · · · · · · · · · · · · · · · · · ·				1			
4. Airbill:	Airbill / Sticker Present Absent		<u> </u>								
5. Airbill #:		·			· · · · · · · · · · · · · · · · · · ·			+			
6. Sample Labels:	Present / Absent		ļ	· · · · · · · · · · · · · · · · · · ·							
7. Sample IDs:	Lister Not Listed			· · · · · · · · · · · · · · · · · · ·							
8. Sample Condition:	Leaking*					.00					
9. Does information	on chain-of-custody,		ļ	· · · · · · · · · · · · · · · · · · ·		Ý					
traffic reports and agree?	sample labels Yes / No*	· · ·			04	<u> </u>			· ·		
10. Sample received wind time?	ithin	· · ·		· · · · · · · · · · · · · · · · · · ·	10/						
11. Adequate sample v received?	the second s			/							
12. Proper preservative					<u>                                      </u>	· · · · · · · · · · · · · · · · · · ·			<u> -</u>		
13. Trip Blank / Temp E					ļ	<u> </u>		- <del> </del>	<u> </u>		
(circle which, if yes)	Yes (No*)	<u>`</u>	ļ	· · · ·		<u> </u>	╆ <u></u>	<del>.</del>			
14. Read Temp:	2-70	L				<u> </u>					
Corrected Temp:	2.74			/	<u> </u>		<u>                                      </u>		<u> </u>		
Is corrected temp	4 +/-2°C? Yes/ No**			1							
(Acceptance range for samp	les requiring thermal pres.)	·	$\downarrow$	<u> </u>			1		<u> </u>		
**Exception (if any): M	IETALS / DFF ON ICE		1						· .		
or Problem COC		*IE CIB		CONTACT PROJECT	MANAGER ANI	D ATTACH	RECO	RD OF RE	SOLUTION.	, ) [	



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24 February, 2006

Paula Sime Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma, CA 94954

RE: Exxon 7-0238 Work Order: MPB0940

Enclosed are the results of analyses for samples received by the laboratory on 02/21/06 19:00. The samples arrived at a temperature of 3° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Liticio Ruyes

Leticia Reyes Project Manager

CA ELAP Certificate #1210

Page 1 of 6



Petaluma CA, 94954	Project Manager: Paula Sime	02/24/06 13:12
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPB0940

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-PSP-1	MPB0940-01	Water	02/17/06 15:00	02/21/06 19:00

Sequoia Analytical - Morgan Hill



Reported:
ne 02/24/06 13:

#### Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia	Analytical -	Morgan	Hill

Analyte	F Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-PSP-1 (MPB0940-01) Water	Sampled: 02/17/06 15:00	Receive	d: 02/21/0	6 19:00					·
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6B22033	02/22/06	02/22/06	EPA 8015B/8021B	
Benzene	ND	0.50	u –	11	н	11	"	"	
Toluene	ND	0.50	41	"	н	**	"	11	
Ethylbenzene	ND	0.50	*1	"	"	н	11	11	
Xylenes (total)	ND	0.50		н	"	и	и	11	
Methyl tert-butyl ether	ND	2.5		"		**	"	11	
Surrogate: a,a,a-Trifluorotoluene	······································	99 %	80-12	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	80-12	20	"	"	"	"	



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPB0940
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	02/24/06 13:12

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

		Evaluation		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6B22033 - EPA 5030B [P/T]							·			
Blank (6B22033-BLK1)				Prepared	& Analyze	ed: 02/22/	06			
Gasoline Range Organics (C4-C12)	ND	25	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	0							
Ethylbenzene	ND	0.25	H							
Xylenes (total)	ND	0.25	н							
Methyl tert-butyl ether	ND	1.25	"							
Surrogate: a,a,a-Trifluorotoluene	81.7		"	80.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	75.3		H	80.0		94	80-120			
LCS (6B22033-BS1)				Prepared	& Analyz					
Gasoline Range Organics (C4-C12)	212	50	ug/l	275		77	55-130			
Benzene	3.88	0.50	n	4.10		95	75-150			
Toluene	19.3	0.50	u	20.7		93	80-115			
Ethylbenzene	3.77	0.50	U	4.85		78	75-115			
Xylenes (total)	21.9	0.50	H	23.8		92	75-115			
Surrogate: a,a,a-Trifluorotoluene	76.5		"	80.0		96	80-120			
Surrogate: 4-Bromofluorobenzene	77.1		"	80.0		96	80-120			
Matrix Spike (6B22033-MS1)	So	urce: MPB04	434-10	<b>4-10</b> Prepared & Analyzed: 02/22/06						
Gasoline Range Organics (C4-C12)	281	50	ug/l	275	120	59	55-130			
Benzene	3.73	0.50	н	4.10	ND	91	75-150			
Toluene	18.1	0.50	*	20.7	ND	87	80-115			
Ethylbenzene	3.48	0.50	"	4.85	ND	72	75-115			QMO
Xylenes (total)	20.7	0.50	"	23.8	ND	87	75-115			
Surrogate: a,a,a-Trifluorotoluene	79.6	-	"	80.0	<del>.</del>	100	80-120			
Surrogate: 4-Bromofluorobenzene	76.6		"	80.0		96	80-120			
Matrix Spike Dup (6B22033-MSD1)	Se	urce: MPB04	434-10	Prepared	& Analyz	ed: 02/22	/06			
Gasoline Range Organics (C4-C12)	276	50	ug/l	275	120	57	55-130	2	35	
Benzene	3.47	0.50	n	4.10	ND	85	75-150	7	25	
Toluene	17.5	0.50	"	20.7	ND	85	80-115	3	25	
Ethylbenzene	3.39	0.50	н	4.85	ND	70	75-115	3	25	QM

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPB0940
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	02/24/06 13:12

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

Sequoia	Analytical	- Morgan Hill
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Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6B22033 - EPA 5030B [P/T]										
Matrix Spike Dup (6B22033-MSD1)	Source: MPB0434-10			Prepared & Analyzed: 02/22/06			06			
Xylenes (total)	19.9	0.50	ug/l	23.8	ND	84	75-115	4	25	• •
Surrogate: a,a,a-Trifluorotoluene	82.2		"	80.0		103	80-120			
				80.0						



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPB0940
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	02/24/06 13:12

#### **Notes and Definitions**

- 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

Sequoia Analytical - Morgan Hill

CHAIN OF CUSTODY RECORD

Page \_\_\_\_ of \_\_\_\_

Test/America	C°	onsultant Name:			ons, Inc.		_ 1	Exxon							achel	<u> </u>				
· · · · INCORPORAT	<b>Д</b> . е о .	Address:	610 North M	IcDowell			-	Tele		ne Nui				96	<u> </u>					
(615) 726-0177		City/State/Zip:	State/Zip: Petaluma, CA 94954						A	Accou	ınt #:	1022	8							
Nashville Division	F	Project Manager	ject Manager Paula Sime				-			F	PO #:	4505	505891267							
960 Foster Creighton	Tele	phone Number:	ne Number: 1707-766-2000				-		Fa	aciiity	/ ID #	7-02	238							
Nashville, TN 37204	E	RI Job Number:	2293-11	<u>X</u>			-		C	Globa	al ID#									
ExonMobil		er Name: (Print) pler Signature:	J.	Aeru	m		-			e Add , State					nia					
AT	PROVIDE:	Special Instru	ctions:					5	Matrix	<u>،</u>					Ana	lyze F	or:			
24 hour 72 hour	EDF Report				(	MPBE	940	$\square$											·	Τ
_] 48 hour			· ·		r						TPHg 8015	BTEX 8021B	MTBE 8020							
Sample ID / Descri	ofion	DATE	ТІМЕ	СОМР	GRAB	PRESERV	NUMBER	Water	Soil	Vapor	ЧТ	ВТЕ	Ψ							
Jampie in / Descrij		a lalva											- <u>×</u> -	C	5					
		Unit			<del>-X</del>	Hel	<del>5voa</del>	$\hat{}$			<u>×</u>	<u> </u>			UB					╈
· · · · · · · · · · · · · · · · · · ·					<u> </u>	HGI					<u>-*</u> -	*				{			+	╋
					X	HCT	5voa	X			X	. X	X		18					╇
W-PSP-1		2 11/04	1500		<u>x</u>	НСІ	5voa	x			x	x	x							$\frac{1}{2}$
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······					· · · · · ·													-	-	
· · · · · · · · · · · · · · · · · · ·																		_	_	
Relinquished by: J Aerry Relinquished by: (110014	um <sup>Date</sup> 2	121/04	Time (2	jor 2	Received b	y: (UO) <i>[[mu]]</i> y TestAmerica	144390	2 2 2/	-21- 2-0	Time Time Time	111 15	50 50	Labo	Temp Samp	eratur ole Co		n Reco rs Inta	<sub>ct?</sub> 1	2.5°	يل مر

CLIENT NAME: <u>ERI</u> REC. BY (PRINT) <u>E B</u> WORKORDER: <u>HPB 699</u>			ALYTICAL SAM DATE REC'D AT LAB TIME REC'D AT LAB DATE LOGGED IN:	2-21-0	94 D	- -		For Regulat DRINKING WASTE WA	·
CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERV ATIVE	рН	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
Custody Seal(s) Present / Absent	~								
Custody Seal(s) Present / Assent Intact / Broken*				·					·
Chain-of-Custody Present Absent*	<u></u>	ļ	l <u>.</u>					· · · · · · · · · · · · · · · · · · ·	
Traffic Beports of	· · · · · · · · · · · · · · · · · · ·	<b> </b>							
Packing List: Present / Absent/	- <u> </u>				1.1.			<u> </u>	
Airbill: Airbill / Sticker									·
Present / Absent									
Airbill #:							14	F	
Sample Labels: Present Absent						1	ľ,		
Sample IDs: Listed Not Listed on Chain-of-Custod	,						F		
					1 pm				
B. Sample Condition: Intact, Broken* /					4 /	<u> </u>			
Does information on chain-of-custody,				0.00			<u> </u>		
traffic reports and sample labels			·	10-		1		·	
agree? Yes/No*					+				
Comple received within			·····						
hold time? (Yes DNo*			/						
Adequate sample volume		·   ·				· · ·			
received?						<u></u>			
2. Proper preservatives used? Yes/ No*									
a Tria Blank / Temp Blank Beceived?		+	1				<u></u>		
Yes (1995)			-			+	·	<u></u>	
4. Read Temp:		1	· ·						
Corrected Temp'									
Is corrected temp 4 +/-2°C? (Yes) No**	-/-				_	╓	-		
tor camples requiring thermal pres.)									
*Exception (if any): METALS / DFF ON ICE			, CONTACT PROJECT	Alternational and the second				FSOLUTION	
or Problem COC	tir oli		CONTACT PROJECT	MANAGER AN	ND ATTACI	1 RECO			Page 9 <sup>F</sup>

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16 March, 2006

Paula Sime Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma, CA 94954

RE: Exxon 7-0238 Work Order: MPC0235

Enclosed are the results of analyses for samples received by the laboratory on 03/06/06 17:20. The samples arrived at a temperature of 3° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charitan If Dell

Christina Dell For Leticia Reyes Project Manager

CA ELAP Certificate #1210

Page 1 of 9



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0235
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	03/16/06 08:03

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-INF	MPC0235-01	Water	03/03/06 14:30	03/06/06 17:20
W-INT 1	MPC0235-02	Water	03/03/06 14:00	03/06/06 17:20
W-INT 2	MPC0235-03	Water	03/03/06 13:30	03/06/06 17:20
W-PSP-1	MPC0235-04	Water	03/03/06 13:00	03/06/06 17:20

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: E	Exxon 7-0238	MPC0235
601 North McDowell Blvd.	Project Number: 7	7-0238	Reported:
Petaluma CA, 94954	Project Manager: F	Paula Sime	03/16/06 08:03

W-INF (MPC0235-01) Water Sampled: 03/03/06 14:30 Received: 03/06/06 17:20

#### Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Gasoline Range Organics (C4-C12)	ND	250	ug/l	5	6C14049	03/14/06	03/14/06	EPA 8015B/8021B	
Benzene	ND	2.5	"	11	п	и	11	ii	
Toluene	ND	2.5	н	11	*	"	11	11	
Ethylbenzene	ND	2.5	"	U	14	u.	H	"	
Xylenes (total)	ND	2.5	"	u	11	u	ħ	n	
Methyl tert-butyl ether	150	12	"	"	н	11	11	11	
Surrogate: a,a,a-Trifluorotoluene		104 %	80	-120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95 %	80	-120	"	"	"	"	

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0235
601 North McDowell Blvd.	Project Number: 7-0238	<b>Reported:</b>
Petaluma CA, 94954	Project Manager: Paula Sime	03/16/06 08:03

W-INT 1 (MPC0235-02) Water Sampled: 03/03/06 14:00 Received: 03/06/06 17:20

### Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B Sequoia Analytical - Morgan Hill

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6C14049	03/14/06	03/14/06	EPA 8015B/8021B	
Benzene	ND	0.50	0	u	11	*	"	"	
Toluene	ND	0.50	"	11	17	н	0	11	
Ethylbenzene	ND	0.50	**	"	u	11	н	ti	
Xylenes (total)	ND	0.50	"	н	"	"	н	tr	
Methyl tert-butyl ether	ND	2.5	u	U.	и	17	"	"	
Surrogate: a,a,a-Trifluorotoluene		104 %	80-	120	"	n	"	"	
Surrogate: 4-Bromofluorobenzene		95 %	80-	120	"	"	n	п	



Environmental Resolutions (Exxon)Project:Exxon 7-0238601 North McDowell Blvd.Project Number:7-0238Petaluma CA, 94954Project Manager:Paula Sime	MPC0235 <b>Reported:</b> 03/16/06 08:03
--	---

W-INT 2 (MPC0235-03) Water Sampled: 03/03/06 13:30 Received: 03/06/06 17:20

# Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B Sequoia Analytical - Morgan Hill

			~	0					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6C14049	03/14/06	03/14/06	EPA 8015B/8021B	
Benzene	ND	0.50	9	u	н	**	"	11	
Toluene	ND	0.50	"	"	0	9	11	u	
Ethylbenzene	ND	0.50	u	11	11	11	11	н	
Xylenes (total)	ND	0.50	**	u	It	11	"	u	
Methyl tert-butyl ether	ND	2.5	17	H	u	"	ri	"	
Surrogate: a,a,a-Trifluorotoluene		103 %	80-	120	"	u	"	"	
Surrogate: 4-Bromofluorobenzene		96 %	80-	120	"	"	"	"	

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project:	Exxon 7-0238	MPC0235
601 North McDowell Blvd.	Project Number:	7-0238	Reported:
Petaluma CA, 94954	Project Manager:	Paula Sime	03/16/06 08:03

#### W-PSP-1 (MPC0235-04) Water Sampled: 03/03/06 13:00 Received: 03/06/06 17:20

# Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
				Difution		· · · · · · · · · · · · · · · · · · ·			
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6C14049	03/14/06	03/15/06	EPA 8015B/8021B	
Benzene	ND	0.50	"		11	11	17	**	
Toluene	ND	0.50	u	11	н	**	n	**	
Ethylbenzene	ND	0.50	"	u	н	"	"	11	
Xylenes (total)	ND	0.50	"	n	u	н	"	11	
Methyl tert-butyl ether	ND	2.5	п	Ħ	11		"	н	
Surrogate: a,a,a-Trifluorotoluene		103 %	80-12	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95 %	80-12	20	"	п	"		



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0235
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	03/16/06 08:03

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

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C14049 - EPA 5030B [P/T]										
Blank (6C14049-BLK1)				Prepared	& Analyze	ed: 03/14/	06			
Gasoline Range Organics (C4-C12)	ND	25	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	u							
Ethylbenzene	ND	0.25	"							
(total)	ND	0.25	н							
Methyl tert-butyl ether	ND	1.25	"							
Surrogate: a,a,a-Trifluorotoluene	41.3		"	40.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	37.6		"	40.0		94	80-120			
LCS (6C14049-BS1)				Prepared	& Analyz	ed: 03/14/	06			
Gasoline Range Organics (C4-C12)	235	50	ug/l	275		85	55-130			
Benzene	3.36	0.50	H	2.65		127	75-150			
Foluene	20.9	0.50	"	23.0		91	80-115			
Ethylbenzene	4.05	0.50	N	4.60		88	75-115			
Xylenes (total)	22.9	0.50	н	26.4		87	75-115			
Surrogate: a,a,a-Trifluorotoluene	40.0		"	40.0		100	80-120			
Surrogate: 4-Bromofluorobenzene	40.1		"	40.0		100	80-120			
Matrix Spike (6C14049-MS1)	So	ource: MPC02	234-04	Prepared	& Analyz	ed: 03/14/	'06			
Gasoline Range Organics (C4-C12)	224	50	ug/l	275	ND	81	55-130			
Benzene	3.20	0.50	"	2.65	ND	121	75-150			
Toluene	19.9	0.50	"	23.0	ND	87	80-115			
Ethylbenzene	3.79	0.50	"	4.60	ND	82	75-115			
Xylenes (total)	21.9	0.50	**	26.4	ND	83	75-115			
Surrogate: a,a,a-Trifluorotoluene	40.4		н	40.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	40.3		n	40.0		101	80-120			
Matrix Spike Dup (6C14049-MSD1)		ource: MPC0	234-04	Prepared	& Analyz	ed: 03/14	/06			
Gasoline Range Organics (C4-C12)	215	50	ug/l	275	ND	78	55-130	4	35	
Benzene	3.35	0.50	"	2.65	ND	126	75-150	5	25	
Toluene	19.2	0.50	11	23.0	ND	83	80-115	4	25	
Ethylbenzene	3.67	0.50	n	4.60	ND	80	75-115	3	25	

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0235
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	03/16/06 08:03

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

Sequoia	Analytical ·	- Morgan Hill
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Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C14049 - EPA 5030B [P/T]										
Matrix Spike Dup (6C14049-MSD1)	Sou	irce: MPC02	34-04	Prepared	& Analyze	ed: 03/14/	06			
Xylenes (total)	21.1	0.50	ug/l	26.4	ND	80	75-115	4	25	
Surrogate: a,a,a-Trifluorotoluene	39.9		"	40.0		100	80-120			

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

601 No	mental Resolutions (Exxon) rth McDowell Blvd. 1a CA, 94954	Project: Project Number: Project Manager:		MPC0235 Reported: 03/16/06 08:03
		Notes and De	efinitions	
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

Sequoia Analytical - Morgan Hill

CHAIN OF CUSTODY RECORD

Page \_\_\_\_ of \_\_\_\_

Test	America	Co	nsultant Name:	Environmen	tal Resolut	ions, Inc.		- E	xxon	Mobi	l Eng	ineer	Jen	nifer S	Sedla	ache	k					
	LH CORPORATE	D		610 North M				-	Tele	ephor	te Nu	mber	510-	547-81	96							
615) 726-0	177		City/State/Zip:	Petaluma, C	CA 94954			-		1	Accor	int #:	1022	8								
Nashville D	ivision	P	roject Manager	Paula Sime				-			ł	PO #:	4505	89126	57							•
2960 Foste	r Creighton		phone Number:					-			acility			38	<u> </u>							
Nashville, 1	'N 37204		RI Job Number:					-		(	Globa	al ID#										
Evin	Mobil	Sample	er Name: (Print)	Jon	Hev	ma	~	-		Sit	e Ado	iress	2200	East	12th							
۳XAI		Sam	pler Signature:	for	Han	me		City, State Zip Oakland, California														
AT		PROVIDE:	Special Instru	ctions:	· · · ·					Matri	x					Ana	lyze	For:		······		
🗌 24 hour	72 hour	EDF Report		•	•				,	Ι												1
🗌 48 hour	🔲 96 hour											5	18	0								
	APC0235											8015	8021B	8020								
	Sample ID / Descrip	1	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Water	Soil	Vapor	TPHg	втех	MTBE	1							
01	W-INF		3/3/06	1430		x	HCI	5voa	x			х	х	x								
102	W-INT 1			1400		х	НСІ	5voa	x			х	х	х								
03	W-INT 2			13:30		x	HCI	5voa	x			х	х	x								
04	W-PSP-1	<u></u>		13.0		X	HCI	5voa	x			х	х	x								
•																	i					
	<u>-</u>	<u> </u>																				
	,	···· ·																				
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Relinquished	by: J Herm	in Date 3	604	Time (0	00	Received b	" alo	runzo	, ;		Time Clo	16	ЧÇ						Receipt	t: 2	ک ۲۶۰۶	<u>ک</u>
Relinquished	by: CLON.	1 Date	3-6-06	Time 2	_		y TestAmeric	elfte	Ċ	3-0	S C Time	•	24						ntact? pace?			
· · · · · · · · · · · · · · · · · · ·	Junt	3-6-	-06 -17.	20		phuf	ay.	3/6/0	) <b>L</b> r	17	20			ķ					•			

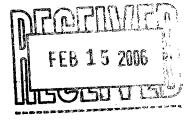
CLIENT NAME:	ERI/EXXON			DATE REC'D AT LA	3: 3/6/04	,	_		For Regula	tory Purposes?			
REC. BY (PRINT)	PH	TIME REC'D AT LAB: 1720						DRINKING WATER YES (N					
WORKORDER:	MPC0235		<u>-</u>	DATE LOGGED IN:	3/6/0	6			WASTE W/	ATER YES			
CIRCLE THE APPRO	PRIATE RESPONSE	LAB SAMPLE#	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERV ATIVE	рН	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (E			
1. Custody Seal(s)	Present Absent												
	Intact / Broken*												
2. Chain-of-Custody.	Present / Absent*												
3. Traffic Reports or													
Packing List:	Present Absent												
. Airbill:	Airbill / Sticker						-						
- <u> </u>	Present Absent	·			· · · · · · · · · · · · · · · · · · ·								
. Airbill #:							<u> </u>						
5. Sample Labels:	Present / Absent					<u>_u</u>				<u> </u>			
. Sample IDs:	Listed / Not Listed					10/							
	on Chain-of-Custody	<u> </u>				<u>e</u>							
. Sample Condition:	(Intac) / Broken* /												
	Leaking*			•									
. Does information on					All Contractions								
traffic reports and sa		· · · ·			X	· · · · · · · · · · · · · · · · · · ·							
agree?	(Ýes)/No*	<b>.</b>			1								
. Sample received within									·····				
hold time? . Adequate sample volui	. (Yea) / No*			/	<u></u>		· · · · ·			<u></u> :			
received?	Yes / No*			/									
. Proper preservatives u													
. Trip Blank / Temp Blan						f							
(circle which, if yes)	Yes /(No*)			/	<u> </u>								
. Read Temp:	2.8°C		$\neg \uparrow$		<u> </u>								
Corrected Temp:	2.8°C								·····				
Is corrected temp 4 +/-				·····									
cceptance range for samples re		-/-											
Exception (if any): META		/								· <u> </u>			
or Problem COC													

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15 February, 2006

Paula Sime Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma, CA 94954



RE: Exxon 7-0238 Work Order: MPB0216

Enclosed are the results of analyses for samples received by the laboratory on 01/30/06 18:10. The samples arrived at a temperature of ° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

There aller

Theresa Allen For Leticia Reyes Project Manager

CA ELAP Certificate #1210

Page 1 of 7



Project: Exxon 7-0238 oject Number: 7-0238 oject Manager: Paula Sime	MPB0216 Reported: 02/15/06 15:08
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#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Laboratory ID Matrix			
A-INF	MPB0216-01	Air	01/27/06 16:15	01/30/06 18:10	
A-EFF	MPB0216-02	Air	01/27/06 16:00	01/30/06 18:10	

Sequoia Analytical - Morgan Hill



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Environmental Resolutions 601 North McDowell Blvd Petaluma CA, 94954		Project Nur Project Mar Project Mar	mber: 7-0				MPB0216 Reported: 02/15/06 15:08		
	_	BTEX in							
	Tes	tAmerica	Analyt	ical - Na	ashville				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-INF (MPB0216-01) Air	Sampled: 01/27/06 16:15	Received: 01	/30/06 18	:10					
Methyl tert-Butyl Ether	ND	0.500	mg/m3	1	6020583	02/03/06	02/03/06	EPA 18M	
Benzene	ND	0.500	u		"	и	п	n	
Toluene	ND	0.500	"	*	11	"	11	11	
Ethylbenzene	ND	0.500	п	н	ħ	н		11	
Xylenes, total	ND	1.50	11	"	Ħ	"	U	n	
C4 - C10 Hydrocarbons	ND	5.00	**	Ħ	11	"	"	"	
A-EFF (MPB0216-02) Air	Sampled: 01/27/06 16:00	Received: 01	1/30/06 18	3:10					
Methyl tert-Butyl Ether	ND	0.500	mg/m3	1	6020583	02/03/06	02/03/06	EPA 18M	
Benzene	ND	0.500	"	11	п	11	"	11	
Toluene	ND	0.500	11	U	**	11		17	
Ethylbenzene	ND	0.500	"	Ħ	n	"	"	u	
Xylenes, total	ND	1.50	11	11	"	н	**	"	
C4 - C10 Hydrocarbons	ND	5.00	ir.	и	n	н	U.	"	

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954			MPB0216 <b>Reported:</b> 02/15/06 15:08							
		n Air by ( tAmerica		-	·					
Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6020583 - EPA 18										
Blank (6020583-BLK1)				Prepared	& Analyz	ed: 02/03/	06			
Methyl tert-Butyl Ether	ND	0.25	mg/m3							
Benzene	ND	0.270	"							
Toluene	ND	0.25	n							
Ethylbenzene	ND	0.25	"							
Xylenes, total	ND	0.75	14							
C1 - C4 Hydrocarbons	ND	2.5	17							
C4 - C10 Hydrocarbons	ND	2.5	u							

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)       Project:       Exxon 7-0238         601 North McDowell Blvd.       Project Number:       7-0238         Petaluma CA, 94954       Project Manager:       Paula Sime         BTEX in Air by GC/FID - Quality Control									MPB0216 Reported: 02/15/06 15:08				
	Test	tAmerica A	Analyt	ical - Na	ashville								
Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes			
Batch 6020583 - EPA 18													
LCS (6020583-BS1)				Prepared	& Analyze	ed: 02/03/	06						
Methyl tert-Butyl Ether	18.2		mg/m3	17.8		102	70-130						
Benzene	15.7		н	16.2		97	70-130						
Toluene	18.5		n	19.0		97	70-130						
Ethylbenzene	20.7		"	22.0		94	70-130						
Xylenes, total	60.8		н	66.0		92	70-130						
C1 - C4 Hydrocarbons	36.4		n	46.0		79	70-130						
C4 - C10 Hydrocarbons	202		11	259		78	70-130						

Sequoia Analytical - Morgan Hill



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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954		Pr Project Nu Project Mar	mber: 7-(						MPB02 Reporte 02/15/06	:d:
		1 Air by ( America		-	•					
Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6020583 - EPA 18								····		
Duplicate (6020583-DUP1)	Sou	rce: NPA31	25-01	Prepared	& Analyz	ed: 02/03/	06			
Methyl tert-Butyl Ether	4.18	0.500	mg/m3		3.23			26	29	
Benzene	3.01	0.500	τι		2.50			19	16	R2
Toluene	1.17	0.500	n		ND				29	
Ethylbenzene	ND	0.500	n		ND				29	
Xylenes, total	2.86	1.50	Ħ		ND				40	
C1 - C4 Hydrocarbons	ND	5.00	н		ND				40	
C4 - C10 Hydrocarbons	53.1	5.00	n		43.8			19	26	

Sequoia Analytical - Morgan Hill



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Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPB0216
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	02/15/06 15:08
		······································

#### **Notes and Definitions**

- R2 The RPD exceeded the acceptance limit.
- 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

Sequoia Analytical - Morgan Hill

CHAIN OF CUSTODY RECORD

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Test/America	Co	nsultant Name			ions, inc.	<u> </u>	· *				neer J			ROUE	R.		<del></del>		
INCOMPORATE	•		601 North M					1616		-	nber <u>5</u>		5190	······································					<u></u>
(615) 726-0177	121	City/State/Zip		a 94954					F		nt # <u>1</u>						<u></u>		
		roject Manager			· · · ·						0 # <u>4</u>		267				<u> </u>	<u> </u>	
2960 Foster Creit 02/10/06		phone Number			<del></del>					-	10 # <u>7</u>	0238							
Nashville, TN 37204		RI Job Number:					•			Global									
ExonMobil		er Name: (Print	e Channel	er M	an		-				ress 2				<u>.</u>				
	Sam	pler Signature	54	en	~~~~	<u> </u>	-		City	, State	3 Zip ()	akland,	Calito	ornia					
TAT	PROVIDE:	Special Instru	ictions:						Matrix	<u> </u>				An	alyze	For:	~~~~~		<del></del>
24 hour 72 hour *	EDF Report	* include MTE	E																
🗌 48 hour 🔲 96 hour	•																		
☑ 8 day		MPBOZ	400214							2	<u>•</u>							1	
	1			·				ģ	Solt	ğ									
Sample ID / Descrip	tion	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Water	Ň	Vapor	1	<u>b</u>	<u> </u>	<u> </u>					
0 A-INF		1 27/05	1605		x	NONE	1- <b>1</b> L			х		<u> </u>	N	PB	00	21	-01		
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Relinquished by: LLD NM	Za Date /-	30.06			Received by	y TestAmerica				Time/			-voa	s Free	e of H	eads	ace?	<b></b>	
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13 March, 2006

Paula Sime Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma, CA 94954

RE: Exxon 7-0238 Work Order: MPB1134

Enclosed are the results of analyses for samples received by the laboratory on 02/28/06 10:10. The samples arrived at a temperature of 22° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Chon the FREEL

Christina Dell For Leticia Reyes Project Manager

CA ELAP Certificate #1210

Page 1 of 9



601 North McDowell Blvd. Petaluma CA, 94954	Project Number: Project Manager: ANALYTICAL REPOR	Paula Sime	<b>Reported:</b> 03/13/06 15:33
Environmental Resolutions (Exxon)	•	Exxon 7-0238	MPB1134

Sample ID	Laboratory ID	Date Sampled	Date Received	
A-INF	MPB1134-01	Air	02/24/06 12:00	02/28/06 10:10
A-EFF	MPB1134-02	Air	02/24/06 11:30	02/28/06 10:10

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)Project:Exxon 7-0238601 North McDowell Blvd.Project Number:7-0238Petaluma CA, 94954Project Manager:Paula Sime	MPB1134 Reported: 03/13/06 15:33
--	--

#### A-INF (MPB1134-01) Air Sampled: 02/24/06 12:00 Received: 02/28/06 10:10

# BTEX in Air by GC/FID TestAmerica Analytical - Nashville

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Methyl tert-Butyl Ether	ND	0.500	mg/m3	1	6032375	03/11/06	03/11/06	EPA 18M	
Benzene	ND	0.500	n	н	и	U	"		
Toluene	ND	0.500	11	u	11	"	"		
Ethylbenzene	ND	0.500	я	H		ü		17	
Xylenes, total	ND	1.50	11	11	n	u	и		
>C4 - C10 Hydrocarbons	ND	5.00	11	u	u	"			

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPB1134
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	03/13/06 15:33

#### A-EFF (MPB1134-02) Air Sampled: 02/24/06 11:30 Received: 02/28/06 10:10

# BTEX in Air by GC/FID

#### **TestAmerica Analytical - Nashville**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Methyl tert-Butyl Ether	ND	0.500	mg/m3	1	6032375	03/11/06	03/11/06	EPA 18M	
Benzene	ND	0.500	11	н	"	и	**	11	
Toluene	ND	0.500	11	n		**	и	и	
Ethylbenzene	ND	0.500	11	н	u	n	**	11	
Xylenes, total	ND	1.50	и	11	н	"	и	**	
>C4 - C10 Hydrocarbons	ND	5.00	17	u	U	"	"	I	



	Environmental Resolutions (Exxon)	Project:	Exxon 7-0238	MPB1134
	601 North McDowell Blvd.	Project Number:	7-0238	Reported:
•	Petaluma CA, 94954	Project Manager:	Paula Sime	03/13/06 15:33

# **BTEX in Air by GC/FID - Quality Control**

TestAmerica Analytical - Nashville										
Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6032375 - EPA 18										
Blank (6032375-BLK1)	Prepared & Analyzed: 03/11/06									
Methyl tert-Butyl Ether	ND	0.25	mg/m3							
Benzene	ND	0.270								
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	n							
Xylenes, total	17.8	0.75	"							
>C4 - C10 Hydrocarbons	156	2.5	"							

Sequoia Analytical - Morgan Hill



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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954			mber: 7-02			_			MPB11 <b>Report</b> 03/13/06	ed:
		n Air by ( tAmerica		-	v					
Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6032375 - EPA 18										
LCS (6032375-BS1)				Prepared	& Analyz	ed: 03/11/	06			
Methyl tert-Butyl Ether	19.9		mg/m3	17.8		112	70-130			
Benzene	17.5		"	16.2		108	70-130			
Toluene	21.0		"	19.0		111	70-130			
Ethylbenzene	24.8		n	22.0		113	70-130			
Xylenes, total	89.3		Ħ	66.0		135	70-130			L1, E
>C4 - C10 Hydrocarbons	314		U	259		121	70-130			E

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exx(		MPB1134
601 North McDowell Blvd.	Project Number: 7-02		Reported:
Petaluma CA, 94954	Project Manager: Paul	a Sime	03/13/06 15:33

# BTEX in Air by GC/FID - Quality Control

TestAmerica Analytical - Nashville

		Evaluation		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6032375 - EPA 18										
Duplicate (6032375-DUP1)	Sour	ce: NPC00	86-01	Prepared:	03/11/06	Analyzed	: 03/12/06			
Methyl tert-Butyl Ether	3.10	0.500	mg/m3		3.27			5	29	
Benzene	6.16	0.500	п		6.16			0	16	
Toluene	28.6	0.500	"		28.6			0	29	
Ethylbenzene	18.5	0.500	п		18.4			0.5	29	
Xylenes, total	114	1.50	н		114			0	40	
>C4 - C10 Hydrocarbons	683	5.00	п		746			9	26	

Sequoia Analytical - Morgan Hill



Xylenes, total

>C4 - C10 Hydrocarbons

B, M7

M7, B

Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954		Project: Ex Project Number: 7-6 Project Manager: Pa	0238	}				MPB11 Reporte 03/13/06	d:
	BTEX in Test								
Analyte	Result	Evaluation Limit Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6032375 - EPA 18									
Matrix Spike (6032375-MS1)	Sou	rce: NPC1111-02	Prepared:	03/11/06	Analyzed	1: 03/12/06			
Methyl tert-Butyl Ether	15.0	mg/m3	17.8	ND	84	70-130			
Benzene	15.9	"	16.2	ND	98	70-130			
Toluene	28.0	II.	19.0	ND	147	70-130			M7
Ethylbenzene	25.5	11	22.0	ND	116	70-130			

\*\*

66.0

259

4.72

1.90

131

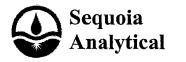
159

70-130

70-130

91.5

414



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601 Nor	mental Resolutions (Exxon) th McDowell Blvd. a CA, 94954	Project: Project Number: Project Manager:	MPB1134 <b>Reported:</b> 03/13/06 15:33	
		Notes and De		
M7	The MS and/or MSD were above the	acceptance limits. See Bl	ank Spike (LCS).	
Ll	Laboratory Control Sample and/or L	aboratory Control Sample	Duplicate recovery was above accept	ance limits.
в	Analyte was detected in the associate	ed Method Blank.		
DET	Analyte DETECTED			
ND	Analyte NOT DETECTED at or above the	he reporting limit		
NR	Not Reported			
dry	Sample results reported on a dry weight	basis		
RPD	Relative Percent Difference			

#### CHAIN OF CUSTODY RECORD

Page \_\_\_\_ of \_\_\_\_

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Test/America	Co	onsultant Name		E	Exxor	nMob	il Eng	ineer	Jen	nifer S	edlad	chek							
IN CORPORATED	IN CORPORATED				Address: 601 North McDowell				Telephone Number 510-547-8196										
(615) 726-0177	City/State/Zip				·····	Account #: <u>10228</u>													
Nashville Division	P	roject Manage	r Paula Sime				PO #: 4505891267												
2960 Foster Creighton		Telephone Number: 707-766-2000					_	Facility ID # 7-0238											
Nashville, TN 37204		ERI Job Number: 2293-11X								Globa	i ID#								
ExonMobil		er Name: (Print)		n h-l	ern	<u>n</u> un	-		Sit	e Add	iress .	2200	East 1	2th					
	Sam	Sampler Signature:						City, State Zip Oakland, California											
FAT F	PROVIDE:	Special Instru	ictions:					<u> </u>	Matrix	ĸ					Analyz	a For:			
24 hour 72 hour	EDF Report	* include MTE	BE												Ţ		T	<b>[</b> ]]	
🗌 48 hour 🗌 96 hour					-		i												
⊻8 day			<b>.</b>	m	18/13	34						<b>*</b> ₽							
Sample ID / Descriptio	n	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Water	Soil	Vapor		EPA							
A-INF	-01	2/24	1200		x	NONE	1-1L			х		x						$\square$	
A-EFF	-02		1130		x	NONE	1-1L			x		x				1			
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	······································																		
				···· ••••															
ellinguished by: ) Der Ma	L Date Z	27/04	Time [ [ 6	)- <i>U</i>	Received by	"Alo/	unz	s g	-28	Timə -DÇ	16.	0	<b>aborat</b> . Te	-	omme ature U		eceipt:	2	.2°
elinquished by:	Date		Time		Received by	TestAmerica:			-	Time		Ì			Contai: ee of H			yes	$\mathcal{I}$

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# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

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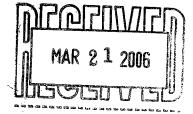
CLIENT NAME: EXT REC. BY (PRINT) ACL WORKORDER: MPB/134 CIRCLE THE APPROPRIATE RESPONSE		Dash	DATE Received at Lab: TIME Received at Lab: LOG IN DATE:	2/28/06 10/0 2/28/06 CONTAINER		- - - SAMPLE	(Drinking w regulatory p (Wastewater regulatory p DATE	urposes: ¥ES/NO ) for
CINCLE THE ATTROTRIATE RESPONSE	SAMPLE #	pasa #	CLIENT ID	DESCRIPTION	pII		SAMPLED	CONDITION (ETC.)
			17-DUE	Jalla Bog		an.	2/24/240	بر این میشود. این بر بر این این این این میشود میشود کرد و هوا را روی های این این این این این این این این این ا
1. Custody Seal(s) Present / Absent	•		A-EFF	70		1	Ĺ	
Intact / Broken*			,					<u>フ</u>
2. Chain-of-Custody (Present) Absent*								
3. Airbill: Airbill / Sticker				•				
Present / Absent		[		••				
4. Airbill #:						<u> </u>		
5. Sample Labels: Present Absent				· · · · ·				
6. Sample IDs: Listed Not Listed						/		
					-			
7. Sample Condition: Intact DBroken* /.				·····				
Leaking*		<u>.</u>						
8. Does information on custody reports,			· · · · · · · · · · · · · · · · · · ·	-C / /				
traffic reports, and sample		<u>_</u>						
labels agree? Yes! No*				0/				
9. Sample received within								
hold time: Yes / No*		·						······································
10. Proper Preservatives				/		· · ·		
used: (res) No*			A					<u>, , , , , , , , , , , , , , , , , , , </u>
11. Temperature Blank Received'?     Yes (NO <sup>‡</sup> )       12. Temp Rec. at Lab:     22 degrees C								an a
	· · · · ·		/					
(Acceptance range for samples	· · ·		·	·····			·	
requiring thermal pres.:4+/-2°C) (Yes/1 No*			·····	·				
13. Samples collected more			/				· · · · ·	
than 4 days ago? (Yes *) No		<u></u>						
1 The State Contraction of the State Sta	SPERIMENT CONTRACTOR						and the second	
Sample Receipt Log	*If Circl	ed, c	ontact Project Manage	r and attach reco	ird b	f resolutio	)II.	
Revision 2.2 (8/30/04)		-					 	
vplaces Revision 2.1 (11/10/00) stive 9/1/04		:	FIGURE 6b				J-ag	e of



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20 March, 2006

Paula Sime Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma, CA 94954



RE: Exxon 7-0238 Work Order: MPC0230

Enclosed are the results of analyses for samples received by the laboratory on 03/06/06 10:45. The samples arrived at a temperature of 22° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina Dell For Leticia Reyes Project Manager

CA ELAP Certificate #1210

Page 1 of 9



Environmental Resolutions (Exxon)	Project: Exxon 7	 MPC0230
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula S	03/20/06 07:57

### ANALYTICAL REPORT FOR SAMPLES

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Sample ID	Laboratory ID Matrix		Date Sampled	Date Received
A-INF	MPC0230-01	Air	03/03/06 15:30	03/06/06 10:45
A-EFF	MPC0230-02	Air	03/03/06 15:00	03/06/06 10:45

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0230
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Petaluma CA, 94954	Project Manager: Paula Sime	03/20/06 07:57

### A-INF (MPC0230-01) Air Sampled: 03/03/06 15:30 Received: 03/06/06 10:45

### BTEX in Air by GC/FID TestAmerica Analytical - Nashville

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Methyl tert-Butyl Ether	3.47	0.500	mg/m3	1	6033259	03/16/06	03/16/06	EPA 18M	
Benzene	ND	0.500	"	n	n	n	"	"	
Toluene	ND	0.500	н	17	0	н	11	"	
Ethylbenzene	ND	0.500	"	11	11			u	
Xylenes, total	ND	1.50	11	11	n	11		"	
>C4 - C10 Hydrocarbons	ND	5.00	11	п	"	u		n	

Sequoia Analytical - Morgan Hill



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Environmental Resolutions (Exxon)Project:Exxon 7-0238601 North McDowell Blvd.Project Number:7-0238Petaluma CA, 94954Project Manager:Paula Sime	MPC0230 Reported: 03/20/06 07:57
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A-EFF (MPC0230-02) Air Sampled: 03/03/06 15:00 Received: 03/06/06 10:45

# BTEX in Air by GC/FID

## TestAmerica Analytical - Nashville

Analyte		Reporting			······				
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Methyl tert-Butyl Ether	ND	0.500	mg/m3		(022250	00/1 6/0 6			
Benzene	ND		mg/m5	1	6033259	03/16/06	03/16/06	EPA 18M	
Toluene		0.500			n	u.	"	и	
	ND	0.500	11	ti	**	"	u	н	
Ethylbenzene	ND	0.500	11	н	u	п	"	u	
Xylenes, total	ND	1.50	n	11	"	11			
>C4 - C10 Hydrocarbons	ND	5.00	"	.,	н			11	
	TILD .	5.00				н	11	н	

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954			mber: 7-0		3				MPC02 Report 03/20/06	ed:
		n Air by tAmerica			-					
Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6033259 - EPA 18										
Blank (6033259-BLK1)				Prepared	& Analyze	ed: 03/16/				· · · · ·
Methyl tert-Butyl Ether	ND	0.25	mg/m3						· · · · ·	
Benzene	ND	0.270	**							
Toluene	ND	0.25	u							
Ethylbenzene	ND	0.25	0							
Xylenes, total	ND	0.75								
-C4 - C10 Hydrocarbons	25.2	2.5	"							

Sequoia Analytical - Morgan Hill



Petaluma CA, 94954	Project Manager: Paula Sime	03/20/06 07:57
601 North McDowell Blvd.	Project Number: 7-0238	Reported:
Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0230

### BTEX in Air by GC/FID - Quality Control TestAmerica Analytical - Nashville

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6033259 - EPA 18										
LCS (6033259-BS1)				Prepared:	03/16/06	Analyzed	: 03/17/06			
Methyl tert-Butyl Ether	16.4	1	mg/m3	17.8		92	70-130	·,		
Benzene	15.0		H	16.2		93	70-130			
Toluene	17.4		Ħ	19.0		92	70-130			
Ethylbenzene	21.0		н	22.0		95	70-130			
Xylenes, total	66.4		11	66.0		101	70-130			
>C4 - C10 Hydrocarbons	186		н	259		72	70-130			

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954	Project: Exxon 7-0238 Project Number: 7-0238 Project Manager: Paula Sime								MPC0230 Reported: 03/20/06 07:57		
	BTEX in Test	n Air by ( America			-				·		
Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch 6033259 - EPA 18						_					
Duplicate (6033259-DUP1)	Sou	rce: NPC07	60-03	Prepared & Analyzed: 03/16/06							
Methyl tert-Butyl Ether	ND	0.500	mg/m3		ND		· · · · ·	29			
Benzene	ND	0.500	"		ND				16		
Toluene	ND	0.500	"		ND				29		
Bthylbenzene	ND	0.500	**		ND				29		
Yylenes, total	ND	1.50	"	ND			40				
C4 - C10 Hydrocarbons	ND	5.00	n		ND				26		

Sequoia Analytical - Morgan Hill



Environmental Resolutions (Exxon)	Project: Exxon 7-0238	MPC0230
601 North McDowell Blvd.	Project Number: 7-0238	<b>Reported:</b>
Petaluma CA, 94954	Project Manager: Paula Sime	03/20/06 07:57
]	BTEX in Air by GC/FID - Quality Control	

### BTEX in Air by GC/FID - Quality Control TestAmerica Analytical - Nashville

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6033259 - EPA 18										
Matrix Spike (6033259-MS1)	Sou	ce: NPC07	/60-03	Prepared	& Analyze	ed: 03/16/	06			
Methyl tert-Butyl Ether	35.9	1.00	mg/m3	35.6	ND	101	70-130		<u> </u>	
Benzene	32.7	1.00	n	32.4	ND	101	70-130			
Toluene	39.2	1.00	11	38.0	ND	103	70-130			
Ethylbenzene	47.2	1.00	ņ	44.0	ND	107	70-130			
Xylenes, total	146	3.00	tt	132	ND	111	70-130			
>C4 - C10 Hydrocarbons	437	10.0	"	518	ND	84	70-130			



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Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma CA, 94954		Project: Exxon 7-0238 Project Number: 7-0238 Project Manager: Paula Sime	MPC0230 Reported: 03/20/06 07:57		
		Notes and Definitions			
В	Analyte was detected in the associa	ted Method Blank.			
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

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Page \_\_\_\_ of \_\_\_\_

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Test/America	Co	insultant Name			itions, Inc.			Exxo	nMob	il En	ginee	r Jen	nlfer S	edlact	10k				
INCORPORATE	Address: 601 North McDowell					Telephone Number 510-547-8196													
(615) 726-0177	City/State/Zip	: Petatuma,	CA 94954				Account #: 10228												
Nashville Division	P	roject Manage	r Paula Sime	9				PO #: 4505891267											
2960 Foster Creighton	Tele	phone Number: 707-766-2000					_	Facility ID # 7-0238											
Nashville, TN 37204	ERI Job Number: 2293-11X							Global ID#											
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Revision 2.2 (6/30/04) Replaces Revision 2.1 (1	(/10/00)								Page	ol	
Fileclive 9/1/04	17 (0700)			FIGURE 6b					. 490		

## ATTACHMENT C

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



Rev. 4/29/97

#### POUNDS OF HYDROCARBON IN A 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<sup>3</sup>) 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 is 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				
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<sub>2</sub>O. T<sub>abs</sub> = 460 + T deg F

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

(460+70)(407-13) 28.3 1050 1 21 x 60 x 95 х х -· X ----¥ ----- = 7.4 lb (460+80)407 1000 1000 454 hr M<sup>3</sup> min cu ft lb g lb х X ----

 $21 \times 60 \times 95 \times 0.98 \times 0.97 \times 0.0283 \times 1.050 \times 1/454 = 7.4$  lb. cumulative lbs. (the running total) = the sum of all the previous periods.

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