ExxonMobil 1 Refining & Supply Company

Global Remediation

4096 Piedmont Avenue #194 Oakland, California 94611 510.547.8196 510.547.8706 Fax jennifer.c.sedlachek@exxonmobil.com Jennifer C. Sedlachek Project Manager

RECEIVED

By dehloptoxic at 8:45 am, Nov 22, 2006

**EXONMobil**Refining & Supply

November 13, 2006

Mr. Steven Plunkett Alameda County Health Care Services Agency Department of Environmental Health 1131 Harbor Bay Parkway, Room 250 Alameda, California 94502-6577

Former Exxon RAS #7-0238/2200 East 12th Street, Oakland California.

Dear Mr. Plunkett:

Attached for your review and comment is a copy of the letter report entitled Groundwater Monitoring and Remediation Status Report, Third Quarter 2006, dated November 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,

Jennifer C. Sedlachek Project Manager

ERI's Groundwater Monitoring and Remediation Status Report, Third Quarter 2006, Attachment:

dated November 13, 2006

w/ attachment cc:

> Mr. Chuck Headlee, California Regional Water Quality Control Board, San Francisco Bay Region Mr. Robert C. Ehlers, M.S., P.E., The Valero Companies, Environmental Liability Management

w/o attachment

Ms. Paula Sime, Environmental Resolutions, Inc.

November 13, 2006 ERI 229313.Q063

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

SUBJECT Groundwater Monitoring and Remediation Status Report, Third 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 third quarter 2006 groundwater monitoring and sampling activities at the subject site. This report covers select activities from June 26, 2006, through October 6, 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 dates: 09/25/06

Wells gauged and sampled: MW9A through MW9D, MWF through MW9I

Presence of NAPL: Not observed

Remediation system status on sampling date: Active

Laboratory: TestAmerica Analytical Testing Corporation

Nashville, Tennessee

Analyses performed: EPA Method 8015B TPHg

EPA Method 8021B BTEX

EPA Method 8260B MTBE, ETBE, DIPE, TAME, 1,2-DCA, EDB, TBA,

ethanol (select samples)

Waste disposal: 90 gallons of purge and decon water transferred

to remediation system on 09/25/06.

#### 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 and water samples from influent, intermediate, and effluent sample ports. On March 9, 2006, the system was shut down pending renewal of the groundwater discharge permit. The system was restarted on July 11, 2006, for permit compliance sampling and has operated continually since July 18, 2006.

System start-up dates: <u>DPE System, Vapor-Phase</u> March 2004

DPE System, Liquid-Phase January 2004

System discharge permits: <u>DPE System, Vapor-Phase</u> BAAQMD

Permit No.15044

DPE System, Liquid-Phase EBMUD

Wastewater Permit No. 5051679-1

**System reporting period:** 06/26/06 – 10/06/06

System modifications during reporting period: None

System status during reporting period: Active

Laboratory: TestAmerica Analytical Testing Corporation

Nashville, Tennessee Morgan Hill, California

Analyses Performed: DPE System, Vapor Phase EPA Method 18M TPHg, BTEX, MTBE

DPE System, Liquid-Phase EPA Method 8015B TPHq

EPA Method 8021B BTEX, MTBE

EPA Method 8260B MTBE

#### System Performance:

DPE System, Vapor-Phase

Period	Mass of TPHg Removed (Pounds)	Mass of Benzene Removed (Pounds)	Mass of MTBE Removed (Pounds)
06/26/06 - 10/06/06	<31.35	<0.33	<0.48
To Date:	<1,202.32	<10.66	<48.56

#### 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)
06/26/06 - 10/06/06	57,500	<0.049	<0.00056	0.0232
To Date:	471,570	<1.748	<0.0141	1.0837

#### DOCUMENT DISTRIBUTION

ERI recommends forwarding copies of this report to:

Mr. Steven Plunkett
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. Robert C. Ehlers, M.S., P.E. The Valero Companies Environmental Liability Management 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,

P.G.

Heidi Dieffenbach-Carle

6793

Attachments: Table 1A: Cumulative Groundwater Monitoring and Sampling Data

Table 1B: 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 A: Groundwater Sampling Protocol

Attachment B: Laboratory Analytical Reports and Chain-of-Custody Record Attachment C: ERI SOP-25: "Hydrocarbons Removed from a Vadose Well"

Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 1 of 9)

Well	Sampling	TOC	DTW	GW Elev.	SUBJ	TPHg	MTBE 8021B	MTBE 8200B	В	T	E	X
ID	Dale	(feet)	(feet)	(feet)		(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	_	_		_		_	
MWBA	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	NŁPH	<250	18,000		<2.5	<2.5	<2.5	<2.5
MW9A	12/22/98	14.53	6.47	8.00	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	05/27/99 a	14.53	6.56	7.97	NLPH	<5,000	15,300		<50	<50	<50	<50
MWBA	08/03/99	14.53	9.39	5.14	NLPH	<50	<2.5		<0.5	<0.5	<0.5	<0.5
MWBA	12/03/99	14.53	6.52	8.01	NLPH	<50	1,400		<0.5	<0.5	<0.5	0.67 b
MWBA	02/29/00	14.53	5.31	9.22	NLPH	<50	20,000		1.2	<0.5	<0.5	<0.5
MWBA	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	<u>-</u>	<0.5	<0.5	<0.5	<0.5
MW9A	10/09/00	14.53	8.00	8.53	NLPH	<50	2,300	_	<0.5	<0.5	<0.5	<0.5
MWBA	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
MWBA	08/17/01 c	14.53	6.81	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		n compliance with			•					
MW9A	01/11/02	14.51	5.93	8.58	NLPH	2,090e	31,000e		18.6e	<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	<b>—</b>	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
MWBA	03/14/05	14.51	6.03	8,48	NLPH	2,150		2,560	0.80	<0.5	<0.5	<0.5
MW9A	08/08/05	14.51	14.33	0.18	NLPH	1,610	<b></b>	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	18.50	-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		_		_	_		-
MW9A	03/07/08	14.51	16.01	-1.50	NLPH	400	_	560	<2.5	<2.5	<2.5	<2.5
MW9A	06/26/08	14.51	6.10	8.41	NLPH	390	_	430	<2.5	<2.5	<2.5	<2.5
MW9A	09/25/06	14.51	6.54	7.97	NLPH	150	_	172	<0.50	<0.50	<0.50	<0.50
WAAR	U31251U0	14.51	0.34	1.51	(4FL))	130	<del></del>		-0.00	-0107		= - = =

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Weli	Sampling	TOC	DTW	GW Elev.	SUBJ	TPHg	MTBE 8021B	MTBE 8260B	В	τ	E	X
ID	Date	(feet)	(feet)	(feet)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)
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	08/22/98	9.80	8.18	3.64	NLPH	210	31	_	5.7	6.8	1.1	9.2
MW9B	02/24/97	9.80	5.58	4.22	NLPH	1,400	1,300	_	76	1.4	4.1	1.2
MW9B	03/16/98	12.83	5.32	7,51	NLPH	860	1,500		140	2.0	11	<2.0
MW9B	04/21/98	12.83	5.49	7.34	NLPH	1,600	18,000		300	<5.0	7.9	<5.0
MW9B	07/22/98	12.83	5.79	7.04	NLPH	<500	26,000	_	13	<5.0	<5.0	<5.0
MW9B	12/22/98	12.83	5.69	7.14	NLPH	700	21,000	_	110	3.1	9.1	14
MW9B	02/26/99	12,83	5.10	7.73	NLPH	8,800	8,000	-	2,000	<25	52	38
MW9B	05/18/99	12,83	5.65	7.18	NLPH	<10,000	42,100	<del></del>	158	<100	<100	<100
MW9B	08/03/99	12.83	6.24	6. <b>59</b>	NLPH	960	24,900		<5.0	<5.0	<5.0	<5.0
MW9B	12/03/99	12.83	5.68	7.17	NLPH	<50	1,000	-	<0.5	<0.5	<0.5	<0.5
MW9B	02/29/00	12,83	4.61	8.22	NLPH	3,100	25,000		900	7	23	7.1
MW9B	05/18/00	12.83	5.54	7.29	NLPH	780	34,000	26,000	150	<2.5	4.5	<2.5
MW9B	07/24/00	12.83	8.75	4.08	NLPH	<250	39,000		8	<2.5	<2.5	<2.5
MW9B	10/09/00	12.83	4.84	7.99	NLPH	<1,200	30,000		1.7	<0.5	<0.5	<0.5
WM9B	01/10/01	12.83	5.56	7.27	NLPH	<250	32,000	_	5.3	<0.5	<0.5	<0.5
MW9B	04/10/01	12.83	5.40	7.43	NLPH	360	27,000		69.0	<2.5	22.0	29,8
MW9B	07/12/01	12.83	_		NLPH	<250	41,000	_	<2.5	<2.5	<2.5	<2.5
MW9B	08/17/01 c	12.83	5.83	7.00		_		_	_		_	
MW9B	10/11/01	12.83	8.70	4.13	NLPH	<250	24,000	_	<2.5	<2.5	<2.5	<2.5
MW9B	Nov-01	12.84	Well surveyed it	n compliance with	AB2886 requi	Irements.						
MW9B	01/11/02	12.84	5.18	7.68	NLPH	9,170e	14,600a	_	66.0 e	<10.0	54.0	<10.0
MW9B	04/12/02	12.84	5.57	7.27	NLPH	29,600	28,600	_	12.0	<5.00	<5.00	<5.00
MWØB	07/12/02	12.84	5.81	7.03	NLPH	20,200	27,700	_	<10.0	14.0	<10.0	16.0
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
MW9B	01/10/03	12.84	5.09	7.75	NLPH	14,900	18,600		118	1.0	6.5	3.6
MW9B	04/09/03	12,84	5.51	7.33	NLPH	21,800	24,900	_	51.0	<5.0	<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	01/08/04	12,84	5.14	7.70	NLPH	10,400	_	15,700	16. <b>9</b>	1.8	18. <del>6</del>	1.7
MW9B	08/07/04	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	h	954h	_	925h	<0.50h	<0.5h	<0.5	<0.5h
MW9B	12/13/04	12.84	4.96	7.88	NLPH	233		140	0.90	<0.5	<0.5	<0.5
MW9B	03/14/05	12.84	5.52	7.32	NLPH	523		504	<0.50	<0.5	<0.5	<0.5
MW9B	06/08/05	12.84	6.70	6.14	NLPH	114		130	<0.50	<0.5	<0.5	<0.5
MW9B	09/01/05	12.84	5.92	6.92	NLPH	90.5	_	82.6	0.55	<0.50	<0.50	<0.50
MW98	12/09/05	12.84	8.48	4.38	NLPH	207	_	149	<0.50	<0.50	<0.50	<0.50
MW9B	12/30/05	12.84	4,59	8.25	NLPH	-	_		_	P+4		
MW9B	03/07/06	12.84	6.41	6.43	NLPH	98	-	84	<0.50	<0.50	<0.50	<0.50
MW9B	06/26/06	12.84	5.71	7.13	NLPH	130	_	39	0.63	<0.50	0.53	0.53
MW9B	09/25/06	12.84	6.35	6.49	NLPH	<50.0	_	7.40	<0.50	<0.50	<0.50	<0.50

Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 3 of 9)

Well	Sampling	TOC	DTW	GW Elev.	SUBJ	TPHg	MTBE 8021B	MTBE 82608	8	Ť	E	<u>x</u>
ID	Date	(feet)	(feet)	(feet)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)
MW8C	11/02/95	11.14				_	_			_	<b>–</b>	_
MW9C	04/26/96	11.14	_	_	_	_		_	***	_	_	_
MW9C	08/22/98	11.14		_	_			_			_	_
MW9C	02/24/97	11.14	_		_		_	_		_		
MW9C	03/16/98	11.14	5.51	5.83	NLPH	<500	150,000	_	24	<5.0	<5.0	<5.0
MW9C	04/21/98	11.14	5.83	5.31	NLPH	150	130,000	150,000	<0.5	<0.5	<0.5	<0.5
MW9C	07/22/98	14.19	8.43	7.76	NLPH	<500	95,000	_	<5.0	<5.0	<5.0	<5.0
MW9C	12/22/98	14.19	8.16	8.03	NLPH	<500	84,000		<5.0	<5.0	<5.0	<5.0
MW9C	02/28/99	14.19	5.46	8.73	NLPH	<250	55,000	-	<2.5	<2.5	<2.5	<2.5
MW9C	05/18/99	14.19	8.27	7.92	NLPH	<25,000	68,900	-	<250	<250	<250	<250
MW9C	08/03/99	14.19	7.13	7.06	NLPH	210	69,200	-	<1.0	1.3	<1.0	<1.0
MW9C	12/03/99	14.19	8.17	8.02	NLPH	290	50,000		<2.5	<2.5	<2.5	<2.5
MW9C	02/29/00	14.19	4.49	9.70	NLPH	<250	40,000	_	<2.5	<2.5	<2.5	<2.5
MW9C	05/18/00	14.19	5.96	8,23	NLPH	<250	46,000	33,000	<2.5	<2.5	<2,5	<2.5
MW9C	07/24/00	14.19	8.47	7.72	NLPH	<250	44,000	_	<2.5	<2.5	<2.5	<2.5
MW9C	10/09/00	14.19	8,57	7.62	NLPH	<250	38,000	_	<2,5	<2.5	<2.5	<2.5
MW9C	01/10/01	14,19	6.09	8.10	NLPH	<250	42,000	_	<2.5	<2.5	<2.5	<2.5
MW9C	04/10/01	14.19	7.88	6.31	NLPH	<250	35,000	_	<2.5	<2.5	<2.5	<2.5
MW9C	07/12/01	14.19	<del></del>	_	NLPH	<250	32,000		<2.5	<2.5	<2.5	<2.5
MW9C	Q8/17/Q1 c	14.19	6.60	7.59	_	_					_	
MW9C	10/11/01	14.19	6.67	7.52	NLPH	<250	53,000	_	<2.5	<2.5	<2.5	<2,5
MW9C	Nov-01	14.16	Well surveyed in	n compliance with	AB2886 requ							
MW9C	01/11/02	14.16	5.29	8.87	NLPH	2,470e	90,000e	_	0.90 e	<0.50	<0.50	<0.50
MW9C	04/12/02	14.16	6.14	8.02	NLPH	70,400	66,800	_	<5.00	<5.00	<5.00	<5,00
MW9C	07/12/02	14.18	6.54	7.62	NLPH	50,900	58,300	<b>–</b>	<500	<500	<500	<500
MW9C	10/11/02	14.1 <del>8</del>	6.73	7.43	NLPH	52,1 <b>00</b>	58,800	76,000	<10.0	<10.0	<10.0	<10.0
MW9C	01/10/03	14,18	5.21	8.95	NLPH	40,600	55,500	_	<0.5	<0.5	<0.5	<0.5
MW9C	04/09/03	14.18	6.08	8.08	NLPH	24,700	29,600	_	<5.00	<5.0	<5.0	<5.0
MWBC	07/22/03	14,18	6.47	7,69	NLPH	13,800	13,100		1.40	<0.5	<0.5	<0.5 <0.5
MW9C	10/01/03	14,16	6.62	7.54	NLPH	9,100	_	38,400	0.70	<0.5	<0.5	
MWBC	01/06/04	14,16	4,86	9.30	NLPH	4,160	_	5,020	0.70	<0.5	<0.5	<0.5 <0.5
MW9C	06/07/04	14.18	7.35	6.81	NLPH	4,480		3,420	<0.50	<0.5	<0.5	<0.5h
MW9C	08/30/04	14.16	h	h	h	1,950h		1,950h	<0.50h	<0.5h	<0.5h	
MW9C	12/13/04	14.16	5.03	9.13	NLPH	610	_	705	<0.50	<0.5	<0.5	<0.5
MWeC	03/14/05	14.16	5.63	8.53	NLPH	906	_	1,110	<0.50	<0.5	<0.5	<0.5
MWBC	06/08/05	14.18	12,75	1,41	NLPH	854	_	1,100	<0,50	<0.5	<0.5	<0.5 <0.50
MWBC	09/01/05	14,16	6.95	7.21	NLPH	361	_	409	<0.50	<0.50	<0.50	
MW9C	12/09/05	14.18	7.54	6.62	NLPH	217		171	<0.50	<0.50	<0.50	<0.50
MW9C	12/30/05	14.16	4.21	9.95	NLPH		_	_				<2.0
MW9C	03/07/06	14.18	12.48	1.68	NLPH	320	_	480	<2.0	<2.0	<2.0	<2.0 <2.0
MW9C	06/26/08	14.16	6.36	7.80	NLPH	350	_	300	<2.0	<2.0	<2.0 <0.50	<2.0 <0.50
MW9C	09/25/06	14.16	6.71	7.45	NLPH	136	_	234	<0.50	<0.50	~0.50	~0,00

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 80218	MTBE 8260B	В	Ť	E	x
ID.	Date	(feel)	(feet)	(feet)		(µg/L)	(μg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)
MW9D	11/02/95	12.90	(100.1)								-	_
WMaD	04/26/96	12.90	_	.—	_		***	_				_
MW9D	08/22/96	12,90		· <u> </u>		_		_			244	***
MW9D	02/24/97	12.90	_	_		_	_		_	_		_
MW9D	03/16/98	12.90	6.94	5.96	NLPH	<50	10		<0.5	<0.5	<0.5	<0.5
MW9D	04/21/98	12.90	7,22	5.68	NLPH	<50	12		<0.5	<0.5	<0.5	<0.5
MW9D	07/22/98	15.98	7.85	8.13	NLPH	<50	13		<0.5	<0.5	<0.5	<0.5
MW9D	12/22/98	15.98	7.58	8.40	NLPH	<50	12	_	<0.5	<0.5	<0.5	<0.5
MW9D	02/28/99	15.98	6.42	9.56	NLPH	<50	310		<0.5	<0.5	<0.5	<0.5
MW9D	05/18/99	15.98	6.55	9.43	NLPH	<2,500	13,500	_	<25	<25	<25	<25
	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	7.58	8.42	NLPH	<50	<2	_	<0.5	<0.5	<0.5	<0.5
MWBD			4.82	11.16	NLPH	<50	2.5	_	<0.5	<0.5	<0.5	<0.5
MW9D	02/29/00	15.98 15.98	7.40	8.58	NLPH	<50	6.2	_	<0.5	<0.5	<0.5	<0.5
MW9D	05/18/00		7.91	8.07	NLPH	<50	14	_	<0.5	<0.5	0.85	0.74
MWPD	07/24/00	15.98	8.02	7.96	NLPH	<50	14	-	<0.5	<0.5	<0.5	<0.5
MW9D	10/09/00	15.98	7.28	8.72	NLPH	<50	18		<0.5	<0.5	<0.5	<0.5
MW9D	01/10/01	15.98		8.66	NLPH	<50	14		<0.5	<0.5	<0.5	<0.5
MW9D	04/10/01	15.98	7.32		NLPH	<50	22	_	<0.5	<0.5	<0.5	<0.5
MW9D	07/12/01	15.98		 	- NLF11		_		_	_		_
MWBD	08/17/01 d	15.98			NLPH	 <50	24		<0.5	<0.5	<0.5	<0.5
MW9D	10/11/01	15.98	8.18	7.82			24		-0.0	-0.0		
MW9D	Nov-01	15.97		n compliance with	NLPH	352e	2.0e		<0.50	<0.50	<0.50	<0.50
MW9D	01/11/02	15.97	6.64	9.33		3526 191	192		<0.50	<0.50	<0.50	<0.50
MW9D	04/12/02	15.97	7.58	8.39	NLPH NLPH	108	124		<0.5	<0.5	<0.5	<0.5
MW9D	07/12/02	15.97	8.01	7.96			243		<0.5	<0.5	<0.5	<0.5
MW9D	10/11/02	15.97	8.13	7.84	NLPH	187 <b>3</b> 86	132	_	4.1	<0.5	<0.5	<0.5
MW9D	01/10/03	15.97	5,98	9.99	NLPH	468	292	_	3.80	<0.5	<0.5	<0.5
MW9D	04/09/03	15.97	7.53	8.44	NLPH NLPH	400 44B	339	-	0.70	<0.5	<0.5	<0.5
MW9D	07/22/03	15.97	7,87	8.10			_	362	<0,50	<0.5	<0.5	<0.5
MW9D	10/01/03	15.97	8.04	7,93	NLPH	402 72.2	_	80.9	<0.50	<0.5	<0.5	<0.5
MW9D	01/06/04	15.97	6.31	9.66	NLPH			353	<0.50	<0.5	<0.5	<0.5
MW9D	06/07/04	15.97	8.17	7.80	NLPH	237			-0.50	-		
MW9D	08/30/04 d	15.97				_		 353	<u> </u>	0.7	<0.5	0.9
MW9D	12/13/04	15.97	5.39	10.58	NLPH	379			<0.50	<0.5	<0.5	<0.5
MW9D	03/14/05	15.97	6.93	9.04	NLPH	<50.0		13.8		<0.5	<0.5	<0.5
MW9D	06/08/05	15.97	8.83	7.14	NLPH	<50.0	_	57.2 54.8	<0.50	<0.50	<0.50	<0.50
MW9D	09/01/05	15.97	7.99	7.98	NLPH	64.3		51.8	<0.50	<0.50 <0.50	<0.50	<0.50
MW9D	12/09/05	15.97	7.96	8.01	NLPH	56.3		33.0	<0.50			-0.50
MW9D	12/30/05 d	15.97	_	_			_	_	-0.50		<0.50	 <0.50
MW9D	03/07/06	15.97	6.19	9.78	NLPH	<50	_	9.3	<0.50	<0.50		<0.50 <0.50
MW9D	08/26/06	15.97	7.68	8.29	NLPH	<50	_	9.7	<0.50	<0.50	<0.50 <b>&lt;0.50</b>	<0.50 <0.50
MW9D	09/25/06	15.97	8.00	7.97	NLPH	<50.0	_	13.8	<0.50	<0.50	~v.əv	~-0,30

Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, Catifornia (Page 5 of 9)

Well	Sampling	TOC	DTW	GW Elev.	SUBJ	TPHg	MTBE 8021B	MTBE 8260B	В	T	E	X
ID	Dale	(feet)	(feel)	(feet)		(µg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)
MW9F	11/02/95	8.37		<del></del>			-		_	_	_	
MW8F	04/26/96	8.37		_	NLPH	<50	57	_	<0.5	<0.5	<0.5	<0.5
MW9F	08/22/96	8.37			NLPH	<50	5.8		<0.5	<0.5	<0.5	<0.5
MW9F	02/24/97	8.37		_	NLPH	<50	<30	_	<0.5	<0.5	<0.5	<0.5
MW9F	03/16/98	8.37		_	NLPH				_			<del></del> -
MW9F	04/21/98	8.37		_	_	_	_	_	_	_		<b>–</b> .
MW9F	07/22/98	11,38	_	_	_	_			_	_	_	_
MW9F	12/22/98	11.38	5.47	5.91	NLPH	<50	81	_	<0.5	<0.5	<0.5	<0.5
MW9F	02/26/99	11.38	5.35	6.03	NLPH	<50	<2.5	_	<0.5	<0.5	<0,5	<0.5
MW9F	05/18/99	11.38	5.62	5.76	NLPH	<50	61.6	<b></b>	<0.5	<0.5	<0.5	<0.5
MW9F	08/03/99	11.38	6.32	5.06	NLPH	<50	3.10	_	<0.5	<0.5	<0.5	<0.5
MW9F	12/03/99	11,38	5.59	5.79	NLPH	<50	<2	_	<0.5	<0.5	0.71	<0.5
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	280	_	<0.5	<0.5	<0.5	<0.5
MW9F	Nov-01	11.38	Well surveyed li	n compliance with	AB2886 requi	Irements.						
MW9F	01/11/02	11.38	5.12	6.26	NLPH	<100	67.0e	_	<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	N⊾PH	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	100	<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	8.17	NLPH	<50.0	-	36.7	<0.50	<0.5	<0,5	<0.5
MW9F	08/07/04	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	<del></del>	19.6	<0.50	<0.50	<0.50	<0.50
MW9F	12/09/05 j	11.38	_	_	_		<del></del>	_				
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		_		_		_				_
MW9F	06/28/06 j	11.38		_	_		_	_		***	_	_
MW9F	09/25/06	11.38	5.56	5.82	NLPH	<50.0		6.52	<0.50	<0.50	<0.50	<0.50

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Well	Sampling	TOC	wrg	GW Elev.	ŞUBJ	TPHg	MTBE 8021B	MTBE 8260B	В	Ť	E	X
ID	Date	(feet)	(feet)	(feet)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)
MW9G	11/02/95	9.95	5.92	4.03	ÑLPH	<50	<10		<0.5	<0.5	<0.5	<0.5
MW9G	04/28/96	9,95	5.28	4.67	NLPH	<50	18	_	<0.5	<0.5	<0.5	<0.5
MW9G	08/22/98	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
MWBG	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	F=4	<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
MW9G	10/09/00	12.99	5.26	7.73	NLPH	<50	180	-	<0.5	<0.5	<0.5	<0.5
MWBG	01/10/01	12.99	5.18	7.81	NLPH	<50	1,200	_	<0.5	<0.5	<0.5	<0.5
MW9G	04/10/01	12.99	5.08	7.91	NLPH	<50	9,100		<0.5	<0.5	<0.5	<0.5
MW9G	07/12/01	12.99	-	-	NLPH	<50	3,000		<0.5	<0.5	<0.5	<0.5
MW9G	08/17/01 d	12.99	_	<u>-</u>	<u> </u>	_			_	_	_	_
MW9G	10/11/01	12.99	5.48	7.51	NLPH	<50	1,800	_	<0.5	<0.5	<0.5	<0.5
MW9G	Nov-01	12.98		າ compliance with			.,555		3.0			
MW9G	01/11/02	12.98	4.97	8.01	NLPH	419e	945e		<0.50	<0.50	<0.50	<0.50
MW9G	04/12/02	12.98	5.12	7.88	NLPH	10,700	11,000	_	<0.50	<0.50	<0.50	<0.50
MW9G	07/12/02	12.98	5.31	7,67	NLPH	2,310	3,140	_	<0,5	<0.5	<0.5	<0.5
MW9G MW9G	10/11/02	12.98	5.39	7.59	NLPH	1,630	2,040	2,090	<0.5	<0.5	<0.5	<0.5
MW9G	01/10/03	12.98	4.90	8.08	NLPH	367	566		<0.5	<0.5	<0.5	<0.5
	04/09/03	12.98	5.15	7.83	NLPH	3,730	3,990		<0.50	<0.5	<0.5	<0.5
MW9G MW9G	07/22/03	12.98	5.30	7.68	NLPH	1,070	988	-	<0.50	<0.5	<0.5	<0.5
MW9G	10/01/03	12.98	5.41	7.57	NLPH	1,300		1,570	<0.50	<0.5	<0.5	<0.5
MW9G	01/06/04	12.98	4.92	8.06	NLPH	568	_	918	<0.50	<0.5	<0.5	<0.5
	06/07/04	12.98	5,49	7.49	NLPH	457	_	324	<0.50	<0.5	<0.5	<0.5
MW9G			5,48 h	r.45 h	h	428h	_	369h	<0.50h	<0.5h	<0.5h	<0.5h
MW9G MW9G	08/30/04 12/13/04	12.98 12.98	5,01	7.97	NLPH	1,030	_	1,030	<0.50	<0.5	<0.5	<0.5
	12/13/04 03/14/05	12.98	4.98	8.00	NLPH	395	_	451	<0.50	<0.5	<0.5	<0.5
MW9G				7.44	NLPH	333	_	404	<0.50	<0.5	<0.5	<0.5
MW9G	06/08/05	12.98	5.54 6.35	6.63	NLPH	218		308	<0.50	<0.50	<0.50	0.63
MW9G	09/01/05	12.98			MLPH	210	_	_	~0.50	-	-	<del>-</del>
MW9G	12/09/05 j	12.98	 4.83	8.15	NLPH	75.3	_	69.9	<0.50	<0.50	<0.50	<0.50
MW9G	12/30/05	12.98						- UB.8		~0.50 	~Q,50 —	
MW9G	03/07/06 J	12.98		_		_				_	_	<del>-</del>
MWBG	08/26/08 j	12.98	_	4.57	 10 BU	— 94.5	_	180	<0.50	 <0.50	<0.50	<0.50
MW9G	09/25/06	12.98	8.41	4.57	NLPH	\$4.5	_	100	~0.30	~0.50	~0.00	70.00

Former Exxon Service Station 7-0238 2200 East 12th Street Oaklend, California (Page 7 of 9)

Well	Sampling	TOC	DTW	GW Elev.	SUBJ	TPHg	MTBE 80218	MTBE 8260B	B	۲	E	×
ID	Date	(feet)	(feet)	(feet)		(µg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)
Hewm	11/02/95	8.58	8.40	0.18	NLPH	<50	<10		<0.5	<0.5	<0.5	< 0.5
MW9H	04/26/96	8.58	B.05	0.53	NLPH							
MW9H	08/22/96	8.58	8.17	0.41	NLPH	_	_	_		-	_	
MW9H	02/24/97	8.58	-					_		***	_	***
MW9H	03/18/98	8.58			_			_		_	_	
MW9H	04/21/98	8.58			_		_	_			***	
MW9H	07/22/98	11.61		_	_		_	_	_		_	_
MW9H	12/22/98	11.61	7.81	3.80	NLPH	<50	<2.5		<0.5	<0.5	<0.5	<0.5
MW9H	02/26/99	11.61	7,61	4.00	NLPH	<50	<2.5	-	<0.5	<0.5	<0.5	<0.5
MW9H	05/18/99	11.61	8.00	3.61	NLPH	<50	3.98		<0.5	<0.5	<0.5	<0.5
MW9H	08/03/99	11.61	6.05	5.56	NLPH	<50	<2.5		<0.5	<0.5	<0.5	<0.5
MW9H	12/03/99	11.61	5.32	6.29	NLPH	<50	<2	_	<0.5	<0.5	<0.5	0.57 b
MW9H	02/29/00	11.61	7,10	4.51	NLPH	<50	<2		<0.5	<0.5	<0.5	<0.5
MW9H	05/18/00	11.61	7.84	3.77	NLPH	<50	9.7		<0.5	<0.5	<0.5	<0.5
мwэн	07/24/00	11.61	7.94	3,67	NLPH	<50	17	_	<0.5	<0.5	<0.5	<0.5
MW9H	10/09/00	11.61	8.09	3.52	NLPH	<50	13	_	<0.5	<0.5	<0.5	1.1
MW9H	01/10/01	11,61	7.89	3.72	NLPH	<50	11	_	<0.5	<0.5	<0.5	0.5
MW9H	04/10/01	11.61	8.71	2.90	NLPH	<50	44	_	<0.5	0.78	0.52	2.36
MW9H	07/12/01	11.81	_	_	NLPH	<50	28		<0.5	<0.5	<0.5	<0.5
MW9H	08/17/01 d	11,61				_					_	_
MW9H	10/11/01	11,61	8.15	3.46	NLPH	<50	30		<0.5	<0.5	<0.5	<0.5
MWOH	Nov-01	11.59		n compliance with	AB2886 requi	rements.						
MW9H	01/11/02	11.59	7.48	4.11	NLPH	<50.0	20.5e		<0.50	<0.50	<0.50	<0.50
MW9H	04/12/02	11.59	7.68	3,91	NLPH	<50.0	32.8		<0.50	<0.50	<0.50	<0,50
MW9H	07/12/02	11.59	8.06	3.53	NLPH	<50.0	34,8	_	<0.5	<0.5	<0.5	<0.5
MW9H	10/11/02	11.59	7.83	3.76	NLPH	<50.0	33.1	28.7	<0.5	<0.5	<0.5	<0.5
MW9H	01/10/03	11.59	7.39	4.20	NLPH	<50.0	18.0	<del></del> -	0.5	8.0	0.6	1.8
MW9H	04/09/03	11,59	7.69	3.90	NLPH	<50.0	26.8	_	<0.50	<0.5	<0.5	<0.5
MW9H	07/22/03	11.59	7.94	3.65	NLPH	55.3	34.7		<0.50	<0.5	<0.5	<0.5
MW9H	10/01/03	11.59	7.93	3.66	NLPH	<50.0		32.3	<0.50	<0.5	<0.5	0.9
MW9H	01/06/04	11.59	7.27	4.32	NLPH	<50.0	_	10	<0.50	<0.5	<0.5	<0.5
MW9H	06/07/04	11.59	7.99	3.60	NLPH	50.6	_	71.7	<0.50	<0.5	<0.5	<0.5
MW9H	08/30/04	11.59	h	h	h	84.2h	_	51.0h	<0.50h	<0.5h	<0.50h	<0.5h
MW9H	12/13/04	11.59	7.22	4.37	NLPH	<50.0	_	14.0	<0.50	<0.5	0.5	1.2
MW9H	03/14/05	11.59	6.98	4.63	NLPH	<50.0	_	27.4	<0.50	<0.5	<0.5	<0.5
MW9H	06/08/05	11.59	7.53	4.06	NLPH	52.6		68.8	<0.50	<0.5	<0.5	<0.5
MW9H	09/01/05	11.59	7.82	3.77	NLPH	140		71.6	<0.50	<0.50	<0.50	<0.50
MW9H	12/09/05 ]					_	_	_		_	-	
HeWM	12/30/05	11.59	7.27	4.32	NLPH	<50.0	_	13.7	<0.50	<0.50	<0.50	<0.50
MW9H	03/07/ <b>0</b> 6 J	11.59	_			_	-	_	_	_	_	
MW9H	06/26/06 J	11.59			_	_	_	_	-		-	
MW9H	09/25/06	11.59	7.96	3.63	NLPH	59.5		71.0	<0,50	<0.50	<0.50	<0.50

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Well	Sampling	тос	DTW	GW Elev.	SÜBJ	TPHg	MTBE 6021B	MTBE 8280B	В	Т	E	х
ID	Date	(feet)	(feet)	(feet)		(µg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW9I	11/02/95	10.11	6.04	4.07	NLPH	<50	<10		<0.5	<0.5	<0.5	<0.5
MW9I	04/28/96	10.11	5.27	4.84	NLPH	<50	99		<0.5	<0.5	<0.5	<0.5
MWel	08/22/98	10.11	5.66	4.45	NLPH	<50	170		<0.5	<0.5	<0.5	<0.5
MWel	02/24/97	10.11	5.24	4.87	NLPH	120	9,100		<0.5	<0.5	<0.5	<0.5
MW9I	03/16/98	10.11	4.91	5,20	NLPH	<200	59,000	_	13	<2.0	<2.0	<2.0
MW9I	03/10/98	10.11	5.08	5.03	NLPH	<500	59,000	_	<5.0	<5.0	<5.0	<5.0
	07/22/98	13.14	5.44	7.70	NLPH	<500	62,000	_	<5.0	<5.0	<5.0	<5.0
MW9I	12/22/98	13.14	5,32	7.82	NLPH	200	51,000	_	1.7	<0.5	<0.5	<0.5
MW9I	02/26/99	13.14	4,71	8.43	NLPH	<500	9,700		<5.0	<5.0	<5.0	<5.0
MW91	05/18/99	13.14	5.30	7.84	NLPH	<1,000	3,730		<10	<10	<10	<10
MW91		13.14	5.98	7.1 <del>8</del>	NLPH	<50	21,900		<0.5	0.850	<0.5	<0.5
MW9I	08/03/99	13.14	5.90 5.31	7.83	NLPH	<250	2,000		3.9	2.9	<2.5	14
MW9I	12/03/99 02/29/00	13.14	4.20	8.94	NLPH	50	18,000		0.74	<0.5	<0.5	<0.5
MW9I			5,12	8.02	NLPH	<50	2,900		<0.5	<0.5	<0.5	<0.5
MW9I	05/18/00	13.14 13.14	5,12 5,41	7.73	NLPH	<250	43,000		<2.5	<2.5	<2.5	<2.5
MW9I	07/24/00		5.41	7.73	NLPH	<2,500	54,000		1.6	<0.5	<0.5	<0.5
MW9I	10/09/00	13.14	5.24	7.90	NLPH	<250	36,000		<2.5	<2.5	<2.5	<2.5
MW9I	01/10/01	13.14	4.84	8.30	NLPH	<50	4,800		<0.5	<0.5	<0.5	<0.5
MW9I	04/10/01	13.14		a.so	NLPH	<50	8,400		<0.5	<0.5	<0.5	<0.5
MW9I	07/12/01	13.14	— 6.49	6.85	_	_	<del></del>	•••		_		_
MW9I	08/17/01	13.14		7.50	NLPH	<250	38,000		<2.5	<2.5	<2.5	<2.5
MW9I	10/11/01	13.14	5.64	n compliance with			•0,022					
MW9I	Nov-01	13.13		8.33	NLPH	1,330e	5,400e		4,80 e	<0.50	<0.50	<0.50
MWel	01/11/02	13.13	4.80	7.91	NLPH	1,460	1,480		<0.50	<0.50	<0.50	<0.50
MW91	04/12/02	13.13	5,22	7.63	NLPH	4,460	8,490	***	<0.5	<0.5	<0.5	<0.5
MW91	07/12/02	13.13	5.50	7.78	NLPH	31,300	37,700	51,000	<5.0	<5.0	<5.0	<5.D
MW91	10/11/02	13.13	5.35	8.38	NLPH	4,820	6,180	_	9.4	0.7	1.1	1.3
MW9I	01/10/03	13.13	4.75	7.98	NLPH	2,130	1,510		22.3	1.9	1.5	1.5
MW91	04/09/03	13.13	5.15	7.63	NLPH	2,330	2,540	201	1.60	<0.5	<0.5	<0.5
MM8I	07/22/03	13.13	5.50	7.48	NLPH	6,080		4,810	1.00	<0.5	<0.5	<0.5
MW9I	10/01/03	13.13	5. <del>8</del> 5 4.50	8,63	NLPH	175	_	61.3	0.90	<0.5	0.5	<0.5
MW9I	01/06/04	13.13		6.26	NLPH	4,820	<u></u>	3,410	<0,50	<0.5	<0.5	<0.5
MW9I	08/07/04	13.13	6.87		h	817h	_	847h	<0,50h	<0.5h	<0.5h	<0.5h
MW9I	08/30/04	13.13	h	h 8.66	NLPH	<50.0		14.4	<0.50	<0.5	<0.5	<0.5
WM8I	12/13/04	13.13	4.47			96.7	_	44,9	<0.50	<0.5	<0.5	<0.5
MW9I	03/14/05	13.13	5.05	8.08	NLPH NLPH	1,230	_	321	<0.50	<0.5	<0.5	0.8
WWBI	06/08/05	13.13	6.47	6.66		170	<del>-</del>	62.3	1.22	0.77	<0.50	<0.50
MW9I	09/01/05	13.13	5.60	7.53	NLPH	78.3		81.0	<0.50	0.58	<0.50	<0.50
WW9I	12/09/05	13.13	6.82	6.31	NLPH			—	-0.50		***	
MW9I	12/30/05	13.13	4.23	8.90	NLPH	 ~E0		0.96	<0.50	<0.50	<0.50	<0.50
MW9I	03/07/08	13.13	5.08	8.05	NLPH	<50 <50	_	3.7	<0.50	<0.50	<0.50	<0.50
MW9I	06/26/08	13.13	5.30	7.83	NLPH	<50 50.0	_	3.7 24.0	<0.50	<0.50	<0.50	<0.50
MW9I	09/25/06	13.13	6.17	6.96	NLPH	50.9	_	24.0	70.30	-5.50	-2100	

#### TABLE 1A

#### CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

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Notes:		
SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in weil.
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 6015B.
MTBE 8021B	=	Melhyl terliary butyl ether analyzed using EPA Method 8021B.
MTBE 8260B	=	Melhyl tertlary butyl ether analyzed using EPA Method 8280B.
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 bulyl alcohol analyzed using EPA Method 8260B.
EOB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane analyzed using EPA Melhod 82608.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 82608.
μg/L	=	Micrograms per liter.
ND	=	Not detected at or above the laboratory reporting limit. See laboratory analytical report for specific reporting limits.
<	=	Less than the indicated reporting limit shown by the laboratory.
_	=	Not measured or sampled or analyzed.
а	=	Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 05/27/99.
ь	=	Analyte detected in the trip blank and/or bailer blank.
C	=	Due to measurement error during initial sampling event, DTW was re-measured on 08/17/01. No samples were taken.
d	=	Well (naccessible.
e	=	Samples collected after fourth quarter 2001 analyzed by TestAmerica, Incorporated. Reported concentrations may be affected by differing laboratory quantitation methods.
ſ	=	Sample erroneously labeled MA98 on Chain-of-Custody form and laboratory report.
9	=	Insufficient sample volume to perform analyses.
h	=	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.

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Well	Sampling	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethan
ID	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µġ/L)	(µg/L)	(μց/Լ
MW9A	11/02/95 - 07/12	/02 Not analyzed for	lhese 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			· 	_			<2,50
MW9A	08/30/04 h		_		-	<del></del> -		
MW9A	12/13/04	_	_		_	_	_	_
MW9A	03/14/05	<0.50	1.00	14,400	<0.50	<0.50	<0.50	<50.0
MW9A	06/08/05	<0.50	<0.50	22,400	<0,50	<0.50	<0.50	<100
MW9A	09/01/05		_	<u>-</u>	_	_		
MW9A	12/09/05	_				_		_
MW9A	12/30/05	_		_		_		_
MW9A	03/07/06	<5.0	<5.0	5,600	<5.0	<5.0	<5.0	<1,00
MW9A	06/26/06	_		_	***	_	_	<1,00
MW9A	09/25/06	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.
MW9B	11/02/96 - 07/12/	02 Not analyzed for	lhese analytes.					
MW9B	10/11/02 f	< 0.50	<0.50	<10.0	<0.50	<0.50	<0.50	_
MW9B	01/10/03	_			_	***	_	_
MW9B	04/09/03				_			_
MW9B	07/22/03	_	_	_	-	_		
MW9B	10/01/03	<0.50	9.70	2,430	<0.50	<0.50	<0.50	
MW9B	01/06/04	0.80	9,00	11,500	<0.50	<0.50	<0.50	-
MW9B	06/07/04	_		_	_	_		<50.
MW9B	08/30/04	_	<del></del>			_		<50.0
MW9B	12/13/04	_		_			***	
MW9B	03/14/05	<0.50	<0.50	4,800	<0.50	<0.50	<0.50	<50.
MW9B	06/08/05	<0.50	<0.50	2,320	< 0.50	<0.50	< 0.50	<100
MW9B	09/01/05	_	_	· <u></u>	_			
MW9B	12/09/05	_	_				_	_
MW9B	12/30/05	_			_	_	_	
MW9B	03/07/06	<0.50	<0.50	1,200	<0.50	<0.50	<0.50	_
MW9B	06/26/06	_		_	•			-
MW9B	09/25/06	<0.500	<0.500	70.1	<0.500	<0.500	<0.500	-
MW9C	11/02/95 - 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	01/10/03		_		_			
MW9C	04/09/03	_		_	_			
MW9C	07/22/03	_	_		_	_		
MW9C	10/01/03	<0.50			<0.50	<0.50	<0.50	

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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)
MW9C	01/06/04	0.80	2.50	90,700	<0.50	<0.50	<0.50	
MW9C	06/07/04	***	_					<50.0
MW9C	08/30/04		_		_	_		<50.0
MW9C	12/13/04	_					_	_
MW9C	03/14/05	<0.50	<0.50	674	< 0.50	<0.50	<0.50	<50.0
MW9C	06/08/05	<0.50	<0.50	817	<0,50	<0.50	<0.50	<100
MW9C MW9C	09/01/05	-					_	
MW9C	12/09/05		_	_	_	_	_	_
MW9C	12/30/05		_	***			_	_
	03/07/06	<2.5	<2.5	160	<2.5	<2.5	<2.5	***
MW9C						_		_
MW9C	06/26/06	 <0.500	<0.500	<10.0	< 0.500	<0.500	< 0.500	
MW9C	09/25/06	<0.500	~0,500	-10.0	-2.000	5.555		
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		_					
MW9D	07/22/03	_	_	-			_	
MW9D	10/01/03	<0.50	<0,50	235	<0.50	<0.50	<0.50	_
MW9D	01/08/04	< 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	_	_	_	_	_	<b></b>	
MW9D	12/09/05	_		_			<del></del>	
MW9D	12/30/05 d	<u> </u>		_	_	_		_
MW9D	03/07/06	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	
MW9D	06/26/06	_		_	_	_		
MW9D	09/25/06	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	
			16 b d a a					
MW9F		/02 Not analyzed for		<10.0	<0.50	<0.50	<0.50	
MW9F	10/11/02	<0.50	<0.50	<10.0	<0.00		_	
MW9F	01/10/03	_		_	_		<del></del>	
MW9F	04/09/03	_			_			
MW9F	07/22/03			-10.0	— <0.50	 <0.50	<0.50	
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			<50.0
MW9F	06/07/04		_	_				<50.0 <50.0)
MW9F	08/30/04	_				-	***	\30.0j
MW9F	12/13/04	_		_	-0.50	-D FA	 -0.50	 <50.0
MW9F	03/14/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<100
MW9F	06/08/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	
MW9F	09/01/05		_	_		_	e	

Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 3 of 5)

Well	Sampling	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethano
ID	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW9F	12/09/05 ]		_	_	D-17	_	_	
MW9F	12/30/05		_	_	_			
MW9F	03/07/06 j		_	_	_	B04	_	
MW9F	06/26/06 j		_	_	_	_	_	
MW9F	09/25/06	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	
MW9G	11/02/95 - 07/12	/02 Not analyzed for	these enalytes.					
MW9G	10/11/02	< 0.50	<0.50	<10.0	<0.50	<0.50	<0.50	
MW9G	01/10/03		_	_	-		_	
MW9G	04/09/03			_		-		_
MW9G	07/22/03	_	_	_	_	_	_	_
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	_	_	_	***			<50.0
MW9G	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	09/01/05	_	_	_	-		_	
MW9G	12/09/05 J	_	_	-	_		•••	
MW9G	12/30/05	_	_	_	_	***		_
MW9G	03/07/06 j		_	_	_			_
MW9G MW9G	08/26/06 j		_	_	_		_	
MW9G	09/25/06	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	
MW9H	11/02/95		_	_	<50	<10	<0.5	<0.5
MW9H		/02 Not analyzed for	these analytes.					
MW9H	10/11/02	<0.50	<0.50	<10.0	< 0.50	<0.50	<0.50	-
MW9H	01/10/03	-	_	_	-	_		
MW9H	04/09/03	<b></b>			_	_	***	
MW9H	07/22/03		_	_	_	_		
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	< 0.50	<0.50	_
MW9H	06/07/04	_	_	•=		_		<50.0
MW9H	08/30/04		_	_				<50.0
	12/13/04	_	_			_	-41	<del></del>
MW9H		<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
MW9H	03/14/05	<0.50	<0.50 <0.50	<10.0	<0.50	<0.50	<0.50	<100
MW9H	06/08/05			~10.0	~0.50 —-	~0.55		
MW9H	09/01/05	_						
MW9H	12/09/05 j		-	_		-		_
MW9H	12/30/05	_	-		_			
MW9H	03/07/06 [	<del></del>	_				_	
MW9H	06/26/06 J	-		<del>-</del>	_		 -0.500	_
MW9H	09/25/06	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 4 of 5)

Well	Sampling	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
(D	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)
MW9I		/02 Not analyzed for						<del></del> -
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
MW9I	08/30/04		B4-1	_	_	-	_	<50.0j
MW9I	12/13/04		_			<b></b>	_	
MW9I	03/14/05	<0.50	<0.50	1,640	<0.50	<0.50	<0.50	<50.0
MW9I	06/08/05	<0.50	<0.50	47,000	<0.50	<0.50	<0.50	<100
MW9I	09/01/05		_	_	_			
MW9I	12/09/05	<b></b>		_				<del></del>
MW9I	12/30/05	_		_	_	_	_	_
MW9i	03/07/06	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<100
MW91	06/26/06	_		_	_		_	<100
MW9i	09/25/06	<0.500	<0.500	10,300	<0.500	<0.500	<0.500	<50.0

#### TABLE 1B

#### ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 5 of 5)

Notes:	_	
ŞUBJ	=	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 tertlary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl elher analyzed using EPA Method 8260B.
TBA	=	Tertlary butyl alcohol analyzed using EPA Method 82608.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl elher analyzed using EPA Method 8260B.
Elhano!	=	Ethanol analyzed using EPA Melhod 8260B.
μg/L	=	Micrograms per liter.
ND	=	Not detected at or above the laboratory reporting limit. See laboratory analytical report for specific reporting limits.
<	=	Less than the Indicated reporting limit shown by the laboratory.
	=	Not measured or sampled or analyzed.
а	=	Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 05/27/99.
ь	=	Analyte detected in the trip blank and/or baller blank.
¢	=	Due to measurement error during initial sampling event, DTW was re-measured on 08/17/01. No samples were taken.
d	=	Well inaccessible.
e	=	Samples collected after fourth quarter 2001 analyzed by TestAmerica, Incorporated. Reported concentrations may be affected by differing
		laboratory quantitation methods.
ſ	=	Sample erroneously labeled MA9B on Chain-of-Custody form and laboratory report.
9	=	Insufficient sample volume to perform analyses.
ħ	=	Groundwater elevation data invalidated; analytical results suspect.
i	=	Weil sampled using no-purge method.
j	-	Well not gauged and/or sampled due to encroachment permit restrictions.

## TABLE 2 WELL CONSTRUCTION DETAILS

Former Exxon Service Station 7-0236 2200 East 12th Street Oakland, Callfornia (Page 1 of 1)

Well	Date Well Installed	TOC Elevation (feet)	Borehole Diameler (inches)	Total Depth of Boring (feet)	Weil Depth (feet)	Well Casing Diameter (inches)	Well Casing Material	Screened Interval (feet)	Slot Size (inches)	Filter Pack Interval (feet)	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	<b>4</b> -14	NS	NS	NS
MW9G	11/22/88	12.98	8	16.5	14	NS	NS	5-14	NS	NS	NS
MW9H	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	PVČ	5-20	0.020	4-20	#3 Sand

Notes: TOC

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

NS = Not specified.

PVC = Polyvinyl chloride.

Former Excen Service Station 7-0238 2200 Seat 12th Stroot Oakland, California (Page 1 of 5)

OATE	1				FIELD	MEASUF	REMENTS			LABORA	TORY ANALY	TICAL RESULTS	TPHg I	Remove1	MTBE	Removel	Benzene	Removal	Destruction	Benzene
	System	Total	Tomp	Vacuum	Prosaure		low	Samplo	PID	TPHg	Bonzono	MTBE	Poriod	Cumulativo	Poriod	Cumulalivo	Period	Cumulaliva	Efficiency	
	Hours	Hours	(deg F)	("Hg)_	("H₂O)	(fpm)	(scfm)	ID	(ppmv)	(mg/M³)	_(mg/M²)	(mg/M*)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(%)	(lb/day)
03/01/04	System	steri up.	Running or	departure			-													
03/01/04	4		70	27.5	1.0	350	23	A-INF	4,389											
								A-EFF	26.1											
03/05/04	100	_	70	28.0	1.0	700	48	A-INF	599											
					4.5		40	A-EFF	9,0	4,000	37	200	102.12	102,12	5,11	5.11	0,94	0.64	99.74	0,002
03/08/04	172	_	70	26.0	1.0	800	40	A-INF A-EFF	> 10,000 25.9	23	0,50	< 0.50	102.12	102.12	٥, ١١	5.11	<b>2</b> ,0-4	0.04	00111	-,
00/47/04	000		70	26.0	1.0	750	50	A-INF	> 10,000	20	0.00	- 0.00								
03/12/04	268		70	20.0	1.0	, 50	55	A-EFF	9.0											
03/19/04	438		70	21.5	1.0	750	50	A-INF	8,500											
03/16/04	-100			<b>L</b> •	110			A-EFF	0.0											
03/26/04	604	_	70	20.0	1.0	1,000	68	A-INF	500											
								A-EFF	1.0											
04/02/04	772	_	70	27.0	1.0	1,400	93	A-INF	285	87	0.60	15	303,30	405.42	15.96	21.06	2.79	3.73	99.65	0.001
								A-EFF	1.0	< 10	< 0.10	< 0.50								
04/08/04	916		70	18.0	1.0	1,500	69	A-INF	6,700											
								A-EFF	4.0											
04/15/04	1.084		70	20.0	1.0	1,500	99	A-INF	9,600											
			70	40.0	4.0	400	40	A-EFF	17.0 760											
04/22/04	1,252		70	10.0	1,0	600	40	A-INF A-EFF	2.0											
0.450040.4	4.420		70	25,0	1.0	700	48	A-INF	920											
04/29/04	1,420		70	20,0	1.0	700	70	A-EFF	4.0											
05/08/04	1,588	_	70	22.0	1.0	650	43	A-INF	5,600											
03/00/04	1,500					•••		A-EFF	7.0											
05/13/04	1,756		70	24	1,0	650	43	A-INF	3,200	1,200	9.1	52	160.55	585.97	8.36	29.42	1.21	4.94	89.84	0.0004
•=	.,,,,,,							A-EFF	2.0	< 10	< 0.10	< 0.50								
05/21/04	1,848		70	24	1.0	550	38	A-INF	767											
								A-EFF	3.0											
05/27/04	2,092		70	25	1.0	600	40	A-INF	8,700											
								A-EFF	7.0				77.00	040.77	0.40	22.02	0.49	5.44	98.48	0.0004
06/03/04	2,260	_	70	25	1.0	850	43	A-INF	1,969	720 16	3.1 0.11	32 < 0.50	77.80	643.77	3.40	32.82	0,48	5.44	80,40	0.0004
					4.0	000	40	A-EFF	30.0	10	0.17	~ 0.50								
06/09/04	2,404	_	70	27	1.0	600	40	A-INF A-EFF	1,150 16.0											
000101	0.704		70	27	1.0	500	33	A-INF	1,000											
06/24/04	2,784	_	,,,	۷,	1.0	Qub.		A-EFF	10.0											
07/14/04	2,774		70	28	1.0	800	53	A-INF	1,500											
3771404	4717		,,		,		•••	A-EFF	28.0											
07/22/04	2,966	_	70	24	1,0	1,000	86	A-INF	120	400	3.4	13	80.89	724,45	3.24	36.06	0.47	5.91	91.67	0.0021
								A-EFF	10.0	37	0.35	0.55								
08/05/04	409	3,375		_		_		A-INF	_											
								A-EFF	_											
08/20/04	577	3,543	70	21	1.0	800	53	A-INF	711											
								A-EFF	20.0				440		. 001	4 50 55	A 75	0.00	60.62	0,0021
08/25/04	745	3,711	70	22	1.0	850	58	A-INF	120	850	5.4	< 25	106.54	831.00	< 3.24	< 39.30	0.75	8,68	90.83	0,0021
								A-EFF	11.0	92	0.4	1								

Former Excen Service Station 7-0238 2200 East 12th Street Oakland, California (Pago 2 of 5)

DATE	T				FIELO	MEASU	REMENTS			LABORA	TORY ANALY	TICAL RESULTS	TPHg	Removal	MTBE	Removal	Benzene	Removal	Destruction	Benzene
[ <u>-</u>	Systom	Total	Tomp	Vacuum	Prossure		low	Sample	PID	TPHg	Benzene		Period	Cumulativo	Pariod	Cumulative	Period	Cumulalivo	1	Emission
1	Hours	Hours	(deg F)		("H <sub>2</sub> O)	(fpm)	(scím)	1D	(ppmv)	(mg/M²)	(mg/M²)	(mg/M*)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(%)	(lb/day)
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	0.0188
								A-EFF	27.0	910	6.7	< 12								
09/16/04	1,081	4,047	70	22	1.0	950	63	A-INF	158										92.31	
								A-EFF	12.0											
09/23/04	1,249	4,215	70	22	1.0	950	63	A-INF	132										91.67	
								A-EFF	11.0											
09/30/04	1,417	4,383	70	21	1.0	1,000	88	A-INF	240										99.17	
						4 000		A-EFF	2.0											
10/07/04	1,505	4,471	70	20	2.0	1,200	79	A-INF	101										91.09	
10/44504	1,593	4 550	70	20	1.0	1 200	79	A-EFF A-INF	9,0 70											
10/14/04	1,083	4,559	70	20	1.0	1,200	10	A-EFF	50.0											
10/14/04	Shul des	vn syslem '	for cotolyti	e orddizac	oveluntion	Cetalve	d piolos mo			ped of ceplaci	ion. No sempl	les collected for Octo	nbor							
02/04/05	1,593	4,559	71		1.0	800	53	A-INF	111										100.00	
020 1100	11400	1,200		~.				A-EFF	0.0											
02/10/05	1,737	4,703	72	21	1.0	750	50	A-INF	32	29.0	2.13	2.84	247.85	1,148.36	4.82	< 45.54	1.67	8.75		0.0166
	.,-	.,-						A-EFF	4.8	< 10.2	< 0.508	< 0.508								
02/17/05	System	shut down.																		
02/17/05	1,905	4,871	64	22	1.0	600	39	A-INF	21										93.17	
								A-EFF	1.4											
03/10/05	1,905	4,871	82	18	1.0	1,400	95	A-INF	402										99.15	
							_	A-EFF	3.4											
03/17/05	1,920	4,885	78	17	1.0	1,100	74	A-INF	29.4	24.8	1.32	294	1.14	1,147.50	0.12	< 45.88	0.07	8.82	100.00	0.0028
							<b>.</b>	A-EFF	0.0	< 10.2	< 0.508	< 0.508								
03/24/05	2,088	5,054	76	17	1.0	1,100	74	A-INF	29.4										100.00	
000000	2,256	= ~~~	76	17	1.0	1.400	74	A-EFF A-INF	0.0 29.4										100.00	
03/31/05	2,230	5,222	70	11	1.0	1,100	F-4	A-EFF	0,0										100.00	
04/06/05	System	down on an	rival and d	opoduro				A-L11	0,0											
04/08/05	2,268	5,232		—			<b>144</b>	A-INF	_											
	_,							A-EFF												
05/13/05	System o	iown on an	ival. Rest	arted. Ru	inning on d	eparture														
	2,269	5,235	72	22	0.0	800	63	A-INF	52.1	32.3	2.13	1,73	2.38	1,149.66	0.19	< 45.88	0.14	8.96	100.00	0.0029
								A-EFF	0.0	< 10,2	< 0.50B	< 0.508								
05/20/05			72	19	1.0	1,400	93	A-INF	102										100.00	
								A-EFF	0											
05/27/05	2,458	5,422	72	16	1.0	1,400	93	A-INF	42										100.00	
								A-EFF	0											
06/03/05	2,604	5,570	72	15	1.0	1,300	66	A-INF	47.0	38.5	2.44	2.54	3.01	1,152.87	0.18	< 48.04	0.20	9.16	100.00	0,0010
004005	0.770	5 700	70	40		4.500		A-EFF	0.0	< 10.2	< 0.508	< 0.508								
06/10/05	2,772	5,738	72	12	2.0	1,500	99	A-INF	33,0											
00/17/05	2,941	5,907	72	14	3.0	1,500	98	A-EFF A-INF	0.0 42.0											
00/17/05	2,941	5,907	12	14	3.0	1,500	80	A-INC	0.0											
08/23/05	3,104	6,070	72	14	3.0	1,400	83	A-EFF	26.0											
30/20/03	O, 104	5,010	12		2.0	1,400	60	A-INC	0.0											
07/01/05	3,273	6,239	72	14	3.0	1,400	93	A-INF	120											
\$110 HOW	3,0.0	-,	-			.,		A-EFF	0.0											

Former Excen Service Station 7-0238 2200 East 12th Street Oakland, California (Page 3 of 5)

DATE	т				FIELD	MEASUF	REMENTS	-		LABORA*	TORY ANALY	IICAL RESULTS	TPHg I	Removal	мтає	Removal	Benzono	Removal	Destruction	
UNIE	System	Total	Tomp	Vacuum	Pressure		low	Sample	PID	TPHg	Benzene	MTBE	Period	Cumulative	Period	Comulative	<b>Donod</b>	Cumulative	Efficiency	Emission
	Hours	Hours	(deg F)		("H <sub>2</sub> O)	(fpm)	(ecfm)	ID	(ppmv)	(mg/M²)	(mg/M*)	(mg/M³)	(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											
								A-EFF	0.0											
07/15/05	3,510	6,478	74	18	0.0	1,400	94	A-INF	67.2											
								A-EFF	0,1											
07/22/05	3,675	6,641	74	15	0.0	1,400	94	A-INF	120											
					- ^			A-EFF	0.0											
07/29/05	3,844	6,810	72	16	0.0	1,000	67	A-INF A-EFF	4.0 0.0											
		0.000	70		0.0	1,400	93	A-EFF	4.5											
08/05/05	3,860	6,828	72	14	0.0	1,400	83	A-EFF	0.0											
08/12/05	3,860	6,828	72	14	0.0	1,400	93	A-INF	4.5	< 5.000	< 0,500	< 0.500	< 8.75	< 1.181.62	< 0.84	< 46.69	< 0.62	< 9.78	100.00	0.0041
06/12/00	3,000	0,020	72	,	0.0	,,		A-EFF	0.0	< 5.000	< 0.500	< 0.500								
08/19/05	System	dawn fot o	umo ropair	r/replaceme	ent.															
08/19/05	3,867	6,833		***			_	A-INF	-											
		•						A-EFF												* ***
09/23/05	3,882	6,848	72	17	0.0	1,400	93	AINF	56.0	44.8	1.78	0.902	< 0.19	< 1,181.81	< 0.01	< 48.69	< 0.01	< 9,79	100.00	Q.0042
								A-EFF	0.0	< 5.00	< 0.500	< 0.500								
09/30/05	4.048	7,014	72	12	0.0	1,400	93	A-INF	5,1											
								A-EFF	0.0	4 5 60	~ 0.600	< 0.500	< 2.70	< 1,184.51	< 0.08	< 48.77	< 0.12	< 9.02	100.00	
10/07/05	4,217	7,183	72	10	0.0	1,200	80	A-INF	1.0	< 5,00 —	< 0.500	~ 0.500	~ 2.70	< 1,104.51	<b>~</b> 0.00	- 40.77	- 0. IL	. D.OL	1001-0	
				40		4.000	60	A-EFF A-INF	0.0 3.0	_	-									
10/14/05	4,388	7,352	72	16	0.0	1,200	80	A-IINF	0.0											
	4 450	7.000	70	18	0.0	1,200	80	A-INF	0.0	< 5.00	< 0.500	< 0.500	< 0.27	< 1,184.78	< 0.03	< 48.79	< 0.03	< 9.94	100.00	0.0039
10/21/05	4,400	7,388	72	10	0.0	1,200	45	A-EFF	0.0	< 5.00	< 0.500	< 0.500		•						
10/28/05	4,564	7,530	72	12	0.0	1,400	93	A-INF	0.0	***-										
10/20/03	7,007	1,000				.,		A-EFF	0.0											
11/04/05	4,735	7,701	72	16	0.0	1,400	93	A-INF	4.0	7,48	< 0.500	< 0,500	< 0.88	< 1,185.48	< 0.05	< 48.85	< 0.05	< 10.00	100.00	0.0039
						-		A-EFF	0.0	< 5.00	< 0.500	< 0.500								
11/11/05	4,905	7,871	72	14	0.0	1,500	100	A-INF	14.0											
								A-EFF	0.0											
11/18/05	5,068	8,034	72	18	0.0	1,400	93	A-INF	26.0											
								A-EFF	0.0											
11/21/05	5,110	9,076	72	19	0.0	1,200	80	A-INF	320.0											
								A-EFF	0.0	00.0	4 77	7.00	< 4,30	< 1,169.78	< 0.03	< 47.78	< 0.26	< 10.28	100.00	0,0022
12/05/05	5,371	8,337	72	16	0,0	1,500	100	A-INF	28.0	30.0 < 5.00	1.77 < 0.500	7.62 < 0.500	4,30	~ 1,109,10	· 0.65	- 47.10	~ 0.20	- 10,20	100.00	O,EGEL
					»	_		A-EFF	0.0	~ 0.00	~ U.000	~ 0,500								
12/09/05				atelytic exic	o,0 0,0		87	A-INF	100.0											
12/09/05	5,540	8,506	72	18	0,0	1,300	07	A-EFF	0.0											
01/27/06	Catalidia	nvidirer re	anair coma	lete Roets	nd system	ലവർ നിടന	horge to bo			m systom prik	or to departure									
01/27/06	5,546	8,512	72		0.0	1,400	93	A-INF	0.0	< 5,00	< 0.500	< 0,500	< 1.11	< 1,170.87	< 0.26	< 48.04	< 0.07	< 10.33	100,00	0.0043
0 1/L//00	0,540	0,012	,_	.~		.,		A-EFF	0.0	< 5.00	< 0.500	< 0.500								
****					- 1- k-l-l	- dente f		volom nel-	e la classe	turo										
02/24/06		-					a nwob turk	ystem pro A-INF	0.0 or to debar	cure. < 5,00	< 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	< 0.500	. 0.00	., . , 5.51	Ţ, <b>2</b> 0					
								WELL.	0.0	- 0,00	0,000	4.000								

Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 4 of 5)

DATE	1				FIELD	MEASU	REMENTS			LABORAT	ORY ANALY	TICAL RESULTS	TPHg	Removal	MTBE	Removal	Веплел	e Removal	Destruction	Bonzene
15,,,,,	System	Total	Tomp	Vacuum	Pressure	,	Flow	Sample	PID	TPHg	Benzene	MTBE	Period	Cumulative	Period	Cumulative	Period	Cumulative		Emission
	Hours	Hours	(deg F)		(⁻H₂O)	(fpm)	(scfm)	ΙD	(ppmy)	(mg/M²)	(mg/M³)_	(mg/M²)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(%)	(lb/day)_
03/03/06	Lab rosu	lls roceived								_										
03/03/06	5,821	8,587	72	19	0.0	800	53	A-INF	0.0	< 5,00	< 0.500	3.47	< 0.10	< 1,170.87	< 0.04	< 48.08	< 0.01	< 10.34	100.00	0.0033
								A-EFF	0.0	< 5,00	< 0.500	< 0.500								
03/09/06	System 6	shut down,	ewailing p	onor time	wal.															
07/11/06	Permit re	newal com	plete, rest	tert system			mpling. Sys													
07/11/06	5,785	8,731	72	18	0.0	1,200	80	A-INF	6,9	< 50.0	< 0.500	1.03	< 0.09	< 1,171.98	< 0.08	< 48.16	< 0.02	< 10.38	100.00	0.0030
								A-EFF	0.0	< 50.0	< 0.500	< 0,500								
07/18/08	System s	hul down o	on arrival e	and running	g on dopor	ture.														
07/18/08	5,787	8,733	72	17	0.0			A-INF												
								A-EFF												
07/21/06	5,835	8,801	72	15	0.0	1250	83	A-INF	64											
								A-EFF	0,0											
07/28/06	6,000	8,968	72	14	0.0	1200	80	A-INF	56											
								A-EFF	0.0											
08/04/06	System r	unning on e	arrival and	departure	).															
08/04/08	6,169	9,135	72	12	0.0	1400	93	A-INF	0,0	< 60.0	< 0.500	< 0.500	< 8.54	< 1,178,50	< 0.10	< 48.26	< 0.07	< 10.42	100.00	0.0039
								A-EFF	0,0	< 50.0	< 0.500	< 0.500								
08/11/08	6,338	9,304	72	12	0.0	1400	93	A-INF	0.0											
								A-EFF	0,0											
08/18/06	6,509	9,475	72	12	0.0	1250	83	A-INF	0.0											
	.,	•						A-EFF	0.0											
08/25/06	6,672	9,638	72	12	0.0	1250	63	A-INF	36											
00.25.00	0,0	0,000						A-EFF	0.0											
09/01/08	6,699	9,865	72	11	1.0	1400	93	A-INF	42											
00701,00	0,000	0,000						A-EFF	0.0											
09/08/08	System r	unning on é	arrival and	departure	١.															
	6,867	9,833	72			1400	93	A-INF	0.0	< 50.0	< 0.600	< 0.500	< 12.15	< 1,190.65	< 0.12	< 48.38	< 0.12	< 10.55	100.00	0.0042
00,00.00	0,001	0,000				•		A-EFF	0.0	< 50.0	< 0.500	< 0,500								
09/15/08	7.033	9,999	72	11	1.0	1400	93	A-INF	0.0											
0971300	1,030	0,000	, _	,,	1.0		•••	A-EFF	0.0											
09/22/08	7,201	10,167	72	10	1.0	1,400	93	A-INF	0.0											
05/2200	7,201	10,10,	'-	,•		,,	**	A-EFF	0.0											
09/29/06	7,370	10,338	74	10	1.0	1,400	93	A-INF	0.0											
00120100	.,0.0	,	, ,			.,		A-EFF	0.0											
10/06/08	System n	unning on e	arrivel end	departure																
10/08/08	7,537	10,503		10	1.0	1,400	63	A-INF	0.0	< 50.0	< 0.500	1.07	< 11.67	< 1,202.32	< 0.18	< 48.58	< 0.12	< 10,86	100.00	0.0042
								A-EFF	0.0	< 50.0	< 0.500	< 0.500								

#### TABLE 3

#### OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, VAPOR- PHASE

Former Excen Service Statton 7-0238 2200 East 12th Street Oakland, California (Page 5 of 5)

Notes:

A-INF = Influent vapor sample. A-EFF = Effluent vapor sample.

TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B or 18M.

Benzene = Benzene enelyzed using EPA Method 80218 or 18M.

MTBE = Mothyl tertiary butyl ether analyzed using EPA Method 8021B or 16M.

Temp = Temperature of vapor stream.

deg F = Degrees Fahrenheit.

"Hg = Inches of mercury vectuum.

"H2O = Inches of water column.

PID = Photo-ionization detector measurement.

actm = Actual cubic feet per minute.

scim = Standard cubic feet per minute.

deg F = Dogreos Fehrenheit.

ppmv = Parts per million by volume.

fpm = Fool per minute.

mg/M<sup>3</sup> = Milligrams per cubic meter.

lb/day = Pounds per day.

— Not sampled/Not analyzod/Not meesured/Not calculated/Not applicable.

Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 1 of 5)

	System	Eff, Totalizer	Average	Total Flow	Sample			Labora	tory Analyt	ical Results			TPHg	Removed	Benzene	Removed	MTBI	E Removed
Date	Hours	Reading	Flow rate	per period	ID.	TPHg	TPHd	В	τ	Ę	Х	MTBS	Per Period	Cumulative	Per Pariod	Cumulativo	Per Poriod	Cumulative
	(hre)	(gal)	(gpm)	(gal)		(µg/L)	(µg/L)	(μց/Լ)	(µք/L)	(μգ/Լ)	(µg/L)	(µg/L)	(ibs)	(lbs)	(ibs)	(lbs)	(lbs)	(lbs)
01/15/04	1	0	0,00	0	W-INF	82	78	< 5.0	< 5.0	< 5.0	< 5.0	160	0.000	0.000	0.00000	0,0000	0.0000	0.000
					W-INT1	< 50	< 47	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					W-INT2	< 50	53	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
					PSP-1	< 50	62	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
03/01/04	6	0	0.00	0	W-INF	4,100	580a	< 25	< 25	47	36	2,800	0.000	0.000	0.00000	0.0000	0.0000	0.000
					W-INT1	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					PSP-1	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
03/05/04	102	3,620	0.63	3,620														
03/08/04	174	11,610	1.85	7, <del>9</del> 90	W-INF	< 2,500	260a	< 25	< 25	< 25	30	2,100	< 0.320	< 0.320	< 0.00242	< 0.0024	0.2373	0.237
					W-INT1	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2,5						
					W-INT2	< 50	50a	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					PSP-1	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
03/12/04	270	19,090	1.30	7,480														
03/19/04	438	31,960	1.28	12,870														
03/26/04	606	41,930	0.99	9,970														
04/02/04	774	49,260	0.73	7,330	W-INF	< 1,000	< 50	< 10	< 10	< 10	< 10	350	< 0.550	< 0.869	< 0.00550	< 0.0079	0.3848	0.622
					W-INT1	190	< 50	< 0,50	< 0,50	< 0,50	< 0.50	86						
					M-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						
04/DB/04	918	57,700	0.98	8,440														
04/15/04	1,086	69,440	1.16	11,740														
04/22/04	1,254	79,000	0.95	9,560														
04/29/04	1,422	84,000	0.50	5,000											_			
05/06/04	1,590	89,250	0.52	5,250	W-INF	700	648	< 5.0	< 5,0	< 5.0	< 5,0	430	< 0.284	< 1.153	< 0.00250	< 0.0104	0.1301	0.752
					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						
05/40/04	4.750	04.700	0.54	5 450	PSP-1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
05/13/04	1,758	94,700	0.54	5,450														
05/21/04	1,950	100,850	0.53	6,150														
05/27/04	2,092	105,330	0.52	4,480	IAC IAIC	270	75.	- 25	- 25	~ n e	425	240	0.000	4 4 600	- 0.00007		0.0570	0.000
06/03/04	2,260	110,590	0.52	•	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
					W-INT1	190	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2 PSP-1	230 160	< 50	< 0.50 < 0.50	1.3 0.76	< 0.50	< 0.50	< 2.5						
00/00/04	0.404	444 500	0.47		ror-1	100	< 49	₹ 0.50	0.76	< 0.50	< 0.50	< 2.5						
06/09/04 06/24/04	2,404 2.764	114,690 115,140	0.47 0.02	4,100 450														
07/14/04	2,774	117,590	0.02	2,450														
07/14/04	2,774		0.09		W-INF	280	78a	< 2.5	4.9	< 2.5	2,5	110	0.000	- 105C	~ 0.00004	- 00113	0.0454	0.004
01/22/04	2,300	121,930	0,36	•		< 50	70a < 48	< 0.50	< 0.50	< 0.50	< 0.50	110 < 2.5	0.026	< 1.265	< 0.00024	~ 0.0113	0.0151	0.824
					W-1141 1 W-1NT2	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5 < 2.5						
					98-11412 PSP-1	< 50	< 49	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5 < 2.5						
07/29/04	2,966	125,290	0.33	3,360	F-5F-1	~ 50	~ 40	~ 0.00	~ U.UU	~ 0.00	~ 0.00	~ Z.J						
01129104	2,500	120,280	0.33	3,300														

Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 2 of 5)

	Cualam	Eff. Totalizer	Average	Total Flow	Sample			Labore	lory Analyti	cal Results	•		TPHg	Removed	Benzene	Removed	МТВЕ	Removed
Data	System Hours	Reading		par parlod	ID	TPHg	TPHd	8	T	E	x	MTBE	Per Period	Cumulative	Per Period	Cumulative	Per Period	Cumulative
Date	(hrs)	(gai)	(gpm)	(gal)	"	(µg/L)	(μg/L)	(µg/L)	(բե/Լ)	(µg/L)	(µg/L)	(µg/L)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)
08/05/04	2,976	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
00/03/04	2,510	120,000		•(1.55	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	< 60	67a	< 0.50	< 0,50	< 0.50	< 0.50	< 2.5						
08/20/04	2,976	125,380	0.00	50														
08/25/04	3,096	127,980	0.36	2,600														
09/09/04	3,456	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											. 0.00075	- 0.0404	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	< 0.089	< 1.385	< 0,00076	< 0.0124	0,0352	0.012
					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						
					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 cata	lytic oxidize	r evaluation.														
01/27/05	System res	larted and sam			discharge	. Awaiting :	sample resu	its belore c	ommencing	alscharge.								
	_	166,130	0.00	690				5.45	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	285a	5.10 < 0.50	< 0.5	< 0.5	< 0.5	< 0.5	₹ 0.002	1.007	. 0,05052	0.0121	2.0000	
					W-INT1	< 50.0	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-INT2	< 50.0	147a	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					PSP-1	< 50.0	< 50	~ 0.50	₹ 0.5	V 0.0	7 0.5	4 0,0						
02/03/05	•	nk discharged.		CAA														
		166,730	0.06	600														
02/04/05	1,593	168,760	0.02	30 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	1,737	169,610	0.33	2,050	W-INT1	< 50.0	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5	5.555					
					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						
	<b>0</b>			- adiuslment		~ 50.0	3.0	4 0.50	- 0.0									
02/17/05	5ysiem sn 1,905	ut down for cata 172,890	0.33	3,280	a.													
02/17/05	•	· · · - • ·		3,200														
03/17/05	5ystem res 1,920	tarted and sam 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
	1,920	174,000	0.03	1,110	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	2,088	190,570	0.00	16,570	. 01 -1	<b>4</b> 11												
03/24/05	2,056	199,470	0.88	8,900														
CO/1 5750	2,200	100,470	5.00	0,000														

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	Carriorn	Eff. Totalize	r Average	Total Flow	Sample			Laboral	ory Analylk	cal Results			TPHg	Romoved	Benzeno	Removed	мтва	Removed
Data	System	Reading	-	perperiod	iD	TPHg	TPHd	В	T	E	X	MTBE	Per Period	Cumulative	Per Period	Cumulative	Per Period	Cumulative
Date	Hours (hrs)	(gal)	(gpm)	(gal)	"	(µg/L)	(µg/L)	_ (μg/L)	(µց/L)	(μցл.)	(µg/L)	(µg/L)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)
04/08/05	2,266	199,470	0,00	0	W-INF	116	163	< 0.50	< 0.5	< 0.5	< 0.5	120	0.089	< 1.499	< 0.00011	< 0.0126	0,0152	0.893
04/00/03	2,200	100,770	4,00	•	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	Vrh.																
05/13/05	2,269	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
00.000	_,				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	vn on arrival.	Restarted.	Running on d	Jeparture.													
05/20/05		200,480	0.10	1,010														
05/27/05	2,456	217,480	1,69	17,000														
06/08/05	2,604	236,100	1.08	16,620	W-INF	182	_	< 0,50	< 0.5	< 0.5	< 0.5	170	0,061	< 1.559	< 0.00015	< 0.0127	0.0391	0.932
	_,				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						
06/10/05	2,772	246,610	3.65	10,510														
06/17/05	2,941	252,790	0.61	6,180														
06/24/05	3,104	262,930	1.01	10,140														
07/01/05	3,273	272,060	0.91	9,130														
07/08/05	3,441	281,210	0.91	9,150														
07/15/05	3,510	284,580	0.33	3,370														
07/22/05	3,675	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
					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	3,844	299,140	0.72	6,940														
08/05/05	d 3,860	299,910	80.0	770	W-INF	58.6		< 0.500	< 0.500	< 0.500	< 0.500	48,5	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						
					W-PSP-1	< 50.0		< 0,500	< 0.500	< 0.500	< 0,500	< 0.500						
08/12/05	3,860	299,910	0.00	0														
08/19/05	3,867	300,120	0.02	210														
09/23/05	3,882	300,370	0.00	250														
09/30/05	4,048	306,340	0,59	5,970														
10/07/05	4,217	312,870	0.63	6,330	W-INF	< 50.0	-	< 0.50	< 0.50	< 0,50	< 0.50	45.5	< 0.006	< 1.634	< 0.00005	< 0.0130	0.0049	1.0023
					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						
10/14/05	4,386	320,120	0.74	7,450														
10/21/05	4,400	321,060	0.09	940														
10/28/05	4,584	329,550	0.84	8,490														

## TABLE 4 OPERATION AND PERFORMANCE DATA

## FOR DUAL-PHASE EXTRACTION SYSTEM, LIQUID-PHASE Former Exxon Service Station 7-0238

2200 East 12th Street Oakland, Ceilfornia (Page 4 of 5)

	Syslem	Eff. Totalizer	Average	Total Flow	Sample			Labora	tory Analytic	al Results			TPHg	Removed	Benzene	Removed	мтве	Removed
Date	Hours	Reading	-	per period	ID	TPHa	TPHd	В	'n	E	x	MTBE	Per Period	Cumulativo	Per Period	Cumulative	Per Period	Cumulative
Date	(hrs)	(gal)	(gpm)	(gal)	"	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)	(բն/Լ)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)
11/04/05	4,735	337,120	0.75	7,570	W-INF	55.5		< 0,50	< 0.50	< 0.50	< 0.50	50,2	< 0.011	< 1.645	< 0.00010	< 0.0131	0,0104	1.0127
11704700	4,100	001,125	0	,,,	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	4,905	348,240	1.10	11,120														
11/18/05	5,088	355,300	0.70	7,060														
11/21/05	5,110	357,390	0.48	2,090														
12/02/05	5,371	375,850	1.17	18,460														
12/09/05		it down for cal			ce.													
12/09/05	5,540	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
12/09/03	5,540	004,000	0.01	V	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						
01/27/08	Region eve	tem for samplic	ng Dischen	ae lo holdina			ı for departi	ire.										
01/27/06	5,540	385,760	0.02	1,170	W-INF	< 250		< 2.5	< 2.5	< 2.5	< 2.5	170	< 0.002	< 1.677	< 0.00001	< 0.0134	0.0014	1.0466
01/21/00	5,545	300,700	0.02	.,	W-INT1	< 50	_	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2	< 50	_	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
						< 25,000	_	< 250	< 250	< 250	< 250	32,000						
02/03/06	Restart sva	tem for samplir	no. Dischan	ae to holdina		,	n for departs											
02/03/06	5,544	385.760	0.00	0	W-PSP-1			< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
02/17/06		tem for samplin		_			n for departs	Jro.										
02/17/06	5,545	385.760	0.00	0	W-PSP-1			< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
02/24/06		tem and proce		onk water. Sy	stem shut	down for dep	parture.											
02/24/06	5,548	386,700	0.09	940		-												
03/03/06	•	it down on arriv	val. rostort :	system.														
03/03/06	5,621	396,250	0.95	9,550	W-INF	< 250		< 2.5	< 2.5	< 2.5	< 2.5	150	< 0.022	< 1.699	< 0.00022	< 0.0136	0.0140	1.0606
	<b>-1</b>			•	W-INT1	< 50	***	< 0.50	< 0.50	< 0.50	< 0.50	< 2,5						
					W-INT2	< 50	_	< 0.50	< 0.50	< 0,50	< 0.50	< 2.5						
					W-PSP-1	< 50		< 0.50	< 0,50	< 0.50	< 0.50	< 2.5						
03/09/06	System run	ning on arrival.	. Svatem sh	ut down pend	ling permit	renewei.												
03/09/06	5.762	414.070	2.06	17,820	•,													
07/11/06	Permit rene	wal complete,	restart syst	em for compli	lance samp	iling. System	shut down	on departu	re.									
07/11/06	5,765	414,070	0.00	o ´	W-INF	63.6	_	< 0.50	< 0.50	< 0.50	< 0.50	47.6	< 0.023	< 1.723	< 0.00022	< 0.0138	0.0147	1.0753
	-•				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						
07/18/06	System dov	vn on arrival ar	id running o	on departure														
07/18/06	5,767	414,900	0.08	830														
07/21/06	5,835	420,170	1.22	5,270														
07/28/06	6,000	429,180	0.89	9,010														

Former Exxon Service Station 7-0238 2200 East 12th Street Oakland, California (Page 5 of 5)

										a, California je 5 of 5)								
	System	Eff. Totalizer	Average	Total Flow	Sample			Labora	lory Analyti	cei Results	_		TPHg	Removed	Benzene	Removed	МТВ	Removed
Date	Hours	Reading	_	per period	ID	TPHg	TPHd	В	Т	E	x	MTBE	Per Period	Cumulative	Per Period	Cumulativo	Par Pariod	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)
08/04/06		nning on arrival		_	_	, (FB-)	(7-0-7	1-2-1	17-12	.,, -				, ,	, ,	•		•
08/04/06	6,169	436,570	0.73	7,390	W-INF	< 50.0		< 1.00	< 1.00	< 1,00	< 1.00	9.84	< 0.011	< 1,733	< 0.00014	< 0.0139	0.0054	1.0807
00/0 //00	-,	100,010			W-INT1	< 50.0		< 1.00	< 1.00	< 1,00	< 1.00	< 3.00						
					W-INT2	< 50.0	_	< 1.00	< 1.00	< 1.00	< 1.00	< 3.00						
					W-PSP-1	< 50.0		< 1.00	< 1.00	< 1.00	< 1,00	< 3.00						
08/11/06	6,338	442,910	0.63	6,340														
08/18/06	6,509	449,180	0.82	6,270														
09/25/06	6.872	454,650	0.54	5,470														
09/01/06	6,699	456,090	0.14	1,440														
09/08/06	-	nning on arrival																
09/08/06	6,867	462,560	0,64	6,470	W-INF	< 50	_	< 0,50	< 0.50	< 0.50	< 0.50	9,1	< 0.011	< 1.744	< 0,00016	< 0.0141	0.0021	1.0827
	•				W-JNT1	< 50		< 0.50	< 0.50	< 0,50	< 0.50	< 2.5						
					W-INT2	< 50	_	< 0,50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-PSP-1	< 50	***	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
09/15/06	7,033	465,650	0.31	3,090														
09/22/06	7,201	467,300	0.16	1,650														
09/29/06	7,370	468,280	0.10	980														
10/06/06	System rui	nning on arrival	and departu	ıre.														
10/06/06	7,537	471,570	0.33	3,200	W-INF	< 50		< 0.50	< 0.50	< 0.50	< 0.50	17	< 0.004	< 1.748	< 0,00004	< 0.0141	0.0010	1.0837
					W-INT1	< 50	_	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2	< 50	_	< 0.50	< 0.50	< 0.50	< 0.50	< 2,5						
					W-PSP-1	< 50	_	< 0.50	< 0,50	< 0.50	< 0.50	< 2.5						
Notes:	_			_	·											<u> </u>		
W-INF	=	Water Influent	combined.															
W-INT1	=	Water interne	diale afler fi	rst carbon ve	ssei,													
W-INT2	=	Water Intermed	dialo ofter s	econd carbor	ı vessel.													
PSP-1	=	Water effluent.																
TPHg	=	Total petroleur	n hydrocarb	ions as gasoli	ine enalyza	d using mod	lified EPA N	Aelhod 801	5m.									
TPHd	=	Total petroleur	n hydrocarb	ons as diesel	l analyzed	using modific	ed EPA Mel	hod 8015m	1.									
BTEX	=	Benzono, lolus	ne, ethylbe:	nzene, and to	tal xylenes	analyzed us	ing EPA M	ethod 8021	B.									
MTRE	_	Mathyl tartland	build other i	analvzed usin	o EPA Mel	had 8021B												

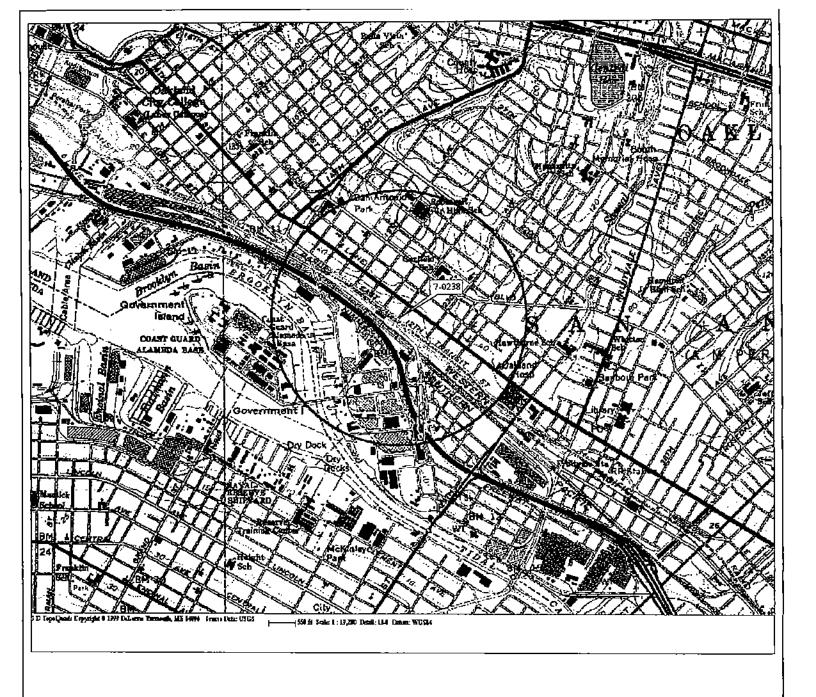
W-INT1	=	Water intermediate after first carbon vessel.
W-INT2	=	Water Intermediate after second carbon vessel.
PSP-1	=	Water effluent.
TPHg	=	Total petroleum hydrocarbons as gasoline enslyzed using modified EPA Method 8015m.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using modified EPA Method 8015m.
BTEX	=	Benzono, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
MTBE	=	Methyl tertlary butyl ether analyzed using EPA Method 8021B.
hrs	=	Ноига.
gal	=	Gallons.
gpm	=	Gallons per minute.
μg/L	=	Micrograms per liter.
1bs	=	Pounds,
_	=	Not sampled/Not analyzed/Not measured/Not calculated/Not applicable.
<	=	Lass than the laboratory method reporting limit.
а	=	Diesel-range organic compounds reported in sample; however, chromatogram pattern is not representative of diesel fuel.
ь	=	Diese) result was within the range diesel fuel. There was insufficient area for pattern match.

d = Sample (nadvertently misdated by laboratory. Correct sampling date is shown.
 If value is below taboratory reporting limit, then detection limit value is used for removal calculations.

C

Sample mislabeled as W-EFF on COC and leb report.

<sup>\*\*</sup> Indicates the concentrations of identifiable analytes are below the laboratory reporting limit unloss otherwise noted.



FN 2293TOPO

### **EXPLANATION**

1/2-mile radius circle

## APPROXIMATE SCALE

0.5

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



## SITE VICINITY MAP

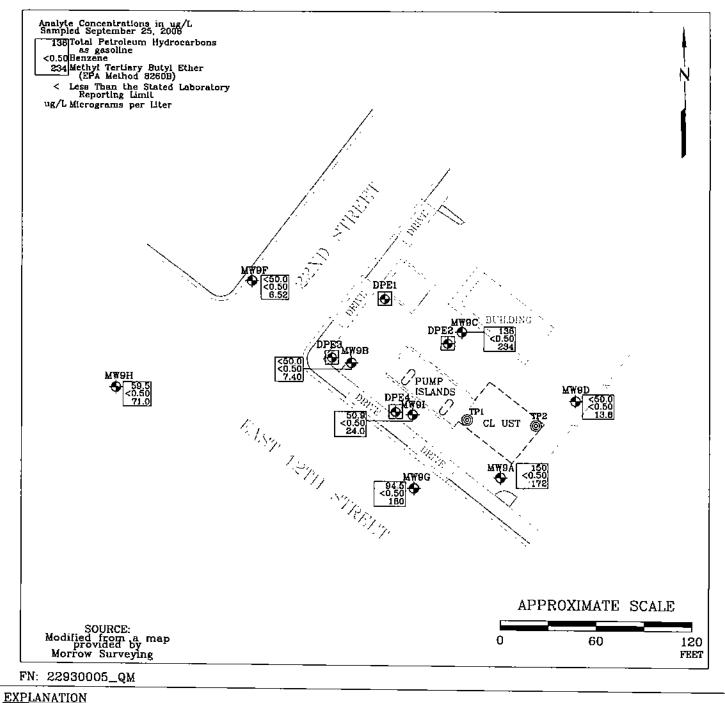
FORMER EXXON SERVICE STATION 7-0238 2200 East 12th Street Oakland, California

PROJECT NO. 2293

PLATE

mile

1



Groundwater Monitoring Well

DPE4

Dual-Phase Extraction Well

Tank Pit Well



# SELECT ANALYTICAL RESULTS September 25, 2006 FORMER EXXON SERVICE STATION 7-0238

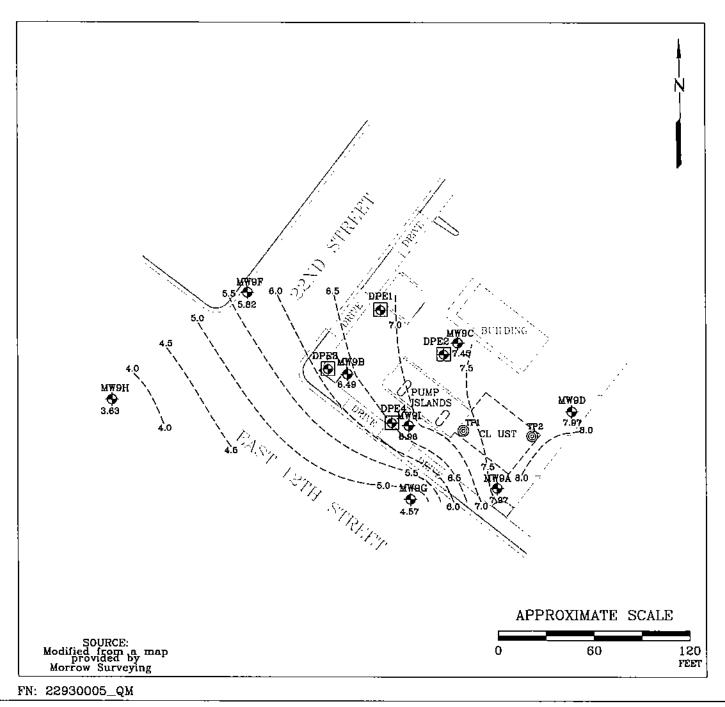
2200 East 12th Street Oakland, California

PROJECT NO.

2293

PLATE

2



#### **EXPLANATION**

MA81

Groundwater Monitoring Well 6.96 Groundwater elevation in feet; dalum is mean sea level

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

DPE4

Dual-Phase Extraction Well

Tank Pit Well



## GROUNDWATER ELEVATION MAP September 25, 2006

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

PROJECT	NO.
2293	

PLATE Э

# ATTACHMENT A GROUNDWATER SAMPLING PROTOCOL

#### **GROUNDWATER SAMPLING PROTOCOL**

The static water level and separate-phase product level, if present, in each well that contained water and/or separate-phase product are measured with 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 ratio of the circumference of a circle to its diameter

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

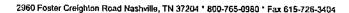
After purging, each well is allowed to recharge to at least 80% of the initial water level. Water samples from wells that do not recover at least 80% (due to slow recharging of the well) between purging and sampling are considered to be "grab samples." Water samples are collected with a new, disposable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

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

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

### **ATTACHMENT B**

# LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS





October 11, 2006

Client: ERI Petaluma (10228

601 North McDowell Bank 5 5 5 1

Petaluma, CA 94954

Attn: Paula Sime

Work Order: NPI3625

Project Name:

Date Received:

Exxon(06) 7-0238 PO:4507207187

Project Nbr: P/O Nbr: 229313X

4507207187 09/28/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW9A	NPI3625-02	09/25/06 L5:23
MW9B	NPI3625-03	09/25/06 16:28
MW9C	NPI3625-04	09/25/06 16:36
MW9D	NPI3625-05	09/25/06 17:00
MW9F	NP13625-06	09/25/06 14:15
MW9G	NPI3625-07	09/25/06 13:17
MW9H	NPI3625-08	09/25/06 14:45
MW9I	NPI3625-09	09/25/06 16:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

California Certification Number: 01168CA

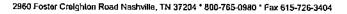
The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

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

Report Approved By:

Leah R. Klingensmith

Senior Project Management





Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime

Surr: Toluene-d8 (78-121%)

Surr: 4-Bromofluorohenzene (78-126%)

Purgeable Petroleum Hydrocarbons

92%

105 %

Attn

Work Order:

NPI3625

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number:

229313X

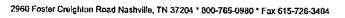
Received:

09/28/06 08:00

		ANALYTICAL RE	PORT				
Analyte	Result	Flag Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPI3625-02 (MW9A - 1	Water) Sample	ed: 09/25/06 15:23					
Volatile Organic Compounds by EPA M	fethod 8021B						
Benzene	ND	ug/L	0.50	1	10/06/06 10:16	SW846 8021B	6101000
Ethylbenzene	ND	ug/L	0.50	1	10/06/06 10:16	SW846 8021B	6101000
Toluene	ND	ug/L	0.50	1	10/06/06 10:16	SW846 8021B	6101000
Xylones, total	ND	ug/L	0.50	1	10/06/06 10:16	SW846 8021B	6101000
Surr: a,a,a-Trifluorosoluene (63-134%)	106 %				10/06/06 10:16	SW846 8021B	6101000
Volatile Organic Compounds by EPA N	1ethod 8260B						
Tert-Amyl Methyl Ether	ND	ug/L	0.500	1	10/09/06 08:36	SW846 8260B	6101304
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	i	10/09/06 08:36	SW846 8260B	6101304
Ethanol	ND	ug/L	50.0	1	10/09/06 08:36	SW846 8260B	6101304
1,2-Dichloroethane	ND	ug/L	0.500	1	10/09/06 08:36	SW846 8260B	6101304
Ethyl tert-Butyl Ether	ND	ug/L	0.500	1	10/09/06 08:36	SW846 8260B	6101304
Diisopropyl Ether	ND	ug/L	0.500	I	10/09/06 08:36	SW846 8260B	6101304
Methyl tert-Butyl Ether	172	ug/L	0.500	I	10/09/06 08:36	SW846 8260B	6101304
Tertiary Butyl Alcohol	ND	ug/L	10.0	l	10/09/06 08:36	SW846 8260B	6101304
Surr: 1,2-Dichloroethane-d4 (70-130%)	100 %				10/09/06 08:36	SW846 8260B	6101304
Surr: Dibromofluoromethane (79-122%)	101 %				10/09/06 08:36	SW846 8260B	6101304
Surr: Toluene-d8 (78-121%) Surr: 4-Bromofluorobenzene (78-126%)	91%				10/09/06 08:36	SIV846 8260B	6101304
•	103 %				10/09/06 08:36	SIV846 8260B	6101304
Purgeable Petroleum Hydrocarbons		_					
GRO as Gasoline	150	ug/L	50,0	I	10/06/06 10:16	SW846 8015B	6101000
Surr: a,a,a-Trifluorotoluene (63-134%)	106 %				10/06/06 10:16	SW846 8015B	6101000
Sample ID: NPI3625-03 (MW9B - '	Water) Sampl	ed: 09/25/06 16:28					
Volatile Organic Compounds by EPA M	Method 8021B						
Benzene	ND	ug/L	0.50	1	10/07/06 03:57	SW846 8021B	6101303
Ethylbenzene	ND	ug/L	0.50	ı	10/07/06 03:57	SW846 8021B	6101303
Toluene	ND	ug/L	0.50	1	10/07/06 03:57	SW846 8021B	6101303
Xylenes, total	ND	ug/L	0.50	1	10/07/06 03:57	SW846 8021B	6101303
Surr: a,a,a-Trifluorotoluene (63-134%)	86 %				10/07/06 03:57	SIV846 8021B	6101303
Volatile Organic Compounds by EPA M	Method 8260B						
Tert-Amyl Methyl Ether	ND	ug/L	0.500	1	10/08/06 23:54	SW846 8260B	6101489
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	ı	10/08/06 23:54	SW846 8260B	6101489
1,2-Dichloroethene	ND	ug/L	0.500	ı	10/08/06 23:54	SW846 8260B	6101489
Ethyl tert-Bulyl Ether	ND	ug/L	0.500	1	10/08/06 23:54	SW846 8260B	6101489
Diisopropyl Ether	ND	ug/L	0.500	1	10/08/06 23:54	SW846 8260B	6101489
Methyl tert-Butyl Ether	7.40	ug/L	0.500	1	10/08/06 23:54	SW846 8260B	6101489
Tertiary Butyl Alcohoi	70.1	ug/L	10.0	1	10/08/06 23:54	SW846 8260B	6101489
Surr: 1,2-Dichloroethane-d4 (70-130%)	101 %				10/08/06 23:54	SIY846 8260B	6101489
Surr: Dibromofluoromethane (79-122%)	95 %				10/08/06 23:54	SIV846 8260B	6101489

10/08/06 23:54 SW846 8260B 6101489

10/08/06 23:54 SW846 8260B 6101489





Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime

Attn

Work Order:

NPI3625

Project Name:

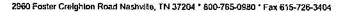
Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 229313X

09/28/06 08:00

ΛNA	$\mathbf{L}\mathbf{Y}$	TIC	AL.	REP	ORT

Analyte	Result Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPI3625-03 (MW9B -	Water) - cont. Sampled:	09/25/06 16:28					
Purgeable Petroleum Hydrocarbons - co							
GRO as Gasoline	ND	ug/L	50.0	1	10/07/06 02-62	CIVEAC GOLED	£101202
Surr: a,a,a-Trifluorotaluene (63-134%)	86 %	uge	50.0	1	10/07/06 03:57 10/07/06 03:57	SW846 8015B SW846 8015B	6101303 6101303
Sample ID: NPI3625-04 (MW9C -	Water) Sampled: 00/25	/06 16.26			10/0//00/05/07	20040 00152	010150
Volatile Organic Compounds by EPA		700 16:50					
Benzene	ND	ug/L	0.50	1	10/07/06 04:30	CM/046 0021D	6101202
Ethylbenzene	ND	ug/L	0.50	ı I		SW846 8021B	6101303
Toluene	ND	ug/L	0.50	-	10/07/06 04:30	SW846 8021B	6101303
Xylenes, total	ND	ug/L		l	10/07/06 04:30	SW846 8021B	6101303
Surr: a,a,a-Trifluorotoluene (63-134%)	86 %	цg/L	0.50	1	10/07/06 04:30	SW846 8021B	6101303
Volatile Organic Compounds by EPA					10/07/06 04:30	SW846 8021B	610130.
Tert-Amyl Methyl Ether	ND	ug/L	0.500		10000000000	<b>5331044 55 655</b>	<b></b>
1,2-Dibromocthane (EDB)	ND	_	0.500		10/09/06 00:19	SW846 8260B	6101489
1,2-Dichloroethane	ND	ug/L	0.500	i	10/09/06 00:19	SW846 8260B	6101489
Ethyl tert-Butyl Ether	ND	ug/L	0.500	. I	10/09/06 00:19	SW846 8260B	6101489
Disopropyl Ether	ND ND	ug/L	0.500	!	10/09/06 00:19	SW846 8260B	6101489
Methyl tert-Butyl Ether		ug/L	0.500	1	10/09/06 00:19	SW846 8260B	6101489
• •	234	ug/L	2,50	5	10/09/06 13:57	SW846 8260B	6101351
Tertiary Butyl Alcohol	ND	ug/L	10.0	1	10/09/06 00:19	SW846 8260B	6101489
Surr: 1,2-Dichloroethane-d4 (70-130%) Surr: 1,2-Dichloroethane-d4 (70-130%)	90 %				10/09/06 00:19	SIY846 8260B	610148
Surr: Dibromofluoromethane (79-122%)	94 % 93 %				10/09/06 13:57	SIY846 8260B	610135.
Surr: Dibromofluoromethane (79-122%)	93 %				10/09/06 00:19	SW846 8260B	610148
Surr: Toluene-d8 (78-121%)	92 %				10/09/06 13:57	SW846 8260B	610135
Surr: Toluene-d8 (78-121%)	97 %				10/09/06 00:19	SW846 8260B	610148
Surr: 4-Bromofluorobenzene (78-126%)	99 %				10/09/06 13:57 10/09/06 00:19	SIY846 8260B SIY846 8260B	610135. 610148:
Surr: 4-Bromofluorobenzene (78-126%)	102 %				10/09/06 13:57	SW846 8260B	610135.
Purgeable Petrolcum Hydrocarbons							
GRO as Gasoline	136	ug/L	50.0	1	10/07/06 04:30	SW846 8015B	6101303
Surr: a,a,a-Trifluorotoluene (63-134%)	86 %	_			10/07/06 04:30	SW846 8015B	610130.
Sample ID: NPI3625-05 (MW9D -	Water) Sampled: 09/25	/06 17:00					
Volatile Organic Compounds by EPA		100 11100					
Benzene	ND	ug/L	0.50	1	10/07/06 05:01	SW846 8021B	6101303
Ethylbenzene	ND	ug/L	0.50	1	10/07/06 05:01	SW846 8021B	
Toluene	ND	ug/L	0.50	ì	10/07/06 05:01	SW846 8021B	6101303
Xylenes, total	ND	ug/L	0.50	i	10/07/06 05:01		6101303
Surr: a,a,a-Trifluorotoluene (63-134%)	86 %	Ug E	0.50	•	10/07/06 05:01	SW846 8021B SW846 8021B	6101303 610130
Volatile Organic Compounds by EPA 1					. 0/0//00 05:01	311 0 TO DOZID	010130
Tert-Amyl Methyl Ether	ND	ug/L	0.500	1	10/00/06 12-17	S11/946 00600	6101761
1,2-Dibromocthane (EDB)	ND	ug/L		1	10/09/06 12:17	SW846 8260B	6101351
1,2-Dichloroethane	ND		0.500	1	10/09/06 12:17	SW846 8260B	6101351
Ethyl tert-Butyl Ether		ug/L	0.500	1	10/09/06 12:17	SW846 8260B	6101351
Diisopropyl Ether	ND	ug/L.	0.500	1	10/09/06 12:17	SW846 8260B	6101351
Dimohiohki Edici	ИD	ug/L	0.500	I	10/09/06 12:17	SW846 8260B	6101351





Client ERI Petaluma (10228)

Paula Sime

Λttn

601 North McDowell Blvd.

Petaluma, CA 94954

Work Order:

NPI3625

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number:

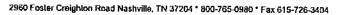
229313X

Received:

09/28/06 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPI3625-05 (MW9D -	Water) cont							
	•	-	09/25/00 17:00					
Volatile Organic Compounds by EPA M		coni.						
Methyl tert-Butyl Ether	13.8		ug/L	0.500	1	10/09/06 12:17	SW846 8260B	6101351
Tertiary Butyl Alcohol	ND		ug/L	10.0	l	10/09/06 12:17	SW846 8260B	6101351
Surr: 1,2-Dichloroethane-d4 (70-130%)	94 %					10/09/06 12:17	SIY846 8260B	610135
Surr: Dibromofluoromethane (79-122%)	93 %					10/09/06 12:17	SW846 8260B	610135
Surr: Toluene-d8 (78-121%) Surr: 4-Bromofluorobenzene (78-126%)	100 % 108 %					10/09/06 12:17	SIY846 8260B	610135
•	100 76					10/09/06 12:17	SW846 8260B	610135
Purgeable Petrolcum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	l	10/07/06 05:01	SW846 8015B	6101303
Surr: a,a,a-Trifluorotoluene (63-134%)	86 %					10/07/06 05:01	SIV846 8015B	610130
Sample ID: NPI3625-06 (MW9F - )	Water) Sampi	ed: 09/25/0	06 14:15					
Volatile Organic Compounds by EPA								
Benzene	ND		ug/L	0.50	ı	10/07/06 05:33	SW846 8021B	6101303
Ethylbenzene	ND		ug/L	0.50	ı	10/07/06 05:33	SW846 8021B	6101303
Toluene	ND		սց/L	0.50	i	10/07/06 05:33	SW846 8021B	6101303
Xylenes, total	מא		ug/L	0.50	1	10/07/06 05:33	SW846 8021B	6101303
Surr: a,a,a-Trifluorotoluene (63-134%)	85 %		-			10/07/06 05:33	SIV846 8021B	6/0130
Volatile Organic Compounds by EPA	Method 8260B							
Tert-Amyl Methyl Ether	ND		ug/L	0.500	ı	10/09/06 01:09	SW846 8260B	6101489
1,2-Dibromoethane (EDB)	ND		ug/L	0,500	i	10/09/06 01:09	SW846 8260B	6101489
1,2-Dichloroethane	ND		ug/L	0.500	1	10/09/06 01:09	SW846 8260B	6101489
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	10/09/06 01:09	SW846 8260B	6101489
Diisopropyl Ether	ND		ug/L	0,500	ı	10/09/06 01:09	SW846 8260B	6101489
Methyl tert-Butyl Ether	6.52		ug/L	0.500	1	10/09/06 01:09	SW846 8260B	610148
Tertiary Butyl Alcohol	ND		ug/L	10.0	l	10/09/06 01:09	SW846 8260B	6101489
Surr: 1,2-Dichloroethane-d4 (70-130%)	100 %		_			10/09/06 01:09	SW846 8260B	610148
Surr: Dibromofluoromethane (79-122%)	92 %					10/09/06 01:09	SW846 8260B	610148
Surr: Toluene-d8 (78-121%)	94 %					10/09/06 01:09	SW846 8260B	610148
Surr: 4-Bromofluorobenzene (78-126%)	100 %					10/09/06 01:09	SIY846 8260B	610148
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	I	10/07/06 05:33	SW846 8015B	610130
Surr: a,a,a-Trifluorotoluene (63-134%)	85 %		-			10/07/06 05:33	SW846 8015B	610130



Testamerica

ANALYTICAL TESTING CORPORATION

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NPI3625

Project Name:

Еххоп(06) 7-0238 РО:4507207187

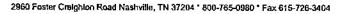
Project Number:

229313X

Received: 09/28/06 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPI3625-07 (MW9G				-			
Volatile Organic Compounds by EPA		ed: 09/23/00 13.17					
Benzene		-					
	ND	ug/L	0.50	ı	10/07/06 06:06	SW846 8021B	6101303
Ethylbenzene Talvana	ND	ug/L	0.50	l	10/07/06 06:06	SW846 8021B	6101303
Toluene	ND	ug/L −	0.50	l	10/07/06 06:06	SW846 8021B	6101303
Xylenes, total	ND	ug/L	0.50	I	10/07/06 06:06	SW846 8021B	6101303
Surr: a,a,a-Trifluorotoluene (63-134%)	86 %				10/07/06 06:06	SIY846 8021B	6101303
Volatile Organic Compounds by EPA	Method 8260B						
Tert-Amyl Methyl Ether	ND	ug/L	0,500	l	10/09/06 01:34	SW846 8260B	6101489
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	1	10/09/06 01:34	SW846 8260B	6101489
1,2-Dichloroethane	ND	ug/L	0.500	1	10/09/06 01:34	SW846 8260B	6101489
Ethyl tert-Butyl Ether	ND	ug/L	0.500	1	10/09/06 01:34	SW846 8260B	6101489
Dilsopropyl Ether	ИD	ug/L	0,500	•	10/09/06 01:34	SW846 8260B	6101489
Methyl tert-Butyl Ether	180	ug/L	0,500	1	10/09/06 01:34	SW846 8260B	6101489
Tertiary Butyl Alcohol	ND	ug/L	10.0	1	10/09/06 01:34	SW846 8260B	6101489
Surr: 1,2-Dichloroethane-d4 (70-130%)	100 %	-			10/09/06 01:34	SW846 8260B	6101489
Surr: Dibromofluoromethane (79-122%)	98 %				10/09/06 01:34	SW846 8260B	6101489
Surr: Toluene-d8 (78-121%)	93 %				10/09/06 01:34	SIV846 8260B	6101489
Surr: 4-Bromofluorobenzene (78-126%)	101 %				10/09/06 01:34	SW846 8260B	6101489
Purgeable Petroleum Hydrocarbons							
GRO as Gasoline	94.5	ug/L	50.0	1	10/07/06 06:06	SW846 8015B	6101303
Surr: a,a,a-Trifluorotoluene (63-134%)	86 %				10/07/06 06:06	SW846 8015B	6101303
Sample ID: NPI3625-08 (MW9H	- Water) Sampl	ed: 09/25/06 14:45					
Volatile Organic Compounds by EPA							
Benzene	ND	ug/L	0.50	ı	10/07/06 06:37	SW846 8021B	6101303
Ethylbenzene	ND	ug/L	0.50	i	10/07/06 06:37	SW846 8021B	
Toluene	ND	ug/L	0.50	i	10/07/06 06:37		6101303
Xylenes, total	ND	ug/L	0.50		10/07/06 06:37	SW846 8021B	6101303
Surr: a,a,a-Trifluorotoluene (63-134%)	86 %	-g 2	0.50	ī	10/07/06 06:37	SW846 8021B SIV846 8021B	6101303
Volatile Organic Compounds by EPA					10/0//00 00:37	317040 0UZIB	6101303
Tert-Amyl Methyl Ether		g	0.000				
• •	ND	ug/L	0.500	1	10/09/06 01:59	SW846 8260B	6101489
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	1	10/09/06 01:59	SW846 8260B	6101489
1,2-Dichloroethane	ND 	ug/L	0.500	1	10/09/06 01:59	SW846 8260B	6101489
Ethyl tert-Butyl Ether	ИD	ug/L	0.500	1	10/09/06 01:59	SW846 8260B	6101489
Diisopropyl Ether	ND	ug/L	0.500	1	10/09/06 01:59	SW846 8260B	6101489
Methyl tert-Butyl Ether	71.0	ug/L	0.500	1	10/09/06 01:59	SW846 8260B	6101489
Tertiary Butyl Alcohol	ND	ug/L	10,0	1	10/09/06 01:59	SW846 8260B	6101489
Surr: 1,2-Dichloroethane-d4 (70-130%)	98 %				10/09/06 01:59	SW846 8260B	6101489
Surr: Dibromofluoromethane (79-122%)	100 %				10/09/06 01:59	SIV846 8260B	610148
Surr: Toluene-d8 (78-121%)	90 %				10/09/06 01:59	SIV846 8260B	610148
Numer & Brown Brown Law 170 1760/1	95 %				10/09/06 01:59	SIV846 8260B	6101489
Surr: 4-Bromofluorobenzene (78-126%)					10,00,00 01.37	311040 02000	0101702
Purgeable Petroleum Hydrocarbons					10/0//00 (1.3)	30040 82888	0101702





Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NPI3625

Project Name;

Exxon(06) 7-0238 PO:4507207187

Project Number:

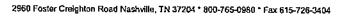
229313X

Received:

09/28/06 08:00

ANA	LY	TICA:	L REP	ORT
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Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPI3625-08 (MW9H -	Water) - cont	. Sampled:	09/25/06 14:45					
Purgeable Petroleum Hydrocarbons - co		•						
Surr: a,a,a-Trifluorotoluene (63-134%)	86 %					10/07/06 06:37	SW846 8015B	6101303
Sample ID: NPI3625-09 (MW9I - V	Vater) Sample	ed: 09/25/	06 16:00					
Volatile Organic Compounds by EPA M	Acthod 8021B							
Benzene	ND		ug/L	0.50	1	10/07/06 07:09	SW846 8021B	6101303
Ethylbenzene	ND		ug/L	0,50	1	10/07/06 07:09	SW846 8021B	6101303
Toluene	ND		ug/L	0.50	j	10/07/06 07:09	SW846 8021B	6101303
Xylenes, total	ND		ug/L	0.50	i	10/07/06 07:09	SW846 8021B	6101303
Surr: a,a,a-Trifluorotoluene (63-134%)	86%		<b>U</b>	0.50	'	10/07/06 07:09	SW846 8021B	6101303
Volatile Organic Compounds by EPA M						10/07/08 07:09	317040 00210	0101303
Tert-Amyl Methyl Ether	ND		ug/L	0,500		10/00/07 02-24	DIVID 46 0060D	C101400
1,2-Dibromoethane (EDB)	ND		_	0,500	l ,	10/09/06 02:24	SW846 8260B	6101489
Ethanol	ND		ug/L	50.0	1	10/09/06 02:24	SW846 8260B	6101489
1,2-Dichloroethane	ND D		ug/L ug/L	0.500	=	10/09/06 02:24 10/09/06 02:24	SW846 8260B	6101489
Ethyl tert-Butyl Ether	ND		-	0.500	1		SW846 8260B	6101489
Diisopropyl Ether	ND		ug/L		1	10/09/06 02:24	SW846 8260B	6101489
Methyl tert-Butyl Ether	24.0	1D2	ug/L	0.500	1	10/09/06 02:24	SW846 8260B	6101489
Tertiary Butyl Alcohol	10300	102	ug/L	0.500	l	10/09/06 02:24	SW846 8260B	6101489
Surr: 1,2-Dichloroethane-d4 (70-130%)	98 %		ug/L	100	10	10/09/06 14:22	SW846 8260B	6101351
Surr: 1,2-Dichloroethane-d4 (70-130%)	90 % 92 %					10/09/06 02:24	SW846 8260B	6101489
Surr: Dibramafluoromethane (79-122%)	95 %					10/09/06 14:22 10/09/06 02:24	SW846 8260B SW846 8260B	6101351 6101489
Surr: Dibromofluoromethane (79-122%)	95%					10/09/06 02:24	SW846 8260B	6101351
Surr: Toluene-d8 (78-121%)	93 %					10/09/06 02:24	SW846 8260B	6101489
Surr: Toluene-d8 (78-121%)	102 %					10/09/06 14:22	SW846 8260B	6101351
Surr: 4-Bromofluorobenzene (78-126%)	100 %					10/09/06 02:24	SW846 8260B	6101489
Surr: 4-Bromofluorobenzene (78-126%)	101 %					10/09/06 14:22	SIY846 8260B	6101351
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	50.9		ug/L	50.0	ı	10/07/06 07:09	SW846 8015B	6101303
Surr: a,a,a-Trifluorotoluene (63-134%)	86 %		-			10/07/06 07:09	SW846 8015B	6101303





Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Atm Paula Sime

Work Order:

NPI3625

Project Name:

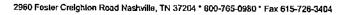
Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 229313X

09/28/06 08:00

# PROJECT QUALITY CONTROL DATA Blank

						<u> </u>	
Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time	
Volatile Organic Compounds by I	EPA Method 8021B						
6101000-BLK1							
Benzene	<0,42		ug/L	6101000	6101000-BLK1	10/06/06 05:02	
Ethylbenzene	<0,36		ug/L	6101000	6101000-BLK1	10/06/06 05:02	
Toluene	<0,36		ug/L	6101000	6101000-BLK1	10/06/06 05:02	
Xylenes, total	<0,36		ug/L	6101000	6101000-BLK1	10/06/06 05:02	
Surrogate: a,a,a-Trifluorotoluene	98%			6101000	6101000-BLK1	10/06/06 05:02	
6101000-BLK2							
Benzene	<0.42		ug/L	6101000	6101000-BLK2	10/06/06 05:17	
Ethylbenzene	< 0.36		ug/L	6101000	6101000-BLK2	10/06/06 05:17	
Tolucie	<0.36		ug/L	6101000	6101000-BLK2	10/06/06 05:17	
Xylenes, total	<0.36		ug/L	6101000	6101000-BLK2	10/06/06 05:17	
Surragate: a.a.a-Trifluorotoluene	109%			6101000	6101000-BLK2	10/06/06 05:17	
6101303-BLK1							
Benzene	<0.42		ug/L	6101303	6101303-BLK1	10/07/06 02:53	
Ethylbenzene	<0.36		ug/L	6101303	6101303-BLK1	10/07/06 02:53	
Toluenc	<0,36		ug/L	6101303	6101303-BLK1	10/07/06 02:53	
Xylenes, total	<0,36		սց/Լ	6101303	6101303-BLK1	10/07/06 02;53	
Surrogate: a,o,a-Trifluoratoluene	81%			6101303	6101303-BLK1	10/07/06 02;53	
Volatile Organic Compounds by	EPA Method 8260B						
6101304-BLK1							
Tert-Amyl Methyl Ether	<0,200		սջ/Լ	6101304	6101304-BLK1	10/08/06 23:52	
1,2-Dibromoethane (EDB)	<0.250		ug/L	610 304	6101304-BLK1	10/08/06 23:52	
Ethenol	<30.7		ug/L	6101304	6101304-BLK1	10/08/06 23:52	
1,2-Dichlorocthane	<0.390		ug/L	6101304	6101304-BLK1	10/08/06 23:52	
Ethyl tert-Butyl Ether	<0.200		ug/L	6101304	6101304-BLK1	10/08/06 23:52	
Diisopropyl Ether	< 0.200		ug/L	6101304	6101304-BLK1	10/08/06 23:52	
Methyl tert-Bulyl Ether	< 0.200		ug/L	6101304	6101304-BLK1	10/08/06 23:52	
Tertiary Butyl Alcohol	<5.06		ug/L	6101304	6101304-BLK1	10/08/06 23:52	
Surrogate: 1,2-Dichloroethane-d4	96%			6101304	6101304-BLK1	10/08/06 23:52	
Surrogate: Dibromofluoromethane	96%			6101304	6101304-BLK1	10/08/06 23:52	
Surrogate: Toluene-d8	94%			6101304	6101304-BLK1	10/08/06 23:52	
Surrogate: 4-Bromofluorobenzene	106%			6101304	6101304-BLK1	10/08/06 23:52	
Surrogate: 1,2-Dichloraethane-d4	96%			6101304	6101304-BLK1	10/08/06 23:52	
Surragate: Dibramofluoromethane	96%			6101304	6101304-BLK1	10/08/06 23:52	
Surrogate: Toluene-d8	94%			6101304	6101304-BLK [	10/08/06 23:52	
Surrogate: 4-Bromofluorohenzene	106%			6101304	6101304-BLK1	10/08/06 23:52	
6101351-BLK1							
Tert-Amyl Methyl Ether	<0.200		ug/L	6101351	6101351-BLK1	10/09/06 11:14	
1,2-Dibromoethane (EDB)	<0.250		ug/L	6101351	6101351-BLK1	10/09/06 11:14	





Client ERI Petaluma (10228)

Paula Sime

Alm

601 North McDowell Blvd.

Petaluma, CA 94954

Work Order:

NPI3625

Project Name:

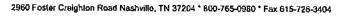
Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 229313X

ed: 09/28/06 08:00

# PROJECT QUALITY CONTROL DATA Blank - Cont.

						-
Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by I	EPA Method 8260B					
6101351-BLK1						
1,2-Dichloroethane	< 0.390		ug/L	6101351	6101351-BLK1	10/09/06 11:14
Ethyl tert-Butyl Ether	<0.200		ug/L	6101351	6101351-BLK1	10/09/06   11:14
Diisopropyl Ether	<0.200		ug/L	6101351	6101351-BLK1	10/09/06   11:14
Methyl tent-Butyl Ether	<0.200		ug/L	6101351	6101351-BLK1	10/09/06 11:14
Tertiary Butyl Alcohol	<5.06		ug/L	6101351	6101351-BLK1	10/09/06 11:14
Surrogate: 1,2-Dichloroethane-d4	87%			6101351	6101351-BLK1	10/09/06 11:14
Surrogate: Dibromofluoromethane	94%			6101351	6101351-BLK1	10/09/06 11:14
Surrogate: Tolucne-d8	101%			6101351	6101351-BLK1	10/09/06 11:14
Surrogate: 4-Bromofluorobenzene	105%			6101351	6101351-BLK1	10/09/06 11:14
6101489-BLK1						
Tert-Amyl Methyl Ether	<0.200		ug/L	6101489	6101489-BLK1	10/08/06 21:25
1,2-Dibromoethane (EDB)	<0.250		ug/L	6101489	6101489-BLK1	10/08/06 21:25
Ethanol	<30.7		ug/L	6101489	6101489-BLK1	10/08/06 21:25
1,2-Dichloroethane	<0.390		ug/L	6101489	6101489-BLK1	10/03/06 21:25
Ethyl tert-Butyl Ether	<0,200		ug/L	6101489	6101489-BLK1	10/08/06 21:25
Diisopropyl Ether	<0.200		ug/L	6101489	6101489-BLK1	10/08/06 21:25
Methyl tert-Butyl Ether	<0.200		ug/L	6101489	6101489-BLK1	10/08/06 21:25
Tertiary Butyl Alcohol	<5.06		ug/L	6101489	6101489-BLK1	10/08/06 21:25
Surrogate: 1,2-Dichloroethane-d4	96%			6101489	6101489-BLK1	10/08/06 21:25
Surrogate: Dibromofluoromethane	100%			6101489	6101489-BLK1	10/08/06 21:25
Surrogate: Toluene-d8	93%			6101489	6101489-BLK1	10/08/06 21:25
Surrogate: 4-Bromofluorobenzene	100%			6101489	6101489-BLK1	10/08/06 21:25
Surrogate: 1,2-Dichloroethanc-d4	96%			6101489	6101489-BLK1	10/08/06 21:25
Surrogate: Dibromofluoromethane	100%			6101489	6101489-BLK1	10/08/06 21:25
Surrogate: Taluene-d8	93%			6101489	6101489-BLK1	10/08/06 21:25
Surrogate: 4-Bromofluorobenzene	100%			6101489	6101489-BLK1	10/08/06 21:25
Purgeable Petroleum Hydrocarb	ons					
6101000-BLK1						
GRO as Gasoline	<39.0		ug/L	6101000	6101000-9LK1	10/06/06 05:02
Surrogate: a,a,a-Triffnorotoluenc	98%			6101000	6101000-BLK1	10/06/06 05:02
6101000-BLK2						
GRO as Gasoline	<39,0		ug/L	6101000	6101000-BLK2	10/06/06 05:17
Surrogate: a,a,a-Trifluorotoluene	109%			6101000	6101000-BLK2	10/06/06 05:17
6101303-BLK1						
GRO as Gasoline	<39,0		ug/L	6101303	6101303-BLK1	10/07/06 02:53
Surrogale: a,a,a-Trifluorotoluene	81%			6101303	6101303-BLK(	10/07/06 02;53





601 North McDowell Blvd.

Petaluma, CA 94954

Client ERI Petaluma (10228)

Atm Paula Sime

Work Order:

NPI3625

Project Name:

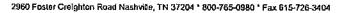
Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 229313X

09/28/06 08:00

# PROJECT QUALITY CONTROL DATA LCS

Benaces   100   94.3   1971.   94%   77 - 122   6101303   100706   10.5   Elaybenzee   100   97.6   197.6   197.6   197.5   197.5   17.12   1011303   100706   10.5   10	Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Targei Range	Batch	Analyzed Date/Time
Returner   100   92.8   107.   107.   107.   101.000   100.0000   100.0000   100.000   100.0000   100.0000   100.0000   100.0000   100.0000   10	Volatile Organic Compounds by E)	PA Method 8021B							
Ethylbeauene									
Baybenace   100   93.8   105   105   106   100	Benzene	100	92.8		ug/L	93%	77 - 122	6101000	10/06/06 11:00
Telucae   100   91.9   187   1	Ethylbenzene	100	93.8			94%			
Name	Toluene	100	91.9						
	Xylenes, total	200	187						
Benace   100	Sur <del>ro</del> gate: a,a,a-Trifluoratuluene	30.0	31,1		2				10/06/06 11:00
Ethyleenzene	6101303-BS1								
Taluene   100   99.0   ug/L   99%   74 - 121   6101.203   1007/06   10.5   Xylenes, tala   300   273   ug/L   91%   72 - 121   6101.203   1007/06   10.5   Surragetre , a.a. a-Trifluorateluene   30.0   26.1   ug/L   91%   72 - 121   6101.203   1007/06   10.5   Surragetre , a.a. a-Trifluorateluene   30.0   26.1   ug/L   100%   56 - 145   6101.203   1007/06   10.5    Volatile Organic Compounds by EPA Method 82608  6101304-BS1  Tert-Amyl Methyl Ether   50.0   50.1   ug/L   100%   56 - 145   6101.304   1008/06   22.5   Li2-Dichtorecthane   50.0   45.7   ug/L   97%   73 - 128   6101.304   1008/06   22.5   Ethyl tert-Bulyl Ether   50.0   57.0   ug/L   114%   64 - 141   6101.304   1008/06   22.5   Ethyl tert-Bulyl Ether   50.0   57.0   ug/L   117%   66 - 142   6101.304   1008/06   22.5   Ethyl tert-Bulyl Ether   50.0   57.0   ug/L   117%   66 - 142   6101.304   1008/06   22.5   Methyl tert-Bulyl Ether   50.0   57.0   ug/L   117%   66 - 142   6101.304   1008/06   22.5   Methyl tert-Bulyl Ether   50.0   57.0   ug/L   117%   66 - 142   6101.304   1008/06   22.5   Methyl tert-Bulyl Ether   50.0   57.0   ug/L   117%   66 - 142   6101.304   1008/06   22.5   Methyl tert-Bulyl Ether   50.0   57.4   ug/L   117%   42 - 154   6111.304   1008/06   22.5   Methyl tert-Bulyl Ether   50.0   57.4   ug/L   117%   47 - 13.1   6101.304   1008/06   22.5   Surraguite: Taliene-ell   50.0   51.7   103%   78 - 121   6101.304   1008/06   22.5   Surraguite: Taliene-ell   50.0   51.7   103%   78 - 121   6101.304   1008/06   22.5   Surraguite: Taliene-ell   50.0   51.7   103%   78 - 121   6101.304   1008/06   22.5   Surraguite: Taliene-ell   50.0   51.7   103%   78 - 121   6101.304   1008/06   22.5   Surraguite: Taliene-ell   50.0   51.7   103%   78 - 121   6101.304   1008/06   22.5   Surraguite: Taliene-ell   50.0   52.1   ug/L   99%   56 - 145   6101.304   1008/06   22.5   Surraguite: Taliene-ell   50.0   52.1   ug/L   99%   56 - 145   6101.304   1008/06   22.5   Surraguite: Taliene-ell   50.0   50.0   50.0   50.0   50.0   50.0   50.0   50.0   5	Benzene	100	94.3		ug/L	94%	77 - 122	6101303	10/07/06 10:5
Xylene, total   300   273   ug/L   91%   72. 121   6101303   1007/06   10.5	Ethylbenzene	100	97.6		ug/L	98%	77 - 121	6101303	10/07/06 10:51
Xylene, tsila	Toluene	100	99.0		ug/L	99%	74 - 121	6101303	10/07/06 10:51
Volatile Organic Compounds by EPA Method 8260B   Solution   Solu	Xylenes, total	300	273		ug/L	91%	72 - 121	6101303	10/07/06 10:51
Tert-Any) Methyl Ether	Surrogate: a,a,a-Trifluorotaluene	30.0	26.1			87%	63 - 134	6101303	10/07/06 10:51
Tert-Amyl Methyl Ether 50.0 50.1 ug/L 100% 56-145 6101304 10/08/06 22:5 1,2-Dirbonocethane (EDB) 50.0 43.7 ug/L 87% 75-128 6101304 10/08/06 22:5 Ethanel 50.0 50.0 58.90 ug/L 118% 48-164 6101304 10/08/06 22:5 Ethanel 50.0 48.3 ug/L 97% 74-131 6101304 10/08/06 22:5 Ethyl tert-Butyl Ether 50.0 57.0 ug/L 114% 64-141 6101304 10/08/06 22:5 Ethyl tert-Butyl Ether 50.0 53.6 ug/L 107% 73-135 6101304 10/08/06 22:5 Ethyl tert-Butyl Ether 50.0 53.6 ug/L 107% 66-142 6101304 10/08/06 22:5 Ethyl tert-Butyl Ether 50.0 50.0 50.6 ug/L 107% 66-142 6101304 10/08/06 22:5 Ethyl tert-Butyl Ether 50.0 50.0 50.6 ug/L 107% 66-142 6101304 10/08/06 22:5 Ethyl tert-Butyl Ether 50.0 50.0 50.6 ug/L 107% 66-142 6101304 10/08/06 22:5 Ethyl tert-Butyl Ether 50.0 50.0 50.6 ug/L 107% 66-142 6101304 10/08/06 22:5 Ethyl Ethyl Ether 50.0 50.0 50.6 ug/L 107% 66-142 6101304 10/08/06 22:5 Ethyl Ethyl Ether 50.0 50.0 50.6 ug/L 107% 66-142 6101304 10/08/06 22:5 Ethyl Ethyl Ether 50.0 50.0 50.1 17 100 100 100 100 100 100 100 100 100	Volatile Organic Compounds by E	PA Method 8260B							
1,2-Dibronoethane (EDB)   50.0   43.7   ug/L   87%   75 - 128   6101304   10/08/06 22:5	6101304-BS1								
1,2-Dibromoethame (EDB)   50.0   43.7   ug/L   87%   75 - 128   6101304   10/08/06 22:5	Tert-Amyl Methyl Ether	50.0	50.1		ug/L	100%	56 - 145	6101304	10/08/06 22:56
Ethanel	1,2-Dibromoethane (EDB)	50.0	43,7		=	87%	75 - 128		
1,2-Dichforcethane	Ethanol	5000	5890		=				
Ethyl tert-Bulyl Ether 50.0 57.0 ug/L 114% 64 - 141 6101304 10/08/06 22:5 Diisopropyl Ether 50.0 53.6 ug/L 107% 73 - 135 6101304 10/08/06 22:5 Methyl tert-Bulyl Ether 50.0 50.0 50.6 ug/L 101% 66 - 142 6101304 10/08/06 22:5 Methyl tert-Bulyl Ether 50.0 50.0 ug/L 101% 66 - 142 6101304 10/08/06 22:5 Surrogote: /,2-Dichloroethane-d4 50.0 46.1 ug/L 105% 70 - 130 6101304 10/08/06 22:5 Surrogote: /,2-Dichloroethane-d8 50.0 46.1 92% 70 - 130 6101304 10/08/06 22:5 Surrogote: /,2-Dichloroethane-d8 50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5 Surrogote: /,2-Dichloroethane-d4 50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5 Surrogote: /,2-Dichloroethane-d4 50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5 Surrogote: /,2-Dichloroethane-d4 50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5 Surrogote: /,2-Dichloroethane-d4 50.0 46.1 92% 70 - 130 6101304 10/08/06 22:5 Surrogote: /,2-Dichloroethane-d4 50.0 46.1 92% 70 - 130 6101304 10/08/06 22:5 Surrogote: /,2-Dichloroethane-d4 50.0 46.1 92% 70 - 130 6101304 10/08/06 22:5 Surrogote: /,2-Dichloroethane-d5 50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5 Surrogote: /,2-Dichloroethane-d5 50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5 Surrogote: /,2-Dichloroethane-6 50.0 52.1 104% 78 - 126 6101304 10/08/06 22:5 Surrogote: /,2-Dichloroethane-6 50.0 45.1 ug/L 90% 56 - 145 6101351 10/09/06 10.2 11.2-Dibmonellane (EDB) 50.0 56.2 ug/L 112% 75 - 128 6101351 10/09/06 10.2 11.2-Dibmonellane (EDB) 50.0 50.3 ug/L 90% 56 - 145 6101351 10/09/06 10.2 11.2-Dibmonellane (EDB) 50.0 41.3 ug/L 90% 56 - 142 6101351 10/09/06 10.2 11.2-Dibmonellane 60.0 50.0 41.3 ug/L 90% 66 - 142 6101351 10/09/06 10.2 50.0 50.0 41.3 ug/L 90% 66 - 142 6101351 10/09/06 10.2 50.0 50.0 41.3 ug/L 90% 66 - 142 6101351 10/09/06 10.2 50.0 50.0 41.3 ug/L 90% 66 - 142 6101351 10/09/06 10.2 50.0 50.0 41.3 ug/L 90% 66 - 142 6101351 10/09/06 10.2 50.0 50.0 41.3 ug/L 90% 66 - 142 6101351 10/09/06 10.2 50.0 50.0 41.4 ug/L 90% 66 - 142 6101351 10/09/06 10.2 50.0 50.0 50.0 41.4 ug/L 90% 60.2 50.0 50.0 41.4 ug/L 90% 60.2 50.0 50.0 50.0 50.0 50.0 50.0	1,2-Dichloroethane	50,0	48.3		•	97%			
Disopropyl Ether 50.0 53.6 ug/L 107% 73 - 135 6101304 10708706 22:5 Methyl tert-Bunyl Ether 50.0 50.6 ug/L 10114 66 - 142 6101304 10708706 22:5 Tertiary Buryl Alcohol 500 574 ug/L 115% 42 - 154 6101304 10708706 22:5 Surrogate: //2-Dichloroethane-d4 50.0 46.1 92% 70 - 130 6101304 10708706 22:5 Surrogate: Dibromofluoromethane 50.0 46.1 92% 73 - 124 6101304 10708706 22:5 Surrogate: Taluene-d8 50.0 51.7 103% 78 - 121 6101304 10708706 22:5 Surrogate: A-Bromofluorobenzene 50.0 52.1 104% 78 - 126 6101304 10708706 22:5 Surrogate: A-Bromofluorobenzene 50.0 46.1 92% 70 - 130 6101304 10708706 22:5 Surrogate: A-Bromofluorobenzene 50.0 46.1 92% 70 - 130 6101304 10708706 22:5 Surrogate: A-Bromofluorobenzene 50.0 46.1 92% 70 - 130 6101304 10708706 22:5 Surrogate: 1,2-Dichloroethane-d4 50.0 46.1 92% 70 - 130 6101304 10708706 22:5 Surrogate: 1,2-Dichloroethane-d8 50.0 51.7 103% 78 - 121 6101304 10708706 22:5 Surrogate: Toluene-d8 50.0 51.7 103% 78 - 121 6101304 10708706 22:5 Surrogate: A-Bromofluorobenzene 50.0 52.1 104% 78 - 126 6101304 10708706 22:5 Surrogate: Toluene-d8 50.0 50.0 51.7 103% 78 - 121 6101304 10708706 22:5 Surrogate: Toluene-d8 50.0 50.0 51.7 103% 78 - 121 6101304 10708706 22:5 Surrogate: Toluene-d8 50.0 50.0 50.1 104% 78 - 126 6101304 10708706 22:5 Surrogate: Toluene-d8 50.0 50.0 50.1 104% 78 - 126 6101304 10708706 62:5 Surrogate: Toluene-d8 50.0 50.0 50.1 104% 78 - 126 6101351 10709706 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2	Ethyl tert-Butyl Ether	50,0	57.0		=				
Methyl Lett-Butyl Ether         50.0         50.6         ug/L         101%         66 - 142         6101304         1008/06 22:5           Tertiary Butyl Alcohol         500         574         ug/L         115%         42 - 154         6101304         100/806 22:5           Surrogate: J.2-Dichloroethane-d4         50.0         46.1         92%         70 - 130         6101304         10/88/06 22:5           Surrogate: Dibromofluoromethane         50.0         51.7         103%         78 - 121         6101304         10/88/06 22:5           Surrogate: A-Bromofluorobenzene         50.0         52.1         104%         78 - 126         6101304         10/88/06 22:5           Surrogate: J.2-Dichloroethane-d4         50.0         46.1         92%         70 - 130         6101304         10/08/06 22:5           Surrogate: J.2-Dichloroethane-d4         50.0         46.1         92%         70 - 130         6101304         10/08/06 22:5           Surrogate: Dibromofluoromethane         50.0         51.7         103%         78 - 121         6101304         10/08/06 22:5           Surrogate: Toluene-d8         50.0         51.7         103%         78 - 121         6101304         10/08/06 22:5           6101351-1         50.0         51.7	Diisopropyl Ether	50.0	53.6		•				
Tertiary Butyl Alcohol 500 574 ug/L 115% 42 - 154 6101304 10/08/06 22:5 Surrogate: 1,2-Dichloroethane-d4 50.0 46.1 92% 70 - 130 6101304 10/08/06 22:5 Surrogate: Dibromofluoromethane 50.0 46.1 92% 73 - 124 6101304 10/08/06 22:5 Surrogate: Taluenc-d8 50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5 Surrogate: Taluenc-d8 50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5 Surrogate: Taluenc-d8 50.0 52.1 104% 78 - 126 6101304 10/08/06 22:5 Surrogate: J.2-Dichloroethane-d4 50.0 46.1 92% 70 - 130 6101304 10/08/06 22:5 Surrogate: J.2-Dichloroethane-d4 50.0 46.1 92% 70 - 130 6101304 10/08/06 22:5 Surrogate: Dibromofluoromethane 50.0 46.1 92% 79 - 122 6101304 10/08/06 22:5 Surrogate: Toluenc-d8 50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5 Surrogate: Toluenc-d8 50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5 Surrogate: Toluenc-d8 50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5 Surrogate: Toluenc-d8 50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5 Surrogate: Toluenc-d8 50.0 50.0 52.1 104% 78 - 126 6101304 10/08/06 22:5 Surrogate: Toluenc-d8 50.0 45.1 10.0 10.0 10.0 10.0 10.0 10.0 10.0 1	Methyl tert-Butyl Ether	50.0	50.6		•				
Surrogate: 1,2-Dichloroethane-d4         50.0         46.1         92%         70 - 130         6101304         10/08/06         22.5           Surrogate: Dibromofluoromethane         50.0         51.7         103%         78 - 121         6101304         10/08/06         22.5           Surrogate: Taluene-d8         50.0         51.7         103%         78 - 121         6101304         10/08/06         22.5           Surrogate: A-Bromofluorobenzene         50.0         46.1         92%         70 - 130         6101304         10/08/06         22.5           Surrogate: 1,2-Dichloroethane-d4         50.0         46.1         92%         70 - 130         6101304         10/08/06         22.5           Surrogate: Dibromofluoromethane         50.0         46.1         92%         70 - 122         6101304         10/08/06         22.5           Surrogate: Toluene-d8         50.0         51.7         103%         78 - 121         6101304         10/08/06         22.5           Surrogate: Heromofluorobenzene         50.0         51.7         103%         78 - 126         6101304         10/08/06         22.5           6101351-BS1         Tert-Amyl Methyl Ether         50.0         45.1         ug/l         90%         56 - 145	Tertiary Butyl Alcohol	500	574		_				
Surrogate: Dibromofluoromethane  50.0 46.1 92% 73 - 124 6101304 10/08/06 22:5 Surrogate: Taluene-d8  50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5 Surrogate: 4-Bromofluorobenzene  50.0 52.1 104% 78 - 126 6101304 10/08/06 22:5 Surrogate: 1,2-Dichloroethane-d4  50.0 46.1 92% 70 - 130 6101304 10/08/06 22:5 Surrogate: 1,2-Dichloroethane-d8  50.0 46.1 92% 79 - 122 6101304 10/08/06 22:5 Surrogate: Dibromofluoromethane  50.0 46.1 92% 79 - 122 6101304 10/08/06 22:5 Surrogate: Toluene-d8  50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5 Surrogate: 4-Bromofluorobenzene  50.0 52.1 104% 78 - 126 6101304 10/08/06 22:5  6101351-BS1  Tert-Amyl Methyl Ether  50.0 45.1 ug/L 90% 56 - 145 6101351 10/09/06 10:2 1,2-Dichloroethane  50.0 41.5 ug/L 83% 74 - 131 6101351 10/09/06 10:2 1,2-Dichloroethane  50.0 41.5 ug/L 83% 74 - 131 6101351 10/09/06 10:2 Ethyl tert-Butyl Ether  50.0 44.3 ug/L 89% 73 - 135 6101351 10/09/06 10:2 Diisopropyl Ether  50.0 438 ug/L 88% 42 - 154 6101351 10/09/06 10:2 Surrogate: 1,2-Dichloroethane-d4  50.0 438 ug/L 88% 42 - 154 6101351 10/09/06 10:2 Surrogate: 1,2-Dichloroethane-d4  50.0 46.4 ug/L 88% 42 - 154 6101351 10/09/06 10:2	Surrogate: 1,2-Dichloroethane-d4	50.0	46.1		-&-				
Surrogate: Taluene-d8         50.0         51.7         103%         78-121         6101304         10/08/06 22:5           Surrogate: 4-Bromofluorobenzene         50.0         52.1         104%         78-126         6101304         10/08/06 22:5           Surrogate: 1,2-Dichlorocthane-d4         50.0         46.1         92½         70-130         6101304         10/08/06 22:5           Surrogate: Dibromofluoromethane         50.0         46.1         92½         79-122         6101304         10/08/06 22:5           Surrogate: Toluene-d8         50.0         51.7         103%         78-121         6101304         10/08/06 22:5           Surrogate: Toluene-d8         50.0         51.7         104%         78-126         6101304         10/08/06 22:5           Surrogate: A-Bromofluorobenzene         50.0         52.1         104%         78-126         6101304         10/08/06 22:5           6101351-BS1         100         50.0         45.1         ug/L         90%         56-145         6101351         10/08/06 10:2           1,2-Dichloroethane         50.0         45.1         ug/L         90%         56-145         6101351         10/09/06 10:2           Ethyl tert-Butyl Ether         50.0         41.5         ug/L	Surrogate: Dibromofluoromethane	50.0							
Surrogate: 4-Bromofluorobenzene         50.0         52.1         104%         78 - 126         6101304         10/08/06 22:5           Surrogate: 1,2-Dichlorocthane-d4         50.0         46.1         92½         70 - 130         6101304         10/08/06 22:5           Surrogate: Dibromofluoromethane         50.0         46.1         92½         79 - 122         6101304         10/08/06 22:5           Surrogate: Toluene-d8         50.0         51.7         103%         78 - 121         6101304         10/08/06 22:5           Surrogate: 4-Bromofluorobenzene         50.0         52.1         104%         78 - 126         6101304         10/08/06 22:5           6101351-BS1         Tert-Amyl Methyl Ether         50.0         45.1         ug/L         90%         56 - 145         6101351         10/09/06 10:2           1,2-Dichloroethane (EDB)         50.0         45.1         ug/L         83%         74 - 131         6101351         10/09/06 10:2           Ethyl tert-Butyl Ether         50.0         41.5         ug/L         83%         74 - 131         6101351         10/09/06 10:2           Methyl tert-Butyl Ether         50.0         44.3         ug/L         89%         73 - 135         6101351         10/09/06 10:2 <t< td=""><td>Surrogate: Toluene-d8</td><td>50.0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Surrogate: Toluene-d8	50.0							
Surrogate: 1,2-Dichlorocthane-d4   S0.0   46.1   92%   70-130   6101304   10/08/06 22:5	Surrogate: 4-Bromofluorobenzene								
Surrogate: Dibromofluoromethone 50.0 46.1 92% 79 - 122 6101304 10/08/06 22:5 Surrogate: Tolurane-d8 50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5 Surrogate: 4-Bromofluorobenzene 50.0 52.1 103% 78 - 121 6101304 10/08/06 22:5 Surrogate: 4-Bromofluorobenzene 50.0 52.1 104% 78 - 126 6101304 10/08/06 22:5 Colored to the surrogate: 4-Bromofluorobenzene 50.0 52.1 104% 78 - 126 6101304 10/08/06 22:5 Colored to the surrogate: 4-Bromofluorobenzene 50.0 45.1 108/1. 108/1	_ ,								
Surrogate: Toluene-d8 50.0 51.7 103% 78 - 121 6101304 10/08/06 22:5  Surrogate: 4-Bromofluorobenzene 50.0 52.1 104% 78 - 126 6101304 10/08/06 22:5  6101351-BS1  Tert-Amyl Methyl Ether 50.0 45.1 ug/L 90% 56 - 145 6101351 10/09/06 10:2 1,2-Dibromoethane (EDB) 50.0 56.2 ug/L 112% 75 - 128 6101351 10/09/06 10:2 1,2-Dichloroethane 50.0 41.5 ug/L 83% 74 - 131 6101351 10/09/06 10:2 Ethyl tert-Butyl Ether 50.0 50.3 ug/L 101% 64 - 141 6101351 10/09/06 10:2 Diisopropyl Ether 50.0 44.3 ug/L 89% 73 - 135 6101351 10/09/06 10:2 Methyl tert-Butyl Ether 50.0 47.3 ug/L 95% 66 - 142 6101351 10/09/06 10:2  Methyl tert-Butyl Ether 50.0 47.3 ug/L 95% 66 - 142 6101351 10/09/06 10:2  Tertiary Butyl Alcohol 500 438 ug/L 88% 42 - 154 6101351 10/09/06 10:2  Surrogate: 1,2-Dichloroethane-d4 50.0 46.4 93% 70 - 130 6101351 10/09/06 10:2		50.0							
Surrogate: 4-Bromofluorobenzene 50.0 52.1 104% 78 - 126 6101304 10/08/06 22:5  6101351-BS1  Tert-Amyl Methyl Ether 50.0 45.1 ug/L 90% 56 - 145 6101351 10/09/06 10:2 1,2-Dibromoethane (EDB) 50.0 56.2 ug/L 112% 75 - 128 6101351 10/09/06 10:2 1,2-Dichloroethane 50.0 41.5 ug/L 83% 74 - 131 6101351 10/09/06 10:2 Ethyl tert-Butyl Ether 50.0 50.3 ug/L 101% 64 - 141 6101351 10/09/06 10:2 Diisopropyl Ether 50.0 44.3 ug/L 89% 73 - 135 6101351 10/09/06 10:2 Methyl tert-Butyl Ether 50.0 47.3 ug/L 95% 66 - 142 6101351 10/09/06 10:2 Tertiary Butyl Alcohol 500 438 ug/L 88% 42 - 154 6101351 10/09/06 10:2 Surrogate: 1,2-Dichloroethane-d4 50.0 46.4 93% 70 - 130 6101351 10/09/06 10:2	Surrogate: Tolucne-d8								
Tert-Amyl Methyl Ether 50.0 45.1 ug/L 90% 56 - 145 6101351 10/09/06 10:2 1,2-Dibramoethane (EDB) 50.0 56.2 ug/L 112% 75 - 128 6101351 10/09/06 10:2 1,2-Dichloroethane 50.0 41.5 ug/L 83% 74 - 131 6101351 10/09/06 10:2 Ethyl tert-Butyl Ether 50.0 50.3 ug/L 101% 64 - 141 6101351 10/09/06 10:2 Diisopropyl Ether 50.0 44.3 ug/L 89% 73 - 135 6101351 10/09/06 10:2 Methyl tert-Butyl Ether 50.0 47.3 ug/L 95% 66 - 142 6101351 10/09/06 10:2 Tertiary Butyl Alcohol 500 438 ug/L 88% 42 - 154 6101351 10/09/06 10:2 Surrogate: 1,2-Dichloroethane-d4 50.0 46.4 93% 70 - 130 6101351 10/09/06 10:2	Surrogate: 4-Bromofluoro benzene								10/08/06 22:50
Tert-Amyl Methyl Ether 50.0 45.1 ug/L 90% 56 - 145 6101351 10/09/06 10:2 1,2-Dibramoethane (EDB) 50.0 56.2 ug/L 112% 75 - 128 6101351 10/09/06 10:2 1,2-Dichloroethane 50.0 41.5 ug/L 83% 74 - 131 6101351 10/09/06 10:2 Ethyl tert-Butyl Ether 50.0 50.3 ug/L 101% 64 - 141 6101351 10/09/06 10:2 Diisopropyl Ether 50.0 44.3 ug/L 89% 73 - 135 6101351 10/09/06 10:2 Methyl tert-Butyl Ether 50.0 47.3 ug/L 95% 66 - 142 6101351 10/09/06 10:2 Tertiary Butyl Alcohol 500 438 ug/L 88% 42 - 154 6101351 10/09/06 10:2 Surrogate: 1,2-Dichloroethane-d4 50.0 46.4 93% 70 - 130 6101351 10/09/06 10:2	6101351-BS1								
1,2-Dibromoethane (EDB) 50.0 56.2 ug/L 112% 75 - 128 6101351 10/09/06 10:2 1,2-Dichloroethane 50.0 41.5 ug/L 83% 74 - 131 6101351 10/09/06 10:2 Ethyl tert-Butyl Ether 50.0 50.3 ug/L 101% 64 - 141 6101351 10/09/06 10:2 Diisopropyl Ether 50.0 44.3 ug/L 89% 73 - 135 6101351 10/09/06 10:2 Methyl tert-Butyl Ether 50.0 47.3 ug/L 95% 66 - 142 6101351 10/09/06 10:2 Tertiary Butyl Alcohol 500 438 ug/L 88% 42 - 154 6101351 10/09/06 10:2 Surrogate: 1,2-Dichloroethane-d4 50.0 46.4 93% 70 - 130 6101351 10/09/06 10:2		50.0	45.1		ug/L	90%	56 - 145	6101351	10/09/06 10:24
1,2-Dichloroethane 50.0 41.5 ug/L 83% 74 - 131 6101351 10/09/06 10:2 Ethyl tert-Butyl Ether 50.0 50.3 ug/L 101% 64 - 141 6101351 10/09/06 10:2 Diisopropyl Ether 50.0 44.3 ug/L 89% 73 - 135 6101351 10/09/06 10:2 Methyl tert-Butyl Ether 50.0 47.3 ug/L 95% 66 - 142 6101351 10/09/06 10:2 Tertiary Butyl Alcohol 500 438 ug/L 88% 42 - 154 6101351 10/09/06 10:2 Surrogate: 1,2-Dichloroethane-d4 50.0 46.4 93% 70 - 130 6101351 10/09/06 10:2	1,2-Dibrumoethane (EDB)				_				
Ethyl tert-Butyl Ether 50.0 50.3 ug/L 101% 64 - 141 6101351 10/09/06 10:2  Diisopropyl Ether 50.0 44.3 ug/L 89% 73 - 135 6101351 10/09/06 10:2  Methyl tert-Butyl Ether 50.0 47.3 ug/L 95% 66 - 142 6101351 10/09/06 10:2  Tertiary Butyl Alcohol 500 438 ug/L 88% 42 - 154 6101351 10/09/06 10:2  Surrogate: 1,2-Dichlaroethane-d4 50.0 46.4 93% 70 - 130 6101351 10/09/06 10:2	1,2-Dichloroethane								
Diisopropyl Ether 50.0 44.3 ug/L 89% 73 - 135 6101351 10/09/06 10:2  Methyl tert-Butyl Ether 50.0 47.3 ug/L 95% 66 - 142 6101351 10/09/06 10:2  Tertiary Butyl Alcohol 500 438 ug/L 88% 42 - 154 6101351 10/09/06 10:2  Surrogate: 1,2-Dichlaroethane-d4 50.0 46.4 93% 70 - 130 6101351 10/09/06 10:2	Ethyl tert-Butyl Ether				-				
Methyl tert-Butyl Ether         50.0         47.3         ug/L         95%         66 - 142         6101351         10/09/06 10:2           Tertiary Butyl Alcohol         500         438         ug/L         88%         42 - 154         6101351         10/09/06 10:2           Surrogate: 1,2-Dichloroethone-d4         50.0         46.4         93%         70 - 130         6101351         10/09/06 10:2           Surrogate: Dibrary fluorogathous         50.0         46.4         93%         70 - 130         6101351         10/09/06 10:2	Diisopropyl Ether								
Tertiary Butyl Alcohol 500 438 ug/L 88% 42 - 154 6101351 10/09/06 10:2  Surrogate: 1,2-Dichloroethone-d4 50.0 46.4 93% 70 - 130 6101351 10/09/06 10:2					=				
Surrogate: 1,2-Dichlaroethane-d4 50.0 46.4 93% 70 - 130 6101351 10/09/06 10:2	•				•				
Supposed Silver durantees 500					og/L				
	Surrogate: Dibromofluoromethane	50,0	46.0			93% 92%	70 - 130 79 - 122	6101351	10/09/06 10:2





Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paulo Simo

Alta

Work Order:

NP13625

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 229313X

99/28/06 08:00

# PROJECT QUALITY CONTROL DATA LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by El	DA Mathad 9740D		· · · · ·					
• • •	r A Method 62006							
6101351-BS1 Surrogate: Tolucne-d8	50,0	\$1.8			15.56	<b>50</b> 151		
Surrogate: 4-Bromofluorobenzene	50,0	51.8 51.2			104% 102%	78 - 121 78 - 126	6101351	10/09/06 10:24
Sarroguie, 4-Bromojniorovenzene	20,0	31.2			10278	/6 - 120	6101351	10/09/06 10:24
6101489-BS1								
Tert-Amyl Methyl Ether	50.0	52,1		цg/L	104%	56 - 145	6101489	10/08/06 20:35
1,2-Dibromoethane (EDB)	50.0	57,0		ug/L	114%	75 - 128	6101489	10/08/06 20:35
Ethanol	5000	4180		ug/L	84%	48 - 164	6101489	10/08/06 20:35
1,2-Dichloroethane	50.0	55.2		ug/L	110%	74 - 131	6101489	10/08/06 20:35
Ethyl tert-Butyl Ether	50,0	58.9		ug/L	118%	64 - 141	6101489	10/08/06 20:35
Diisopropyl Ether	50,0	52.6		ug/L	105%	73 - 135	6101489	10/08/06 20:35
Methyl tert-Butyl Ether	50.0	57.1		ug/L	114%	66 - 142	6101489	10/08/06 20:35
Tertiary Butyl Alcohol	500	481		ug/L	96%	42 - 154	6101489	10/08/06 20:35
Surragate: 1,2-Dichloroethane-d4	50.0	47,6			95%	70 - 130	6101489	10/08/06 20:35
Surrogate: Dibramofluoromethane	50.0	47.6			95%	73 - 124	6101489	10/08/06 20:35
Surrogate: Toluene-d8	50.0	47.4			95%	78 - 121	6101489	10/08/06 20:35
Surrogate: 4-Bromofluorobenzene	50,0	48.2			96%	78 - 126	6101489	10/08/06 20:35
Surrogate: 1,2-Dichloroethane-d4	50,0	47.6			95%	70 - 130	6101489	10/08/06 20:35
Surrogate: Dibromofluoromethane	50.0	47.6			95%	79 - 12 <b>2</b>	6101489	10/08/06 20:35
Surrogate: Taluene-d8	50.0	47.4			95%	75 - 121	6101489	10/08/06 20:35
Surrogate: 4-Bromofluorohenzenc	50.0	48.2			96%	78 - 126	6101489	10/08/06 20:35
Purgeable Petroleum Hydrocarbon	ns							
6101000-BS2								
GRO as Gasoline	1000	B78		ug/L	88%	68 - 128	6101000	10/06/06 11:30
Surrogate: a,a,a-Trifluorotaluene	30.0	31.5			105%	63 - 134	6101000	10/06/06 11:30
6101303-BS2								
GRO as Gasoline	1000	838		ug/L	84%	68 - 128	6101303	10/07/06 11:23
Surrogate: a,a,a-Trifluorotoluene	30.0	29.7			99%	63 - 134	6101303	10/07/06 11:23



2960 Foster Creighton Road Nashville, TN 37204 \* 800-765-0980 \* Fax 615-726-3404

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Atm Paula Sime

Work Order:

NP13625

Project Name:

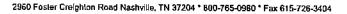
Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 229313X

09/28/06 08:00

# PROJECT QUALITY CONTROL DATA LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Cont	% Rec.	Target Range		Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA	Method 8	021B										
6101000-BSD1												
Benzene		92.7		ug/L	100	93%	77 - 122	0,1	33	6101000		10/06/06 11:15
Ethylbenzene		93.7		цg/L	100	94%	77 - 121	0,1	35	6101000		10/06/06 11:15
Toluene		92.1		ug/L	100	92%	74 - 121	0.2	33	6101000		10/06/06 11:15
Xylones, total		186		ug/L	200	93%	72 - 121	0.5	35	6101000		10/06/06 11:15
Surrogale: a,a,a-Trifluorotolucne		34.4		ug/L	30.0	115%	63 - 134			6101000		10/06/06 11:15
Purgeable Petrolcum Hydrocarbons												
6101000-BSD2												
GRO as Gasoline		853		ug/L	1000	85%	68 - 128	3	27	6101000		10/06/06   :44
Surrogate: a,a,a-Trifluorotoluene		34.5		ug/L	30.0	115%	63 - 134			6101000		10/06/06   :44





Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime

Attn

Work Order:

NP13625

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number:

229313X

Received:

09/28/06 08:00

# PROJECT QUALITY CONTROL DATA Matrix Spike

			114	тип іх орі	ike					
Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by I	EPA Method 802	 1R								
6101303-MS1										
Benzene	ND	45.8		ug/L	50,0	92%	50 - 159	6101303	NPI3625-03	10/07/06 08:44
Ethylbenzene	ND	45,5		ug/L	50.0	91%	50 - 155	6101303	NPI3625-03	10/07/06 08:44
Toluene	ND	46,9		ug/L	50.0	94%	57 - 150	6101303	NPI3625-03	10/07/06 08:44
Xylenes, total	0.0400	130		ug/L	150	87%	48 - 151	6101303	NPI3625-03	10/07/06 08:44
Surrogate: a,a,a-Trifluorotoluene		26.4		ug/L	30.0	88%	63 - 134	6101303	NP13625-03	10/07/06 08:44
Volatile Organic Compounds by I	EPA Method 826	0B								
6101304-MS1										
Tert-Amyl Methyl Ether	ND	48.5		ug/L	50.0	97%	45 - 155	6101304	NP13307-04	10/09/06 09:03
1,2-Dibromoethane (EDB)	ND	46.6		ug/L	50.0	93%	71 - 138	6101304	NPI3307-04	10/09/06 09:03
Ethanol	ND	5670		пб\Г	5000	113%	36 - 177	6101304	NPI3307-04	10/09/06 09:03
1,2-Dichloroethane	ND	54.5		цg∕П.	50.0	109%	70 - 140	6101304	NPI3307-04	10/09/06 09:03
Ethyl tert-Butyl Ether	ND	56.2		ug/L	50.0	112%	57 ~ 148	6101304	NII3307-04	10/09/06 09:03
Diisopropyl Ether	ND	55.4		ug/L	50.0	111%	67 - 143	6101304	NP13307-04	10/09/06 09:03
Methyl tert-Butyl Ether	ND	49.7		ug/L	50.0	99%	55 - 152	6101304	NP33307-04	10/09/06 09:03
Tertiary Butyl Alcohol	ND	578		սց/L	500	116%	19 - 183	6101304	NP13307-04	10/09/06 09:03
Surrogate: 1,2-Dichloroethanc-d4		49.3		ug/L	50.0	99%	70 - 130	6101304	NP13307-04	10/09/06 09:03
Surrogale: Dibromofluoromethane		49.1		цg/L	50.0	98%	73 - 124	6101304	NP13307-04	10/09/06 09:03
Surrogate: Toluene-d8		54.1		ug/L	50.0	108%	78 - 121	6101304	NP13307-04	10/09/06 09:03
Surragate: 4-Bromofluoro benzene		48.9		ug/L	50.0	98%	78 - 126	6101304	NPI3307-04	10/09/06 09:03
Surrogate: 1,2-Dichloroethane-d4		49.3		ug/L	50.0	99%	70 - 130	6101304	NPI3307-04	10/09/06 09:03
Surrogate: Dibromofluoromethane		49.1		ug/L	50,0	98%	79 - 122	6101304	NPI3307-04	10/09/06 09:03
Surrogate: Toluene-d8		54.1		ug/L	50,0	108%	78 - 121	6101304	NP13307-04	10/09/06 09:03
Surrogate: 4-Bromofluorobenzene		48,9		ug/L	50,0	98%	78 - 126	6101304	NP13307-04	10/09/06 09:03
6101351-MS1										
Tert-Amyl Methyl Ether	ND	43,5		ug/L	50.0	87%	45 - 155	6101351	NPJ0132-02	10/09/06 20:11
1,2-Dibromoethane (EDB)	ND	53.7		ug/L	50.0	107%	71 - 138	6101351	NPJ0132-02	10/09/06 20:11
1,2-Dichloroethane	46.7	82.6		ug/L	50,0	72%	70 - 140	6101351	NPJ0132-02	10/09/06 20:11
Ethyl tert-Butyl Ether	ND	46.6		ug/L	50.0	93%	57 - 148	6101351	NPJ0132-02	10/09/06 20:11
Diisopropyl Ether	ND	42.8		սց∕Ն	50.0	86%	67 - 143	6101351	NPJ0132-02	10/09/06 20:11
Methyl tert-Butyl Ether	102	141		ug/l.	50,0	78%	55 - 152	6101351	NPJ0132-02	10/09/06 20:11
Terriary Butyl Alcohol	359	734		ug/L	500	75%	19 - 183	610135	NPJ0132-02	10/09/06 20:11
Surrogate: 1,2-Dichloroethane-d4		44.4		цg/L	50.0	89%	70 - 130	6101351	NPJ0132-02	10/09/06 20:11
Surrogate: Dibronofluoromethane		43,4		ug/L	50.0	87%	79 - 122	6101351	NPJ0132-02	10/09/06 20:11
Surrogate: Toluene-d8		49.9		ug∕I.	50.0	100%	78 - 121	6101351	NPJ0132-02	10/09/06 20:11
Surrogate: 4-Bromofluorobenzene		49.0		սջ/Լ	50.0	98%	78 - 126	6101351	NPJ0132-02	10/09/06 20:11
				_			_			





Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NPI3625

Project Name:

Exxon(06) 7-0238 PO;4507207187

Project Number:

229313X

Received: 09/28/06 08:00

## PROJECT QUALITY CONTROL DATA Matrix Spike - Cont.

<del></del>				<del></del>					
Analyte	Orig. Val.	MS Val	Q Uni	ls Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by 1	EPA Method 826	0B							
6101489-MS1									
Tert-Amyl Methyl Ether	ND	49.0	ug/	L 50.0	98%	45 - 155	6101489	NP13685-01	10/09/06 05:43
1,2-Dibromoethane (EDB)	ND	52,1	ug/	L 50.0	104%	71 - 138	6101489	NP13685-01	10/09/06 05:43
Ethanol	ND	3950	ug/	L 5000	79%	36 - 177	6101489	NP13685-01	10/09/06 05:43
1,2-Dichloroethane	ND	47.6	ug/	L 50.0	95%	70 - 140	6101489	NPI3685-01	10/09/06 05:43
Ethyl tert-Butyl Ether	ND	54,7	ug/	L 50.0	109%	57 - 148	6101489	NPI3685-01	10/09/06 05:43
Diisopropyl Ether	ND	48.7	п8/	L 50.0	97%	67 - 143	6101489	NP13685-01	10/09/06 05:43
Methyl tert-Butyl Ether	6.97	61,0	<b>ug/</b>	L 50.0	108%	55 - 152	6101489	NP13685-01	10/09/06 05:43
Tertiary Butyl Alcohol	ND	435	ug/	L 500	87%	19 - 183	6101489	NP13685-01	10/09/06 05:43
Surrogate: 1,2-Dichloroethane-d4		44,2	ug/	L 50.0	88%	70 - 130	6101489	NP13685-01	10/09/06 05:43
Surrogate: Dibromofluoromethane		45.9	ug/	L 50.0	92%	73 - 124	6101489	NP13685-01	10/09/06 05:43
Surrogate: Toluenc-d8		46.7	ug/	L 50.0	93%	78 - 121	6101489	NPI3685-01	10/09/06 05:43
Surrogate: 4-Bromofluorobenzene		49,6	ug/	L 50.0	99%	78 - 126	6101489	NPI3685-01	10/09/06 05:43
Surrogate: 1,2-Dichloroethane-d4		44.2	ug/	L 50.0	88%	70 - 130	6101489	NPI3685-01	10/09/06 05:43
Surrogate: Dibromofluoromethane		45.9	ug/	L 50.0	92%	79 - 122	6101489	NPI3685-01	10/09/06 05:43
Surragate: Toluene-d8		46.7	ug/	L 50,0	93%	78 - 121	6101489	NPI3685-01	10/09/06 05:43
Surrogote: 4-Bromofluorobenzene		49.6	ug/	L 50.0	99%	78 - 126	6101489	NP13685-01	10/09/06 05:43
Purgeable Petroleum Hydrocarbo	ons								
6101000-MS1									
GRO as Gasoline	67.4	746	ug/	L 1000	68%	43 - 146	6101000	NP13395-01	10/06/06 10:31
Surrogate: a,a,a-Trifluorotoluene		31.1	ug/	L 30.0	104%	63 - 134	6101000	NP13395-01	10/06/06 10:31



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Simo

Work Order:

NPI3625

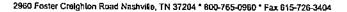
Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 229313X 09/28/06 08:00

## PROJECT QUALITY CONTROL DATA Matrix Spike Dup

			Matrix S <sub>1</sub>	pike Du <sub>l</sub>	p						
Analyte	Orig. Val.	Duplicate	Q Units	Spike Conc	% Rcc.	Turget Range	krd	Limît	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by	EPA Method 8	B021B									
6101303-MSD1											
Benzene	ND	42,5	սը∕L	50.0	85%	50 - 159	7	33	6101303	NP13625-03	10/07/06 09:16
Ethylbenzene	ND	44.0	սջ∕L	50.0	88%	50 - 155	3	35	6101303	NP13625-03	10/07/06 09:16
Toluene	ND	44.2	սք/L	50.0	88%	57 - 150	6	33	6101303	NP13625-03	10/07/06 09:16
Xylenes, total	0.0400	125	սը/Լ	150	83%	48 - 151	4	35	6101303	NPI3625-03	10/07/06 09:14
Surrogate: a,a,a-Trifluorotoluenc		26.7	ug/L	30.0	89%	63 - 134			6101303	NPI3625-03	10/07/06 09:16
Volatile Organic Compounds by	EPA Method !	8260B									
6101304-MSD1											
Tert-Amyl Methyl Ether	ND	52.8	սց∕ե	50.0	106%	45 - 155	8	24	6101304	NPI3307-04	10/09/06 09:3
1,2-Dibromoethane (EDB)	ND	46,4	ug/L	50.0	93%	71 - 138	0.4	27	6101304	NPI3307-04	10/09/06 09:3
Ethanol	ND	6550	ug/L	5000	131%	36 - 177	14	45	6101304	NPI3307-04	10/09/06 09:3
1,2-Dichloroethane	ND	56.4	ug/L	50.0	113%	70 - 140	3	21	6101304	NPI3307-04	10/09/06 09:3
Ethyl tert-Butyl Ether	ND	60.9	ug/L	\$0.0	122%	57 - 148	8	22	6101304	NP13307-04	10/09/06 09:3
Diisopropyl Ether	ND	60.1	ug/L	50,0	120%	67 - 143	8	22	6101304	NP13307-04	10/09/06 09:3
Methyl tert-Butyl Ether	ND	55,4	սց/Ն	50.0	111%	55 - 152	П	27	6101304	NP13307-04	10/09/06 09:3
Tertiary Butyl Alcohol	ND	667	ug/L	500	133%	19 - 183	14	39	6101304	NPI3307-04	10/09/06 09:3
Surrogate: 1,2-Dichloroethane-d4		50.8	ug/L	50.0	102%	70 - 130		•	6101304	NPI3307-04	10/09/06 09:3
Surrogate: Dibromofluoromethanc		50.2	ug/L	50.0	100%	73 - 124			6101304	NPI3307-04	10/09/06 09:3
Surrogate: Toluene-d8		53.4	цg/L	50.0	107%	78 - 121			6101304	NPI3307-04	10/09/06 09:3
Surrogate: 4-Bromofluorobemene		50.4	ug/L	50.0	101%	78 - 126			6101304	NP13307-04	10/09/06 09:3
Surrogate: 1,2-Dichloroethone-d4		50.8	ug/L	50.0	102%	70 - 130			6101304	NP13307-04	10/09/06 09:3
Surrogate: Dibromofluoromethane		50.2	ug/L	50,0	100%	79 - 122			6101304	NP13307-04	10/09/06 09:3
Surrogate: Toluene-d8		53.4	ug/L	50.D	107%	78 - 121			6101304	NPI3307-04	10/09/06 09:3
Surrogate: 4-Bromofluorobenzene		50.4	ug/L	50,0	101%	78 - 126			6101304	NP13307-04	10/09/06 09:3
6101351-MSD1											
Tert-Amyl Methyl Ether	ND	39.2	ug/L	50,0	78%	45 - 155	10	24	6101351	NPJ0132-02	10/09/06 20:3
1,2-Dibromoethane (EDB)	ND	47.2	ug/L	50,0	94%	71 - 138	13	27	6101351	NPJ0132-02	10/09/06 20:3
1,2-Dichloroethane	46.7	76.7	M8 ug/L	50,0	60%	70 - 140	7	21	6101351	NPJ0132-02	10/09/06 20:3
Ethyl tert-Butyl Ether	ND	42.7	ug/L	50.0	85%	57 - 148	9	22	6101351	NP30132-02	10/09/06 20:3
Diisopropyl Ether	ND	38.9	цg/L	50.0	78%	67 - 143	10	22	6101351	NPJ0132-02	10/09/06 20:3
Methyl tert-Butyl Ether	102	132	սg/L	50.0	60%	55 - 152	7	27	6101351	NPJ0132-02	10/09/06 20:3
Tertiary Butyl Alcohol	359	699	ug/L	500	68%	19 - 183	5	39	6101351	NFJ0132-02	10/09/06 20:3
Surrogate: 1,2-Dichloroethane-d4		44.8	ug/L	50,0	90%	70 - 130			6101351	NPJ0132-02	10/09/06 20:3
Surrogate: Dibromofluoromethane		45.0	ug/L	50,0	90%	79 - 122			6101351	NPJ0132-02	10/09/06 20:3
Surrogate: Toluene-d8		51.5	ug/L	50.0	103%				6101351	NPJ0132-02	10/09/06 20:3
Surrogate: 4-Bromofluorobenzene		48,6	սց/L	50.0	97%	78 - 126			6101351	NPJ0132-02	10/09/06 20:3
6101489-MSD1											
Tert-Amyl Methyl Ether	ND	58.0	ug/L	50.0	116%	- 45 - 155	17	24	6101489	NP13685-01	10/09/06 06:0
1,2-Dibromoethane (EDB)	ND	62,1	пñ∖Г	50.0	124%	71 - 138	18	27	6101489	NP13685-01	10/09/06 06:6
Ethanol	ND	4810	ug/L	5000	96%	36 - 177	20	45	6101489	NPI3685-01	10/09/06 06:0



Testamerica

ANALYTICAL TESTING CORPORATION

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NP13625

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 229313X

09/28/06 08:00

# PROJECT QUALITY CONTROL DATA Matrix Spike Dup - Cont.

Analyle	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by	y EPA Method 8	3260B										
6101489-MSD1												
1,2-Dichloroethane	ND	57.3		цg/Ι,	50.0	115%	70 - 140	18	21	6101489	NP13685-01	10/09/06 06:08
Ethyl tert-Butyl Ether	ND	66,4		цg/L	50,0	133%	57 - 148	19	22	6101489	NPI3685-01	10/09/06 06:08
Diisopropyl Ether	ND	57,0		ug/L	50,0	114%	67 - 143	16	22	6101489	NPI3685-01	10/09/06 06:08
Methyl tert-Butyl Ether	6.97	69.6		ug/L	50.0	125%	55 - 152	13	27	6101489	NPI3685-01	10/09/06 06:08
Tertiary Butyl Alcohol	ND	507		ug/L	500	101%	19 - 183	15	39	6101489	NPI3685-01	10/09/06 06:08
Surrogate: 1,2-Dichloroethane-d4		45.0		ug/L	50.0	90%	70 - 130			6101489	NPI3685-01	10/09/06 06:08
Surrogate: Dibromofluoromethane		46.7		ug/L	50.0	93%	73 - 124			6101489	NP13685-01	10/09/06 06:08
Surrogate: Toluene-d8		47.2		ug/L	50.0	94%	78 - 121			6101489	NP13685-01	10/09/06 06:08
Surrogate: 4-Bromofluorobenzene		49.6		սց/Ն	50.0	99%	78 - 126			6101489	NP13685-01	10/09/06 06:08
Surrogate: 1,2-Dichlarocthane-d4		45.0		ug/L	50.0	90%	70 - 130			6101489	NP13685-01	10/09/06 06:08
Surrogate: Dibromofluoromethane		46.7		ug/L	50,0	93%	79 - 122			6101489	NP13685-01	10/09/06 06:08
Surrogate: Toluene-d8		47.2		ug/L	50,0	94%	78 - 121			6101489	NP13685-01	10/09/06 06:08
Surrogate: 4-Bromofluorobenzene		49.6		ug/L	50.0	99%	78 - 126			6101489	NP13685-01	10/09/06 06:08
Purgeable Petroleum Hydrocar	bons											
6101000-MSD1												
GRO as Gasoline	67.4	713		սջ/Լ.	1000	65%	43 - 146	5	27	6101000	NPI3395-01	10/06/06 10:46
Surrogate: a,a,a-Trifluorotoluene		33.3		ug/L	30.0	111%	63 - 134			6101000	NPI3395-01	10/06/06 10:46



2960 Foster Creighton Road Nashville, TN 37204 \* 800-765-0980 \* Fax 615-726-3404

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paulo Sime Work Order:

NPI3625

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received:

229313X

09/28/06 08:00

## CERTIFICATION SUMMARY

## TestAmerica - Nashville, TN

Method	Matrix	ΛΙΗΑ	Nelae	Свіїотіа
SW846 8015B	Water	 N/A	X	x
SW846 8021B	Water	N/A	x	X
SW846 8260B	Water	N/A	Х	X



2950 Foster Creighton Road Nashville, TN 37204 \* 800-765-0980 \* Fax 615-725-3404

Client ERI Pctoluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Atm Paula Sime

Work Order:

NPI3625

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received; 229313X

09/28/06 08:00

## NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

<u>Method</u>

<u>Matrix</u>

Analyte



2960 Foster Creighlon Road Nashville, TN 37204 \* 800-765-0980 \* Fax 615-726-3404

Client ERI Petaluma (10228)

601 North McDowell Blvd,

Petaluma, CA 94954

Attn Paula Sime

Work Order;

NPI3625

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number:

229313X

Received:

09/28/06 08:00

## DATA QUALIFIERS AND DEFINITIONS

ID2

Secondary ion abundances were outside method requirements. Identification based on analytical judgement.

M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

#### METHOD MODIFICATION NOTES



# Nashville Division COOLER RECEIPT FORM



BC#

NPI3625

Cooler Received, 1. Indicate the Airbil	Opened On	9/28/068:00 sst 4 digits for Fedex or	 ily) and Name of	Courier helow	3708
Fed-Ex	UPS Velo		Route	Off-stree	
2. Temperature of ro (indicate IR Gun	epresentative sample of ID#)	r temperature blank w	then opened:	<u> </u>	grees Celsius
NA A00466	A00750	A01124	100190	101282	102594
3. Were custody seal	ls on outside of cooler?	***************************************	•••••••••		. Æ8NONA
a. If yes	, bow many and where	: <u></u> _	1 From	<u>+</u>	
4. Were the seals int	act, signed, and dated	correctly?	**********		E3NONA
5. Were custody pap	ers inside cooler?	<b>,</b>			VR NO NA
I certify that I opened	the cooler and answer	red guestions 1-5 (iptia	<u>)</u>		5~
6. Were custody seal	s on containers:	YES A	1		YES NO 🙆
were these	signed, and dated corr	ectly?		and mixel	-
	icking material used			Vermiculite	YESNO() Foam Insert
	Plastic bag Pa	per Other		N	one
8. Cooling process	ii (tce')	Ice-pack Ice (			
9. Did all containers a					Other None
10. Were all containe	r labels complete (#. ds	ate signed pres emit	** 1		,•
II. Did all container i	labels and taps some w	ith sustady was 0			APSNONA
12. a. Were VOA vis	als received?	ma castody papers;	********************		ØPSNONA
					ESNONA
I certify that I uploade	observable head space	present in any VOA	/lal?	-   - qu   <b>-  </b> -   -   -   -   -   -   -   -   -	<u>-</u>
I certify that I unloade	o the cooler and answe	red questions 6-12 (int	ial)	14	<u>-11.</u>
13. a. On preserved b	outnes dia the pH (est 8	trips suggest that pres	ervation reached	the correct pH leve	1? YESNO.(NA)
	abels indicate that the				YESONONA
II preservan	on in-house was neede	d, record standard ID	of preservative us	sed here	
14. Was residual chlor	rine present?	***************************************		******	YESNO76
I certify that I checked	for chlorine and pH as	per SOP and answere	d questions 13-14	1 (intial)	
15. Were custody pap	ers properly filled out	(ink, signed, etc)?		*************	BaNONA
16. Did you sign the c	ustody papers in the ap	ppropriate place?	*******************	*****************	EsNONA
17. Were correct contr	iners used for the anal	lysis requested?			YESNONA
18. Was sufficient amo	unt of sample sent in e	each container?		*****	ESNONA
I certify that I entered t	his project into LIMS	and answered question	<u>s 15-18 (intial)</u>		#L
I certify that I attached	a label with the unique	LIMS number to eacl	container (intia	D	34
19. Were there Non-Cor BIS = Broken in shipmen	nformance issues at log	in YES (0) Was	PIPE generated	YES	NO #
Cooler Receipt Form		LF-1			<b>.</b>

## CHAIN OF CUSTODY RECORD

TRK# 7995 1025 3708

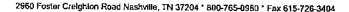
	Consultant Name: Environmental Resolutions, Inc.						ExxonMobil Engineer Jennifer Sedlachek												
Cons							Telep												
				54				A											
										_					_				
			00			·									_				
FRI	LJob Number:	229313X								_		_							
0la	- Namos (Brint)	Troffa	Jah	<u>, " R</u>	axte/					_					_				
Samp	oler Signature:				City,	State	Zip	Oakla	nd, C	ашоп	ila								
Hand Deliver	Comme	cial express	Ouler.		<del></del>			 Matrix						Ana	lyze	For:			
PROVIDE: EDF Report	7 CA oxys: M	reeons: TBE, ETBE, D	IPE, TAMF	NP	13625					9 8015B	X 8021B	E 8260B	Oxys 8260B	nol 8260B					
	DATE	TIME	сомР	GRAB	PRESERV	NUMBER	Water	Soil	Vapor	E E	BTE	M TB	۲ ک	Etha					_
ion		<del></del>			HCI	2 VOAs	_x_	 		н	0	L_	D		Ν	7_	362		$-\tau$
		1523			HC1	6 VOAs	X			Χ.	Х	Х	X	X		-			2
	7/25/0	71628			HCI_	6 VOAs	×		<b> </b>	X	_X		<u>.</u> X			├	_		3
		1636			HCI	6 VOAs	×								-	╀			<del>}</del> -
		1//			HCI	6 VOAs	T	-	-		1	1	ı			╀	-	$\vdash$	ر ا
		1415			HCI	6 VOAs			-		<u> </u>		l	-	-	+-		$\dagger$	r n
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· <u> </u>	<u> </u>		<del> </del>		HCI		1	<del> </del>	-			$\vdash$		<del> </del> √	-	<del>                                     </del>	<del>                                     </del>	-	<u>- ۲</u>
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	<del> </del> -	<del> </del>	<u> </u>		<del> </del> -		$\top$	1											<u> </u>
Date 9/	25	Time (8	48	Received	W. F. F.	lett	L		Time	10	20	Lab	orato Ten	nry Co	omm lure I	ents: Jpon	Recei	ot:	_ Э`
At Date 9	126/0	<b>≤</b> Time <b>∫</b>	50_	Received	by TestAmeni				Time	•//.	;5E	1	Sen VO	As Fr	ee of	Head	space	?	γ. Υ
-	Protection Telepier ER Sample Sample Sample PROVIDE: EDF Report	Address: City/State/Zip: Project Manager Telephone Number: ERI Job Number: Sampler Name: (Print) Sampler Signature: PROVIDE: EDF Report  DATE  9/25/06  Date 9/25	Address: 601 N. McDo Clty/State/Zip: Petaluma, Ca Project Manager Paula Sime Telephone Number: (707) 766-20 ERI Job Number: 229313X Sampler Name: (Print) Sampler Signature:    Hand Deliver   Commercial Express   CA oxys: MTBE, ETBE, D   1523   7/25/CB   1628   1700   1415   1317   1445   1600   Date 9/25   Time 86	Address: 601 N. McDowell Blvd  Clty/State/Zip: Petaluma, California 949  Project Manager Paula Sime  Telephone Number: 229313X  Sampler Name: (Print) Sampler Signature: Commercial Express Other: PROVIDE: Special Instructions: 7 CA oxys: MTBE, ETBE, DIPE, TAME  Ion DATE TIME COMP  9/25/06 1710  1323  1/25/09 16 2 8  1/4/5  1/4/5  Date 9/25  Time 848	Address: 601 N. McDowell Blvd  City/State/Zip: Petaluma, Celifornia 94954  Project Manager Paula Sime  Telephone Number: (707) 766-2000  ERI Job Number: 229313X  Sampler Name: (Print) Tracks: "Sampler Signature: Image: Provide: Image: Provide: Image: Provide: Provide: Image: Provide: Image: Provide: Image: Provide: Image: Provide: Image: Provide: Image: Provide: Provide: Image: Provide: Image: Provide: Image: Provide: Image: Provide: Image: Provide: Provide: Image: Provide: P	Address: 601 N. McDowell Blvd  City/State/Zip: Petaluma, California 94954  Project Manager Paula Sime  Telephone Number: 707) 766-2000  ERI Job Number: 229313X  Sampler Name: (Print)  Sampler Signature:	Consultant Name: Environmental Blvd City/State/Zip: Petaluma, California 94954 Project Manager Paula Sime Telephone Number: 707) 766-2000 ERI Job Number: 229313X Sampler Name: (Print) Sampler Signature:    Hand Deliver   Commercial Express   Other:	Address: 601 N. McDowell Blvd  City/State/Zip: Petaluma, Celifornia 94954  Project Manager Paula Sime  Telephone Number: (2707) 766-2000  ERI Job Number: 229313X  Sampler Name: (Print)  Sampler Signature:    Hand Deliver   Commercial Express   Other:	Consultant Name: Evaluations Action   City/State/Zip: Petaluma, California 94954  Project Manager Paula Sime  Telephone Number: (707) 766-2000  ERI Job Number: 229313X  Sampler Name: (Print)   Sampler Signature:   City, Sampler Signature:   Special Instructions:   7 CA oxys: MTBE, ETBE, DIPE, TAME   NP13625  Ion DATE	Address: 601 N. McDowell Bivd  City/State/Zip: Petaluma, California 94954  Project Manager Paula Sime  Telephone Number: (707) 766-2000  ERI Job Number: 229313X  Sampler Name: (Print)  Sampler Signature:  Address: 601 N. McDowell Bivd  Account Ac	Address: 601 N McDowell Blvd  City/State/Zip: Petaluma, California 94954  Project Manager Paula Sime  Tolophone Number: (707) 768-2000  ERI Job Number: 229313X  Sampler Name: (Print) Sampler Signature: City, State Zip  PROVIDE: Special Instructions: 7 CA oxys: MTBE, ETBE, DIPE, TAME  NP13625  10/12/06 23:59  Matrix  NP25/06 1710 HCI 6 VOAS X X X X X X Y CALL  1636 HCI 6 VOAS X X X X X HCI 6 VOAS X X X X X HCI 6 VOAS X X X X X X HCI 6 VOAS X X X X X HCI 6 VOAS X X X X X HCI 6 VOAS X X X X X X HCI 6 VOAS X X X X X X HCI 6 VOAS X X X X X X HCI 6 VOAS X X X X X X HCI 6 VOAS X X X X X X HCI 6 VOAS X X X X X X HCI 6 VOAS X X X X X X HCI 6 VOAS X X X X X X X HCI 6 VOAS X X X X X X HCI 6 VOAS X X X X X X HCI 6 VOAS X X X X X X X HCI 6 VOAS X X X X X X X HCI 6 VOAS X X X X X X X HCI 6 VOAS X X X X X X X X HCI 6 VOAS X X X X X X X X X HCI 6 VOAS X X X X X X X X X X X X X X X X X X X	Telephone Number   1028   Address   1011   McDowell Blvd   Account #: 1028   Accou	Telephona Number   1510   547-51   54	Address: 501 N. McDowell Blvd  Address: 501 N. McDowell Blvd  City/State/Zip: Petaluma, California 94954  Project Manager Paula Sime  Tolephone Number: (707) 766-2000  ERI Job Number: 229313X  Sampler Name: (Print)	Address: 601 N. McDowel Blud  Address: 601 N. McDowel Blud  City/State/Zip: Pelaluma, California 94954  Project Manager Paula Sime  Tolaphone Number: (707) 766-2000  ERI Job Number: 2293/3/X  Sampler Signature: Address: 2000 East 12th Street  City, State Zip Oakland, California  PROVIDE: Special Instructions: 7 CA oxys: MTBE, ETBE, DIPE, TAME  IDIN 2/06 23:59  Date 9/25  Time 848  Received by J. HCI 6 VOAS X X X X X X X X X X X X X X X X X X X	Consultant Name:	Telephone Number   1510   547-8196   Address   501 N. McDowell Blvd   Address   10228   Address   10228   Pto 8:   Telephone Number   1020   Toda   1020   Toda   Toda	Telephone Number   (510) 547-8196   Account #: 10228   Account #: 10228   Project Manager   Paula Sime   Fally to # 70238   Global ID# 70600101343   Stee Address 2200 East 12th Street   City, State Zip   Oakland, California   City State Zip   Oakland, California   City State Zip   Oakland, California   City, State Zip   Oakland, California   Oakland, California	Telephone Number (501) 547-3196   Address (2011 McDowell Blvd   City/State/Zip: Pelatuma, California 84954   Project Manager Paula Sime   Telephone Number (107) 758-2000   ERI Joh Number: (2027) 759-2000   ER

## TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: REC. BY (PRINT) WORKORDER:	ERI JULIE NG.		DATE REC'D AT LAB: TIME REC'D AT LAB: DATE LOGGED IN:	0.26. 183				For Regula	atory Purposes? WATER YES / NO ATER YES / NO
CIRCLE THE APPRO	PRIATE RESPONSE	LAB SAMPLE#	CLIENT ID	CONTAINER DESCRIPTION	PRESER VATIVE	Нф	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
Custody Seal(s)	Present / Alpsent								
	Intact / Broken*							·	
2. Chain-of-Custody	Pesent / Absent*	·							
3. Traffic Reports or	^								
Packing List:	Present / Absent				<u> </u>				
4. Airbill:	Airbill / Sticker		. —		'		1	54/	<u> </u>
	Present / Alesent	<u>.</u>	· · · · · · · · · · · · · · · · · · ·				$\sim$		<u> </u>
5. Airbill #:							\\$\\/	<u> </u>	
6. Sample Labels:	Present / Absent		· <del>- · · · - · · · · · · · · · · · · · ·</del>		- <del></del> -}			· — · · · ·	
7. Sample IDs:	Listed / Not Listed		•		· ·	<u>.</u>	/		<u>, , , , , , , , , , , , , , , , , , , </u>
O O contra O contra	on Chain-of-Custody		·		<del>-  </del>	_/			<del></del> -
8. Sample Condition:	Irtaet / Broken* / Leaking*				- 20	روي	<u> </u>		
9. Does information on					<del>\( \)</del>	-32			
traffic reports and sa	, , , , , , , , , , , , , , , , , , ,	•		3	<u> </u>	-			<del></del>
agree?	Yes / No*			<del></del>	<del></del>		1		
10. Sample received within	<del></del>		<u></u>		· · · ·		<del></del>	- 1	
hold time?	` Y(e)} / No*			<del>/.</del>					
11. Adequate sample volu	· · · · · · · · · · · · · · · · · · ·			/					
received?	(e) / No*	<del></del>							
12. Proper preservatives u									
13. Trip Blank / Temp Blan									
(circle which, if yes)	Yes/No*)	- "				一			
14. Read Temp:	2.00	7							
Corrected Temp:	V		· ·			_			
Is corrected temp 4 +/-	2°C? (Ye)s / No**							1	
Acceptance range for samples re									
**Exception (if any): META									
or Problem COC									

SRL Revision 8 Replaces Rev 7 (07/19/05) Effective 09/13/06 \*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

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



Testamerica

ANALYTICAL TESTING CORPORATION

July 24, 2006

Client:

ERI Petaluma (10228)

601 North McDowell

Petaluma, CA 94954

Attn: Paula Sime

JUL 8 4 2006

Work Order:

NPG1366

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Nbr: P/O Nbr: 2293

Date Received:

4507207187 07/13/06

SAMPLE IDENTIFICATION

LAB NUMBER

COLLECTION DATE AND TIME

A-EFF A-INF NPG1366-01 NPG1366-02

07/11/06 15:00 07/11/06 15:05

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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California Certification Number: 01168CA

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

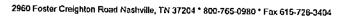
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:

Gail A Lage

Senior Project Manager

You a dage





Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime Work Order:

NPG1366

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received:

2293

07/13/06 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPG1366-01 (A-EI	F - Air) Sample	i: <b>07</b> /11/06	15:00					
BTEX in Air by GC-PID								
Methyl tert-Butyl Ether	ND		mg/m3	0.500		07/14/07 00 00	77.	
Велгене	ND		_			07/14/06 00:03	EPA 18M	6072248
Тоциеле			mg/m3	0.500	ı	07/14/06 00:03	EPA 18M	6072248
	ND		mg/m3	0.500	l l	07/14/06 00:03	EPA 18M	6072248
Ethylbenzene	ND		mg/m3	0.500	l	07/14/06 00:03	EPA 18M	6072248
Xylenes, total	ND		mg/m3	1.50	1	07/14/06 00:03	EPA 18M	6072248
>C4 - C10 Hydrocarbons	ND		mg/m3	50.0	1	07/14/06 00:03	EPA 18M	6072248
Sample ID: NPG1366-02 (A-IN	F - Air) Sampled	: 07/11/06	15:05					
BTEX in Air by GC-PID	•							
Methyl tert-Butyl Ether	1.03		mg/m3	0,500	i	07/14/06 00:33	EPA 18M	6072248
Benzene	ND		mg/m3	0,500	1	07/14/06 00:33	EPA 18M	
Tolucne	ND		mg/m3	0.500	i	07/14/06 00:33		6072248
Ethylbenzene	ND		mg/m3				EPA 18M	6072248
Xylenes, total	ND		-	0.500		07/14/06 00:33	EPA 18M	6072248
>C4 - C10 Hydrocarbons			mg/m3	1,50	l	07/14/06 00:33	EPA 18M	6072248
- C4 - C10 Hydrocathodis	ND		mg/m3	50.0	I	07/14/06 00:33	EPA 18M	6072248



2960 Foster Creighton Road Nashville, TN 37204 \* 800-765-0980 \* Fax 615-726-3404

Attn

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime

Work Order:

NPG1366

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number:

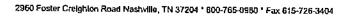
2293

Received:

07/13/06 08:00

## PROJECT QUALITY CONTROL DATA Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time	
BTEX in Air by GC-PID							
6072248-BLK1 Methyl tert-Butyl Ether	<0.230		mg/m3	6072248	6072248-BLK1	07/13/06 17:59	
Benzene	<0.270		mg/m3	6072248	6072248-BLK1	07/13/06 17:59	
Toluene	<0.390		mg/m3	6072248	6072248-BLK1	07/13/06 17:59	
Ethylbenzene	<0.220		mg/m3	6072248	6072248-BLK1	07/13/06 17:59	
Xylenes, total	<1.19		mg/m3	6072248	6072248-BLK1	07/13/06 17:59	
>C4 - C10 Hydrocarbons	<12,0		mg/m3	6072248	6072248-BLK1	07/13/06 17:59	



Test America

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sinte

Work Order;

NPG1366

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number:

2293

Received: 07/13/06 08:00

# PROJECT QUALITY CONTROL DATA LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Dale/Time
BTEX in Air by GC-PID								
6072248-B\$1								
Methyl tert-Butyl Ether	18.0	17.3		ന്നൂ/ന്മ3	96%	70 - 130	6072248	07/14/06 19:11
Benzene	16,0	15,1		mg/m3	94%	70 - 130	6072248	07/14/06 19:11
Toluene	19,0	17.4		mg/m3	92%	70 - 130	6072248	07/14/06 19:11
Ethylbenzene	22,0	19.1		mg/m3	87%	70 - 130	6072248	07/14/06 19:11
Xylenes, lotal	65,5	58.1		mg/m3	89%	70 - 130	6072248	07/14/06 19:11
>C4 - C10 Hydrocarbons	226	208		mg/m3	92%	70 - 130	6072248	07/14/06 19:11



2960 Fostor Creighton Road Nashville, TN 37204 \* 600-765-0980 \* Fax 615-726-3404

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NPG1366

Project Name;

Exxon(06) 7-0238 PO:4507207187

Project Number: 2293

Received:

07/13/06 08:00

## CERTIFICATION SUMMARY

## TestAmerica - Nashville, TN

Method	Matrix		АΠ	·IA	Nelac	Calif	òrnia		
EPA 18M	Air	 						 	
NA	Air								



2960 Foster Creighton Road Nashvillo, TN 37204 \* 800-765-0980 \* Fax 615-726-3404

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order;

NPG1366

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: 2293

Received:

07/13/06 08:00

#### NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method

EPA 18M

Matrix

Air

<u>Anulyte</u>

>C4 - C10 Hydrocarbons

Benzene Ethylbenzene

Methyl tert-Butyl Ether

Toluene Xylenes, total



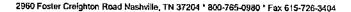


BC#

NPG1366

Cooler Received/Opened On July 13, 2006 @ 0800  1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:
Fedex UPS Velocity DHL Route Off-street Misc.
2. Temperature of representative sample or temperature blank when opened: Degrees Celsius (indicate IR Gun ID#)
NA A00466 A00750 A01124 100190 101282 Rayness ST
3. Were custody scals on outside of cooler?
a. If yes, how many and where:
4. Were the seals intact, signed, and dated correctly?
5. Were custody papers inside cooler?
I certify that I opened the cooler and answered questions 1-5 (initial)
6. Were custody seals on containers: YES NO and Intact YES NO NA
were these signed, and dated correctly?
7. What kind of packing material used? Bubblewren Possute 17
Plastic bag Paper Other
8. Cooling process: Ice Ice Process Inc.
nee (direct contact) Dry ice Other None
9. Did all containers arrive in good condition (unbroken)?
11. Did all container labels and tors owner with and 1
12. a. Were VOA vigls received?
b. Was there any observable head space present in any VOA viai?
I certify that I unloaded the cooler and answered questions 6-12 (Intigl)
13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YESNQNA
b. Did the bottle labels indicate that the correct preserve the correct
If preservation in-house was needed, record standard ID of preservative used here
14. Was residual chlorine present?
I certify that I checked for chloring and pH as per SOP and answered questions 13-14 (Intial)
15. Were custody papers properly filled out (into signed exact)?
16. Did you sign the custody papers in the appropriate of the sign
17. Were correct containers used for the applied and the product of
18. Was sufficient amount of sample sent in each containing
I certify that I entered this project into LIMS and answered questions 15-18 (initial)
I certify that I attached a labe) with the unique LIMS number to each container (intial)
19. Were there Non-Conformance issues at login VES NO. Worn DIDE constant
BIS = Broken in shipment

07/27/06 23:59		nsultant Name	. Faul-samer	dal Danalui	Hone for				Mahi	I Eng	ineer J	ennife	r C	Sed	lachel				
Test/America	Ì		: 601 North N				- •				mber (				201101	<u>`-</u> -			
(615) 726-0177	ō	City/State/Zip				_	-				56. <u>(</u> nt #:	,,,,,,,,							
Morgan Hill Division	P	roject Manage					-				PO #: 4	507207	7187						
885 Jarvis Drive		phone Number					-		F		, ID # 7								
Morgan Hill, CA 95037		Ri Job Number					-			-	' al ID# T			3					
morgan rim, an sour					4164		-				dress 2				reel				
Ex∕onMobil	Sam	er Name: (Print pier Signature			7		-				e Zip C								
		ر ر	A. A. A.	12,14			-		-	•	· <del>-</del>								
TAT	PROVIDE:	Special Instru	uctions:						Matri	x				A	nalyze	For:			
□ 24 hour □ 72 hour	EDF Report	* Include MTB	Ε					1				Ì							
☐ 48 hour ☐ 96 hour									İ			- 1			ĺ				
☑ 8 day											₩	ł			ĺ				
Sample ID / Descrip	tion	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Water	Soji	Vарог	EPA								
A-EFF		7-11-66	1500		Х	NA	1L Tedlar			X	x		7ψ	Pd	- /36	6-0			
A-INF	· <del>-</del>	7-11-06	1505	-	×	NA	1L Tedlar			х	х				$\int_{-1}^{1}$	0			
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U							1	41:	bb	8	7.10								



Test America

August 21, 2006

Client:

ERI Petaluma (10228)

601 North McDowell B

Petaluma, CA 94954

Attn: Paula Sime

PROFILITION AUG 21 2006

Work Order;

NPH1163

08/09/06

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Nbr:

2293 11X (monthly)

P/O Nbr: Date Received: 4507207187

SAMPLE IDENTIFICATION

LAB NUMBER

COLLECTION DATE AND TIME

A-EFF A-INF NPH1163-01 NPH1163-02

08/04/06 10:00 08/04/06 10:30

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

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California Certification Number: 01168CA

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

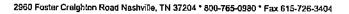
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:

Gail A Lage

Senior Project Manager

Yair a Hage



Test/America

Alm

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime

Work Order:

NPH1163

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number:

2293 HX (monthly)

Received:

08/09/06 08:00

#### ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPH1163-01 (A-E	FF - Air) Sampled	: 08/04/06 10	:00					
BTEX in Air by GC-PID								
Methyl tert-Butyl Ether	ND		mg/m3	0.500	1	08/09/06 22:32	EPA 18M	6081550
Benzene	ND		mg/m3	0.500	l	08/09/06 22:32	EPA 18M	6081550
Toluene	ND		mg/m3	0.500	l	08/09/06 22:32	EPA 18M	6081550
Ethylbenzene	ND		mg/m3	0.500	l	08/09/06 22:32	EPA 18M	6081550
Xylenes, total	ND		mg/m3	1.50	1	08/09/06 22:32	EPA 18M	6081550
>C4 - C10 Hydrocarbons	ND		mg/m3	50.0	1	08/09/06 22:32	EPA 18M	6081550
Sample ID: NPH1163-02 (A-II	NF - Air) Sampled	: 08/04/06 10:	30					
BTEX in Air by GC-PID								
Methyl tert-Butyl Ether	ND		mg/m3	0.500	I	08/09/06 23:02	EPA 18M	6081550
Benzene	ND		mg/m3	0.500	l	08/09/06 23:02	EPA 18M	6081550
Toluene	ND		mg/m3	0.500	1	08/09/06 23:02	EPA 18M	6081550
Ethylbenzene	ND		mg/m3	0.500	1	08/09/06 23:02	EPA 18M	6081550
Xylenes, total	ND		mg/m3	1.50	1	08/09/06 23:02	EPA 18M	6081550
>C4 - C10 Hydrocarbons	ND		mg/m3	50.0	ı	08/09/06 23:02	EPA 18M	6081550



2960 Fostor Creighton Road Nashville, TN 37204 \* 800-765-0980 \* Fax 615-726-3404

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NPH1163

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 2293 11X (monthly) 08/09/06 08:00

## PROJECT QUALITY CONTROL DATA

## Blank

6l-a-		_				
Analyte	Blank Value	Q	Units	Q.C. Batch	Lah Number	Analyzed Date/Time
BTEX in Air by GC-PID						
6081550-BLK1						
Methyl tert-Butyl Ether	<0.210		mg/m3	6081550	6081550-BLK1	08/09/06 18:31
Benzenc	<0.270		mg/m3	6081550	6081550-BLK1	08/09/06 18:31
Toluene	< 0.190		mg/m3	6081550	6081550-BLK1	08/09/06 18:31
Ethylbenzene	<0.190		mg/m3	6081550	6081550-BLK1	08/09/06 18:31
Xylenes, total	<0.500		mg/m3	6081550	6081550-BLK	08/09/06 18:31
C1 - C4 Hydrocarbons	<0.620		mg/m3	6081550	6081550-BLK1	08/09/06 18:31
>C4 - C10 Hydrocarbons	2,09		mg/m3	6081550	6081550-BLK1	08/09/06 18:31



2960 Foster Creighton Road Nashville, TN 37204 \* 800-765-0980 \* Fax 615-726-3404

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NPH1163

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number; Received: 2293 11X (monthly)

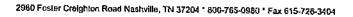
Received.

08/09/06 08:00

## PROJECT QUALITY CONTROL DATA

## Duplicate

Analyte	Orig. Val.	Duplicate Q	Units R	PD Limit	Batch	Sample Duplicated	Analyzed Date/Time	
BTEX in Air by GC-PID								
6081550-DUP1								
Methyl tert-Butyl Ether	ND	ND	mg/m3	29	6081550	NPH1184-06	08/10/06 19:18	
Benzene	ND	ND	mg/m3	16	6081550	NPH1184-06	08/10/06 19:18	
Toluene	ND	ND	mg/m3	29	6081550	NPH1184-06	08/10/06 19:18	
Ethylbenzene	ND	ND	mg/m3	29	6081550	NPH1184-06	08/10/06 19:18	
Xylenes, total	ND	ND	mg/m3	40	6081550	NPH1184-06	08/10/06 19:18	
C1 - C4 Hydrocarbons	ND	ИD	mg/m3	40	6081550	NPH1184-06	08/10/06 19:18	
>C4 - C10 Hydrocarbons	ND	32.5	mg/m3	26	6081550	NPH1184-06	08/10/06 19:18	





601 North McDowell Blvd.

Petaluma, CA 94954

Client ERI Petaluma (10228)

Attn Paula Sime

Work Order:

NPH1163

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 2293 11X (monthly) 08/09/06 08:00

## PROJECT QUALITY CONTROL DATA

## LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
BTEX in Air by GC-PID								
6081550-BS1								
Methyl tert-Butyl Ether	18.0	18.0		mg/m3	100%	70 - 130	6081550	08/10/06 11:44
Benzene	16.0	15.5		mg/m3	97%	70 - 130	6081550	08/10/06 11:44
Toluene	19.0	17.9		mg/m3	94%	70 - 130	6081550	08/10/06 11:44
Ethylbenzene	22.0	19.3		mg/m3	88%	70 - 130	6081550	08/10/06 11:44
Xylenes, total	65.5	61.7		mg/m3	94%	70 - 130	6081550	08/10/06 t1:44
Cl - C4 Hydrocarbons	29.5	27.0		mg/m3	92%	70 - 130	6081550	08/10/06 [1:44
>C4 - C10 Hydrocarbons	226	195		mg/m3	86%	70 - 130	6081550	08/10/06   11:44



2960 Foster Creighton Road Nashville, TN 37204 \* 800-765-0980 \* Fax 615-726-3404

Client ERI Petuluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime

Attn

Work Order:

NPH1163

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number:

2293 11X (monthly)

Received: 08/09/06 08:00

## PROJECT QUALITY CONTROL DATA

Matrix Spike

Analyte	Orig. Val.	MS Val	Q Units	Spike Conc	% Rec.	Target Range	Hatch	Sample Spiked	Analyzed Date/Time
BTEX in Air by GC-PID									
6081550-MS1									
Methyl ten-Butyl Ether	ND	16.9	mg/m3	18.0	94%	70 - 130	6081550	NPH1184-06	08/10/06 19:49
Benzene	ND	14.4	mg/m3	16.0	90%	70 - 130	6081550	NPH1184-06	08/10/06 19:49
Toluene	ND	16.3	mg/m3	19.0	86%	70 - 130	6081550	NPIII 184-06	08/10/06 19:49
Ethylbenzene	ND	17.8	mg/m3	22.0	81%	70 - 130	6081550	NPH1184-06	08/10/06 19:49
Xylenes, total	ND	63.7	mg/m3	65.5	97%	70 - 130	6081550	NPH1184-06	08/10/06 19:49
C1 - C4 Hydrocarbons	7.78	38.3	mg/m3	29.5	103%	70 - 130	6081550	NPH1184-06	08/10/06 19:49
>C4 - C10 Hydrocarbons	6.64	205	mg/m3	226	88%	70 - 130	6081550	NPH1184-06	08/10/06 19:49



Аіг

2960 Foster Creighton Road Nashville, TN 37204 \* 800-765-0980 \* Fax 615-726-3404

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime Work Order:

NPH1163

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received:

2293 LLX (monthly) 08/09/06 08:00

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

NA

Method Matrix ΑΉΑ Nelac Colifornia **EPA 18M** Λіг

Page 7 of 8



Client ERI Petaluma (10228)

601 North McDowell Blyd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NPH1163

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 2293 11X (monthly) 08/09/06 08:00

## NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method EPA 18M <u>Matrix</u>

Air

<u>Analyte</u>

>C4 - C10 Hydrocarbons

Benzene Ethylbenzene

Methyl tert-Butyl Ether

Toluene Xylenes, total



**COOLER RECEIPT FORM** 

## BC#



NPH1163

	ler Received				8:00		and Name of (	Courler below:	<u> 1352</u>	
	Fed-Ex	UPS	Velo	city	DH	L	Route	Off-street	Misc.	
	emperature of r licate IR Gui		tive sample o	r tempere	ature blai	ak wher	ı opened:	Deg	rees Celsiu	18
NA	A00466		A00750		A01124		100190	101282	102594	$\supset$
3. \	Were custody se	als on outs	ilde of cooler?	}		••••		,	YES(NO)2.,	.NA
	a. If yo	s, how ma	ny and where	e:				<del> </del>		_
4. 3	Were the seals in	itaci, signe	ed, and dated	correctly	?			***************************************	YESNO.	NA)
5. Y	Were custody pa	pers insld	e cooler?					·······	€3ио	.NA
<u>[ cer</u>	rtify that I open	ed the cool	cr and answe	red quest	tions 1-5 (	(intial)		<u></u>	<u> 32</u>	
6. T	Were custody se	als on con	tainers:		YES	(No)		and Intact	YES NO	iQ
	were thes	e signed, s	ınd dated cor	rectly?"		······	• • • • • • • • • • • • • • • • • • • •	······································	YESNO	(NA)
7.	What kind of p	packing r	naterial use	d? B	Bubblew	гар	Peanuts	Vermiculite	Foam Ir	ısert
		Plastic	bag P	ape <b>r</b>	Othe	Γ			Signer <sup>1</sup>	
8.	Cooling proce	<b>155</b> :	Ice	Ice-pac	:k	Ice (di:	rect contact)	Dry ice	Other	None
9. 1	Did all container	s arrive in	ı good conditi	ion ( unbi			-		<b>Е</b> зno	
			-		_	_		********	<b>€</b> 38NO	
11,	Did all contains	er labels a	nd tags agree	with cust	tody pape	ers7		***************************************	γ£\$no	
12.	a. Were VOA	vials recei	ved?					***************************************	YES1@	
	b. Was there a	ny observ	able head spa	ice presei	ıt in any '	VOA vis	ıl?		YESNO	
<u>I ce</u>	rtify that I unlos	ided the co	ooler and ans	wered qu	estions 6-	12 (intia	<u> </u>	)-\$	34	_
13.	a. On preserve	d bottles d	lid the pH tes	t strips sı	iggest the	ıt preser	vation reache	d the correct pH leve	:1? YESNO.	.,X3.
	b. Did the bott	le labels ir	idicate that th	ie correct	ргезегуя	itives we	re used	*********	YESNO	NA NA
	If preserv	vation in-h	ouse was nee	ded, reco	rd stande	ırd ID ol	preservative	used here		<i>!</i> —
14.	Was residual ci	blorine pr	esent?					************	YESNO	SA.
<u>I ce</u>	rtify that I cheel	ted for chi	orine and pH	as per Se	OP and a	<u>nswered</u>	questions 13-	14 (intial)		_
15.	Were custody	рарета рго	perly filled o	ut (ink, s	igned, etc	:)?			<b>У</b> Е\$NО	.NA
16.	Did you sign th	ie custody	papers in the	appropr	iate place	e?		***************************************	¥58NO	.NA
17.	Were correct c	eranista o	used for the a	nalysis re	quested?	'			E8NO	NA
18.	Was sufficient	amount of	sample sent i	n each co	intainer?				₹£3NO	ΝA
I ce	rtify that I enter	ed this pr	oject Into LIN	4S and ar	swered o	question	5 15-18 (intlat)		_30_	
I ce	rtily that I attac	hed a labe	l with the uni	que LIM	<u>S number</u>	r to each	container (In	t <u>i</u> al)	_ gr	
19.	Were there Non	-Conform	ance issues at	login Y	es 👸	Was a	PIPE genera	ted YES	NO #	

 $(-4.5)\times 10^{10}$ 

Toot Amorica	Cor	nsultant Name:	Environmen	tal Resolut	ons, Inc.		. =	xxon	Mobil	Eng	Ineer	Jenn	ifer C	. Sec	iache	k				
Test/America	Ĺ	Address:	601 North M	cDowell Bl	vd.			Tele	phon	e Nu	mber	(510)	547-8°	196						
(615) 726-0177	•	City/State/Zip:	Peteluma, C	alifomia 9	4954		•		A	ccou	ınt #:									
Morgan Hill Division	Pr	roject Manager	Paula Sime				_			F	'O #:	45072	07 <u>18</u>	7						
885 Jarvis Drive	Telep	hone Number:	(707) 766-2	000			-		Fa	acility	/ ID #	7-023	38			_				
Morgan Hill, CA 95037	ER	Number:	2293 11X (n	nonthly)			_		(	Globa	ıl ID#	T0600	1013	43						
1	Sample	er Name: (Print) pler Signature:	Lan	Dev	ma	<u>~</u>			Site	e Add	iress	2200	East '	12th S	treet			<del>-</del>		
ExonMobil	Sam	pler Signature:	Der-	<u>as LL</u>	<u>~~~</u>	<u>~</u>	-		City	, Stat	e ZIp	Oakla	nd, C	aliforn	ia				_	
			<u> </u>	·				Γ'												
TAT	PROVIDE:	Special instru	ctions:					<u> </u>	Matrix	(			1	,	Analyze	For:			_	_
☐ 24 hour ☐ 72 hour	EDF Report	* Include MTBI	E		JPH11				1											
☐ 48 hour ☐ 96 hour				08	/23/06 2:	3:59							Ì							
EZ 8 day	i							_			18*									
Sample ID / Descrip	ition	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Wate	3	Vapo	EPA					<u>l</u> .				
A-EFF		8/4/0 C	1500		Х	NA	1L Tedlar			×	х	NP	Y_/	163	-(					
			_ <b>'</b>						!						•					
	<u> </u>						1L Tedlar X X NPH N63-7													
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Relinquished by: 1 Hermu	Date 8	7/04	Time Q 0	υ	Received b	Olon	ルタ	β9	R-01	Time	140	ابر	Lab		y Com perature			elot:		
		/ /			_	0.00	0					_			ole Con	•				
Relinquished by:	manDate 8/	Plog	Time /	145	Received b	у <b>Теа⊬</b> алетіс	- 12	<u>L</u>	<u>80</u>	Time	14	45		VOA	s Free	of Hea	ıdspa	ce?	_	
Ø '	•		_			M		É	.9~	26	8	": თუ	) ′	_		(E	<b>)</b>			



September 20, 2006

Client:

ERI Petaluma (10228)

601 North McDowell B

Petaluma, CA 94954

Attn: Paula Sime

SEP 2 0 2006

Work Order:

NPH512

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Nbr: P/O Nbr: 2293 11X 4507207187

Date Received:

09/14/06

SAMPLE IDENTIFICATION

LAB NUMBER

COLLECTION DATE AND TIME

A-EFF A-INF NPI1512-01 NPI1512-02

09/08/06 12:00 09/08/06 12:15

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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California Certification Number: 01168CA

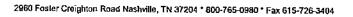
The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

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

Report Approved By:

Leah R. Klingensmith

Senior Project Management



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Αlm Paula Sime Work Order:

NP11512

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number:

2293 11X

Received:

09/14/06 08:00

ANIAI	LYTTCA	I br	DART
AINA		1. KH	יו או וע

Analyte	Result	Fleg	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPI1512-01 (A-EF	F - Air) Sampled:	09/08/06 12:	:00					
BTEX in Air by GC/PID	, ,							
Methyl tert-Butyl Ether	ND		mg/m3	0.500	ı	09/15/06 01:00	EPA 18M	6092508
Benzenc	ND		mg/m3	0.500	i	09/15/06 01:00	EPA 18M	6092508
Toluene	ND		mg/m3	0.500	ĺ	09/15/06 01:00	EPA 18M	6092508
Ethylbenzene	ND		mg/m3	0.500	ı	09/15/06 01:00	EPA 18M	6092508
Xylenes, total	ND		mg/m3	1.50	1	09/15/06 01:00	EPA 18M	6092508
>C4 - C10 Hydrocarbons	ND		mg/m3	50.0	1	09/15/06 01:00	EPA 18M	6092508
Sample ID: NPI1512-02 (A-IN	F - Air) Sampled:	09/08/06 12:	15					
BTEX in Air by GC/PID								
Methyl tert-Butyl Ether	ND		mg/m3	0.500	ı	09/15/06 01:31	EPA 18M	6092508
Benzene	ND		mg/m3	0.500	l	09/15/06 01:31	EPA 18M	6092508
Тоіцспе	ND		mg/m3	0.500	l	09/15/06 01:31	EPA 18M	6092508
Ethylbenzene	ND		mg/m3	0.500	l	09/15/06 01:31	EPA 18M	6092508
Xylenes, total	ND		mg/m3	1.50	ī	09/15/06 01:31	EPA 18M	6092508
>C4 - C10 Hydrocarbons	ND		mg/m3	50.0	l	09/15/06 01:31	EPA 18M	6092508



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NP11512

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 2293 11X

09/14/06 08:00

## PROJECT QUALITY CONTROL DATA Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time	
BTEX in Air by GC/PID							
6092508-BLK1							
Methyl tert-Butyl Ether	< 0.230		mg/m3	6092508	6092508-BLK1	09/14/06 19:29	
Benzene	< 0.270		നള/മ്പി	6092508	6092508-BLK1	09/14/06 19:29	
Tolurne	<0,390		mg/m3	6092508	6092508-BLK1	09/14/06 19:29	
Ethylbenzene	<0,220		mg/m3	6092508	6092508-BLK1	09/14/06 19:29	
Xylenes, lotal	<1,19		mg/m3	6092508	6092508-BLK1	09/14/06 19:29	
>C4 - C10 Hydrocarbons	<12.0		mg/m3	6092508	6092508-BLK1	09/14/06 19:29	



Λttn

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime

Work Order:

NP11512

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received:

2293 11X 09/14/06 08:00

## PROJECT QUALITY CONTROL DATA Duplicate

Orig, Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Amlyzed Date/Time	
ND	ND		mg/m3		29	6092508	NPI1319-01	09/15/06 21:52	
ND	ND		mg/m3		16	6092508	NF11319-01	09/15/06 21:52	
ND	ND		mg/m3		29	6092508	NPI1319-01	09/15/06 21:52	
NTD	ND		mg/m3		29	6092508	NP11319-01	09/15/06 21:52	
ND	ND		mg/m3		40	6092508	NPI1319-01	09/15/06 21:52	
17.1	ND		mg/m3		26	6092508	NP[1319-01	09/15/06 21:52	
	ND ND ND ND	ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND	ND ND mg/m3 ND ND mg/m3 ND ND mg/m3 ND ND mg/m3 ND ND mg/m3 ND ND mg/m3	ND         ND         mg/m3           ND         ND         mg/m3           ND         ND         mg/m3           ND         ND         mg/m3           ND         ND         mg/m3           ND         ND         mg/m3	ND         ND         mg/m3         29           ND         ND         mg/m3         16           ND         ND         mg/m3         29           ND         ND         mg/m3         29           ND         ND         mg/m3         40	ND         ND         mg/m3         29         6092508           ND         ND         mg/m3         16         6092508           ND         ND         mg/m3         29         6092508           ND         ND         mg/m3         29         6092508           ND         ND         mg/m3         40         6092508	Orig. Val.         Duplicate         Q         Units         RPD         Limit         Batch         Duplicated           ND         ND         mg/m3         29         6092508         NPI1319-01           ND         ND         mg/m3         16         6092508         NPI1319-01           ND         ND         mg/m3         29         6092508         NPI1319-01           ND         ND         mg/m3         29         6092508         NPI1319-01           ND         ND         mg/m3         40         6092508         NPI1319-01	Orig. Val.         Duplicate         Q         Units         RPD         Limit         Batch         Duplicated         Date/Time           ND         ND         mg/m3         29         6092508         NPH319-01         09/15/06 21:52           ND         ND         mg/m3         16         6092508         NPH319-01         09/15/06 21:52           ND         ND         mg/m3         29         6092508         NPH319-01         09/15/06 21:52           ND         ND         mg/m3         29         6092508         NPH319-01         09/15/06 21:52           ND         ND         mg/m3         40         6092508         NPH319-01         09/15/06 21:52



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NP11512

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 2293 11X 09/14/06 08:00

# PROJECT QUALITY CONTROL DATA LCS

Analyte	Клоwп Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
BTEX in Air by GC/PID								
6092508-BS1								
Methyl tert-Butyl Ether	18.0	19,7		mg/m3	109%	70 - 130	6092508	09/15/06 02:31
Benzene	16.0	16.7		mg/m3	104%	70 - 130	6092508	09/15/06 02:31
Toluene	19.0	18.8		mg/m3	99%	70 - 130	6092508	09/15/06 02:31
Ethylbenzene	22.0	20.2		mg/m3	92%	70 - 130	6092508	09/15/06 02:31
Xylenes, lotal	65.5	64.4		Em\gm	98%	70 - 130	6092508	09/15/06 02:31
>C4 - C10 Hydrocarbans	226	202		mg/m3	89%	70 - 130	6092508	09/15/06 02:31



ANALYTICAL TESTING CORPORATION 2960 Foster Creighton Road Nashville, TN 37204 \* 600-765-0980 \* Fex 615-726-3404

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime

Altn

Work Order:

NPI1512

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 2293 11X

09/14/06 08:00

# PROJECT QUALITY CONTROL DATA Matrix Spike

Analyte	Orig, Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
BTEX in Air by GC/PID										
6092508-MS1										
Methyl tert-Butyl Ether	4.63	24.3		mg/m3	18.0	109%	70 - 130	6092508	NPI1470-01	09/15/06 22:22
Benzene	8.35	26.6		កស្វាកា	16.0	114%	70 - 130	6092508	NPI1470-01	09/15/06 22:22
Toluene	40.5	54.7		աբ/ու3	19.0	75%	70 - 130	6092508	NPI1470-01	09/15/06 22:22
Ethylbenzene	12.3	34.6		mg/m3	22,0	101%	70 - 130	6092508	NP11470-01	09/15/06 22:22
Xylenes, total	77.3	149		mg/m3	65.5	109%	70 - 130	6092508	NPI1470-01	09/15/06 22:22
>C4 - C10 Hydrocarbons	610	757	M8	mg/m3	226	65%	70 - 130	6092508	NPI1470-01	09/15/06 22:22



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Pctaluma, CA 94954

Attn Paula Sime

Work Order:

NP11512

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 2293 11X 09/14/06 08:00

### CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method

Matrix

ΛHIΛ

Nelac

California

EPA 18M

Air



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime Attn

Work Order:

NPI1512

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received:

2293 11X

09/14/06 08:00

### **NELAC CERTIFICATION SUMMARY**

TestAmerica Analytical - Nashville docs not hold NELAC certifications for the following analytes included in this report

Method EPA 18M <u>Matrix</u>

Лiг

<u>Analyte</u>

>C4 - C10 Hydrocarbons

Benzene Ediylbenzene

Methyl tert-Butyl Ether

Toluene Xylenes, total



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime Attn

Work Order:

NPI1512

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number:

2293 11X

Received:

09/14/06 08:00

## DATA QUALIFIERS AND DEFINITIONS

M8

The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

METHOD MODIFICATION NOTES





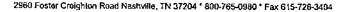


NPI1512

Coole 1. India	r Received	/Opened Il Trackin	d On_9/14 g Number (	1/06_@_ last 4 digi	08:00 ts for F	– edex oniv)	and Name of	Courier below:	<b>~</b>	
	Fed-Ex	UPS		ocity		AL	Route	Off-stree	_	fisc.
2. Tem (indic:	perature of reate IR Gun	epresenta ID#)	tive sample	or temper	ature b	lrnk wher	n opened;	<u>∾/A</u> De	grees Co	elsius
NA 3. Wes	A00466	le en	A00750		A0112		100190	101282	R	aynger ST
,,	a. If yes	, how mai	ny and wher	? e: /a)7					<b>(ES)</b> N	ioNA
4. Wer	e the seals int	act, slene	ð. and dated	COrrectly	,2					
5. Wer	e custody pap	ers inside	conter?	· correctly	**********			*******************	ŒSN	ONA
I certify	that I opened	the coole	er and answer				***************	************	VES)N	0NA
6. Wer	custody seal	t nn conte	inere			_				<u>′</u>
					YES	(NG)		and Intact	YES NO	o (NA
5 m					411	········	*****************	******	YESN	o.(Na)
/. YY Na	at kind of pa		-	d? B	ubblev	vrap	Peanuts	Vermiculite	Foar	n Insert
		Plastic b	ag Pa	iper	Oth	er		<b>&amp;</b>	<u></u>	
	ling process		Ice	Ice-paci		•	ect contact)		Other	None
9. Diđa	li containers a	arrive in g	ood condition	on ( unbro	ken)?	***************************************	*******************************		( <del>20</del> 2NC	
10. Wer	e all containe	r labels co	omplete (#, d	late, signe	d, pres.	, etc)?	····	*******	(PBSNC	
II. Did:	all container l	abels and	tags agree s	with custo	dv nena	+1×2			ÆSNO	
12. a. V	Vere VOA via	lla receive	d?				- ·			
b. Y	Vas there any	observab	le head spac	e present	in any	VOA vial?	·	······································	YESno	
I certify t	hat I unloade	d the cool	er and answ	ered ques	rions 6-	12 (intlet)		(	YESNO	
13. a. O	n preserved b	ottles did	the pH test	strins and	pest tha	t Dragonia	Man 1 - 1 -	he correct pH leve		512 <u>-</u>
b. D	ld the bottle la	abels indl	eate that the	Correct o	****	Huss so	used	ne correct pH leve		_
	If preservati	on in-hou	Se was need	rd rennad		- 4 TD - 4	reservative use		YESNO	<b>/</b> ?}
14. Was:	residual chlor	ine presei	nt?	, 100010	SIBILUE	10 113 OT D	reservative use	ed here		
I certify th	at I checked	for chlori	ne and nU -				• • • • • • • • • • • • • • • • • • • •		YESNO.	(2)
15. Were	custody san	<b>1</b>	ne siid bil s	s per sur	<u> And Ar</u>	iswered qu	uestions 13-14	<u>(intia])</u>		<u></u>
16. Did v	on cian the o	rotado		t (ink, sign	ied, etc)	?		***************************************	<b>₹</b> \$NO	NA
17 Wans	og sign tife Ci		pers in the a	ppropriat	e place?	?	*************	************	XESNO	NA
10 331	correct conta	iners used	l for the ana	ilysis requ	ested?.	••••		***************	1 <b>0</b> 8No.	NA
15. Wass	ulticient amo	unt of san	ople sent in	each cont	alner?	***********			¥€9NO.	NA
I certify th	<u>at I entered ti</u>	his projec	tinto LIMS	and answ	ered qu	estions 15	-18 (intial)	<u></u>	<u></u>	<b>.</b>
I certify th	at I attached	a fabel wi	th the uniqu	e <u>LIMS</u> n	<u>umber</u>	to each co	ntalner (intial)	***************************************	3n	
19. Were th	here Non-Con	formance	issues at lo	gin YES	16	Was a PI	PE generated	W. Company	——— NO #	
Cooler Rec	en in shipmen: eipt Form	l			rı	F_			·· <u></u>	

Test/Americ	a •	onsultant Name					 _	Exxo	nMol	oli En	ginee	r <u>Jen</u>	nifer	C. Se	ediache	 ek			
	100		s: <u>601 North</u>				_					er <u>(510</u>							
(615) 726-0177		City/State/Zip			94954		_			Acco	unt #	f:							_
Morgan Hill Division		Project Manage				<u>_</u>	_				PO#	: 4507	2071	87					
885 Jarvis Drive		phone Numbe					_		F	Facili	ty ID a	# 7-02	238						
Morgan Hill, CA 95037		RI Job Number		(monthly)		<u> </u>	_			Glob	al IDa	#_T060	0101	343					
Ex∕onMobil		er Name: (Prin	0	<u> Lev</u>	mn	<u>-</u>	_					2200			Street				
	San	pler Signature	<u> </u>	Sen	<u>~~~</u>		-					Oakl					<u> </u>	_	
TAT	PROVIDE:	Special Instri	uctions:			<del></del>		Τ-			г						——		
☐ 24 hour ☐ 72 hour	EDF Report	* include MTB	Ε	ľ	VPI151	12			Matri	<u> </u>	┢	Τ	Ţ	$\overline{}$	Analyzo	<u>e For</u>	<u>:</u>	Τ	
☐ 48 hour ☐ 96 hour	ĺ			09	/28/06 2	3:59					1	1		1				<b>i</b> '	1
☑ 8 day	[							1			<u>,</u>	ľ			1				
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Test/Americ	າລ ເ	onsultant Name						Exxo	nMol	bli En	gine	 er Jer	nifer	C. S	edlach		_		
(615) 726-0177	14160		s: 601 North				<del>_</del> .						) 547-(						
Morgan Hill Division		City/State/Zip			94954		_				ount #				_				
		Project Manage			<del></del>	<u> </u>	_				PO#	 450°	72071	 87			<u> </u>	<del>-</del> -	
885 Jarvis Drive		ophone Number			2012	2	_		F			# <b>7-</b> 0:		<u>-</u> -			—–		—
Morgan Hill, CA 95037	E	RI Job Number	r. <u>2293 11X (</u>	month(y)									001013						
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	San	npler Signature	: 1/2	يصمل	mn		<del>-</del>						and, C				<del></del>	<del></del>	
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☑ 8 day		- 000		<u></u>	1. O	9		3		]	١.		1		ļ			.	
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October 19, 2006

Client:

Attn:

ERI Petaluma (10228)

601 North McDowell B

Petaluma, CA 94954

Paula Sime

0CT 19 2806

Work Order:

NPJ1266

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Nbr: P/O Nbr: 2293 11X 4507207187

Date Received:

10/11/06

SAMPLE IDENTIFICATION

LAB NUMBER

COLLECTION DATE AND TIME

A-EFF A-INF NPJ1266-01 NPJ1266-02

10/06/06 11:45 10/06/06 12:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

California Certification Number: 01168CA

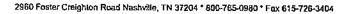
The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

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

Report Approved By:

Leah R. Klingensmith

Senior Project Management



Αιτα

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime

Work Order;

NPJ1266

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number:

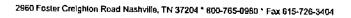
2293 11X

Received:

10/11/06 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
CI- ID. ND 111// 01 /4 E								
Sample ID: NPJ1266-01 (A-E	AFF - AFF) Sampled:	10/06/06 11:	45					
BTEX in Air by GC/PID								
Methyl tert-Butyl Ether	ND		mg/m3	0.500	L	10/12/06 00:41	EPA 18M	6102208
Benzene	DИ		mg/m3	0.500	l	10/12/06 00:41	EPA 18M	6102208
Toluene	ND		mg/m3	0.500	1	10/12/06 00:41	EPA 18M	6102208
Ethylbenzene	ND		nig/m3	0.500	1	10/12/06 00:41	EPA 18M	6102208
Xylenes, total	ND		mg/m3	1,50	l	10/12/06 00:41	EPA 18M	6102208
>C4 - C10 Hydrocarbons	ND		mg/m3	50.0	1	10/12/06 00:41	EPA 18M	6102208
Sample ID: NPJ1266-02 (A-I	NF - Air) Sampled:	10/06/06 12:0	00					
BTEX in Air by GC/PID								
Methyl tert-Butyl Ether	1.07		mg/m3	0.500	l	10/12/06 01:12	EPA 18M	6102208
Benzene	ND		mg/m3	0.500	1	10/12/06 01:12	EPA 18M	6102208
Toluene	ND		mg/m3	0,500	l	10/12/06 01:12	EPA 18M	610220B
Ethylbenzene	ND		mg/m3	0.500	1	10/12/06 01;12	EPA 18M	6102208
Xylenes, total	ND		mg/ni3	1.50	l	10/12/06 01:12	EPA 18M	6102208
>C4 - C10 Hydrocarbons	ND		nıg/m3	50,0	1	10/12/06 01:12	EPA 18M	6102208



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime Work Order;

NPJ1266

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received:

2293 11X 10/11/06 08:00

## PROJECT QUALITY CONTROL DATA Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time	
BTEX in Air by GC/PID							
6102208-BLK1							
Methyl tert-Butyl Ether	<0.210		mg/m3	6102208	6102208-BLK1	10/11/06 15:02	
Benzene	<0.270		mg/in3	6102208	6102208-BLK1	10/11/06 15:02	
Toluene	<0.190		mg/m3	6102208	6102208-BLK1	10/11/06 15:02	
Ethylbenzene	<0.190		mg/nւ3	6102208	6102208-BLK1	10/11/06 15:02	
Xylenes, total	<0,500		mg/m3	6102208	6102208-BLKI	10/11/06 15:02	
C1 - C4 Hydrocarbons	<0.620		mg/m3	6102208	6102208-BLK1	10/11/06 15:02	
>C4 - C10 Hydrocarbons	<1.85		mg/m3	6102208	6102208-BLK1	10/11/06 15:02	



Attn

Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime

Work Order.

NPJ1266

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number:

2293 11X

Received:

10/11/06 08:00

## PROJECT QUALITY CONTROL DATA

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
BTEX in Air by GC/PID								
6102208-BS1								_
Methyl tert-Butyl Ether	18,0	18,1		mg/m3	101%	70 - 130	6102208	10/12/06 04:44
Benzene	16.0	15,3		աց/m3	96%	70 - 130	6102208	10/12/06 04:44
Toluene	19.0	17,8		mg/m3	94%	70 - 130	6102208	10/12/06 04:44
Ethylbenzene	22.0	19.5		mg/m3	89%	70 - 130	6102208	10/12/06 04:44
Xylenes, total	65.5	59.6		mg/m3	91%	70 - 130	6102208	10/12/06 04:44
C1 - C4 Hydrocarbons	29.5	29.8		mg/m3	101%	70 - 130	6102208	10/12/06 04:44
>C4 - C10 Hydrocarbons	226	208		mg/m3	92%	70 - 130	6102208	10/12/06 04:44



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime Attn

Work Order:

NPJ1266

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received:

2293 11X 10/11/06 08:00

### CERTIFICATION SUMMARY

## TestAmerica - Nashville, TN

Method	Matrix	AllIA	Nelac	Californ	uia		
EPA 18M	Air	 	 			 	
NA	Air						



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NPJ1266

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 2293 11X 10/11/06 08:00

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method EPA 18M

Mntrix Air

<u>Analyte</u>

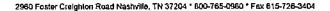
>C4 - C10 Hydrocarbons

Benzene Ethylbenzene

Methyl tert-Butyl Ether

Toluene Xylenes, total Bring .

						man wells,									من کادر در			
Test/America	Co	onsultant Name	: Environme	ntal Resolu	itions, Inc.	<u>.</u>		Exxo	ıMob	II En	gineer	Jenni	fer C	. Sedl	achek			
		Address	: 601 North (	McDowell E	3lvd.		_	Tele	ерһо	ne Ni	mber	(510) 5	47-81	96	_			
(615) 726-0177		City/State/Zip	: <u>Petaluma, i</u>	California !	94954		_			Acco	unt #:_					N	PJ1	266
Morgan Hill Division	F	Project Manage	r <u>Paula Sime</u>	·			PO #: 4507207187							10/	25/06	23:59		
885 Jarvis Drive	Tele	phone Number	: <u>(707)</u> 766-2	1000			_		F	acilit	y ID#	7-023	8					
Morgan Hill, CA 95037	E	RI Job Number	; 2293 11X (ı	monthly)			_			Glob	al ID#	T0600	10134	3				
E <b>x</b> onMobil	Sampl Sam	Sampler Name: (Print)					Site Address 2200 East 12th Street City, State Zip Oakland, California											
TAT	PROVIDE:	Special Instru	uctions:		-			Γ_	Matri	x		_		Aı	nalyze	For:		-
☐ 24 hour ☐ 72 hour	EDF Report	* Include MTB	E											T	]			
□ 48 hour □ 96 hour													-					
☑ 8 day									ļ		196	ŀ					-	
Sample ID / Descript	lon	DATE	TIME	СОМР	GRAB	PRESERV	NUMBER	Water	Spil	Vapor	EPA	_		$\perp$				
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telinquished by:	Date		Time	1	Received by	TestAmerica		10	711	/ <b>U</b> Ø	حهد ا	00				Heads		





July 14, 2006

Client:

ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn:

Paula Sime

Work Order:

NPG1310

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Nbr:

2293

P/O Nbr: Date Received:

4507207187 07/13/06

CARINI	E ID	APPENDING STREET	ICATION
NAMPL	.N. 117	16.N I I 6	II.A I IUN

#### LAB NUMBER

#### COLLECTION DATE AND TIME

W-PSP-1	NPG1310-01	07/11/06 15:20
W-INT-2	NPG1310-02	07/11/06 15:30
W-INT-1	NPG1310-03	07/11/06 15:40
W-INF	NPG1310-04	07/11/06 15:50

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

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California Certification Number: 01168CA

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

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

Report Approved By:

Jim Hatfield

Project Management



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Ann Paula Sime

Work Order:

NPG1310

Project Name:

Exxen(06) 7-0238 PO:4507207187

Project Number: 2293

Received:

07/13/06 08:00

ANAL	VTI	CAL	REPO	DT
AIM	J 1 1 1	LAL	TCT U	JK I

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPG1310-01 (W-PSP-	1 - Water) San	pled: 07/	11/06 15:20					
Volatile Organic Compounds by EPA N	Method 8021B							
Benzene	ND		ug/L	0.50	1	07/14/06 02:26	SW846 8021B	6072230
Ethylbenzene	ND		ug/L	0.50	ı	07/14/06 02:26	SW846 8021B	6072230
Methyl tert-Butyl Ether	ND		υg/L	0.50	1	07/14/06 02:26	SW846 8021B	6072230
Toluene	ND		ug/L	0.50	1	07/14/06 02:26	SW846 8021B	6072230
Xylenes, total	ND		ug/L	0.50	1	07/14/06 02:26	SW846 8021B	6072230
Surr: a,a,a-Trifluorotoluene (63-134%)	101 %					07/14/06 02:26	SW846 8021B	6072230
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	07/14/06 02:26	SW846 8015B	6072230
Surr: a.o.a-Trifluorotoluene (63-134%)	101%					07/14/06 02:26	SW846 8015B	6072230
Sample ID: NPG1310-02 (W-INT-	2 – Water) San	pled: 07/	11/06 15:30					
Volatile Organic Compounds by EPA i								
Benzene	ND		ug/L	0.50	1	07/14/06 02:41	SW846 8021B	6072230
Ethylbenzene	ND		ug/L	0,50	l	07/14/06 02:41	SW846 8021B	6072230
Methyl tert-Butyl Ether	ND		ug/L	0.50	l	07/14/06 02:41	SW846 8021B	6072230
Toluene	ND		ug/L	0.50	l	07/14/06 02:41	SW846 8021B	6072230
Xylenes, total	ND		ug/L	0,50	1	07/14/06 02:41	SW846 8021B	6072230
Surr: a,a,a-Trifluorotoluene (63-134%)	100 %					07/14/06 02:41	SIV846 8021B	6072230
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	l	07/14/06 02:41	SW846 8015B	6072230
Surr: a,a,a-Trifluorotoluene (63-134%)	100 %					07/14/06 02:41	SW846 8015B	6072230
Sample ID: NPG1310-03 (W-INT-	1 - Water) San	npled: 07/	11/06 15:40					
Volatile Organic Compounds by EPA	Method 8021B							
Benzenc	ND		ug/L	0.50	l	07/14/06 02:57	SW846 8021B	6072230
Ethylbenzene	ND		ug/L	0.50	1	07/14/06 02:57	SW846 8021B	6072230
Methyl tert-Butyl Ether	ND		ug/L	0,50	1	07/14/06 02:57	SW846 8021B	6072230
Toluene	ND		ug/L	0.50	1	07/14/06 02:57	SW846 8021B	6072230
Xylenes, total	ND		ug/L	0.50	l	07/14/06 02:57	SW846 8021B	6072230
Surr: a,a,a-Trifluorotoluene (63-134%)	101 %					07/14/06 02:57	SW846 8021B	6072230
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50,0	1	07/14/06 02:57	SW846 8015B	6072230
Surr: a,a,a-Trifluorotoluene (63-134%)	101 %					07/14/06 02:57	SW846 8015B	6072230
Sample ID: NPG1310-04 (W-INF	- Water) Samp	oled: 07/1	1/06 15:50					
Volatile Organic Compounds by EPA	Method 8021B							
Benzene	ND		ug/L	0.50	1	07/14/06 03:12	SW846 8021B	6072230
Ethylbenzene	ND		ug/L	0.50	1	07/14/06 03:12	SW846 8021B	6072230
Methyl tert-Butyl Ether	47.6		ug/L	0,50	1	07/14/06 03:12	SW846 8021B	6072230
Toluene	ND		ug/L	0,50	1	07/14/06 03:12	SW846 8021B	6072230
Xylenes, total	ND		ug/L	0,50	l	07/14/06 03:12	SW846 8021B	6072230
Surr: a,a,a-Trifluorotoluene (63-134%)	97 %					07/14/06 03:12	SW846 8021B	6072230



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Pelaluma, CA 94954

Attn Paula Sime

Work Order:

NPG1310

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: 2293

Received:

07/13/06 08:00

#### ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPG1310-04 (W-INF Purgeable Petroleum Hydrocarbons	- Water) - con	t. Sampled:	07/11/06 15:	50				
GRO as Gasoline	63.6		ug/L	50.0	1	07/14/06 03:12	SW846 8015B	6072230
Surr: a.a.a-Trifluorotoluene (63-134%)	97 %					07/14/06 03:12	SW846 8015B	6072230



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NPG1310

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number, 2293

Received:

07/13/06 08:00

## PROJECT QUALITY CONTROL DATA Blank

	DI					Assissed Day Ties
Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by	EPA Method 8021B					
6072230-BLK1						
Benzene	<0.42		ug/L	6072230	6072230-BLK1	07/13/06 12:26
Ethylbenzene	<0.36		սg∕L	6072230	6072230-BLK1	07/13/06 12:26
Methyl terr-Butyl Ether	<0,31		ug/L	6072230	6072230-BLK1	07/13/06 12:26
Toluene	0.399		ոց∕L	6072230	6072230-BLK1	07/13/06 12:26
Xylenes, total	0.367		ug/L	6072230	6072230-BLK1	07/13/06 12:26
Surrogate: a,a,a-Trifluorotoluene	102%			6072230	6072230-BLK1	07/13/06 12:26
Purgeable Petroleum Hydrocarb	ons					
6072230-BLK1						
GRO as Gasoline	<39,0		ug/L	6072230	6072230-BLK1	07/13/06 12;26
Surragate: a.a.a-Trifluorotoluene	102%			6072230	6072230-BLK1	07/13/06 12:26



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime

Attn

Work Order:

NPG1310

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: 2293

Received:

07/13/06 08:00

## PROJECT QUALITY CONTROL DATA LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Rænge	Batch	Analyzed  Date/Time
Volatile Organic Compounds by E	PA Method 8021B				• • •			
6072230-BS1								
Benzene	100	93.5		ug/L	94%	77 - 122	6072230	07/13/06 19:57
Ethylbertzene	100	93.1		ug/L	93%	77 - 121	6072230	07/13/06 19:57
Methyl tert-Butyl Ether	100	105		ug/L	105%	65 - 125	6072230	07/13/06 19:57
Toluene	100	91.0		ug/L	91%	74 - 121	6072230	07/13/06 19:57
Xylenes, total	200	206		ug/L	103%	72 - 121	6072230	07/13/06 19:57
Surrogate: a,a,a-Trifluoratolyene	30.0	32.0			107%	63 - 134	6072230	07/13/06 19:57
Purgeable Petroleum Hydrocarboi	15							
6072230-BS1								
GRO as Gasoline	1100	1690		ug/L	154%	68 - 128	6072230	07/13/06 19:57
Surrogate; a,o,a-Trifluorotolucne	30.0	32,0			107%	63 - 134	6072230	07/13/06 19:57
6072230-BS2								
GRO as Gasoline	1000	990		ug/L	99%	68 - 128	6072230	07/13/06 20:27
Surrogate: a,a,a-Trifluorotoluene	30.0	32.5			108%	63 - 134	6072230	07/13/06 20:27



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NPG1310

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: 2293

Received:

07/13/06 08:00

## PROJECT QUALITY CONTROL DATA Matrix Spike

Analyte	Orig. Val,	MS Val	Q Uni	s Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by	EPA Method 8021	В							
6072230-MS1									
Benzene	ND	48.7	ug/	. 50,0	97%	50 - 159	6072230	NPG1310-01	07/14/06 03;27
Ethylbenzene	ND	58,0	ug/	50.0	116%	50 - 155	6072230	NPG1310-01	07/14/06 03:27
Methyl tert-Butyl Ether	ND	47.4	ບຼຽ	L 50.0	95%	41 - 153	6072230	NPG1310-01	07/14/06 03:27
Toluçna	0.0860	49.9	ug/	50.0	100%	57 - 150	6072230	NPG1310-01	07/14/06 03:27
Xylenes, total	ND	113	og/	L 100	113%	48 - 151	6072230	NPG1310-01	07/14/06 03:27
Surrogate: a,a.a-Trifluorotoluene		31.6	ug/	i. 30,0	105%	63 - 134	6072230	NPG1310-01	07/14/06 03;27
Purgeable Petroleum Hydrocari	bons								
6072230-MS1									
GRO as Gasoline	0,451	837	ид/	L 550	152%	43 - 146	6072230	NPG1310-01	07/14/06 03:27
Surrogale: a,a,a-Trifluorotoluene		31.6	ug/	L 30,0	105%	63 - 134	6072230	NPG1310-01	07/14/06 03:27



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NPG1310

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: 2293

Received:

07/13/06 08:00

# PROJECT QUALITY CONTROL DATA Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Cone	% Rec.	Target Ronge	RPD	Limit	Baich	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EP.	A Method 8	3021B						•				••••••••••••
6072230-MSD1												
Веллене	ND	49.6		ug/L	\$0.0	99%	50 - 159	2	33	6072230	NPG1310-01	07/14/06 03:42
Ethylbenzene	ND	53,0		ug/L	50 0	106%	50 - 155	9	35	6072230	NPG1310-01	07/14/06 03:42
Methyl text-Butyl Ether	ND	50.4		սը∕L	50,0	101%	41 - 153	6	37	6072230	NPG1310-01	07/14/06 03:42
Toluene	0.0860	50.7		ug/L	50,0	101%	57 - 150	2	33	6072230	NPG1310-01	07/14/06 03:42
Xylenes, total	ND	116		ug/L	100	116%	48 - 151	3	35	6072230	NPG1310-01	07/14/06 03:42
Surrogule: a,a,o-Trifluorotoluene		30,7		ug/L	30.0	102%	63 - 134			6072230	NPG1310-01	07/14/06 03:42
Purgeable Petroleum Hydrocarbons												
6072230-MSD1												
GRO as Gasoline	0.451	896		ug/L	550	163%	43 - 146	7	27	6072230	NPG1310-01	07/14/06 03:42
Surrogote: a,a,a-Trifluorotoluene		30.7		பத/டே	10,0	102%	63 - 134			6072230	NPG1310-01	07/14/06 03:42



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NPG1310

2293

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number:

Received:

07/13/06 08:00

#### CERTIFICATION SUMMARY

### TestAmerica - Nashville, TN

Method	Matrix	AHA	Nelac	California	
NA	Water				
SW846 8015B	Water	N/A	Х	X	
SW846 8021B	Water	N/A	x	X	



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Atin Paula Sime

Work Order:

NPG1310

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: 2293

Received:

07/13/06 08:00

### **NELAC CERTIFICATION SUMMARY**

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method

<u>Matrix</u>

Analyte



## Nashville Division COOLER RECEIPT FORM



BC#

NPG1310

Fed-Ex UPS Velocity DHL Route Off-street Misc.  2. Temperature of representative sample or temperature blank when opened: 1.3 Degrees Celsius (indicate IR Gun ID#)  NA 400466 A00750 A01124 100190 101282 Raynger S
(indicate IR Gun ID#)
NA 400466 A00750 A01124 100190 101282 Ruynger S
3. Were custody seals on autside of cooler?
a. If yes, bow many and where:
4. Were the seals intact, signed, and dated correctly?
5. Were custody papers Inside cooler?
I certify that I opened the cooler and answered questions 1-5 (Intial)
6. Were custody seals on containers: YES NO and Intact YES NO NA
were these signed, and dated correctly?
7. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert
Plastic bag Paper Other None
8. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other Non-
9. Did all containers service in good condition (unbroken)?
10. Were all container labels complete (#, date, signed, pres, etc)?
11. Did all container labels and tags agree with custody papers?
12. B. Werc VOA vials received? (ES.) NONA
b. Was there any observable head space present in any VOA vial?
I certify that I unloaded the cooler and answered questions 6-12 (intial)
13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES. DO
b. Did the bottle labels indicate that the correct preservatives were used
If preservation in-house was needed, record standard ID of preservative used here
14. Was residual chlorine present?
I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (Intial)
15. Were custody papers properly filled out (ink, signed, etc)?
16. Did you sign the custody papers in the appropriate place?
17. Were correct containers used for the analysis requested?
18. Was sufficient amount of sample sent in each container?
I certify that I entered this project into LIMS and answered questions 15-18 (intial)
I certify that I situsched a label with the unique LIMS number to each container (intini),
19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES #_
BIS = Broken in shipment  Cooler Receipt Form  LF-1  Revised 3/9/

End of Form

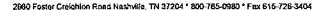
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### CHAIN OF CUSTODY REGORD



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

Toot A monion	Co	Consultant Name: Environmental Resolutions, Inc.				ExxonMobil Engineer Jennifer C. Sedlachek														
Test/America	Ļ	Address: 601 North McDowell Blvd.						Telephone Number (510) 547-8196												
(615) 726-8177		City/State/Zip: Petaluma, California 94954						Account #: 10228							$\dashv$					
Morgan Hill Division	P	roject Manager	Paula Sime					PO #: 4507207187												
885 Jarvis Drive	Tele	phone Number.	<u>(707) 766-2</u>	000					Fe	acility	/ ID #	7-023	38_							_
Morgan Hill, CA 95037	E	RI Job Number:	2293 11X (J	July)			_	Global ID# T0600101343												
Colora Bilabil	Sample	er Name: (Print)	Can h	1. 11144	COK	<del> </del>			Site	e Add	ress	2200	East 1	12 <u>th S</u>	treet					
ExonMobil	Sam	pler Signature	Sh						City,	, Stat	e Zip	Oakla	nd, C	allform	nla					_
<b>5</b> /1	PROVIDE:	Special Instru	ictions:						Matrix	,					Апајуzе	э Гог.				コ
24 hour 2 72 hour	EDF Report															I _			-	.
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Sample ID / Descrip	tion	DATE	TIME	СОМР	GRAB	PRESERV	NUMBER	Water	ŭ	Vapor	ΤF	<u> </u>	Σ	<u> </u>	1	nc			$\dashv$	
W-PSP-1		7-11-06	15:20		Х	HCL	5VOA	х			х	х	X		/U	ت	<u>                                     </u>	3/4	ᅼ	01
W-INT-2			15 30		×	HCL	5VOA	х			х	X	X	_		$oxed{oxed}$	<u> </u>	Ш	_	02
W-INT-1			1540		х	HCL	5VOA	х			х	х	x			ļ	<u> </u>			03
W-INF			1550		х	HCL	5VOA_	х		:	х	X.	x			<u> </u>			{	24
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Relinquished by:	Date 7-	12-06	Time 09	100	Received b	Violation in the second in the	Keree Wzb	اا ا~7	12- <del>0</del>	Time G	101	0	Labo	Tem	ry Com peratur	e Upo	n Red		.3	٥٢
Relinquished by Fill Henry	GAL Dale 1/12	106	Time /4	<u> </u>	Received b	y-TeetAmeric	Fed	٤,		Time	14	15			pie Cor s Free					
							-7/	120	12		0	<b>)</b>	,							





August 21, 2006

Client: ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn: Paula Sime

Work Order: NPH1238

Project Name: Exxon(06) 7-0238 PO:4507207187

Project Nbr: 2293 11X
P/O Nbr: 4507207187
Date Received: 08/09/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
-----------------------	------------	--------------------------

W-PSP-I	NPH1238-01	08/04/06 10:30
W-INT-2	NPH1238-02	08/04/06 10:43
W-INT-I	NPH1238-03	08/04/06 11:00
W-INF	NPH1238-04	08/04/06 11:15

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

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California Certification Number: 01168CA

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

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

Report Approved By:

Gail A Lage

Senior Project Manager

Itais a dage



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime

Atm

Work Order:

NPH1238

Project Name:

Exxon(06) 7-0238 PO:4507207187 2293 11X

Project Number: Received:

08/09/06 08:00

#### ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPH1238-01 (W-PSP-	1 - Water) San	pled: 08/0	4/06 10:30					
Volatile Organic Compounds by EPA 1		-						
Benzene	ND		ug/L	1.00	1	08/16/06 18:04	SW846 8021B	6083154
Ethylbenzene	ND		ug/L	1,00	1	08/16/06 18:04	SW846 8021B	6083154
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	08/16/06 18:04	SW846 8021B	6083154
Toluene	ND		ug/L	1.00	1	08/16/06 18:04	SW846 8021B	6083154
Xylenes, total	ND		ug/L	3.00	1	08/16/06 18:04	SW846 8021B	6083154
Surr: a,a,a-Trifluorotoluene (63-134%)	80 %					08/16/06 18:04	SIY846 8021B	6083154
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	08/16/06 18:04	SW846 8015B	6083154
Surr: a,a,a-Trifluorotoluene (63-134%)	80 %					08/16/06 18:04	SIY846 8015B	6083154
Sample ID: NPH1238-02 (W-INT-	2 - Water) San	npled: 08/0	4/06 10:43					
Volatile Organic Compounds by EPA	Method 8021B							
Benzene	ND		ug/L	1.00	ı	08/16/06 18:30	SW846 8021B	6083154
Ethylbenzene	ND		ug/L	1.00	1	08/16/06 18:30	SW846 8021B	6083154
Methyl tert-Butyl Ether	ND		ug/L	1,00	1	08/16/06 18:30	SW846 8021B	6083154
Toluene	ND		ug/L	1.00	1	08/16/06 18:30	SW846 8021B	6083154
Xylenes, total	ND		ug/L	3,00	1	08/16/06 18:30	SW846 8021B	6083154
Surr: a,a,a-Trifluorotoluene (63-134%)	77 %					08/16/06 18:30	SIY846 8021B	6083154
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	ı	08/16/06 18:30	SW846 8015B	6083154
Surr: a,a,a-Trifluorotoluene (63-134%)	77 %					08/16/06 18:30	SW846 8015B	6083154
Sample ID: NPH1238-03 (W-INT-	1 - Water) Sar	npled: 08/0	04/06 11:00					
Volatile Organic Compounds by EPA	Method 8021B							
Benzene	ND		ug/L	1.00	1	08/16/06 18:55	SW846 8021B	6083154
Ethylbenzene	ND		ug/L	1.00	1	08/16/06 18:55	SW846 8021B	6083154
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	08/16/06 18:55	SW846 8021B	6083154
Toluene	ND		ug/L	1,00	1	08/16/06 18:55	SW846 8021B	6083154
Xylenes, total	סא		ug/L	3.00	l	08/16/06 18:55	SW846 8021B	6083154
Surr: a,a,a-Trifluorotoluene (63-134%)	77 %					08/16/06 18:55	SW846 8021B	6083154
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	08/16/06 18:55	SW846 8015B	6083154
Surr: a,a,a-Trifluorotoluene (63-134%)	77 %					08/16/06 18:55	SW846 8015B	6083154
Sample ID: NPH1238-04 (W-INF	- Water) Samp	oled: 08/04	/06 11:15					
Volatile Organic Compounds by EPA	Method 8021B							
Benzena	ND		ug/L	1,00	l	08/16/06 19:21	SW846 8021B	6083154
Ethylbenzene	ND		ug/L	1.00	1	08/16/06 19:21	SW846 8021B	6083154
Methyl tert-Butyl Ether	9.84		ug/L	1,00	ı	08/16/06 19:21	SW846 8021B	6083154
Toluene	ND		ug/L	1.00	1	08/16/06 19:21	SW846 8021B	6083154
Xylenes, total	ND		ug/L	3.00	1	08/16/06 19:21	SW846 8021B	6083154
Surr: a,a.a-Trifluor otoluene (63-134%)	80 %					08/16/06 19:21	SW846 8021B	6083154



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NPH1238

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number:

2293 11X

Received;

08/09/06 08:00

### ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPH1238-04 (W-INF	- Water) - cont	. Sampled:	08/04/06 1	1:15				
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50,0	1	08/16/06 19:21	SW846 8015B	6083154
Surr: a,a,a-Trifluorotoluene (63-134%)	80 %					08/16/06 19:21	SIV846 8015B	6083154



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Paula Sime

Attn

Work Order:

NPH1238

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received:

2293 11X 08/09/06 08:00

# PROJECT QUALITY CONTROL DATA Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by	EPA Method 8021B			•	•••••	•••••••••••••••••••••••••••••••••••••••
6083154-BLK1						
Betzme	<0,440		ug/L	6083154	6083154-BLK1	08/16/06 13:09
Ethylbenzene	<0.410		ug/L	6083154	6083154-BLK1	08/16/06 13:09
Methyl text-Butyl Ether	<0.510		ng/L	6083154	6083154-BLK1	08/16/06 13:09
Toluene	<0.540		ug/L	6083154	6083154-BLK1	08/16/06 13:09
Xylmes, total	<1.23		ug/L	6083154	6083154-BLK1	08/16/06 13:09
Surrogate: a,a,a-Trifluarotoluene	80%			6083154	6083154-BLK1	08/16/06 13:09
Purgeable Petroleum Hydrocar	bons					
6083154-BLK1						
GRO as Gasoline	<39.0		ug/L	6083154	6083154-BLK1	08/16/06 13:09
Surrogate: a,a,a-Trifluorotoluenc	80%			6083154	6083154-BLK1	08/16/06 13:09



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NPH1238

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received:

2293 11X 08/09/06 08:00

## PROJECT QUALITY CONTROL DATA

#### LCS

Anniyte	Клоwп Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by	EPA Method 8021B							
6083154-BS1								
Benzene	100	107		ug/L	107%	77 - 122	6093154	08/17/06 02:38
Ethylbenzene	100	105		ug/L	105%	77 - 121	6083154	08/17/06 02:38
Methyl tert-Butyl Ether	100	99.4		ug/L	99%	65 - 125	6083154	08/17/06 02:38
Toluene	100	99.8		ug/L	100%	74 - 121	6083154	08/17/06 02:38
Xylenes, total	200	199		ug/L	100%	72 - 121	6083154	08/17/06 02:38
Surrogate: a,a,a-Trifluorotoluene	30.0	25.1			84%	63 - 134	6083154	08/17/06 02:38
Purgeable Petroleum Hydrocarl	bons							
6083154-BS2								
GRO as Gasoline	1000	979		ug/L	98%	68 - 128	6083154	08/17/06 03:04
Surrogate: a,a,a-Trifluorololuene	30.0	27.2			91%	63 - 134	6083154	08/17/06 03:04



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order:

NPH1238

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 2293 11X 08/09/06 08:00

#### CERTIFICATION SUMMARY

### TestAmerica - Nashville, TN

Method	Matrix	AJIJA	Nelac	California	
NA	Water				
SW846 8015B	Water	N/A	х	x	
SW846 8021B	Water	N/A	x	x	



Client ERI Petaluma (10228)

601 North McDowell Blvd.

Petaluma, CA 94954

Attn Paula Sime

Work Order.

NPH1238

Project Name:

Exxon(06) 7-0238 PO:4507207187

Project Number: Received: 2293 11X

08/09/06 08:00

### **NELAC CERTIFICATION SUMMARY**

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method

<u>Matrix</u>

<u>Analyte</u>



# Nashville Division COOLER RECEIPT FORM



NPH1238

Cooler Received/Opened On: 8/09/2006 8:00  1. Indicate the Airbill Tracking Number (last 4 digits for Feder only) and Name of Courier below:
FED-EX  Temperature of representative sample or temperature blank when opened:Degrees Celsius (indicate IR Gun ID#)
<u>101507</u> .
3. Were custody seals on outside of cooler?
z. If yes, bow many and where:
4. Were the seals intact, signed, and dated correctly?
5. Were custody papers inside cooler?
I certify that I opened the cooler and answered questions 1-5 fintial)
6. Were custody seals on containers: YES NO and Intact YES NO NA
were these signed, and dated correctly?
7. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert
Plastic bag Paper Other None
8. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
9. Did all containers arrive in good condition (unbroken)?
10. Were all container labels complete (#, date, signed, pres, etc)?
11. Did all container labels and tags agree with custody papers?
12. g. Were VOA vials received?
b. Was there any observable head space present in any VOA vial?
I certify that I unloaded the cooler and suswered questions 6-12 (futial)
13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YESNO. NA
b. Did the bottle labels indicate that the correct preservatives were used
If preservation in-house was needed, record standard ID of preservative used here
14. Was residual chlorine present? YES: NO(NA)
I certify that I checked for chiorine and pH as per SOP and answered questions 13-14 (lutian)
15. We're custody papers property filled out (link, signed, etc)? (YES. NO. NA
16. Did you sign the custody papers in the appropriate place?
17. Wer's correct containers used for the shalysis requested?
18. Was sufficient amount of sample sent in each container?
I certify that I entered this project into LIMS and answered questions 15-18 (intial)
I certify that I attached a label with the unique LIMS number to each container (Intial)
19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES NO #

BC#

 $\mathcal{D}_{a_{i}, b_{i}, b_{i}}^{(i)}$  at

Test/America	Co	nsultant Name	: Environme	ntal Resolu	tions, inc.			XXO	nMob	II Eng	glnee	r Jenn	ifer C	). Se	dlache	k			
	Ą.	Address	: 601 North I	McDowell B	lvd.		_	Tele	epho	пө Ми	edmı	(510)	547-8	196_					
(615) 726-0177		City/State/Zip	: Petaluma,	California 9	4954		_	Account #: 10228											
Morgan Hill Division	F	roject Manage	oject Manager Paula Sime					PO #: 4507207167											
885 Jarvis Drive	Tele	phone Number: (707) 766-2000					_	Facility ID # 7-0238											
Morgan Hill, CA 95037	E	RI Job Number	: 2293 11X (	August)	_		_	Global ID# T0600101343											
E≪onMobil		er Name: (Print ipler Signature		erm			-					2200 Oakla							
TAT	PROVIDE:	Special Instru	uctions:						Matri	x					Analyze	e For.			
□ 24 hour □ 72 hour	EDF Report	}										}							
☐ 48 hour ☐ 96 hour	1							}			\$B	6	S				l		1
  ⊠ 8 day											8015B	8021B	8020		V	<b>JPH</b>	112	38	
Sample ID / Descrip	tlon_	DATE	TIME	СОМР	GRAB	PRESERV	NUMBER	Waler	Soil	Vapor	ТРН	BTEX	MTBE		08. 	/23/0	)6 23 	):59 	
W-PSP-1		8/4/01	1030		Х	HCL	5VOA	x			x	Х	X		$\Box$		01		
W-INT-2		7	1043		х	HCL	5VOA	X			х	Х	х				2		
W-INT-1			1100		×	HCL	5VOA	х			х	х	х		(	$\mathcal{T}$	3		
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	un Date 8		Time 9 to	0	Received b	y Olan y Teslamin	M 370 5		1-01 8:4	Time O	40	rù	Labo	Temp	r <b>y Com</b> i perature ple Con	e Upor	n Rec	•	
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25 September, 2006

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

RE: Exxon 7-0238 Work Order: MPI0357

Enclosed are the results of analyses for samples received by the laboratory on 09/12/06 18:20. The samples arrived at a temperature of 3° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina Woodcock Project Manager

CA ELAP Certificate #1210

Chritan Noodcock





Environmental Resolutions (Exxon)
Project: Exxon 7-0238
MPI0357
601 North McDowell Blvd.
Project Number: 7-0238
Reported:
Petaluma CA, 94954
Project Manager: Paula Sime
09/25/06 14:22

#### ANALYTICAL REPORT FOR SAMPLES

	,			
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-PSP-1	MPI0357-01	Water	09/08/06 12:00	09/12/06 18:20
W-INT-2	MPI0357-02	Water	09/08/06 12:30	09/12/06 18:20
W-INT-I	MP10357-03	Water	09/08/06 13:00	09/12/06 18:20
W-INF	MPI0357-04	Water	09/08/06 13:30	09/12/06 18:20





Environmental Resolutions (Exxon) 601 North McDowell Blvd. Project: Exxon 7-0238

MPI0357 Reported: 09/25/06 14:22

Petaluma CA, 94954

Project Number: 7-0238
Project Manager: Paula Sime

W-PSP-1 (MPI0357-01) Water Sampled: 09/08/06 12:00 Received: 09/12/06 18:20

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics (C4-C12)	ND	50	ug/i	1	6121007	09/21/06	09/21/06	EPA 80 5B/8021B	
Benzene	ND	0.50		77	r.	M	,,	•	
Toluene	ND	0.50	-	•	₩.	н	•	F	
Ethylbenzene	ND	0.50	r	•		<b>m</b>	н		
Xylenes (total)	ND	0.50		•		))	•	п	
Methyl tert-butyl ether	ND	2.5	-	•	•	7	7		
Surragate: a,a,a-Trifluorotoluene		108 %	85	-120	п	"	"	"	-
Surrogate: 4-Bromofluorobenzenc		95 %	75	-125	er	"	,	r	





Project: Exxon 7-0238

MPI0357 Reported:

601 North McDowell Blvd. Petaluma CA, 94954 Project Number: 7-0238
Project Manager: Paula Sime

09/25/06 14:22

W-INT-2 (MPI0357-02) Water

Sampled: 09/08/06 12:30 Received: 09/12/06 18:20

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

Analyte	Result	Reporting Limit	Unite	Dilution	Baich	Prepared	Analyzed	Method	Note
Gasoline Range Organics (C4-C12)	ND	50	υg/l	i	6120020	09/20/06	09/21/06	EPA 8015B/8021B	_
Benzene	ND	0.50	4	•	•		н	•	
Toluene	ND	0.50	•		-	п		•	
Ethylbenzene	ND	0.50			•	77	11	7	
Xylenes (total)	ND	0.50	•	7		H		-	
Methyl tert-butyl ether	ND	2.5	-	•	<u> </u>	Ħ			
Surrogate: a,a,a-Trifluorotoluene		110%	85	-120	и	11	F2	"	-
Surrogate: 4-Bromofluorobenzene		93 %	75	-125	п	*	n	"	





Environmental Resolutions (Exxon) 601 North McDowell Blvd.

Project: Exxon 7-0238

Project Number: 7-0238
Project Manager: Paula Sime

MPI0357 Reported: 09/25/06 14:22

W-INT-1 (MPI0357-03) Water

Pctaluma CA, 94954

Sampled: 09/08/06 13:00 Received: 09/12/06 18:20

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

		Reporting							
Analyte	Result	Limit	Units	Dilution	Baich	Prepared	Analyzed	Method	Note
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6120020	09/20/06	09/21/06	EPA 8015B/8021B	•
Benzene	ND	0.50		-	n			<b>m</b>	
Toluene	ND	0.50	•	-	11	₩	π	•	
Ethylbenzene	ND	0.50		T	п	•	7	•	
Xylenes (total)	ND	0.50	-		11	•		<b>H</b>	
Methyl tert-butyl ether	ND	2.5	-	•	п	•		•	
Surrogate: a,a,a-Trifluorotoluene		108 %	85-	-120	11	"	"	n	
Surrogate: 4-Bromofluorobenzene		93 %	<i>75</i> -	-125	"	**	"	"	





Environmental Resolutions (Exxon)
Project: Exxon 7-0238
MPI0357
601 North McDowell Blvd.
Project Number: 7-0238
Project Manager: Paula Sime
O9/25/06 14:22

W-INF (MPI0357-04) Water Sampled: 09/08/06 13:30 Received: 09/12/06 18:20

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

		Reporting							
Апаlуте	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics (C4-C12)	ND	50	ug/l	ı	6121007	09/21/06	09/21/06	EPA 8015B/8021B	-
Benzene	ND	0.50	-	,	•	•	h	n	
Toluene	ND	0.50		•	<b>"</b>	-	n	n	
Ethylbenzene	ND	0.50	,	•	,		п	n	
Xylenes (total)	ND	0.50		=		*	п	18	
Methyl tert-butyl ether	9.1	2.5		н	7	×		R	
Surrogate: a,a,a-Trifluorotoluene		110%	85	-120	"	-	"	77	
Surrogate: 4-Bromofluorobenzene		96 %	75	-125	"	п	#	μ	





601 North McDowell Blvd. Petaluma CA, 94954 Project: Exxon 7-0238

Project Number: 7-0238 Project Manager: Paula Sime MPI0357 Reported: 09/25/06 14:22

# Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control TestAmerica - Morgan Hill, CA

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6120020 - EPA 5030B [P/T]	-									
Blank (6120020-BLK1)				Prepared	& Analyze	ed: 09/20/	06			
Gasoline Range Organics (C4-C12)	ND	25	սջ/յ							
Benzene	ND	0.25	п							
Toluene	ND	0,25								
Ethylbenzene	ND	0,25	*							
Kylenes (total)	ND	0.25	•							
Methyl tert-butyl ether	ND	1.25	•							
Surrogate: a,a,a-Trifluorotoluene	43.6		п	40.0		109	85-120			
Surrogate: 4-Bromoftuorobenzene	37.1		n	40.0		93	75-125			
LCS (6120020-BS1)				Prepared	& Analyz	ed: 09/20/				
Gasoline Range Organics (C4-C12)	205	50	սց/ն	275		75	60-115			
Benzene	3.49	0.50		4,85		72	45-150			
Toluene	20.5	0.50	п	23.5		87	70-115			
Ethylbenzene	3.97	0,50	п	4,70		84	65-115			
Xylenes (total)	23.0	0.50		26.5		87	70-115			
Methyl tert-butyl ether	5.13	2,5	•	6.50		79	45-150			
Surrogate: a,a,a-Trifluorotoluene	43.8		н	40.0		110	85-120			
Surrogate: 4-Bromofluorobenzene	38.3		11	40,0		96	75-125			
Matrix Spike (6120020-MS1)		urce: MPI03	54-03	Prepared	& Analyz	ed: 09/20/				
Gasoline Range Organics (C4-C12)	290	50	ug∕l	275	71	80	60-115			
Benzene	5,60	0.50	•	4.85	1.9	76	45-150			
Тоіцепс	23.1	0.50	7	23.5	ND	98	70-115			
Ethylbenzene	4,58	0.50	n	4.70	0.38	89	65-115			
Xylenes (total)	25.2	0.50	-	26.5	ND	95	70-115			
Methyl tert-butyl ether	20.1	<b>2</b> .5	я	6.50	16	63	45-150			
Surrogate: a,a,a-Trifluorotoluene	44.7		.,	40.0		112	85-120			
Surrogate: 4-Bromofluorobenzene	40.0		"	40.0		100	75-125			





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

Project: Exxon 7-0238

Project Number: 7-0238 Project Manager: Paula Sime MP10357 Reported: 09/25/06 14:22

## Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control TestAmerica - Morgan Hill, CA

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6120020 - EPA 5030B [P/T]					***************************************					HOICS
Matrix Spike Dup (6120020-MSD1)			F4 02	D	9 4 1	1.00000				•••
Gasoline Range Organics (C4-C12)	291	urce: MPI03: 50	54-03 ug/l	Prepared 275	& Analyze		_			
Benzene	5.32	0.50	ng/i		71	80	60-115	0.3	20	
Toluene	23.4	0.50		4.85	1.9	71	45-150	5	25	
				23.5	ND	100	70-115	1	20	
Ethylbenzene	4.64	0.50		4.70	0.38	16	65-115	l	25	
Xylenes (total)	25.5	0.50	7	26.5	ND	96	70-115	1	25	
Methyl ten-butyl ether	20.7	2,5	•	6.50	16	72	45-150	3	30	
Surrogate: a,a,a-Trifluorotoluene	44.7		Ir	40.0		112	85-120	<del></del> -		
Surrogate: 4-Bromofluorobenzene	39.7		n	40.0		99	75-125			
Batch 6I21007 - EPA 5030B [P/T]				<u> </u>						
Blank (6121007-BLK1)				Prepared	& Analyze	:d: 09/21/	06			_
Gasoline Range Organics (C4-C12)	ND	25	ug/l						<u> </u>	
Benzene	ND	0.25								
Toluene	ND	0.25								
Ethylbenzene	ND	0,25								
Xylenes (total)	ND	0,25	-							
Methyl tert-butyl ether	ИD	1.25	•							
Surrogate: a,a,a-Trifluorotoluene	43.2		"	40.0		108	85-120		<u> </u>	
Surrogate: 4-Bromofluoroberzene	36.8		п	40.0		92	75-125			
LCS (6121007-BS1)				Prepared	& Analyzo	d: 09/21/	06			
Gasoline Range Organics (C4-C12)	227	50	ug/l	275		83	60-115			
Benzenc	3.67	0,50	•	4.85		76	45-150	•		
Toluene	22,0	0.50		23.5		94	70-115			
Ethylbenzene	4.32	0.50		4.70		92	65-115			
Xylenes (total)	24.8	0,50	н	26,5		94	70-115			
Methyl tert-bulyl ether	5,32	2.5	•	6.50		82	45-150			
Surrogate: a,a,a-Trifluorotoluene	44.7		"	40.0	<del></del>	112	85-120		<u> </u>	<del></del> .
Surrogate: 4-Bromofluorobenzene	38.6		"	40.0		96	75-125			





601 North McDowell Blvd.

Petaluma CA, 94954

Project: Exxon 7-0238

Project Number: 7-0238
Project Manager: Paula Sime

MPI0357 Reported: 09/25/06 14:22

# Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control TestAmerica - Morgan Hill, CA

		Evaluation		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6I21007 - EPA 5030B [P/T]			_							
Matrix Spike (6121007-MS1)	Sour	ce: MPI032	28-02	Prepared	& Analyzo	ed: 09/21/	06			
Gasoline Range Organics (C4-C12)	225	50	ug/l	275	ND	82	60-115			
Benzene	3.30	0.50	•	4,85	ND	68	45-150			
Toluene	19.3	0.50	н	23.5	ND	82	70-115			
Ethylbenzene	3.75	0.50		4.70	ND	80	65-115			
Xylenes (total)	21,8	0.50		26,5	ND	82	70-115			
Methyl tert-butyl ether	4.98	2,5		6.50	ND	77	45-150			
Surrogate: a,a,a-Trifluorotoluene	43.4		"	40.0		108	85-120		-	
Surrogate: 4-Bromofluorobenzene	41.1		"	40.0		103	75-125			
Matrix Spike Dup (6121007-MSD1)	Sour	ee: MPI032	28-02	Prepared	& Analyz	ed: 09/21/	06			
Gasoline Range Organics (C4-C12)	213	50	ug/l	275	ND	77	60-115	5	20	
Benzene	3.24	0.50	•	4.85	ND	67	45-150	2	25	
Toluene	19.1	0.50	Ħ	23.5	ND	81	70-115	1	20	
Ethylbenzene	3.71	0.50		4.70	ND	79	65-115	1	25	
Xylenes (total)	21.7	0,50	N	26.5	ND	82	70-115	0.5	25	
Methyl tert-butyl ether	4.97	2,5	•	6.50	ND	76	45-150	0.2	30	
Surrogate: a,a.a-Trifluorotoluene	43.1	•		40.0		108	85-120			
Surrogate: 4-Bromofluorobenzene	40.4		•	40.0		101	75-125			





Environmental Resolutions (Exxon)
Project: Exxon 7-0238
MPI0357
601 North McDowell Blvd.
Project Number: 7-0238
Reported:
Petaluma CA, 94954
Project Manager: Paula Sime
09/25/06 14:22

#### Notes and Definitions

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

THE STATE OF

Test/America	Co	nsultant Name						Exxo	Mob	li Eng	Inee	Jenn	ifer C	, Se	dlache	k			
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(615) 726-0177		City/State/Zij	o: <u>Petaluma, I</u>	California 9	4954		_		,	Accol	unt#:	10228	3				_		
Morgan HIII Divis <b>io</b> n	P	roject Manage	r <u>Paula Sime</u>				_			1	PO #:	45072	207187	,					
85 Jarvis Drive	Telej	phone Numbe	r: <u>(707)</u> 766-2	000			_		F	acility	y ID#	7-02	38						
lorgan Hill, CA 95037	EF	RI Job Number	r: <u>2293 11X (</u>	September	<u>)                                    </u>		_			Globa	al ID#	T0600	010134	13				_	
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## **TEST AMERICA SAMPLE RECEIPT LOG**

CLIENT NAME: REC. BY (PRINT) WORKORDER:	ERI JUIE NG. MPI 0357		DATE REC'D AT LAB: TIME REC'D AT LAB: DATE LOGGED IN:	a.१२ .० (४१ १११३	0			_	atory Purposes? WATER YES/NO ATER YES/NO
CIRCLE THE APPRO	PRIATE RESPONSE	LA9 SAMPLE#	CLIENT ID	CONTAINER DESCRIPTION		pН	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
Custody Seal(s)	Present / Absent Intact / Broken*								
2. Chain-of-Custody	Present / Absent*		· · · · · · · · · · · · · · · · · · ·						
3. Traffic Reports or									
Packing List:	Present / Alpsent		· · · · · · · · · · · · · · · · · · ·					. \	, <u> </u>
4. Airbill:	Airbill / Sticker								
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6. Sample Labels;	P(6)ent / Absent		<del></del>					<u> </u>	<del></del>
7. Sample IDs:	Listed / Not Listed	· ·- , <del></del>	<del></del>	<del></del>	<del></del>		04/2		
· .	on Chain-of-Custody		<del></del>	<del></del> · · ·			-/		<del></del>
8. Sample Condition:	Intext / Broken* / Leaking*						<del>/</del>		
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agree?	Yes / No*		,		<del> </del>	<del>-  </del>			
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12. Proper preservatives u	\								
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Corrected Temp: Is corrected temp 4 +/-	-2°C? Yes / No**		/					·	
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SRL Revision 8 Replaces Rev 7 (07/19/05) Effective 09/13/06 IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Page \_\_\_\_\_\_\_of \_\_\_\_\_



20 October, 2006

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

RE: Exxon 7-0238 Work Order: MPJ0453

Enclosed are the results of analyses for samples received by the laboratory on 10/09/06 14:55. The samples arrived at a temperature of 6° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina Woodcock Project Manager

CA ELAP Certificate #1210

Chriting Noodcock





Environmental Resolutions (Exxon) 601 North McDowell Blvd.

Petaluma CA, 94954

Project: Exxon 7-0238

Project Number: 7-0238
Project Manager: Paula Sime

MPJ0453 Reported: 10/20/06 11:29

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-PSP-1	MPJ0453-01	Water	10/06/06 10:00	10/09/06 14:55
W-INT-2	MPJ0453-02	Water	10/06/06 10:30	10/09/06 14:55
W-INT-1	MPJ0453-03	Water	10/06/06 11:00	10/09/06 14:55
W-INF	MPJ0453-04	Water	10/06/06 11:30	10/09/06 [4:55





601 North McDowell Blvd.

Petaluma CA, 94954

Project: Exxon 7-0238

Project Number: 7-0238 Project Manager: Paula Sime MPJ0453 Reported: 10/20/06 11:29

W-PSP-1 (MPJ0453-01) Water Sampled: 10/06/06 10:00 Received: 10/09/06 14:55

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

Annityte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6J13002	10/13/06	10/13/06	EPA SOLED/PODILIS	
Benzene	ND	0.50	я	"		"	n	8015B/8021B	
Toluene	ND	0.50	н	"	h	п	"	h	
Ethylbenzene	ND	0.50	и	п	h	и	,,	π	
Xylenes (total)	ND	0.50	"	н	π		,,	π	
Methyl tert-butyl other	ND	2.5	n	u	"	ш	0	17	
Surrogate: a,a,a-Trifluorotoluene		109 %		0	n		·-· — "·		
Surrogate: 4-Bromofluorobenzene		103 %	75-12	-	"	"	,,	,,	





601 North McDowell Blvd. Petaluma CA, 94954 Project: Exxon 7-0238

Project Number: 7-0238
Project Manager: Paula Sime

MPJ0453 Reported: 10/20/06 11:29

W-INT-2 (MPJ0453-02) Water

Sampled: 10/06/06 10:30 Received: 10/09/06 14:55

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

			0					
Resuli	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
ND	50	ug/l	1	6J13002	10/13/06	10/13/06	EPA 8015B/8021B	_
ND	0.50		"	11	h	**	0	
ND	0.50	и		h	п	н	"	
ND	0.50	**		U	h	N.	"	
ND	0.50	н	**	н	"	NI.	"	
ND	2.5	17	17		н	17	п	
	109 %	85	-120	7	"	n	"	
	102 %	75-	-125	21	n	17	"	
	ND ND ND ND	Result   Limit	Result   Limit   Units   ND   50   ug/l   ND   0.50   "   ND   2.5   "   109 %   85-	Result   Limit   Units   Dilution	Result	Reporting   Limit   Units   Dilution   Batch   Prepared	Result	Result





601 North McDowell Blvd. Petaluma CA, 94954 Project: Exxon 7-0238

Project Number: 7-0238 Project Manager: Paula Sime MPJ0453 Reported: 10/20/06 11:29

W-INT-1 (MPJ0453-03) Water

Sampled: 10/06/06 11:00 Received: 10/09/06 14:55

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Gasoline Range Organics (C4-C12)	ND	50	ug/I	l	6J13002	10/13/06	10/13/06	EPA 8015B/8021B	_
Benzene	ND	0.50	D.		H	**	n.	н	
Toluene	ND	0.50	n	и	h	**	h	ц	
Ethylbenzene	ND	0.50	"	"	н	71	п	и	
Xylenes (total)	ND	0.50			и	rı	н	17	
Methyl tert-butyl ether	ND	2.5	п	н	"	н	**	U	
Surrogate: a,a,a-Trifluorotoluene		108 %	85-12	20	"	n .		"	_
Surrogate: 4-Bromofluorobenzene		101 %	75-12	25	"	"	fr	"	





601 North McDowell Blvd. Petaluma CA, 94954 Project: Exxon 7-0238

Project Number: 7-0238 Project Manager: Paula Sime MPJ0453 'Reported: 10/20/06 11:29

W-INF (MPJ0453-04) Water

Sampled: 10/06/06 11:30 Received: 10/09/06 14:55

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6J13002	10/13/06	10/13/06	EPA 8015B/8021B	
Benzenc	ND	0.50		**	"	u		001513/002111	
Toluene	ND	0.50	и	n			h	17	
Ethylbenzene	ND	0.50	"	"	и	"		U	
Xylenes (total)	ND	0.50	и	17		o	н	0	
Methyl tert-butyl ether	17	2.5	и	41	**	17	"	17	
Surrogate: a,a,a-Trifluorotoluene		107 %		120	**	- "		- Ir	
Surrogate: 4-Bromofluorobenzene		102 %	<i>75</i> -	125	"	"	n	**	





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

Project Number: 7-0238
Project Manager: Paula Sime

MPJ0453 Reported: 10/20/06 11:29

# Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control TestAmerica - Morgan Hill, CA

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6J13002 - EPA 5030B [P/T]			•							
Blank (6J13002-BLK1)	<u> </u>			Prepared	& Analyzo	:d: 10/13/	06			
Gasoline Range Organics (C4-C12)	ND	25	ug/l					<del></del> -	_	
Benzene	ND	0.25	"							
l'oluene	ND	0,29	,,							
Sthylbonzene	ND	0.34								
Xylenes (total)	ND	0.35								
Methyl tert-butyl ether	ND	1.25	и							
Surrogate: a,a,a-Trifluorotoluene	88.0		<sub>#</sub>	80.0			85-120			
Surrogate: 4-Bromofluorobenzene	81.0		H	80.0		101	75-125			
LCS (6J13002-BS1)				Prepared	& Analyze	d: 10/13/	06			
Gasoline Range Organics (C4-C12)	206	50	ug/l	275	<u>``</u>	75	60-115		······································	
Benzene	4.03	0.50	11	4.85		83	45-150			
Foluene	20.8	0.50	0	23.5		89	70-115			
Ethylbenzene	4,01	0,50	"	4.70		85	65-115			
Xylenes (total)	23.3	0.50	11	26.5		88	70-115			
Methyl tert-butyl ether	4.46	2,5	"	6.50		69	45-150			
Surrogate: a,a,a-Trifluorotoluene	78.2		н —	80,0		98	85-120			<del></del>
Surrogate: 4-Bromofluorobenzene	82.9		"	80.0		104	75-125			
Matrix Spike (6J13002-MS1)	Sou	ırce: MPJ04	13-02	Prepared	& Analyzo	ed: 10/13/	06			
Gasoline Range Organics (C4-C12)	249	50	ug/l	275	34	78	60-115	-		
Benzene	5.18	0.50	4	4.85	0.78	91	45-150			
Toluene	23.2	0,50	н	23.5	ND	99	70-115			
Ethylbenzene	4.66	0.50	"	4.70	ND	99	65-115			
Xylones (total)	25,9	0.50	ч	26.5	ND	98	70-115			
Methyl tert-butyl ether	7.22	2.5	"	6.50	2.3	76	45-150			
Surrogate: a,a,a-Trifluoratoluene	85.2			80.0		106		<del></del>		
Surrogate: 4-Bromoftuorobenzene	85.7		re	80.0		107	75-125			

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.





601 North McDowell Blvd. Petaluma CA, 94954 Project: Exxon 7-0238

Project Number: 7-0238 Project Manager: Paula Sime MPJ0453 Reported: 10/20/06 11:29

# Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control TestAmerica - Morgan Hill, CA

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6J13002 - EPA 5030B [P/T]										
Matrix Spike Dup (6J13002-MSD1)	Sou	rce: MPJ04	13-02	Prepared	& Analyz	cd: 10/13/	06			
Gasoline Range Organics (C4-C12)	230	50	ug/l	275	34	71	60-115	8	20	
Benzene	4.41	0.50	H	4.85	0.78	75	45-150	16	25	
Toluene	19.7	0.50	n	23,5	ND	84	70-115	16	20	
Ethylbenzene	3.89	0.50	"	4.70	ND	83	65-115	18	25	
Xylenes (total)	22.2	0.50	4	26.5	ND	84	70-115	15	25	
Methyl tert-buryl ether	6.32	2.5	н	6.50	2.3	62	45-150	13	30	
Surrogate: a,a,a-Trifluorotoluene	75.0			80.0		94	85-120		-	
Surrogate: 4-Bromofluorobenzene	82.5		"	80.0		103	75-125			





601 North McDowell Blvd. Petaluma CA, 94954 Project Exxon 7-0238
Project Number: 7-0238
Project Manager: Paula Sime

MPJ0453 Reported: 10/20/06 11:29

### Notes and Definitions

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

Co	nsultant Name	e: Environme	ntai Resolu	tions, Inc.				Mahii	E)-		aifae C							
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P	roject Manago	or Paula Sime	<u> </u>	<u> </u>		_			PC	#: <u>450</u> 7	720718	7		_				
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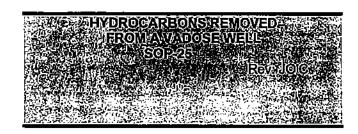
# TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: PRIL REC. BY (PRINT) TULE NG. WORKORDER: MPJ645	3	DATE REC'D AT LAB: TIME REC'D AT LAB: DATE LOGGED IN:		05 0-04				atory Purposes? WATER YES/NO ATER YES/NO
CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE#	CLIENT ID	CONTAINER.		pН	SAMPLE	, DATE	REMARKS: CONDITION (ETC.)
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3. Traffic Reports or								<del>/</del>
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Does information on chain-of-custody,	<u>·</u>	<u>:</u>				-	:	
traffic reports and sample labels	<u></u>	<u>.</u>	3			7		
agree? (es / No*								
10: Sample received within		<u> </u>	·					
hold time? Yes / No*				:		-		
11. Adequate sample volume	<del>_</del>							
received? (es / No*			<u></u>		·			
12. Proper preservatives used? (es / No*				<u> </u>				
13. Trip Blank / Temp Blank Received?				·				
(circle which, if yes) Yes / (lo*)			<u>;</u>		<u></u>			
14. Read Temp: 5.8				-		<u> </u>		
Corrected Temp:		· :				<u>.</u>		
Is corrected temp 4 +/-2°C? Yesy No**		<u>/                                      </u>					٠	
(Acceptance range for samples requiring thermal pres.)	/	·· <del>-</del>						
**Exception (if any): METALS / DFF ON ICE	_/-			<u> </u>		·		· 
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<sup>ે</sup>ર Revision 8 res Rev 7 (07/19/05)

# **ATTACHMENT C**

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



#### 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<sub>2</sub>O) (use {-} for vacuum)

3) Vapor temperature at the flow measuring device.

4) Hydrocarbon content of vapor (usually in mg/M3) 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.  $T_{abs} = 460 + T$  deg F

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

21 x 60 x 95 x 0.98 x 0.97 x 0.0283 x 1.050 x1/454 = 7.4 lb. cumulative lbs. (the running total) = the sum of all the previous periods.

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