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Project Manager

4096 Piedmont Avenue #194  
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**RECEIVED**

By loprojectop at 9:49 am, Apr 10, 2006

**ExxonMobil**  
Refining & Supply

March 15, 2006

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

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

Dear Mr. Gholami:

Attached for your review and comment is a copy of the letter report entitled *Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2005*, dated March 15, 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,



JCS  
Jennifer C. Sedlachek  
Project Manager

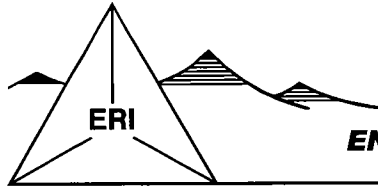
Attachment: ERI's *Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2005*, dated March 15, 2006.

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

w/o attachment  
Ms. Paula Sime, Environmental Resolutions, Inc.

**RECEIVED**

By loprojectop at 9:49 am, Apr 10, 2006



**ENVIRONMENTAL RESOLUTIONS, INC.**

March 15, 2006  
ERI 229313.Q054

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

**SUBJECT** Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2005  
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 fourth quarter 2005 groundwater monitoring, sampling, and remedial activities at the subject site. This report covers select activities from September 23, 2005, through December 30, 2005. 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**

<b>Gauging and sampling dates:</b>	12/09/05 and 12/30/05
<b>Wells gauged and sampled:</b>	MW9A through MW9D, MW9F through MW9I
<b>Presence of NAPL:</b>	Not observed
<b>Remediation system status on sampling date:</b>	Active
<b>Laboratory:</b>	TestAmerica Incorporated, Nashville, Tennessee
<b>Analyses performed:</b>	EPA Method 8015B TPHg EPA Method 8021B BTEX EPA Method 8260B MTBE
<b>Waste disposal:</b>	52 gallons of purge and decon water transferred to the remediation system holding tank on 12/09/05

**REMEDIATION SYSTEM SUMMARY**

**Dual-Phase Extraction System**

The dual-phase extraction (DPE) system simultaneously extracts soil vapor and groundwater from four DPE wells (DPE1 through DPE4) and one groundwater monitoring well (MW9A). In May 2005, groundwater monitoring well MW9A was hooked up to the DPE system. Extracted soil vapor is abated using a catalytic oxidizer prior to atmospheric discharge in compliance with a Bay Area Air Quality Management District (BAAQMD) Permit to Operate. Groundwater extracted by the DPE system is processed through two sediment filters and three 1,000-pound liquid-phase granular activated carbon vessels prior to discharge to the sanitary sewer under provisions of an East Bay Municipal Utility District (EBMUD) discharge permit. On a monthly basis, ERI collects influent and effluent soil vapor samples and water samples from influent, intermediate, and effluent sample ports.

**System start-up date:** March 2004

**System discharge permits:** DPE System, Vapor-Phase BAAQMD Permit No.15044  
DPE System, Liquid-Phase EBMUD Wastewater Permit No. 5051679-1

**Reporting period:** 08/05/05 – 12/09/05

**System modifications during reporting period:** None

**System status during reporting period** Active

**Laboratory:** TestAmerica Incorporated, Nashville, Tennessee

**Effluent analyses performed:** DPE System, Vapor-Phase EPA Method 18M TPHg, BTEX, MTBE  
DPE System, Liquid-Phase EPA Method 8015B TPHg  
EPA Method 8021B BTEX, MTBE

**System Performance:**

DPE System, Vapor-Phase

Period	Mass of TPHg Removed (Pounds)	Mass of Benzene Removed (Pounds)	Mass of MTBE Removed (Pounds)
09/23/05 – 12/05/05	<7.95	<0.46	1.09
To Date:	<1,169.76	<10.26	<47.78

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)
09/23/05 – 12/09/05	84,220	<0.048	<0.00035	0.0478
To Date:	384,590	<1.676	<0.0133	1.045

**DOCUMENT DISTRIBUTION**

ERI recommends forwarding copies of this report to:

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

Mr. Chuck Headlee  
 California Regional Water Quality Control Board  
 San Francisco Bay Region  
 1515 Clay Street, Suite 1400  
 Oakland, California 94612

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

**LIMITATIONS**

This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for Exxon Mobil, and any reliance on this report by third parties shall be at such party's sole risk.

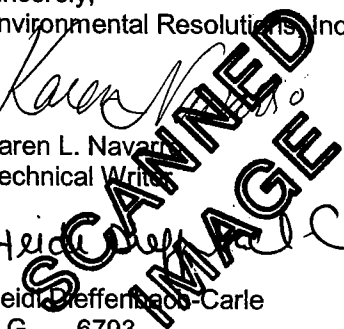
Please call Ms. Paula Sime, ERI's project manager for this site, at (707) 766-2000 with any questions regarding this report.



Sincerely,  
 Environmental Resolutions, Inc.

*Karen L. Navar*  
 Karen L. Navar  
 Technical Writer

*Heidi Dieffenbach-Carle*  
 Heidi Dieffenbach-Carle  
 P.G. 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 Records
  - Attachment C: ERI SOP-25: "Hydrocarbons Removed from a Vadose Well"

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

Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (fmsl)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9A	11/02/95	11.46	7.16	4.30	NLPH	<50	<10	---	<0.5	<0.5	<0.5	<0.5
MW9A	04/26/96	11.46	6.33	5.13	NLPH	---	---	---	---	---	---	---
MW9A	08/22/96	11.46	7.02	4.44	NLPH	---	---	---	---	---	---	---
MW9A	02/24/97	11.46	---	---	---	---	---	---	---	---	---	---
MW9A	03/16/98	11.46	6.14	5.32	NLPH	<200	40,000	---	7.9	<2.0	<2.0	<2.0
MW9A	04/21/98	11.46	6.29	5.17	NLPH	<50	53,000	---	3.8	<0.5	<0.5	<0.5
MW9A	07/22/98	14.53	6.58	7.95	NLPH	<250	18,000	---	<2.5	<2.5	<2.5	<2.5
MW9A	12/22/98	14.53	6.47	8.06	NLPH	<50	5,200	---	<0.5	<0.5	<0.5	<0.5
MW9A	02/26/99	14.53	6.38	8.15	NLPH	<100	10,000	---	<1.0	<1.0	<1.0	<1.0
MW9A	5/27/99 a	14.53	6.56	7.97	NLPH	<5,000	15,300	---	<50	<50	<50	<50
MW9A	08/03/99	14.53	9.39	5.14	NLPH	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9A	12/03/99	14.53	6.52	8.01	NLPH	<50	1,400	---	<0.5	<0.5	<0.5	0.67 b
MW9A	02/29/00	14.53	5.31	9.22	NLPH	<50	20,000	---	1.2	<0.5	<0.5	<0.5
MW9A	05/18/00	14.53	6.31	8.22	NLPH	<50	14,000	11,000	<0.5	<0.5	<0.5	<0.5
MW9A	07/24/00	14.53	6.54	7.99	NLPH	<50	7,400	---	<0.5	<0.5	<0.5	<0.5
MW9A	10/09/00	14.53	6.00	8.53	NLPH	<50	2,300	---	<0.5	<0.5	<0.5	<0.5
MW9A	01/10/01	14.53	6.34	8.19	NLPH	<50	3,700	---	<0.5	<0.5	<0.5	<0.5
MW9A	04/10/01	14.53	9.31	5.22	NLPH	<50	11,000	---	<0.5	<0.5	<0.5	<0.5
MW9A	07/12/01	14.53	---	---	NLPH	<50	3,600	---	<0.5	<0.5	<0.5	<0.5
MW9A	8/17/01 c	14.53	6.61	7.92	---	---	---	---	---	---	---	---
MW9A	10/11/01	14.53	7.03	7.50	NLPH	<50	1,700	---	<0.5	<0.5	<0.5	<0.5
MW9A	10/11/01	14.51	Well surveyed in compliance with AB2886 requirements.									
MW9A	01/11/02	14.51	5.93	8.58	NLPH	2,090 e	31,000 e	---	18.6 e	<0.50	<0.50	<0.50
MW9A	04/12/02	14.51	6.41	8.10	NLPH	34,300	32,200	---	<5.00	<5.00	<5.00	<5.00
MW9A	07/12/02	14.51	6.64	7.87	NLPH	6,760	8,070	---	<0.5	<0.5	<0.5	<0.5
MW9A	10/11/02	14.51	6.76	7.75	NLPH	2,420	2,860	3,040	<0.5	<0.5	<0.5	<0.5
MW9A	01/10/03	14.51	5.90	8.61	NLPH	38,800	51,900	---	103	15.0	<5.0	13.0
MW9A	04/09/03	14.51	6.38	8.13	NLPH	34,200	38,600	---	14.0	<5.0	<5.0	<5.0
MW9A	07/22/03	14.51	6.56	7.95	NLPH	20,200	19,500	---	0.50	<0.5	<0.5	<0.5
MW9A	10/01/03	14.51	6.72	7.79	NLPH	9,460	---	7,620	0.70	<0.5	<0.5	<0.5
MW9A	01/06/04	14.51	5.89	8.62	NLPH	8,540	11,600	---	<0.50	<0.5	<0.5	<0.5
MW9A	06/07/04	14.51	6.80	7.71	NLPH	3,470	---	5,600	<0.50	<0.5	<0.5	<0.5
MW9A	08/30/04 d	14.51	---	---	---	---	---	---	---	---	---	---
MW9A	12/13/04	14.51	5.99	8.52	NLPH	1,130	---	1,360	<0.50	<0.5	<0.5	<0.5
MW9A	03/14/05	14.51	6.03	8.48	NLPH	2,150	---	2,560	0.80	<0.5	<0.5	<0.5
MW9A	06/08/05	14.51	14.33	0.18	NLPH	1,610	---	2,040	<0.50	<0.5	<0.5	<0.5
MW9A	09/01/05	14.51	6.50	8.01	NLPH	1,020	---	1,320	<0.50	<0.50	<0.50	<0.50
<b>MW9A</b>	<b>12/09/05 i</b>	<b>14.51</b>	<b>16.50</b>	<b>-1.99</b>	<b>NLPH</b>	<b>1,140</b>	<b>---</b>	<b>801</b>	<b>1.16</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>
<b>MW9A</b>	<b>12/30/05</b>	<b>14.51</b>	<b>5.21</b>	<b>9.30</b>	<b>NLPH</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
MW9B	11/02/95	9.80	6.14	3.66	NLPH	130	<10	---	3.3	<0.5	<0.5	<0.5
MW9B	04/26/96	9.80	5.66	4.14	NLPH	270	70	---	130	2.8	6.7	<3
MW9B	08/22/96	9.80	6.16	3.64	NLPH	210	31	---	5.7	6.8	1.1	9.2
MW9B	02/24/97	9.80	5.58	4.22	NLPH	1,400	1,300	---	76	1.4	4.1	1.2

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 2 of 8)

Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (fmsl)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
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	1,800	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	---	158	<100	<100	<100
MW9B	08/03/99	12.83	6.24	6.59	NLPH	960	24,900	---	<5.0	<5.0	<5.0	<5.0
MW9B	12/03/99	12.83	5.66	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
MW9B	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	8/17/01 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 in compliance with AB2886 requirements.									
MW9B	01/11/02	12.84	5.16	7.68	NLPH	9,170 e	14,600 e	---	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
MW9B	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	01/06/04	12.84	5.14	7.70	NLPH	10,400	---	15,700	16.9	1.8	18.6	1.7
MW9B	06/07/04	12.84	9.47	3.37	NLPH	3,910	---	1,960	<0.50	<0.5	<0.5	<0.5
MW9B	08/30/04	12.84	h	h	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
<b>MW9B</b>	<b>12/09/05</b>	<b>12.84</b>	<b>8.46</b>	<b>4.38</b>	<b>NLPH</b>	<b>207</b>	<b>---</b>	<b>149</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>
<b>MW9B</b>	<b>12/30/05</b>	<b>12.84</b>	<b>4.59</b>	<b>8.25</b>	<b>NLPH</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
MW9C	11/02/95	11.14	---	---	---	---	---	---	---	---	---	---
MW9C	04/26/96	11.14	---	---	---	---	---	---	---	---	---	---
MW9C	08/22/96	11.14	---	---	---	---	---	---	---	---	---	---
MW9C	02/24/97	11.14	---	---	---	---	---	---	---	---	---	---
MW9C	03/16/98	11.14	5.51	5.63	NLPH	<500	150,000	---	24	<5.0	<5.0	<5.0
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	6.43	7.76	NLPH	<500	95,000	---	<5.0	<5.0	<5.0	<5.0
MW9C	12/22/98	14.19	6.16	8.03	NLPH	<500	84,000	---	<5.0	<5.0	<5.0	<5.0

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 3 of 8)

Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (fmsl)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9C	02/26/99	14.19	5.46	8.73	NLPH	<250	55,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	05/18/99	14.19	6.27	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	6.17	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	6.47	7.72	NLPH	<250	44,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	10/09/00	14.19	6.57	7.62	NLPH	<250	39,000	---	<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	---	---	NLPH	<250	32,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	8/17/01 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 compliance with AB2886 requirements.									
MW9C	01/11/02	14.16	5.29	8.87	NLPH	2,470 e	90,000 e	---	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	14.16	6.54	7.62	NLPH	50,900	58,300	---	<500	<500	<500	<500
MW9C	10/11/02	14.16	6.73	7.43	NLPH	52,100	58,800	76,000	<10.0	<10.0	<10.0	<10.0
MW9C	01/10/03	14.16	5.21	8.95	NLPH	40,600	55,500	---	<0.5	<0.5	<0.5	<0.5
MW9C	04/09/03	14.16	6.08	8.08	NLPH	24,700	29,600	---	<5.00	<5.0	<5.0	<5.0
MW9C	07/22/03	14.16	6.47	7.69	NLPH	13,800	13,100	---	1.40	<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	<0.5
MW9C	01/06/04	14.16	4.86	9.30	NLPH	4,160	---	5,020	0.70	<0.5	<0.5	<0.5
MW9C	06/07/04	14.16	7.35	6.81	NLPH	4,480	---	3,420	<0.50	<0.5	<0.5	<0.5
MW9C	08/30/04	14.16	h	h	h	1,950h	---	1,950h	<0.50h	<0.5h	<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
MW9C	03/14/05	14.16	5.63	8.53	NLPH	906	---	1,110	<0.50	<0.5	<0.5	<0.5
MW9C	06/08/05	14.16	12.75	1.41	NLPH	854	---	1,100	<0.50	<0.5	<0.5	<0.5
MW9C	09/01/05	14.16	6.95	7.21	NLPH	361	---	409	<0.50	<0.50	<0.50	<0.50
<b>MW9C</b>	<b>12/09/05</b>	<b>14.16</b>	<b>7.54</b>	<b>6.62</b>	<b>NLPH</b>	<b>217</b>	<b>---</b>	<b>171</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>
<b>MW9C</b>	<b>12/30/05</b>	<b>14.16</b>	<b>4.21</b>	<b>9.95</b>	<b>NLPH</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
MW9D	11/02/95	12.90	---	---	---	---	---	---	---	---	---	---
MW9D	04/26/96	12.90	--	--	--	--	--	--	--	--	--	--
MW9D	08/22/96	12.90	---	---	---	---	---	---	---	---	---	---
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	02/26/99	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
MW9D	08/03/99	15.98	8.34	7.64	NLPH	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9D	12/03/99	15.98	7.56	8.42	NLPH	<50	<2	---	<0.5	<0.5	<0.5	<0.5



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
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Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (fmsl)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9D	02/29/00	15.98	4.82	11.16	NLPH	<50	2.5	---	<0.5	<0.5	<0.5	<0.5
MW9D	05/18/00	15.98	7.40	8.58	NLPH	<50	6.2	---	<0.5	<0.5	<0.5	<0.5
MW9D	07/24/00	15.98	7.91	8.07	NLPH	<50	14	---	<0.5	<0.5	0.85	0.74
MW9D	10/09/00	15.98	8.02	7.96	NLPH	<50	14	---	<0.5	<0.5	<0.5	<0.5
MW9D	01/10/01	15.98	7.26	8.72	NLPH	<50	18	---	<0.5	<0.5	<0.5	<0.5
MW9D	04/10/01	15.98	7.32	8.66	NLPH	<50	14	---	<0.5	<0.5	<0.5	<0.5
MW9D	07/12/01	15.98	--	--	NLPH	<50	22	---	<0.5	<0.5	<0.5	<0.5
MW9D	08/17/01 d	15.98	---	---	---	---	---	---	---	---	---	---
MW9D	10/11/01	15.98	8.16	7.82	NLPH	<50	24	---	<0.5	<0.5	<0.5	<0.5
MW9D	Nov-01	15.97	Well surveyed in compliance with AB2886 requirements.									
MW9D	01/11/02	15.97	6.64	9.33	NLPH	352 e	2.0 e	---	<0.50	<0.50	<0.50	<0.50
MW9D	04/12/02	15.97	7.58	8.39	NLPH	191	192	---	<0.50	<0.50	<0.50	<0.50
MW9D	07/12/02	15.97	8.01	7.96	NLPH	108	124	---	<0.5	<0.5	<0.5	<0.5
MW9D	10/11/02	15.97	8.13	7.84	NLPH	187	243	---	<0.5	<0.5	<0.5	<0.5
MW9D	01/10/03	15.97	5.98	9.99	NLPH	386	132	---	4.1	<0.5	<0.5	<0.5
MW9D	04/09/03	15.97	7.53	8.44	NLPH	468	292	---	3.80	<0.5	<0.5	<0.5
MW9D	07/22/03	15.97	7.87	8.10	NLPH	446	339	---	0.70	<0.5	<0.5	<0.5
MW9D	10/01/03	15.97	8.04	7.93	NLPH	402	---	362	<0.50	<0.5	<0.5	<0.5
MW9D	01/06/04	15.97	6.31	9.66	NLPH	72.2	---	80.9	<0.50	<0.5	<0.5	<0.5
MW9D	06/07/04	15.97	8.17	7.80	NLPH	237	---	353	<0.50	<0.5	<0.5	<0.5
MW9D	08/30/04 d	15.97	---	---	---	---	---	---	---	---	---	---
MW9D	12/13/04	15.97	5.39	10.58	NLPH	379	---	353	4.80	0.7	<0.5	0.9
MW9D	03/14/05	15.97	6.93	9.04	NLPH	<50.0	---	13.8	<0.50	<0.5	<0.5	<0.5
MW9D	06/08/05	15.97	8.83	7.14	NLPH	<50.0	---	57.2	<0.50	<0.5	<0.5	<0.5
MW9D	09/01/05	15.97	7.99	7.98	NLPH	64.3	---	51.8	<0.50	<0.50	<0.50	<0.50
<b>MW9D</b>	<b>12/09/05</b>	<b>15.97</b>	<b>7.96</b>	<b>8.01</b>	<b>NLPH</b>	<b>56.3</b>	<b>---</b>	<b>33.0</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>
<b>MW9D</b>	<b>12/30/05 d</b>	<b>15.97</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
MW9F	11/02/95	8.37	---	---	---	---	---	---	---	---	---	---
MW9F	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	---	---	---	---	---	---	---
MW9F	04/21/98	8.37	---	---	---	---	---	---	---	---	---	---
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	---	<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



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
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Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (fmsl)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9G	10/11/01	12.99	5.48	7.51	NLPH	<50	1,600	---	<0.5	<0.5	<0.5	<0.5
MW9G	Nov-01	12.98	Well surveyed in compliance with AB2886 requirements.									
MW9G	01/11/02	12.98	4.97	8.01	NLPH	419 e	945 e	---	<0.50	<0.50	<0.50	<0.50
MW9G	04/12/02	12.98	5.12	7.86	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	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
MW9G	04/09/03	12.98	5.15	7.83	NLPH	3,730	3,990	---	<0.50	<0.5	<0.5	<0.5
MW9G	07/22/03	12.98	5.30	7.68	NLPH	1,070	968	---	<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
MW9G	06/07/04	12.98	5.49	7.49	NLPH	457	---	324	<0.50	<0.5	<0.5	<0.5
MW9G	08/30/04	12.98	h	h	h	428h	---	369h	<0.50h	<0.5h	<0.5h	<0.5h
MW9G	12/13/04	12.98	5.01	7.97	NLPH	1,030	---	1,030	<0.50	<0.5	<0.5	<0.5
MW9G	03/14/05	12.98	4.98	8.00	NLPH	395	---	451	<0.50	<0.5	<0.5	<0.5
MW9G	06/08/05	12.98	5.54	7.44	NLPH	333	---	404	<0.50	<0.5	<0.5	<0.5
MW9G	09/01/05	12.98	6.35	6.63	NLPH	218	---	308	<0.50	<0.50	<0.50	0.63
<b>MW9G</b>	<b>12/09/05 j</b>	<b>12.98</b>	---	---	---	---	---	---	---	---	---	---
<b>MW9G</b>	<b>12/30/05</b>	<b>12.98</b>	<b>4.83</b>	<b>8.15</b>	<b>NLPH</b>	<b>75.3</b>	---	<b>69.9</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>
MW9H	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	8.05	0.53	NLPH	---	---	---	---	---	---	---
MW9H	08/22/96	8.58	8.17	0.41	NLPH	---	---	---	---	---	---	---
MW9H	02/24/97	8.58	---	---	---	---	---	---	---	---	---	---
MW9H	03/16/98	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
MW9H	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	11.61	---	---	NLPH	<50	28	---	<0.5	<0.5	<0.5	<0.5
MW9H	8/17/01 d	11.61	---	---	---	---	---	---	---	---	---	---
MW9H	10/11/01	11.61	8.15	3.46	NLPH	<50	30	---	<0.5	<0.5	<0.5	<0.5
MW9H	Nov-01	11.59	Well surveyed in compliance with AB2886 requirements.									
MW9H	01/11/02	11.59	7.48	4.11	NLPH	<50.0	20.5 e	---	<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

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
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Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (fmsl)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9H	07/12/02	11.59	8.06	3.53	NLPH	<50.0	34.6	---	<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	16.0	---	0.5	0.8	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	64.2h	---	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	6.96	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 j	---	---	---	---	---	---	---	---	---	---	---
MW9H	12/30/05	11.59	7.27	4.32	NLPH	<50.0	---	13.7	<0.50	<0.50	<0.50	<0.50
MW9I	11/02/95	10.11	6.04	4.07	NLPH	<50	<10	---	<0.5	<0.5	<0.5	<0.5
MW9I	04/26/96	10.11	5.27	4.84	NLPH	<50	99	---	<0.5	<0.5	<0.5	<0.5
MW9I	08/22/96	10.11	5.66	4.45	NLPH	<50	170	---	<0.5	<0.5	<0.5	<0.5
MW9I	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	04/21/98	10.11	5.08	5.03	NLPH	<500	59,000	---	<5.0	<5.0	<5.0	<5.0
MW9I	07/22/98	13.14	5.44	7.70	NLPH	<500	62,000	---	<5.0	<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
MW9I	05/18/99	13.14	5.30	7.84	NLPH	<1,000	3,730	---	<10	<10	<10	<10
MW9I	08/03/99	13.14	5.98	7.16	NLPH	<50	21,900	---	<0.5	0.650	<0.5	<0.5
MW9I	12/03/99	13.14	5.31	7.83	NLPH	<250	2,000	---	3.9	2.9	<2.5	14
MW9I	02/29/00	13.14	4.20	8.94	NLPH	50	16,000	---	0.74	<0.5	<0.5	<0.5
MW9I	05/18/00	13.14	5.12	8.02	NLPH	<50	2,900	---	<0.5	<0.5	<0.5	<0.5
MW9I	07/24/00	13.14	5.41	7.73	NLPH	<250	43,000	---	<2.5	<2.5	<2.5	<2.5
MW9I	10/09/00	13.14	5.41	7.73	NLPH	<2,500	54,000	---	1.6	<0.5	<0.5	<0.5
MW9I	01/10/01	13.14	5.24	7.90	NLPH	<250	36,000	---	<2.5	<2.5	<2.5	<2.5
MW9I	04/10/01	13.14	4.84	8.30	NLPH	<50	4,800	---	<0.5	<0.5	<0.5	<0.5
MW9I	07/12/01	13.14	---	---	NLPH	<50	8,400	---	<0.5	<0.5	<0.5	<0.5
MW9I	08/17/01	13.14	6.49	6.65	---	---	---	---	---	---	---	---
MW9I	10/11/01	13.14	5.64	7.50	NLPH	<250	38,000	---	<2.5	<2.5	<2.5	<2.5
MW9I	Nov-01	13.13	Well surveyed in compliance with AB2886 requirements.									
MW9I	01/11/02	13.13	4.80	8.33	NLPH	1,330 e	5,400 e	---	4.80 e	<0.50	<0.50	<0.50
MW9I	04/12/02	13.13	5.22	7.91	NLPH	1,460	1,480	---	<0.50	<0.50	<0.50	<0.50
MW9I	07/12/02	13.13	5.50	7.63	NLPH	4,460	6,490	---	<0.5	<0.5	<0.5	<0.5
MW9I	10/11/02	13.13	5.35	7.78	NLPH	31,300	37,700	51,000	<5.0	<5.0	<5.0	<5.0
MW9I	01/10/03	13.13	4.75	8.38	NLPH	4,820	6,180	---	9.4	0.7	1.1	1.3
MW9I	04/09/03	13.13	5.15	7.98	NLPH	2,130	1,510	---	22.3	1.9	1.5	1.5

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

Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (fmsl)	SUBJ	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9I	07/22/03	13.13	5.50	7.63	NLPH	2,330	2,540	---	1.60	<0.5	<0.5	<0.5
MW9I	10/01/03	13.13	5.65	7.48	NLPH	6,080	---	4,610	1.00	<0.5	<0.5	<0.5
MW9I	01/06/04	13.13	4.50	8.63	NLPH	175	---	61.3	0.90	<0.5	0.5	<0.5
MW9I	06/07/04	13.13	6.87	6.26	NLPH	4,620	---	3,410	<0.50	<0.5	<0.5	<0.5
MW9I	08/30/04	13.13	h	h	h	817h	---	847h	<0.50h	<0.5h	<0.5h	<0.5h
MW9I	12/13/04	13.13	4.47	8.66	NLPH	<50.0	---	14.4	<0.50	<0.5	<0.5	<0.5
MW9I	03/14/05	13.13	5.05	8.08	NLPH	96.7	---	44.9	<0.50	<0.5	<0.5	<0.5
MW9I	06/08/05	13.13	6.47	6.66	NLPH	1,230	---	321	<0.50	<0.5	<0.5	0.8
MW9I	09/01/05	13.13	5.60	7.53	NLPH	170	---	62.3	1.22	0.77	<0.50	<0.50
<b>MW9I</b>	<b>12/09/05</b>	<b>13.13</b>	<b>6.82</b>	<b>6.31</b>	<b>NLPH</b>	<b>78.3</b>	<b>---</b>	<b>81.0</b>	<b>&lt;0.50</b>	<b>0.58</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>
<b>MW9I</b>	<b>12/30/05</b>	<b>13.13</b>	<b>4.23</b>	<b>8.90</b>	<b>NLPH</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>

Notes:

- SUBJ = Results of subjective evaluation.
- NLPH = No liquid-phase hydrocarbons present in well.
- TOC = Top of well casing elevation; datum is mean sea level.
- DTW = Depth to water.
- GW Elev. = Groundwater elevation; datum is mean sea level
- TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
- MTBE 8021B = Methyl tertiary butyl ether analyzed using EPA Method 8021B.
- MTBE 8260B = Methyl tertiary butyl ether analyzed using EPA Method 8260B.
- BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
- ETBE = Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
- TAME = Tertiary amyl methyl ether analyzed using EPA Method 8260B.
- TBA = Tertiary butyl alcohol analyzed using EPA Method 8260B.
- EDB = 1,2-Dibromoethane analyzed using EPA Method 8260B.
- 1,2-DCA = 1,2-Dichloroethane analyzed using EPA Method 8260B.
- DIPE = Di-isopropyl ether analyzed using EPA Method 8260B.
- Ethanol = Ethanol analyzed using EPA Method 8260B.
- fbgs = Feet below ground surface.
- < = Less than the indicated reporting limit shown by the laboratory.
- ND = Not detected at or above the laboratory reporting limit. See laboratory analytical report for specific reporting limits.
- = Not measured or sampled or analyzed.
- µg/L = Micrograms per liter.
- a = Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 5/27/99.
- b = Analyte detected in the trip blank and/or bailer blank.
- c = Due to measurement error during initial sampling event, DTW was re-measured on August 17, 2001. 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.
- f = Sample erroneously labeled MA9B on Chain-of-Custody form and laboratory report.
- g = 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.

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

Well ID	Sampling Date	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW9A	11/02/95 - 07/12/02	Not analyzed for these analytes.						
MW9A	10/11/02	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
MW9A	01/10/03	---	---	---	---	---	---	---
MW9A	04/09/03	---	---	---	---	---	---	---
MW9A	07/22/03	---	---	---	---	---	---	---
MW9A	10/01/03	<0.50	2.80	1,100	<0.50	<0.50	<0.50	---
MW9A	01/06/04	<0.50	4.90	11,900	<0.50	<0.50	<0.50	---
MW9A	06/07/04	---	---	---	---	---	---	<2,500
MW9A	08/30/04 h	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---
<b>MW9A</b>	<b>12/09/05</b>	---	---	---	---	---	---	---
<b>MW9A</b>	<b>12/30/05</b>	---	---	---	---	---	---	---
MW9B	11/02/95 - 07/12/02	Not analyzed for these 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	---	---	---	---	---	---	<50.0
MW9B	08/30/04	---	---	---	---	---	---	<50.0j
MW9B	12/13/04	---	---	---	---	---	---	---
MW9B	03/14/05	<0.50	<0.50	4,800	<0.50	<0.50	<0.50	<50.0
MW9B	06/08/05	<0.50	<0.50	2,320	<0.50	<0.50	<0.50	<100
MW9B	09/01/05	---	---	---	---	---	---	---
<b>MW9B</b>	<b>12/09/05</b>	---	---	---	---	---	---	---
<b>MW9B</b>	<b>12/30/05</b>	---	---	---	---	---	---	---
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	2.70	38,400	<0.50	<0.50	<0.50	---
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	---	---	---	---	---	---	<50.0j
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



**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 3 of 4)

Well ID	Sampling Date	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
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	---	---	---	---	---	---	---
<b>MW9G</b>	<b>12/09/05 j</b>	---	---	---	---	---	---	---
<b>MW9G</b>	<b>12/30/05</b>	---	---	---	---	---	---	---
MW9H	11/02/95	---	---	---	<50	<10	<0.5	<0.5
MW9H	04/26/96 - 07/12/02	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	---	---	---	---	---	---	---
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	---	---	---	---	---	---	<50.0j
MW9H	12/13/04	---	---	---	---	---	---	---
MW9H	03/14/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
MW9H	06/08/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<100
MW9H	09/01/05	---	---	---	---	---	---	---
<b>MW9H</b>	<b>12/09/05 j</b>	---	---	---	---	---	---	---
<b>MW9H</b>	<b>12/30/05</b>	---	---	---	---	---	---	---
MW9I	11/02/95 - 07/12/02	Not analyzed for these analytes.						
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	---	---	---	---	---	---	<50.0j
MW9I	12/13/04	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---
<b>MW9I</b>	<b>12/09/05</b>	---	---	---	---	---	---	---
<b>MW9I</b>	<b>12/30/05</b>	---	---	---	---	---	---	---



**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

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

Notes:

SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in well.
TOC	=	Top of well casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
fbgs	=	Feet below ground surface.
<	=	Less than the indicated reporting limit shown by the laboratory.
ND	=	Not detected at or above the laboratory reporting limit. See laboratory analytical report for specific reporting limits.
---	=	Not measured or sampled or analyzed.
µg/L	=	Micrograms per liter.
a	=	Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 5/27/99.
b	=	Analyte detected in the trip blank and/or bailer blank.
c	=	Due to measurement error during initial sampling event, DTW was re-measured on August 17, 2001. 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.
f	=	Sample erroneously labeled MA9B on Chain-of-Custody form and laboratory report.
g	=	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.

**TABLE 2**  
**WELL CONSTRUCTION DETAILS**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 1 of 1)

Well ID	Date Well Installed	TOC Elevation (feet)	Borehole Diameter (inches)	Total Depth of Boring (fbgs)	Well Depth (fbgs)	Well Casing Diameter (inches)	Well Casing Material	Screened Interval (fbgs)	Slot Size (inches)	Filter Pack Interval (fbgs)	Filter Pack Material
MW9A	06/10/88	14.51	8	18	NS	NS	NS	NS	NS	NS	NS
MW9B	06/10/88	12.84	8	20	NS	NS	NS	NS	NS	NS	NS
MW9C	06/10/88	14.16	8	17	NS	NS	NS	NS	NS	NS	NS
MW9D	10/05/88	15.97	12	16.5	14	NS	NS	5-14	NS	NS	NS
MW9E	10/05/88	NS	12	18.5	14	NS	NS	5-14	NS	NS	NS
MW9F	11/23/88	11.38	8	16	14	NS	NS	4-14	NS	NS	NS
MW9G	11/22/88	12.98	8	16.5	14	NS	NS	5-14	NS	NS	NS
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	PVC	5-20	0.020	4-20	#3 Sand

Notes:  
TOC = Top of well casing elevation; datum is mean sea level.  
fbgs = Feet below ground surface.  
NS = Not specified.

**TABLE 3**  
**OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, VAPOR- PHASE**  
Former Exxon Service Station 7-0238  
2200 East 12th Street  
Oakland, California  
(Page 1 of 4)

DATE	FIELD MEASUREMENTS								LABORATORY ANALYTICAL RESULTS			TPHg Removal		MTBE Removal		Benzene Removal		Destruction Efficiency (%)	Benzene Emission (lb/day)		
	System Hours	Total Hours	Temp (deg F)	Vacuum ("Hg)	Pressure ("H <sub>2</sub> O)	Flow (acfm)	Flow (scfm)	Sample ID	PID (ppmv)	TPHg (mg/M <sup>3</sup> )	Benzene (mg/M <sup>3</sup> )	MTBE (mg/M <sup>3</sup> )	Period (lbs)	Cumulative (lbs)	Period (lbs)	Cumulative (lbs)	Period (lbs)			Cumulative (lbs)	
03/01/04	System start up. Running on 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	46	A-INF	599												
								A-EFF	9.0												
03/08/04		172	70	25.0	1.0	600	40	A-INF	> 10,000	4,000	37	200	102.12	102.12	5.11	5.11	0.94	0.94	99.74	0.002	
								A-EFF	25.9	23	0.50	< 0.50									
03/12/04		268	70	26.0	1.0	750	50	A-INF	> 10,000												
								A-EFF	9.0												
03/19/04		436	70	21.5	1.0	750	50	A-INF	6,500												
								A-EFF	6.0												
03/26/04		604	70	20.0	1.0	1,000	66	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	99	A-INF	5,700												
								A-EFF	4.0												
04/15/04		1,084	70	20.0	1.0	1,500	99	A-INF	9,600												
								A-EFF	17.0												
04/22/04		1,262	70	10.0	1.0	600	40	A-INF	750												
								A-EFF	2.0												
04/29/04		1,420	70	25.0	1.0	700	46	A-INF	920												
								A-EFF	4.0												
05/06/04		1,588	70	22.0	1.0	650	43	A-INF	5,600												
								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	565.97	8.36	29.42	1.21	4.94	99.94	0.0004	
								A-EFF	2.0	< 10	< 0.10	< 0.50									
05/21/04		1,948	70	24	1.0	550	36	A-INF	767												
								A-EFF	3.0												
05/27/04		2,092	70	25	1.0	600	40	A-INF	6,700												
								A-EFF	7.0												
06/03/04		2,260	70	25	1.0	650	43	A-INF	1,969	720	3.1	32	77.80	643.77	3.40	32.82	0.49	5.44	98.48	0.0004	
								A-EFF	30.0	16	0.11	< 0.50									
06/09/04		2,404	70	27	1.0	600	40	A-INF	1,160												
								A-EFF	16.0												
06/24/04		2,764	70	27	1.0	500	33	A-INF	1,000												
								A-EFF	10.0												
07/14/04		2,774	70	26	1.0	800	53	A-INF	1,500												
								A-EFF	28.0												
07/22/04		2,966	70	24	1.0	1,000	66	A-INF	120	400	3.4	13	80.69	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	nm	nm	nm	nm	A-INF	nm												
								A-EFF	nm												
08/20/04		577	3,643	70	21	1.0	800	53	A-INF	711											
								A-EFF	20.0												
08/25/04		745	3,711	70	22	1.0	850	56	A-INF	120	850	5.4	< 25	106.54	831.00	< 3.24	< 39.30	0.75	6.66	90.83	0.0021
								A-EFF	11.0	92	0.4	1									



**TABLE 3**  
**OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, VAPOR-PHASE**

Former Exxon Service Station 7-0238  
 2200 East 12th Street  
 Oakland, California  
 (Page 3 of 4)

DATE	FIELD MEASUREMENTS								LABORATORY ANALYTICAL RESULTS			TPHg Removal		MTBE Removal		Benzene Removal		Destruction Efficiency (%)	Benzene Emission (lb/day)	
	System Hours	Total Hours	Temp (deg F)	Vacuum ("Hg)	Pressure ("H <sub>2</sub> O)	Flow (acfm)	Flow (scfm)	Sample ID	PID (ppmv)	TPHg (mg/M <sup>3</sup> )	Benzene (mg/M <sup>3</sup> )	MTBE (mg/M <sup>3</sup> )	Period (lbs)	Cumulative (lbs)	Period (lbs)	Cumulative (lbs)	Period (lbs)			Cumulative (lbs)
07/08/05	3,441	6,407	75	16	0.0	1,600	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	3,875	6,941	74	15	0.0	1,400	94	A-INF	12.0											
								A-EFF	0.0											
07/29/05	3,844	6,810	72	16	0.0	1,000	87	A-INF	4.0											
								A-EFF	0.0											
08/05/05	3,860	6,826	72	14	0.0	1,400	93	A-INF	4.5											
								A-EFF	0.0											
08/12/05	3,860	6,826	72	14	0.0	1,400	93	A-INF	4.5	< 5.000	< 0.500	< 0.500	< 8.75	< 1,161.62	< 0.64	< 46.69	< 0.62	< 9.78	100.00	0.0041
								A-EFF	0.0	< 5.000	< 0.500	< 0.500								
08/19/05	System down for pump repair/replacement.																			
08/19/05	3,867	6,833	NM	NM	NM	NM	NM	A-INF	NM											
								A-EFF	NM											
09/23/05	3,882	6,848	72	17	0.0	1,400	93	A-INF	56.0	44.8	1.78	0.902	< 0.19	< 1,161.81	< 0.01	< 46.69	< 0.01	< 9.79	100.00	0.0042
								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											
10/07/05	4,217	7,183	72	16	0.0	1,200	80	A-INF	1.0	< 5.00	< 0.500	< 0.500	< 2.70	< 1,164.51	< 0.08	< 46.77	< 0.12	< 9.92	100.00	
								A-EFF	0.0	NA	NA	NA								
10/14/05	4,386	7,352	72	16	0.0	1,200	80	A-INF	3.0											
								A-EFF	0.0											
10/21/05	4,400	7,366	72	18	0.0	1,200	80	A-INF	0.0	< 5.00	< 0.500	< 0.500	< 0.27	< 1,164.78	< 0.03	< 46.79	< 0.03	< 9.94	100.00	0.0039
								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											
								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	< 0.68	< 1,165.46	< 0.05	< 46.85	< 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	8,076	72	19	0.0	1,200	80	A-INF	320.0											
								A-EFF	0.0											
12/05/05	5,371	8,337	72	16	0.0	1,500	100	A-INF	28.0	30.0	1.77	7.62	< 4.30	< 1,169.76	< 0.93	< 47.78	< 0.26	< 10.26	100.00	0.0022
								A-EFF	0.0	< 5.00	< 0.500	< 0.500								

**TABLE 3**  
**OPERATION AND PERFORMANCE DATA FOR DUAL-PHASE EXTRACTION SYSTEM, VAPOR- PHASE**

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

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Notes:	
A-INF	= Influent vapor sample.
A-EFF	= Effluent vapor sample.
Temp	= Temperature of vapor stream.
deg F	= Degrees Fahrenheit.
"Hg	= Inches of mercury.
"H2O	= Inches of water.
PID	= Photo-ionization detector measurement.
acfm	= Actual cubic feet per minute.
scfm	= Standard cubic feet per minute.
deg F	= Degrees Fahrenheit.
ppmv	= Parts per million by volume.
TPHg	= Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
Benzene	= Benzene analyzed using EPA Method 8021B.
MTBE	= Methyl tertiary butyl ether analyzed using EPA Method 8021B.
NM	= Not measured.
NC	= Not calculated.
NA	= Not analyzed.









**TABLE 4  
OPERATION AND PERFORMANCE DATA  
FOR DUAL-PHASE EXTRACTION SYSTEM, LIQUID-PHASE**

Former Exxon Service Station 7-0238

2200 East 12th Street

Oakland, California

(Page 4 of 4)

Date	System Hours (hrs)	Eff. Totalizer Reading (gal)	Average Flowrate (gpm)	Total Flow per period (gal)	Sample I.D.	Laboratory Analytical Results						TPHg Removed		Benzene Removed		MTBE Removed							
						TPHg (µg/L)	TPHd (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Per Period (lbs)	Cumulative (lbs)	Per Period (lbs)	Cumulative (lbs)	Per Period (lbs)	Cumulative (lbs)					
11/04/05	4735	337,120	0.75	7,570	W-INF	55.5	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	56.2	< 0.011	< 1.645	< 0.00010	< 0.0131	0.0104	1.0127				
					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	< 0.50										
					W-PSP-1	< 50.0	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50										
11/11/05	4905	348,240	1.10	11,120																			
11/18/05	5068	355,300	0.70	7,060																			
11/21/05	5110	357,390	0.48	2,090																			
12/02/05	5371	375,850	1.17	18,460																			
12/09/05	5540	384,590	0.87	8,740	W-INF	100	---	< 0.50	< 0.50	< 0.50	< 0.50	108	0.031	< 1.676	< 0.00020	< 0.0133	0.0325	1.0452					
					W-INT1	< 50.0	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50											
					W-INT2	< 50.0	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50										
					W-PSP-1	< 50.0	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50										

Notes:

- W-INF = Water influent combined.
- W-INT1 = Water intermediate after first carbon vessel.
- W-INT2 = Water intermediate after second carbon vessel.
- PSP-1 = Water effluent.
- hrs = Hours.
- gal = Gallons.
- gpm = Gallons per minute.
- TPHg = Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015m.
- TPHd = Total petroleum hydrocarbons as diesel analyzed using modified EPA Method 8015m.
- BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
- MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8021B.
- µg/L = Micrograms per liter.
- < = Less than the laboratory method reporting limit.
- a = Diesel-range organic compounds reported in sample; however, chromatogram pattern is not representative of diesel fuel.
- b = Diesel result was within the range diesel fuel. There was insufficient area for pattern match.
- c = Sample mislabeled as W-EFF on COC and lab report.
- d = Sample inadvertently misdated by laboratory. Correct sampling date is shown.

\* If value is below laboratory reporting limit, then detection limit value is used for removal calculations.

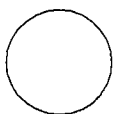
\*\* Indicates the concentrations of identifiable analytes are below the laboratory reporting limit unless otherwise noted.



3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 550 ft Scale: 1:19,500 Detail: 13-4 Datum: WGS84

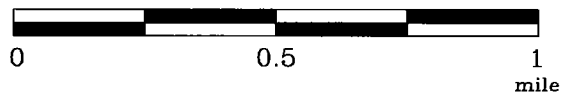
FN 2293TOPO

**EXPLANATION**



1/2-mile radius circle

**APPROXIMATE SCALE**



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

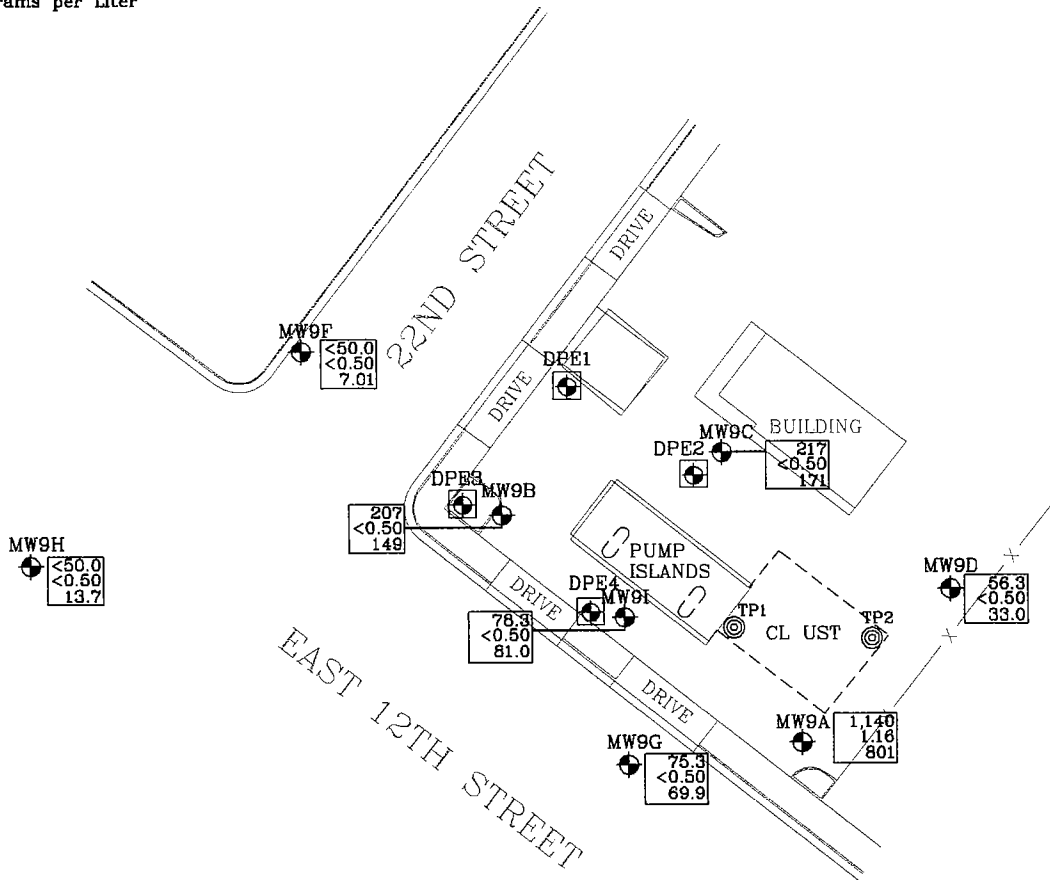
**PLATE**

1

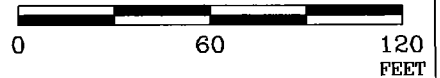


Analyte Concentrations in ug/L  
 Sampled December 9 and 30, 2005

- 1.140 Total Petroleum Hydrocarbons as gasoline
- 1.16 Benzene
- 801 Methyl Tertiary Butyl Ether (EPA Method 8260B)
- < Less Than the Stated Laboratory Reporting Limit
- ug/L Micrograms per Liter



APPROXIMATE SCALE



SOURCE:  
 Modified from a map  
 provided by  
 Morrow Surveying

FN: 22930005\_QM

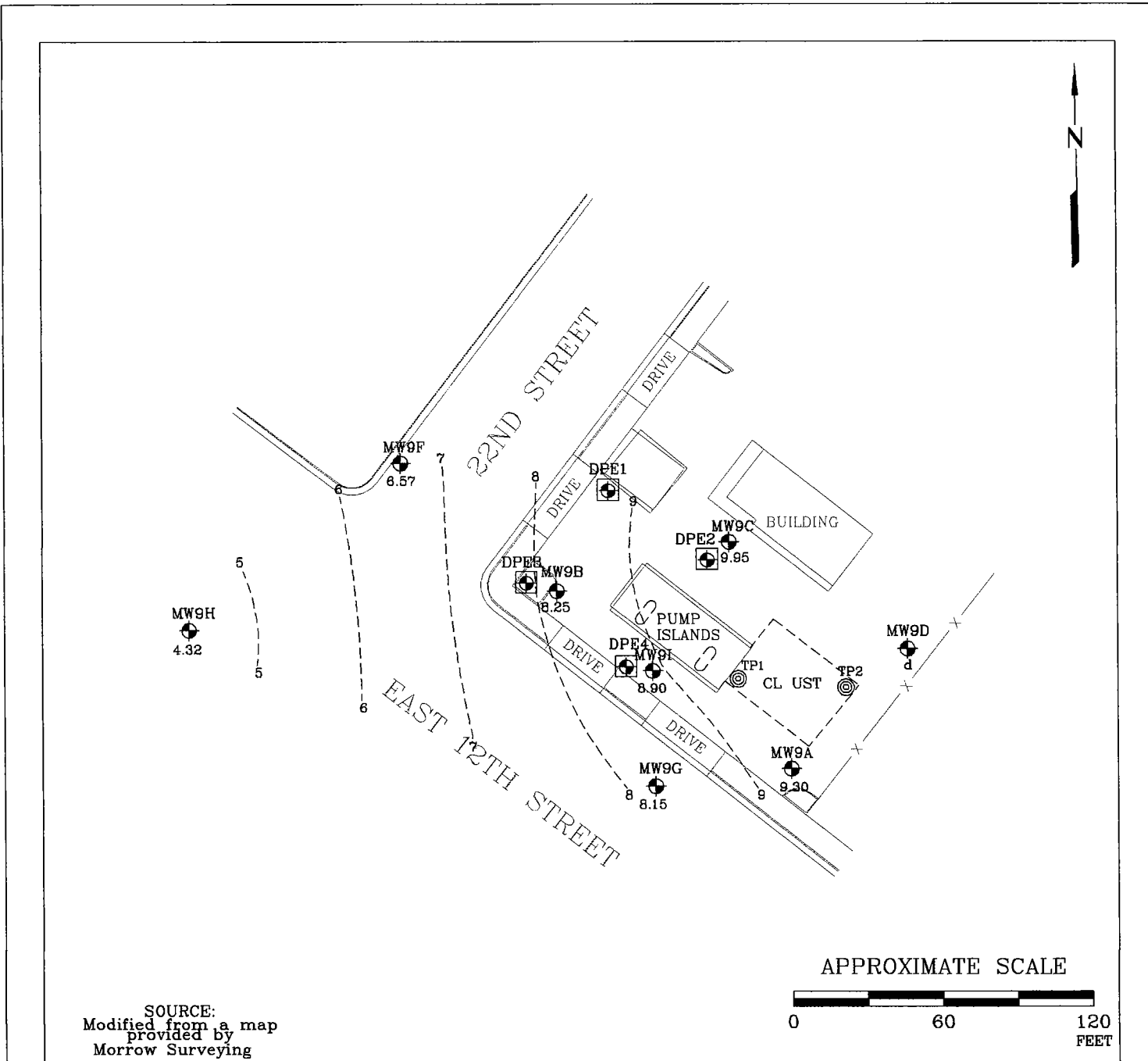
**EXPLANATION**

- MW9I  
 Groundwater Monitoring Well
  
- DPE4  
 Dual-Phase Extraction Well
  
- TP2  
 Tank Pit Well




**SELECT ANALYTICAL RESULTS**  
**December 9 and 30, 2005**  
 FORMER EXXON SERVICE STATION 7-0238  
 2200 East 12th Street  
 Oakland, California

<b>PROJECT NO.</b>	2293
<b>PLATE</b>	2




FN: 22930005\_QM


**EXPLANATION**

**MW9I**  
 Groundwater Monitoring Well  
 8.90 Groundwater elevation in feet;  
 datum is mean sea level

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

**DPE4**  
 Dual-Phase Extraction Well

d Well inaccessible.

**TP2**  
 Tank Pit Well



**GROUNDWATER ELEVATION MAP**  
**December 30, 2005**  
 FORMER EXXON SERVICE STATION 7-0238  
 2200 East 12th Street  
 Oakland, California

**PROJECT NO.**

2293

**PLATE**

3

**ATTACHMENT A**  
**GROUNDWATER SAMPLING PROTOCOL**

## GROUNDWATER SAMPLING PROTOCOL

The static water level and separate-phase product level, if present, in each well that 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
$\pi$	=	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.

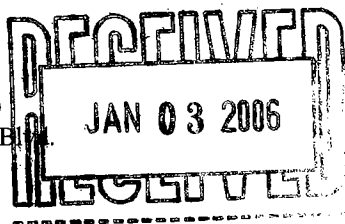
Each vial and glass amber bottle is sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace, which would allow volatilization to occur. The samples are promptly transported in iced storage in a thermally-insulated ice chest, accompanied by a Chain-of-Custody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

**ATTACHMENT B**

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



January 03, 2006



Client: ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn: Paula Sime

Work Order: NOL1536  
Project Name: Exxon 7-0238 PO:4505891267  
Project Nbr: 229313X  
Date Received: 12/13/05

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
QCBB	NOL1536-01	12/09/05 14:50
MW9A	NOL1536-02	12/09/05 11:20
MW9B	NOL1536-03	12/09/05 15:10
MW9C	NOL1536-04	12/09/05 15:20
MW9D	NOL1536-05	12/09/05 14:15
MW9I	NOL1536-06	12/09/05 15:00

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:

A handwritten signature in black ink that reads "Roxanne L. Connor". The signature is written in a cursive style.

Roxanne Connor

Senior Project Manager

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOL1536  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 229313X  
Received: 12/13/05 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NOL1536-02 (MW9A - Ground Water) Sampled: 12/09/05 11:20</b>								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	1.16		ug/L	0.50	1	12/22/05 15:50	SW846 8021B	5123925
Ethylbenzene	ND		ug/L	0.50	1	12/22/05 15:50	SW846 8021B	5123925
Toluene	ND		ug/L	0.50	1	12/22/05 15:50	SW846 8021B	5123925
Xylenes, total	ND		ug/L	0.50	1	12/22/05 15:50	SW846 8021B	5123925
Surr: a,a,a-Trifluorotoluene (63-134%)	108 %					12/22/05 15:50	SW846 8021B	5123925
Selected Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-Butyl Ether	801		ug/L	5.00	10	12/17/05 19:50	SW846 8260B	5123316
Surr: 1,2-Dichloroethane-d4 (70-130%)	109 %					12/17/05 19:50	SW846 8260B	5123316
Surr: Dibromofluoromethane (79-122%)	101 %					12/17/05 19:50	SW846 8260B	5123316
Surr: Toluene-d8 (78-121%)	72 %	Z10				12/17/05 19:50	SW846 8260B	5123316
Surr: 4-Bromofluorobenzene (78-126%)	103 %					12/17/05 19:50	SW846 8260B	5123316
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	1140		ug/L	50.0	1	12/22/05 15:50	SW846 8015B	5123925
Surr: a,a,a-Trifluorotoluene (63-134%)	108 %					12/22/05 15:50	SW846 8015B	5123925
<b>Sample ID: NOL1536-03 (MW9B - Ground Water) Sampled: 12/09/05 15:10</b>								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	12/22/05 16:17	SW846 8021B	5123925
Ethylbenzene	ND		ug/L	0.50	1	12/22/05 16:17	SW846 8021B	5123925
Toluene	ND		ug/L	0.50	1	12/22/05 16:17	SW846 8021B	5123925
Xylenes, total	ND		ug/L	0.50	1	12/22/05 16:17	SW846 8021B	5123925
Surr: a,a,a-Trifluorotoluene (63-134%)	106 %					12/22/05 16:17	SW846 8021B	5123925
Selected Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-Butyl Ether	149		ug/L	0.500	1	12/16/05 16:56	SW846 8260B	5124330
Surr: 1,2-Dichloroethane-d4 (70-130%)	97 %					12/16/05 16:56	SW846 8260B	5124330
Surr: Dibromofluoromethane (79-122%)	98 %					12/16/05 16:56	SW846 8260B	5124330
Surr: Toluene-d8 (78-121%)	103 %					12/16/05 16:56	SW846 8260B	5124330
Surr: 4-Bromofluorobenzene (78-126%)	103 %					12/16/05 16:56	SW846 8260B	5124330
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	207		ug/L	50.0	1	12/22/05 16:17	SW846 8015B	5123925
Surr: a,a,a-Trifluorotoluene (63-134%)	106 %					12/22/05 16:17	SW846 8015B	5123925
<b>Sample ID: NOL1536-04 (MW9C - Ground Water) Sampled: 12/09/05 15:20</b>								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	12/22/05 16:44	SW846 8021B	5123925
Ethylbenzene	ND		ug/L	0.50	1	12/22/05 16:44	SW846 8021B	5123925
Toluene	ND		ug/L	0.50	1	12/22/05 16:44	SW846 8021B	5123925
Xylenes, total	ND		ug/L	0.50	1	12/22/05 16:44	SW846 8021B	5123925
Surr: a,a,a-Trifluorotoluene (63-134%)	109 %					12/22/05 16:44	SW846 8021B	5123925
Selected Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-Butyl Ether	171		ug/L	0.500	1	12/16/05 17:23	SW846 8260B	5124330
Surr: 1,2-Dichloroethane-d4 (70-130%)	98 %					12/16/05 17:23	SW846 8260B	5124330

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOL1536  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 229313X  
Received: 12/13/05 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NOL1536-04 (MW9C - Ground Water) - cont. Sampled: 12/09/05 15:20</b>								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: Dibromofluoromethane (79-122%)	98 %					12/16/05 17:23	SW846 8260B	5124330
Surr: Toluene-d8 (78-121%)	99 %					12/16/05 17:23	SW846 8260B	5124330
Surr: 4-Bromofluorobenzene (78-126%)	100 %					12/16/05 17:23	SW846 8260B	5124330
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	217		ug/L	50.0	1	12/22/05 16:44	SW846 8015B	5123925
Surr: a,a,a-Trifluorotoluene (63-134%)	109 %					12/22/05 16:44	SW846 8015B	5123925
<b>Sample ID: NOL1536-05 (MW9D - Ground Water) Sampled: 12/09/05 14:15</b>								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	12/22/05 17:11	SW846 8021B	5123925
Ethylbenzene	ND		ug/L	0.50	1	12/22/05 17:11	SW846 8021B	5123925
Toluene	ND		ug/L	0.50	1	12/22/05 17:11	SW846 8021B	5123925
Xylenes, total	ND		ug/L	0.50	1	12/22/05 17:11	SW846 8021B	5123925
Surr: a,a,a-Trifluorotoluene (63-134%)	111 %					12/22/05 17:11	SW846 8021B	5123925
Selected Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-Butyl Ether	33.0		ug/L	0.500	1	12/16/05 17:50	SW846 8260B	5124330
Surr: 1,2-Dichloroethane-d4 (70-130%)	98 %					12/16/05 17:50	SW846 8260B	5124330
Surr: Dibromofluoromethane (79-122%)	98 %					12/16/05 17:50	SW846 8260B	5124330
Surr: Toluene-d8 (78-121%)	98 %					12/16/05 17:50	SW846 8260B	5124330
Surr: 4-Bromofluorobenzene (78-126%)	102 %					12/16/05 17:50	SW846 8260B	5124330
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	56.3		ug/L	50.0	1	12/22/05 17:11	SW846 8015B	5123925
Surr: a,a,a-Trifluorotoluene (63-134%)	111 %					12/22/05 17:11	SW846 8015B	5123925
<b>Sample ID: NOL1536-06 (MW9I - Ground Water) Sampled: 12/09/05 15:00</b>								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	12/22/05 17:38	SW846 8021B	5123925
Ethylbenzene	ND		ug/L	0.50	1	12/22/05 17:38	SW846 8021B	5123925
Toluene	0.58		ug/L	0.50	1	12/22/05 17:38	SW846 8021B	5123925
Xylenes, total	ND		ug/L	0.50	1	12/22/05 17:38	SW846 8021B	5123925
Surr: a,a,a-Trifluorotoluene (63-134%)	111 %					12/22/05 17:38	SW846 8021B	5123925
Selected Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-Butyl Ether	81.0		ug/L	0.500	1	12/16/05 18:18	SW846 8260B	5124330
Surr: 1,2-Dichloroethane-d4 (70-130%)	99 %					12/16/05 18:18	SW846 8260B	5124330
Surr: Dibromofluoromethane (79-122%)	99 %					12/16/05 18:18	SW846 8260B	5124330
Surr: Toluene-d8 (78-121%)	98 %					12/16/05 18:18	SW846 8260B	5124330
Surr: 4-Bromofluorobenzene (78-126%)	100 %					12/16/05 18:18	SW846 8260B	5124330
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	78.3		ug/L	50.0	1	12/22/05 17:38	SW846 8015B	5123925
Surr: a,a,a-Trifluorotoluene (63-134%)	111 %					12/22/05 17:38	SW846 8015B	5123925

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOL1536  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 229313X  
Received: 12/13/05 08:00

**PROJECT QUALITY CONTROL DATA**  
**Blank**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8021B</b>						
<b>5123925-BLK1</b>						
Benzene	<0.42		ug/L	5123925	5123925-BLK1	12/22/05 14:28
Ethylbenzene	<0.36		ug/L	5123925	5123925-BLK1	12/22/05 14:28
Toluene	<0.36		ug/L	5123925	5123925-BLK1	12/22/05 14:28
Xylenes, total	<0.36		ug/L	5123925	5123925-BLK1	12/22/05 14:28
Surrogate: <i>a,a,a-Trifluorotoluene</i>	109%			5123925	5123925-BLK1	12/22/05 14:28
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>						
<b>5123316-BLK1</b>						
Methyl tert-Butyl Ether	<0.200		ug/L	5123316	5123316-BLK1	12/17/05 19:23
Surrogate: <i>1,2-Dichloroethane-d4</i>	105%			5123316	5123316-BLK1	12/17/05 19:23
Surrogate: <i>Dibromofluoromethane</i>	94%			5123316	5123316-BLK1	12/17/05 19:23
Surrogate: <i>Toluene-d8</i>	99%			5123316	5123316-BLK1	12/17/05 19:23
Surrogate: <i>4-Bromofluorobenzene</i>	101%			5123316	5123316-BLK1	12/17/05 19:23
<b>5123316-BLK2</b>						
Methyl tert-Butyl Ether	<0.200		ug/L	5123316	5123316-BLK2	12/18/05 01:46
Surrogate: <i>1,2-Dichloroethane-d4</i>	92%			5123316	5123316-BLK2	12/18/05 01:46
Surrogate: <i>Dibromofluoromethane</i>	81%			5123316	5123316-BLK2	12/18/05 01:46
Surrogate: <i>Toluene-d8</i>	84%			5123316	5123316-BLK2	12/18/05 01:46
Surrogate: <i>4-Bromofluorobenzene</i>	110%			5123316	5123316-BLK2	12/18/05 01:46
<b>5124330-BLK1</b>						
Methyl tert-Butyl Ether	<0.200		ug/L	5124330	5124330-BLK1	12/16/05 10:59
Surrogate: <i>1,2-Dichloroethane-d4</i>	93%			5124330	5124330-BLK1	12/16/05 10:59
Surrogate: <i>Dibromofluoromethane</i>	94%			5124330	5124330-BLK1	12/16/05 10:59
Surrogate: <i>Toluene-d8</i>	101%			5124330	5124330-BLK1	12/16/05 10:59
Surrogate: <i>4-Bromofluorobenzene</i>	105%			5124330	5124330-BLK1	12/16/05 10:59
<b>Purgeable Petroleum Hydrocarbons</b>						
<b>5123925-BLK1</b>						
GRO as Gasoline	<33.0		ug/L	5123925	5123925-BLK1	12/22/05 14:28
Surrogate: <i>a,a,a-Trifluorotoluene</i>	109%			5123925	5123925-BLK1	12/22/05 14:28

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOL1536  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 229313X  
Received: 12/13/05 08:00

PROJECT QUALITY CONTROL DATA  
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8021B</b>								
<b>5123925-BS1</b>								
Benzene	100	105		ug/L	105%	77 - 122	5123925	12/23/05 00:47
Ethylbenzene	100	103		ug/L	103%	77 - 121	5123925	12/23/05 00:47
Toluene	100	96.7		ug/L	97%	74 - 121	5123925	12/23/05 00:47
Xylenes, total	200	204		ug/L	102%	72 - 121	5123925	12/23/05 00:47
Surrogate: a,a,a-Trifluorotoluene	30.0	33.0			110%	63 - 134	5123925	12/23/05 00:47
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>								
<b>5123316-BS1</b>								
Methyl tert-Butyl Ether	50.0	52.3		ug/L	105%	66 - 142	5123316	12/17/05 18:01
Surrogate: 1,2-Dichloroethane-d4	50.0	50.9			102%	70 - 130	5123316	12/17/05 18:01
Surrogate: Dibromofluoromethane	50.0	46.8			94%	79 - 122	5123316	12/17/05 18:01
Surrogate: Toluene-d8	50.0	42.1			84%	78 - 121	5123316	12/17/05 18:01
Surrogate: 4-Bromofluorobenzene	50.0	50.4			101%	78 - 126	5123316	12/17/05 18:01
<b>5123316-BS2</b>								
Methyl tert-Butyl Ether	50.0	56.9		ug/L	114%	66 - 142	5123316	12/18/05 00:51
Surrogate: 1,2-Dichloroethane-d4	50.0	45.3			91%	70 - 130	5123316	12/18/05 00:51
Surrogate: Dibromofluoromethane	50.0	40.9			82%	79 - 122	5123316	12/18/05 00:51
Surrogate: Toluene-d8	50.0	40.0			80%	78 - 121	5123316	12/18/05 00:51
Surrogate: 4-Bromofluorobenzene	50.0	54.1			108%	78 - 126	5123316	12/18/05 00:51
<b>5124330-BS1</b>								
Methyl tert-Butyl Ether	50.0	52.7		ug/L	105%	66 - 142	5124330	12/16/05 09:29
Surrogate: 1,2-Dichloroethane-d4	50.0	45.9			92%	70 - 130	5124330	12/16/05 09:29
Surrogate: Dibromofluoromethane	50.0	46.9			94%	79 - 122	5124330	12/16/05 09:29
Surrogate: Toluene-d8	50.0	52.8			106%	78 - 121	5124330	12/16/05 09:29
Surrogate: 4-Bromofluorobenzene	50.0	51.5			103%	78 - 126	5124330	12/16/05 09:29
<b>Purgeable Petroleum Hydrocarbons</b>								
<b>5123925-BS2</b>								
GRO as Gasoline	1000	1130		ug/L	113%	68 - 128	5123925	12/23/05 01:14
Surrogate: a,a,a-Trifluorotoluene	30.0	34.2			114%	63 - 134	5123925	12/23/05 01:14

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOL1536  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 229313X  
 Received: 12/13/05 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
<b>Volatile Organic Compounds by EPA Method 8021B</b>										
<b>5123925-MS1</b>										
Benzene	50.4	169		ug/L	100	119%	50 - 159	5123925	NOL1338-17	12/22/05 23:53
Ethylbenzene	81.0	189		ug/L	100	108%	50 - 155	5123925	NOL1338-17	12/22/05 23:53
Toluene	15.4	128		ug/L	100	113%	57 - 150	5123925	NOL1338-17	12/22/05 23:53
Xylenes, total	204	408		ug/L	200	102%	48 - 151	5123925	NOL1338-17	12/22/05 23:53
<i>Surrogate: a,a,a-Trifluorotoluene</i>		32.3		ug/L	30.0	108%	63 - 134	5123925	NOL1338-17	12/22/05 23:53

**Selected Volatile Organic Compounds by EPA Method 8260B**

**5124330-MS1**

Methyl tert-Butyl Ether	1.00E9	1.00E9	MHA	ug/L	50.0	0%	55 - 152	5124330	NOL1752-04	12/16/05 20:07
<i>Surrogate: 1,2-Dichloroethane-d4</i>		49.4		ug/L	50.0	99%	70 - 130	5124330	NOL1752-04	12/16/05 20:07
<i>Surrogate: Dibromofluoromethane</i>		49.4		ug/L	50.0	99%	79 - 122	5124330	NOL1752-04	12/16/05 20:07
<i>Surrogate: Toluene-d8</i>		52.1		ug/L	50.0	104%	78 - 121	5124330	NOL1752-04	12/16/05 20:07
<i>Surrogate: 4-Bromofluorobenzene</i>		48.9		ug/L	50.0	98%	78 - 126	5124330	NOL1752-04	12/16/05 20:07

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOL1536  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 229313X  
 Received: 12/13/05 08:00

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike Dup**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8021B</b>												
<b>5123925-MSD1</b>												
Benzene	50.4	173		ug/L	100	123%	50 - 159	2	33	5123925	NOL1338-17	12/23/05 00:20
Ethylbenzene	81.0	191		ug/L	100	110%	50 - 155	1	35	5123925	NOL1338-17	12/23/05 00:20
Toluene	15.4	122		ug/L	100	107%	57 - 150	5	33	5123925	NOL1338-17	12/23/05 00:20
Xylenes, total	204	419		ug/L	200	108%	48 - 151	3	35	5123925	NOL1338-17	12/23/05 00:20
Surrogate: a,a,a-Trifluorotoluene		32.5		ug/L	30.0	108%	63 - 134			5123925	NOL1338-17	12/23/05 00:20
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>												
<b>5124330-MSD1</b>												
Methyl tert-Butyl Ether	1.00E9	1.00E9	MHA	ug/L	50.0	0%	55 - 152	0	27	5124330	NOL1752-04	12/16/05 20:35
Surrogate: 1,2-Dichloroethane-d4		48.9		ug/L	50.0	98%	70 - 130			5124330	NOL1752-04	12/16/05 20:35
Surrogate: Dibromofluoromethane		48.8		ug/L	50.0	98%	79 - 122			5124330	NOL1752-04	12/16/05 20:35
Surrogate: Toluene-d8		51.8		ug/L	50.0	104%	78 - 121			5124330	NOL1752-04	12/16/05 20:35
Surrogate: 4-Bromofluorobenzene		50.6		ug/L	50.0	101%	78 - 126			5124330	NOL1752-04	12/16/05 20:35

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOL1536  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 229313X  
 Received: 12/13/05 08:00

### CERTIFICATION SUMMARY

**TestAmerica Analytical - Nashville**

Method	Matrix	AIHA	Nelac	California
NA	Water			
SW846 8015B	Water	N/A	X	X
SW846 8021B	Water	N/A	X	X
SW846 8260B	Water	N/A	X	X



Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954

Attn Paula Sime

Work Order: NOL1536  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 229313X  
Received: 12/13/05 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>	<u>Analyte</u>
---------------	---------------	----------------

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954

Attn Paula Sime

Work Order: NOL1536  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 229313X  
Received: 12/13/05 08:00

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## DATA QUALIFIERS AND DEFINITIONS

**MHA** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).

**Z10** Surrogate outside laboratory historical limits but within method guidelines. No effect on data.

## METHOD MODIFICATION NOTES



**COOLER RECEIPT FORM**

BC#

NOL1536

Client Name :

Cooler Received/Opened On: 12-13-05 Accessioned By: Lori Faxthing

Lori Faxthing  
Log-in Personnel Signature

1. Temperature of Cooler when triaged: -0.6<sup>o</sup> Degrees Celsius
2. Were custody seals on outside of cooler?.....  YES...NO...NA
  - a. If yes, how many and where: 1 front
3. Were custody seals on containers?.....  NO...YES...NA
4. Were the seals intact, signed, and dated correctly?.....  YES...NO...NA
5. Were custody papers inside cooler?.....  YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?.....  YES...NO...NA
7. Did you sign the custody papers in the appropriate place?.....  YES...NO...NA
8. What kind of packing material used?
 

<input checked="" type="radio"/> Bubblewrap	<input type="radio"/> Peanuts	<input type="radio"/> Vermiculite	<input type="radio"/> Foam Insert
<input checked="" type="radio"/> Ziplock baggies	<input type="radio"/> Paper	<input type="radio"/> Other	<input type="radio"/> None
9. Cooling process:
 

<input checked="" type="radio"/> Ice	<input type="radio"/> Ice-pack	<input type="radio"/> Ice (direct contact)	<input type="radio"/> Dry ice	<input type="radio"/> Other	<input type="radio"/> None
--------------------------------------	--------------------------------	--	-------------------------------	-----------------------------	----------------------------
10. Did all containers arrive in good condition (unbroken)?.....  YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?.....  YES...NO...NA
12. Did all container labels and tags agree with custody papers?.....  YES...NO...NA
13. Were correct containers used for the analysis requested?.....  YES...NO...NA
14. a. Were VOA vials received?.....  YES...NO...NA
  - b. Was there any observable head space present in any VOA vial?.....  NO...YES...NA
15. Was sufficient amount of sample sent in each container?.....  YES...NO...NA
16. Were correct preservatives used?.....  YES...NO...NA
 

If not, record standard ID of preservative used here \_\_\_\_\_
17. Was residual chlorine present?..... NO...YES...  NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

<input checked="" type="radio"/> Fed-Ex	<input type="radio"/> UPS	<input type="radio"/> Velocity	<input type="radio"/> DHL	<input type="radio"/> Route	<input type="radio"/> Off-street	<input type="radio"/> Misc.
---	---------------------------	--------------------------------	---------------------------	-----------------------------	----------------------------------	-----------------------------

5853

19. If a Non-Conformance exists, see attached or comments below:

BIS = Broken in shipment  
Cooler Receipt Form



(615) 726-0177

Nashville Division

2960 Foster Creighton

Nashville, TN 37204



Consultant Name: Environmental Resolutions, Inc.

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) Chris Caccarelli

Sampler Signature: [Signature]

Lab Courier  Hand Deliver  Commercial Express  Other: \_\_\_\_\_

ExxonMobil Engineer Jennifer Sedlachek

Telephone Number (510) 547-8196

Account #: 10228

PO #: 4505891267

Facility ID #: 70238

Global ID# T0600101343

Site Address 2200 East 12th Street

City, State Zip Oakland, California

TAT  
 24 hour  72 hour  
 48 hour  96 hour  
 8 day

PROVIDE:  
 EDF Report

Special Instructions:  
 7 CA Oxys = MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, EDB.

Matrix Analyze For:

**NOL1536**  
 12/22/05 17:00

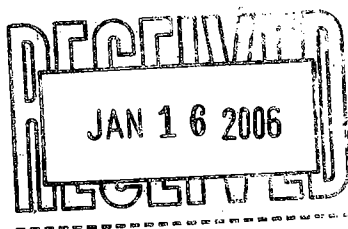
	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Water	Soil	Vapor	TPHg 8015B	BTEX 8021B	MTBE 8260B	7 CA Oxys 8260B	Ethanol 8260B							
QCBB	12-9	1450			HCl	2 VOAs	X			H	O	L	D								
MW9A		1120			HCl	6 VOAs	X			X	X	X									
MW9B		1510			HCl	6 VOAs	X			X	X	X									
MW9C		1520			HCl	6 VOAs	X			X	X	X									
MW9D		1415			HCl	6 VOAs	X			X	X	X									
MW9F		NO Sample			HCl	6 VOAs	X			X	X	X									
MW9G		NO Sample			HCl	6 VOAs	X			X	X	X									
MW9H		NO Sample			HCl	6 VOAs	X			X	X	X									
MW9I		1500			HCl	6 VOAs	X			X	X	X									

Relinquished by: [Signature] Date 12-9-05 Time 1700  
 Relinquished by: [Signature] Date 12-12-05 Time 650

Received by: Sample fridge Time 1700  
 Received by TestAmerica: [Signature] Time 8:00

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

January 16, 2006



Client: ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn: Paula Sime

Work Order: NPA0118  
Project Name: Exxon 7-0238 PO:4505891267  
Project Nbr: 229313X  
Date Received: 01/04/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW9F	NPA0118-02	12/30/05 12:05
MW9G	NPA0118-03	12/30/05 11:45
MW9H	NPA0118-04	12/30/05 13:15

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, 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:

Roxanne Connor  
Senior Project Manager

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NPA0118  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 229313X  
Received: 01/04/06 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NPA0118-02 (MW9F - Ground Water) Sampled: 12/30/05 12:05</b>								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	01/07/06 01:43	SW846 8021B	6010909
Ethylbenzene	ND		ug/L	0.50	1	01/07/06 01:43	SW846 8021B	6010909
Toluene	ND		ug/L	0.50	1	01/07/06 01:43	SW846 8021B	6010909
Xylenes, total	ND		ug/L	0.50	1	01/07/06 01:43	SW846 8021B	6010909
<i>Surr: a,a,a-Trifluorotoluene (63-134%)</i>	96 %					01/07/06 01:43	SW846 8021B	6010909
Selected Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-Butyl Ether	7.01		ug/L	0.500	1	01/10/06 23:55	SW846 8260B	6010945
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	98 %					01/10/06 23:55	SW846 8260B	6010945
<i>Surr: Dibromofluoromethane (79-122%)</i>	106 %					01/10/06 23:55	SW846 8260B	6010945
<i>Surr: Toluene-d8 (78-121%)</i>	76 %	Z10				01/10/06 23:55	SW846 8260B	6010945
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	91 %					01/10/06 23:55	SW846 8260B	6010945
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	01/07/06 01:43	SW846 8015B	6010909
<i>Surr: a,a,a-Trifluorotoluene (63-134%)</i>	96 %					01/07/06 01:43	SW846 8015B	6010909
<b>Sample ID: NPA0118-03 (MW9G - Ground Water) Sampled: 12/30/05 11:45</b>								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	01/07/06 02:16	SW846 8021B	6010909
Ethylbenzene	ND		ug/L	0.50	1	01/07/06 02:16	SW846 8021B	6010909
Toluene	ND		ug/L	0.50	1	01/07/06 02:16	SW846 8021B	6010909
Xylenes, total	ND		ug/L	0.50	1	01/07/06 02:16	SW846 8021B	6010909
<i>Surr: a,a,a-Trifluorotoluene (63-134%)</i>	96 %					01/07/06 02:16	SW846 8021B	6010909
Selected Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-Butyl Ether	69.9		ug/L	0.500	1	01/11/06 04:14	SW846 8260B	6010945
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	95 %					01/11/06 04:14	SW846 8260B	6010945
<i>Surr: Dibromofluoromethane (79-122%)</i>	104 %					01/11/06 04:14	SW846 8260B	6010945
<i>Surr: Toluene-d8 (78-121%)</i>	75 %	Z10				01/11/06 04:14	SW846 8260B	6010945
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	88 %					01/11/06 04:14	SW846 8260B	6010945
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	75.3		ug/L	50.0	1	01/07/06 02:16	SW846 8015B	6010909
<i>Surr: a,a,a-Trifluorotoluene (63-134%)</i>	96 %					01/07/06 02:16	SW846 8015B	6010909
<b>Sample ID: NPA0118-04 (MW9H - Ground Water) Sampled: 12/30/05 13:15</b>								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	01/07/06 02:48	SW846 8021B	6010909
Ethylbenzene	ND		ug/L	0.50	1	01/07/06 02:48	SW846 8021B	6010909
Toluene	ND		ug/L	0.50	1	01/07/06 02:48	SW846 8021B	6010909
Xylenes, total	ND		ug/L	0.50	1	01/07/06 02:48	SW846 8021B	6010909
<i>Surr: a,a,a-Trifluorotoluene (63-134%)</i>	96 %					01/07/06 02:48	SW846 8021B	6010909
Selected Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-Butyl Ether	13.7		ug/L	0.500	1	01/11/06 04:43	SW846 8260B	6010945
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	98 %					01/11/06 04:43	SW846 8260B	6010945

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NPA0118  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 229313X  
 Received: 01/04/06 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NPA0118-04 (MW9H - Ground Water) - cont. Sampled: 12/30/05 13:15</b>								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: Dibromofluoromethane (79-122%)	107 %					01/11/06 04:43	SW846 8260B	6010945
Surr: Toluene-d8 (78-121%)	73 %	Z10				01/11/06 04:43	SW846 8260B	6010945
Surr: 4-Bromofluorobenzene (78-126%)	88 %					01/11/06 04:43	SW846 8260B	6010945
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	01/07/06 02:48	SW846 8015B	6010909
Surr: a,a,a-Trifluorotoluene (63-134%)	96 %					01/07/06 02:48	SW846 8015B	6010909

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NPA0118  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 229313X  
 Received: 01/04/06 08:00

**PROJECT QUALITY CONTROL DATA**  
**Blank**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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**Volatile Organic Compounds by EPA Method 8021B**

**6010909-BLK1**

Benzene	<0.42		ug/L	6010909	6010909-BLK1	01/06/06 20:21
Ethylbenzene	<0.36		ug/L	6010909	6010909-BLK1	01/06/06 20:21
Toluene	<0.36		ug/L	6010909	6010909-BLK1	01/06/06 20:21
Xylenes, total	<0.36		ug/L	6010909	6010909-BLK1	01/06/06 20:21
Surrogate: <i>a,a,a</i> -Trifluorotoluene	97%			6010909	6010909-BLK1	01/06/06 20:21

**6010909-BLK2**

Benzene	<0.42		ug/L	6010909	6010909-BLK2	01/07/06 12:05
Ethylbenzene	<0.36		ug/L	6010909	6010909-BLK2	01/07/06 12:05
Toluene	<0.36		ug/L	6010909	6010909-BLK2	01/07/06 12:05
Xylenes, total	<0.36		ug/L	6010909	6010909-BLK2	01/07/06 12:05
Surrogate: <i>a,a,a</i> -Trifluorotoluene	97%			6010909	6010909-BLK2	01/07/06 12:05

**Selected Volatile Organic Compounds by EPA Method 8260B**

**6010945-BLK1**

Methyl tert-Butyl Ether	<0.200		ug/L	6010945	6010945-BLK1	01/10/06 15:15
Surrogate: <i>1,2</i> -Dichloroethane- <i>d4</i>	100%			6010945	6010945-BLK1	01/10/06 15:15
Surrogate: Dibromofluoromethane	100%			6010945	6010945-BLK1	01/10/06 15:15
Surrogate: Toluene- <i>d8</i>	76%	Z10		6010945	6010945-BLK1	01/10/06 15:15
Surrogate: <i>4</i> -Bromofluorobenzene	93%			6010945	6010945-BLK1	01/10/06 15:15

**6010945-BLK2**

Methyl tert-Butyl Ether	<0.200		ug/L	6010945	6010945-BLK2	01/11/06 03:16
Surrogate: <i>1,2</i> -Dichloroethane- <i>d4</i>	104%			6010945	6010945-BLK2	01/11/06 03:16
Surrogate: Dibromofluoromethane	106%			6010945	6010945-BLK2	01/11/06 03:16
Surrogate: Toluene- <i>d8</i>	76%	Z10		6010945	6010945-BLK2	01/11/06 03:16
Surrogate: <i>4</i> -Bromofluorobenzene	92%			6010945	6010945-BLK2	01/11/06 03:16

**Purgeable Petroleum Hydrocarbons**

**6010909-BLK1**

GRO as Gasoline	<33.0		ug/L	6010909	6010909-BLK1	01/06/06 20:21
Surrogate: <i>a,a,a</i> -Trifluorotoluene	97%			6010909	6010909-BLK1	01/06/06 20:21

**6010909-BLK2**

GRO as Gasoline	<33.0		ug/L	6010909	6010909-BLK2	01/07/06 12:05
Surrogate: <i>a,a,a</i> -Trifluorotoluene	97%			6010909	6010909-BLK2	01/07/06 12:05



Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NPA0118  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 229313X  
Received: 01/04/06 08:00

PROJECT QUALITY CONTROL DATA  
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8021B</b>								
<b>6010909-BS1</b>								
Benzene	100	97.6		ug/L	98%	77 - 122	6010909	01/07/06 08:42
Ethylbenzene	100	96.2		ug/L	96%	77 - 121	6010909	01/07/06 08:42
Toluene	100	97.6		ug/L	98%	74 - 121	6010909	01/07/06 08:42
Xylenes, total	200	198		ug/L	99%	72 - 121	6010909	01/07/06 08:42
Surrogate: a,a,a-Trifluorotoluene	30.0	29.7			99%	63 - 134	6010909	01/07/06 08:42
<b>6010909-BS3</b>								
Benzene	100	97.6		ug/L	98%	77 - 122	6010909	01/07/06 18:32
Ethylbenzene	100	96.3		ug/L	96%	77 - 121	6010909	01/07/06 18:32
Toluene	100	97.8		ug/L	98%	74 - 121	6010909	01/07/06 18:32
Xylenes, total	200	198		ug/L	99%	72 - 121	6010909	01/07/06 18:32
Surrogate: a,a,a-Trifluorotoluene	30.0	29.7			99%	63 - 134	6010909	01/07/06 18:32
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>								
<b>6010945-BS1</b>								
Methyl tert-Butyl Ether	50.0	45.9		ug/L	92%	66 - 142	6010945	01/10/06 14:17
Surrogate: 1,2-Dichloroethane-d4	50.0	48.8			98%	70 - 130	6010945	01/10/06 14:17
Surrogate: Dibromofluoromethane	50.0	51.4			103%	79 - 122	6010945	01/10/06 14:17
Surrogate: Toluene-d8	50.0	38.6	Z10		77%	78 - 121	6010945	01/10/06 14:17
Surrogate: 4-Bromofluorobenzene	50.0	44.2			88%	78 - 126	6010945	01/10/06 14:17
<b>6010945-BS2</b>								
Methyl tert-Butyl Ether	50.0	43.1		ug/L	86%	66 - 142	6010945	01/11/06 02:19
Surrogate: 1,2-Dichloroethane-d4	50.0	47.3			95%	70 - 130	6010945	01/11/06 02:19
Surrogate: Dibromofluoromethane	50.0	52.1			104%	79 - 122	6010945	01/11/06 02:19
Surrogate: Toluene-d8	50.0	37.7	Z10		75%	78 - 121	6010945	01/11/06 02:19
Surrogate: 4-Bromofluorobenzene	50.0	41.4			83%	78 - 126	6010945	01/11/06 02:19
<b>Purgeable Petroleum Hydrocarbons</b>								
<b>6010909-BS2</b>								
GRO as Gasoline	1000	847		ug/L	85%	68 - 128	6010909	01/07/06 09:14
Surrogate: a,a,a-Trifluorotoluene	30.0	32.0			107%	63 - 134	6010909	01/07/06 09:14
<b>6010909-BS4</b>								
GRO as Gasoline	1000	896		ug/L	90%	68 - 128	6010909	01/07/06 19:05
Surrogate: a,a,a-Trifluorotoluene	30.0	32.1			107%	63 - 134	6010909	01/07/06 19:05

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NPA0118  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 229313X  
 Received: 01/04/06 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
<b>Volatile Organic Compounds by EPA Method 8021B</b>										
<b>6010909-MS1</b>										
Benzene	ND	51.3		ug/L	50.0	103%	50 - 159	6010909	NPA0030-01	01/07/06 07:38
Ethylbenzene	ND	49.5		ug/L	50.0	99%	50 - 155	6010909	NPA0030-01	01/07/06 07:38
Toluene	0.0680	51.1		ug/L	50.0	102%	57 - 150	6010909	NPA0030-01	01/07/06 07:38
Xylenes, total	ND	102		ug/L	100	102%	48 - 151	6010909	NPA0030-01	01/07/06 07:38
Surrogate: a,a,a-Trifluorotoluene		29.6		ug/L	30.0	99%	63 - 134	6010909	NPA0030-01	01/07/06 07:38
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>										
<b>6010945-MS1</b>										
Methyl tert-Butyl Ether	ND	44.5		ug/L	50.0	89%	55 - 152	6010945	NOL3848-02	01/11/06 00:23
Surrogate: 1,2-Dichloroethane-d4		50.2		ug/L	50.0	100%	70 - 130	6010945	NOL3848-02	01/11/06 00:23
Surrogate: Dibromofluoromethane		51.6		ug/L	50.0	103%	79 - 122	6010945	NOL3848-02	01/11/06 00:23
Surrogate: Toluene-d8		37.8	Z10	ug/L	50.0	76%	78 - 121	6010945	NOL3848-02	01/11/06 00:23
Surrogate: 4-Bromofluorobenzene		43.2		ug/L	50.0	86%	78 - 126	6010945	NOL3848-02	01/11/06 00:23

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NPA0118  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 229313X  
 Received: 01/04/06 08:00

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike Dup**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8021B</b>												
<b>6010909-MSD1</b>												
Benzene	ND	53.4		ug/L	50.0	107%	50 - 159	4	33	6010909	NPA0030-01	01/07/06 08:10
Ethylbenzene	ND	51.8		ug/L	50.0	104%	50 - 155	5	35	6010909	NPA0030-01	01/07/06 08:10
Toluene	0.0680	53.2		ug/L	50.0	106%	57 - 150	4	33	6010909	NPA0030-01	01/07/06 08:10
Xylenes, total	ND	106		ug/L	100	106%	48 - 151	4	35	6010909	NPA0030-01	01/07/06 08:10
Surrogate: <i>a,a,a</i> -Trifluorotoluene		29.6		ug/L	30.0	99%	63 - 134			6010909	NPA0030-01	01/07/06 08:10
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>												
<b>6010945-MSD1</b>												
Methyl tert-Butyl Ether	ND	43.5		ug/L	50.0	87%	55 - 152	2	27	6010945	NOL3848-02	01/11/06 00:52
Surrogate: <i>1,2</i> -Dichloroethane- <i>d4</i>		51.0		ug/L	50.0	102%	70 - 130			6010945	NOL3848-02	01/11/06 00:52
Surrogate: Dibromofluoromethane		51.2		ug/L	50.0	102%	79 - 122			6010945	NOL3848-02	01/11/06 00:52
Surrogate: Toluene- <i>d8</i>		38.0	Z10	ug/L	50.0	76%	78 - 121			6010945	NOL3848-02	01/11/06 00:52
Surrogate: <i>4</i> -Bromofluorobenzene		43.4		ug/L	50.0	87%	78 - 126			6010945	NOL3848-02	01/11/06 00:52

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NPA0118  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 229313X  
Received: 01/04/06 08:00

### CERTIFICATION SUMMARY

#### TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	California
NA	Water			
SW846 8015B	Water	N/A	X	X
SW846 8021B	Water	N/A	X	X
SW846 8260B	Water	N/A	X	X

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Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NPA0118  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 229313X  
Received: 01/04/06 08:00

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## NELAC CERTIFICATION SUMMARY

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

Method

Matrix

Analyte

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

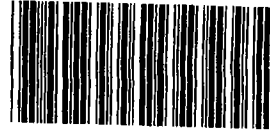
Work Order: NPA0118  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 229313X  
Received: 01/04/06 08:00

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## DATA QUALIFIERS AND DEFINITIONS

Z10 Surrogate outside laboratory historical limits but within method guidelines. No effect on data.

## METHOD MODIFICATION NOTES



**COOLER RECEIPT FORM**

**BC#**

NPA0118

**Client Name :** ERI

**Cooler Received/Opened On:** 1/4/06 **Accessioned By:** James D. Jacobs

[Signature]  
Log-in Personnel Signature

1. Temperature of Cooler when triaged: 2.4 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA  
a. If yes, how many and where: 1 Front
3. Were custody seals on containers?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert  
Ziplock baggies Paper Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition ( unbroken)?..... YES..NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA  
b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA

If not, record standard ID of preservative used here \_\_\_\_\_

17. Was residual chlorine present?..... NO...YES...NA

18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

5474

Fed-Ex UPS Velocity DHL Route Off-street Misc.

19. If a Non-Conformance exists, see attached or comments below:

1 vial BIS For MW96.





January 14, 2006

Client: ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn: Paula Sime

Work Order: NOL1446  
Project Name: Exxon 7-0238 PO:4505891267  
Project Nbr: 2293-11X  
Date Received: 12/13/05

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
A-INF	NOL1446-01	12/05/05 11:30
A-EFF	NOL1446-02	12/05/05 11:00

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.

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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:



Johnny A. Mitchell

Laboratory Director

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOL1446  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 12/13/05 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NOL1446-01 (A-INF - Air) Sampled: 12/05/05 11:30</b>								
BTEX in Air by GC/FID								
Methyl tert-Butyl Ether	7.62		mg/m3	0.500	1	12/13/05 20:21	EPA 18M	5122562
Benzene	1.77		mg/m3	0.500	1	12/13/05 20:21	EPA 18M	5122562
Toluene	ND		mg/m3	0.500	1	12/13/05 20:21	EPA 18M	5122562
Ethylbenzene	ND		mg/m3	0.500	1	12/13/05 20:21	EPA 18M	5122562
Xylenes, total	ND		mg/m3	1.50	1	12/13/05 20:21	EPA 18M	5122562
C4 - C10 Hydrocarbons	30.0		mg/m3	5.00	1	12/13/05 20:21	EPA 18M	5122562

**Sample ID: NOL1446-02 (A-EFF - Air) Sampled: 12/05/05 11:00**

BTEX in Air by GC/FID								
Methyl tert-Butyl Ether	ND		mg/m3	0.500	1	12/13/05 20:51	EPA 18M	5122562
Benzene	ND		mg/m3	0.500	1	12/13/05 20:51	EPA 18M	5122562
Toluene	ND		mg/m3	0.500	1	12/13/05 20:51	EPA 18M	5122562
Ethylbenzene	ND		mg/m3	0.500	1	12/13/05 20:51	EPA 18M	5122562
Xylenes, total	ND		mg/m3	1.50	1	12/13/05 20:51	EPA 18M	5122562
C4 - C10 Hydrocarbons	ND		mg/m3	5.00	1	12/13/05 20:51	EPA 18M	5122562

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOL1446  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 12/13/05 08:00

**PROJECT QUALITY CONTROL DATA**  
**Blank**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>BTEX in Air by GC/FID</b>						
<b>5122562-BLK1</b>						
Methyl tert-Butyl Ether	<0.210		mg/m3	5122562	5122562-BLK1	12/13/05 19:23
Benzene	<0.270		mg/m3	5122562	5122562-BLK1	12/13/05 19:23
Toluene	<0.190		mg/m3	5122562	5122562-BLK1	12/13/05 19:23
Ethylbenzene	<0.190		mg/m3	5122562	5122562-BLK1	12/13/05 19:23
Xylenes, total	<0.500		mg/m3	5122562	5122562-BLK1	12/13/05 19:23
C4 - C10 Hydrocarbons	<1.85		mg/m3	5122562	5122562-BLK1	12/13/05 19:23

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOL1446  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 12/13/05 08:00

**PROJECT QUALITY CONTROL DATA**  
**Duplicate**

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>BTEX in Air by GC/FID</b>									
<b>5122562-DUP1</b>									
Methyl tert-Butyl Ether	14.3	14.1		mg/m3	1	29	5122562	NOL1431-01	12/13/05 23:44
Benzene	13.0	12.4		mg/m3	5	16	5122562	NOL1431-01	12/13/05 23:44
Toluene	5.52	5.40		mg/m3	2	29	5122562	NOL1431-01	12/13/05 23:44
Ethylbenzene	4.45	4.45		mg/m3	0	29	5122562	NOL1431-01	12/13/05 23:44
Xylenes, total	36.5	36.7		mg/m3	0.5	40	5122562	NOL1431-01	12/13/05 23:44
C4 - C10 Hydrocarbons	304	298		mg/m3	2	26	5122562	NOL1431-01	12/13/05 23:44

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOL1446  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 12/13/05 08:00

PROJECT QUALITY CONTROL DATA  
 LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>BTEX in Air by GC/FID</b>								
<b>5122562-BS1</b>								
Methyl tert-Butyl Ether	17.8	17.9		mg/m3	101%	70 - 130	5122562	12/14/05 07:33
Benzene	16.1	15.7		mg/m3	98%	70 - 130	5122562	12/14/05 07:33
Toluene	19.0	18.9		mg/m3	99%	70 - 130	5122562	12/14/05 07:33
Ethylbenzene	21.9	22.2		mg/m3	101%	70 - 130	5122562	12/14/05 07:33
Xylenes, total	66.0	66.1		mg/m3	100%	70 - 130	5122562	12/14/05 07:33
C4 - C10 Hydrocarbons	259	205		mg/m3	79%	70 - 130	5122562	12/14/05 07:33

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOL1446  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 12/13/05 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
<b>BTEX in Air by GC/FID</b>										
<b>5122562-MS1</b>										
Methyl tert-Butyl Ether	14.3	45.0		mg/m3	35.6	86%	70 - 130	5122562	NOL1431-01	12/14/05 00:14
Benzene	13.0	35.5		mg/m3	32.3	70%	70 - 130	5122562	NOL1431-01	12/14/05 00:14
Toluene	5.52	31.1	M8	mg/m3	38.1	67%	70 - 130	5122562	NOL1431-01	12/14/05 00:14
Ethylbenzene	4.45	37.3		mg/m3	43.9	75%	70 - 130	5122562	NOL1431-01	12/14/05 00:14
Xylenes, total	36.5	120	M8	mg/m3	132	63%	70 - 130	5122562	NOL1431-01	12/14/05 00:14
C4 - C10 Hydrocarbons	304	720	M8	mg/m3	518	80%	70 - 130	5122562	NOL1431-01	12/14/05 00:14

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOL1446  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 12/13/05 08:00

## CERTIFICATION SUMMARY

### TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	California
EPA 18M	Air			
NA	Air			

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOL1446  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 12/13/05 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

Analyte  
Benzene  
C4 - C10 Hydrocarbons  
Ethylbenzene  
Methyl tert-Butyl Ether  
Toluene  
Xylenes, total



Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOL1446  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 12/13/05 08:00

---

#### DATA QUALIFIERS AND DEFINITIONS

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

#### METHOD MODIFICATION NOTES



CHAIN OF CUSTODY RECORD



(615) 726-0177

Nashville Division

2960 Foster Creighton

Nashville, TN 37204



Consultant Name: Environmental Resolutions, Inc.

Address: 601 North McDowell

City/State/Zip: Petaluma, CA 94954

Project Manager: Paula Sime

Telephone Number: 707-766-2000

ERI Job Number: 2293-11X

Sampler Name: (Print) J Herman

Sampler Signature: J Herman

ExxonMobil Engineer Jennifer Sedlachek

Telephone Number 510-547-8196

Account #: 10228

PO #: 4505891267

Facility ID #: 7-0238

Global ID#

Site Address 2200 East 12th

City, State Zip Oakland, California

TAT <input type="checkbox"/> 24 hour <input type="checkbox"/> 48 hour <input checked="" type="checkbox"/> 8 day	PROVIDE: EDF Report	Special Instructions: * Include MTBE	Matrix			Analyze For:													
			Water	Soil	Vapor	EPA 18*													
NOL1446 12/22/05 17:00																			
A-INF			DATE	TIME	COMP	GRAB	PRESERV	NUMBER											
			12/16/05	1130		X	NONE	1-1L			X								
A-EFF			11/11/05	1100		X	NONE	1-1L			X								

Relinquished by: J Herman Date 12/12/05 Time 9:00 Received by: \_\_\_\_\_ Time \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by TestAmerica: Joe Farley Date 12/3/05 Time 8:00

Laboratory Comments:  
 Temperature Upon Receipt: \_\_\_\_\_  
 Sample Containers Intact? yes  
 VOAs Free of Headspace? NA

November 21, 2005

NOV 21 2005

Client: ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn: Paula Sime

Work Order: NOK0863  
Project Name: Exxon 7-0238 PO:4505891267  
Project Nbr: 2293-11X  
Date Received: 11/08/05

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
A-INF	NOK0863-01	11/04/05 12:30
A-EFF	NOK0863-02	11/04/05 12:00

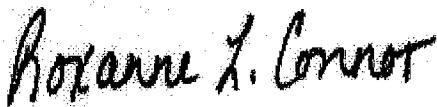
An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed,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

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California Certification Number: 01168CA

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:



Roxanne Connor

Senior Project Manager

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOK0863  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 11/08/05 07:45

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NOK0863-01 (A-INF - Air) Sampled: 11/04/05 12:30</b>									
BTEX in Air by GC/PID									
Methyl tert-Butyl Ether	ND		mg/m3	0.500	1	11/08/05 19:31	EPA 18M	Sys	5111401
Benzene	ND		mg/m3	0.500	1	11/08/05 19:31	EPA 18M	Sys	5111401
Toluene	ND		mg/m3	0.500	1	11/08/05 19:31	EPA 18M	Sys	5111401
Ethylbenzene	ND		mg/m3	0.500	1	11/08/05 19:31	EPA 18M	Sys	5111401
Xylenes, total	ND		mg/m3	1.50	1	11/08/05 19:31	EPA 18M	Sys	5111401
C4 - C10 Hydrocarbons	7.48		mg/m3	5.00	1	11/08/05 19:31	EPA 18M	Sys	5111401

<b>Sample ID: NOK0863-02 (A-EFF - Air) Sampled: 11/04/05 12:00</b>									
BTEX in Air by GC/PID									
Methyl tert-Butyl Ether	ND		mg/m3	0.500	1	11/08/05 20:00	EPA 18M	Sys	5111401
Benzene	ND		mg/m3	0.500	1	11/08/05 20:00	EPA 18M	Sys	5111401
Toluene	ND		mg/m3	0.500	1	11/08/05 20:00	EPA 18M	Sys	5111401
Ethylbenzene	ND		mg/m3	0.500	1	11/08/05 20:00	EPA 18M	Sys	5111401
Xylenes, total	ND		mg/m3	1.50	1	11/08/05 20:00	EPA 18M	Sys	5111401
C4 - C10 Hydrocarbons	ND		mg/m3	5.00	1	11/08/05 20:00	EPA 18M	Sys	5111401

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOK0863  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 11/08/05 07:45

**PROJECT QUALITY CONTROL DATA**  
**Blank**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>BTEX in Air by GC/PID</b>						
<b>5111401-BLK1</b>						
Methyl tert-Butyl Ether	<0.210		mg/m3	5111401	5111401-BLK1	11/08/05 15:38
Benzene	<0.270		mg/m3	5111401	5111401-BLK1	11/08/05 15:38
Toluene	<0.190		mg/m3	5111401	5111401-BLK1	11/08/05 15:38
Ethylbenzene	<0.190		mg/m3	5111401	5111401-BLK1	11/08/05 15:38
Xylenes, total	<0.500		mg/m3	5111401	5111401-BLK1	11/08/05 15:38
C4 - C10 Hydrocarbons	<1.85		mg/m3	5111401	5111401-BLK1	11/08/05 15:38

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOK0863  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 11/08/05 07:45

**PROJECT QUALITY CONTROL DATA**  
**LCS**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>BTEX in Air by GC/PID</b>								
<b>5111401-BS1</b>								
Methyl tert-Butyl Ether	15.2	15.0		mg/m3	99%	70 - 130	5111401	11/09/05 07:58
Benzene	16.2	15.4		mg/m3	95%	70 - 130	5111401	11/09/05 07:58
Toluene	19.0	19.1		mg/m3	101%	70 - 130	5111401	11/09/05 07:58
Ethylbenzene	22.0	23.6		mg/m3	107%	70 - 130	5111401	11/09/05 07:58
Xylenes, total	65.8	72.1		mg/m3	110%	70 - 130	5111401	11/09/05 07:58
C4 - C10 Hydrocarbons	208	221		mg/m3	106%	70 - 130	5111401	11/09/05 07:58

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOK0863  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 11/08/05 07:45

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike**

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>BTEX in Air by GC/PID</b>										
<b>5111401-MS1</b>										
Methyl tert-Butyl Ether	ND	26.8		mg/m3	30.5	88%	70 - 130	5111401	NOK0861-02	11/08/05 20:29
Benzene	ND	26.7		mg/m3	32.3	83%	70 - 130	5111401	NOK0861-02	11/08/05 20:29
Toluene	ND	29.4		mg/m3	38.1	77%	70 - 130	5111401	NOK0861-02	11/08/05 20:29
Ethylbenzene	ND	35.9		mg/m3	43.9	82%	70 - 130	5111401	NOK0861-02	11/08/05 20:29
Xylenes, total	ND	114		mg/m3	132	86%	70 - 130	5111401	NOK0861-02	11/08/05 20:29
C4 - C10 Hydrocarbons	ND	372		mg/m3	417	89%	70 - 130	5111401	NOK0861-02	11/08/05 20:29



Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOK0863  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 11/08/05 07:45

### CERTIFICATION SUMMARY

#### TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	California
EPA 18M	Air			
NA	Air			

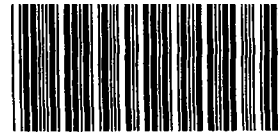
Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOK0863  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 11/08/05 07:45

## 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>	<u>Analyte</u>
EPA 18M	Air	Benzene C4 - C10 Hydrocarbons Ethylbenzene Methyl tert-Butyl Ether Toluene Xylenes, total



**COOLER RECEIPT FORM**

**BC#**

NOK0863

**Client Name : ERI**

**Cooler Received/Opened On: 11/8/05 Accessed By: James D. Jacobs**

\_\_\_\_\_  
**Log-in Personnel Signature**

1. Temperature of Cooler when triaged: N/A Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA
  - a. If yes, how many and where: \_\_\_\_\_
3. Were custody seals on containers?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used?    Bubblewrap    Peanuts    Vermiculite    Foam Insert  
    Ziplock baggies    Paper    Other    None
9. Cooling process:    Ice    Ice-pack    Ice (direct contact)    Dry ice    Other    None
10. Did all containers arrive in good condition ( unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
  - b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA

If not, record standard ID of preservative used here \_\_\_\_\_

17. Was residual chlorine present?..... NO...YES...NA

18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

0829

Fed-Ex

UPS

Velocity

DHL

Route

Off-street

Misc.

19. If a Non-Conformance exists, see attached or comments below:

**TestAmerica**  
INCORPORATED

(615) 726-0177

Nashville Division

2960 Foster Creigh...

Nashville, TN 37204

**ExxonMobil**

**NOK0863**

11/17/05 17:00

Consultant Name: Environmental Resolutions, Inc.

Address: 601 North McDowell

City/State/Zip: Petaluma, CA 94954

Project Manager: Paula Sime

Telephone Number: 707-766-2000

ERI Job Number: 2293-11X

Sampler Name: (Print) Jon Herman

Sampler Signature: Jon Herman

ExxonMobil Engineer Jennifer Sedlachek

Telephone Number 510-547-8196

Account #: 10228

PO #: 4505891267

Facility ID #: 7-0238

Global ID#

Site Address 2200 East 12th

City, State Zip Oakland, California

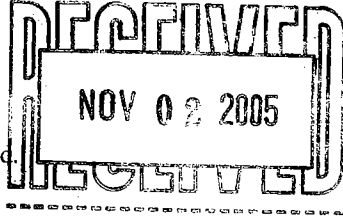
TAT	PROVIDE:	Special Instructions:						Matrix			Analyze For:															
		EDF Report	* Include MTBE	Water	Soil	Vapor	EPA 16*																			
<input type="checkbox"/> 24 hour <input type="checkbox"/> 48 hour <input checked="" type="checkbox"/> 8 day			DATE	TIME	COMP	GRAB	PRESERV	NUMBER																		
			11/9/05	12:30		X	NONE	1-1L			X	X	NOK0863-01													
				12:00		X	NONE	1-1L			X	X	I -02													

Relinquished by: J Herman Date 11/17/05 Time 2:00 Received by: \_\_\_\_\_ Time \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by TestAmerica: [Signature] Time 11/8/05 2:45

Laboratory Comments: Temperature Upon Receipt: N/A  
 Sample Containers Intact? Yes  
 VOAs Free of Headspace?

November 02, 2005



Client: ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn: Paula Sime

Work Order: NOJ2599  
Project Name: Exxon 7-0238 PO:4505891267  
Project Nbr: 2293-11X  
Date Received: 10/25/05

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
A-INF	NOJ2599-01	10/21/05 15:30
A-EFF	NOJ2599-02	10/21/05 15:00

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.

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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:

A handwritten signature in black ink that reads "Roxanne L. Connor".

Roxanne Connor  
Senior Project Manager

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOJ2599  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 10/25/05 11:15

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NOJ2599-01 (A-INF - Air) Sampled: 10/21/05 15:30</b>									
BTEX in Air by GC/PID									
Methyl tert-Butyl Ether	ND		mg/m3	0.500	1	10/25/05 17:38	EPA 18	Sys	5103858
Benzene	ND		mg/m3	0.500	1	10/25/05 17:38	EPA 18	Sys	5103858
Toluene	ND		mg/m3	0.500	1	10/25/05 17:38	EPA 18	Sys	5103858
Ethylbenzene	ND		mg/m3	0.500	1	10/25/05 17:38	EPA 18	Sys	5103858
Xylenes, total	ND		mg/m3	1.50	1	10/25/05 17:38	EPA 18	Sys	5103858
C4 - C10 Hydrocarbons	ND		mg/m3	5.00	1	10/25/05 17:38	EPA 18	Sys	5103858

**Sample ID: NOJ2599-02 (A-EFF - Air) Sampled: 10/21/05 15:00**

BTEX in Air by GC/PID									
Methyl tert-Butyl Ether	ND		mg/m3	0.500	1	10/25/05 18:07	EPA 18	Sys	5103858
Benzene	ND		mg/m3	0.500	1	10/25/05 18:07	EPA 18	Sys	5103858
Toluene	ND		mg/m3	0.500	1	10/25/05 18:07	EPA 18	Sys	5103858
Ethylbenzene	ND		mg/m3	0.500	1	10/25/05 18:07	EPA 18	Sys	5103858
Xylenes, total	ND		mg/m3	1.50	1	10/25/05 18:07	EPA 18	Sys	5103858
C4 - C10 Hydrocarbons	ND		mg/m3	5.00	1	10/25/05 18:07	EPA 18	Sys	5103858

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOJ2599  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 10/25/05 11:15

**PROJECT QUALITY CONTROL DATA**  
**Blank**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>BTEX in Air by GC/PID</b>						
<b>5103858-BLK1</b>						
Methyl tert-Butyl Ether	<0.210		mg/m3	5103858	5103858-BLK1	10/25/05 15:11
Benzene	<0.270		mg/m3	5103858	5103858-BLK1	10/25/05 15:11
Toluene	<0.190		mg/m3	5103858	5103858-BLK1	10/25/05 15:11
Ethylbenzene	<0.190		mg/m3	5103858	5103858-BLK1	10/25/05 15:11
Xylenes, total	<0.500		mg/m3	5103858	5103858-BLK1	10/25/05 15:11
C4 - C10 Hydrocarbons	<1.85		mg/m3	5103858	5103858-BLK1	10/25/05 15:11

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOJ2599  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 10/25/05 11:15

**PROJECT QUALITY CONTROL DATA**  
**Duplicate**

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>BTEX in Air by GC/PID</b>									
<b>5103858-DUP1</b>									
Methyl tert-Butyl Ether	1.84	1.88		mg/m3	2	29	5103858	NOJ2575-01	10/25/05 18:36
Benzene	9.21	10.0		mg/m3	8	16	5103858	NOJ2575-01	10/25/05 18:36
Toluene	41.5	45.3		mg/m3	9	29	5103858	NOJ2575-01	10/25/05 18:36
Ethylbenzene	17.6	19.1		mg/m3	8	29	5103858	NOJ2575-01	10/25/05 18:36
Xylenes, total	116	125		mg/m3	7	40	5103858	NOJ2575-01	10/25/05 18:36
C4 - C10 Hydrocarbons	355	381		mg/m3	7	26	5103858	NOJ2575-01	10/25/05 18:36



Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOJ2599  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 10/25/05 11:15

PROJECT QUALITY CONTROL DATA  
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>BTEX in Air by GC/PID</b>								
<b>5103858-BS1</b>								
Methyl tert-Butyl Ether	15.2	14.4		mg/m3	95%	70 - 130	5103858	10/26/05 07:17
Benzene	16.2	14.7		mg/m3	91%	70 - 130	5103858	10/26/05 07:17
Toluene	19.0	17.4		mg/m3	92%	70 - 130	5103858	10/26/05 07:17
Ethylbenzene	22.0	20.1		mg/m3	91%	70 - 130	5103858	10/26/05 07:17
Xylenes, total	65.8	59.6		mg/m3	91%	70 - 130	5103858	10/26/05 07:17
C4 - C10 Hydrocarbons	208	191		mg/m3	92%	70 - 130	5103858	10/26/05 07:17

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOJ2599  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 10/25/05 11:15

## PROJECT QUALITY CONTROL DATA

### Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>BTEX in Air by GC/PID</b>										
<b>5103858-MS1</b>										
Methyl tert-Butyl Ether	1.84	31.0		mg/m3	30.5	96%	70 - 130	5103858	NOJ2575-01	10/25/05 19:05
Benzene	9.21	35.6		mg/m3	32.3	82%	70 - 130	5103858	NOJ2575-01	10/25/05 19:05
Toluene	41.5	65.0	M2	mg/m3	38.1	62%	70 - 130	5103858	NOJ2575-01	10/25/05 19:05
Ethylbenzene	17.6	53.6		mg/m3	43.9	82%	70 - 130	5103858	NOJ2575-01	10/25/05 19:05
Xylenes, total	116	208		mg/m3	132	70%	70 - 130	5103858	NOJ2575-01	10/25/05 19:05
C4 - C10 Hydrocarbons	355	749		mg/m3	417	94%	70 - 130	5103858	NOJ2575-01	10/25/05 19:05

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOJ2599  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 10/25/05 11:15

### CERTIFICATION SUMMARY

#### TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	California
EPA 18	Air			
NA	Air			

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOJ2599  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 10/25/05 11:15

## NELAC CERTIFICATION SUMMARY

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

Method  
EPA 18

Matrix  
Air

Analyte  
Benzene  
C4 - C10 Hydrocarbons  
Ethylbenzene  
Methyl tert-Butyl Ether  
Toluene  
Xylenes, total

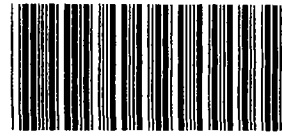
Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOJ2599  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 10/25/05 11:15

### DATA QUALIFIERS AND DEFINITIONS

**M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

### METHOD MODIFICATION NOTES



**COOLER RECEIPT FORM**

BC#

NOJ2599

Client Name : ERI

Cooler Received/Opened On: 10/25/05 Accessioned By: James D. Jacobs

Log-in Personnel Signature

1. Temperature of Cooler when triaged: N/A Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA  
 a. If yes, how many and where: \_\_\_\_\_
3. Were custody seals on containers?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO..NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert  
 Ziplock baggies Paper Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition ( unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES..NO...NA  
 b. Was there any observable head space present in any VOA vial?..... NO...YES..NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO..NA  
 If not, record standard ID of preservative used here \_\_\_\_\_
17. Was residual chlorine present?..... NO...YES..NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

0520  
Fed-Ex    UPS    Velocity    DHL    Route    Off-street    Misc.

19. If a Non-Conformance exists, see attached or comments below:



(615) 726-0177

Nashville Division

2960 Foster Creight...

Nashville, TN 37204

NOJ2599

11/03/05 17:00



Consultant Name: Environmental Resolutions, Inc.

Address: 601 North McDowell

City/State/Zip: Petaluma, CA 94954

Project Manager: Paula Sime

Telephone Number: 707-766-2000

ERI Job Number: 2293-11X

Sampler Name: (Print) Jean Herman

Sampler Signature: Jean Herman

ExxonMobil Engineer Jennifer Sedlachek

Telephone Number: 510-547-8196

Account #: 10228

PO #: 4505891267

Facility ID #: 7-0238

Global ID# \_\_\_\_\_

Site Address: 2200 East 12th

City, State Zip: Oakland, California

TAT

- 24 hour
- 48 hour
- 8 day
- 72 hour
- 96 hour

PROVIDE:

EDF Report

Special Instructions:

\* Include MTBE

Matrix

Water

Soil

Vapor

Analyze For:

EPA 18\*

Sample ID / Description

DATE

TIME

COMP

GRAB

PRESERV

NUMBER

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Water	Soil	Vapor	EPA 18*									
A-INF NOJ2599-01	10/21/05	15 <sup>30</sup>		X	NONE	1-1L			X	X									
A-EFF I-02	11	15 <sup>00</sup>		X	NONE	1-1L			X	X									

Relinquished by: J Herman Date: 10/24/05

Time: 11<sup>00</sup>

Received by: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_

Time: \_\_\_\_\_

Received by TestAmerica: \_\_\_\_\_

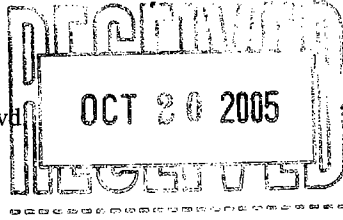
J Sedlachek 10/05/05  
Time 1115

Laboratory Comments:

Temperature Upon Receipt: N/A  
Sample Containers Intact? Yes  
VOAs Free of Headspace?

October 21, 2005

Client: ERI Petaluma (10228)  
601 North McDowell Blvd  
Petaluma, CA 94954  
Attn: Paula Sime



Work Order: NOJ0945  
Project Name: Exxon 7-0238 PO:4505891267  
Project Nbr: 2293-11X  
Date Received: 10/11/05

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
A-INF	NOJ0945-01	10/07/05 15:30

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 accreditation.

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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:

Roxanne Connor

Senior Project Manager



Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOJ0945  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 10/11/05 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NOJ0945-01 (A-INF - Air) Sampled: 10/07/05 15:30</b>									
BTEX in Air by GC/PID									
Methyl tert-Butyl Ether	ND		mg/m3	0.500	1	10/12/05 07:11	EPA 18	Sys	5101702
Benzene	ND		mg/m3	0.500	1	10/12/05 07:11	EPA 18	Sys	5101702
Toluene	ND		mg/m3	0.500	1	10/12/05 07:11	EPA 18	Sys	5101702
Ethylbenzene	ND		mg/m3	0.500	1	10/12/05 07:11	EPA 18	Sys	5101702
Xylenes, total	ND		mg/m3	1.50	1	10/12/05 07:11	EPA 18	Sys	5101702
C4 - C10 Hydrocarbons	ND		mg/m3	5.00	1	10/12/05 07:11	EPA 18	Sys	5101702

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOJ0945  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 10/11/05 08:00

**PROJECT QUALITY CONTROL DATA**  
**Blank**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>BTEX in Air by GC/PID</b>						
<b>5101702-BLK1</b>						
Methyl tert-Butyl Ether	<0.210		mg/m3	5101702	5101702-BLK1	10/11/05 17:34
Benzene	<0.270		mg/m3	5101702	5101702-BLK1	10/11/05 17:34
Toluene	<0.190		mg/m3	5101702	5101702-BLK1	10/11/05 17:34
Ethylbenzene	<0.190		mg/m3	5101702	5101702-BLK1	10/11/05 17:34
Xylenes, total	<0.500		mg/m3	5101702	5101702-BLK1	10/11/05 17:34
C4 - C10 Hydrocarbons	<1.85		mg/m3	5101702	5101702-BLK1	10/11/05 17:34

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOJ0945  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 10/11/05 08:00

**PROJECT QUALITY CONTROL DATA**  
**LCS**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>BTEX in Air by GC/PID</b>								
<b>5101702-BS1</b>								
Methyl tert-Butyl Ether	15.2	14.8		mg/m3	97%	70 - 130	5101702	10/12/05 09:41
Benzene	16.2	15.9		mg/m3	98%	70 - 130	5101702	10/12/05 09:41
Toluene	19.0	19.2		mg/m3	101%	70 - 130	5101702	10/12/05 09:41
Ethylbenzene	22.0	23.2		mg/m3	105%	70 - 130	5101702	10/12/05 09:41
Xylenes, total	65.8	70.4		mg/m3	107%	70 - 130	5101702	10/12/05 09:41
C4 - C10 Hydrocarbons	208	218		mg/m3	105%	70 - 130	5101702	10/12/05 09:41

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOJ0945  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 10/11/05 08:00

## CERTIFICATION SUMMARY

### TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	California
EPA 18	Air			
NA	Air			

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOJ0945  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 10/11/05 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>	<u>Analyte</u>
EPA 18	Air	Benzene C4 - C10 Hydrocarbons Ethylbenzene Methyl tert-Butyl Ether Toluene Xylenes, total



**COOLER RECEIPT FORM**

BC#

NOJ0945

Client Name : ERI

Cooler Received/Opened On: <sup>10/11/05</sup>~~10/7/05~~ Accessed By: James D. Jacobs

Log-in Personnel Signature

1. Temperature of Cooler when triaged: N/A Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...**NO**...NA  
a. If yes, how many and where: \_\_\_\_\_
3. Were custody seals on containers?..... **NO**...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...**NA**
5. Were custody papers inside cooler?..... **YES**...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... **YES**...NO...NA
7. Did you sign the custody papers in the appropriate place?..... **YES**...NO...NA
8. What kind of packing material used? Bubblewrap    Peanuts    Vermiculite    Foam Insert  
   Ziplock baggies    Paper    Other    **None**
9. Cooling process:    Ice    Ice-pack    Ice (direct contact)    Dry ice    Other    **None**
10. Did all containers arrive in good condition ( unbroken)?..... **YES**...**NO**...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... **YES**...NO...NA
12. Did all container labels and tags agree with custody papers?..... **YES**...NO...NA
13. Were correct containers used for the analysis requested?..... **YES**...NO...NA
14. a. Were VOA vials received?..... YES...**NO**...NA  
b. Was there any observable head space present in any VOA vial?..... NO...YES...**NA**
15. Was sufficient amount of sample sent in each container?..... **YES**...NO...NA
16. Were correct preservatives used?..... YES...NO...**NA**

If not, record standard ID of preservative used here \_\_\_\_\_

17. Was residual chlorine present?..... NO...YES...**NA**

18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

1490

- Fed-Ex**    UPS    Velocity    DHL    Route    Off-street    Misc.

19. If a Non-Conformance exists, see attached or comments below:

*A. Eff split open during shipment*

CHAIN OF CUSTODY RECORD



Consultant Name: Environmental Resolutions, Inc.  
 Address: 601 North McDowell  
 City/State/Zip: Petaluma, CA 94954  
 Project Manager: Paula Sime  
 Telephone Number: 707-766-2000  
 ERI Job Number: 2293-11X  
 Sampler Name: (Print) Jon Herman  
 Sampler Signature: Jon Herman

ExxonMobil Engineer Jennifer Sedlachek  
 Telephone Number 510-547-8196  
 Account #: 10228  
 PO #: 4505891267  
 Facility ID # 7-0238  
 Global ID# \_\_\_\_\_  
 Site Address 2200 East 12th  
 City, State Zip Oakland, California

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

NOJ0945  
 10/20/05 17:00



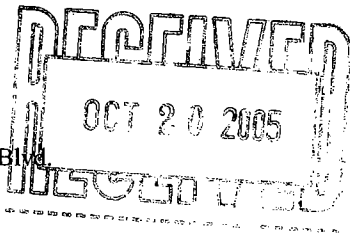
TAT	PROVIDE:	Special Instructions:	Matrix			Analyze For:																	
			Water	Soil	Vapor	EPA 18*																	
<input type="checkbox"/> 24 hour <input type="checkbox"/> 48 hour <input checked="" type="checkbox"/> 8 day	EDF Report	* Include MTBE	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Water	Soil	Vapor	EPA 18*											
			<u>10-7-05</u>	<u>1530</u>		<u>X</u>	<u>NONE</u>	<u>1-1L</u>			<u>X</u>	<u>X</u>											
			<u>10-7-05</u>	<u>1500</u>		<u>X</u>	<u>NONE</u>	<u>1-1L</u>			<u>X</u>	<u>X</u>											

Relinquished by: J Herman Date 10/10/05 Time 1100 Received by: \_\_\_\_\_ Time \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by TestAmerica: JJS Time 10/11/05 800

Laboratory Comments:  
 Temperature Upon Receipt: N/A  
 Sample Containers Intact? Yes <sup>No</sup>  
 VOAs Free of Headspace? Yes <sup>No</sup>

October 21, 2005



Client: ERI Petaluma (10228)  
601 North McDowell Blvd  
Petaluma, CA 94954  
Attn: Paula Sime

Work Order: NOJ1098  
Project Name: Exxon 7-0238 PO:4505891267  
Project Nbr: 2293-11X  
Date Received: 10/11/05

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
W-INF	NOJ1098-01	10/07/05 14:30
W-INT 1	NOJ1098-02	10/07/05 14:00
W-INT 2	NOJ1098-03	10/07/05 13:30
W-PSP-1	NOJ1098-04	10/07/05 13:00

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.

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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:

Roxanne Connor  
Senior Project Manager



Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOJ1098  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 10/11/05 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NOJ1098-01 (W-INF - Ground Water) Sampled: 10/07/05 14:30</b>									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	10/18/05 23:22	SW846 8021B	kc	5102524
Ethylbenzene	ND		ug/L	0.50	1	10/18/05 23:22	SW846 8021B	kc	5102524
Methyl tert-Butyl Ether	45.5		ug/L	0.50	1	10/18/05 23:22	SW846 8021B	kc	5102524
Toluene	ND		ug/L	0.50	1	10/18/05 23:22	SW846 8021B	kc	5102524
Xylenes, total	ND		ug/L	0.50	1	10/18/05 23:22	SW846 8021B	kc	5102524
Surrogate: a,a,a-Trifluorotoluene (63-134%)	84 %					10/18/05 23:22	SW846 8021B	kc	5102524
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	ND		ug/L	50.0	1	10/18/05 23:22	SW846 8015B	kc	5102524
Surrogate: a,a,a-Trifluorotoluene (63-134%)	84 %					10/18/05 23:22	SW846 8015B	kc	5102524
<b>Sample ID: NOJ1098-02 (W-INT 1 - Ground Water) Sampled: 10/07/05 14:00</b>									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	10/18/05 23:50	SW846 8021B	kc	5102524
Ethylbenzene	ND		ug/L	0.50	1	10/18/05 23:50	SW846 8021B	kc	5102524
Methyl tert-Butyl Ether	ND		ug/L	0.50	1	10/18/05 23:50	SW846 8021B	kc	5102524
Toluene	ND		ug/L	0.50	1	10/18/05 23:50	SW846 8021B	kc	5102524
Xylenes, total	ND		ug/L	0.50	1	10/18/05 23:50	SW846 8021B	kc	5102524
Surrogate: a,a,a-Trifluorotoluene (63-134%)	88 %					10/18/05 23:50	SW846 8021B	kc	5102524
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	ND		ug/L	50.0	1	10/18/05 23:50	SW846 8015B	kc	5102524
Surrogate: a,a,a-Trifluorotoluene (63-134%)	88 %					10/18/05 23:50	SW846 8015B	kc	5102524
<b>Sample ID: NOJ1098-03 (W-INT 2 - Ground Water) Sampled: 10/07/05 13:30</b>									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	10/19/05 00:19	SW846 8021B	kc	5102524
Ethylbenzene	ND		ug/L	0.50	1	10/19/05 00:19	SW846 8021B	kc	5102524
Methyl tert-Butyl Ether	ND		ug/L	0.50	1	10/19/05 00:19	SW846 8021B	kc	5102524
Toluene	ND		ug/L	0.50	1	10/19/05 00:19	SW846 8021B	kc	5102524
Xylenes, total	ND		ug/L	0.50	1	10/19/05 00:19	SW846 8021B	kc	5102524
Surrogate: a,a,a-Trifluorotoluene (63-134%)	85 %					10/19/05 00:19	SW846 8021B	kc	5102524
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	ND		ug/L	50.0	1	10/19/05 00:19	SW846 8015B	kc	5102524
Surrogate: a,a,a-Trifluorotoluene (63-134%)	85 %					10/19/05 00:19	SW846 8015B	kc	5102524
<b>Sample ID: NOJ1098-04 (W-PSP-1 - Ground Water) Sampled: 10/07/05 13:00</b>									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	10/19/05 00:48	SW846 8021B	kc	5102524
Ethylbenzene	ND		ug/L	0.50	1	10/19/05 00:48	SW846 8021B	kc	5102524
Methyl tert-Butyl Ether	ND		ug/L	0.50	1	10/19/05 00:48	SW846 8021B	kc	5102524
Toluene	ND		ug/L	0.50	1	10/19/05 00:48	SW846 8021B	kc	5102524
Xylenes, total	ND		ug/L	0.50	1	10/19/05 00:48	SW846 8021B	kc	5102524
Surrogate: a,a,a-Trifluorotoluene (63-134%)	84 %					10/19/05 00:48	SW846 8021B	kc	5102524

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOJ1098  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 10/11/05 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NOJ1098-04 (W-PSP-1 - Ground Water) - cont. Sampled: 10/07/05 13:00</b>									
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	ND		ug/L	50.0	1	10/19/05 00:48	SW846 8015B	kc	5102524
Surrogate: <i>a,a,a</i> -Trifluorotoluene (63-134%)	84 %					10/19/05 00:48	SW846 8015B	kc	5102524

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOJ1098  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 10/11/05 08:00

## PROJECT QUALITY CONTROL DATA

### Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8021B</b>						
<b>5102524-BLK1</b>						
Benzene	<0.19		ug/L	5102524	5102524-BLK1	10/18/05 20:30
Ethylbenzene	<0.20		ug/L	5102524	5102524-BLK1	10/18/05 20:30
Methyl tert-Butyl Ether	<0.20		ug/L	5102524	5102524-BLK1	10/18/05 20:30
Toluene	<0.20		ug/L	5102524	5102524-BLK1	10/18/05 20:30
Xylenes, total	<0.50		ug/L	5102524	5102524-BLK1	10/18/05 20:30
Surrogate: <i>a,a,a-Trifluorotoluene</i>	86%			5102524	5102524-BLK1	10/18/05 20:30
<b>Purgeable Petroleum Hydrocarbons</b>						
<b>5102524-BLK1</b>						
GRO as Gasoline	<33.0		ug/L	5102524	5102524-BLK1	10/18/05 20:30
Surrogate: <i>a,a,a-Trifluorotoluene</i>	86%			5102524	5102524-BLK1	10/18/05 20:30

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOJ1098  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 10/11/05 08:00

**PROJECT QUALITY CONTROL DATA**  
**LCS**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8021B</b>								
<b>5102524-BS1</b>								
Benzene	100	87.8		ug/L	88%	72 - 118	5102524	10/18/05 15:19
Ethylbenzene	100	88.7		ug/L	89%	71 - 119	5102524	10/18/05 15:19
Methyl tert-Butyl Ether	100	84.7		ug/L	85%	57 - 127	5102524	10/18/05 15:19
Toluene	100	83.2		ug/L	83%	72 - 119	5102524	10/18/05 15:19
Xylenes, total	200	175		ug/L	88%	70 - 117	5102524	10/18/05 15:19
Surrogate: <i>a,a,a</i> -Trifluorotoluene	30.0	29.2			97%	63 - 134	5102524	10/18/05 15:19
<b>Purgeable Petroleum Hydrocarbons</b>								
<b>5102524-BS2</b>								
GRO as Gasoline	1000	972		ug/L	97%	64 - 130	5102524	10/18/05 15:49
Surrogate: <i>a,a,a</i> -Trifluorotoluene	30.0	25.8			86%	63 - 134	5102524	10/18/05 15:49

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOJ1098  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 10/11/05 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
<b>Volatile Organic Compounds by EPA Method 8021B</b>										
<b>5102524-MS1</b>										
Benzene	ND	48.8		ug/L	50.0	98%	50 - 160	5102524	NOJ0979-03	10/19/05 04:08
Ethylbenzene	0.0220	48.0		ug/L	50.0	96%	47 - 159	5102524	NOJ0979-03	10/19/05 04:08
Methyl tert-Butyl Ether	1.79	49.9		ug/L	50.0	96%	36 - 159	5102524	NOJ0979-03	10/19/05 04:08
Toluene	0.0860	45.8		ug/L	50.0	91%	51 - 157	5102524	NOJ0979-03	10/19/05 04:08
Xylenes, total	0.0610	93.3		ug/L	100	93%	51 - 152	5102524	NOJ0979-03	10/19/05 04:08
Surrogate: <i>a,a,a-Trifluorotoluene</i>		24.3		ug/L	30.0	81%	63 - 134	5102524	NOJ0979-03	10/19/05 04:08

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOJ1098  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 10/11/05 08:00

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike Dup**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8021B</b>												
<b>5102524-MSD1</b>												
Benzene	ND	48.1		ug/L	50.0	96%	50 - 160	1	30	5102524	NOJ0979-03	10/19/05 04:37
Ethylbenzene	0.0220	46.6		ug/L	50.0	93%	47 - 159	3	38	5102524	NOJ0979-03	10/19/05 04:37
Methyl tert-Butyl Ether	1.79	49.2		ug/L	50.0	95%	36 - 159	1	34	5102524	NOJ0979-03	10/19/05 04:37
Toluene	0.0860	45.0		ug/L	50.0	90%	51 - 157	2	37	5102524	NOJ0979-03	10/19/05 04:37
Xylenes, total	0.0610	91.0		ug/L	100	91%	51 - 152	2	33	5102524	NOJ0979-03	10/19/05 04:37
Surrogate: <i>a,a,a</i> -Trifluorotoluene		25.4		ug/L	30.0	85%	63 - 134			5102524	NOJ0979-03	10/19/05 04:37

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOJ1098  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 10/11/05 08:00

### CERTIFICATION SUMMARY

**TestAmerica Analytical - Nashville**

Method	Matrix	AIHA	Nelac	California
NA	Water			
SW846 8015B	Water	N/A	X	X
SW846 8021B	Water	N/A	X	X

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOJ1098  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 10/11/05 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>	<u>Analyte</u>
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COOLER RECEIPT FORM

BC#

NOJ1098

Client Name : ERI

Cooler Received/Opened On: 10/11/05 Accessioned By: James D. Jacobs

[Signature]  
Log-in Personnel Signature

- 1. Temperature of Cooler when triaged: 9 Degrees Celsius
- 2. Were custody seals on outside of cooler?..... YES...NO...NA
  - a. If yes, how many and where: \_\_\_\_\_
- 3. Were custody seals on containers?..... NO...YES...NA
- 4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
- 5. Were custody papers inside cooler?..... YES...NO...NA
- 6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
- 7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
- 8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert  
Ziplock baggies Paper Other None
- 9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
- 10. Did all containers arrive in good condition ( unbroken)?..... YES...NO...NA
- 11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
- 12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
- 13. Were correct containers used for the analysis requested?..... YES...NO...NA
- 14. a. Were VOA vials received?..... YES...NO...NA
  - b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
- 15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
- 16. Were correct preservatives used?..... YES...NO...NA

If not, record standard ID of preservative used here \_\_\_\_\_

17. Was residual chlorine present?..... NO...YES...NA

18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

1479

Fed-Ex

UPS

Velocity

DHL

Route

Off-street

Misc.

19. If a Non-Conformance exists, see attached or comments below:

**CHAIN OF CUSTODY RECORD**



(615) 726-0177

Nashville Division

2960 Foster Creighto..

Nashville, TN 37204



**NOJ1098**

10/20/05 17:00

Consultant Name: Environmental Resolutions, Inc.  
 Address: 610 North McDowell  
 City/State/Zip: Petaluma, CA 94954  
 Project Manager: Paula Sime  
 Telephone Number: 1707-766-2000  
 ERI Job Number: 2293-11X  
 Sampler Name: (Print) Jon Herman  
 Sampler Signature: [Signature]

ExxonMobil Engineer Jennifer Sedlachek

Telephone Number 510-547-8196

Account #: 10228

PO #: 4505891267

Facility ID # 7-0238

Global ID# \_\_\_\_\_

Site Address 2200 East 12th

City, State Zip Oakland, California

TAT  
 24 hour     72 hour  
 48 hour     96 hour  
 8 day

PROVIDE:  
 EDF Report

Special Instructions:

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix			Analyze For:								
							Water	Soil	Vapor	TPHg 8015	BTEX 8021B	MTBE 8020						
W-INF <u>NOJ1098-01</u>	<u>10-7-05</u>	<u>1430</u>		X	HCl	5voa	X			X	X	X						
W-INT 1 <u>-02</u>	<u>11</u>	<u>1400</u>		X	HCl	5voa	X			X	X	X						
W-INT 2 <u>-03</u>	<u>11</u>	<u>1330</u>		X	HCl	5voa	X			X	X	X						
W-PSP-1 <u>-04</u>	<u>11</u>	<u>1300</u>		X	HCl	5voa	X			X	X	X						

Relinquished by: J Herman Date 10/10/05 Time 1100

Received by: \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Received by TestAmerica: [Signature] Date 10/11/05 Time 800

Laboratory Comments:  
 Temperature Upon Receipt: 6°C  
 Sample Containers Intact? Yes  
 VOAs Free of Headspace? Yes

CHAIN OF CUSTODY RECORD



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



Consultant Name: Environmental Resolutions, Inc.

Address: 601 North McDowell

City/State/Zip: Petaluma, CA 94954

Project Manager: Paula Sime

Telephone Number: 707-766-2000

ERI Job Number: 2293-11X

Sampler Name: (Print) *John Heerman*

Sampler Signature: *John Heerman*

ExxonMobil Engineer: Jennifer Sedlachek

Telephone Number: 510-547-8196

Account #: 10228

PO #: 4505891267

Facility ID #: 7-0238

Global ID#

Site Address: 2200 East 12th

City, State Zip: Oakland, California

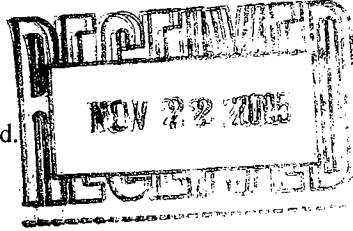
TAT <input type="checkbox"/> 24 hour <input type="checkbox"/> 48 hour <input checked="" type="checkbox"/> 8 day	PROVIDE: EDF Report	Special Instructions:					Matrix			Analyze For:															
		* Include MTBE					Water	Soil	Vapor	EPA 18*															
Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER																			
A-INF	10/21/05	1530		X	NONE	1-1L			X		X														
A-EFF	11	1500		X	NONE	1-1L			X		X														

Relinquished by: *J Heerman* Date: *10/24/05* Time: *1100* Received by: \_\_\_\_\_ Time: \_\_\_\_\_

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

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by TestAmerica: \_\_\_\_\_ Time: \_\_\_\_\_

November 22, 2005



Client: ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn: Paula Sime

Work Order: NOK0881  
Project Name: Exxon 7-0238 PO:4505891267  
Project Nbr: 2293-11X  
Date Received: 11/08/05

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
W-INF	NOK0881-01	11/04/05 14:30
W-INT1	NOK0881-02	11/04/05 14:00
W-INT2	NOK0881-03	11/04/05 13:30
W-PSP-1	NOK0881-04	11/04/05 13:00

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.

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California Certification Number: 01168CA

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:

Roxanne Connor  
Senior Project Manager

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOK0881  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 11/08/05 07:45

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NOK0881-01 (W-INF - Ground Water) Sampled: 11/04/05 14:30</b>									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	11/13/05 23:51	SW846 8021B	hw	5112261
Ethylbenzene	ND		ug/L	0.50	1	11/13/05 23:51	SW846 8021B	hw	5112261
Methyl tert-Butyl Ether	56.2		ug/L	0.50	1	11/13/05 23:51	SW846 8021B	hw	5112261
Toluene	ND		ug/L	0.50	1	11/13/05 23:51	SW846 8021B	hw	5112261
Xylenes, total	ND		ug/L	0.50	1	11/13/05 23:51	SW846 8021B	hw	5112261
Surrogate: a,a,a-Trifluorotoluene (63-134%)	91 %					11/13/05 23:51	SW846 8021B	hw	5112261
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	55.5		ug/L	50.0	1	11/13/05 23:51	SW846 8015B	hw	5112261
Surrogate: a,a,a-Trifluorotoluene (63-134%)	91 %					11/13/05 23:51	SW846 8015B	hw	5112261
<b>Sample ID: NOK0881-02 (W-INT1 - Ground Water) Sampled: 11/04/05 14:00</b>									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	11/14/05 00:24	SW846 8021B	hw	5112261
Ethylbenzene	ND		ug/L	0.50	1	11/14/05 00:24	SW846 8021B	hw	5112261
Methyl tert-Butyl Ether	ND		ug/L	0.50	1	11/14/05 00:24	SW846 8021B	hw	5112261
Toluene	ND		ug/L	0.50	1	11/14/05 00:24	SW846 8021B	hw	5112261
Xylenes, total	ND		ug/L	0.50	1	11/14/05 00:24	SW846 8021B	hw	5112261
Surrogate: a,a,a-Trifluorotoluene (63-134%)	89 %					11/14/05 00:24	SW846 8021B	hw	5112261
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	ND		ug/L	50.0	1	11/14/05 00:24	SW846 8015B	hw	5112261
Surrogate: a,a,a-Trifluorotoluene (63-134%)	89 %					11/14/05 00:24	SW846 8015B	hw	5112261
<b>Sample ID: NOK0881-03 (W-INT2 - Ground Water) Sampled: 11/04/05 13:30</b>									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	11/14/05 00:57	SW846 8021B	hw	5112261
Ethylbenzene	ND		ug/L	0.50	1	11/14/05 00:57	SW846 8021B	hw	5112261
Methyl tert-Butyl Ether	ND		ug/L	0.50	1	11/14/05 00:57	SW846 8021B	hw	5112261
Toluene	ND		ug/L	0.50	1	11/14/05 00:57	SW846 8021B	hw	5112261
Xylenes, total	ND		ug/L	0.50	1	11/14/05 00:57	SW846 8021B	hw	5112261
Surrogate: a,a,a-Trifluorotoluene (63-134%)	91 %					11/14/05 00:57	SW846 8021B	hw	5112261
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	ND		ug/L	50.0	1	11/14/05 00:57	SW846 8015B	hw	5112261
Surrogate: a,a,a-Trifluorotoluene (63-134%)	91 %					11/14/05 00:57	SW846 8015B	hw	5112261
<b>Sample ID: NOK0881-04 (W-PSP-1 - Ground Water) Sampled: 11/04/05 13:00</b>									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	11/14/05 01:31	SW846 8021B	hw	5112261
Ethylbenzene	ND		ug/L	0.50	1	11/14/05 01:31	SW846 8021B	hw	5112261
Methyl tert-Butyl Ether	ND		ug/L	0.50	1	11/14/05 01:31	SW846 8021B	hw	5112261
Toluene	ND		ug/L	0.50	1	11/14/05 01:31	SW846 8021B	hw	5112261
Xylenes, total	ND		ug/L	0.50	1	11/14/05 01:31	SW846 8021B	hw	5112261
Surrogate: a,a,a-Trifluorotoluene (63-134%)	91 %					11/14/05 01:31	SW846 8021B	hw	5112261

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOK0881  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 11/08/05 07:45

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NOK0881-04 (W-PSP-1 - Ground Water) - cont. Sampled: 11/04/05 13:00</b>									
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	ND		ug/L	50.0	1	11/14/05 01:31	SW846 8015B	hw	5112261
Surrogate: a,a,a-Trifluorotoluene (63-134%)	91 %					11/14/05 01:31	SW846 8015B	hw	5112261

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOK0881  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 11/08/05 07:45

**PROJECT QUALITY CONTROL DATA**

**Blank**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8021B</b>						
<b>5112261-BLK1</b>						
Benzene	<0.42		ug/L	5112261	5112261-BLK1	11/13/05 23:18
Ethylbenzene	<0.36		ug/L	5112261	5112261-BLK1	11/13/05 23:18
Methyl tert-Butyl Ether	<0.31		ug/L	5112261	5112261-BLK1	11/13/05 23:18
Toluene	<0.36		ug/L	5112261	5112261-BLK1	11/13/05 23:18
Xylenes, total	<0.36		ug/L	5112261	5112261-BLK1	11/13/05 23:18
Surrogate: <i>a,a,a-Trifluorotoluene</i>	91%			5112261	5112261-BLK1	11/13/05 23:18
<b>Purgeable Petroleum Hydrocarbons</b>						
<b>5112261-BLK1</b>						
GRO as Gasoline	<33.0		ug/L	5112261	5112261-BLK1	11/13/05 23:18
Surrogate: <i>a,a,a-Trifluorotoluene</i>	91%			5112261	5112261-BLK1	11/13/05 23:18

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOK0881  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 11/08/05 07:45

**PROJECT QUALITY CONTROL DATA**  
**LCS**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8021B</b>								
<b>5112261-BS1</b>								
Benzene	100	97.9		ug/L	98%	77 - 122	5112261	11/14/05 08:43
Ethylbenzene	100	95.5		ug/L	96%	77 - 121	5112261	11/14/05 08:43
Methyl tert-Butyl Ether	100	79.1		ug/L	79%	65 - 125	5112261	11/14/05 08:43
Toluene	100	94.7		ug/L	95%	74 - 121	5112261	11/14/05 08:43
Xylenes, total	200	184		ug/L	92%	72 - 121	5112261	11/14/05 08:43
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	29.4			98%	63 - 134	5112261	11/14/05 08:43
<b>Purgeable Petroleum Hydrocarbons</b>								
<b>5112261-BS2</b>								
GRO as Gasoline	1000	988		ug/L	99%	68 - 128	5112261	11/14/05 09:17
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	29.3			98%	63 - 134	5112261	11/14/05 09:17



Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOK0881  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 11/08/05 07:45

### CERTIFICATION SUMMARY

#### TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	California
NA	Water			
SW846 8015B	Water	N/A	X	X
SW846 8021B	Water	N/A	X	X

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954

Attn Paula Sime

Work Order: NOK0881  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 11/08/05 07:45

---

## NELAC CERTIFICATION SUMMARY

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

Method

Matrix

Analyte





(615) 726-0177

Nashville Division

2960 Foster Creighton

Nashville, TN 37204



Consultant Name: Environmental Resolutions, Inc.

Address: 610 North McDowell

City/State/Zip: Petaluma, CA 94954

Project Manager Paula Sime

Telephone Number: 1707-766-2000

ERI Job Number: 2293-11X

Sampler Name: (Print) Jon Herman

Sampler Signature: Jon Herman

ExxonMobil Engineer Jennifer Sedlachek

Telephone Number 510-547-8196

Account #: 10228

PO #: 4505891267

Facility ID # 7-0238

Global ID#           

Site Address 2200 East 12th

City, State Zip Oakland, California

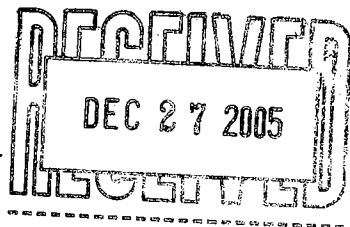
TAT <input type="checkbox"/> 24 hour <input type="checkbox"/> 48 hour <input checked="" type="checkbox"/> 8 day	PROVIDE: EDF Report	Special Instructions: <b>NOK0881</b> 11/17/05 17:00						Matrix			Analyze For:									
		DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Water	Soil	Vapor	TPHg 8015	BTEX 8021B	MTBE 8020							
		11/14/05	14:30		X	HCl	5voa	X			X	X	X							
		11	14:00		X	HCl	5voa	X			X	X	X							
		11	13:30		X	HCl	5voa	X			X	X	X							
		11	13:00		X	HCl	5voa	X			X	X	X							

Relinquished by: Jon Herman Date 11/17/05 Time 9:00 Received by: \_\_\_\_\_ Time \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by TestAmerica: Low Time 11:45

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

December 22, 2005



Client: ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn: Paula Sime

Work Order: NOL1492  
Project Name: Exxon 7-0238 PO:4505891267  
Project Nbr: 2293-11X  
Date Received: 12/13/05

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
W-INF	NOL1492-01	12/09/05 11:30
W-INT1	NOL1492-02	12/09/05 11:00
W-INT2	NOL1492-03	12/09/05 10:30
W-PSP-1	NOL1492-04	12/09/05 10:00

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.

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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:

Roxanne Connor

Senior Project Manager

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOL1492  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 12/13/05 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NOL1492-01 (W-INF - Ground Water) Sampled: 12/09/05 11:30</b>									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	12/22/05 01:28	SW846 8021B	hw	5123854
Ethylbenzene	ND		ug/L	0.50	1	12/22/05 01:28	SW846 8021B	hw	5123854
Methyl tert-Butyl Ether	108		ug/L	0.50	1	12/22/05 01:28	SW846 8021B	hw	5123854
Toluene	ND		ug/L	0.50	1	12/22/05 01:28	SW846 8021B	hw	5123854
Xylenes, total	ND		ug/L	0.50	1	12/22/05 01:28	SW846 8021B	hw	5123854
Surrogate: a,a,a-Trifluorotoluene (63-134%)	95 %					12/22/05 01:28	SW846 8021B	hw	5123854
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	100		ug/L	50.0	1	12/22/05 01:28	SW846 8015B	hw	5123854
Surrogate: a,a,a-Trifluorotoluene (63-134%)	95 %					12/22/05 01:28	SW846 8015B	hw	5123854
<b>Sample ID: NOL1492-02 (W-INT1 - Ground Water) Sampled: 12/09/05 11:00</b>									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	12/22/05 02:00	SW846 8021B	hw	5123854
Ethylbenzene	ND		ug/L	0.50	1	12/22/05 02:00	SW846 8021B	hw	5123854
Methyl tert-Butyl Ether	ND		ug/L	0.50	1	12/22/05 02:00	SW846 8021B	hw	5123854
Toluene	ND		ug/L	0.50	1	12/22/05 02:00	SW846 8021B	hw	5123854
Xylenes, total	ND		ug/L	0.50	1	12/22/05 02:00	SW846 8021B	hw	5123854
Surrogate: a,a,a-Trifluorotoluene (63-134%)	94 %					12/22/05 02:00	SW846 8021B	hw	5123854
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	ND		ug/L	50.0	1	12/22/05 02:00	SW846 8015B	hw	5123854
Surrogate: a,a,a-Trifluorotoluene (63-134%)	94 %					12/22/05 02:00	SW846 8015B	hw	5123854
<b>Sample ID: NOL1492-03 (W-INT2 - Ground Water) Sampled: 12/09/05 10:30</b>									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	12/22/05 02:32	SW846 8021B	hw	5123854
Ethylbenzene	ND		ug/L	0.50	1	12/22/05 02:32	SW846 8021B	hw	5123854
Methyl tert-Butyl Ether	ND		ug/L	0.50	1	12/22/05 02:32	SW846 8021B	hw	5123854
Toluene	ND		ug/L	0.50	1	12/22/05 02:32	SW846 8021B	hw	5123854
Xylenes, total	ND		ug/L	0.50	1	12/22/05 02:32	SW846 8021B	hw	5123854
Surrogate: a,a,a-Trifluorotoluene (63-134%)	93 %					12/22/05 02:32	SW846 8021B	hw	5123854
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	ND		ug/L	50.0	1	12/22/05 02:32	SW846 8015B	hw	5123854
Surrogate: a,a,a-Trifluorotoluene (63-134%)	93 %					12/22/05 02:32	SW846 8015B	hw	5123854
<b>Sample ID: NOL1492-04 (W-PSP-1 - Ground Water) Sampled: 12/09/05 10:00</b>									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	12/22/05 03:04	SW846 8021B	hw	5123854
Ethylbenzene	ND		ug/L	0.50	1	12/22/05 03:04	SW846 8021B	hw	5123854
Methyl tert-Butyl Ether	ND		ug/L	0.50	1	12/22/05 03:04	SW846 8021B	hw	5123854
Toluene	ND		ug/L	0.50	1	12/22/05 03:04	SW846 8021B	hw	5123854
Xylenes, total	ND		ug/L	0.50	1	12/22/05 03:04	SW846 8021B	hw	5123854
Surrogate: a,a,a-Trifluorotoluene (63-134%)	94 %					12/22/05 03:04	SW846 8021B	hw	5123854

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOL1492  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 12/13/05 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NOL1492-04 (W-PSP-1 - Ground Water) - cont. Sampled: 12/09/05 10:00</b>									
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	ND		ug/L	50.0	1	12/22/05 03:04	SW846 8015B	hw	5123854
Surrogate: a,a,a-Trifluorotoluene (63-134%)	94 %					12/22/05 03:04	SW846 8015B	hw	5123854

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOL1492  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 12/13/05 08:00

**PROJECT QUALITY CONTROL DATA**  
**Blank**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8021B</b>						
<b>5123854-BLK1</b>						
Benzene	<0.42		ug/L	5123854	5123854-BLK1	12/21/05 16:25
Ethylbenzene	<0.36		ug/L	5123854	5123854-BLK1	12/21/05 16:25
Methyl tert-Butyl Ether	<0.31		ug/L	5123854	5123854-BLK1	12/21/05 16:25
Toluene	<0.36		ug/L	5123854	5123854-BLK1	12/21/05 16:25
Xylenes, total	<0.36		ug/L	5123854	5123854-BLK1	12/21/05 16:25
Surrogate: <i>a,a,a</i> -Trifluorotoluene	96%			5123854	5123854-BLK1	12/21/05 16:25
<b>Purgeable Petroleum Hydrocarbons</b>						
<b>5123854-BLK1</b>						
GRO as Gasoline	<33.0		ug/L	5123854	5123854-BLK1	12/21/05 16:25
Surrogate: <i>a,a,a</i> -Trifluorotoluene	96%			5123854	5123854-BLK1	12/21/05 16:25



Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOL1492  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 12/13/05 08:00

**PROJECT QUALITY CONTROL DATA**  
**LCS**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8021B</b>								
<b>5123854-BS1</b>								
Benzene	100	91.0		ug/L	91%	77 - 122	5123854	12/22/05 04:40
Ethylbenzene	100	89.5		ug/L	90%	77 - 121	5123854	12/22/05 04:40
Methyl tert-Butyl Ether	100	95.7		ug/L	96%	65 - 125	5123854	12/22/05 04:40
Toluene	100	87.0		ug/L	87%	74 - 121	5123854	12/22/05 04:40
Xylenes, total	200	171		ug/L	86%	72 - 121	5123854	12/22/05 04:40
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	30.0			100%	63 - 134	5123854	12/22/05 04:40
<b>Purgeable Petroleum Hydrocarbons</b>								
<b>5123854-BS2</b>								
GRO as Gasoline	1000	1230		ug/L	123%	68 - 128	5123854	12/22/05 05:11
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	35.6			119%	63 - 134	5123854	12/22/05 05:11

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOL1492  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 12/13/05 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
<b>Volatile Organic Compounds by EPA Method 8021B</b>										
<b>5123854-MS1</b>										
Benzene	0.316	49.3		ug/L	50.0	98%	50 - 159	5123854	NOL1338-02	12/22/05 03:36
Ethylbenzene	0.160	49.4		ug/L	50.0	98%	50 - 155	5123854	NOL1338-02	12/22/05 03:36
Methyl tert-Butyl Ether	ND	55.6		ug/L	50.0	111%	41 - 153	5123854	NOL1338-02	12/22/05 03:36
Toluene	0.522	47.6		ug/L	50.0	94%	57 - 150	5123854	NOL1338-02	12/22/05 03:36
Xylenes, total	0.657	94.0		ug/L	100	93%	48 - 151	5123854	NOL1338-02	12/22/05 03:36
<i>Surrogate: a,a,a-Trifluorotoluene</i>		29.8		ug/L	30.0	99%	63 - 134	5123854	NOL1338-02	12/22/05 03:36

Client ERI Petaluma (10228)  
 601 North McDowell Blvd.  
 Petaluma, CA 94954  
 Attn Paula Sime

Work Order: NOL1492  
 Project Name: Exxon 7-0238 PO:4505891267  
 Project Number: 2293-11X  
 Received: 12/13/05 08:00

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike Dup**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8021B</b>												
<b>5123854-MSD1</b>												
Benzene	0.316	52.3		ug/L	50.0	104%	50 - 159	6	33	5123854	NOL1338-02	12/22/05 04:08
Ethylbenzene	0.160	52.2		ug/L	50.0	104%	50 - 155	6	35	5123854	NOL1338-02	12/22/05 04:08
Methyl tert-Butyl Ether	ND	58.7		ug/L	50.0	117%	41 - 153	5	37	5123854	NOL1338-02	12/22/05 04:08
Toluene	0.522	50.7		ug/L	50.0	100%	57 - 150	6	33	5123854	NOL1338-02	12/22/05 04:08
Xylenes, total	0.657	100		ug/L	100	99%	48 - 151	6	35	5123854	NOL1338-02	12/22/05 04:08
Surrogate: <i>a,a,a-Trifluorotoluene</i>		29.8		ug/L	30.0	99%	63 - 134			5123854	NOL1338-02	12/22/05 04:08

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOL1492  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 12/13/05 08:00

### CERTIFICATION SUMMARY

#### TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	California
NA	Water			
SW846 8015B	Water	N/A	X	X
SW846 8021B	Water	N/A	X	X

Client ERI Petaluma (10228)  
601 North McDowell Blvd.  
Petaluma, CA 94954  
Attn Paula Sime

Work Order: NOL1492  
Project Name: Exxon 7-0238 PO:4505891267  
Project Number: 2293-11X  
Received: 12/13/05 08:00

## NELAC CERTIFICATION SUMMARY

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

Method

Matrix

Analyte

Nashville Division

**COOLER RECEIPT FORM**

BC#



NOL1492

Client Name :

Cooler Received/Opened On: 12-13-05

Accessioned By: Lori Farthing

Lori Farthing  
Log-In Personnel Signature

1. Temperature of Cooler when triaged: 0.0 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES  NO  NA 
  - a. If yes, how many and where: \_\_\_\_\_
3. Were custody seals on containers?.....  NO  YES  NA
4. Were the seals intact, signed, and dated correctly?..... YES  NO  NA
5. Were custody papers inside cooler?..... YES  NO  NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES  NO  NA
7. Did you sign the custody papers in the appropriate place?..... YES  NO  NA
8. What kind of packing material used?  Bubblewrap  Peanuts  Vermiculite  Foam Insert  
 Ziplock baggies  Paper  Other
9. Cooling process:  Ice  Ice-pack  Ice (direct contact)  Dry Ice  Other  None
10. Did all containers arrive in good condition (unbroken)?..... YES  NO  NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES  NO  NA
12. Did all container labels and tags agree with custody papers?..... YES  NO  NA
13. Were correct containers used for the analysis requested?..... YES  NO  NA
14. a. Were VOA vials received?..... YES  NO  NA
- b. Was there any observable head space present in any VOA vial?..... NO  YES  NA
15. Was sufficient amount of sample sent in each container?..... YES  NO  NA
16. Were correct preservatives used?..... YES  NO  NA
- If not, record standard ID of preservative used here \_\_\_\_\_
17. Was residual chlorine present?..... NO  YES  NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

Fed-Ex

UPS

Velocity

DHL

Route

Off-street

Misc.

5794

19. If a Non-Conformance exists, see attached or comments below:

BIS = Broken in shipment  
Cooler Receipt Form

CHAIN OF CUSTODY RECORD



(615) 726-0177

Nashville Division

2960 Foster Creighton

Nashville, TN 37204



Consultant Name: Environmental Resolutions, Inc.

Address: 610 North McDowell

City/State/Zip: Petaluma, CA 94954

Project Manager: Paula Sime

Telephone Number: 1707-766-2000

ERI Job Number: 2293-11X

Sampler Name: (Print) J Herman

Sampler Signature: J Herman

ExxonMobil Engineer Jennifer Sedlachek

Telephone Number 510-547-8196

Account #: 10228

PO #: 4505891267

Facility ID #: 7-0238

Global ID#

Site Address 2200 East 12th

City, State Zip Oakland, California

TAT  
 24 hour  
 48 hour  
 8 day  
 72 hour  
 96 hour

**NOL1492**

PROVIDE:  
EDF Report

Special Instructions:

Matrix Analyze For:

	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix			Analyze For:			
							Water	Soil	Vapor	TPHg 8015	BTEX 8021B	MTBE 8020	
W-INF	12/9	11:36		X	HCl	5voa	X			X	X	X	NOL1492-01
W-INT 1		11:00		X	HCl	5voa	X			X	X	X	02
W-INT 2		10:30		X	HCl	5voa	X			X	X	X	03
W-PSP-1		10:00		X	HCl	5voa	X			X	X	X	04

Relinquished by: J Herman Date 12/12/05 Time 9:00

Received by: \_\_\_\_\_ Time \_\_\_\_\_

Laboratory Comments:  
 Temperature Upon Receipt: 0.0°  
 Sample Containers Intact? yes  
 VOAs Free of Headspace? yes

Relinquished by: \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Received by TestAmerica: Low Ferry Time 8:00

**ATTACHMENT C**

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



**HYDROCARBONS REMOVED  
FROM A VADOSE WELL  
SOP-25**

Rev. JOC

Rev. 4/29/97

**POUNDS OF HYDROCARBON IN A VAPOR  
STREAM**

**INPUT DATA:**

- 1) Vapor flow rate acfm (usually by Pitot tube)
- 2) Vapor pressure at the flow measuring device (in inches of H<sub>2</sub>O) (use {-} for vacuum)
- 3) Vapor temperature at the flow measuring device.
- 4) Hydrocarbon content of vapor (usually in mg/M<sup>3</sup>) for ppmv you need molecular weight.
- 5) Length of time (usually hours) over which flow rate occurred)

From periodic measurements, a calculation of total pounds of hydrocarbons removed from a well or from a system is calculated. The input data listed above are measured at a point in time. To calculate quantities removed, some assumptions must be made about what was happening between measurements. The following assumptions will be used for the sake of consistency:

**ASSUMPTIONS:**

- 1) Vapor flow for the period equals the average of the initial and final reading for the period.
- 2) Pressure and temperature for the entire period will be the final reading.
- 3) Hydrocarbon concentration for the period equals the average of the initial and final reading.
- 4) The hours of operation can be taken from an hour meter, an electric meter or will be assumed to be equal to the time between measurements.
- 5) If the unit is found down - try to determine how many hours it did operate and use the data taken for the previous period to make the calculations. Restart the unit and then take data to start the next period.

**SAMPLE DATA AND CALCULATIONS**

Date	Time	Pressure (inches H <sub>2</sub> O)	Temperature (deg F)	HC Concentration (mg/M <sup>3</sup> )	Flow (acfm)	Duration (hr)	Result (lb)
1/6/95	11:00	70	-46	2000	120		
1/7/95	13:00	55	-50	1350	90		
1/8/95	10:00	80	-13	750	100	7.4	

Calculate the pounds of hydrocarbon removed from the system during the basis period from 13:00 (1:00 pm) on the 7th to 10 am on the 8th. Pressure and temperature of the measurements (at the flow meter) must be corrected to the P and T used to report the HC concentration (which are P = 1 atm and T = 70 deg F). 1 atm = 14.7psia, 760 mm Hg, or 407 in H<sub>2</sub>O. T<sub>abs</sub> = 460 + T deg F

Hours of operation = 21, T = 80, P = -13, HC = (1350+750)/2 = 1050 mg/M<sup>3</sup>, Flow = 95

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

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

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

cumulative lbs. (the running total) = the sum of all the previous periods.

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