

ExxonMobil
Refining & Supply Company
Global Remediation

4096 Piedmont Avenue #194
Oakland, California 94611
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RECEIVED

JAN 30 2006

Jennifer C. Sedlachek
Project Manager

✓ RO 390

ENVIRONMENTAL HEALTH SERVICES

ExxonMobil
Refining & Supply

Alameda County
JAN 31 2006
Environmental Health

January 19, 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 12th Street, Oakland California.

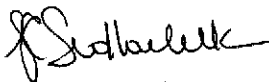
Dear Mr. Gholami:

Attached for your review and comment is a copy of the letter report entitled *Groundwater Monitoring Report, Third Quarter 2005*, dated January 19, 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.

Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached report is true and correct.

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

Sincerely,

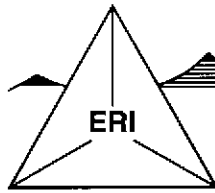


Jennifer C. Sedlachek
Project Manager

Attachment: ERI's Groundwater Monitoring Report, Third Quarter 2005, dated January 19, 2006.

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

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



ENVIRONMENTAL RESOLUTIONS, INC.

January 19, 2006
ERI 229313.Q053

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

SUBJECT Groundwater Monitoring and Remediation Status Report Third Quarter 2005
Former Exxon Service Station 7-0238
2200 East 12th Street, Oakland, California

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

INTRODUCTION

At the request of Exxon Mobil Corporation (Exxon Mobil), Environmental Resolutions, Inc. (ERI) performed third quarter 2005 groundwater monitoring, sampling, and remedial activities at the subject site. This report covers activities from June 3, 2005, through September 23, 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

Gauging and sampling date: 09/01/05

Wells gauged and sampled: MW9A through MW9D, MW9F through MW9I

Presence of NAPL: Not observed

Remediation system status on sampling date: DPE System, Vapor Phase Inactive
DPE System, Liquid Phase Inactive

Laboratory: TestAmerica Incorporated, Nashville, Tennessee

Analyses performed: EPA Method 8015B TPHg
EPA Method 8021B BTEX
EPA Method 8260B MTBE

Waste disposal: 118 gallons of purge and decon water transferred to the remediation system holding tank on 09/01/05

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. The liquid-phase portion of the DPE system was not sampled during September due to repairs of the moisture separator pump.

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

System reporting period: 06/03/05 to 09/23/05

System modifications during reporting period: None

System status during reporting period Vapor Phase Inactive
 Liquid Phase 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)
06/03/05 – 09/23/05	8.94	0.63	0.65
To Date:	1,161.81	9.79	<46.69

DPE System, Liquid Phase

Period	Volume of Groundwater Treated (gal)	Mass of TPHg Removed (pounds)	Mass of Benzene Removed (pounds)	Mass of MTBE Removed (pounds)
06/08/05 – 09/23/05	64,270	<0.069	<0.0003	0.065
To Date:	300,370	<1.628	<0.0130	0.997

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 Navarro

Karen L. Navarro
 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
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
MW9B	03/16/98	12.83	5.32	7.51	NLPH	860	1,500	---	140	2.0	11	<2.0

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	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
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
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

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 (ftgs)	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	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
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
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

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	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
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
MW9F	01/10/01	11.38	4.30	7.08	NLPH	<50	140	---	<0.5	<0.5	<0.5	<0.5
MW9F	04/10/01	11.38	5.20	6.18	NLPH	<50	50	---	<0.5	<0.5	<0.5	<0.5
MW9F	07/12/01	11.38	--	--	NLPH	<50	190	---	<0.5	<0.5	<0.5	<0.5
MW9F	08/17/01 d	11.38	--	--	--	--	--	---	--	--	--	--

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0238
2200 East 12th Street
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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)
MW9F	10/11/01	11.38	5.82	5.56	NLPH	<50	260	---	<0.5	<0.5	<0.5	<0.5
MW9F	Nov-01	11.38	Well surveyed in compliance with AB2886 requirements.									
MW9F	01/11/02	11.38	5.12	6.26	NLPH	<100	67.0 e	---	<1.00	<1.00	<1.00	<1.00
MW9F	04/12/02	11.38	5.50	5.88	NLPH	55.9	58.6	---	<0.50	<0.50	<0.50	<0.50
MW9F	07/12/02	11.38	5.65	5.73	NLPH	102	121	---	<0.5	<0.5	<0.5	<0.5
MW9F	10/11/02	11.38	5.67	5.71	NLPH	99.9	128	138	<0.5	<0.5	<0.5	<0.5
MW9F	01/10/03	11.38	5.09	6.29	NLPH	<50.0	45.5	---	<0.5	<0.5	<0.5	<0.5
MW9F	04/09/03	11.38	5.39	5.99	NLPH	<50.0	50.8	---	<0.50	<0.5	<0.5	<0.5
MW9F	07/22/03	11.38	5.52	5.86	NLPH	82.3	64.0	---	<0.50	<0.5	<0.5	<0.5
MW9F	10/01/03	11.38	5.59	5.79	NLPH	67.0	--	56.4	<0.50	<0.5	<0.5	<0.5
MW9F	01/06/04	11.38	5.21	6.17	NLPH	<50.0	--	36.7	<0.50	<0.5	<0.5	<0.5
MW9F	06/07/04	11.38	6.03	5.35	NLPH	<50.0	--	20.5	<0.50	<0.5	<0.5	<0.5
MW9F	08/30/04	11.38	h	h	h	<50.0h	--	14.0h	<0.50h	<0.5h	<0.5h	<0.5h
MW9F	12/13/04	11.38	4.80	6.58	NLPH	<50.0	--	13.4	<0.50	<0.5	<0.5	<0.5
MW9F	03/14/05	11.38	5.10	6.28	NLPH	<50.0	--	4.20	<0.50	<0.5	<0.5	<0.5
MW9F	06/08/05	11.38	5.38	6.00	NLPH	<50.0	--	8.70	<0.50	<0.5	<0.5	<0.5
MW9F	09/01/05	11.38	5.53	5.85	NLPH	<50.0	---	19.6	<0.50	<0.50	<0.50	<0.50
MW9G	11/02/95	9.95	5.92	4.03	NLPH	<50	<10	---	<0.5	<0.5	<0.5	<0.5
MW9G	04/26/96	9.95	5.28	4.67	NLPH	<50	18	---	<0.5	<0.5	<0.5	<0.5
MW9G	08/22/96	9.95	5.57	4.38	NLPH	<50	18	---	<0.5	<0.5	<0.5	<0.5
MW9G	02/24/97	9.95	5.30	4.65	NLPH	<50	240	---	<0.5	0.57	<0.5	0.62
MW9G	03/16/98	9.95	---	---	---	---	---	---	---	---	---	---
MW9G	04/21/98	9.95	---	---	---	---	---	---	---	---	---	---
MW9G	07/22/98	12.99	---	---	---	---	---	---	---	---	---	---
MW9G	12/22/98	12.99	5.28	7.71	NLPH	<50	1,100	---	<0.5	<0.5	<0.5	<0.5
MW9G	02/26/99	12.99	5.31	7.68	NLPH	<50	50	---	<0.5	<0.5	<0.5	<0.5
MW9G	05/18/99	12.99	5.18	7.81	NLPH	<1,000	3,990	---	<10	<10	<10	<10
MW9G	08/03/99	12.99	6.00	6.99	NLPH	<50	1,340	---	<0.5	<0.5	<0.5	<0.5
MW9G	12/03/99	12.99	5.27	7.72	NLPH	<50	<2	---	<0.5	<0.5	<0.5	0.55 b
MW9G	02/29/00	12.99	4.60	8.39	NLPH	<50	7,900	---	<0.5	<0.5	<0.5	<0.5
MW9G	05/18/00	12.99	5.16	7.83	NLPH	<50	2,400	---	<0.5	<0.5	<0.5	<0.5
MW9G	07/24/00	12.99	5.20	7.79	NLPH	<50	1,000	---	<0.5	<0.5	<0.5	<0.5
MW9G	10/09/00	12.99	5.26	7.73	NLPH	<50	180	---	<0.5	<0.5	<0.5	<0.5
MW9G	01/10/01	12.99	5.18	7.81	NLPH	<50	1,200	---	<0.5	<0.5	<0.5	<0.5
MW9G	04/10/01	12.99	5.08	7.91	NLPH	<50	9,100	---	<0.5	<0.5	<0.5	<0.5
MW9G	07/12/01	12.99	--	--	NLPH	<50	3,000	---	<0.5	<0.5	<0.5	<0.5
MW9G	8/17/01 d	12.99	---	---	---	---	---	---	---	---	---	---
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

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	10/11/02	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
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
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

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

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	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

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.
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 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 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.
fbs	=	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.
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 due to uncontrollable traffic conditions.
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 oxygenate analyses.
h	=	Well inaccessible.
i	=	Groundwater elevation data invalidated; analytical results suspect.

TABLE 2
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 7-0236
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 3)

DATE	FIELD MEASUREMENTS							LABORATORY ANALYTICAL RESULTS			TPHg Removal Period	Cumulative	MTBE Removal Period	Cumulative	Benzene Removal Period	Cumulative	Destruction Efficiency %	Benzene Emission lb/day		
	System Hours	Total Hours	Temp deg F	Vacuum "Hg	Pressure "H ₂ O	Flow (acfm)	Flow scfm	Sample I.D.	PID ppmv	TPHg									Benzene mg/cu M	MTBE
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	25.1											
03/05/04	100		70	28.0	1.0	700	46	A-INF	589											
								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	65	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											
04/16/04	1,084		70	20.0	1.0	1,500	99	A-INF	9,800											
								A-EFF	17.0											
04/22/04	1,252		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	6,600											
								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	1,150											
								A-EFF	16.0											
06/24/04	2,764		70	27	1.0	500	33	A-INF	1,000											
								A-EFF	10.0											
07/14/04	2,774		70	26	1.0	800	53	A-INF	1,500											
								A-EFF	28.0											
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	91.57	0.0021
								A-EFF	10.0	37	0.35	0.55								
08/05/04	409	3,375	nm	nm	nm	nm	nm	A-INF	nm											
								A-EFF	nm											
08/20/04	577	3,543	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 3)

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 "H2O	Flow (acfm)	Flow scfm	Sample I.D.	PID ppmv	TPHg	Benzene mg/cu M	MTBE	Period	Cumulative	Period	Cumulative	Period	Cumulative		
07/15/05	3,510	6,476	74	18	0.0	1,400	94	A-INF	67.2											
								A-EFF	0.1											
07/22/05	3,675	6,641	74	15	0.0	1,400	94	A-INF	12.0											
								A-EFF	0.0											
07/29/05	3,844	6,810	72	16	0.0	1,000	67	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	< 6.00	< 0.500	< 0.500								

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.

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

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	TPHd	B	T	E	X	MTBE	Per Period	Cumulative	Per Period	Cumulative	Per Period	Cumulative
						ug/L						Pounds						
09/09/04	3456	135,110	0.33	7,130	W-INF	600	130a	< 5.0	< 5.0	< 5.0	< 5.0	210	< 0.027	< 1.297	< 0.00022	< 0.0116	0.0102	0.837
					W-INT1	< 50	< 48	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					PSP-1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
09/16/04		145,830	1.06	10,720														
09/23/04		154,757	0.89	8,927														
09/30/04		162,020	0.72	7,263														
10/07/04		165,420	0.34	3,400	W-INF	< 100	270a	< 1.0	< 1.0	< 1.0	< 1.0	68	< 0.089	< 1.385	< 0.00076	< 0.0124	0.0352	0.872
					W-INT1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					W-INT2	< 50	60a	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
					PSP-1	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
10/14/04		165,440	0.00	20														
10/14/04	System shutdown for catox evaluation.																	
01/27/05	System restarted and sampled, stored in tank no discharge. Awaiting sample results before commencing discharge.																	
		166,130	0.00	690														
01/27/05					W-INF	431	285a	5.10	36.5	6.0	45.2	145	< 0.002	< 1.387	< 0.00002	< 0.0124	0.0006	0.872
					W-INT1	< 50.0	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-INT2	< 50.0	147a	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					PSP-1	< 50.0	< 50	< 0.50	< 0.5	< 0.5	< 0.6	< 0.5						
02/03/05	Discharge storage tank.																	
		166,730	0.06	600														
02/04/05	1593	166,760	0.02	30														
02/10/05	1737	169,610	0.33	2,850	W-INF	96.8	164b	< 0.50	< 0.5	< 0.5	< 0.5	98.7	< 0.008	< 1.394	< 0.00008	< 0.0125	0.0035	0.876
					W-INT1	< 50.0	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-INT2	< 50.0	63b	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					PSP-1	< 50.0	91b	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
02/17/05	Shut down system for catox adjustments.																	
02/17/05	1905	172,890	0.33	3,280														
03/17/05	System restarted and sampled.																	
	1920	174,000	0.03	1,110	W-INF	725	517a	< 0.50	< 0.5	< 0.5	< 0.5	22.7	< 0.015	< 1.409	< 0.00002	< 0.0125	0.0022	0.878
					W-INT1	607	< 50	0.60	< 0.5	0.7	< 0.5	< 0.5						
					W-INT2	< 50	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					PSP-1	61.2	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5						
03/24/05	2088	190,570	0.00	16,570														
03/31/05	2256	199,470	0.88	8,900														
04/08/05	2266	199,470	0.00	0	W-INF	116	163	< 0.50	< 0.5	< 0.5	< 0.5	120	< 0.089	< 1.499	< 0.00011	< 0.0126	0.0152	0.893
					W-INT1	142	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-INT2	< 50.0	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-EFF	< 50.0	< 50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
05/05/05	System down.																	
05/13/05	2269	199,470	0.00	0	W-INF	214	---	< 0.50	< 0.5	< 0.5	< 0.5	85.8	0.0000	< 1.499	0.0000	< 0.0126	0.0000	0.893
					W-INT1	187	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-INT2	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-PSP-1	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
05/20/05	System down on arrival. Restarted. Running on departure.																	
05/20/05	NM	200,480	0.10	1,010														
05/27/05	2456	217,480	1.69	17,000														
06/08/05	2804	236,100	1.08	18,620	W-INF	182	---	< 0.50	< 0.5	< 0.5	< 0.5	170	< 0.061	< 1.559	< 0.00015	< 0.0127	0.0391	0.932
					W-INT1	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-INT2	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-EFF	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						

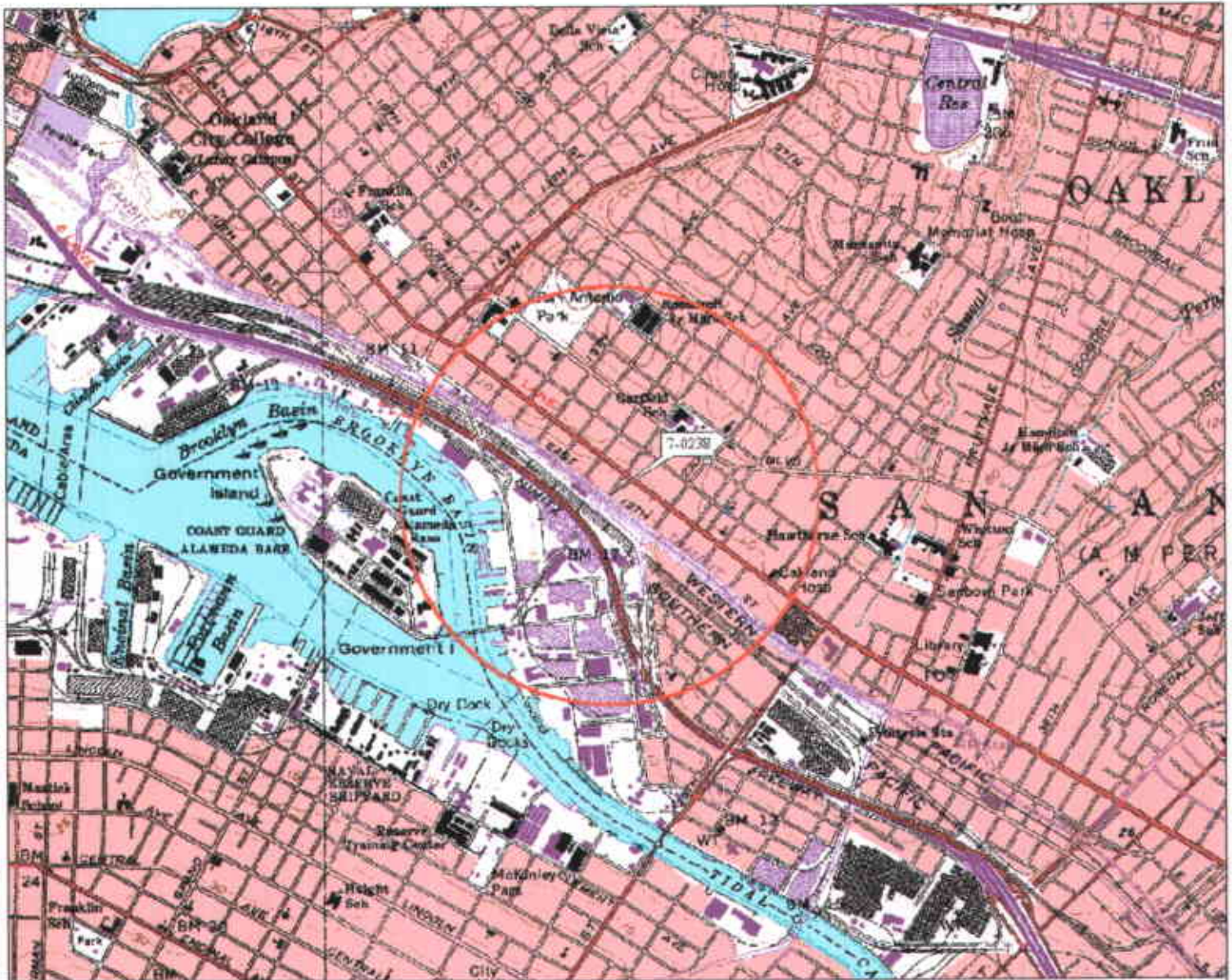
**TABLE 4
OPERATION AND PERFORMANCE DATA
FOR DUAL-PHASE EXTRACTION SYSTEM, LIQUID-PHASE**

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

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	TPHd	B	T	E	X	MTBE	Per Period	Cumulative	Per Period	Cumulative	Per Period	Cumulative
					µg/L.....>					Pounds.....>						
06/10/05	2772	246,610	3.65	10,510														
06/17/05	2941	252,790	0.61	6,180														
06/24/05	3104	262,930	1.01	10,140														
07/01/05	3273	272,060	0.91	9,130														
07/08/05	3441	281,210	0.91	9,150														
07/15/05	3510	284,580	0.33	3,370														
07/22/05	3675	292,200	0.76	7,620	W-INF	92.8	---	< 0.50	< 0.5	< 0.5	< 0.5	88.9	< 0.064	< 1.624	< 0.00023	< 0.0130	0.0606	0.993
					W-INT1	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-INT2	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
					W-PSP-1	< 50.0	---	< 0.50	< 0.5	< 0.5	< 0.5	< 0.5						
07/29/05	3844	299,140	0.72	14,560														
08/05/05	d 3860	299,910	0.08	770	W-INF	58.6	---	< 0.500	< 0.500	< 0.500	< 0.500	46.5	< 0.005	< 1.628	< 0.00003	< 0.0130	0.0044	0.997
					W-INT1	< 50.0	---	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500						
					W-INT2	< 50.0	---	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500						
					W-PSP-1	< 50.0	---	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500						
08/12/05	3860	299,910	0.00	0														
08/19/05	3867	300,120	0.02	210														
09/23/05	3882	300,370	0.00	250														

- 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.

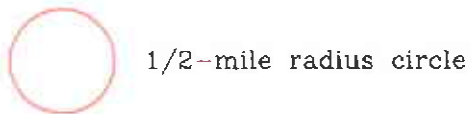
* If value is below laboratory reporting limit, then detection limit value is used for removal calculations.
 ** Indicates the concentrations of identifiable analytes are below the laboratory reporting limit unless otherwise noted.



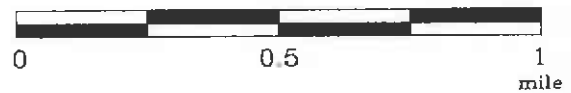
3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Sheet Date: 03/21 1:50,000 Scale: 1:39,200 Detail: 1:4 Inset: W2304

FN 2293TOPO

EXPLANATION



APPROXIMATE SCALE



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



SITE VICINITY MAP

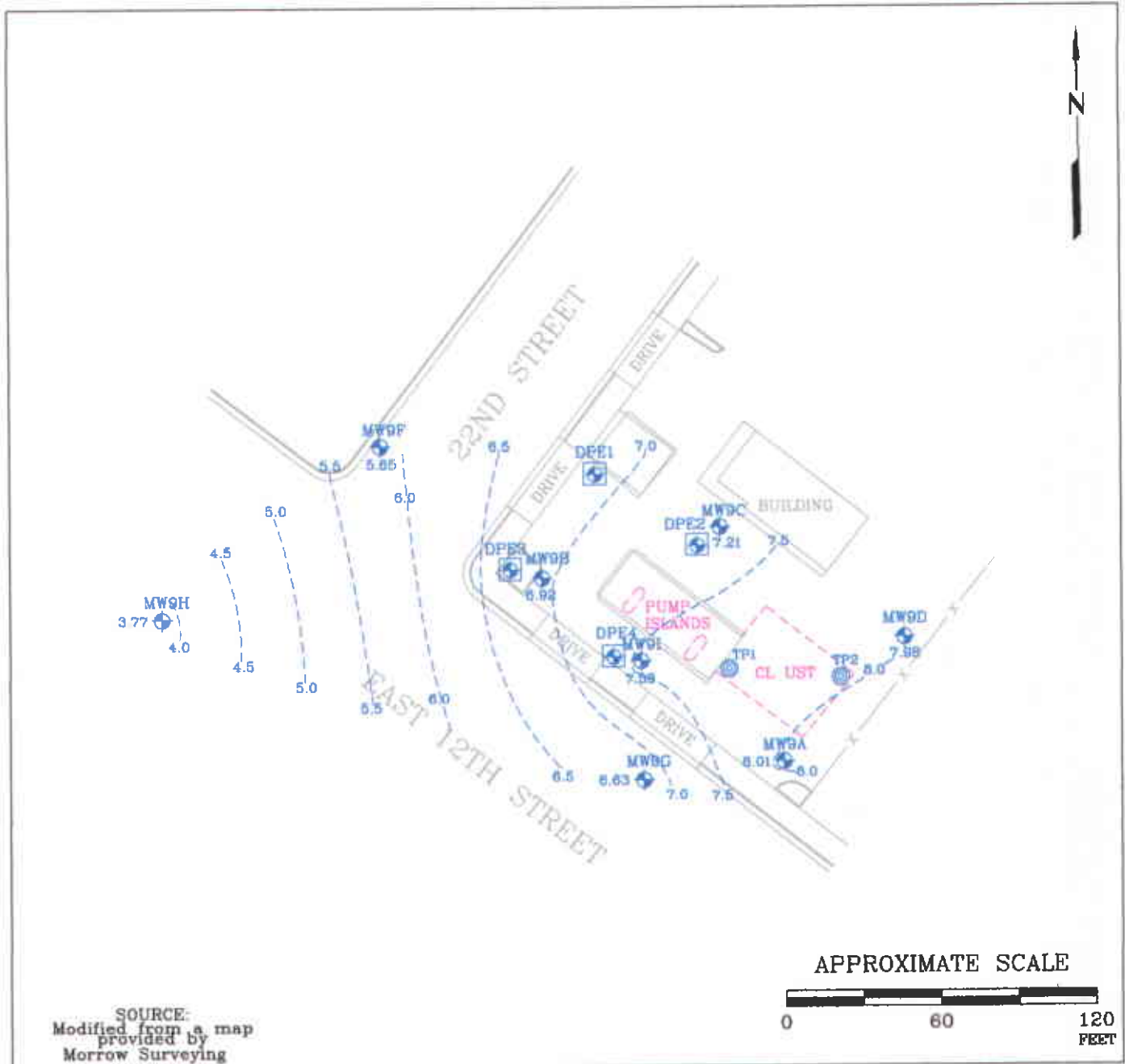
FORMER EXXON SERVICE STATION 7-0238
2200 East 12th Street
Oakland, California

PROJECT NO.

2293


PLATE

1



FN: 22930005_QM

EXPLANATION

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

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

DPE4
 Dual-Phase Extraction Well

TP2
 Tank Pit Well



GROUNDWATER ELEVATION MAP
September 1, 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 = $\pi^2 h(7.48)$ where:

r	=	radius of the well casing in feet.
h	=	column of water in the well in feet (depth to bottom - depth to water)
7.48	=	conversion constant from cubic feet to gallons
π	=	ratio of the circumference of a circle to its diameter

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

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

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

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

ATTACHMENT B

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

Test America

ANALYTICAL TESTING CORPORATION

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

September 22, 2005

RECEIVED
SEP 26 2005

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

BY:

Work Order: NOI0511
Project Name: Exxon 7-0238 PO:4505891267
Project Nbr: 229313X
Date Received: 09/07/05

SAMPLE IDENTIFICATION

LAB NUMBER

COLLECTION DATE AND TIME

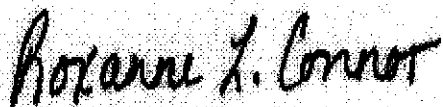
MW9A	NOI0511-02	09/01/05 14:00
MW9B	NOI0511-03	09/01/05 15:00
MW9C	NOI0511-04	09/01/05 15:53
MW9D	NOI0511-05	09/01/05 16:30
MW9F	NOI0511-06	09/01/05 12:20
MW9G	NOI0511-07	09/01/05 13:02
MW9H	NOI0511-08	09/01/05 14:20
MW9I	NOI0511-09	09/01/05 15:15

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.

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.

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: NOI0511
Project Name: Exxon 7-0238 PO:4505891267
Project Number: 229313X
Received: 09/07/05 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOI0511-02 (MW9A - Water) Sampled: 09/01/05 14:00									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	09/13/05 18:37	SW846 8021B	jlf	5091649
Ethylbenzene	ND		ug/L	0.50	1	09/13/05 18:37	SW846 8021B	jlf	5091649
Toluene	ND		ug/L	0.50	1	09/13/05 18:37	SW846 8021B	jlf	5091649
Xylenes, total	ND		ug/L	0.50	1	09/13/05 18:37	SW846 8021B	jlf	5091649
Surrogate: <i>a,a,a</i> -Trifluorotoluene (63-134%)	112 %					09/13/05 18:37	SW846 8021B	jlf	5091649
Selected Volatile Organic Compounds by EPA Method 8260B									
Methyl tert-Butyl Ether	1320		ug/L	10.0	20	09/12/05 20:05	SW846 8260B	CAW	5091920
Surrogate: <i>1,2</i> -Dichloroethane- <i>d4</i> (70-130%)	95 %					09/12/05 20:05	SW846 8260B	CAW	5091920
Surrogate: Dibromofluoromethane (79-122%)	94 %					09/12/05 20:05	SW846 8260B	CAW	5091920
Surrogate: Toluene- <i>d8</i> (78-121%)	100 %					09/12/05 20:05	SW846 8260B	CAW	5091920
Surrogate: <i>4</i> -Bromofluorobenzene (78-126%)	98 %					09/12/05 20:05	SW846 8260B	CAW	5091920
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	1020		ug/L	50.0	1	09/13/05 18:37	SW846 8015B	jlf	5091649
Surrogate: <i>a,a,a</i> -Trifluorotoluene (63-134%)	112 %					09/13/05 18:37	SW846 8015B	jlf	5091649
Sample ID: NOI0511-03 (MW9B - Water) Sampled: 09/01/05 15:00									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	0.55		ug/L	0.50	1	09/13/05 18:50	SW846 8021B	jlf	5091649
Ethylbenzene	ND		ug/L	0.50	1	09/13/05 18:50	SW846 8021B	jlf	5091649
Toluene	ND		ug/L	0.50	1	09/13/05 18:50	SW846 8021B	jlf	5091649
Xylenes, total	ND		ug/L	0.50	1	09/13/05 18:50	SW846 8021B	jlf	5091649
Surrogate: <i>a,a,a</i> -Trifluorotoluene (63-134%)	117 %					09/13/05 18:50	SW846 8021B	jlf	5091649
Selected Volatile Organic Compounds by EPA Method 8260B									
Methyl tert-Butyl Ether	82.6		ug/L	0.500	1	09/12/05 16:25	SW846 8260B	CAW	5091920
Surrogate: <i>1,2</i> -Dichloroethane- <i>d4</i> (70-130%)	95 %					09/12/05 16:25	SW846 8260B	CAW	5091920
Surrogate: Dibromofluoromethane (79-122%)	95 %					09/12/05 16:25	SW846 8260B	CAW	5091920
Surrogate: Toluene- <i>d8</i> (78-121%)	102 %					09/12/05 16:25	SW846 8260B	CAW	5091920
Surrogate: <i>4</i> -Bromofluorobenzene (78-126%)	99 %					09/12/05 16:25	SW846 8260B	CAW	5091920
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	90.5		ug/L	50.0	1	09/13/05 18:50	SW846 8015B	jlf	5091649
Surrogate: <i>a,a,a</i> -Trifluorotoluene (63-134%)	117 %					09/13/05 18:50	SW846 8015B	jlf	5091649
Sample ID: NOI0511-04 (MW9C - Water) Sampled: 09/01/05 15:53									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	09/13/05 19:04	SW846 8021B	jlf	5091649
Ethylbenzene	ND		ug/L	0.50	1	09/13/05 19:04	SW846 8021B	jlf	5091649
Toluene	ND		ug/L	0.50	1	09/13/05 19:04	SW846 8021B	jlf	5091649
Xylenes, total	ND		ug/L	0.50	1	09/13/05 19:04	SW846 8021B	jlf	5091649
Surrogate: <i>a,a,a</i> -Trifluorotoluene (63-134%)	110 %					09/13/05 19:04	SW846 8021B	jlf	5091649
Selected Volatile Organic Compounds by EPA Method 8260B									
Methyl tert-Butyl Ether	409		ug/L	2.50	5	09/12/05 20:33	SW846 8260B	CAW	5091920
Surrogate: <i>1,2</i> -Dichloroethane- <i>d4</i> (70-130%)	96 %					09/12/05 20:33	SW846 8260B	CAW	5091920

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

Work Order: NOI0511
Project Name: Exxon 7-0238 PO:4505891267
Project Number: 229313X
Received: 09/07/05 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOI0511-04 (MW9C - Water) - cont. Sampled: 09/01/05 15:53									
Selected Volatile Organic Compounds by EPA Method 8260B - cont.									
Surrogate: Dibromofluoromethane (79-122%)	95 %					09/12/05 20:33	SW846 8260B	CAW	5091920
Surrogate: Toluene-d8 (78-121%)	100 %					09/12/05 20:33	SW846 8260B	CAW	5091920
Surrogate: 4-Bromofluorobenzene (78-126%)	99 %					09/12/05 20:33	SW846 8260B	CAW	5091920
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	361		ug/L	50.0	1	09/13/05 19:04	SW846 8015B	jlf	5091649
Surrogate: a,a,a-Trifluorotoluene (63-134%)	110 %					09/13/05 19:04	SW846 8015B	jlf	5091649
Sample ID: NOI0511-05 (MW9D - Water) Sampled: 09/01/05 16:30									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	09/13/05 19:16	SW846 8021B	jlf	5091649
Ethylbenzene	ND		ug/L	0.50	1	09/13/05 19:16	SW846 8021B	jlf	5091649
Toluene	ND		ug/L	0.50	1	09/13/05 19:16	SW846 8021B	jlf	5091649
Xylenes, total	ND		ug/L	0.50	1	09/13/05 19:16	SW846 8021B	jlf	5091649
Surrogate: a,a,a-Trifluorotoluene (63-134%)	114 %					09/13/05 19:16	SW846 8021B	jlf	5091649
Selected Volatile Organic Compounds by EPA Method 8260B									
Methyl tert-Butyl Ether	51.8		ug/L	0.500	1	09/12/05 16:52	SW846 8260B	CAW	5091920
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	97 %					09/12/05 16:52	SW846 8260B	CAW	5091920
Surrogate: Dibromofluoromethane (79-122%)	95 %					09/12/05 16:52	SW846 8260B	CAW	5091920
Surrogate: Toluene-d8 (78-121%)	101 %					09/12/05 16:52	SW846 8260B	CAW	5091920
Surrogate: 4-Bromofluorobenzene (78-126%)	100 %					09/12/05 16:52	SW846 8260B	CAW	5091920
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	64.3		ug/L	50.0	1	09/13/05 19:16	SW846 8015B	jlf	5091649
Surrogate: a,a,a-Trifluorotoluene (63-134%)	114 %					09/13/05 19:16	SW846 8015B	jlf	5091649
Sample ID: NOI0511-06 (MW9F - Water) Sampled: 09/01/05 12:20									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	09/13/05 19:30	SW846 8021B	jlf	5091649
Ethylbenzene	ND		ug/L	0.50	1	09/13/05 19:30	SW846 8021B	jlf	5091649
Toluene	ND		ug/L	0.50	1	09/13/05 19:30	SW846 8021B	jlf	5091649
Xylenes, total	ND		ug/L	0.50	1	09/13/05 19:30	SW846 8021B	jlf	5091649
Surrogate: a,a,a-Trifluorotoluene (63-134%)	111 %					09/13/05 19:30	SW846 8021B	jlf	5091649
Selected Volatile Organic Compounds by EPA Method 8260B									
Methyl tert-Butyl Ether	19.6		ug/L	0.500	1	09/12/05 17:20	SW846 8260B	CAW	5091920
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	98 %					09/12/05 17:20	SW846 8260B	CAW	5091920
Surrogate: Dibromofluoromethane (79-122%)	96 %					09/12/05 17:20	SW846 8260B	CAW	5091920
Surrogate: Toluene-d8 (78-121%)	101 %					09/12/05 17:20	SW846 8260B	CAW	5091920
Surrogate: 4-Bromofluorobenzene (78-126%)	100 %					09/12/05 17:20	SW846 8260B	CAW	5091920
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	ND		ug/L	50.0	1	09/13/05 19:30	SW846 8015B	jlf	5091649
Surrogate: a,a,a-Trifluorotoluene (63-134%)	111 %					09/13/05 19:30	SW846 8015B	jlf	5091649

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

Work Order: NOI0511
Project Name: Exxon 7-0238 PO:4505891267
Project Number: 229313X
Received: 09/07/05 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOI0511-07 (MW9G - Water) Sampled: 09/01/05 13:02									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	09/13/05 19:43	SW846 8021B	jlf	5091649
Ethylbenzene	ND		ug/L	0.50	1	09/13/05 19:43	SW846 8021B	jlf	5091649
Toluene	ND		ug/L	0.50	1	09/13/05 19:43	SW846 8021B	jlf	5091649
Xylenes, total	0.63		ug/L	0.50	1	09/13/05 19:43	SW846 8021B	jlf	5091649
Surrogate: a,a,a-Trifluorotoluene (63-134%)	114 %					09/13/05 19:43	SW846 8021B	jlf	5091649
Selected Volatile Organic Compounds by EPA Method 8260B									
Methyl tert-Butyl Ether	308		ug/L	2.50	5	09/12/05 21:01	SW846 8260B	CAW	5091920
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	96 %					09/12/05 21:01	SW846 8260B	CAW	5091920
Surrogate: Dibromofluoromethane (79-122%)	95 %					09/12/05 21:01	SW846 8260B	CAW	5091920
Surrogate: Toluene-d8 (78-121%)	102 %					09/12/05 21:01	SW846 8260B	CAW	5091920
Surrogate: 4-Bromofluorobenzene (78-126%)	99 %					09/12/05 21:01	SW846 8260B	CAW	5091920
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	218		ug/L	50.0	1	09/13/05 19:43	SW846 8015B	jlf	5091649
Surrogate: a,a,a-Trifluorotoluene (63-134%)	114 %					09/13/05 19:43	SW846 8015B	jlf	5091649
Sample ID: NOI0511-08 (MW9H - Water) Sampled: 09/01/05 14:20									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.50	1	09/13/05 19:57	SW846 8021B	jlf	5091649
Ethylbenzene	ND		ug/L	0.50	1	09/13/05 19:57	SW846 8021B	jlf	5091649
Toluene	ND		ug/L	0.50	1	09/13/05 19:57	SW846 8021B	jlf	5091649
Xylenes, total	ND		ug/L	0.50	1	09/13/05 19:57	SW846 8021B	jlf	5091649
Surrogate: a,a,a-Trifluorotoluene (63-134%)	115 %					09/13/05 19:57	SW846 8021B	jlf	5091649
Selected Volatile Organic Compounds by EPA Method 8260B									
Methyl tert-Butyl Ether	71.6		ug/L	0.500	1	09/11/05 12:58	SW846 8260B	CAW	5091920
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	96 %					09/11/05 12:58	SW846 8260B	CAW	5091920
Surrogate: Dibromofluoromethane (79-122%)	96 %					09/11/05 12:58	SW846 8260B	CAW	5091920
Surrogate: Toluene-d8 (78-121%)	102 %					09/11/05 12:58	SW846 8260B	CAW	5091920
Surrogate: 4-Bromofluorobenzene (78-126%)	98 %					09/11/05 12:58	SW846 8260B	CAW	5091920
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	140		ug/L	50.0	1	09/13/05 19:57	SW846 8015B	jlf	5091649
Surrogate: a,a,a-Trifluorotoluene (63-134%)	115 %					09/13/05 19:57	SW846 8015B	jlf	5091649
Sample ID: NOI0511-09 (MW9I - Water) Sampled: 09/01/05 15:15									
Volatile Organic Compounds by EPA Method 8021B									
Benzene	1.22		ug/L	0.50	1	09/13/05 20:10	SW846 8021B	jlf	5091649
Ethylbenzene	ND		ug/L	0.50	1	09/13/05 20:10	SW846 8021B	jlf	5091649
Toluene	0.77		ug/L	0.50	1	09/13/05 20:10	SW846 8021B	jlf	5091649
Xylenes, total	ND		ug/L	0.50	1	09/13/05 20:10	SW846 8021B	jlf	5091649
Surrogate: a,a,a-Trifluorotoluene (63-134%)	117 %					09/13/05 20:10	SW846 8021B	jlf	5091649
Selected Volatile Organic Compounds by EPA Method 8260B									
Methyl tert-Butyl Ether	62.3		ug/L	0.500	1	09/11/05 13:25	SW846 8260B	CAW	5091920
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	98 %					09/11/05 13:25	SW846 8260B	CAW	5091920

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

Work Order: NOI0511
 Project Name: Exxon 7-0238 PO:4505891267
 Project Number: 229313X
 Received: 09/07/05 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOI0511-09 (MW9I - Water) - cont. Sampled: 09/01/05 15:15									
Selected Volatile Organic Compounds by EPA Method 8260B - cont.									
Surrogate: Dibromofluoromethane (79-122%)	95 %					09/11/05 13:25	SW846 8260B	CAW	5091920
Surrogate: Toluene-d8 (78-121%)	101 %					09/11/05 13:25	SW846 8260B	CAW	5091920
Surrogate: 4-Bromofluorobenzene (78-126%)	100 %					09/11/05 13:25	SW846 8260B	CAW	5091920
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline	170		ug/L	50.0	1	09/13/05 20:10	SW846 8015B	jlf	5091649
Surrogate: a,a,a-Trifluorotoluene (63-134%)	117 %					09/13/05 20:10	SW846 8015B	jlf	5091649

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

Attn Paula Sime

Work Order: NOI0511
Project Name: Exxon 7-0238 PO:4505891267
Project Number: 229313X
Received: 09/07/05 07:50

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8021B						
5091649-BLK1						
Benzene	<0.19		ug/L	5091649	5091649-BLK1	09/13/05 11:45
Ethylbenzene	<0.20		ug/L	5091649	5091649-BLK1	09/13/05 11:45
Toluene	<0.20		ug/L	5091649	5091649-BLK1	09/13/05 11:45
Xylenes, total	<0.50		ug/L	5091649	5091649-BLK1	09/13/05 11:45
Surrogate: <i>a,a,a-Trifluorotoluene</i>	113%			5091649	5091649-BLK1	09/13/05 11:45
5091649-BLK2						
Benzene	<0.19		ug/L	5091649	5091649-BLK2	09/13/05 11:57
Ethylbenzene	<0.20		ug/L	5091649	5091649-BLK2	09/13/05 11:57
Toluene	<0.20		ug/L	5091649	5091649-BLK2	09/13/05 11:57
Xylenes, total	<0.50		ug/L	5091649	5091649-BLK2	09/13/05 11:57
Surrogate: <i>a,a,a-Trifluorotoluene</i>	111%			5091649	5091649-BLK2	09/13/05 11:57
Selected Volatile Organic Compounds by EPA Method 8260B						
5091920-BLK1						
Methyl tert-Butyl Ether	<0.230		ug/L	5091920	5091920-BLK1	09/11/05 07:28
Surrogate: <i>1,2-Dichloroethane-d4</i>	91%			5091920	5091920-BLK1	09/11/05 07:28
Surrogate: <i>Dibromofluoromethane</i>	93%			5091920	5091920-BLK1	09/11/05 07:28
Surrogate: <i>Toluene-d8</i>	98%			5091920	5091920-BLK1	09/11/05 07:28
Surrogate: <i>4-Bromofluorobenzene</i>	99%			5091920	5091920-BLK1	09/11/05 07:28
Purgeable Petroleum Hydrocarbons						
5091649-BLK1						
GRO as Gasoline	<33.0		ug/L	5091649	5091649-BLK1	09/13/05 11:45
Surrogate: <i>a,a,a-Trifluorotoluene</i>	113%			5091649	5091649-BLK1	09/13/05 11:45
5091649-BLK2						
GRO as Gasoline	<33.0		ug/L	5091649	5091649-BLK2	09/13/05 11:57
Surrogate: <i>a,a,a-Trifluorotoluene</i>	111%			5091649	5091649-BLK2	09/13/05 11:57

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

Work Order: NOI0511
Project Name: Exxon 7-0238 PO:4505891267
Project Number: 229313X
Received: 09/07/05 07:50

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8021B								
5091649-BS1								
Benzene	100	118		ug/L	118%	72 - 118	5091649	09/13/05 21:56
Ethylbenzene	100	121	A-01	ug/L	121%	71 - 119	5091649	09/13/05 21:56
Toluene	100	114		ug/L	114%	72 - 119	5091649	09/13/05 21:56
Xylenes, total	200	235	A-01	ug/L	118%	70 - 117	5091649	09/13/05 21:56
Surrogate: <i>a,a,a</i> -Trifluorotoluene	30.0	34.5			115%	63 - 134	5091649	09/13/05 21:56
5091649-BS2								
Benzene	100	97.2		ug/L	97%	72 - 118	5091649	09/13/05 22:10
Ethylbenzene	100	99.7		ug/L	100%	71 - 119	5091649	09/13/05 22:10
Toluene	100	96.3		ug/L	96%	72 - 119	5091649	09/13/05 22:10
Xylenes, total	200	193		ug/L	96%	70 - 117	5091649	09/13/05 22:10
Surrogate: <i>a,a,a</i> -Trifluorotoluene	30.0	35.1			117%	63 - 134	5091649	09/13/05 22:10
Selected Volatile Organic Compounds by EPA Method 8260B								
5091920-BS1								
Methyl tert-Butyl Ether	50.0	51.7		ug/L	103%	66 - 136	5091920	09/11/05 06:33
Surrogate: <i>1,2</i> -Dichloroethane- <i>d4</i>	50.0	44.6			89%	70 - 130	5091920	09/11/05 06:33
Surrogate: Dibromofluoromethane	50.0	47.5			95%	79 - 122	5091920	09/11/05 06:33
Surrogate: Toluene- <i>d8</i>	50.0	48.7			97%	78 - 121	5091920	09/11/05 06:33
Surrogate: <i>4</i> -Bromofluorobenzene	50.0	48.9			98%	78 - 126	5091920	09/11/05 06:33
Purgeable Petroleum Hydrocarbons								
5091649-BS3								
GRO as Gasoline	1000	875		ug/L	88%	64 - 130	5091649	09/13/05 22:23
Surrogate: <i>a,a,a</i> -Trifluorotoluene	30.0	35.2			117%	63 - 134	5091649	09/13/05 22:23
5091649-BS4								
GRO as Gasoline	1000	798		ug/L	80%	64 - 130	5091649	09/13/05 22:36
Surrogate: <i>a,a,a</i> -Trifluorotoluene	30.0	35.5			118%	63 - 134	5091649	09/13/05 22:36

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

Work Order: NOI0511
Project Name: Exxon 7-0238 PO:4505891267
Project Number: 229313X
Received: 09/07/05 07:50

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8021B										
5091649-MS2										
Benzene	15.4	75.3		ug/L	50.0	120%	50 - 160	5091649	NOI0386-13	09/13/05 21:29
Ethylbenzene	7.88	68.8		ug/L	50.0	122%	47 - 159	5091649	NOI0386-13	09/13/05 21:29
Toluene	1.45	59.3		ug/L	50.0	116%	51 - 157	5091649	NOI0386-13	09/13/05 21:29
Xylenes, total	2.99	123		ug/L	100	120%	51 - 152	5091649	NOI0386-13	09/13/05 21:29
Surrogate: <i>a,a,a</i> -Trifluorotoluene		33.6		ug/L	30.0	112%	63 - 134	5091649	NOI0386-13	09/13/05 21:29
Selected Volatile Organic Compounds by EPA Method 8260B										
5091920-MS1										
Methyl tert-Butyl Ether	ND	56.6		ug/L	50.0	113%	46 - 158	5091920	NOI0514-08	09/11/05 15:43
Surrogate: <i>1,2</i> -Dichloroethane- <i>d4</i>		45.4		ug/L	50.0	91%	70 - 130	5091920	NOI0514-08	09/11/05 15:43
Surrogate: Dibromofluoromethane		47.3		ug/L	50.0	95%	79 - 122	5091920	NOI0514-08	09/11/05 15:43
Surrogate: Toluene- <i>d8</i>		49.7		ug/L	50.0	99%	78 - 121	5091920	NOI0514-08	09/11/05 15:43
Surrogate: <i>4</i> -Bromofluorobenzene		49.1		ug/L	50.0	98%	78 - 126	5091920	NOI0514-08	09/11/05 15:43
Purgeable Petroleum Hydrocarbons										
5091649-MS2										
GRO as Gasoline	195	983		ug/L			43 - 150	5091649	NOI0386-13	09/13/05 21:29
Surrogate: <i>a,a,a</i> -Trifluorotoluene		33.6		ug/L	30.0	112%	63 - 134	5091649	NOI0386-13	09/13/05 21:29

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

Work Order: NOI0511
Project Name: Exxon 7-0238 PO:4505891267
Project Number: 229313X
Received: 09/07/05 07:50

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
Volatile Organic Compounds by EPA Method 8021B												
5091649-MSD2												
Benzene	15.4	81.7		ug/L	50.0	133%	50 - 160	8	30	5091649	NOI0386-13	09/13/05 21:43
Ethylbenzene	7.88	69.7		ug/L	50.0	124%	47 - 159	1	38	5091649	NOI0386-13	09/13/05 21:43
Toluene	1.45	55.8		ug/L	50.0	109%	51 - 157	6	37	5091649	NOI0386-13	09/13/05 21:43
Xylenes, total	2.99	112		ug/L	100	109%	51 - 152	9	33	5091649	NOI0386-13	09/13/05 21:43
Surrogate: a,a,a-Trifluorotoluene		33.9		ug/L	30.0	113%	63 - 134			5091649	NOI0386-13	09/13/05 21:43
Selected Volatile Organic Compounds by EPA Method 8260B												
5091920-MSD1												
Methyl tert-Butyl Ether	ND	56.5		ug/L	50.0	113%	46 - 158	0.2	31	5091920	NOI0514-08	09/11/05 16:10
Surrogate: 1,2-Dichloroethane-d4		45.5		ug/L	50.0	91%	70 - 130			5091920	NOI0514-08	09/11/05 16:10
Surrogate: Dibromofluoromethane		47.5		ug/L	50.0	95%	79 - 122			5091920	NOI0514-08	09/11/05 16:10
Surrogate: Toluene-d8		49.5		ug/L	50.0	99%	78 - 121			5091920	NOI0514-08	09/11/05 16:10
Surrogate: 4-Bromofluorobenzene		49.2		ug/L	50.0	98%	78 - 126			5091920	NOI0514-08	09/11/05 16:10
Purgeable Petroleum Hydrocarbons												
5091649-MSD2												
GRO as Gasoline	195	944		ug/L			43 - 150	4	27	5091649	NOI0386-13	09/13/05 21:43
Surrogate: a,a,a-Trifluorotoluene		33.9		ug/L	30.0	113%	63 - 134			5091649	NOI0386-13	09/13/05 21:43

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

Attn Paula Sime

Work Order: NOI0511
Project Name: Exxon 7-0238 PO:4505891267
Project Number: 229313X
Received: 09/07/05 07:50

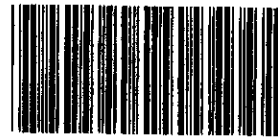
CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville

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

DATA QUALIFIERS AND DEFINITIONS

A-01 Recovery above laboratory historical limits but within method default limits.



COOLER RECEIPT FORM

BC#

NOI0511

Client Name : ERI

Cooler Received/Opened On: 9/7/05 Accessioned By: James D. Jacobs


Log-in Personnel Signature

1. Temperature of Cooler when triaged: 0.5 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA
a. If yes, how many and where: 1 Foot
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:

9610

Fed-Ex

UPS

Velocity

DHL

Route

Off-street

Misc.

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



Consultant Name: Environmental Resolutions, Inc.

ExxonMobil Engineer Jennifer Sedlachek

(615) 726-0177

Address: 601 N. McDowell Blvd

Telephone Number (510) 547-8196

Nashville Division

NOI0511

City/State/Zip: Petaluma, California 94954

Account #: 10228

2960 Foster Creig... 09/16/05 17:00

Project Manager Paula Sime

PO #: 4505891267

Nashville, TN 37204

Telephone Number: (707) 766-2000

Facility ID # 70238

Global ID# T0600101343



ERI Job Number: 229313X

Site Address 2200 East 12th Street

Sampler Name: (Print) VIRKI BURNI

Sampler Signature: [Signature]

City, State Zip Oakland, California

Lab Courier Hand Deliver Commercial Express

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:

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix			Analyze For:									
							Water	Soil	Vapor	TPHg 8015B	BTEX 8021B	MTBE 8260B	7 CA Oxys 8260B	Ethanol 8260B					
QCBB	NOI0511-01	9-1-05			HCl	2 VOAs	X			H	O	L	D						
MW9A	-02				HCl	6 VOAs	X			X	X	X							
MW9B	-03				HCl	6 VOAs	X			X	X	X							
MW9C	-04				HCl	6 VOAs	X			X	X	X							
MW9D	-05				HCl	6 VOAs	X			X	X	X							
MW9E	-06				HCl	6 VOAs	X			X	X	X							
MW9G	-07				HCl	6 VOAs	X			X	X	X							
MW9H	-08				HCl	6 VOAs	X			X	X	X							
MW9I	-09				HCl	6 VOAs	X			X	X	X							

Relinquished by: [Signature]
Date: 9-6-05

Time: 6:45

Received by: [Signature]
Time: 9/9/05 2:50

Laboratory Comments:
 Temperature Upon Receipt: 0.5°C
 Sample Containers Intact? Yes
 VOAs Free of Headspace? Yes

TestAmerica

ANALYTICAL TESTING CORPORATION

2960 FOSTER CREIGHTON DRIVE • NASHVILLE, TENNESSEE 37204

800-765-0880 • 615-726-3404 FAX

8/ 3/05

ERI - NORTHERN CA 10228
Jim Chappell
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

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

Project Name: EXXONMOBIL 7-0238
Project Number: 2293-11X.
Laboratory Project Number: 424246.

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

Sample Identification	Lab Number	Page 1 Collection Date
-----	-----	-----
W-INF	05-A108080	7/22/05
W-INT 1	05-A108081	7/22/05
W-INT 2	05-A108082	7/22/05
W-PSP-1	05-A108083	7/22/05

TestAmerica

ANALYTICAL TESTING CORPORATION

2960 FOSTER CREIGHTON DRIVE • NASHVILLE, TENNESSEE 37204
800-765-0980 • 615-726-3404 FAX

Page 2

Sample Identification

Lab Number

Collection Date

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

Report Approved By: _____

Roxanne L. Connor

Report Date: 8/ 3/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services

Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manager
Mark Hollingsworth, Director of Project

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
 Jim Chappell
 601 NORTH MCDOWELL BLVD.
 PETALUMA, CA 94954

Lab Number: 05-A108080
 Sample ID: W-INF
 Sample Type: Water
 Site ID: 7-0238

Project: 2293-11X
 Project Name: EXXONMOBIL 7-0238
 Sampler: JON HERMAN

Date Collected: 7/22/05
 Time Collected: 11:30
 Date Received: 7/27/05
 Time Received: 7:50

Analyte	Result	Units	Report Limit	Dil Factor	Analysis		Analyst	Method	Batch
					Date	Time			
ORGANIC PARAMETERS									
**Benzene	ND	ug/l	0.50	1.0	7/31/05	20:25	F.Gundi	8021B	1318
**Ethylbenzene	ND	ug/l	0.5	1.0	7/31/05	20:25	F.Gundi	8021B	1318
**Toluene	ND	ug/l	0.5	1.0	7/31/05	20:25	F.Gundi	8021B	1318
**Xylenes (Total)	ND	ug/l	0.5	1.0	7/31/05	20:25	F.Gundi	8021B	1318
**Methyl-t-butylether	88.9	ug/l	0.5	1.0	7/31/05	20:25	F.Gundi	8021B	1318
**TPH (Gasoline Range)	92.8	ug/l	50.0	1.0	7/31/05	20:25	F.Gundi	8015B	1318

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	99.	63. - 134.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
 B = Analyte was detected in the method blank.
 J = Estimated Value below Report Limit.
 E = Estimated Value above the calibration limit of the instrument.
 # = Recovery outside Laboratory historical or method prescribed limits.
 ** = NELAC E87358 Certified Analyte

End of Sample Report.

ANALYTICAL REPORT

ERI - NORTHERN CA 10228
 Jim Chappell
 601 NORTH MCDOWELL BLVD.
 PETALUMA, CA 94954

Lab Number: 05-A108081
 Sample ID: W-INT 1
 Sample Type: Water
 Site ID: 7-0238

Project: 2293-11X
 Project Name: EXXONMOBIL 7-0238
 Sampler: JON HERMAN

Date Collected: 7/22/05
 Time Collected: 11:00
 Date Received: 7/27/05
 Time Received: 7:50

Analyte	Result	Units	Report	Dil	Analysis		Analysis		Method	Batch
			Limit	Factor	Date	Time	Analyst			
ORGANIC PARAMETERS										
**Benzene	ND	ug/l	0.50	1.0	7/31/05	20:52	F.Gundi	8021B	1318	
**Ethylbenzene	ND	ug/l	0.5	1.0	7/31/05	20:52	F.Gundi	8021B	1318	
**Toluene	ND	ug/l	0.5	1.0	7/31/05	20:52	F.Gundi	8021B	1318	
**Xylenes (Total)	ND	ug/l	0.5	1.0	7/31/05	20:52	F.Gundi	8021B	1318	
**Methyl-t-butylether	ND	ug/l	0.5	1.0	7/31/05	20:52	F.Gundi	8021B	1318	
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	7/31/05	20:52	F.Gundi	8015B	1318	

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	99.	63. - 134.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
 B = Analyte was detected in the method blank.
 J = Estimated Value below Report Limit.
 E = Estimated Value above the calibration limit of the instrument.
 # = Recovery outside Laboratory historical or method prescribed limits.
 ** = NELAC E87358 Certified Analyte

End of Sample Report.

TestAmerica

ANALYTICAL TESTING CORPORATION

2960 FOSTER CREIGHTON DRIVE • NASHVILLE, TENNESSEE 37204
800-765-0980 • 615-726-3404 FAX

ANALYTICAL REPORT

ERI - NORTHERN CA 10228
Jim Chappell
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A108082
Sample ID: W-INT 2
Sample Type: Water
Site ID: 7-0238

Project: 2293-11X
Project Name: EXXONMOBIL 7-0238
Sampler: JON HERMAN

Date Collected: 7/22/05
Time Collected: 10:30
Date Received: 7/27/05
Time Received: 7:50

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analysis Analyst	Method	Batch
ORGANIC PARAMETERS									
**Benzene	ND	ug/l	0.50	1.0	7/31/05	21:18	F.Gundi	8021B	1318
**Ethylbenzene	ND	ug/l	0.5	1.0	7/31/05	21:18	F.Gundi	8021B	1318
**Toluene	ND	ug/l	0.5	1.0	7/31/05	21:18	F.Gundi	8021B	1318
**Xylenes (Total)	ND	ug/l	0.5	1.0	7/31/05	21:18	F.Gundi	8021B	1318
**Methyl-t-butylether	ND	ug/l	0.5	1.0	7/31/05	21:18	F.Gundi	8021B	1318
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	7/31/05	21:18	F.Gundi	8015B	1318

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	101.	63. - 134.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

** = NELAC E87358 Certified Analyte

End of Sample Report.

ANALYTICAL REPORT

ERI - NORTHERN CA 10228
Jim Chappell
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A108083
Sample ID: W-PSP-1
Sample Type: Water
Site ID: 7-0238

Project: 2293-11X
Project Name: EXXONMOBIL 7-0238
Sampler: JON HERMAN

Date Collected: 7/22/05
Time Collected: 10:00
Date Received: 7/27/05
Time Received: 7:50

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			
ORGANIC PARAMETERS									
**Benzene	ND	ug/l	0.50	1.0	7/31/05	21:45	F.Gundi	8021B	1318
**Ethylbenzene	ND	ug/l	0.5	1.0	7/31/05	21:45	F.Gundi	8021B	1318
**Toluene	ND	ug/l	0.5	1.0	7/31/05	21:45	F.Gundi	8021B	1318
**Xylenes (Total)	ND	ug/l	0.5	1.0	7/31/05	21:45	F.Gundi	8021B	1318
**Methyl-t-butylether	ND	ug/l	0.5	1.0	7/31/05	21:45	F.Gundi	8021B	1318
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	7/31/05	21:45	F.Gundi	8015B	1318

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	100.	63. - 134.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
= Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

PROJECT QUALITY CONTROL DATA

Project Number: 2293-11X

Project Name: EXXONMOBIL 7-0238

Page: 1

Laboratory Receipt Date: 7/27/05

Matrix Spike Recovery

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

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	0.00880	0.0644	0.0500	111	50. - 160.	1318	05-A108084
Toluene	mg/l	0.0023	0.0554	0.0500	106	51. - 157.	1318	05-A108084
Ethylbenzene	mg/l	0.0007	0.0550	0.0500	109	47. - 159.	1318	05-A108084
Xylenes (Total)	mg/l	0.0309	0.135	0.100	104	51. - 152.	1318	05-A108084
TPH (Gasoline Range)	mg/l	< 0.100	0.966	1.00	97	43. - 150.	1318	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				97	63 - 134	1318	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.0644	0.0695	7.62	30.	1318
Toluene	mg/l	0.0554	0.0601	8.14	37.	1318
Ethylbenzene	mg/l	0.0550	0.0599	8.53	38.	1318
Xylenes (Total)	mg/l	0.135	0.146	7.83	33.	1318
TPH (Gasoline Range)	mg/l	0.966	0.900	7.07	27.	1318
BTEX/GRO Surr., a,a,a-TFT	% Recovery		97.			1318

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.100	0.109	109	72 - 118	1318
Toluene	mg/l	0.100	0.104	104	72 - 119	1318
Ethylbenzene	mg/l	0.100	0.107	107	71 - 119	1318

PROJECT QUALITY CONTROL DATA
 Project Number: 2293-11X
 Project Name: EXXONMOBIL 7-0238
 Page: 2
 Laboratory Receipt Date: 7/27/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Xylenes (Total)	mg/l	0.200	0.208	104	70 - 117	1318
Methyl-t-butylether	mg/l	0.100	0.113	113	57 - 127	1318
TPH (Gasoline Range)	mg/l	1.00	0.966	97	64 - 130	1318
BTEX/GRO Surr., a,a,a-TFT	% Recovery			97	63 - 134	1318

Duplicates

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

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed

UST PARAMETERS

Benzene	< 0.00050	mg/l	1318	7/31/05	19:58
Toluene	< 0.0005	mg/l	1318	7/31/05	19:58
Ethylbenzene	< 0.0005	mg/l	1318	7/31/05	19:58
Xylenes (Total)	< 0.0005	mg/l	1318	7/31/05	19:58
Methyl-t-butylether	< 0.0005	mg/l	1318	7/31/05	19:58
TPH (Gasoline Range)	< 0.0500	mg/l	1318	7/31/05	19:58
BTEX/GRO Surr., a,a,a-TFT	100.	% Recovery	1318	7/31/05	19:58

- Value outside Laboratory historical or method prescribed QC limits.

CHAIN OF CUSTODY RECORD

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

424246



Consultant Name: Environmental Resolutions, Inc.

Address: 610 North McDowell

City/State/Zip: Petaluma, CA 94954

Project Manager Jim Chappell

Telephone Number: 1707-766-2000

ERI Job Number: 2293-11X

Sampler Name: (Print) Jan Herman

Sampler Signature: Jan 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 <input type="checkbox"/> 72 hour <input type="checkbox"/> 96 hour	PROVIDE: EDF Report FAX Results	Special Instructions:					Matrix			Analyze For:							
							Water	Soil	Vapor	TPHg 8015	BTEX 8021B	MTBE 8020					
Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER											
W-INF	7/22/05	11:30		X	HCI	5voa	X			X	X	X			108080		
W-INT 1	11	11:00		X	HCI	5voa	X			X	X	X			108081		
W-INT 2	"	10:30		X	HCI	5voa	X			X	X	X			108082		
W-PSP-1	"	10:00		X	HCI	5voa	X			X	X	X			108083		

Relinquished by: J Herman Date 7/22/05 Time 9:00 Received by: _____ Time _____

Relinquished by: _____ Date _____ Time _____ Received by TestAmerica: [Signature] Time 9/27/05 2:50

Laboratory Comments:
Temperature Upon Receipt: 2.5°C
Sample Containers Intact? Yes
VOAs Free of Headspaces? Yes

August 24, 2005

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

Work Order: NOH0585
Project Name: Exxon 7-0238 PO:4505891267
Project Nbr: 2293-11X
Date Received: 08/09/05

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
W-Inf	NOH0585-01	08/03/05 13:30
W-Int 1	NOH0585-02	08/03/05 13:30
W-Int 2	NOH0585-03	08/03/05 12:30
W-PSP-1	NOH0585-04	08/03/05 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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Report Approved By:



John Mitchell For Leah Klingensmith
Project Management

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

Work Order: NOH0585
Project Name: Exxon 7-0238 PO:4505891267
Project Number: 2293-11X
Received: 08/09/05 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOH0585-01 (W-Inf - Water) Sampled: 08/03/05 13:30									
TPH Gasoline by GC/FID									
GRO as Gasoline	58.6		ug/L	50.0	1	08/17/05 19:35	SW846 8015B	fg	5081846
Surrogate: a,a,a-Trifluorotoluene (63-134%)	108 %					08/17/05 19:35	SW846 8015B	fg	5081846
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.500	1	08/17/05 19:35	SW846 8021B	fg	5081846
Ethylbenzene	ND		ug/L	0.500	1	08/17/05 19:35	SW846 8021B	fg	5081846
Methyl tert-Butyl Ether	46.5		ug/L	0.500	1	08/17/05 19:35	SW846 8021B	fg	5081846
Toluene	ND		ug/L	0.500	1	08/17/05 19:35	SW846 8021B	fg	5081846
Xylenes, total	ND		ug/L	0.500	1	08/17/05 19:35	SW846 8021B	fg	5081846
Surrogate: a,a,a-Trifluorotoluene (63-134%)	108 %					08/17/05 19:35	SW846 8021B	fg	5081846
Sample ID: NOH0585-02 (W-Int 1 - Water) Sampled: 08/03/05 13:30									
TPH Gasoline by GC/FID									
GRO as Gasoline	ND		ug/L	50.0	1	08/17/05 21:21	SW846 8015B	fg	5081846
Surrogate: a,a,a-Trifluorotoluene (63-134%)	114 %					08/17/05 21:21	SW846 8015B	fg	5081846
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.500	1	08/17/05 21:21	SW846 8021B	fg	5081846
Ethylbenzene	ND		ug/L	0.500	1	08/17/05 21:21	SW846 8021B	fg	5081846
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	08/17/05 21:21	SW846 8021B	fg	5081846
Toluene	ND		ug/L	0.500	1	08/17/05 21:21	SW846 8021B	fg	5081846
Xylenes, total	ND		ug/L	0.500	1	08/17/05 21:21	SW846 8021B	fg	5081846
Surrogate: a,a,a-Trifluorotoluene (63-134%)	114 %					08/17/05 21:21	SW846 8021B	fg	5081846
Sample ID: NOH0585-03 (W-Int 2 - Water) Sampled: 08/03/05 12:30									
TPH Gasoline by GC/FID									
GRO as Gasoline	ND		ug/L	50.0	1	08/17/05 21:47	SW846 8015B	fg	5081846
Surrogate: a,a,a-Trifluorotoluene (63-134%)	113 %					08/17/05 21:47	SW846 8015B	fg	5081846
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.500	1	08/17/05 21:47	SW846 8021B	fg	5081846
Ethylbenzene	ND		ug/L	0.500	1	08/17/05 21:47	SW846 8021B	fg	5081846
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	08/17/05 21:47	SW846 8021B	fg	5081846
Toluene	ND		ug/L	0.500	1	08/17/05 21:47	SW846 8021B	fg	5081846
Xylenes, total	ND		ug/L	0.500	1	08/17/05 21:47	SW846 8021B	fg	5081846
Surrogate: a,a,a-Trifluorotoluene (63-134%)	113 %					08/17/05 21:47	SW846 8021B	fg	5081846
Sample ID: NOH0585-04 (W-PSP-1 - Water) Sampled: 08/03/05 12:00									
TPH Gasoline by GC/FID									
GRO as Gasoline	ND		ug/L	50.0	1	08/17/05 22:13	SW846 8015B	FKG	5081846
Surrogate: a,a,a-Trifluorotoluene (63-134%)	109 %					08/17/05 22:13	SW846 8015B	FKG	5081846
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND		ug/L	0.500	1	08/17/05 22:13	SW846 8021B	FKG	5081846
Ethylbenzene	ND		ug/L	0.500	1	08/17/05 22:13	SW846 8021B	FKG	5081846
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	08/17/05 22:13	SW846 8021B	FKG	5081846

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

Work Order: NOH0585
 Project Name: Exxon 7-0238 PO:4505891267
 Project Number: 2293-11X
 Received: 08/09/05 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOH0585-04 (W-PSP-1 - Water) - cont. Sampled: 08/03/05 12:00									
Volatile Organic Compounds by EPA Method 8021B - cont.									
Toluene	ND		ug/L	0.500	1	08/17/05 22:13	SW846 8021B	FKG	5081846
Xylenes, total	ND		ug/L	0.500	1	08/17/05 22:13	SW846 8021B	FKG	5081846
Surrogate: <i>a,a,a</i> -Trifluorotoluene (63-134%)	109 %					08/17/05 22:13	SW846 8021B	FKG	5081846

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

Work Order: NOH0585
 Project Name: Exxon 7-0238 PO:4505891267
 Project Number: 2293-11X
 Received: 08/09/05 07:50

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
TPH Gasoline by GC/FID						
5081846-BLK1						
GRO as Gasoline	<33.0		ug/L	5081846	5081846-BLK1	08/17/05 15:04
Surrogate: <i>a,a,a-Trifluorotoluene</i>	108%			5081846	5081846-BLK1	08/17/05 15:04
Volatile Organic Compounds by EPA Method 8021B						
5081846-BLK1						
Benzene	<0.190		ug/L	5081846	5081846-BLK1	08/17/05 15:04
Ethylbenzene	<0.200		ug/L	5081846	5081846-BLK1	08/17/05 15:04
Methyl tert-Butyl Ether	<0.200		ug/L	5081846	5081846-BLK1	08/17/05 15:04
Toluene	<0.200		ug/L	5081846	5081846-BLK1	08/17/05 15:04
Xylenes, total	<0.500		ug/L	5081846	5081846-BLK1	08/17/05 15:04
Surrogate: <i>a,a,a-Trifluorotoluene</i>	108%			5081846	5081846-BLK1	08/17/05 15:04

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

Work Order: NOH0585
 Project Name: Exxon 7-0238 PO:4505891267
 Project Number: 2293-11X
 Received: 08/09/05 07:50

PROJECT QUALITY CONTROL DATA
 LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
TPH Gasoline by GC/FID								
5081846-BS2								
GRO as Gasoline	1000	1060		ug/L	106%	64 - 130	5081846	08/18/05 02:37
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	33.9			113%	63 - 134	5081846	08/18/05 02:37
Volatile Organic Compounds by EPA Method 8021B								
5081846-BS1								
Benzene	100	91.4		ug/L	91%	72 - 118	5081846	08/18/05 02:11
Ethylbenzene	100	88.2		ug/L	88%	71 - 119	5081846	08/18/05 02:11
Methyl tert-Butyl Ether	100	76.4		ug/L	76%	57 - 127	5081846	08/18/05 02:11
Toluene	100	88.2		ug/L	88%	72 - 119	5081846	08/18/05 02:11
Xylenes, total	200	171		ug/L	86%	70 - 117	5081846	08/18/05 02:11
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	33.6			112%	63 - 134	5081846	08/18/05 02:11

TestAmerica

ANALYTICAL TESTING CORPORATION

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

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

Work Order: NOH0585
Project Name: Exxon 7-0238 PO:4505891267
Project Number: 2293-11X
Received: 08/09/05 07:50

CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville

Method	Matrix	ACIL	AIHA	Nelac	California
SW846 8015B	Water			X	X
SW846 8021B	Water			X	X

CHAIN OF CUSTODY RECORD



(615) 726-0177

Nashville Division

2960 Foster Creighton

Nashville, TN 37204



NOH0585

08/18/05 17:00

Consultant Name: Environmental Resolutions, Inc.

Address: 610 North McDowell

City/State/Zip: Petaluma, CA 94954

Project Manager: Paula Sime

Phone 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 <input type="checkbox"/> 24 hour <input type="checkbox"/> 48 hour <input checked="" type="checkbox"/> 8 day	PROVIDE: EDF Report	Special Instructions:					Matrix			Analyze For:							
							Water	Soil	Vapor	TPHg 8015	BTEX 8021B	MTBE 8020					
Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER											
W-INF	8/9/05	13 ³⁰		X	HCl	5voa	X			X	X	X					
W-INT 1	n	13 ⁰⁰		X	HCl	5voa	X			X	X	X					
W-INT 2	n	12 ³⁰		X	HCl	5voa	X			X	X	X					
W-PSP-1	n	12 ⁰⁰		X	HCl	5voa	X			X	X	X					

Relinquished by: J. Herman Date 8/9/05 Time 900 Received by: _____ Time _____

Relinquished by: _____ Date _____ Time _____ Received by TestAmerica: M. J. Date 8/9/05 Time 7:50

Laboratory Comments: 0.8
 Temperature Upon Receipt:
 Sample Containers Intact?
 VOAs Free of Headspace?

August 26, 2005

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

Work Order: NOH1186
Project Name: Exxon 7-0238 PO:4505891267
Project Nbr: 2293-11X
Date Received: 08/16/05

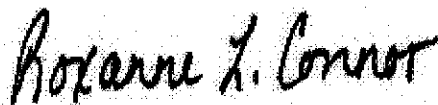
SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
A-INF	NOH1186-01	08/12/05 12:00
A-EFF	NOH1186-02	08/12/05 11:30

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 For Leah Klingensmith

Project Management

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

Work Order: NOH1186
 Project Name: Exxon 7-0238 PO:4505891267
 Project Number: 2293-11X
 Received: 08/16/05 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOH1186-01 (A-INF - Air) Sampled: 08/12/05 12:00									
H3									
BTEX in Air by GC/PID									
Methyl tert-Butyl Ether	ND		mg/m3	0.500	1	08/16/05 15:21	EPA 18	Syste	5081566
Benzene	ND		mg/m3	0.500	1	08/16/05 15:21	EPA 18	Syste	5081566
Toluene	ND		mg/m3	0.500	1	08/16/05 15:21	EPA 18	Syste	5081566
Ethylbenzene	ND		mg/m3	0.500	1	08/16/05 15:21	EPA 18	Syste	5081566
Xylenes, total	ND		mg/m3	1.50	1	08/16/05 15:21	EPA 18	Syste	5081566
C4 - C10 Hydrocarbons	ND		mg/m3	5.00	1	08/16/05 15:21	EPA 18	Syste	5081566

Sample ID: NOH1186-02 (A-EFF - Air) Sampled: 08/12/05 11:30
H3

BTEX in Air by GC/PID									
Methyl tert-Butyl Ether	ND		mg/m3	0.500	1	08/16/05 15:50	EPA 18	Syste	5081566
Benzene	ND		mg/m3	0.500	1	08/16/05 15:50	EPA 18	Syste	5081566
Toluene	ND		mg/m3	0.500	1	08/16/05 15:50	EPA 18	Syste	5081566
Ethylbenzene	ND		mg/m3	0.500	1	08/16/05 15:50	EPA 18	Syste	5081566
Xylenes, total	ND		mg/m3	1.50	1	08/16/05 15:50	EPA 18	Syste	5081566
C4 - C10 Hydrocarbons	ND		mg/m3	5.00	1	08/16/05 15:50	EPA 18	Syste	5081566

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

Work Order: NOH1186
 Project Name: Exxon 7-0238 PO:4505891267
 Project Number: 2293-11X
 Received: 08/16/05 07:50

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
BTEX in Air by GC/PID						
5081566-BLK1						
Methyl tert-Butyl Ether	<0.210		mg/m3	5081566	5081566-BLK1	08/16/05 13:54
Benzene	<0.270		mg/m3	5081566	5081566-BLK1	08/16/05 13:54
Toluene	<0.190		mg/m3	5081566	5081566-BLK1	08/16/05 13:54
Ethylbenzene	<0.190		mg/m3	5081566	5081566-BLK1	08/16/05 13:54
Xylenes, total	<0.500		mg/m3	5081566	5081566-BLK1	08/16/05 13:54
C4 - C10 Hydrocarbons	<1.85		mg/m3	5081566	5081566-BLK1	08/16/05 13:54

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

Work Order: NOH1186
 Project Name: Exxon 7-0238 PO:4505891267
 Project Number: 2293-11X
 Received: 08/16/05 07:50

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
BTEX in Air by GC/PID									
5081566-DUP1									
Methyl tert-Butyl Ether	3.54	3.67		mg/m3	4	29	5081566	NOH1183-01	08/16/05 17:17
Benzene	15.6	15.4		mg/m3	1	16	5081566	NOH1183-01	08/16/05 17:17
Toluene	51.9	50.9		mg/m3	2	29	5081566	NOH1183-01	08/16/05 17:17
Ethylbenzene	20.9	20.5		mg/m3	2	29	5081566	NOH1183-01	08/16/05 17:17
Xylenes, total	131	127		mg/m3	3	40	5081566	NOH1183-01	08/16/05 17:17
C4 - C10 Hydrocarbons	479	464		mg/m3	3	26	5081566	NOH1183-01	08/16/05 17:17

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

Work Order: NOH1186
Project Name: Exxon 7-0238 PO:4505891267
Project Number: 2293-11X
Received: 08/16/05 07:50

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
BTEX in Air by GC/PID								
5081566-BS1								
Methyl tert-Butyl Ether	15.2	15.0		mg/m3	99%	70 - 130	5081566	08/16/05 18:16
Benzene	16.2	15.3		mg/m3	94%	70 - 130	5081566	08/16/05 18:16
Toluene	19.0	17.4		mg/m3	92%	70 - 130	5081566	08/16/05 18:16
Ethylbenzene	22.0	19.4		mg/m3	88%	70 - 130	5081566	08/16/05 18:16
Xylenes, total	65.8	57.2		mg/m3	87%	70 - 130	5081566	08/16/05 18:16
C4 - C10 Hydrocarbons	208	187		mg/m3	90%	70 - 130	5081566	08/16/05 18:16

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

Work Order: NOH1186
 Project Name: Exxon 7-0238 PO:4505891267
 Project Number: 2293-11X
 Received: 08/16/05 07:50

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
BTEX in Air by GC/PID										
5081566-MS1										
Methyl tert-Butyl Ether	3.54	32.0		mg/m3	30.5	93%	70 - 130	5081566	NOH1183-01	08/16/05 17:47
Benzene	15.6	40.4		mg/m3	32.3	77%	70 - 130	5081566	NOH1183-01	08/16/05 17:47
Toluene	51.9	71.6	M2	mg/m3	38.1	52%	70 - 130	5081566	NOH1183-01	08/16/05 17:47
Ethylbenzene	20.9	47.2	M2	mg/m3	43.9	60%	70 - 130	5081566	NOH1183-01	08/16/05 17:47
Xylenes, total	131	184	M2	mg/m3	132	40%	70 - 130	5081566	NOH1183-01	08/16/05 17:47
C4 - C10 Hydrocarbons	479	664	M2	mg/m3	417	44%	70 - 130	5081566	NOH1183-01	08/16/05 17:47

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

Work Order: NOH1186
Project Name: Exxon 7-0238 PO:4505891267
Project Number: 2293-11X
Received: 08/16/05 07:50

CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville

Method	Matrix	ACIL	AIHA	Nelac	California
EPA 18	Air				

DATA QUALIFIERS AND DEFINITIONS

H3 Sample was received and analyzed past holding time.
M2 The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).



Nashville Division

COOLER RECEIPT FORM

BC#

NOH1186

Client Name : ERI

Cooler Received/Opened On: 8/16/05 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:

8441
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 Creightc

Nashville, TN 37204



NOH1186

08/25/05 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: EDF Report	Special Instructions:						Matrix			Analyze For:																
		* Include MTBE						Water	Soil	Vapor	EPA 18*																
<input type="checkbox"/> 24 hour	<input type="checkbox"/> 72 hour	DATE	TIME	COMP	GRAB	PRESERV	NUMBER																				
<input type="checkbox"/> 48 hour	<input type="checkbox"/> 96 hour																										
<input checked="" type="checkbox"/> 8 day																											

Relinquished by: J Herman Date 8/15/05 Time 11:30 Received by: _____ Time _____

Relinquished by: _____ Date _____ Time _____ Received by TestAmerica: [Signature] 8/16/05 Time 2:00

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

TestAmerica

ANALYTICAL TESTING CORPORATION

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

October 05, 2005

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

Work Order: NOI2587
Project Name: Exxon 7-0238 PO:4505891267
Project Nbr: 2293-11X
Date Received: 09/27/05

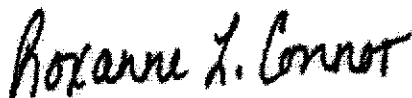
SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
A-INF	NOI2587-01	09/23/05 12:30
A-EFF	NOI2587-02	09/23/05 12:00

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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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: NOI2587
 Project Name: Exxon 7-0238 PO:4505891267
 Project Number: 2293-11X
 Received: 09/27/05 07:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NOI2587-01 (A-INF - Air) Sampled: 09/23/05 12:30									
BTEX in Air by GC/PID									
Methyl tert-Butyl Ether	0.902		mg/m3	0.500	1	09/27/05 17:08	EPA 18	Sys	5094078
Benzene	1.78		mg/m3	0.500	1	09/27/05 17:08	EPA 18	Sys	5094078
Toluene	ND		mg/m3	0.500	1	09/27/05 17:08	EPA 18	Sys	5094078
Ethylbenzene	ND		mg/m3	0.500	1	09/27/05 17:08	EPA 18	Sys	5094078
Xylenes, total	ND		mg/m3	1.50	1	09/27/05 17:08	EPA 18	Sys	5094078
C4 - C10 Hydrocarbons	44.8		mg/m3	5.00	1	09/27/05 17:08	EPA 18	Sys	5094078

Sample ID: NOI2587-02 (A-EFF - Air) Sampled: 09/23/05 12:00

BTEX in Air by GC/PID

Methyl tert-Butyl Ether	ND		mg/m3	0.500	1	09/27/05 17:38	EPA 18	Sys	5094078
Benzene	ND		mg/m3	0.500	1	09/27/05 17:38	EPA 18	Sys	5094078
Toluene	ND		mg/m3	0.500	1	09/27/05 17:38	EPA 18	Sys	5094078
Ethylbenzene	ND		mg/m3	0.500	1	09/27/05 17:38	EPA 18	Sys	5094078
Xylenes, total	ND		mg/m3	1.50	1	09/27/05 17:38	EPA 18	Sys	5094078
C4 - C10 Hydrocarbons	ND		mg/m3	5.00	1	09/27/05 17:38	EPA 18	Sys	5094078

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

Work Order: NOI2587
Project Name: Exxon 7-0238 PO:4505891267
Project Number: 2293-11X
Received: 09/27/05 07:45

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
BTEX in Air by GC/PID						
5094078-BLK1						
Methyl tert-Butyl Ether	<0.210		mg/m3	5094078	5094078-BLK1	09/27/05 14:43
Benzene	<0.270		mg/m3	5094078	5094078-BLK1	09/27/05 14:43
Toluene	<0.190		mg/m3	5094078	5094078-BLK1	09/27/05 14:43
Ethylbenzene	<0.190		mg/m3	5094078	5094078-BLK1	09/27/05 14:43
Xylenes, total	<0.500		mg/m3	5094078	5094078-BLK1	09/27/05 14:43
C4 - C10 Hydrocarbons	<1.85		mg/m3	5094078	5094078-BLK1	09/27/05 14:43

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

Work Order: NOI2587
 Project Name: Exxon 7-0238 PO:4505891267
 Project Number: 2293-11X
 Received: 09/27/05 07:45

PROJECT QUALITY CONTROL DATA
 LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
BTEX in Air by GC/PID								
5094078-BS1								
Methyl tert-Butyl Ether	15.2	14.1		mg/m3	93%	70 - 130	5094078	09/28/05 08:15
Benzene	16.2	15.3		mg/m3	94%	70 - 130	5094078	09/28/05 08:15
Toluene	19.0	20.7		mg/m3	109%	70 - 130	5094078	09/28/05 08:15
Ethylbenzene	22.0	22.5		mg/m3	102%	70 - 130	5094078	09/28/05 08:15
Xylenes, total	65.8	68.2		mg/m3	104%	70 - 130	5094078	09/28/05 08:15
C4 - C10 Hydrocarbons	208	225		mg/m3	108%	70 - 130	5094078	09/28/05 08:15

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

Work Order: NOI2587
 Project Name: Exxon 7-0238 PO:4505891267
 Project Number: 2293-11X
 Received: 09/27/05 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
BTEX in Air by GC/PID										
5094078-MS1										
Methyl tert-Butyl Ether	0.902	16.1		mg/m3	15.2	100%	70 - 130	5094078	NOI2587-01	09/27/05 18:07
Benzene	1.78	16.3		mg/m3	16.2	90%	70 - 130	5094078	NOI2587-01	09/27/05 18:07
Toluene	ND	24.1		mg/m3	19.0	127%	70 - 130	5094078	NOI2587-01	09/27/05 18:07
Ethylbenzene	0.346	20.0		mg/m3	22.0	89%	70 - 130	5094078	NOI2587-01	09/27/05 18:07
Xylenes, total	1.27	59.9		mg/m3	65.8	89%	70 - 130	5094078	NOI2587-01	09/27/05 18:07
C4 - C10 Hydrocarbons	44.8	267		mg/m3	208	107%	70 - 130	5094078	NOI2587-01	09/27/05 18:07

TestAmerica

ANALYTICAL TESTING CORPORATION

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

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

Work Order: NOI2587
Project Name: Exxon 7-0238 PO:4505891267
Project Number: 2293-11X
Received: 09/27/05 07:45

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: NOI2587
Project Name: Exxon 7-0238 PO:4505891267
Project Number: 2293-11X
Received: 09/27/05 07:45

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



COOLER RECEIPT FORM

BC#

NOI2587

Client Name : ERI

Cooler Received/Opened On: 9/27/05 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:

1972
Fed-Ex UPS Velocity DHL Route Off-street Misc.

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

ATTACHMENT C

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

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

Rev. JO'C

Rev. 4/29/97

**POUNDS OF HYDROCARBON IN 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 H₂O) (use {-} for vacuum)
- 3) Vapor temperature at the flow measuring device.
- 4) Hydrocarbon content of vapor (usually in mg/M³) for ppmv you need molecular weight.
- 5) Length of time (usually hours) over which flow rate occurred)

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

ASSUMPTIONS:

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

SAMPLE DATA AND CALCULATIONS

Date						
1/6/95 11:00	70	-46	2000	120		
1/7/95 13:00	55	-50	1350	90		
1/8/95 10:00	80	-13	750	100	7.4	

Calculate the pounds of hydrocarbon removed from the system during the basis period from 13:00 (1:00 pm) on the 7th to 10 am on the 8th. Pressure and temperature of the measurements (at the flow meter) must be corrected to the P and T used to report the HC concentration (which are P = 1 atm and T = 70 deg F). 1 atm = 14.7psia, 760 mm Hg, or 407 in H₂O. T_{abs} = 460 + T deg F

Hours of operation = 21, T = 80, P = -13, HC = (1350+750)/2 = 1050 mg/M³ 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 x 60 x 95 x 0.98 x 0.97 x 0.0283 x 1.050 x 1/454 = 7.4 lb.
cumulative lbs. (the running total) = the sum of all the previous periods.

Note: If results are given in ppm, an assumption about the molecular weight of the hydrocarbon must be made to get mg/M³. ppmv x molecular wt. /24.1 = mg/M³. (Use 102 for gasoline).