**ExxonMobil**
**Refining & Supply Company**
Global Remediation

4096 Piedmont Avenue #194
Oakland, California 94611
510.547.8196
510.547.8706 Fax
jennifer.c.sedlachek@exxonmobil.com

**Jennifer C. Sedlachek**
Project Manager

RO 449



ExxonMobil
*Refining & Supply*



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 #7-0104/1725 Park Street, Alameda, California.**

Dear Mr. Gholami:

Attached for your review and comment is a copy of the letter report entitled ***Groundwater Monitoring and Remediation Status 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, sampling, and remedial 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 and Remediation Status Report, Third Quarter 2005, dated January 19, 2006.

cc: w/ attachment
Mr. Stephen Hill, California Regional 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 250613.Q053



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

**SUBJECT** Groundwater Monitoring and Remediation Status Report, Third Quarter 2005
Former Exxon Service Station 7-0104
1725 Park Street, Alameda, California

## INTRODUCTION

At the request of Exxon Mobil Corporation (Exxon Mobil), Environmental Resolutions, Inc. (ERI) performed third quarter 2005 groundwater monitoring and sampling and remedial activities at the subject site. This report covers activities from June 14, 2005, to September 12, 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:** | | 09/12/05 |
| **Wells gauged and sampled:** | | MW1 through MW9, MW11, EW1, EW3, EW5 |
| **Remediation system status on sampling date:** | | GET system active; AS/SVE system active |
| **Presence of NAPL:** | | Not observed |
| **Concurrently sampled:** | | Shell-branded service station (former XTRA Oil Company station), 1701 Park Street, Alameda, |
| **Data provided by:** | | ALISTO Engineering Group, Walnut Creek, California |
| **Laboratory:** | | TestAmerica Incorporated, Nashville, Tennessee |
| **Analyses performed:** | EPA Method 8015B | TPHd, TPHg |
| | EPA Method 8021B | BTEX |
| | EPA Method 8260B | MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE, Ethanol |
| **Waste disposal:** | | 155 gallons purge and decon water transferred to the GET system on 09/12/05 |

## REMEDIATION SYSTEM SUMMARY

### Groundwater Extraction and Treatment – Prior Systems

A groundwater extraction and treatment (GET) system operated at the site from October 1994 to March 2000. The system was retrofitted and again operated from June 2002 to February 2004. A maximum of 32.2 pounds of TPHg, 4.92 pounds of benzene, and 7.71 pounds of MTBE were removed by the GET system during its periods of operation.

### Air Sparge/Soil Vapor Extraction – Prior Systems

An air sparge/soil vapor extraction (AS/SVE) system operated at the site from February 1998 to March 2000. The AS/SVE system was retrofitted and again operated from June 2000 to February 2004. A maximum of 1,022.4 pounds of TPHg and 11.81 pounds of benzene were removed by the AS/SVE system during its periods of operation.

### Systems Retrofit – 2005

ERI retrofitted the GET and AS/SVE systems again in 2005. ERI modified the SVE system to use an 8.45-horsepower regenerative blower (Siemens 2BH1 800-7A) capable of producing 360 standard cubic feet per minute (scfm). ERI also modified groundwater extraction wells EW1 through EW5 to simultaneously extract soil vapor and pump and treat groundwater; however, well EW5 is not currently used. Other components and processes of the systems remain unchanged. The retrofitted system began continuous operation on June 27, 2005.

#### Current GET System Configuration

The GET system operates in conjunction with the AS/SVE system to pump down the groundwater table, expose impacted soil, and address dissolved-phase hydrocarbons in groundwater. Groundwater is currently extracted from wells EW1 through EW4 using pneumatic pumps and is directed to a holding tank. Water is periodically transferred from the holding tank through a particulate filter and three 500-pound granular activated carbon (GAC) vessels connected in series prior to discharge to the sanitary sewer under permit through East Bay Municipal Utilities District (EBMUD). The volume of discharged groundwater is recorded using a totalizing flow meter.

#### Current AS/SVE System Configuration

The current air AS/SVE system consists of a regenerative blower, a moisture separator, three vapor-phase 500-pound GAC vessels connected in series, an exhaust stack for discharge to the atmosphere, and associated monitoring instrumentation. The 500-pound GAC vessels have a maximum flow capacity of 300 scfm. Water generated in the moisture separator is pumped to the GET system.

An oil-less air compressor is available for air sparging (subsurface air injection), through a trench in the vicinity of the extraction wells to help volatilize hydrocarbons suspended in soil. Air sparging is not currently performed but is available for use in the future.

| | | |
|---|---|---|
| **System start-up dates:** | AS/SVE System | 2/16/98 |
| | GET System | 10/10/94 |
| **System discharge permits:** | AS/SVE System | BAAQMD Plant No. 8252 |
| | GET System | EBMUD Permit No. 50266631 |
| **System reporting period:** | | 06/27/05 – 09/09/05 |
| **System modifications during reporting period:** | | Added one 500-pound carbon vessel to AS/SVE system |
| **System status during reporting period:** | AS/SVE System | Active |
| | GET System | Active |
| **Laboratory:** | | |
| **Effluent analyses performed:** | AS/SVE System | |
| | EPA Method 18M | TPHd, MTBE, BTEX |
| | GET System | |
| | EPA Method 8015B | TPHg |
| | EPA Method 8021B | MTBE, BTEX |

**System Performance:**

AS/SVE System

| Period | Mass of TPHg Removed (Pounds) | Mass of Benzene Removed (Pounds) | Mass of MTBE Removed (Pounds) |
|---|---|---|---|
| 06/27/05 – 09/09/05 | 47.5 | 2.04 | <1.98 |
| To date: | <1,089.8 | <15.43 | <1.97 |

GET System

| Period | Volume of Groundwater Treated (gal) | Mass of TPHg Removed (pounds) | Mass of Benzene Removed (pounds) | Mass of MTBE Removed (pounds) |
|---|---|---|---|---|
| 06/27/05 – 09/09/05 | 178,790 | 2.21 | 0.01 | 2.15 |
| To date: | 1,436,360 | <34.5 | <4.94 | 9.876 |

## 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. Stephen Hill
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

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

## LIMITATIONS

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

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


Sincerely,
Environmental Resolutions, Inc.

Karen L. Navarro
Technical Writer

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 Air Sparge/Soil Vapor Extraction System |
| Table 4: | Operation and Performance Data for Groundwater Extraction and Treatment System |
| 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: | Summary of Groundwater Sampling Xtra Oil Company Service Station (ALISTO Engineering Group, September 12, 2005) |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW1 | 09/12/94 | 17.35 | 7.11 | 10.24 | NLPH | --- | 1,600a | --- | --- | 200 | 1.9 | 210 | 6.6 |
| MW1 | 10/01/94 | 17.35 | 7.44 | 9.91 | NLPH | --- | 1,400a | --- | --- | 200 | <0.5 | 160 | 6.6 |
| MW1 | 01/13/95 | 17.35 | 5.13 | 12.22 | NLPH | --- | 2,100a | --- | --- | 410b | 17 | 280b | 89 |
| MW1 | 04/27/95 | 17.35 | 6.57 | 10.78 | NLPH | --- | 4,700 | --- | --- | 460 | 41 | 340 | 270 |
| MW1 | 08/03/95 | 17.35 | 7.46 | 9.89 | NLPH | --- | 1,900 | 30 | --- | 140 | <5.0 | 160 | 9.9 |
| MW1 | 10/17/95 | 17.35 | 7.67 | 9.68 | NLPH | --- | 280 | 5.5 | --- | 6.2 | <0.5 | 13 | 0.75 |
| MW1 | 01/24/96 | 17.35 | 6.52 | 10.83 | NLPH | --- | 740 | 440 | --- | 21 | 1.4 | 38 | 3.1 |
| MW1 | 04/24/96 | 17.35 | 5.95 | 11.40 | NLPH | --- | 7,800 | 250 | --- | 200 | 110 | 1,000 | 740 |
| MW1 | 07/26/96 | 17.35 | 7.60 | 9.75 | NLPH | --- | 620 | 23 | --- | 8.0 | 0.99 | 26 | 1.0 |
| MW1 | 10/30/96 | 17.35 | 8.06 | 9.29 | NLPH | --- | 700 | 33 | --- | 14 | 2.9 | 85 | 3.5 |
| MW1 | 01/31/97 | 17.35 | 5.12 | 12.23 | NLPH | --- | 7,600 | <200 | --- | 420 | 33 | 1,400 | 480 |
| MW1 | 04/10/97 | 17.35 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW1 | 07/10/97 | 17.35 | 7.54 | 9.81 | NLPH | --- | 580 | 12 | --- | 10 | <0.5 | <0.5 | <0.5 |
| MW1 | 10/08/97 | 17.35 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW1 | 01/28/98 | 17.35 | 4.48 | 12.87 | NLPH | --- | 820 | --- | <2.5 | 110 | 2.8 | 170 | 14 |
| MW1 | 04/14/98 | 17.35 | 4.69 | 12.66 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW1 | 07/30/98 | 17.35 | 6.19 | 11.16 | NLPH | --- | 2,700 | 41 | --- | 210 | <5.0 | 550 | <5.0 |
| MW1 | 10/19/98 | 17.35 | 6.72 | 10.63 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW1 | 01/13/99 | 17.35 | 6.52 | 10.83 | NLPH | --- | 491 | 9.78 | --- | 8.0 | <0.5 | <0.5 | <0.5 |
| MW1 | 04/28/99 | 17.35 | 5.37 | 11.98 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW1 | 07/09/99 | 17.35 | 6.39 | 10.96 | NLPH | --- | 1,030 | 10.6 | --- | 114 | 8.07 | 184 | 0.644 |
| MW1 | 10/25/99 | 17.35 | 6.68 | 10.67 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW1 | 01/21/00 | 17.35 | 6.20 | 11.15 | NLPH | --- | <50 | 5.1 | --- | <1.0 | <1.0 | <1.0 | <1.0 |
| MW1 | 04/14/00 | 17.35 | 5.18 | 12.17 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW1 | 06/16/00 | 17.35 | Property transferred to Valero Refining Company. | | | | | | | | | | |
| MW1 | 07/05/00 | 17.35 | 5.93 | 11.42 | NLPH | --- | 88 | 200 | --- | 4.3 | <0.5 | 0.61 | <0.5 |
| MW1 | 10/03/00 | 17.35 | 6.51 | 10.84 | NLPH | --- | <50 | 240 | --- | 0.72 | <0.5 | <0.5 | <0.5 |
| MW1 | 01/02/01 | 17.35 | 6.17 | 11.18 | NLPH | --- | <50 | 68 | --- | 0.75 | <0.5 | <0.5 | <0.5 |
| MW1 | 04/02/01 | 17.35 | 7.42 | 9.93 | NLPH | --- | 140 | 4.3 | --- | <0.5 | <0.5 | 4.1 | 1.1 |
| MW1 | 07/02/01 | 17.35 | 6.27 | 11.08 | NLPH | --- | 74 | 14 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW1 | 10/15/01 | 17.35 | 6.64 | 10.71 | NLPH | --- | 110 | 83 | --- | 2.6 | <0.5 | <0.5 | <0.5 |
| MW1 | Nov-01 | 17.29 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| MW1 | 02/04/02 | 17.29 | 5.08 | 12.21 | NLPH | 52.0 | 75.0 | 67.1 | --- | 0.70 | <0.50 | 0.50 | <0.50 |
| MW1 | 05/06/02 | 17.29 | 5.48 | 11.81 | NLPH | 129 | 793 | 702.0 | 1004.0 | 8.6 | <0.5 | 0.5 | 1.1 |
| MW1 | 08/22/02 | 17.29 | 7.14 | 10.15 | NLPH | 602 | 1,150 | 181 | --- | 120 | 0.8 | 9.0 | 3.6 |
| MW1 | 11/08/02 | 17.29 | 6.19 | 11.10 | NLPH | 504 | 947 | 182 | --- | 95.6 | 4.0 | 3.7 | 2.7 |
| MW1 | 02/07/03 | 17.29 | 6.00 | 11.29 | NLPH | 610 | 1,190 | 284 | --- | 89.7 | 3.8 | 45.3 | 13.2 |
| MW1 | 05/02/03 | 17.29 | 5.76 | 11.53 | NLPH | 797 | 1,020 | 296 | --- | 75.8 | 9.0 | 5.7 | 11.9 |
| MW1 | 08/14/03 | 17.29 | 7.04 | 10.25 | NLPH | 531d | 822 | 201 | --- | 33.9 | 2.8 | 1.5 | 1.9 |
| MW1 | 11/14/03 | 17.29 | 6.41 | 10.88 | NLPH | 560d | 574 | 276 | --- | 19.8 | 1.8 | 2.0 | 2.2 |
| MW1 | 03/01/04 | 17.29 | 4.63 | 12.66 | NLPH | 785d | 1,430 | --- | 895 | 46.2 | 3.1 | 14.2 | 9.2 |
| MW1 | 06/15/04 | 17.29 | 6.05 | 11.24 | NLPH | 204d | 621 | 668 | --- | 11.1 | <0.5 | <0.5 | <0.5 |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW1 | 09/13/04 | 17.29 | 6.62 | 10.67 | NLPH | 221d | 754 | 479 | --- | 34.4 | 1.5 | 1.1 | 1.2 |
| MW1 | 12/22/04 | 17.29 | 5.67 | 11.62 | NLPH | 288d, f | 775 | 253 | --- | 38.8 | 1.0 | 1.8 | 0.8 |
| MW1 | 03/24/05 | 17.29 | 4.63 | 12.66 | NLPH | 471d | 952 | --- | 120 | 41.6 | 1.4 | 12.8 | 6.0 |
| MW1 | 06/14/05 | 17.29 | 5.55 | 11.74 | NLPH | 695d | 605 | --- | 91 | 37.9 | 2.5 | 2.6 | 2.5 |
| **MW1** | **09/12/05** | **17.29** | **8.16** | **9.13** | **NLPH** | **280d** | **1,410** | **---** | **4,780** | **1.43** | **<0.50** | **0.82** | **1.08** |
| MW2 | 09/12/94 | 16.67 | 6.71 | 9.96 | NLPH | --- | 31,000a | --- | --- | 4,400 | 120 | 1,700 | 2,100 |
| MW2 | 10/01/94 | 16.67 | 7.22 | 9.45 | NLPH | --- | 45,000a | --- | --- | 4,500 | 250 | 1,800 | 2,400 |
| MW2 | 01/13/95 | 16.67 | 4.46 | 12.21 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW2 | 04/27/95 | 16.67 | 6.92 | 9.75 | NLPH | --- | 44,000 | --- | --- | 7,000 | 840 | 2,400 | 3,400 |
| MW2 | 08/03/95 | 16.67 | 6.96 | 9.71 | NLPH | --- | 30,000 | 37,000 | --- | 4,600 | 170 | 1,600 | 1,100 |
| MW2 | 10/17/95 | 16.67 | 7.83 | 8.84 | NLPH | --- | 45,000 | 14,000 | --- | 5,400 | 190 | 2,000 | 1,500 |
| MW2 | 01/24/96 | 16.67 | 6.45 | 10.22 | NLPH | --- | 30,000 | 4,100 | --- | 5,000 | 810 | 2,200 | 2,200 |
| MW2 | 04/24/96 | 16.67 | 6.00 | 10.67 | NLPH | --- | 34,000 | 22,000 | --- | 8,700 | 410 | 2,200 | 2,000 |
| MW2 | 07/26/96 | 16.67 | 7.14 | 9.53 | NLPH | --- | 40,000 | 18,000 | --- | 10,000 | <200 | 1,800 | 760 |
| MW2 | 10/30/96 | 16.67 | 6.95 | 9.72 | NLPH | --- | 43,000 | 18,000 | --- | 9,100 | <250 | 2,400 | 730 |
| MW2 | 01/31/97 | 16.67 | 5.07 | 11.60 | NLPH | --- | 28,000 | 8,000 | --- | 2,400 | 630 | 1,500 | 3,300 |
| MW2 | 04/10/97 | 16.67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW2 | 07/10/97 | 16.67 | 7.34 | 9.33 | NLPH | --- | 18,000 | 2,600 | --- | 2,900 | 82 | 1,500 | 530 |
| MW2 | 10/08/97 | 16.67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW2 | 01/28/98 | 16.67 | 4.46 | 12.21 | NLPH | --- | 29,000 | --- | 28,000 | 5,600 | 410 | 1,500 | 720 |
| MW2 | 04/14/98 | 16.67 | 4.48 | 12.19 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW2 | 07/30/98 | 16.67 | 6.01 | 10.66 | NLPH | --- | 24,000 | 6,300 | --- | 7,500 | <200 | 1,300 | 280 |
| MW2 | 10/19/98 | 16.67 | 6.35 | 10.32 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW2 | 01/13/99 | 16.67 | 6.54 | 10.13 | NLPH | --- | 18,400 | 2,200 | --- | 4,750 | 211 | 1,760 | 45.3 |
| MW2 | 04/28/99 | 16.67 | 5.54 | 11.13 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW2 | 07/09/99 | 16.67 | 6.45 | 10.22 | NLPH | --- | 14,100 | 3,410 | --- | 4,270 | 80.1 | 1,300 | 339 |
| MW2 | 10/25/99 | 16.67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW2 | 01/21/00 | 16.67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW2 | 02/11/00 | 16.67 | --- | --- | NLPH | --- | <50 | 15 | --- | <1.0 | <1.0 | <1.0 | <1.0 |
| MW2 | 04/14/00 | 16.67 | 4.69 | 11.98 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW2 | 06/16/00 | 16.67 | Property transferred to Valero Refining Company. | | | | | | | | | | |
| MW2 | 07/05/00 | 16.67 | 5.44 | 11.23 | NLPH | --- | 150 | 86 | --- | 15 | <0.5 | 6.2 | 2.8 |
| MW2 | 10/03/00 | 16.67 | 6.31 | 10.36 | NLPH | --- | 200 | 2,500 | --- | 35 | 0.51 | 5.1 | 12 |
| MW2 | 01/02/01 | 16.67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW2 | 04/02/01 | 16.67 | 5.00 | 11.67 | NLPH | --- | <50 | 680 | --- | 3.6 | <0.5 | <0.5 | <0.5 |
| MW2 | 07/02/01 | 16.67 | 5.62 | 11.05 | NLPH | --- | 1,400 | 890 | --- | 13 | 1.1 | <0.5 | 1.1 |
| MW2 | 10/15/01 | 16.67 | 7.55 | 9.12 | NLPH | --- | 620 | 1,900 | --- | 190 | 3.5 | 4.5 | 7 |
| MW2 | Nov-01 | 16.39 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| MW2 | 02/04/02 | 16.39 | 4.71 | 11.68 | NLPH | 69.0 | 122 | 7.10 | --- | 31.4 | 5.40 | 9.10 | 10.4 |
| MW2 | 05/06/02 | 16.39 | 5.08 | 11.31 | NLPH | 252 | 1,250 | 646 | 958 | 125 | 22.5 | 68.2 | 63.1 |
| MW2 | 08/22/02 | 16.39 | 6.88 | 9.51 | NLPH | 178 | 1,270 | 652 | --- | 269 | <0.5 | 4.3 | 10.6 |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW2 | 11/08/02 | 16.39 | 6.20 | 10.19 | NLPH | 83 | 158 | 177 | --- | 14.0 | 0.7 | 0.6 | 1.0 |
| MW2 | 02/07/03 | 16.39 | 5.72 | 10.67 | NLPH | <50 | 173 | 78.1 | --- | 43.1 | 3.4 | 4.5 | 5.5 |
| MW2 | 05/02/03 | 16.39 | 4.18 | 12.21 | NLPH | 56 | 60.0 | 50.5 | --- | 4.10 | <0.5 | 0.6 | 1.4 |
| MW2 | 08/14/03 | 16.39 | 6.00 | 10.39 | NLPH | 62d | 1,080 | 506 | --- | 143 | 1.1 | 0.7 | 2.0 |
| MW2 | 11/14/03 | 16.39 | 5.81 | 10.58 | NLPH | 132d | 362 | 93.9 | --- | 74.0 | 0.6 | 1.6 | 3.7 |
| MW2 | 03/01/04 | 16.39 | 3.86 | 12.53 | NLPH | <100 | <50.0 | --- | 1.40 | 4.80 | 1.1 | 1.1 | 5.1 |
| MW2 | 06/15/04 | 16.39 | 5.30 | 11.09 | NLPH | <50 | <50.0 | 1.1 | --- | 2.00 | 2.5 | 0.5 | 3.3 |
| MW2 | 09/13/04 | 16.39 | 5.81 | 10.58 | NLPH | 57d | <50.0 | 10.7 | --- | 1.60 | <0.5 | <0.5 | 2.5 |
| MW2 | 12/22/04 | 16.39 | 5.17 | 11.22 | NLPH | 69d, f | <50.0 | 0.9 | --- | 0.70 | <0.5 | <0.5 | 0.8 |
| MW2 | 03/24/05 | 16.39 | 3.81 | 12.58 | NLPH | 78d | 54.0 | --- | 0.80 | 6.30 | 0.5 | 1.1 | 1.5 |
| MW2 | 06/14/05 | 16.39 | 4.89 | 11.50 | NLPH | 84d | <50.0 | --- | <0.50 | 1.00 | <0.5 | <0.5 | <0.5 |
| **MW2** | **09/12/05** | **16.39** | **7.26** | **9.13** | **NLPH** | **65.2d** | **152** | **---** | **15.1** | **2.94** | **<0.50** | **<0.50** | **<0.50** |
| MW3 | 09/12/94 | 17.11 | 6.58 | 10.53 | NLPH | --- | 3,100a | --- | --- | 580 | 8 | 340 | 100 |
| MW3 | 10/01/94 | 17.11 | 6.85 | 10.26 | NLPH | --- | 3,800a | --- | --- | 640 | 11 | 230 | 130 |
| MW3 | 01/13/95 | 17.11 | 5.27 | 11.84 | NLPH | --- | 3,800a | --- | --- | 690 | 24 | 210 | 130 |
| MW3 | 04/27/95 | 17.11 | 6.05 | 11.06 | NLPH | --- | 7,500 | --- | --- | 940 | 35 | 810 | 530 |
| MW3 | 08/03/95 | 17.11 | 6.71 | 10.40 | NLPH | --- | 1,900 | 24 | --- | 380 | <5.0 | 140 | 45 |
| MW3 | 10/17/95 | 17.11 | 7.46 | 9.65 | NLPH | --- | 6,100 | <5.0 | --- | 950 | 29 | 230 | 190 |
| MW3 | 01/24/96 | 17.11 | 5.83 | 11.28 | NLPH | --- | 3,000 | <100 | --- | 730 | 15 | 190 | 110 |
| MW3 | 04/24/96 | 17.11 | 5.38 | 11.73 | NLPH | --- | 11,000 | <100 | --- | 1,200 | 130 | 1,000 | 1,400 |
| MW3 | 07/26/96 | 17.11 | 6.80 | 10.31 | NLPH | --- | 2,500 | 250 | --- | 800 | 16 | 24 | 56 |
| MW3 | 10/30/96 | 17.11 | 7.20 | 9.91 | NLPH | --- | 5,200 | 2,900 | --- | 1,300 | 28 | 170 | 180 |
| MW3 | 01/31/97 | 17.11 | 4.31 | 12.80 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 04/10/97 | 17.11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 07/10/97 | 17.11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 10/08/97 | 17.11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 01/28/98 | 17.11 | 4.03 | 13.08 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 04/14/98 | 17.11 | 3.80 | 13.31 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 07/30/98 | 17.11 | 5.84 | 11.27 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 10/19/98 | 17.11 | 6.25 | 10.86 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 01/13/99 | 17.11 | 6.14 | 10.97 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 04/28/99 | 17.11 | 4.95 | 12.16 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 07/09/99 | 17.11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 10/25/99 | 17.11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 01/21/00 | 17.11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 04/14/00 | 17.11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 06/16/00 | 17.11 | Property transferred to Valero Refining Company. | | | | | | | | | | |
| MW3 | 07/05/00 | 17.11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 10/03/00 | 17.11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 01/02/01 | 17.11 | 5.78 | 11.33 | NLPH | 560c | 2,700 | 3,100 | --- | 1300 | 8.8 | 11 | 21.3 |
| MW3 | 04/02/01 | 17.11 | 4.71 | 12.40 | NLPH | 620 | 3,700 | 1,400 | --- | 1,400 | 11 | 36 | 21 |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW3 | 07/02/01 | 17.11 | 5.82 | 11.29 | NLPH | 880 | 5,300 | 1,200 | --- | 1,300 | 32 | 30 | 730 |
| MW3 | 10/15/01 | 17.11 | 6.12 | 10.99 | NLPH | 210d | 2,300 | 1,800 | --- | 630 | 2.5 | 8.2 | 3.34 |
| MW3 | Nov-01 | 17.02 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| MW3 | 02/04/02 | 17.02 | 4.59 | 12.43 | NLPH | 402 | 8,830 | 1,420 | --- | 2,300 | 166 | 150 | 158 |
| MW3 | 05/06/02 | 17.02 | 4.84 | 12.18 | NLPH | 1,300 | 7,950 | 544 | 967 | 1,930 | 18.0 | 80.0 | 648 |
| MW3 | 08/22/02 | 17.02 | 6.42 | 10.60 | NLPH | 416 | 2,270 | 298 | --- | 506 | 3.5 | 8.0 | 6.5 |
| MW3 | 11/08/02 | 17.02 | 5.66 | 11.36 | NLPH | 193 | 1,640 | 470 | --- | 330 | 1.8 | 4.9 | 2.7 |
| MW3 | 02/07/03 | 17.02 | 4.99 | 12.03 | NLPH | 800 | 1,360 | 662 | --- | 328 | 6.5 | 9.0 | 35.0 |
| MW3 | 05/02/03 | 17.02 | 4.73 | 12.29 | NLPH | 562 | 2,500 | 300 | --- | 306 | 4.8 | 17.5 | 29.1 |
| MW3 | 08/14/03 | 17.02 | 6.02 | 11.00 | NLPH | 227d | 2,040 | 367 | --- | 356 | 3.4 | 3.9 | 3.2 |
| MW3 | 11/14/03 | 17.02 | 6.01 | 11.01 | NLPH | 280d | 1,880 | 794 | --- | 244 | 2.6 | 3.7 | 4.5 |
| MW3 | 03/01/04 | 17.02 | 3.71 | 13.31 | NLPH | 484d | 3,660 | --- | 288 | 865 | 11.5 | 22.5 | 20.5 |
| MW3 | 06/15/04 | 17.02 | 5.28 | 11.74 | NLPH | 866d | 9,980 | 160 | --- | 1,120 | 82.0 | 86.0 | 1,740 |
| MW3 | 09/13/04 | 17.02 | 5.91 | 11.11 | NLPH | 390d | 1,640 | 183 | --- | 454 | 4.8 | 6.7 | 6.8 |
| MW3 | 12/22/04 | 17.02 | 4.88 | 12.14 | NLPH | 209d, f | 1,770 | 44.9 | --- | 230 | 2.8 | 8.2 | 9.2 |
| MW3 | 03/24/05 | 17.02 | 3.59 | 13.43 | NLPH | 808d | 4,800 | --- | 128 | 930 | 45.1 | 59.6 | 425 |
| MW3 | 06/14/05 | 17.02 | 4.71 | 12.31 | NLPH | 1,440d | 6,080 | --- | 144 | 1,330 | 34.0 | 39.0 | 217 |
| **MW3** | **09/12/05** | **17.02** | **7.03** | **9.99** | **NLPH** | **417d** | **1,480** | **---** | **114** | **447** | **4.48** | **8.40** | **13.9** |
| MW4 | 09/12/94 | 17.34 | 6.80 | 10.54 | NLPH | --- | 5,200a | --- | --- | 900 | 57 | 310 | 490 |
| MW4 | 10/01/94 | 17.34 | 7.09 | 10.25 | NLPH | --- | 9,100a | --- | --- | 1,200 | 66 | 360 | 380 |
| MW4 | 01/13/95 | 17.34 | 4.66 | 12.68 | NLPH | --- | 25,000a | --- | --- | 1,300 | 200 | 550 | 1,000 |
| MW4 | 04/27/95 | 17.34 | 5.54 | 11.80 | NLPH | --- | 5,900 | --- | --- | 650 | 130 | 350 | 590 |
| MW4 | 08/03/95 | 17.34 | 6.92 | 10.42 | NLPH | --- | 4,200 | 5,700 | --- | 1,000 | <12 | 170 | 140 |
| MW4 | 10/17/95 | 17.34 | 7.50 | 9.84 | NLPH | --- | 6,900 | 1,700 | --- | 1,300 | 30 | 360 | 380 |
| MW4 | 01/24/96 | 17.34 | 5.81 | 11.53 | NLPH | --- | 6,300 | 830 | --- | 1,900 | 46 | 290 | 330 |
| MW4 | 04/24/96 | 17.34 | 5.44 | 11.90 | NLPH | --- | 5,000 | 1,600 | --- | 1,800 | <20 | 190 | 130 |
| MW4 | 07/26/96 | 17.34 | 7.03 | 10.31 | NLPH | --- | 9,100 | 1,200 | --- | 1,700 | <25 | 340 | 280 |
| MW4 | 10/30/96 | 17.34 | 7.57 | 9.77 | NLPH | --- | 5,300 | 1,500 | --- | 1,100 | 35 | 420 | 300 |
| MW4 | 01/31/97 | 17.34 | 4.22 | 13.12 | NLPH | --- | 6,500 | 40,000 | --- | 1,200 | 28 | 490 | 130 |
| MW4 | 04/10/97 | 17.34 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW4 | 07/10/97 | 17.34 | 7.56 | 9.78 | NLPH | --- | 10,000 | 11,000 | --- | 1,100 | 120 | 470 | 720 |
| MW4 | 10/08/97 | 17.34 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW4 | 01/28/98 | 17.34 | 3.70 | 13.64 | NLPH | --- | 1,700 | --- | 4,900 | 450 | 6.8 | 220 | 73 |
| MW4 | 04/14/98 | 17.34 | 3.81 | 13.53 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW4 | 07/30/98 | 17.34 | 5.96 | 11.38 | NLPH | --- | 2,900 | 2,800 | --- | 680 | <10 | 220 | 56 |
| MW4 | 10/19/98 | 17.34 | 6.51 | 10.83 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW4 | 01/13/99 | 17.34 | 6.24 | 11.10 | NLPH | --- | 2,140 | 1,800 | --- | 146 | <10 | 60.9 | 16.2 |
| MW4 | 04/28/99 | 17.34 | 4.80 | 12.54 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW4 | 07/09/99 | 17.34 | 6.04 | 11.30 | NLPH | --- | 1,300 | 1,310 | --- | 322 | <2.5 | 76.1 | <2.5 |
| MW4 | 10/25/99 | 17.34 | 6.51 | 10.83 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW4 | 01/21/00 | 17.34 | 5.75 | 11.59 | NLPH | --- | 2,200 | 1,000 | --- | 410 | 3.70 | 40 | 14.4 |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW4 | 04/14/00 | 17.34 | 4.39 | 12.95 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW4 | 06/16/00 | 17.34 | Property transferred to Valero Refining Company. | | | | | | | | | | |
| MW4 | 07/05/00 | 17.34 | 5.48 | 11.86 | NLPH | --- | 1,600 | 260 | --- | 400 | 3.9 | 100 | 84 |
| MW4 | 10/03/00 | 17.34 | 6.22 | 11.12 | NLPH | --- | 1,600 | 190 | --- | 280 | 2 | 64 | 34.10 |
| MW4 | 01/02/01 | 17.34 | 5.93 | 11.41 | NLPH | --- | 840 | 1,000 | --- | 210 | 2.5 | 45 | 28.10 |
| MW4 | 04/02/01 | 17.34 | 4.89 | 12.45 | NLPH | --- | 1,900 | 320 | --- | 340 | 8.5 | 110 | 116 |
| MW4 | 07/02/01 | 17.34 | 5.83 | 11.51 | NLPH | --- | 100 | <2 | --- | 3.9 | <0.5 | 0.65 | <0.5 |
| MW4 | 10/15/01 | 17.34 | 6.36 | 10.98 | NLPH | --- | 930 | 360 | --- | 140 | 7 | 24 | 10 |
| MW4 | Nov-01 | 17.29 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| MW4 | 02/04/02 | 17.29 | 4.35 | 12.94 | NLPH | 774 | 1,250 | 46.1 | --- | 124 | 4.40 | 46.7 | 43.5 |
| MW4 | 05/06/02 | 17.29 | 4.95 | 12.34 | NLPH | 776 | 2,040 | 1,410 | 2,120 | 165 | 5.0 | 42.0 | 39.0 |
| MW4 | 08/22/02 | 17.29 | 6.65 | 10.64 | NLPH | 445 | 1,570 | 1,070 | --- | 73.3 | <0.5 | 9.9 | 6.8 |
| MW4 | 11/08/02 | 17.29 | 5.60 | 11.69 | NLPH | 680 | 2,340 | 1,200 | --- | 169 | 4.3 | 34.9 | 23.3 |
| MW4 | 02/07/03 | 17.29 | 4.97 | 12.32 | NLPH | 429 | 2,250 | 672 | --- | 125 | 24.9 | 60.0 | 109 |
| MW4 | 05/02/03 | 17.29 | 4.92 | 12.37 | NLPH | 631 | 2,450 | 1,230 | --- | 82.9 | 2.8 | 26.4 | 24.7 |
| MW4 | 08/14/03 | 17.29 | 6.35 | 10.94 | NLPH | 444 | 1,160 | 286 | --- | 97.0 | 2.8 | 14.6 | 7.4 |
| MW4 | 11/14/03 | 17.29 | e | e | NLPH | e | e | e | e | e | e | e | e |
| MW4 | 03/01/04 | 17.29 | 3.65 | 13.64 | NLPH | 571d | 1,860 | --- | 66.7 | 104 | 4.4 | 38.3 | 25.4 |
| MW4 | 06/15/04 | 17.29 | 5.60 | 11.69 | NLPH | 453d | 632 | 35.0 | --- | 63.8 | 1.6 | 7.3 | 5.9 |
| MW4 | 09/13/04 | 17.29 | 6.23 | 11.06 | NLPH | 444d | 1,120 | 93.4 | --- | 126 | 3.9 | 17.8 | 9.7 |
| MW4 | 12/22/04 | 17.29 | 5.01 | 12.28 | NLPH | 561d, f | 1,600 | 31.2 | --- | 105 | 3.9 | 24.8 | 13.3 |
| MW4 | 03/24/05 | 17.29 | 3.64 | 13.65 | NLPH | 756d | 2,120 | --- | 255 | 94.9 | 4.9 | 44.6 | 32.3 |
| MW4 | 06/14/05 | 17.29 | 4.84 | 12.45 | NLPH | 992d | 1,760 | --- | 20.3 | 105 | 5.2 | 25.2 | 15.1 |
| **MW4** | **09/12/05** | **17.29** | **7.41** | **9.88** | **NLPH** | **351d** | **922** | **---** | **524** | **48.2** | **<0.50** | **1.63** | **1.70** |
| MW5 | 09/12/94 | 16.71 | 7.12 | 9.59 | NLPH | --- | 10,000a | --- | --- | 2,300 | 17 | 320 | 230 |
| MW5 | 10/01/94 | 16.71 | 7.06 | 9.65 | Sheen | --- | 11,000a | --- | --- | 2,300 | 19 | 220 | 200 |
| MW5 | 01/13/95 | 16.71 | 4.85 | 11.86 | Sheen | --- | --- | --- | --- | --- | --- | --- | --- |
| MW5 | 04/27/95 | 16.71 | 6.51 | 10.20 | NLPH | --- | 14,000 | --- | --- | 2,200 | 72 | 540 | 350 |
| MW5 | 08/03/95 | 16.71 | 7.24 | 9.47 | NLPH | --- | <10,000 | 39,000 | --- | 2,100 | <100 | 210 | <100 |
| MW5 | 10/17/95 | 16.71 | 7.80 | 8.91 | NLPH | --- | 13,000 | 38,000 | --- | 1,800 | 14 | 240 | 170 |
| MW5 | 01/24/96 | 16.71 | 6.66 | 10.05 | NLPH | --- | 10,000 | 20,000 | --- | 2,400 | 79 | 340 | 190 |
| MW5 | 04/24/96 | 16.71 | 5.80 | 10.91 | NLPH | --- | 13,000 | 33,000 | --- | 3,700 | 120 | 520 | 170 |
| MW5 | 07/26/96 | 16.71 | 7.67 | 9.04 | NLPH | --- | 15,000 | 140,000 | --- | 3,400 | 53 | 280 | 76 |
| MW5 | 10/30/96 | 16.71 | 7.77 | 8.94 | NLPH | --- | 10,000 | 110,000a | --- | 2,600 | 76 | 260 | 150 |
| MW5 | 01/31/97 | 16.71 | 4.90 | 11.81 | NLPH | --- | 10,000 | --- | 34,000 | 2,400 | 66 | 430 | 140 |
| MW5 | 04/10/97 | 16.71 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW5 | 07/10/97 | 16.71 | 7.65 | 9.06 | NLPH | --- | 9,800 | 36,000 | 52,000 | 1,400 | 120 | 190 | 120 |
| MW5 | 10/08/97 | 16.71 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW5 | 01/28/98 | 16.71 | 3.95 | 12.76 | NLPH | --- | 6,500 | --- | 15,000 | 1,500 | 34 | 73 | 57 |
| MW5 | 04/14/98 | 16.71 | 4.30 | 12.41 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW5 | 07/30/98 | 16.71 | 5.86 | 10.85 | NLPH | --- | 8,300 | 4,300 | --- | 1,700 | 26 | 110 | 66 |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW5 | 10/19/98 | 16.71 | 6.20 | 10.51 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW5 | 01/13/99 | 16.71 | 6.37 | 10.34 | NLPH | --- | 4,780 | 3,650 | --- | 1,240 | 11.1 | <10 | <10 |
| MW5 | 04/28/99 | 16.71 | 5.25 | 11.46 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW5 | 07/09/99 | 16.71 | 6.08 | 10.63 | NLPH | --- | 4,360 | 2,360 | --- | 1,780 | 18.6 | 45 | <5.0 |
| MW5 | 10/25/99 | 16.71 | 6.46 | 10.25 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW5 | 01/21/00 | 16.71 | 5.79 | 10.92 | NLPH | --- | 2,600 | 3,100 | --- | 720 | 4.7 | 25 | 11.3 |
| MW5 | 04/14/00 | 16.71 | 4.57 | 12.14 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW5 | 06/16/00 | 16.71 | Property transferred to Valero Refining Company. | | | | | | | | | | |
| MW5 | 07/05/00 | 16.71 | 5.37 | 11.34 | NLPH | --- | 5,100 | 380 | --- | 1,800 | 14 | 52 | 34 |
| MW5 | 10/03/00 | 16.71 | 5.93 | 10.78 | NLPH | --- | 5,800 | 630 | --- | 2,000 | 8.9 | 59 | 21 |
| MW5 | 01/02/01 | 16.71 | 5.68 | 11.03 | NLPH | --- | 4,800 | 1,100 | --- | 1,600 | 9.6 | 38 | 15 |
| MW5 | 04/02/01 | 16.71 | 4.87 | 11.84 | NLPH | --- | 6,800 | 1,500 | --- | 2,000 | 40 | 150 | 49 |
| MW5 | 07/02/01 | 16.71 | 5.77 | 10.94 | NLPH | --- | 4,100 | 960 | --- | 1,600 | 20 | 35 | 21 |
| MW5 | 10/15/01 | 16.71 | 6.15 | 10.56 | NLPH | --- | 3,900 | 1,000 | --- | 1,400 | 8.7 | 17 | 15.7 |
| MW5 | Nov-01 | 16.64 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| MW5 | 02/04/02 | 16.64 | 4.69 | 11.95 | NLPH | 976 | 4,380 | 620 | --- | 1,440 | 38.0 | 84.0 | 50.0 |
| MW5 | 05/06/02 | 16.64 | 5.00 | 11.64 | NLPH | 1,360 | 3,810 | 764 | 1,220 | 1,110 | 20.0 | 26.0 | 26.0 |
| MW5 | 08/22/02 | 16.64 | 6.98 | 9.66 | NLPH | 695 | 3,190 | 545 | --- | 823 | 9.0 | 11.0 | 31.0 |
| MW5 | 11/08/02 | 16.64 | 5.31 | 11.33 | NLPH | 645 | 3,360 | 746 | --- | 1,050 | 9.4 | 11.1 | 17.8 |
| MW5 | 02/07/03 | 16.64 | 5.75 | 10.89 | NLPH | 689 | 3,550 | 400 | --- | 1,100 | 25.0 | 65.0 | 29.0 |
| MW5 | 05/02/03 | 16.64 | 5.34 | 11.30 | NLPH | 934 | 4,070 | 439 | --- | 818 | 16.9 | 31.9 | 28.6 |
| MW5 | 08/14/03 | 16.64 | 6.37 | 10.27 | NLPH | 988d | 3,860 | 286 | --- | 912 | 15.6 | 16.2 | 24.0 |
| MW5 | 11/14/03 | 16.64 | 6.01 | 10.63 | NLPH | 1,000d | 3,450 | 198 | --- | 841 | 15.0 | 14.8 | 17.4 |
| MW5 | 03/01/04 | 16.64 | 4.04 | 12.60 | NLPH | 711d | 3,160 | --- | 52.7 | 767 | 21.5 | 32.5 | 26.5 |
| MW5 | 06/15/04 | 16.64 | 5.47 | 11.17 | NLPH | 600d | 4,520 | 52.0 | --- | 930 | 14.5 | 17.5 | 24.5 |
| MW5 | 09/13/04 | 16.64 | 5.99 | 10.65 | NLPH | 686d | 3,960 | 70.0 | --- | 998 | 12.0 | 14.0 | 20.0 |
| MW5 | 12/22/04 | 16.64 | 5.08 | 11.56 | NLPH | 1,200d, f | 3,110 | 52.6 | --- | 1,000 | 58.5 | 91.9 | 90.3 |
| MW5 | 03/24/05 | 16.64 | 3.85 | 12.79 | NLPH | 1,240d | 3,370 | --- | 30.7 | 962 | 24.3 | 80.5 | 80.0 |
| MW5 | 06/14/05 | 16.64 | 4.92 | 11.72 | NLPH | 1,640d | 4,210 | --- | 28.1 | 976 | 25.0 | 51.0 | 64.0 |
| **MW5** | **09/12/05** | **16.64** | **7.86** | **8.78** | **NLPH** | **780d** | **1,130** | **---** | **23.4** | **481** | **6.44** | **4.94** | **10.1** |
| MW6 | 09/12/94 | 17.56 | 6.88 | 10.68 | NLPH | --- | 1,500a | --- | --- | 150 | 4.4 | 170 | 85 |
| MW6 | 10/01/94 | 17.56 | 7.15 | 10.41 | NLPH | --- | 87a | --- | --- | 120 | <0.5 | 99 | 38 |
| MW6 | 01/13/95 | 17.56 | 4.80 | 12.76 | NLPH | --- | 9,900a | --- | --- | 710 | 220 | 780 | 1,100 |
| MW6 | 04/27/95 | 17.56 | 6.14 | 11.42 | NLPH | --- | 3,900 | --- | --- | 340 | 40 | 460 | 320 |
| MW6 | 08/03/95 | 17.56 | 6.83 | 10.73 | NLPH | --- | 1,100 | 65 | --- | 89 | <2.5 | 110 | 63 |
| MW6 | 10/17/95 | 17.56 | 7.66 | 9.90 | NLPH | --- | 8,500 | <5.0 | --- | 410 | 74 | 850 | 110 |
| MW6 | 01/24/96 | 17.56 | 5.86 | 11.70 | NLPH | --- | 31,000 | <5.0 | --- | 560 | 1,500 | 2,200 | 7,500 |
| MW6 | 04/24/96 | 17.56 | 5.39 | 12.17 | NLPH | --- | 15,000 | 280 | --- | 460 | 570 | 1,400 | 3,300 |
| MW6 | 07/26/96 | 17.56 | 6.97 | 10.59 | NLPH | --- | 27,000 | 1,300 | --- | 270 | 660 | 1,600 | 5,500 |
| MW6 | 10/30/96 | 17.56 | 7.45 | 10.11 | NLPH | --- | 28,000 | 900 | --- | 490 | 440 | 1,800 | 6,200 |
| MW6 | 01/31/97 | 17.56 | 4.30 | 13.26 | NLPH | --- | 7,000 | 770 | --- | 190 | 1,000 | 380 | 1,400 |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW6 | 04/10/97 | 17.56 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW6 | 07/10/97 | 17.56 | 7.57 | 9.99 | NLPH | --- | 6,800 | 1,100 | --- | 200 | <50 | 300 | 860 |
| MW6 | 10/08/97 | 17.56 | 7.48 | 10.08 | NLPH | --- | 51,000 | 580 | --- | 870 | 7,300 | 2,600 | 12,000 |
| MW6 | 01/28/98 | 17.56 | 3.74 | 13.82 | NLPH | --- | 15,000 | --- | 2,400 | 650 | 2,300 | 900 | 2,700 |
| MW6 | 04/14/98 | 17.56 | 3.92 | 13.64 | NLPH | --- | 25,000 | --- | 2,100 | 850 | 3,300 | 1,200 | 4,300 |
| MW6 | 07/30/98 | 17.56 | 6.09 | 11.47 | NLPH | --- | 5,900 | 910 | --- | 270 | 65 | 500 | 630 |
| MW6 | 10/19/98 | 17.56 | 6.56 | 11.00 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW6 | 01/13/99 | 17.56 | 6.35 | 11.21 | NLPH | --- | 3,150 | 422 | --- | 204 | 107 | 297 | 304 |
| MW6 | 04/28/99 | 17.56 | 4.89 | 12.67 | NLPH | --- | 15,300 | --- | 436 | 1,270 | 980 | 1,100 | 3,320 |
| MW6 | 07/09/99 | 17.56 | 6.07 | 11.49 | NLPH | --- | 1,140 | 439 | --- | 121 | 9.95 | 160 | 4.69 |
| MW6 | 10/25/99 | 17.56 | 6.11 | 11.45 | NLPH | --- | 2,200 | 3,400 | --- | 590 | <10 | 22 | 12.1 |
| MW6 | 01/21/00 | 17.56 | 5.86 | 11.70 | NLPH | --- | 1,300 | 1,000 | --- | 95 | 15 | 94 | 74 |
| MW6 | 04/14/00 | 17.56 | 4.29 | 13.27 | NLPH | --- | 13,000 | 420 | --- | 440 | 630 | 840 | 3,000 |
| MW6 | 06/16/00 | 17.56 | Property transferred to Valero Refining Company. | | | | | | | | | | |
| MW6 | 07/05/00 | 17.56 | 5.39 | 12.17 | NLPH | --- | 5,800 | 830 | --- | 1,000 | 13 | 550 | 798 |
| MW6 | 10/03/00 | 17.56 | 6.14 | 11.42 | NLPH | --- | 490 | 3,800 | --- | 61 | <0.5 | 74 | 12 |
| MW6 | 01/02/01 | 17.56 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW6 | 04/02/01 | 17.56 | 4.70 | 12.86 | NLPH | 400 | 16,000 | 450 | --- | 370 | 690 | 870 | 3,200 |
| MW6 | 07/02/01 | 17.56 | 8.73 | 8.83 | NLPH | 520 | 3,700 | 2,000 | --- | 330 | <5 | 160 | 32 |
| MW6 | 10/15/01 | 17.56 | 6.24 | 11.32 | NLPH | 1,100d | 27,000 | 790 | --- | <12 | <12 | <12 | <12 |
| MW6 | Nov-01 | 17.31 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| MW6 | 02/04/02 | 17.31 | 4.24 | 13.07 | NLPH | 168 | 14,800 | 545 | --- | 425 | 120 | 1,480 | 4,030 |
| MW6 | 05/06/02 | 17.31 | 4.83 | 12.48 | NLPH | 1,540 | 8,580 | 380 | 522.0 | 988 | 24.0 | 866 | 1,080 |
| MW6 | 08/22/02 | 17.31 | 6.49 | 10.82 | NLPH | 10,400 | 4,050 | 716 | --- | 44.5 | 11.5 | 460 | 270 |
| MW6 | 11/08/02 | 17.31 | 5.49 | 11.82 | NLPH | 822 | 5,640 | 1,150 | --- | 49.3 | 42.7 | 586 | 858 |
| MW6 | 02/07/03 | 17.31 | 4.89 | 12.42 | NLPH | 1,590 | 14,300 | 572 | --- | 134 | 393 | 1,000 | 3,720 |
| MW6 | 05/02/03 | 17.31 | 4.68 | 12.63 | NLPH | 1,550 | 8,880 | 1,560 | --- | 92.0 | 167 | 672 | 1,530 |
| MW6 | 08/14/03 | 17.31 | 6.15 | 11.16 | NLPH | 666d | 6,560 | 3,780 | --- | 28.2 | 5.3 | 133 | 184 |
| MW6 | 11/14/03 | 17.31 | 6.03 | 11.28 | NLPH | 338d | 5,370 | 4,520 | --- | 26.4 | 3.1 | 44.9 | 45.0 |
| MW6 | 03/01/04 | 17.31 | 3.60 | 13.71 | NLPH | 1,630d | 9,020 | --- | 134 | 223 | 265 | 546 | 1,700 |
| MW6 | 06/15/04 | 17.31 | 5.41 | 11.90 | NLPH | 521d | 6,920 | 3,470 | --- | 300 | 10.0 | 97.0 | 173 |
| MW6 | 09/13/04 | 17.31 | 6.06 | 11.25 | NLPH | 122d | 1,010 | 733 | --- | 23.0 | <5.0 | 11.0 | <5.0 |
| MW6 | 12/22/04 | 17.31 | 4.98 | 12.33 | NLPH | 884d, f | 4,050 | 75.4 | --- | 101 | 169 | 208 | 980 |
| MW6 | 03/24/05 | 17.31 | 3.59 | 13.72 | NLPH | 1,310d | 7,650 | --- | 129 | 460 | 46.0 | 365 | 1,240 |
| MW6 | 06/14/05 | 17.31 | 4.67 | 12.64 | NLPH | 895d | 1,940 | --- | 153 | 195 | 7.6 | 26.3 | 18.3 |
| **MW6** | **09/12/05** | **17.31** | **7.12** | **10.19** | **NLPH** | **182d** | **560** | **---** | **286** | **10.2** | **<0.50** | **<0.50** | **<0.50** |
| MW7 | 09/12/94 | 17.12 | 6.43 | 10.69 | NLPH | --- | 6,000a | --- | --- | 490 | 50 | 280 | 70 |
| MW7 | 10/01/94 | 17.12 | 6.71 | 10.41 | NLPH | --- | 8,900a | --- | --- | 940 | 670 | 310 | 160 |
| MW7 | 01/13/95 | 17.12 | 4.29 | 12.83 | NLPH | --- | 20,000a | --- | --- | 590 | 780 | 970 | 4,200 |
| MW7 | 04/27/95 | 17.12 | 5.00 | 12.12 | NLPH | --- | 8,800 | --- | --- | 410 | 32 | 410 | 230 |
| MW7 | 08/03/95 | 17.12 | 6.53 | 10.59 | NLPH | --- | 4,900 | 17,000 | --- | 390 | <50 | 290 | <50 |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104

1725 Park Street

Alameda, California



| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW7 | 10/17/95 | 17.12 | 7.23 | 9.89 | NLPH | --- | 6,700 | 17,000 | --- | 530 | 26 | 240 | 25 |
| MW7 | 01/24/96 | 17.12 | 5.26 | 11.86 | NLPH | --- | 9,300 | 60,000 | --- | 2,000 | 390 | 350 | 230 |
| MW7 | 04/24/96 | 17.12 | 5.06 | 12.06 | NLPH | --- | 9,000 | 360,000 | --- | 2,400 | 850 | 150 | 130 |
| MW7 | 07/26/96 | 17.12 | 6.62 | 10.50 | NLPH | --- | 4,800 | 86,000 | --- | 530 | 25 | 60 | 46 |
| MW7 | 10/30/96 | 17.12 | 7.09 | 10.03 | NLPH | --- | 3,400 | 28,000 | --- | 180 | 9.8 | 58 | 38 |
| MW7 | 01/31/97 | 17.12 | 3.65 | 13.47 | NLPH | --- | 3,800 | 45,000 | --- | 300 | 18 | 48 | 37 |
| MW7 | 04/10/97 | 17.12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW7 | 07/10/97 | 17.12 | 7.44 | 9.68 | NLPH | --- | 3,500 | 18,000 | --- | 70 | <25 | <25 | <25 |
| MW7 | 10/08/97 | 17.12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW7 | 01/28/98 | 17.12 | 3.06 | 14.06 | NLPH | --- | 100 | --- | 250 | 1.0 | <0.5 | <0.5 | 0.67 |
| MW7 | 04/14/98 | 17.12 | 3.10 | 14.02 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW7 | 07/30/98 | 17.12 | 5.78 | 11.34 | NLPH | --- | 100 | 670 | --- | 1.4 | <0.5 | <0.5 | <0.5 |
| MW7 | 10/19/98 | 17.12 | 6.25 | 10.87 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW7 | 01/13/99 | 17.12 | 5.98 | 11.14 | NLPH | --- | 273 | 530 | --- | <2.5 | <2.5 | <2.5 | <2.5 |
| MW7 | 04/28/99 | 17.12 | 4.32 | 12.80 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW7 | 07/09/99 | 17.12 | 5.67 | 11.45 | NLPH | --- | 139 | 860 | --- | 3.79 | 7.10 | 1.19 | 8.65 |
| MW7 | 10/25/99 | 17.12 | 6.23 | 10.89 | NLPH | --- | <50 | <1.0 | --- | <1.0 | <1.0 | <1.0 | <1.0 |
| MW7 | 01/21/00 | 17.12 | 5.41 | 11.71 | NLPH | --- | 410 | 500 | --- | 10 | 2.5 | <1.0 | 2.5 |
| MW7 | 04/14/00 | 17.12 | 3.84 | 13.28 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW7 | 06/16/00 | 17.12 | Property transferred to Valero Refining Company. | | | | | | | | | | |
| MW7 | 07/05/00 | 17.12 | 5.05 | 12.07 | NLPH | --- | 140 | 480 | --- | <0.5 | <0.5 | <0.5 | 0.56 |
| MW7 | 10/03/00 | 17.12 | 5.88 | 11.24 | NLPH | --- | 370 | 1,900 | --- | <0.5 | 0.62 | <0.5 | 3.20 |
| MW7 | 01/02/01 | 17.12 | 5.52 | 11.60 | NLPH | --- | 120 | 1,500 | --- | 2.2 | <0.5 | <0.5 | <0.5 |
| MW7 | 04/02/01 | 17.12 | 4.26 | 12.86 | NLPH | --- | 120 | 1,500 | --- | 0.91 | <0.5 | <0.5 | <0.5 |
| MW7 | 07/02/01 | 17.12 | 5.42 | 11.70 | NLPH | --- | 110 | 740 | --- | 4.1 | <0.5 | 0.75 | 0.84 |
| MW7 | 10/15/01 | 17.12 | 7.50 | 9.62 | NLPH | --- | 170 | 740 | --- | <0.5 | <0.5 | <0.5 | 0.69 |
| MW7 | Nov-01 | 17.06 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| MW7 | 02/04/02 | 17.06 | 3.81 | 13.25 | NLPH | 88.0 | 928 | 610 | --- | <0.50 | <0.50 | <0.50 | <0.50 |
| MW7 | 05/06/02 | 17.06 | 4.51 | 12.55 | NLPH | 72 | 591 | 565 | 712.0 | 2.4 | <0.5 | 2.5 | 4.1 |
| MW7 | 08/22/02 | 17.06 | 6.25 | 10.81 | NLPH | <50 | 586 | 482 | --- | 2.5 | <2.5 | <2.5 | 3.0 |
| MW7 | 11/08/02 | 17.06 | 5.03 | 12.03 | NLPH | <50 | 463 | 319 | --- | 1.7 | <0.5 | <0.5 | 0.6 |
| MW7 | 02/07/03 | 17.06 | 4.57 | 12.49 | NLPH | <50 | 344 | 440 | --- | 0.9 | 0.9 | 0.8 | 3.5 |
| MW7 | 05/02/03 | 17.06 | 4.39 | 12.67 | NLPH | <50 | 323 | 307 | --- | 0.80 | <0.5 | <0.5 | <0.5 |
| MW7 | 08/14/03 | 17.06 | 5.96 | 11.10 | NLPH | <50 | 197 | 45.5 | --- | 2.00 | <0.5 | <0.5 | 1.0 |
| MW7 | 11/14/03 | 17.06 | 6.04 | 11.02 | NLPH | <50 | 146 | 48.0 | --- | 1.50 | <0.5 | 0.6 | 1.7 |
| MW7 | 03/01/04 | 17.06 | 2.91 | 14.15 | NLPH | 138d | <50.0 | --- | 8.10 | <0.50 | <0.5 | <0.5 | <0.5 |
| MW7 | 06/10/04 | 17.06 | 5.18 | 11.88 | NLPH | 293d | 9,830 | 26.0 | --- | 501 | 2,280 | 205 | 1,920 |
| MW7 | 09/13/04 | 17.06 | 5.85 | 11.21 | NLPH | 292d | 1,350 | 82.5 | --- | 64.5 | <2.5 | 6.5 | 225 |
| MW7 | 12/22/04 | 17.06 | 4.51 | 12.55 | NLPH | 173d, f | <50.0 | 12.2 | --- | 0.50 | <0.5 | 0.8 | <0.5 |
| MW7 | 03/24/05 | 17.06 | 2.92 | 14.14 | NLPH | 124d | <50.0 | --- | 2.10 | <0.50 | <0.5 | <0.5 | <0.5 |
| MW7 | 06/14/05 | 17.06 | 4.31 | 12.75 | NLPH | 89d | <50.0 | --- | 4.50 | <0.50 | <0.5 | <0.5 | <0.5 |
| **MW7** | **09/12/05** | **17.06** | **6.92** | **10.14** | **NLPH** | **68.0d** | **<50.0** | **---** | **10.8** | **<0.50** | **<0.50** | **<0.50** | **<0.50** |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW8 | 09/12/94 | 16.33 | 6.42 | 9.91 | NLPH | --- | <50a | --- | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 10/01/94 | 16.33 | 6.62 | 9.71 | NLPH | --- | <50a | --- | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 01/13/95 | 16.33 | 5.25 | 11.08 | NLPH | --- | <50a | --- | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 04/27/95 | 16.33 | 6.00 | 10.33 | NLPH | --- | <50 | --- | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 08/03/95 | 16.33 | 6.28 | 10.05 | NLPH | --- | <50 | <2.5 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 10/17/95 | 16.33 | 6.93 | 9.40 | NLPH | --- | <50 | <5.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 01/24/96 | 16.33 | 5.71 | 10.62 | NLPH | --- | <50 | <5.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 04/24/96 | 16.33 | 5.52 | 10.81 | NLPH | --- | <50 | <5.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 07/26/96 | 16.33 | 6.27 | 10.06 | NLPH | --- | <50 | 230 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 10/30/96 | 16.33 | 6.69 | 9.64 | NLPH | --- | <50 | <5.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 01/31/97 | 16.33 | 5.18 | 11.15 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW8 | 04/10/97 | 16.33 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW8 | 07/10/97 | 16.33 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW8 | 10/08/97 | 16.33 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW8 | 01/28/98 | 16.33 | 5.11 | 11.22 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW8 | 04/14/98 | 16.33 | 5.02 | 11.31 | NLPH | --- | <50 | <2.5 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 07/30/98 | 16.33 | 5.84 | 10.49 | NLPH | --- | <50 | 6.6 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 10/19/98 | 16.33 | 6.07 | 10.26 | NLPH | --- | <50 | <2.5 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 01/13/99 | 16.33 | 5.59 | 10.74 | NLPH | --- | <50 | <2.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 04/28/99 | 16.33 | 5.38 | 10.95 | NLPH | --- | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 07/09/99 | 16.33 | 5.71 | 10.62 | NLPH | --- | <50 | 3.01 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 10/25/99 | 16.33 | 6.15 | 10.18 | NLPH | --- | <50 | <1.0 | --- | <1.0 | <1.0 | <1.0 | <1.0 |
| MW8 | 01/21/00 | 16.33 | 6.51 | 9.82 | NLPH | --- | <50 | <1.0 | --- | <1.0 | <1.0 | <1.0 | <1.0 |
| MW8 | 04/14/00 | 16.33 | 5.54 | 10.79 | Brown | --- | <50 | <1 | --- | <1 | <1 | <1 | <1 |
| MW8 | 06/16/00 | 16.33 | Property transferred to Valero Refining Company. | | | | | | | | | | |
| MW8 | 07/05/00 | 16.33 | 5.67 | 10.66 | NLPH | --- | <50 | <2 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 10/03/00 | 16.33 | 6.02 | 10.31 | NLPH | --- | <50 | <2 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 01/02/01 | 16.33 | 5.95 | 10.38 | NLPH | 140c | <50 | <2 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 04/02/01 | 16.33 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW8 | 07/02/01 | 16.33 | 5.76 | 10.57 | NLPH | <50 | <50 | <2 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 10/15/01 | 16.33 | 6.19 | 10.14 | NLPH | <50 | <50 | <2 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | Nov-01 | 16.24 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| MW8 | 02/04/02 | 16.24 | e | e | e | e | e | e | e | e | e | e | e |
| MW8 | 05/06/02 | 16.24 | 5.31 | 10.93 | NLPH | <50 | <50.0 | 0.5 | <0.50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 08/22/02 | 16.24 | 6.07 | 10.17 | NLPH | <50 | <50.0 | <0.5 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 11/08/02 | 16.24 | 5.91 | 10.33 | NLPH | <50 | <50.0 | <0.5 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 02/07/03 | 16.24 | 5.34 | 10.90 | NLPH | <50 | <50.0 | <0.5 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW8 | 05/02/03 | 16.24 | 5.27 | 10.97 | NLPH | <50 | <50.0 | <0.5 | --- | <0.50 | <0.5 | <0.5 | <0.5 |
| MW8 | 08/14/03 | 16.24 | 5.60 | 10.64 | NLPH | <50 | <50.0 | <0.5 | --- | <0.50 | <0.5 | <0.5 | <0.5 |
| MW8 | 11/14/03 | 16.24 | 6.01 | 10.23 | NLPH | 55d | <50.0 | <0.5 | --- | <0.50 | <0.5 | 0.7 | 1.7 |
| MW8 | 03/01/04 | 16.24 | 5.16 | 11.08 | NLPH | <50 | <50.0 | --- | <0.50 | <0.50 | <0.5 | <0.5 | <0.5 |
| MW8 | 06/15/04 | 16.24 | 5.36 | 10.88 | NLPH | <50 | <50.0 | <0.50 | --- | <0.50 | <0.5 | <0.5 | <0.5 |
| MW8 | 09/13/04 | 16.24 | 5.81 | 10.43 | NLPH | <50 | <50.0 | 0.9 | --- | <0.50 | <0.5 | <0.5 | 0.7 |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW8 | 12/22/04 | 16.24 | 5.42 | 10.82 | NLPH | <50 | <50.0 | <0.50 | --- | 0.50 | <0.5 | 0.5 | <0.5 |
| MW8 | 03/24/05 | 16.24 | 5.03 | 11.21 | NLPH | <50 | <50.0 | --- | <0.50 | <0.50 | <0.5 | <0.5 | <0.5 |
| MW8 | 06/14/05 | 16.24 | 5.09 | 11.15 | NLPH | <50 | <50.0 | --- | <0.50 | <0.50 | <0.5 | <0.5 | <0.5 |
| **MW8** | **09/12/05** | **16.24** | **6.24** | **10.00** | **NLPH** | **69.5d** | **<50.0** | **---** | **<0.500** | **<0.50** | **<0.50** | **<0.50** | **<0.50** |
| MW9 | 09/12/94 | 15.62 | 6.84 | 8.78 | NLPH | --- | <50a | --- | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 10/01/94 | | 6.97 | -6.97 | NLPH | --- | <50a | --- | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 01/13/95 | | 6.18 | -6.18 | NLPH | --- | <50a | --- | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 04/27/95 | | 6.58 | -6.58 | NLPH | --- | <50 | --- | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 08/03/95 | | 6.72 | -6.72 | NLPH | --- | <50 | <2.5 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 10/17/95 | 15.62 | 7.09 | 8.53 | NLPH | --- | <50 | <5.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 01/24/96 | 15.62 | 6.46 | 9.16 | NLPH | --- | <50 | <5.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 04/24/96 | 15.62 | 6.43 | 9.19 | NLPH | --- | <50 | <5.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 07/26/96 | 15.62 | 6.80 | 8.82 | NLPH | --- | <50 | <5.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 10/30/96 | 15.62 | 6.94 | 8.68 | NLPH | --- | <50 | <5.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 01/31/97 | 15.62 | 6.10 | 9.52 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW9 | 04/10/97 | 15.62 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW9 | 07/10/97 | 15.62 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW9 | 10/08/97 | 15.62 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW9 | 01/28/98 | 15.62 | 5.66 | 9.96 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW9 | 04/14/98 | 15.62 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW9 | 07/30/98 | 15.62 | 6.17 | 9.45 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW9 | 10/19/98 | 15.62 | 6.40 | 9.22 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW9 | 01/13/99 | 15.62 | 6.28 | 9.34 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW9 | 04/28/99 | 15.62 | 5.87 | 9.75 | NLPH | --- | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 07/09/99 | 15.62 | 6.24 | 9.38 | NLPH | --- | <50 | <2.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 10/25/99 | 15.62 | 6.67 | 8.95 | NLPH | --- | <50 | <1.0 | --- | <1.0 | <1.0 | <1.0 | <1.0 |
| MW9 | 01/21/00 | 15.62 | 6.93 | 8.69 | NLPH | --- | <50 | <1.0 | --- | <1.0 | <1.0 | <1.0 | <1.0 |
| MW9 | 04/14/00 | 15.62 | 6.05 | 9.57 | Turbid | --- | <50 | <1 | --- | <1 | <1 | <1 | <1 |
| MW9 | 06/16/00 | 15.62 | Property transferred to Valero Refining Company. | | | | | | | | | | |
| MW9 | 07/05/00 | 15.62 | 6.34 | 9.28 | NLPH | --- | <50 | <2 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 10/03/00 | 15.62 | 6.52 | 9.10 | NLPH | --- | <50 | <2 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 01/02/01 | 15.62 | 6.53 | 9.09 | NLPH | --- | <50 | <2 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 04/02/01 | 15.62 | 6.21 | 9.41 | NLPH | --- | <50 | <2 | --- | <0.5 | <0.5 | 0.57 | 0.73 |
| MW9 | 07/02/01 | 15.62 | 6.40 | 9.22 | NLPH | --- | <50 | <2 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 10/15/01 | 15.62 | 6.65 | 8.97 | NLPH | --- | <50 | <2 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | Nov-01 | 15.56 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| MW9 | 02/04/02 | 15.56 | 4.77 | 10.79 | NLPH | <50.0 | <50.0 | 0.50 | --- | <0.50 | <0.50 | <0.50 | <0.50 |
| MW9 | 05/06/02 | 15.56 | 6.29 | 9.27 | NLPH | <50 | <50.0 | <0.5 | <0.50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 08/22/02 | 15.56 | 6.70 | 8.86 | NLPH | <50 | <50.0 | <0.5 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 11/08/02 | 15.56 | 6.55 | 9.01 | NLPH | <50 | <50.0 | <0.5 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 02/07/03 | 15.56 | 6.35 | 9.21 | NLPH | <50 | <50.0 | <0.5 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW9 | 05/02/03 | 15.56 | 6.16 | 9.40 | NLPH | 91 | <50.0 | <0.5 | --- | <0.50 | <0.5 | <0.5 | <0.5 |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW9 | 08/14/03 | 15.56 | 6.54 | 9.02 | NLPH | <50 | <50.0 | <0.5 | --- | <0.50 | <0.5 | <0.5 | <0.5 |
| MW9 | 11/14/03 | 15.56 | 6.60 | 8.96 | NLPH | <50 | <50.0 | <0.5 | --- | <0.50 | <0.5 | <0.5 | <0.5 |
| MW9 | 03/01/04 | 15.56 | 5.89 | 9.67 | NLPH | <50 | <50.0 | --- | <0.50 | <0.50 | <0.5 | <0.5 | <0.5 |
| MW9 | 06/15/04 | 15.56 | 6.43 | 9.13 | NLPH | <50 | <50.0 | <0.50 | --- | <0.50 | <0.5 | <0.5 | <0.5 |
| MW9 | 09/13/04 | 15.56 | 6.58 | 8.98 | NLPH | <50 | <50.0 | <0.50 | --- | <0.50 | <0.5 | <0.5 | <0.5 |
| MW9 | 12/22/04 | 15.56 | 6.28 | 9.28 | NLPH | <50 | <50.0 | <0.50 | --- | <0.50 | <0.5 | <0.5 | <0.5 |
| MW9 | 03/24/05 | 15.56 | 5.61 | 9.95 | NLPH | <50 | <50.0 | --- | <0.50 | <0.50 | <0.5 | <0.5 | <0.5 |
| MW9 | 06/14/05 | 15.56 | 6.06 | 9.50 | NLPH | <50 | <50.0 | --- | <0.50 | <0.50 | <0.5 | <0.5 | <0.5 |
| **MW9** | **09/12/05** | **15.56** | **6.65** | **8.91** | **NLPH** | **<50.0** | **<50.0** | **---** | **<0.500** | **<0.50** | **<0.50** | **<0.50** | **<0.50** |
| MW10 | 09/12/94 | 16.79 | 7.04 | 9.75 | NLPH | --- | 71a | --- | --- | <0.5 | <0.5 | 1.6 | <0.5 |
| MW10 | 10/01/94 | 16.79 | 7.30 | 9.49 | NLPH | --- | 330a | --- | --- | 1.1 | <0.5 | 2.8 | 0.73 |
| MW10 | 01/13/95 | 16.79 | 6.04 | 10.75 | NLPH | --- | 90a | --- | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW10 | 04/27/95 | 16.79 | 6.66 | 10.13 | NLPH | --- | 140 | --- | --- | <0.5 | <0.5 | 5.4 | 1.3 |
| MW10 | 08/03/95 | 16.79 | 7.23 | 9.56 | NLPH | --- | 150 | <2.5 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW10 | 10/17/95 | 16.79 | 7.93 | 8.86 | NLPH | --- | <50 | 95 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW10 | 01/24/96 | 16.79 | 6.43 | 10.36 | NLPH | --- | 760 | 24 | --- | 1.6 | 0.52 | 62 | 28 |
| MW10 | 04/24/96 | 16.79 | 6.42 | 10.37 | NLPH | --- | 110 | 6.8 | --- | <0.5 | <0.5 | 7.1 | <0.5 |
| MW10 | 07/26/96 | 16.79 | 7.47 | 9.32 | NLPH | --- | 140 | <5.0 | --- | <0.5 | <0.5 | 12 | 0.86 |
| MW10 | 10/30/96 | 16.79 | 7.88 | 8.91 | NLPH | --- | <50 | 5.6 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW10 | 01/31/97 | 16.79 | 5.88 | 10.91 | NLPH | --- | <50 | 10 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW10 | 04/10/97 | 16.79 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW10 | 07/10/97 | 16.79 | 7.32 | 9.47 | NLPH | --- | <50 | <2.5 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW10 | 10/08/97 | 16.79 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW10 | 12/12/97 | --- | Well destroyed. | | | | | | | | | | |
| MW11 | 10/17/95 | 18.04 | 7.72 | 10.32 | NLPH | --- | 34,000 | 890 | --- | 3,800 | 150 | 950 | 4,500 |
| MW11 | 01/24/96 | 18.04 | 5.97 | 12.07 | NLPH | --- | 44,000 | <500 | --- | 3,800 | 1,200 | 2,100 | 9,800 |
| MW11 | 04/24/96 | 18.04 | 5.84 | 12.20 | NLPH | --- | 34,000 | 720 | --- | 2,900 | 1,400 | 1,700 | 8,300 |
| MW11 | 07/26/96 | 18.04 | 6.98 | 11.06 | NLPH | --- | 39,000 | 800 | --- | 4,600 | 4,200 | 950 | 9,500 |
| MW11 | 10/30/96 | 18.04 | 7.54 | 10.50 | NLPH | --- | 53,000 | 990 | --- | 4,200 | 3,600 | 2,100 | 9,600 |
| MW11 | 01/31/97 | 18.04 | 5.00 | 13.04 | NLPH | --- | 23,000 | --- | 310 | 170 | 2,500 | 940 | 4,300 |
| MW11 | 04/10/97 | 18.04 | --- | --- | NLPH | --- | 29,000 | 200 | --- | 1,200 | 440 | 970 | 6,400 |
| MW11 | 07/10/97 | 18.04 | 7.30 | 10.74 | NLPH | --- | 42,000 | 690 | --- | 1,700 | 870 | 1,900 | 12,000 |
| MW11 | 10/08/97 | 18.04 | 7.62 | 10.42 | NLPH | --- | 42,000 | 1,100 | --- | 1,700 | 2,500 | 1,400 | 9,900 |
| MW11 | 01/28/98 | 18.04 | 4.77 | 13.27 | NLPH | --- | 35,000 | --- | 6,800 | 2,400 | 3,500 | 1,700 | 7,900 |
| MW11 | 04/14/98 | 18.04 | 4.68 | 13.36 | NLPH | --- | 15,000 | --- | 1,200 | 1,700 | 250 | 500 | 2,000 |
| MW11 | 07/30/98 | 18.04 | 6.33 | 11.71 | NLPH | --- | 24,000 | 1,700 | --- | 1,600 | 560 | 1,000 | 4,300 |
| MW11 | 10/19/98 | 18.04 | 6.65 | 11.39 | NLPH | --- | 29,000 | 1,700 | --- | 1,200 | 2,500 | 920 | 4,900 |
| MW11 | 01/13/99 | 18.04 | 6.42 | 11.62 | NLPH | --- | 50,900 | 1,920 | --- | 2,210 | 6,440 | 2,030 | 10,600 |
| MW11 | 04/28/99 | 18.04 | 5.30 | 12.74 | NLPH | --- | 59,400 | --- | 2,390 | 3,790 | 4,260 | 1,790 | 2,970 |
| MW11 | 07/09/99 | 18.04 | 6.22 | 11.82 | NLPH | --- | 51,500 | 4,630 | --- | 5,890 | 5,340 | 2,370 | 12,700 |
| MW11 | 10/25/99 | 18.04 | 6.77 | 11.27 | NLPH | --- | 51,000 | 1,700 | --- | 3,900 | 5,800 | 2,300 | 12,300 |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW11 | 01/21/00 | 18.04 | 6.47 | 11.57 | NLPH | --- | 56,000 | 1,100 | --- | 2,300 | 4,600 | 2,100 | 11,600 |
| MW11 | 04/14/00 | 18.04 | 5.09 | 12.95 | NLPH | --- | 42,000 | 2,100 | --- | 3,000 | 2,600 | 1,600 | 8,000 |
| MW11 | 06/16/00 | 18.04 | Property transferred to Valero Refining Company. | | | | | | | | | | |
| MW11 | 07/05/00 | 18.04 | 5.93 | 12.11 | NLPH | --- | 32,000 | 3,900 | --- | 3,000 | 2,700 | 1,300 | 6,200 |
| MW11 | 10/03/00 | 18.04 | 6.57 | 11.47 | NLPH | --- | 46,000 | 4,300 | --- | 2,900 | 3,600 | 1,600 | 7,900 |
| MW11 | 01/02/01 | 18.04 | 6.46 | 11.58 | NLPH | 1,600c | 44,000 | 4,200 | --- | 3,900 | 3,600 | 1,300 | 6,500 |
| MW11 | 04/02/01 | 18.04 | 5.44 | 12.60 | NLPH | 2,000 | 39,000 | 3,100 | --- | 2,600 | 3,600 | 1,500 | 7,500 |
| MW11 | 07/02/01 | 18.04 | 9.10 | 8.94 | NLPH | 2,300 | 45,000 | 3,000 | --- | 2,000 | 2,000 | 1,400 | 7,200 |
| MW11 | 10/15/01 | 18.04 | 8.10 | 9.94 | NLPH | 1,400d | 55,000 | 2,600 | --- | 5,100 | 5,700 | 1,900 | 9,100 |
| MW11 | Nov-01 | 17.98 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| MW11 | 02/04/02 | 17.98 | 5.14 | 12.84 | NLPH | 2,430 | 37,800 | 1,910 | --- | 3,340 | 3,550 | 1,450 | 6,480 |
| MW11 | 05/06/02 | 17.98 | 5.51 | 12.47 | NLPH | 3,000 | 27,200 | 1,350 | 1,984 | 1,420 | 1,580 | 1,110 | 4,960 |
| MW11 | 08/22/02 | 17.98 | 6.63 | 11.35 | NLPH | 5,660 | 28,100 | 2,240 | --- | 2,020 | 1,520 | 1,120 | 5,360 |
| MW11 | 11/08/02 | 17.98 | 5.34 | 12.64 | NLPH | 3,680 | 26,000 | 246 | --- | 1,170 | 2,130 | 1,020 | 5,390 |
| MW11 | 02/07/03 | 17.98 | 5.42 | 12.56 | NLPH | 4,360 | 50,000 | 1,400 | --- | 3,660 | 4,500 | 1,920 | 8,600 |
| MW11 | 05/02/03 | 17.98 | 5.17 | 12.81 | NLPH | 2,330 | 41,200 | 1,080 | --- | 1,980 | 1,860 | 1,450 | 7,100 |
| MW11 | 08/14/03 | 17.98 | 6.42 | 11.56 | NLPH | 5,480d | 46,700 | 1,140 | --- | 3,360 | 2,150 | 1,870 | 7,640 |
| MW11 | 11/14/03 | 17.98 | 6.39 | 11.59 | NLPH | 3,530d | 45,800 | 240 | --- | 2,070 | 3,300 | 2,010 | 8,680 |
| MW11 | 03/01/04 | 17.98 | 4.58 | 13.40 | NLPH | 2,030d | 5,540 | --- | 61.7 | 246 | 350 | 205 | 904 |
| MW11 | 06/15/04 | 17.98 | 5.83 | 12.15 | NLPH | 2,090d | 48,100 | 580 | --- | 2,040 | 2,160 | 2,430 | 10,100 |
| MW11 | 09/13/04 | 17.98 | 6.41 | 11.57 | NLPH | 3,220d | 40,300 | 250 | --- | 2,210 | 1,290 | 1,930 | 8,350 |
| MW11 | 12/22/04 | 17.98 | 5.49 | 12.49 | NLPH | 1,770d, f | 20,800 | 105 | --- | 1,060 | 1,540 | 750 | 3,220 |
| MW11 | 03/24/05 | 17.98 | 4.22 | 13.76 | NLPH | 643d | 4,030 | --- | 800 | 64.0 | 52.1 | 114 | 532 |
| MW11 | 06/14/05 | 17.98 | 5.42 | 12.56 | NLPH | 3,830d | 36,900 | --- | 351 | 1,330 | 2,760 | 1,520 | 6,870 |
| **MW11** | **09/12/05** | **17.98** | **7.18** | **10.80** | **NLPH** | **4,020d** | **16,600** | **---** | **245** | **1,050** | **795** | **1,090** | **4,190** |
| MW12 | 10/17/95 | 16.30 | 6.38 | 9.92 | NLPH | --- | <50 | <5.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW12 | 01/24/96 | 16.30 | 4.86 | 11.44 | NLPH | --- | <50 | <5.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW12 | 04/24/96 | 16.30 | 4.46 | 11.84 | NLPH | --- | <50 | <5.0 | --- | <0.5 | 0.68 | <0.5 | 0.72 |
| MW12 | 07/26/96 | 16.30 | 5.90 | 10.40 | NLPH | --- | <50 | <5.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW12 | 10/30/96 | 16.30 | 6.56 | 9.74 | NLPH | --- | <50 | <5.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW12 | 01/31/97 | 16.30 | 4.57 | 11.73 | NLPH | --- | <50 | <5.0 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| MW12 | 04/10/97 | 16.30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW12 | 07/10/97 | 16.30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW12 | 10/08/97 | 16.30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW12 | 01/28/98 | 16.30 | 3.90 | 12.40 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW12 | 04/14/98 | 16.30 | 3.67 | 12.63 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW12 | 07/30/98 | 16.30 | 5.00 | 11.30 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW12 | 10/19/98 | 16.30 | --- | --- | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW12 | 01/13/99 | 16.30 | 5.19 | 11.11 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW12 | 04/28/99 | 16.30 | 4.53 | 11.77 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW12 | 07/09/99 - 04/14/00 | | Not monitored or sampled. | | | | | | | | | | |
| MW12 | 06/16/00 | 16.30 | Property transferred to Valero Refining Company. | | | | | | | | | | |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW12 | 07/05/00 - 04/02/01 | | Not monitored or sampled. | | | | | | | | | | |
| MW12 | 07/02/01 | 16.30 | 8.34 | 7.96 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| MW12 | 10/15/01 | 16.30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW12 | Nov-01 | 16.15 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| MW12 | 02/04/02 - present | | Not monitored or sampled. | | | | | | | | | | |
| EW1 | 09/12/94 | 16.22 | 6.13 | 10.09 | NLPH | --- | 400a | --- | --- | 40 | <0.5 | 10 | 5.4 |
| EW1 | 10/01/94 | 16.22 | 7.63 | 8.59 | NLPH | --- | 3,400a | --- | --- | <0.5 | 4.4 | 30 | 11 |
| EW1 | 01/13/95 | 16.22 | 11.46 | 4.76 | NLPH | --- | 680a | --- | --- | 40 | <0.5 | 12 | 16 |
| EW1 | 04/27/95 | 16.22 | 15.47 | 0.75 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 08/03/95 | 16.22 | 13.85 | 2.37 | NLPH | --- | <125 | 590 | --- | 2.7 | <1.2 | <1.2 | <1.2 |
| EW1 | 10/17/95 | 16.22 | 8.05 | 8.17 | NLPH | --- | 3,600 | 400 | --- | 220 | <0.5 | 160 | 36 |
| EW1 | 01/24/96 | 16.22 | 11.07 | 5.15 | NLPH | --- | 64 | 260 | --- | 4.3 | <0.5 | 1.3 | 0.53 |
| EW1 | 04/24/96 | 16.22 | 6.20 | 10.02 | NLPH | --- | 740 | 3,000 | --- | 130 | 2.3 | 35 | 2.1 |
| EW1 | 07/26/96 | 16.22 | 13.93 | 2.29 | NLPH | --- | <50 | 960 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| EW1 | 10/30/96 | 16.22 | 13.74 | 2.48 | NLPH | --- | <50 | 5,300 | --- | 0.52 | <0.5 | <0.5 | <0.5 |
| EW1 | 01/31/97 | 16.22 | 8.40 | 7.82 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 04/10/97 | 16.22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 07/10/97 | 16.22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 10/08/97 | 16.22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 01/28/98 | 16.22 | 3.35 | 12.87 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 04/14/98 | 16.22 | 3.52 | 12.70 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 07/30/98 | 16.22 | 5.48 | 10.74 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 10/19/98 | 16.22 | 5.77 | 10.45 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 01/13/99 | 16.22 | 5.49 | 10.73 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 04/28/99 | 16.22 | 4.31 | 11.91 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 07/09/99 - 04/14/00 | | Not monitored or sampled. | | | | | | | | | | |
| EW1 | 06/16/00 | 16.22 | Property transferred to Valero Refining Company. | | | | | | | | | | |
| EW1 | 07/05/00 - 10/15/01 | | Not monitored or sampled. | | | | | | | | | | |
| EW1 | Nov-01 | 16.27 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| EW1 | 02/04/02 | 16.27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 05/06/02 | 16.27 | 4.94 | 11.33 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 08/22/02 | 16.27 | e | e | e | e | e | e | e | e | e | e | e |
| EW1 | 11/08/02 | 16.27 | 3.80 | 12.47 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 02/07/03 | 16.27 | 12.45 | 3.82 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 05/02/03 | 16.27 | 6.55 | 9.72 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 08/14/03 | 16.27 | --- | --- | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 11/14/03 | 16.27 | --- | --- | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 03/01/04 | 16.27 | --- | --- | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 06/15/04 | 16.27 | 4.47 | 11.80 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 09/13/04 | 16.27 | 5.12 | 11.15 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 12/22/04 | 16.27 | 4.17 | 12.10 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW1 | 03/24/05 | 16.27 | 2.97 | 13.30 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EW1 | 06/14/05 | 16.27 | 3.98 | 12.29 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| **EW1** | **09/12/05** | **16.27** | **14.39** | **1.88** | **NLPH** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** |
| EW2 | 09/12/94 | 16.05 | 6.09 | 9.96 | NLPH | --- | 8,800a | --- | --- | 2,000 | 79 | 180 | 290 |
| EW2 | 10/01/94 | 16.05 | 7.32 | 8.73 | NLPH | --- | 9,500a | --- | --- | 1,400 | 6.7 | 700 | 310 |
| EW2 | 01/13/95 | 16.05 | 14.38 | 1.67 | NLPH | --- | 5,700a | --- | --- | 930 | 270 | 21 | 280 |
| EW2 | 04/27/95 | 16.05 | 15.23 | 0.82 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW2 | 08/03/95 | 16.05 | 7.19 | 8.86 | NLPH | --- | 830 | 1,600 | --- | 170 | 27 | 36 | 64 |
| EW2 | 10/17/95 | 16.05 | 18.97 | -2.92 | NLPH | --- | 180 | 3,600 | --- | <0.5 | <0.5 | <0.5 | 5.1 |
| EW2 | 01/24/96 | 16.05 | 20.32 | -4.27 | NLPH | --- | 1,700 | 6,400 | --- | 290 | 82 | 14 | 170 |
| EW2 | 04/24/96 | 16.05 | 9.46 | 6.59 | NLPH | --- | 3,500 | 7,300 | --- | 670 | 200 | 110 | 490 |
| EW2 | 07/26/96 | 16.05 | 16.50 | -0.45 | NLPH | --- | 1,400 | 14,000 | --- | 250 | 56 | 10 | 220 |
| EW2 | 10/30/96 | 16.05 | 20.30 | -4.25 | NLPH | --- | 1,500 | 13,000 | --- | 200 | 44 | 8.8 | 190 |
| EW2 | 01/31/97 | 16.05 | 19.21 | -3.16 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW2 | 04/10/97 | 16.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW2 | 07/10/97 | 16.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW2 | 10/08/97 | 16.05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW2 | 01/28/98 | 16.05 | 3.35 | 12.70 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW2 | 04/14/98 | 16.05 | 3.45 | 12.60 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW2 | 07/30/98 | 16.05 | 11.50 | 4.55 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW2 | 10/19/98 | 16.05 | 5.67 | 10.38 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW2 | 01/13/99 | 16.05 | 9.57 | 6.48 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW2 | 04/28/99 | 16.05 | 10.15 | 5.90 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW2 | 07/09/99 - 04/14/00 | | Not monitored or sampled. | | | | | | | | | | |
| EW2 | 06/16/00 | 16.05 | Property transferred to Valero Refining Company. | | | | | | | | | | |
| EW2 | 07/05/00 - 10/15/01 | | Not monitored or sampled. | | | | | | | | | | |
| EW2 | Nov-01 | 16.07 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| EW2 | 02/04/02 - present | | Not monitored or sampled. | | | | | | | | | | |
| EW3 | 09/12/94 | 16.02 | 6.12 | 9.90 | NLPH | --- | 300a | --- | --- | 44 | 5.9 | 12 | 31 |
| EW3 | 10/01/94 | 16.02 | 10.52 | 5.50 | NLPH | --- | 140a | --- | --- | 12 | 0.42 | 1.7 | 3.7 |
| EW3 | 01/13/95 | 16.02 | 18.13 | -2.11 | NLPH | --- | 230a | --- | --- | 4.6 | 7.6 | 1.2 | 6.6 |
| EW3 | 04/27/95 | 16.02 | 23.07 | -7.05 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 08/03/95 | 16.02 | 22.90 | -6.88 | NLPH | --- | <200 | 1,400 | --- | <2.0 | <2.0 | <2.0 | <2.0 |
| EW3 | 10/17/95 | 16.02 | 22.87 | -6.85 | NLPH | --- | 74 | 2,400 | --- | 4.4 | <0.5 | <0.5 | <0.5 |
| EW3 | 01/24/96 | 16.02 | 20.97 | -4.95 | NLPH | --- | 120 | 2,300 | --- | 16 | <0.5 | <0.5 | <0.5 |
| EW3 | 04/24/96 | 16.02 | 18.10 | -2.08 | NLPH | --- | 180 | 3,800 | --- | 34 | 3.7 | 8.9 | 11 |
| EW3 | 07/26/96 | 16.02 | 13.14 | 2.88 | NLPH | --- | 180 | 2,000 | --- | 45 | 0.7 | <0.5 | 2.1 |
| EW3 | 10/30/96 | 16.02 | 9.24 | 6.78 | NLPH | --- | 660 | 2,800 | --- | 60 | 8.2 | <0.5 | 100 |
| EW3 | 01/31/97 | 16.02 | 11.10 | 4.92 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 04/10/97 | 16.02 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 07/10/97 | 16.02 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 10/08/97 | 16.02 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EW3 | 01/28/98 | 16.02 | 3.42 | 12.60 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 04/14/98 | 16.02 | 3.50 | 12.52 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 07/30/98 | 16.02 | 18.57 | -2.55 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 10/19/98 | 16.02 | 5.65 | 10.37 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 01/13/99 | 16.02 | 13.85 | 2.17 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 04/28/99 | 16.02 | 4.52 | 11.50 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 07/09/99 - 04/14/00 | | Not monitored or sampled. | | | | | | | | | | |
| EW3 | 06/16/00 | 16.02 | Property transferred to Valero Refining Company. | | | | | | | | | | |
| EW3 | 07/05/00 - 10/15/01 | | Not monitored or sampled. | | | | | | | | | | |
| EW3 | Nov-01 | 16.08 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| EW3 | 02/04/02 | 16.08 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 05/06/02 | 16.08 | 5.38 | 10.70 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 08/22/02 | 16.08 | 13.00 | 3.08 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 11/08/02 | 16.08 | 4.19 | 11.89 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 02/07/03 | 16.08 | 21.15 | -5.07 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 05/02/03 | 16.08 | 23.50 | -7.42 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 08/14/03 | 16.08 | 6.07 | 10.01 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 11/14/03 | 16.08 | 6.04 | 10.04 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 03/01/04 | 16.08 | 3.98 | 12.10 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 06/15/04 | 16.08 | 4.80 | 11.28 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 09/13/04 | 16.08 | 5.56 | 10.52 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 12/22/04 | 16.08 | 4.51 | 11.57 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 03/24/05 | 16.08 | 3.23 | 12.85 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW3 | 06/14/05 | 16.08 | 4.31 | 11.77 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| **EW3** | **09/12/05** | **16.08** | **32.48** | **-16.40** | **NLPH** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** |
| EW4 | 09/12/94 | 16.61 | 5.69 | 10.92 | NLPH | --- | 4,000a | --- | --- | 1,700 | 12 | 210 | 77 |
| EW4 | 10/01/94 | 16.61 | 7.90 | 8.71 | NLPH | --- | 460a | --- | --- | 100 | 1.5 | 15 | 11 |
| EW4 | 01/13/95 | 16.61 | 11.36 | 5.25 | NLPH | --- | 520a | --- | --- | 89 | 8.8 | 1.6 | 82 |
| EW4 | 04/27/95 | 16.61 | 16.30 | 0.31 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW4 | 08/03/95 | 16.61 | 6.45 | 10.16 | NLPH | --- | 42,000 | 17,000 | --- | 3,100 | 1,100 | 2,000 | 8,200 |
| EW4 | 10/17/95 | 16.61 | 15.89 | 0.72 | NLPH | --- | 92 | 2,500 | --- | 6.3 | <0.5 | <0.5 | <0.5 |
| EW4 | 01/24/96 | 16.61 | 6.03 | 10.58 | NLPH | --- | 220 | 9,200 | --- | 79 | 2.5 | 2.9 | 10 |
| EW4 | 04/24/96 | 16.61 | 4.97 | 11.64 | NLPH | --- | 4,600 | 860 | --- | 49 | 36 | 69 | 1,100 |
| EW4 | 07/26/96 | 16.61 | 6.54 | 10.07 | NLPH | --- | 2,900 | 15,000 | --- | 610 | 6.2 | 200 | 300 |
| EW4 | 10/30/96 | 16.61 | 6.53 | 10.08 | NLPH | --- | 550 | 3,400 | --- | 68 | 11 | <2.5 | 71 |
| EW4 | 01/31/97 | 16.61 | 3.98 | 12.63 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW4 | 04/10/97 | 16.61 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW4 | 07/10/97 | 16.61 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW4 | 10/08/97 | 16.61 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW4 | 01/28/98 | 16.61 | 3.22 | 13.39 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW4 | 04/14/98 | 16.61 | 3.20 | 13.41 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW4 | 07/30/98 | 16.61 | 4.89 | 11.72 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EW4 | 10/19/98 | 16.61 | 5.16 | 11.45 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW4 | 01/13/99 | 16.61 | 5.57 | 11.04 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW4 | 04/28/99 | 16.61 | 4.27 | 12.34 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW4 | 07/09/99 - 04/14/00 | | Not monitored or sampled. | | | | | | | | | | |
| EW4 | 06/16/00 | 16.61 | Property transferred to Valero Refining Company. | | | | | | | | | | |
| EW4 | 07/05/00 - 10/15/01 | | Not monitored or sampled. | | | | | | | | | | |
| EW4 | Nov-01 | 15.69 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| EW4 | 02/04/02 - present | | Not monitored or sampled. | | | | | | | | | | |
| | | | | | | | | | | | | | |
| EW5 | 09/12/94 | 16.51 | 6.30 | 10.21 | NLPH | --- | 180a | --- | --- | 26 | 1.7 | 11 | 12 |
| EW5 | 10/01/94 | 16.51 | 11.83 | 4.68 | NLPH | --- | 130a | --- | --- | 16 | 0.92 | 5.7 | 8.5 |
| EW5 | 01/13/95 | 16.51 | 12.54 | 3.97 | NLPH | --- | 130a | --- | --- | 0.6 | 0.8 | 0.6 | 2.9 |
| EW5 | 04/27/95 | 16.51 | 13.11 | 3.40 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 08/03/95 | 16.51 | 11.99 | 4.52 | NLPH | --- | 70 | 210 | --- | <0.5 | <0.5 | <0.5 | <0.5 |
| EW5 | 10/17/95 | 16.51 | 13.43 | 3.08 | NLPH | --- | 78 | 50 | --- | 1.5 | <0.5 | <0.5 | 3.0 |
| EW5 | 01/24/96 | 16.51 | 9.72 | 6.79 | NLPH | --- | 2,500 | 350 | --- | 280 | 66 | 22 | 370 |
| EW5 | 04/24/96 | 16.51 | 8.13 | 8.38 | NLPH | --- | 6,400 | 400 | --- | 690 | 240 | 380 | 1,300 |
| EW5 | 07/26/96 | 16.51 | 10.00 | 6.51 | NLPH | --- | 850 | 84 | --- | 82 | 2.5 | 2.4 | 100 |
| EW5 | 10/30/96 | 16.51 | 9.82 | 6.69 | NLPH | --- | 1,200 | 68 | --- | 110 | 5.1 | 2.2 | 120 |
| EW5 | 01/31/97 | 16.51 | 9.00 | 7.51 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 04/10/97 | 16.51 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 07/10/97 | 16.51 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 10/08/97 | 16.51 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 01/28/98 | 16.51 | 3.54 | 12.97 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 04/14/98 | 16.51 | 3.65 | 12.86 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 07/30/98 | 16.51 | 7.63 | 8.88 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 10/19/98 | 16.51 | 5.75 | 10.76 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 01/13/99 | 16.51 | 7.03 | 9.48 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 04/28/99 | 16.51 | 8.80 | 7.71 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 07/09/99 - 04/14/00 | | Not monitored or sampled. | | | | | | | | | | |
| EW5 | 06/16/00 | 16.51 | Property transferred to Valero Refining Company. | | | | | | | | | | |
| EW5 | 07/05/00 - 10/15/01 | | Not monitored or sampled. | | | | | | | | | | |
| EW5 | Nov-01 | 16.67 | Well surveyed in compliance with AB 2886 requirements. | | | | | | | | | | |
| EW5 | 02/04/02 | 16.67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 05/06/02 | 16.67 | 4.78 | 11.89 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 08/22/02 | 16.67 | 6.61 | 10.06 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 11/08/02 | 16.67 | 3.74 | 12.93 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 02/07/03 | 16.67 | 6.40 | 10.27 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 05/02/03 | 16.67 | 5.91 | 10.76 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 08/14/03 | 16.67 | 6.28 | 10.39 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 11/14/03 | 16.67 | 6.19 | 10.48 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 03/01/04 | 16.67 | 4.02 | 12.65 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 06/15/04 | 16.67 | 4.97 | 11.70 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |

**TABLE 1A**

**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | TOC (feet) | DTW (fbgs) | GW Elev. (feet) | SUBJ | TPHd (µg/L) | TPHg (µg/L) | MTBE 8021B (µg/L) | MTBE 8260B (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EW5 | 09/13/04 | 16.67 | 5.47 | 11.20 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 12/22/04 | 16.67 | 4.71 | 11.96 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 03/24/05 | 16.67 | 3.15 | 13.52 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| EW5 | 06/14/05 | 16.67 | 4.28 | 12.39 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- |
| **EW5** | **09/12/05** | **16.67** | **7.46** | **9.21** | **NLPH** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** |

Notes:

| | | |
|---|---|---|
| SUBJ | = | Results of subjective evaluation, liquid-phase hydrocarbon thickness in feet. |
| 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 5030/8015 (modified). |
| TPHd | = | Total petroleum hydrocarbons as diesel using EPA Method 5030/8015 (modified). |
| 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. |
| EDB | = | 1,2-Dibromoethane analyzed using EPA Method 8260B. |
| 1,2-DCA | = | 1,2-Dichloroethane analyzed using EPA Method 8260B. |
| TAME | = | Tertiary amyl methyl ether analyzed using EPA Method 8260B. |
| TBA | = | Tertiary butyl alcohol analyzed using EPA Method 8260B. |
| ETBE | = | Ethyl tertiary butyl ether analyzed using EPA Method 8260B. |
| DIPE | = | Di-isopropyl ether analyzed using EPA Method 8260B. |
| NLPH | = | No liquid-phase hydrocarbons. |
| SPL | = | Separate-phase liquids present. |
| fbgs | = | Feet below ground surface. |
| ND | = | Not detected at or above laboratory reporting limits. |
| --- | = | Not sampled. |
| µg/L | = | Micrograms per liter. |
| < | = | Less than the stated laboratory method reporting limit. |
| a | = | Total volatile hydrocarbons by DHS /LUFT Manual Method. |
| b | = | Results obtained from a 1:10 dilution analyzed on January 17, 1995. |
| c | = | Diesel-range hydrocarbons reportedly detected in bailer blank; result is suspect. |
| d | = | TPHd was detected in the sample; however, the detections do not resemble the typical diesel pattern. |
| e | = | Well inaccessible. |
| f | = | Analyte detected in laboratory method blank; result is suspect. |

Data prior to Second Quarter 2000 provided by Delta Environmental Consultants, Inc.

**TABLE 1B**
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | ETBE (µg/L) | TAME (µg/L) | TBA (µg/L) | 1,2-DCA (µg/L) | EDB (µg/L) | DIPE (µg/L) | Ethanol (µg/L) |
|---|---|---|---|---|---|---|---|---|
| MW1 | 09/12/94 - 04/14/00 | Not analyzed for these analytes. | | | | | | |
| MW1 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| MW1 | 07/05/00 - 02/04/02 | Not analyzed for these analytes. | | | | | | |
| MW1 | 05/06/02 | <0.50 | <0.50 | 297 | <0.50 | <0.50 | <0.50 | --- |
| MW1 | 08/22/02 - 11/14/03 | Not analyzed for these analytes. | | | | | | |
| MW1 | 03/01/04 | <0.50 | <0.50 | 42.3 | <0.50 | <0.50 | <0.50 | --- |
| MW1 | 06/15/04 | --- | --- | --- | --- | --- | --- | <100 |
| MW1 | 09/13/04 | --- | --- | --- | --- | --- | --- | --- |
| MW1 | 12/22/04 | --- | --- | --- | --- | --- | --- | --- |
| MW1 | 03/24/05 | <0.50 | <0.50 | 3,020 | <0.50 | <0.50 | <0.50 | <50.0 |
| MW1 | 06/14/05 | <0.50 | <0.50 | 6,590 | <0.50 | <0.50 | <0.50 | <50.0 |
| **MW1** | **09/12/05** | **<0.500** | **<0.500** | **10,900** | **<0.500** | **<0.500** | **<0.500** | **<50.0** |
| MW2 | 09/12/94 - 04/14/00 | Not analyzed for these analytes. | | | | | | |
| MW2 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| MW2 | 07/05/00 - 10/15/01 | Not analyzed for these analytes. | | | | | | |
| MW2 | 02/04/02 | 69 | --- | --- | --- | --- | --- | --- |
| MW2 | 05/06/02 | 252 | <0.50 | 44.8 | <0.50 | <0.50 | <0.50 | --- |
| MW2 | 08/22/02 | 178 | --- | --- | --- | --- | --- | --- |
| MW2 | 11/08/02 | 83 | --- | --- | --- | --- | --- | --- |
| MW2 | 02/07/03 | <50 | --- | --- | --- | --- | --- | --- |
| MW2 | 05/02/03 | 56 | --- | --- | --- | --- | --- | --- |
| MW2 | 08/14/03 | 62 | --- | --- | --- | --- | --- | --- |
| MW2 | 11/14/03 | 132 | --- | --- | --- | --- | --- | --- |
| MW2 | 03/01/04 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 | <0.50 | --- |
| MW2 | 06/15/04 | --- | --- | --- | --- | --- | --- | <100 |
| MW2 | 09/13/04 | --- | --- | --- | --- | --- | --- | --- |
| MW2 | 12/22/04 | --- | --- | --- | --- | --- | --- | --- |
| MW2 | 03/24/05 | <0.50 | <0.50 | 37 | <0.50 | <0.50 | <0.50 | <50.0 |
| MW2 | 06/14/05 | <0.50 | <0.50 | 41.1 | 1.90 | <0.50 | <0.50 | <50.0 |
| **MW2** | **09/12/05** | **<0.500** | **<0.500** | **181** | **<0.500** | **<0.500** | **<0.500** | **<50.0** |
| MW3 | 09/12/94 - 04/14/00 | Not analyzed for these analytes. | | | | | | |
| MW3 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| MW3 | 07/05/00 - 02/04/02 | Not analyzed for these analytes. | | | | | | |
| MW3 | 05/06/02 | <0.50 | <0.50 | 194.0 | <0.50 | <0.50 | <0.50 | --- |
| MW3 | 08/22/02 - 11/14/03 | Not analyzed for these analytes. | | | | | | |
| MW3 | 03/01/04 | <0.50 | <0.50 | 3550.0 | <0.50 | <0.50 | <0.50 | --- |
| MW3 | 06/15/04 | --- | --- | --- | --- | --- | --- | <100 |
| MW3 | 09/13/04 | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 12/22/04 | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 03/24/05 | <0.50 | <0.50 | 12,600 | <0.50 | <0.50 | <0.50 | <50.0 |

**TABLE 1B**
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | ETBE (µg/L) | TAME (µg/L) | TBA (µg/L) | 1,2-DCA (µg/L) | EDB (µg/L) | DIPE (µg/L) | Ethanol (µg/L) |
|---|---|---|---|---|---|---|---|---|
| MW3 | 06/14/05 | <0.50 | <0.50 | 10,500 | <0.50 | <0.50 | <0.50 | <50.0 |
| **MW3** | **09/12/05** | **<0.500** | **<0.500** | **16,100** | **10.4** | **<0.500** | **<0.500** | **<50.0** |
| MW4 | 09/12/94 - 04/14/00 | Not analyzed for these analytes. | | | | | | |
| MW4 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| MW4 | 07/05/00 - 02/04/02 | Not analyzed for these analytes. | | | | | | |
| MW4 | 05/06/02 | 0.8 | <0.50 | 499.0 | <0.50 | <0.50 | <0.50 | --- |
| MW4 | 08/22/02 - 11/14/03 | Not analyzed for these analytes. | | | | | | |
| MW4 | 03/01/04 | <0.50 | <0.50 | 1,780 | <0.50 | <0.50 | <0.50 | --- |
| MW4 | 06/15/04 | --- | --- | --- | --- | --- | --- | <100 |
| MW4 | 09/13/04 | --- | --- | --- | --- | --- | --- | --- |
| MW4 | 12/22/04 | --- | --- | --- | --- | --- | --- | --- |
| MW4 | 03/24/05 | <0.50 | <0.50 | 8,860 | <0.50 | <0.50 | <0.50 | <50.0 |
| MW4 | 06/14/05 | <0.50 | <0.50 | 5,890 | 2.20 | <0.50 | <0.50 | <50.0 |
| **MW4** | **09/12/05** | **<0.500** | **<0.500** | **7,230** | **<0.500** | **<0.500** | **<0.500** | **<50.0** |
| MW5 | 09/12/94 - 04/14/00 | Not analyzed for these analytes. | | | | | | |
| MW5 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| MW5 | 07/05/00 - 02/04/02 | Not analyzed for these analytes. | | | | | | |
| MW5 | 05/06/02 | <0.50 | <0.50 | 306 | <0.50 | <0.50 | 3 | --- |
| MW5 | 08/22/02 - 11/14/03 | Not analyzed for these analytes. | | | | | | |
| MW5 | 03/01/04 | <0.50 | <0.50 | 528 | <0.50 | <0.50 | 1 | --- |
| MW5 | 06/15/04 | --- | --- | --- | --- | --- | --- | <100 |
| MW5 | 09/13/04 | --- | --- | --- | --- | --- | --- | --- |
| MW5 | 12/22/04 | --- | --- | --- | --- | --- | --- | --- |
| MW5 | 03/24/05 | <0.50 | <0.50 | 1,560 | <0.50 | <0.50 | 1.30 | <50.0 |
| MW5 | 06/14/05 | <0.50 | <0.50 | 908 | <0.50 | <0.50 | 1.70 | <50.0 |
| **MW5** | **09/12/05** | **<0.500** | **<0.500** | **1,130** | **13.6** | **<0.500** | **<0.500** | **<50.0** |
| MW6 | 09/12/94 - 04/14/00 | Not analyzed for these analytes. | | | | | | |
| MW6 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| MW6 | 07/05/00 - 02/04/02 | Not analyzed for these analytes. | | | | | | |
| MW6 | 05/06/02 | <0.50 | <0.50 | 32 | <0.50 | <0.50 | <0.50 | --- |
| MW6 | 08/22/02 - 11/14/03 | Not analyzed for these analytes. | | | | | | |
| MW6 | 03/01/04 | <0.50 | <0.50 | 2,000 | <0.50 | <0.50 | <0.50 | --- |
| MW6 | 06/15/04 | --- | --- | --- | --- | --- | --- | <100 |
| MW6 | 09/13/04 | --- | --- | --- | --- | --- | --- | --- |
| MW6 | 12/22/04 | --- | --- | --- | --- | --- | --- | --- |
| MW6 | 03/24/05 | <0.50 | <0.50 | 14,700 | <0.50 | <0.50 | <0.50 | <50.0 |
| MW6 | 06/14/05 | <0.50 | <0.50 | 22,800 | <0.50 | <0.50 | <0.50 | <50.0 |
| **MW6** | **09/12/05** | **<0.500** | **<0.500** | **15,400** | **<0.500** | **<0.500** | **<0.500** | **<50.0** |

**TABLE 1B**
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | ETBE (µg/L) | TAME (µg/L) | TBA (µg/L) | 1,2-DCA (µg/L) | EDB (µg/L) | DIPE (µg/L) | Ethanol (µg/L) |
|---|---|---|---|---|---|---|---|---|
| MW7 | 09/12/94 - 04/14/00 | Not analyzed for these analytes. | | | | | | |
| MW7 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| MW7 | 07/05/00 - 02/04/02 | Not analyzed for these analytes. | | | | | | |
| MW7 | 05/06/02 | <0.50 | <0.50 | 144 | <0.50 | <0.50 | <0.50 | --- |
| MW7 | 08/22/02 - 11/14/03 | Not analyzed for these analytes. | | | | | | |
| MW7 | 03/01/04 | <0.50 | <0.50 | 295 | <0.50 | <0.50 | <0.50 | --- |
| MW7 | 06/15/04 | --- | --- | --- | --- | --- | --- | <100 |
| MW7 | 09/13/04 | --- | --- | --- | --- | --- | --- | --- |
| MW7 | 12/22/04 | --- | --- | --- | --- | --- | --- | --- |
| MW7 | 03/24/05 | <0.50 | <0.50 | 163 | <0.50 | <0.50 | <0.50 | <50.0 |
| MW7 | 06/14/05 | <0.50 | <0.50 | 878 | <0.50 | <0.50 | <0.50 | <50.0 |
| **MW7** | **09/12/05** | **<0.500** | **<0.500** | **6,910** | **<0.500** | **<0.500** | **<0.500** | **<50.0** |
| MW8 | 09/12/94 - 01/13/99 | Not analyzed for these analytes. | | | | | | |
| MW8 | 04/28/99 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 | <0.50 | --- |
| MW8 | 07/09/99 - 04/14/00 | Not analyzed for these analytes. | | | | | | |
| MW8 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| MW8 | 07/05/00 - 02/04/02 | Not analyzed for these analytes. | | | | | | |
| MW8 | 05/06/02 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 | <0.50 | --- |
| MW8 | 08/22/02 - 11/14/03 | Not analyzed for these analytes. | | | | | | |
| MW8 | 03/01/04 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 | <0.50 | --- |
| MW8 | 06/15/04 | --- | --- | --- | --- | --- | --- | <100 |
| MW8 | 09/13/04 | --- | --- | --- | --- | --- | --- | --- |
| MW8 | 12/22/04 | --- | --- | --- | --- | --- | --- | --- |
| MW8 | 03/24/05 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 | <0.50 | <50.0 |
| MW8 | 06/14/05 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 | <0.50 | <50.0 |
| **MW8** | **09/12/05** | **<0.500** | **<0.500** | **46.2** | **<0.500** | **<0.500** | **<0.500** | **<50.0** |
| MW9 | 09/12/94 - 04/14/00 | Not analyzed for these analytes. | | | | | | |
| MW9 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| MW9 | 07/05/00 - 02/04/02 | Not analyzed for these analytes. | | | | | | |
| MW9 | 05/06/02 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 | <0.50 | --- |
| MW9 | 08/22/02 - 11/14/03 | Not analyzed for these analytes. | | | | | | |
| MW9 | 03/01/04 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 | <0.50 | --- |
| MW9 | 06/15/04 | --- | --- | --- | --- | --- | --- | <100 |
| MW9 | 09/13/04 | --- | --- | --- | --- | --- | --- | --- |
| MW9 | 12/22/04 | --- | --- | --- | --- | --- | --- | --- |
| MW9 | 03/24/05 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 | <0.50 | <50.0 |
| MW9 | 06/14/05 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 | <0.50 | <50.0 |
| **MW9** | **09/12/05** | **<0.500** | **<0.500** | **<10.0** | **<0.500** | **<0.500** | **<0.500** | **<50.0** |

**TABLE 1B**
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Well ID | Sampling Date | ETBE (µg/L) | TAME (µg/L) | TBA (µg/L) | 1,2-DCA (µg/L) | EDB (µg/L) | DIPE (µg/L) | Ethanol (µg/L) |
|---|---|---|---|---|---|---|---|---|
| MW10 | 09/12/94 - 10/08/97 Not analyzed for these analytes. | | | | | | | |
| MW10 | 12/12/97 - Well destroyed. | | | | | | | |
| MW11 | 09/12/94 - 04/14/00 Not analyzed for these analytes. | | | | | | | |
| MW11 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| MW11 | 07/05/00 - 02/04/02 Not analyzed for these analytes. | | | | | | | |
| MW11 | 05/06/02 | 1.00 | <0.50 | 311 | <0.50 | <0.50 | <0.50 | --- |
| MW11 | 08/22/02 - 11/14/03 Not analyzed for these analytes. | | | | | | | |
| MW11 | 03/01/04 | <0.50 | <0.50 | 21 | <0.50 | <0.50 | <0.50 | --- |
| MW11 | 06/15/04 | --- | --- | --- | --- | --- | --- | <100 |
| MW11 | 09/13/04 | --- | --- | --- | --- | --- | --- | --- |
| MW11 | 12/22/04 | --- | --- | --- | --- | --- | --- | --- |
| MW11 | 03/24/05 | <0.50 | <0.50 | <10.0 | <0.50 | <0.50 | <0.50 | <50.0 |
| MW11 | 06/14/05 | <0.50 | <0.50 | 49.0 | <0.50 | <0.50 | <0.50 | <50.0 |
| **MW11** | **09/12/05** | **<0.500** | **<0.500** | **24.2** | **<0.500** | **<0.500** | **<0.500** | **<50.0** |
| MW12 | 10/17/95 - 04/14/00 Not analyzed for these analytes. | | | | | | | |
| MW12 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| MW12 | 07/05/00 - present Not analyzed for these analytes. | | | | | | | |
| EW1 | 09/12/94 - 04/14/00 Not analyzed for these analytes. | | | | | | | |
| EW1 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| EW1 | 07/05/00 - present Not analyzed for these analytes. | | | | | | | |
| EW2 | 09/12/94 - 04/14/00 Not analyzed for these analytes. | | | | | | | |
| EW2 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| EW2 | 07/05/00 - present Not analyzed for these analytes. | | | | | | | |
| EW3 | 09/12/94 - 04/14/00 Not analyzed for these analytes. | | | | | | | |
| EW3 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| EW3 | 07/05/00 - present Not analyzed for these analytes. | | | | | | | |
| EW4 | 09/12/94 - 04/14/00 Not analyzed for these analytes. | | | | | | | |
| EW4 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| EW4 | 07/05/00 - present Not analyzed for these analytes. | | | | | | | |
| EW5 | 09/12/94 - 04/14/00 Not analyzed for these analytes. | | | | | | | |
| EW5 | 06/16/00 - Proptery transferred to Valero Refining Company. | | | | | | | |
| EW5 | 07/05/00 - present Not analyzed for these analytes. | | | | | | | |

**TABLE 1B**
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


Notes:

| | | |
|---|---|---|
| SUBJ | = | Results of subjective evaluation, liquid-phase hydrocarbon thickness in feet. |
| 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 5030/8015 (modified). |
| TPHd | = | Total petroleum hydrocarbons as diesel using EPA Method 5030/8015 (modified). |
| 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. |
| EDB | = | 1,2-Dibromoethane analyzed using EPA Method 8260B. |
| 1,2-DCA | = | 1,2-Dichloroethane analyzed using EPA Method 8260B. |
| TAME | = | Tertiary amyl methyl ether analyzed using EPA Method 8260B. |
| TBA | = | Tertiary butyl alcohol analyzed using EPA Method 8260B. |
| ETBE | = | Ethyl tertiary butyl ether analyzed using EPA Method 8260B. |
| DIPE | = | Di-isopropyl ether analyzed using EPA Method 8260B. |
| NLPH | = | No liquid-phase hydrocarbons. |
| SPL | = | Separate-phase liquids present. |
| fbgs | = | Feet below ground surface. |
| ND | = | Not detected at or above laboratory reporting limits. |
| --- | = | Not sampled. |
| µg/L | = | Micrograms per liter. |
| < | = | Less than the stated laboratory method reporting limit. |
| a | = | Total volatile hydrocarbons by DHS /LUFT Manual Method. |
| b | = | Results obtained from a 1:10 dilution analyzed on January 17, 1995. |
| c | = | Diesel-range hydrocarbons reportedly detected in bailer blank; result is suspect. |
| d | = | TPHd was detected in the sample; however, the detections do not resemble the typical diesel pattern. |
| e | = | Well inaccessible. |
| f | = | Analyte detected in laboratory method blank; result is suspect. |

Data prior to Second Quarter 2000 provided by Delta Environmental Consultants, Inc.

**TABLE 2**
**WELL CONSTRUCTION DETAILS**
Former Exxon Service Station 7-0104
1725 Park Street
Oakland, California


| Well ID | Date Well Installed | TOC Elev. (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW1 a | 1988 | 17.29 | NS | 22 | NS | NS | NS | 6-22 | NS | NS | NS |
| MW2 a | 1988 | 16.39 | NS | 16 | NS | NS | NS | 3-15 | NS | NS | NS |
| MW3 a | 1988 | 17.02 | NS | 16 | NS | NS | NS | 4-15 | NS | NS | NS |
| MW4 a | 1988 | 17.29 | NS | 21 | NS | NS | NS | 4-19 | NS | NS | NS |
| MW5 a | 1988 | 16.64 | NS | 21 | NS | NS | NS | 5-20 | NS | NS | NS |
| MS6 a | 1988 | 17.31 | NS | 21 | NS | NS | NS | 5-20 | NS | NS | NS |
| MW7 a | 1988 | 17.06 | NS | 40 | NS | NS | NS | 3-19 | NS | NS | NS |
| MW8 | 05/05/93 | 16.24 | 8 | 21.5 | 19 | 2 | PVC | 5-19 | 0.020 | 3.5-19 | #3 Sand |
| MW9 | 05/05/93 | 15.56 | 8 | 19 | 19 | 2 | PVC | 5-19 | 0.020 | 3.5-19 | #3 Sand |
| MW10 | 12/12/97 - Well destroyed. | | | | | | | | | | |
| MW11 b | 1995 | 17.98 | 8 | 20 | 20 | 2 | PVC | 5-20 | 0.020 | 4-20 | #3 Sand |
| MW12 b | 1995 | 16.15 | 8 | 20 | 20 | 2 | PVC | 5-20 | 0.020 | 4-20 | #3 Sand |
| EW1 a | Dec. 1991 | 16.27 | NS | 41 | NS | NS | NS | 5-36 | NS | NS | NS |
| EW2 a | Dec. 1991 | 16.07 | NS | 40 | NS | NS | NS | 5-35.5 | NS | NS | NS |
| EW3 a | Dec. 1991 | 16.08 | NS | 40 | NS | NS | NS | 5-35.5 | NS | NS | NS |
| EW4 a | Dec. 1991 | 15.69 | NS | 40.5 | NS | NS | NS | 4-35.5 | NS | NS | NS |
| EW5 a | Dec. 1991 | 16.67 | NS | 41 | NS | NS | NS | 5-40 | NS | NS | NS |

**TABLE 2**

**WELL CONSTRUCTION DETAILS**

Former Exxon Service Station 7-0104
1725 Park Street
Oakland, California


| Well ID | Date Well Installed | TOC Elev. (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SW1 | 11/10/93 | NS | 8 | 20.5 | 20 | 2 | PVC | 17.5-20 | 0.010 | 16-20 | Pea Gravel |
| SM1 | 11/10/93 | NS | 8 | 20.5 | 20 | 2 | PVC | 17.5-20 | 0.010 | 16-20 | Pea Gravel |
| VW1 | 11/10/93 | NS | 8 | 7 | 7 | 2 | PVC | 4.5-7 | 0.020 | 4-7 | #3 Sand |
| VW2 | 11/10/93 | NS | 8 | 7.5 | 7 | 2 | PVC | 4.5-7 | 0.020 | 4-7 | #3 Sand |

Notes:

TOC Elev. = Top of well casing elevation; datum is mean sea level.
fbgs = Feet below ground surface.
NS = Not specified/Not available.
a = Boring logs unavailable; data obtained by using cross sections from ERI's *Site Conceptual Model*, dated August 2, 2002.
b = Boring logs unavailable; data obtained from Delta Environmental's *Proposed Additional Hydrogeologic Investigative Work*, dated November 15, 1994; data are approximate values.

**TABLE 3**
**OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Date | Sample ID | FIELD MEASUREMENTS: Hour Meter | Hours of Operation | Temp EFF F | Pressure in $H_2O$ | Vacuum in $H_2O$ | Flow lfm | Flow scfm | PID ppmv | Analytical Laboratory Results: TPHg $mg/m^3$ | MTBE $mg/m^3$ | Benzene $mg/m^3$ | TPHg Removal: Per Period Pounds | TPHg Removal: Cumulative Pounds | MTBE Removal: Per Period Pounds | MTBE Removal: Cumulative Pounds | Benzene Removal: Per Period Pounds | Benzene Removal: Cumulative Pounds | Benzene Emission Rate lbs/day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02/16/98 | System startu | --- | 0 | --- | | --- | | --- | --- | | | | | | | | | | |
| 03/24/00 | System shutdown pending evaluation | | | | | | | | | | | | | | | | | | |
| | | 12,001 | | | | | | | | | | | < 60.8 | < 60.8 | | | | --- | --- |
| 04/01/00 | Environmental Resolutions Inc., assumed operation of the system. | | | | | | | | | | | | | | | | | | |
| 06/28/00 | System upgrades completed, system restarted. | | | | | | | | | | | | | | | | | | |
| | A-INF | 12,008 | 7 | --- | | 26 | --- | --- | 770.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 18.1 | | | | | | | | | | |
| | A-EFF | | | | | | | | 13.3 | | | | | | | | | | |
| | System shutdown for carbon changeout, 2 x 500-pounds. | | | | | | | | | | | | | | | | | | |
| 07/11/00 | System down upon arrival, restart. | | | | | | | | | | | | | | | | | | |
| | A-INF | 12,011 | 3 | 86 | | 8 | 4,000 | 83 | 207.0 | 51 | | < 1.0 | 0.16 | < 61.0 | | | 0.00 | 0.0 | |
| | A-INT | | | | | | | | 9.1 | < 10 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | < 10 | | < 1.0 | | | | | | | < 0.01 |
| 07/20/00 | System running upon arrival (VES only). System running on departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 12,226 | 215 | 78 | | 9 | 4,500 | 95 | 42.3 | | | | | | | | | | |
| | A-INT | | | | | | | | 2.4 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 07/31/00 | System down on departure for carbon changeout (2x500 lb). | | | | | | | | | | | | | | | | | | |
| | A-INF | 12,493 | 267 | 87 | | 9 | 4,500 | 93 | 266.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 73.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 41.2 | | | | | | | | | | |
| 08/10/00 | System down upon arrival for carbon changeout. System running on departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 12,733 | 0 | 80 | | 30 | 800 | 16 | 53.5 | 43 | | < 1 | 6.27 | < 67.2 | | | < 0.13 | < 0.14 | |
| | A-INT | | | | | | | | 0.0 | < 10 | | < 1 | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | < 10 | | < 1 | | | | | | | < 0.001 |
| 08/16/00 | A-INF | 12,874 | 141 | 84 | | 31.5 | 250 | 5 | 164.1 | | | | | | | | | | |
| | A-INT | | | | | | | | 0.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 08/24/00 | System down on departure for carbon changeout. | | | | | | | | | | | | | | | | | | |
| | A-INF | 13,065 | 191 | 76 | | 20 | 2,400 | 49 | 294.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 23.7 | | | | | | | | | | |
| | A-EFF | | | | | | | | 2.4 | | | | | | | | | | |
| 09/12/00 | System down upon arrival for carbon changeout. System running on departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 13,070 | 5 | 74 | | 20 | 2,600 | 53 | 247.5 | 190 | | 2.5 | 5.09 | < 72.3 | | | 0.08 | < 0.21 | |
| | A-INT | | | | | | | | 0.0 | < 10 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | < 10 | | < 1.0 | | | | | | | < 0.00 |
| 09/26/00 | A-INF | 13,406 | 336 | 80 | | 22 | 2,450 | 50 | 448.7 | | | | | | | | | | |
| | A-INT | | | | | | | | 10.7 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |

**TABLE 3**
**OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| | | FIELD MEASUREMENTS | | | | | | | | Analytical Laboratory Results | | | TPHg Removal | | MTBE Removal | | Benzene Removal | | Benzene |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Sample ID | Hour Meter | Hours of Operation | Temp EFF F | Pressure in $H_2O$ | Vacuum in $H_2O$ | Flow lfm | Flow scfm | PID ppmv | TPHg $mg/m^3$ | MTBE $mg/m^3$ | Benzene $mg/m^3$ | Per Period Pounds | Cumulative Pounds | Per Period Pounds | Cumulative Pounds | Per Period Pounds | Cumulative Pounds | Emission Rate lbs/day |
| 10/12/00 | System running on arrival and down upon departure for carbon c/o. Samples taken | | | | | | | | | | | | | | | | | | |
| | A-INF | 13,786 | 380 | 67 | | 24 | 2,400 | 50 | 96.4 | 55 | | < 1.0 | 16.90 | < 89.2 | | | < 0.24 | < 0.45 | |
| | A-INT | | | | | | | | 72.3 | 21 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 9.0 | < 10 | | < 1.0 | | | | | | | < 0.004 |
| 10/30/00 | System down upon arrival for carbon changeout. System running on departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 13,788 | 2 | 56 | | 24 | 2,450 | 52 | 10,024 | 1,700 | | 15 | 0.33 | < 89.5 | | | 0.00 | < 0.46 | |
| | A-INT | | | | | | | | 59.1 | < 10 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | < 10 | | < 1.0 | | | | | | | < 0.005 |
| 11/08/00 | A-INF | 14,008 | 220 | 60 | | 25 | 2,300 | 48 | 102.6 | 29 | | < 1.0 | 35.42 | < 125.0 | | | < 0.33 | < 0.79 | |
| | A-INT | | | | | | | | 41.8 | < 10 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | Stet | < 10 | | < 1.0 | | | | | | | < 0.004 |
| 11/21/00 | System running upon arrival. System down upon departure for carbon changeout. | | | | | | | | | | | | | | | | | | |
| | A-INF | 14,314 | 306 | 68 | | 25 | 2,300 | 47 | 322.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 32.3 | | | | | | | | | | |
| | A-EFF | | | | | | | | 42.9 | | | | | | | | | | |
| 12/06/00 | System down upon arrival for carbon changeout. System down upon departure for carbon changeout | | | | | | | | | | | | | | | | | | |
| 12/11/00 | System down on arrival due to carbon changeout. Running on departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 14,316 | 2 | 52 | | 24 | 2,400 | 51 | 957 | 240 | | 2.1 | 7.66 | < 132.6 | | | 0.09 | < 0.87 | |
| | A-INT | | | | | | | | 1.2 | < 10 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 3.1 | < 10 | | < 1.0 | | | | | | | < 0.005 |
| 12/27/00 | A-INF | 14,697 | 381 | 56 | | 26 | 2,600 | 54 | 192.1 | | | | | | | | | | |
| | A-INT | | | | | | | | 4.8 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 01/09/01 | A-INF | 15,012 | 315 | 56 | | 25 | 2,400 | 50 | 82.4 | 32 | | < 1.0 | 17.95 | < 150.6 | | | < 0.20 | < 1.08 | |
| | A-INT | | | | | | | | 23.2 | < 10 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | < 10 | | < 1.0 | | | | | | | < 0.005 |
| 01/23/01 | System down on departure for carbon changeout. | | | | | | | | | | | | | | | | | | |
| | A-INF | 15,353 | 341 | 60 | | 26 | 2,300 | 48 | 485.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 35.2 | | | | | | | | | | |
| | A-EFF | | | | | | | | 20.7 | | | | | | | | | | |
| 01/31/01 | A-INF | 15,355 | 2 | 45 | | 33 | 1,500 | 32 | 10000 | | | | | | | | | | |
| | A-INT | | | | | | | | 0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0 | | | | | | | | | | |
| 02/13/01 | A-INF | 15,669 | 314 | 56 | | 12 | 4,000 | 87 | 37.8 | 31 | | < 1.0 | 5.32 | < 155.9 | | | < 0.17 | < 1.25 | |
| | A-INT | | | | | | | | 29.5 | < 10 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 0 | < 10 | | < 1.0 | | | | | | | < 0.008 |
| 02/27/01 | System down upon departure for C/O. | | | | | | | | | | | | | | | | | | |
| | A-INF | 15,999 | 330 | 70 | | 8 | 4,000 | 85 | 316 | | | | | | | | | | |
| | A-INT | | | | | | | | 37.5 | | | | | | | | | | |
| | A-EFF | | | | | | | | 73.6 | | | | | | | | | | |
| 03/13/01 | System down upon arrival for C/O and running upon departure. Monthly samples taken. | | | | | | | | | | | | | | | | | | |
| | A-INF | 16,002 | 3 | 65 | | 9 | 4,000 | 86 | 5833 | 1300 | | 6.1 | 71.70 | < 227.6 | | | 0.38 | < 1.63 | |
| | A-INT | | | | | | | | 190.4 | 16 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 0 | 11 | | < 1.0 | | | | | | | < 0.008 |
| 03/27/01 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 16,336 | 334 | 62 | | 10 | 4,000 | 86 | 182.6 | | | | | | | | | | |
| | A-INT | | | | | | | | 16.8 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0 | | | | | | | | | | |

**TABLE 3**
**OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California
(Page 3 of 10)

| Date | Sample ID | FIELD MEASUREMENTS Hour Meter | Hours of Operation | Temp EFF F | Pressure in $H_2O$ | Vacuum in $H_2O$ | Flow lfm | Flow scfm | PID ppmv | Analytical Laboratory Results TPHg $mg/m^3$ | MTBE $mg/m^3$ | Benzene $mg/m^3$ | TPHg Removal Per Period Pounds | TPHg Removal Cumulative Pounds | MTBE Removal Per Period Pounds | MTBE Removal Cumulative Pounds | Benzene Removal Per Period Pounds | Benzene Removal Cumulative Pounds | Benzene Emission Rate lbs/day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04/12/01 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 16,725 | 389 | 72 | | 8 | 4,000 | 85 | 4.8 | | | | | | | | | | |
| | A-INT | | | | | | | | 2.6 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0 | | | | | | | | | | |
| 04/25/01 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 17,034 | 309 | 80 | | 9 | 4,000 | 84 | 18.6 | < 10 | | < 1.0 | < 214.61 | < 442.2 | | | < 1.16 | < 2.79 | |
| | A-INT | | | | | | | | 9.5 | < 10 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 0 | 26 | | < 1.0 | | | | | | | < 0.008 |
| 05/09/01 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 17,371 | 337 | 86 | | 10 | 4,000 | 83 | 11.3 | < 10 | | < 1.0 | < 1.05 | < 443.3 | | | < 0.10 | < 2.90 | |
| | A-INT | | | | | | | | 3.6 | < 10 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 5.9 | < 10 | | < 1.0 | | | | | | | < 0.007 |
| 05/24/01 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 17,734 | 363 | 86 | | 20 | 3,050 | 61 | 6.2 | | | | | | | | | | |
| | A-INT | | | | | | | | 1.6 | | | | | | | | | | |
| | A-EFF | | | | | | | | 3.1 | | | | | | | | | | |
| 06/04/01 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 17,992 | 258 | 80 | | 40 | 500 | 10 | 496 | 280 | | < 1.0 | < 15.53 | < 458.8 | | | < 0.11 | < 3.00 | |
| | A-INT | | | | | | | | 19.7 | < 10 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 3.2 | < 10 | | < 1.0 | | | | | | | < 0.001 |
| 06/19/01 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 18,353 | 361 | 80 | | 38 | 500 | 10 | 140 | | | | | | | | | | |
| | A-INT | | | | | | | | 6.4 | | | | | | | | | | |
| | A-EFF | | | | | | | | 3.0 | | | | | | | | | | |
| 07/02/01 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 18,660 | 307 | 80 | | 38 | 500 | 10 | 7.2 | | | | | | | | | | |
| | A-INT | | | | | | | | 0.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 07/17/01 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 19,028 | 368 | 75 | | 10 | 4,000 | 84 | 0.0 | < 10 | | < 1.0 | < 26.38 | < 485.2 | | | < 0.18 | < 3.19 | |
| | A-INT | | | | | | | | 0.0 | < 10 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | < 10 | | < 1.0 | | | | | | | < 0.008 |
| 08/07/01 | System running on arrival and shut down on departure for blower failure | | | | | | | | | | | | | | | | | | |
| | A-INF | --- | --- | --- | | --- | --- | --- | | | | | | | | | | | |
| | A-INT | | --- | --- | | --- | --- | --- | | | | | | | | | | | |
| | A-EFF | | --- | --- | | --- | --- | --- | | | | | | | | | | | |
| 08/13/01 | System down on arrival, blower removed awaiting replacement. | | | | | | | | | | | | | | | | | | |
| 08/27/01 | System down, awaiting blower replacement. | | | | | | | | | | | | | | | | | | |
| 09/10/01 | System down, awaiting blower replacement. | | | | | | | | | | | | | | | | | | |
| 10/18/01 | System down on arrival, installed blower, and running on departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 19,534 | 506 | 120 | | 31 | 4,000 | 74 | 568.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 3.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 2.0 | | | | | | | | | | |

**TABLE 3**
**OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Date | Sample ID | Hour Meter | Hours of Operation | Temp EFF F | Pressure in $H_2O$ | Vacuum in $H_2O$ | Flow lfm | Flow scfm | PID ppmv | Analytical Laboratory Results TPHg $mg/m^3$ | MTBE $mg/m^3$ | Benzene $mg/m^3$ | TPHg Removal Per Period Pounds | TPHg Removal Cumulative Pounds | MTBE Removal Per Period Pounds | MTBE Removal Cumulative Pounds | Benzene Removal Per Period Pounds | Benzene Removal Cumulative Pounds | Benzene Emission Rate lbs/day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/24/01 | System running on arrival and running upon departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 19,673 | 139 | 80 | | 41 | 3,300 | 63 | 93.1 | 72 | | < 1.0 | 7.31 | < 492.5 | | | < 0.18 | < 3.36 | |
| | A-INT | | | | | | | | 7.3 | < 10 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 5 | < 10 | | < 1.0 | | | | | | | < 0.006 |
| 11/07/01 | System running on arrival and down upon departure for carbon c/o. Samples taken | | | | | | | | | | | | | | | | | | |
| | A-INF | 20,012 | 339 | 74 | | 45 | 3,000 | 58 | 230.0 | 55 | | < 1.0 | 4.88 | < 497.4 | | | < 0.08 | < 3.44 | |
| | A-INT | | | | | | | | 27.0 | < 10 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 5.1 | < 10 | | < 1.0 | | | | | | | < 0.005 |
| 11/21/01 | System running on arrival and down upon departure for carbon c/o. Samples taken | | | | | | | | | | | | | | | | | | |
| | A-INF | 20,012 | 0 | 150 | | 45 | 3,000 | 51 | 373.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 0.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0 | | | | | | | | | | |
| 12/12/01 | System down upon arrival, K.O. tank H/H, and running upon departure. | | | | | | | | | | | | | | | | | | |
| 12/12/01 | A-INF | 20,361 | 349 | 142 | | 46 | 3,000 | 51 | 98.1 | 45 | | 1.3 | 3.55 | < 500.9 | | | 0.08 | < 3.52 | |
| | A-INT | | | | | | | | 1.0 | < 10 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 2.7 | < 10 | | < 1.0 | | | | | | | < 0.005 |
| 12/27/01 | System down upon arrival and running upon departure. | | | | | | | | | | | | | | | | | | |
| 12/27/01 | A-INF | 20,508 | 147 | 142 | | 44 | 2,400 | 41 | 2396 | | | | | | | | | | |
| | A-INT | | | | | | | | 2.4 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0 | | | | | | | | | | |
| 01/09/02 | System down upon arrival, K.O. tank H/H, and running upon departure. | | | | | | | | | | | | | | | | | | |
| 01/09/02 | A-INF | 20,541 | 33 | 148 | | 42 | 2,700 | 46 | 794.5 | 670 | | 8.0 | 11.68 | < 512.6 | | | 0.15 | < 3.67 | |
| | A-INT | | | | | | | | 36.2 | < 10 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 2 | < 10 | | < 1.0 | | | | | | | < 0.004 |
| 01/23/02 | System running upon arrival and down upon departure for carbon c/o. | | | | | | | | | | | | | | | | | | |
| 01/23/02 | A-INF | 20,876 | 335 | 136 | | 45 | 3,800 | 66 | 41.2 | | | | | | | | | | |
| | A-INT | | | | | | | | 8.3 | | | | | | | | | | |
| | A-EFF | | | | | | | | 7.2 | | | | | | | | | | |
| 02/06/02 | System down upon arrival and running upon departure. | | | | | | | | | | | | | | | | | | |
| 02/06/02 | A-INF | 20,877 | 1 | 50 | | 50 | 3,000 | 60 | 260 | 458 | | 24.5 | 37.43 | < 550.0 | | | 1.08 | < 4.75 | |
| | A-INT | | | | | | | | 4.9 | < 5.00 | | < 0.500 | | | | | | | |
| | A-EFF | | | | | | | | 0.1 | < 5.00 | | < 0.500 | | | | | | | < 0.003 |
| 02/21/02 | System running upon arrival and upon departure. | | | | | | | | | | | | | | | | | | |
| 02/21/02 | A-INF | 21,237 | 360 | 158 | | 50 | 2,600 | 43 | 189.8 | | | | | | | | | | |
| | A-INT | | | | | | | | 4.7 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 03/06/02 | System running upon arrival and upon departure. | | | | | | | | | | | | | | | | | | |
| 03/06/02 | A-INF | 21,549 | 312 | 152 | | 45 | 2,800 | 47 | 185.2 | 82.3 | | 2.90 | 36.20 | < 586.2 | | | 1.84 | < 6.59 | |
| | A-INT | | | | | | | | 14.2 | 15.1 | | < 0.500 | | | | | | | |
| | A-EFF | | | | | | | | 1.4 | 16.0 | | < 0.500 | | | | | | | < 0.002 |
| 03/21/02 | System running upon arrival and upon departure. Installed pressure gauge for field reading. | | | | | | | | | | | | | | | | | | |
| 03/21/02 | A-INF | 21,913 | 364 | 146 | --- | 38 | 3,200 | 55 | 96.3 | | | | | | | | | | |
| | A-INT | | | | | | | | 1.5 | | | | | | | | | | |
| | A-EFF | | | | | | | | 1.7 | | | | | | | | | | |
| 04/10/02 | System running upon arrival and down upon departure. | | | | | | | | | | | | | | | | | | |
| 04/10/02 | A-INF | 22,393 | 480 | 76 | --- | 45 | 3,200 | 61 | 64.3 | 12.0 | | 0.16 | 8.06 | < 594.3 | | | 0.26 | < 6.85 | |
| | A-INT | | | | | | | | 19.6 | < 10 | | < 0.10 | | | | | | | |
| | A-EFF | | | | | | | | 6 | < 10 | | < 0.10 | | | | | | | < 0.001 |

**TABLE 3**
**OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Date | Sample ID | Hour Meter | Hours of Operation | Temp EFF F | Pressure in $H_2O$ | Vacuum in $H_2O$ | Flow lfm | Flow scfm | PID ppmv | Analytical Laboratory Results TPHg $mg/m^3$ | MTBE $mg/m^3$ | Benzene $mg/m^3$ | TPHg Removal Per Period Pounds | TPHg Removal Cumulative Pounds | MTBE Removal Per Period Pounds | MTBE Removal Cumulative Pounds | Benzene Removal Per Period Pounds | Benzene Removal Cumulative Pounds | Benzene Emission Rate lbs/day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05/08/02 | System down upon arrival and running upon departure. | | | | | | | | | | | | | | | | | | |
| 05/08/02 | A-INF | 22,394 | 1 | 109 | --- | 37 | 3,000 | 55 | 354.1 | 440.0 | | 3.2 | 0.05 | < 594.3 | | | 0.00 | < 6.85 | |
| | A-INT | | | | | | | | 16.7 | < 10 | | < 0.10 | | | | | | | |
| | A-EFF | | | | | | | | 11.9 | 10 | | < 0.10 | | | | | | | < 0.000 |
| 05/16/02 | System running upon arrival and upon departure. | | | | | | | | | | | | | | | | | | |
| 05/16/02 | A-INF | 22,592 | 198 | 118 | 7 | 41 | 2,800 | 50 | 98.1 | | | | | | | | | | |
| | A-INT | | | | | | | | 3.9 | | | | | | | | | | |
| | A-EFF | | | | | | | | 3.9 | | | | | | | | | | |
| 05/22/02 | System running upon arrival and upon departure. | | | | | | | | | | | | | | | | | | |
| 05/22/02 | A-INF | 22,731 | 139 | 118 | 7 | 38 | 2,800 | 51 | 98.1 | | | | | | | | | | |
| | A-INT | | | | | | | | 3.9 | | | | | | | | | | |
| | A-EFF | | | | | | | | 3.9 | | | | | | | | | | |
| 06/05/02 | System running upon arrival and down upon departure for carbon changeout. | | | | | | | | | | | | | | | | | | |
| 06/05/02 | A-INF | 23,068 | 337 | 118 | --- | 38 | 3,000 | 54 | 101.1 | | | | | | | | | | |
| | A-INT | | | | | | | | 10.1 | | | | | | | | | | |
| | A-EFF | | | | | | | | 18.2 | | | | | | | | | | |
| 06/19/02 | System down upon arrival and running upon departure. | | | | | | | | | | | | | | | | | | |
| 06/19/02 | A-INF | 23,068 | 0 | 76 | --- | 9 | 3,000 | 63 | 178.8 | 120.0 | | 0.83 | 41.86 | < 636.2 | | | 0.30 | < 7.15 | |
| | A-INT | | | | | | | | 0.0 | < 10 | | < 0.10 | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | < 10 | | < 0.10 | | | | | | | < 0.001 |
| 07/03/02 | System running upon arrival and upon departure. | | | | | | | | | | | | | | | | | | |
| 07/03/02 | A-INF | 23,409 | 341 | 112 | --- | 25 | 3,000 | 57 | 62.2 | 33 | | 0.25 | 5.86 | < 642.1 | | | 0.04 | < 7.19 | |
| | A-INT | | | | | | | | 0.0 | < 10 | | < 0.10 | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | < 10 | | < 0.10 | | | | | | | < 0.001 |
| 07/17/02 | System down upon arrival and running upon departure. | | | | | | | | | | | | | | | | | | |
| 07/17/02 | A-INF | 23,434 | 25 | 109 | — | 70 | 3,000 | 50 | 82.2 | | | | | | | | | | |
| | A-INT | | | | | | | | 0.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 07/31/02 | System running upon arrival and upon departure. | | | | | | | | | | | | | | | | | | |
| 07/31/02 | A-INF | 23,764 | 330 | 110 | — | 21 | 3,000 | 58 | 16.4 | | | | | | | | | | |
| | A-INT | | | | | | | | 0.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 08/14/02 | System running upon arrival and upon departure. | | | | | | | | | | | | | | | | | | |
| 08/14/02 | A-INF | 24,103 | 339 | 112 | --- | 16 | 3,000 | 58 | 9.8 | 19 | | 0.21 | 3.88 | < 645.9 | | | 0.03 | < 7.23 | |
| | A-INT | | | | | | | | 0.0 | < 10 | | < 0.10 | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | < 10 | | < 0.10 | | | | | | | < 0.001 |
| 08/28/02 | System running upon arrival and down upon departure. | | | | | | | | | | | | | | | | | | |
| 08/28/02 | A-INF | 24,414 | 311 | 110 | --- | 16 | 3,000 | 58 | 16.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 0.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 11/06/02 | System down upon arrival and running upon departure. | | | | | | | | | | | | | | | | | | |
| 11/06/02 | A-INF | 24,415 | 1 | 106 | --- | 26 | 3,000 | 57 | 1282 | 1,300 | | 12 | 44.46 | < 690.4 | | | 0.41 | < 7.64 | |
| | A-INT | | | | | | | | 0.0 | < 10 | | < 0.10 | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | < 10 | | < 0.10 | | | | | | | < 0.001 |
| 11/20/02 | System running upon arrival and upon departure. | | | | | | | | | | | | | | | | | | |
| 11/20/02 | A-INF | 24,754 | 339 | 122 | — | 36 | 3,300 | 60 | 67.6 | | | | | | | | | | |
| | A-INT | | | | | | | | 1.1 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |

**TABLE 3**
**OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Date | Sample ID | Hour Meter | Hours of Operation | Temp EFF F | Pressure in $H_2O$ | Vacuum in $H_2O$ | Flow ffm | Flow scfm | PID ppmv | Analytical Laboratory Results TPHg $mg/m^3$ | MTBE $mg/m^3$ | Benzene $mg/m^3$ | TPHg Removal Per Period Pounds | TPHg Removal Cumulative Pounds | MTBE Removal Per Period Pounds | MTBE Removal Cumulative Pounds | Benzene Removal Per Period Pounds | Benzene Removal Cumulative Pounds | Benzene Emission Rate lbs/day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/04/02 | System running upon arrival and upon departure. | | | | | | | | | | | | | | | | | | |
| 12/04/02 | A-INF | 25,084 | 330 | 112 | --- | 46 | 3,200 | 57 | 47.5 | < 500 | | < 5.0 | < 129.10 | < 819.5 | | | < 1.22 | < 8.86 | |
| | A-INT | | | | | | | | 0.2 | < 100 | | < 1.0 | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | < 100 | | < 1.0 | | | | | | | < 0.005 |
| 12/18/02 | System running upon arrival and upon departure. Carbon C/O performed. | | | | | | | | | | | | | | | | | | |
| | A-INF | 25,422 | 668 | 112 | 7 | 46 | 3,000 | 54 | 76.1 | | | | | | | | | | |
| | A-INT | | | | | | | | 2.1 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 01/06/03 | System running upon arrival and down upon departure for carbon C/O. | | | | | | | | | | | | | | | | | | |
| | A-INF | 25,875 | 453 | --- | --- | 35 | 3200 | --- | 372.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 602.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 604.0 | | | | | | | | | | |
| 01/15/03 | System down on arrival and running on departure. | | | | | | | | | | | | | | | | | | |
| 01/15/03 | A-INF | 25,875 | 0 | 112 | --- | 45 | 2,800 | 50 | 134.0 | 110 | | 1.4 | < 48.56 | < 868.1 | | | < 0.51 | < 9.37 | |
| | A-INT | | | | | | | | 1.3 | 22 | | < 0.20 | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | < 20 | | < 0.20 | | | | | | | < 0.001 |
| 01/29/03 | System running upon arrival and departure. | | | | | | | | | | | | | | | | | | |
| 01/29/03 | A-INF | 26,210 | 335 | 114 | --- | 45 | 2,700 | 48 | 56.9 | | | | | | | | | | |
| | A-INT | | | | | | | | 0.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 02/12/03 | System running upon arrival and departure. | | | | | | | | | | | | | | | | | | |
| 02/12/03 | A-INF | 26,548 | 338 | 110 | --- | 44 | 2,800 | 51 | 50.6 | 24 | | 0.27 | 8.51 | < 876.6 | | | 0.11 | < 9.47 | |
| | A-INT | | | | | | | | 3.4 | 90 | | 1.1 | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | < 10 | | < 0.10 | | | | | | | < 0.000 |
| 02/26/03 | System running upon arrival and departure. Carbon C/O performed | | | | | | | | | | | | | | | | | | |
| 02/26/03 | A-INF | 26,884 | 336 | 112 | --- | 44 | 2,300 | 46 | 122.9 | | | | | | | | | | |
| | A-INT | | | | | | | | 1.9 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 03/12/03 | System running upon arrival and departure. Carbon C/O performed | | | | | | | | | | | | | | | | | | |
| | A-INF | 27,218 | 334 | 120 | --- | 43 | 2,600 | 52 | 30.4 | 59 | | 0.81 | 5.33 | < 881.9 | | | 0.07 | < 9.54 | |
| | A-INT | | | | | | | | 0.6 | < 10 | | < 0.10 | | | | | | | |
| | A-EFF | | | | | | | | 0.1 | < 10 | | < 0.10 | | | | | | | < 0.000 |
| 03/26/03 | System running upon arrival and departure. | | | | | | | | | | | | | | | | | | |
| 03/26/03 | A-INF | 27,555 | 337 | 116 | --- | 40 | 2,700 | 54 | 12.4 | | | | | | | | | | |
| | A-INT | | | | | | | | 2.5 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.1 | | | | | | | | | | |
| 04/09/03 | System running upon arrival and departure. | | | | | | | | | | | | | | | | | | |
| 04/09/03 | A-INF | 27,889 | 334 | 120 | --- | 40 | 2,800 | 56 | 36.0 | 57 | | 0.36 | 7.83 | < 889.7 | | | 0.08 | < 9.62 | |
| | A-INT | | | | | | | | 2.4 | < 10 | | < 0.10 | | | | | | | |
| | A-EFF | | | | | | | | 1.0 | < 10 | | < 0.10 | | | | | | | < 0.001 |
| 04/23/03 | System running upon arrival and departure. | | | | | | | | | | | | | | | | | | |
| 04/23/03 | A-INF | 28,227 | 338 | 113 | --- | 39 | 2,400 | 48 | 54.7 | | | | | | | | | | |
| | A-INT | | | | | | | | 4.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 3.7 | | | | | | | | | | |
| 05/07/03 | System running upon arrival and departure. | | | | | | | | | | | | | | | | | | |
| 05/07/03 | A-INF | 28,563 | 336 | 118 | --- | 40 | 2,500 | 50 | 8.5 | 14 | | 0.34 | 4.73 | < 894.5 | | | 0.05 | < 9.67 | |
| | A-INT | | | | | | | | 1.8 | < 10 | | < 0.10 | | | | | | | |
| | A-EFF | | | | | | | | 2.2 | < 10 | | < 0.10 | | | | | | | < 0.000 |

**TABLE 3**
**OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Date | Sample ID | Hour Meter | Hours of Operation | Temp EFF F | Pressure in $H_2O$ | Vacuum in $H_2O$ | Flow ifm | Flow scfm | PID ppmv | Analytical Laboratory Results TPHg $mg/m^3$ | MTBE $mg/m^3$ | Benzene $mg/m^3$ | TPHg Removal Per Period Pounds | TPHg Removal Cumulative Pounds | MTBE Removal Per Period Pounds | MTBE Removal Cumulative Pounds | Benzene Removal Per Period Pounds | Benzene Removal Cumulative Pounds | Benzene Emission Rate lbs/day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | FIELD MEASUREMENTS | | | | | | | | | | | | |
| 05/21/03 | System running upon arrival and departure. | | | | | | | | | | | | | | | | | | |
| 05/21/03 | A-INF | 28,900 | 337 | 127 | --- | 38 | 2,750 | 54 | 15.8 | | | | | | | | | | |
| | A-INT | | | | | | | | 2.4 | | | | | | | | | | |
| | A-EFF | | | | | | | | 1.3 | | | | | | | | | | |
| 06/04/03 | System running on arrival, down on departure for carbon c/o | | | | | | | | | | | | | | | | | | |
| | A-INF | 29,234 | 334 | 121 | --- | 39 | 2,900 | 58 | 81.2 | | | | | | | | | | |
| | A-INT | | | | | | | | 90.7 | | | | | | | | | | |
| | A-EFF | | | | | | | | 70.2 | | | | | | | | | | |
| 06/18/03 | System down on arrival for c/o, running on departure. Samples taken. | | | | | | | | | | | | | | | | | | |
| | A-INF | 29,237 | 3 | 120 | --- | 39 | 2,800 | 56 | 120.0 | 790 | | 12 | 53.58 | < 948.0 | | | 0.82 | < 10.49 | |
| | A-INT | | | | | | | | 0.1 | < 10 | | 0.13 | | | | | | | |
| | A-EFF | | | | | | | | 0.1 | < 10 | | < 0.10 | | | | | | | < 0.001 |
| 07/02/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 29,576 | 339 | 120 | --- | 38 | 3,200 | 64 | 91.0 | 70 | | 1.1 | 32.58 | < 980.6 | | | 0.50 | < 10.99 | |
| | A-INT | | | | | | | | 0.0 | < 10 | | < 0.10 | | | | | | | |
| | A-EFF | | | | | | | | 0.1 | < 10 | | < 0.10 | | | | | | | < 0.001 |
| 07/16/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 29,910 | 334 | 129 | --- | 39 | 3,150 | 62 | 95.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 6.6 | | | | | | | | | | |
| | A-EFF | | | | | | | | 2.5 | | | | | | | | | | |
| 07/30/03 | System running on arrival. Shut down for carbon c/o. Down on departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 30,241 | 331 | 118 | --- | 40 | 3,050 | 61 | 51.7 | | | | | | | | | | |
| | A-INT | | | | | | | | 22.6 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 08/13/03 | System down on arrival. Restarted. Running on departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 30,244 | 3 | 125 | --- | 39 | 3,100 | 61 | 321.0 | 110 | | 1.9 | 14.05 | < 994.7 | | | 0.23 | < 11.22 | |
| | A-INT | | | | | | | | 5.7 | < 10 | | < 0.10 | | | | | | | |
| | A-EFF | | | | | | | | 6.8 | 10 | | 0.26 | | | | | | | < 0.001 |
| 08/27/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 30,501 | 257 | 121 | --- | 39 | 2,900 | 58 | 122.6 | | | | | | | | | | |
| | A-INT | | | | | | | | 2.6 | | | | | | | | | | |
| | A-EFF | | | | | | | | 1.5 | | | | | | | | | | |
| 09/10/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 30,919 | 418 | 126 | --- | 40 | 2,650 | 52 | 117.0 | 93 | | 2.4 | 14.54 | < 1,009.2 | | | 0.31 | < 11.53 | |
| | A-INT | | | | | | | | 6.4 | < 10 | | < 0.10 | | | | | | | |
| | A-EFF | | | | | | | | 3.0 | < 10 | | < 0.10 | | | | | | | < 0.0005 |
| 09/24/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 31,256 | 337 | 120 | --- | 38.5 | 3,150 | 63 | 96.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 17.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.6 | | | | | | | | | | |
| 10/08/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 31,587 | 331 | 120 | --- | 38 | 3,000 | 60 | 31.0 | 33 | | 0.52 | 8.82 | < 1,018.0 | | | 0.20 | < 11.73 | |
| | A-INT | | | | | | | | 1.9 | < 10 | | < 0.10 | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | < 10 | | < 0.10 | | | | | | | < 0.0005 |
| 10/22/03 | System running on arrival. Shut down due to bad motor starter. Down on departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 31,923 | 336 | nm | --- | 41 | 2,700 | nc | 36.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 3.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 2.0 | | | | | | | | | | |
| 11/03/03 | System down on arrival and departure. | | | | | | | | | | | | | | | | | | |

**TABLE 3**
**OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California
(Page 8 of 10)

| Date | Sample ID | Hour Meter | Hours of Operation | Temp EFF F | Pressure in $H_2O$ | Vacuum in $H_2O$ | Flow lfm | Flow scfm | PID ppmv | Analytical Laboratory Results TPHg $mg/m^3$ | MTBE $mg/m^3$ | Benzene $mg/m^3$ | TPHg Removal Per Period Pounds | TPHg Removal Cumulative Pounds | MTBE Removal Per Period Pounds | MTBE Removal Cumulative Pounds | Benzene Removal Per Period Pounds | Benzene Removal Cumulative Pounds | Benzene Emission Rate lbs/day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | FIELD MEASUREMENTS | | | | | | | | | | | | | |
| 11/12/03 | System down on arrival and departure. Replaced blower motor starter heater assembly. | | | | | | | | | | | | | | | | | | |
| 11/17/03 | System down on arrival. Restarted. Running on departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 31,927 | 4 | 110 | — | 36 | 3,100 | 63 | 262.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 3.1 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.2 | | | | | | | | | | |
| 12/01/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 32,263 | 336 | 108 | — | 38 | 2,800 | 57 | 25.3 | 26 | | 0.55 | 4.35 | < 1,022.4 | | | 0.08 | < 11.81 | |
| | A-INT | | | | | | | | 0.0 | < 10 | | < 0.10 | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | < 10 | | < 0.10 | | | | | | | < 0.0005 |
| 12/15/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 32,600 | 337 | 102 | 10 | 32 | 3,400 | 70 | 53.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 7.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 2.7 | | | | | | | | | | |
| 12/29/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | |
| | A-INF | 32,932 | 332 | 94 | 9.5 | 34 | 3,400 | 71 | 46.9 | | | | | | | | | | |
| | A-INT | | | | | | | | 0.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 01/12/04 | System down on arrival, GRS transfer pump failure. System down for knockout drum replacement. | | | | | | | | | | | | | | | | | | |
| 01/26/04 | System down on arrival and departure, blower not starting (needs troubleshooting). | | | | | | | | | | | | | | | | | | |
| 02/09/04 | System down on arrival and departure, blower not starting (needs troubleshooting). | | | | | | | | | | | | | | | | | | |
| | System retrofit complete, commencing startup with new blower and new BAAQMD conditions. | | | | | | | | | | | | | | | | | | |
| 06/27/05 | Retrofitted system startup. | | | | | | | | | | | | | | | | | | |
| 06/27/05 | A-INF | 33,268 | 336 | 72 | 1 | 136.1 | 3,900 | 85 | 185.6 | 124 | 8.63 | 11.3 | 19.97 | < 1,042.3 | 0.00 | 0.0 | 1.58 | < 13.39 | |
| | A-INT | | | | | | | | 0.0 | < 10.2 | < 0.508 | < 0.508 | | | | | | | |
| | A-EFF | | | | | | | | 0.6 | < 10.2 | < 0.508 | < 0.508 | | | | | | | < 0.0039 |
| 06/28/05 | A-INF | 33,269 | 1 | 72 | 2 | 88.5 | 3,400 | 74 | 34.1 | | | | | | | | | | |
| | A-INT | | | | | | | | 0.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 06/29/05 | Shut down system on departure for bi-weekly visitation request with the BAAQMD. | | | | | | | | | | | | | | | | | | |
| 06/29/05 | A-INF | 33,289 | 20 | 72 | 1 | 74.9 | 2,800 | 61 | 711.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 0.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 07/01/05 | SVE system down awaiting AQMD permit modification. | | | | | | | | | | | | | | | | | | |
| 07/08/05 | Restart system with bi-weekly visitation frequency (BAAQMD) | | | | | | | | | | | | | | | | | | |
| 07/08/05 | A-INF | 33,291 | 2 | 70 | 2 | 95.3 | 3,000 | 65 | 571.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 0.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 4.7 | | | | | | | | | | |
| 07/11/05 | Shut down system on departure for vapor phase carbon changeout 3@500lbs. | | | | | | | | | | | | | | | | | | |
| 07/11/05 | A-INF | 33,362 | 71 | 79 | 1 | 68.1 | 4,000 | 86 | 1683.0 | | | | | | | | | | |
| | A-INT | | | | | | | | 196.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 224.0 | | | | | | | | | | |
| 07/15/05 | Restarted system post VPC changeout. Added one more 500lb vessel in series, three total before discharge to atmosphere. | | | | | | | | | | | | | | | | | | |
| 07/15/05 | A-INF | 33,363 | 1 | 78 | 2 | 108.9 | 3,000 | 64 | 440.0 | | | | | | | | | | |
| | A-INT1 | | | | | | | | 0.0 | | | | | | | | | | |
| | A-INT2 | | | | | | | | 0.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |

**TABLE 3**
**OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Date | Sample ID | Hour Meter | Hours of Operation | FIELD MEASUREMENTS Temp EFF F | Pressure in $H_2O$ | Vacuum in $H_2O$ | Flow lfm | Flow scfm | PID ppmv | Analytical Laboratory Results TPHg $mg/m^3$ | MTBE $mg/m^3$ | Benzene $mg/m^3$ | TPHg Removal Per Period Pounds | TPHg Removal Cumulative Pounds | MTBE Removal Per Period Pounds | MTBE Removal Cumulative Pounds | Benzene Removal Per Period Pounds | Benzene Removal Cumulative Pounds | Benzene Emission Rate lbs/day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07/22/05 | A-INF | 33,363 | 0 | 78 | 2 | 108.9 | 3,000 | 64 | 440.0 | 799 | 71.8 | 72.7 | 12.23 | < 1,054.6 | 1.07 | 1.07 | 1.11 | < 14.50 | |
| | A-INT1 | | | | | | | | 0.0 | 20.2 | 4.87 | 2.03 | | | | | | | |
| | A-INT2 | | | | | | | | --- | --- | --- | — | | | | | | | 0.0029 |
| | A-EFF | | | | | | | | 0.0 | < 10.2 | < .609 | 0.508 | | | | | | | |
| 07/24/05 | Responding to auto dialer callout. Shut down SVE and GRS, arranging for LPC changeout (clogged) 3 @ 500lbs. | | | | | | | | | | | | | | | | | | |
| 07/24/05 | | 33,462 | 99 | 80 | 2 | 108.9 | 2,600 | 56 | | | | | | | | | | | |
| 07/29/05 | | 33,462 | 0 | nm | nm | nm | nm | nm | | | | | | | | | | | |
| 08/05/05 | A-INF | 33,462 | 0 | 78 | 2 | 108.9 | 2,800 | 60 | 16.0 | 8.64 | 0.704 | 0.855 | 9.31 | < 1,063.9 | 0.84 | 1.90 | 0.85 | < 15.35 | |
| | A-INT1 | | | | | | | | 0.0 | < 5.00 | < 0.500 | < 0.500 | | | | | | | |
| | A-INT2 | | | | | | | | 0.0 | < 5.00 | < 0.500 | < 0.500 | | | | | | | 0.0027 |
| | A-EFF | | | | | | | | 0.0 | < 5.00 | < 0.500 | < 0.500 | | | | | | | |
| 08/12/05 | A-INF | 33,470 | 8 | 78 | 2 | 108.9 | 2,600 | 56 | 56.0 | | | | | | | | | | |
| | A-INT1 | | | | | | | | 46.0 | | | | | | | | | | |
| | A-INT2 | | | | | | | | 6.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 08/19/05 | A-INF | 33,638 | 168 | 70 | 2 | 108.9 | 2,600 | 57 | 18.0 | | | | | | | | | | |
| | A-INT1 | | | | | | | | 8.1 | | | | | | | | | | |
| | A-INT2 | | | | | | | | 7.6 | | | | | | | | | | |
| | A-EFF | | | | | | | | 2.1 | | | | | | | | | | |
| 08/26/05 | A-INF | 33,638 | 0 | 70 | 2 | 108.9 | 2,600 | 57 | 56.0 | | | | | | | | | | |
| | A-INT1 | | | | | | | | 0.0 | | | | | | | | | | |
| | A-INT2 | | | | | | | | 0.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 09/02/05 | A-INF | 33,806 | 168 | 70 | 2 | 122.5 | 3,000 | 65 | 58.3 | | | | | | | | | | |
| | A-INT1 | | | | | | | | 0.0 | | | | | | | | | | |
| | A-INT2 | | | | | | | | 0.0 | | | | | | | | | | |
| | A-EFF | | | | | | | | 0.0 | | | | | | | | | | |
| 09/09/05 | A-INF | 33,974 | 168 | 70 | 2 | 122.5 | 2,600 | 57 | 58.3 | 14.4 | < 0.500 | 0.520 | 25.93 | < 1,089.8 | < 0.07 | < 1.97 | 0.08 | < 15.43 | |
| | A-INT1 | | | | | | | | 0.0 | < 5.00 | < 0.500 | < 0.500 | | | | | | | |
| | A-INT2 | | | | | | | | 0.0 | < 5.00 | < 0.500 | < 0.500 | | | | | | | 0.0025 |
| | | | | | | | | | 0.0 | < 5.00 | < 0.500 | < 0.500 | | | | | | | |

**TABLE 3**
**OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


Notes: Data prior to April 1, 2000 provided by Delta Environmental Consultants, Inc.

| | | |
|---|---|---|
| A-INF | = | Influent vapor sample collected prior to biofilters. |
| A-INT1 | = | Vapor sample collected after 1st carbon vessel. |
| A-INT2 | = | Vapor sample collected after 2nd carbon vessel. |
| A-EFF | = | Vapor sample collected from effluent sample port. |
| cfm | = | Cubic feet per minute. |
| ppmv | = | Parts per million by volume. |
| mg/M³ | = | Milligrams per cubic meter. |
| --- | = | Not sampled/Not measured. |

Removal rates are calculated using ERI SOP-25: "Hydrocarbons Removed from A Vadose Well".

**TABLE 4**
**OPERATION AND PERFORMANCE DATA FOR**
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Date | Total Flow gal | Average Flowrate gpm | Sample ID | Laboratory Analytical Results TPHg | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TPHg Removal Per Period (Lb.) | TPHg Removal Cumulative (Lb.) | Benzene Removal Per Period (Lb.) | Benzene Removal Cumulative (Lb.) | MTBE Removal Per Period (Lb.) | MTBE Removal Cumulative (Lb.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/10/94 | 1,331,420 | | W-INF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | — | | | | | --- | --- |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 12/02/94 | 1,392,010 | 0.8 | W-INF | 65 | 1.9 | 0.9 | <0.5 | 2.4 | --- | < 0.03 | < 0.03 | < 0.0006 | < 0.00 | --- | --- |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 01/13/95 | 1,415,980 | 0.4 | W-INF | 1,000 | < 0.5 | <0.5 | <0.5 | <0.5 | --- | 0.11 | < 0.1 | < 0.0002 | < 0.00 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 02/23/95 | 1,494,030 | 1.3 | W-INF | 57 | < 0.5 | <0.5 | <0.5 | 2.7 | --- | 0.34 | < 0.5 | < 0.0003 | < 0.00 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 03/14/95 | — | | W-INF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | — | --- | — | --- | --- | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 04/14/95 | 1,513,240 | 0.3 | W-INF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | --- | < 0.01 | < 0.5 | < 0.0001 | < 0.00 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 05/18/95 | 1,714,850 | 4.1 | W-INF | NS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 06/30/95 | 1,847,330 | 2.1 | W-INF | 1,700 | 480 | 23 | 66 | 180 | --- | < 2.44 | < 2.9 | 0.6685 | < 0.67 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 07/12/95 | 1,908,730 | 3.6 | W-INF | 290 | 68 | <2.0 | 2.4 | 5.6 | --- | 0.51 | < 3.4 | 0.1128 | < 0.78 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 08/09/95 | 2,027,830 | 3.0 | W-INF | 6,600 | 1,700 | 260 | 370 | 550 | --- | 3.42 | < 6.9 | 0.8768 | < 1.66 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 09/06/95 | 2,158,260 | 3.2 | W-INF | 120 | 17 | 0.84 | 1.0 | 3.0 | --- | 3.65 | < 10.5 | 0.9325 | < 2.59 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 10/11/95 | 2,215,310 | 1.1 | W-INF | 160 | 22 | 0.97 | 1.2 | 4.0 | --- | 0.07 | < 10.6 | 0.0093 | < 2.60 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 11/16/95 | 2,384,880 | 3.3 | W-INF | 120 | 4.9 | <0.5 | <0.5 | 5.9 | --- | 0.20 | < 10.8 | 0.0190 | < 2.62 | — | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |

**TABLE 4**
**OPERATION AND PERFORMANCE DATA FOR**
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Date | Total Flow gal | Average Flowrate gpm | Sample ID | Laboratory Analytical Results TPHg | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TPHg Removal Per Period (Lb.) | TPHg Removal Cumulative (Lb.) | Benzene Removal Per Period (Lb.) | Benzene Removal Cumulative (Lb.) | MTBE Removal Per Period (Lb.) | MTBE Removal Cumulative (Lb.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/14/95 | 2,453,200 | 1.7 | W-INF | 450 | 46 | 16 | 4.6 | 65 | --- | 0.16 | < 10.9 | 0.0145 | < 2.63 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 01/05/96 | 2,516,900 | 2.0 | W-INF | 240 | 26 | 2.4 | 1.2 | 20 | --- | 0.18 | < 11.1 | 0.0191 | < 2.65 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 02/14/96 | 2,680,160 | 2.8 | W-INF | 470 | 43 | 5.5 | <0.5 | 55 | --- | 0.48 | < 11.6 | 0.0469 | < 2.70 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 03/12/96 | 2,767,820 | 2.3 | W-INF | 620 | 60 | 9.8 | 3.9 | 70 | --- | 0.40 | < 12.0 | 0.0376 | < 2.74 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 04/16/96 | 2,927,390 | 3.2 | W-INF | 790 | 120 | 27 | 8.8 | 120 | --- | 0.94 | < 12.9 | 0.1196 | < 2.86 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 05/07/96 | 2,971,100 | 1.4 | W-INF | 430 | 66 | 2.7 | 5 | 32 | --- | 0.22 | < 13.2 | 0.0339 | < 2.89 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 06/11/96 | 3,109,730 | 2.8 | W-INF | 2,900 | 470 | 120 | 19 | 410 | --- | 1.92 | < 15.1 | 0.3094 | < 3.20 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 07/09/96 | 3,232,330 | 3.0 | W-INF | 490 | 55 | 6.2 | <0.5 | 110 | --- | 1.73 | < 16.8 | 0.2680 | < 3.47 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 08/08/96 | 3,365,060 | 3.1 | W-INF | 580 | 49 | 4.6 | <1.0 | 75 | --- | 0.59 | < 17.4 | 0.0575 | < 3.53 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 09/05/96 | --- | --- | W-INF | 740 | 67 | 19 | 10 | 72 | --- | --- | --- | --- | --- | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 10/02/96 | 3,530,230 | 2.1 | W-INF | 980 | 130 | 39 | 7.8 | 130 | --- | 1.07 | < 18.5 | 0.1231 | < 3.65 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 11/08/96 | 3,657,370 | 2.4 | W-INF | 480 | 42 | 7.1 | 0.69 | 79 | --- | 0.77 | < 19.2 | 0.0911 | < 3.74 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 12/09/96 | 3,735,650 | 1.8 | W-INF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | --- | < 0.17 | < 19.4 | < 0.0139 | < 3.75 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |

**TABLE 4**
**OPERATION AND PERFORMANCE DATA FOR**
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Date | Total Flow gal | Average Flowrate gpm | Sample ID | Laboratory Analytical Results TPHg | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TPHg Removal Per Period (Lb.) | TPHg Removal Cumulative (Lb.) | Benzene Removal Per Period (Lb.) | Benzene Removal Cumulative (Lb.) | MTBE Removal Per Period (Lb.) | MTBE Removal Cumulative (Lb.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01/21/97 | 3,735,730 | 0.001 | W-INF | 690 | 69 | 20 | 20 | 91 | --- | < 0.00 | < 19.4 | < 0.0000 | < 3.75 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 02/10/97 | 3,735,360 | 0.0 | W-INF | 860 | 100 | 24 | 1.4 | 160 | --- | --- | --- | --- | --- | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 03/20/97 | 3,843,430 | 2.0 | W-INF | 86 | < 0.5 | <0.5 | <0.5 | 5.1 | --- | 0.43 | < 19.8 | < 0.0452 | < 3.80 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 04/03/97 | 3,918,650 | 3.7 | W-INF | 690 | 31 | 6.1 | <5.0 | 89 | --- | 0.24 | < 20.1 | 0.0099 | < 3.81 | --- | --- |
| | | | W-INT | < 1,000 | < 10 | <10 | <10 | <10 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 05/07/97 | 4,092,720 | 3.6 | W-INF | 1,000 | 57 | 29 | 11 | 110 | --- | 1.22 | < 21.3 | 0.0638 | < 3.87 | --- | --- |
| | | | W-INT | < 50 | 1.1 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 06/11/97 | 4,144,600 | 1.0 | W-INF | 570 | 66 | 14 | 4.7 | 75 | --- | 0.34 | < 21.7 | 0.0266 | < 3.90 | --- | --- |
| | | | W-INT | < 50 | 0.57 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 06/25/97 | 4,273,310 | --- | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | --- | --- | --- | --- | --- | --- |
| 07/24/97 | 4,363,090 | 3.5 | W-INF | 470 | 25 | 8.8 | 3.7 | 49 | --- | 0.95 | < 22.6 | 0.0828 | < 3.98 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 08/04/97 | 4,408,100 | 2.8 | W-INF | 610 | 48 | 18 | 6.2 | 69 | --- | 0.20 | < 22.8 | 0.0137 | < 4.00 | --- | --- |
| | | | W-INT | < 50 | 0.76 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 10/21/97 | 4,496,810 | 0.8 | W-INF | 250 | 16 | 5.4 | 2.3 | 29 | --- | 0.32 | < 23.1 | 0.0236 | < 4.02 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 11/04/97 | 4,553,090 | 2.8 | W-INF | 510 | 22 | 9.8 | 13 | 60 | --- | 0.18 | < 23.3 | 0.0089 | < 4.03 | --- | --- |
| | | | W-INT | < 50 | 0.82 | <0.5 | <0.5 | 0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 12/05/97 | 4,588,340 | 0.8 | W-INF | 79 | 1.5 | <0.5 | <0.5 | 53 | --- | 0.09 | < 23.4 | 0.0034 | < 4.03 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 01/08/98 | 4,625,400 | 0.8 | W-INF | 83 | 2.6 | 0.74 | <0.5 | 5.4 | --- | 0.03 | < 23.4 | 0.0006 | < 4.03 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | 0.58 | <0.5 | 0.81 | 1.5 | | | | | | | |

**TABLE 4**
**OPERATION AND PERFORMANCE DATA FOR**
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Date | Total Flow gal | Average Flowrate gpm | Sample ID | Laboratory Analytical Results TPHg | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TPHg Removal Per Period (Lb.) | TPHg Removal Cumulative (Lb.) | Benzene Removal Per Period (Lb.) | Benzene Removal Cumulative (Lb.) | MTBE Removal Per Period (Lb.) | MTBE Removal Cumulative (Lb.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03/03/98 | 4,662,470 | 0.5 | W-INF | < 50 | 0.54 | <0.5 | <0.5 | 0.88 | --- | < 0.02 | < 23.4 | 0.0005 | < 4.03 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | 0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 04/02/98 | 4,702,760 | 0.9 | W-INF | 1,100 | 170 | 32 | 12 | 160 | --- | 0.19 | < 23.6 | 0.0286 | < 4.06 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 05/04/98 | 4,786,330 | 1.8 | W-INF | 1,000 | 140 | 23 | 8.5 | 150 | --- | 0.73 | < 24.4 | 0.1079 | < 4.17 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | 0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 06/10/98 | 4,852,030 | 1.2 | W-INF | 670 | 110 | 16 | 7.6 | 74 | --- | 0.46 | < 24.8 | 0.0684 | < 4.24 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 07/07/98 | 4,951,910 | 2.6 | W-INF | 690 | 91 | 13 | 6.3 | 55 | --- | 0.57 | < 25.4 | 0.0836 | < 4.32 | --- | --- |
| | | | W-INT | < 200 | < 2.0 | <2.0 | <2.0 | <2.0 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 08/04/98 | 5,039,980 | 2.2 | W-INF | 230 | 36 | 6.4 | 2.5 | 17 | --- | 0.34 | < 25.7 | 0.0466 | < 4.37 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 09/03/98 | 5,080,850 | 0.9 | W-INF | 280 | 13 | 2.0 | 6.4 | 21 | --- | 0.09 | < 25.8 | 0.0083 | < 4.38 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 10/20/98 | NM | | W-INF | 740 | 43 | 54 | 25 | 110 | --- | --- | --- | --- | --- | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 11/09/98 | 5,232,360 | 1.6 | W-INF | 300 | 37 | 10 | 8.4 | 43 | --- | 0.37 | < 26.2 | 0.0315 | < 4.41 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 12/08/98 | 5,284,180 | 1.2 | W-INF | 700 | 82 | 25 | 13 | 100 | --- | 0.22 | < 26.4 | 0.0257 | < 4.43 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 01/13/99 | 5,377,930 | 1.8 | W-INF | 1,030 | 155 | 46.5 | 52.7 | 73.3 | --- | 0.68 | < 27.1 | 0.0925 | < 4.53 | --- | --- |
| | | | W-INT | < 500 | < 5.0 | <5.0 | <5.0 | <5.0 | | | | | | | |
| | | | W-EFF | < 500 | < 5.0 | <5.0 | <5.0 | <5.0 | | | | | | | |
| 02/08/99 | 5,441,820 | 1.7 | W-INF | 260 | 31 | 9.0 | 2.4 | 33 | --- | 0.34 | < 27.4 | 0.0495 | < 4.58 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 03/08/99 | 5,509,090 | 1.7 | W-INF | 800 | 87 | 16 | 8.5 | 140 | --- | 0.30 | < 27.7 | 0.0331 | < 4.61 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |

**TABLE 4**
**OPERATION AND PERFORMANCE DATA FOR**
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Date | Total Flow gal | Average Flowrate gpm | Sample ID | Laboratory Analytical Results TPHg | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TPHg Removal Per Period (Lb.) | TPHg Removal Cumulative (Lb.) | Benzene Removal Per Period (Lb.) | Benzene Removal Cumulative (Lb.) | MTBE Removal Per Period (Lb.) | MTBE Removal Cumulative (Lb.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04/05/99 | 5,571,890 | 1.6 | W-INF | < 500 | 36.6 | 12.2 | 5.84 | 20.9 | --- | < 0.34 | < 28.0 | 0.0323 | < 4.64 | --- | --- |
| | | | W-INT | < 500 | < 5.0 | <5.0 | <5.0 | <5.0 | | | | | | | |
| | | | W-EFF | < 500 | < 5.0 | <5.0 | <5.0 | <5.0 | | | | | | | |
| 05/06/99 | 5,621,560 | 1.1 | W-INF | 310 | 45 | 6.0 | 0.86 | 41 | --- | 0.17 | < 28.2 | 0.0169 | < 4.66 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 06/07/99 | 5,706,250 | 1.8 | W-INF | < 250 | 24.8 | <2.5 | <2.5 | 8.74 | --- | < 0.20 | < 28.4 | 0.0246 | < 4.68 | --- | --- |
| | | | W-INT | < 100 | < 1.0 | <1.0 | <1.0 | <1.0 | | | | | | | |
| | | | W-EFF | < 250 | < 2.5 | <2.5 | <2.5 | <2.5 | | | | | | | |
| 07/28/99 | 5,805,010 | 1.3 | W-INF | < 100 | 7.00 | <1.0 | 2.40 | 6.40 | --- | < 0.14 | < 28.5 | 0.0131 | < 4.70 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 08/09/99 | 5,849,280 | 2.6 | W-INF | < 500 | 17.1 | 5.88 | <5.0 | 26.8 | --- | < 0.11 | < 28.7 | 0.0044 | < 4.70 | --- | --- |
| | | | W-INT | < 250 | < 2.5 | <2.5 | <2.5 | <2.5 | | | | | | | |
| | | | W-EFF | < 250 | < 2.5 | <2.5 | <2.5 | <2.5 | | | | | | | |
| 09/07/99 | 5,880,860 | 0.8 | W-INF | < 500 | 20.4 | <5.0 | <5.0 | 31.1 | --- | < 0.13 | < 28.8 | 0.0049 | < 4.71 | --- | --- |
| | | | W-INT | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 10/12/99 | 5,966,690 | 1.7 | W-INF | 100 | 2 | <1.0 | <1.0 | <1.0 | --- | 0.21 | < 29.0 | 0.0080 | < 4.71 | --- | --- |
| | | | W-INT | < 50 | < 1.0 | <1.0 | <1.0 | <1.0 | | | | | | | |
| | | | W-EFF | < 50 | < 1.0 | <1.0 | <1.0 | <1.0 | | | | | | | |
| 11/18/99 | 5,971,540 | 0.1 | W-INF | 660 | 66 | 7.8 | 5.6 | 57 | --- | 0.02 | < 29.0 | 0.0014 | < 4.72 | --- | --- |
| | | | W-INT | < 50 | < 1.0 | <1.0 | <1.0 | <1.0 | | | | | | | |
| | | | W-EFF | < 50 | < 1.0 | <1.0 | <1.0 | <1.0 | | | | | | | |
| 12/09/99 | 5,992,780 | 0.7 | W-INF | 200 | 28 | 3.2 | 2.2 | 22.4 | --- | 0.08 | < 29.1 | 0.0083 | < 4.72 | --- | --- |
| | | | W-INT1 | < 50 | < 1.0 | <1.0 | <1.0 | <1.0 | | | | | | | |
| | | | W-INT2 | < 50 | < 1.0 | <1.0 | <1.0 | <1.0 | | | | | | | |
| | | | W-EFF | < 50 | < 1.0 | <1.0 | <1.0 | <1.0 | | | | | | | |
| 01/10/00 | 6,035,690 | 0.9 | W-INF | 120 | 11 | 1.5 | 1.8 | 14.5 | --- | 0.06 | < 29.2 | 0.0070 | < 4.73 | --- | --- |
| | | | W-INT | < 50 | < 1.0 | <1.0 | <1.0 | <1.0 | | | | | | | |
| | | | W-EFF | < 50 | < 1.0 | <1.0 | <1.0 | <1.0 | | | | | | | |
| 02/08/00 | 6,055,000 | 0.5 | W-INF | 130 | 14 | <1.0 | <1.0 | 11.9 | --- | 0.02 | < 29.2 | 0.0020 | < 4.73 | --- | --- |
| | | | MID | < 50 | < 1.0 | <1.0 | <1.0 | <1.0 | | | | | | | |
| | | | W-EFF | < 50 | < 1.0 | <1.0 | <1.0 | <1.0 | | | | | | | |
| 03/24/00 | 6,080,125 | 0.4 | System shutdown pending evaluation. | | | | | | | | | | | | |
| 03/28/00 | 6,080,360 | 0.04 | W-INF | < 50 | < 1.0 | <1.0 | <1.0 | <1.0 | --- | < 0.02 | < 29.2 | < 0.0016 | < 4.73 | --- | --- |
| | | | MID | < 50 | < 1.0 | <1.0 | <1.0 | <1.0 | | | | | | | |
| | | | W-EFF | < 67 | < 1.0 | <1.0 | <1.0 | <1.0 | | | | | | | |

**TABLE 4**
**OPERATION AND PERFORMANCE DATA FOR**
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Date | Total Flow gal | Average Flowrate gpm | Sample ID | Laboratory Analytical Results TPHg | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TPHg Removal Per Period (Lb.) | TPHg Removal Cumulative (Lb.) | Benzene Removal Per Period (Lb.) | Benzene Removal Cumulative (Lb.) | MTBE Removal Per Period (Lb.) | MTBE Removal Cumulative (Lb.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03/28/00 | System shutdown upon departure. | | | | | | | | | | | | | | |
| 04/01/00 | Environmental Resolutions, Inc. assumed operation of the remediation system. | | | | | | | | | | | | | | |
| 04/01/00 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |
| 06/05/02 | System down on arrival and running on departure. Startup. Water samples collected for startup. | | | | | | | | | | | | | | |
| 06/05/02 | 10 | 0.00001 | W-INF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | --- | 0.000 | < 29.2 | 0.000 | < 4.73 | --- | --- |
| | | | W-INT 1 | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-INT 2 | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | | | | | | | |
| 06/19/02 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 06/19/02 | 47,370 | 2.3492 | | | | | | | | | | | | | |
| 07/03/02 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 07/03/02 | 114,030 | 3.3065 | W-INF | 270 | < 2.5 | <2.5 | <2.5 | <2.5 | 1,300 | 0.152 | < 29.3 | < 0.001 | < 4.74 | 1.24 | 1.24 |
| | | | W-INT 1 | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | 46 | | | | | | |
| | | | W-INT 2 | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | <2.5 | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | <2.5 | | | | | | |
| 07/17/02 | GRS down on arrival and running on departure. | | | | | | | | | | | | | | |
| 07/17/02 | 114,230 | 0.010 | | | | | | | | | | | | | |
| 07/31/02 | GRS running on arrival and down on departure. | | | | | | | | | | | | | | |
| 07/31/02 | 179,580 | 3.2416 | | | | | | | | | | | | | |
| 08/14/02 | GRS down on arrival and running on departure. | | | | | | | | | | | | | | |
| 08/14/02 | 179,930 | 0.0174 | W-INF | 620 | 4.1 | <2.5 | <2.5 | <2.5 | 1,400 | 0.245 | < 29.6 | 0.002 | < 4.74 | 0.742 | 1.979 |
| | | | W-INT 1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.5 | 150 | | | | | | |
| | | | W-INT 2 | < 50 | < 0.50 | <0.50 | <0.50 | <0.5 | <2.5 | | | | | | |
| | | | W-EFF | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| 08/28/02 | GRS running on arrival and down on departure. | | | | | | | | | | | | | | |
| 08/28/02 | 222,900 | 2.1314 | | | | | | | | | | | | | |
| 11/06/02 | GRS down on arrival and running on departure. | | | | | | | | | | | | | | |
| 11/06/02 | 223,080 | 0.0018 | W-INF | 660 | < 5.0 | <5.0 | <5.0 | <5.0 | 1,700 | 0.230 | < 29.8 | < 0.002 | < 4.74 | 0.558 | 2.537 |
| | | | W-INT 1 | 100 | 3.9 | <0.5 | <0.5 | 1.4 | 150 | | | | | | |
| | | | W-INT 2 | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | <2.5 | | | | | | |
| | | | W-EFF | < 50 | < 0.5 | <0.5 | <0.5 | <0.5 | <2.5 | | | | | | |
| 11/20/02 | GRS down on arrival and departure. | | | | | | | | | | | | | | |
| 11/20/02 | NM | NM | | | | | | | | | | | | | |
| 12/04/02 | GRS down on arrival and departure. | | | | | | | | | | | | | | |
| 12/04/02 | NM | NM | | | | | | | | | | | | | |
| 12/18/02 | GRS down on arrival and departure. | | | | | | | | | | | | | | |
| 12/18/02 | NM | NM | | | | | | | | | | | | | |
| 01/03/03 | GRS down on arrival and departure. | | | | | | | | | | | | | | |
| 01/03/03 | 224,032 | 0.0114 | | | | | | | | | | | | | |
| 01/06/03 | GRS down on arrival and departure. | | | | | | | | | | | | | | |
| 01/06/03 | NM | NM | | | | | | | | | | | | | |
| 01/15/03 | GRS down on arrival and running on departure. | | | | | | | | | | | | | | |
| 01/15/03 | 224,360 | 0.0190 | W-INF | 730 | < 5.0 | <5.0 | <5.0 | <5.0 | 1,200 | 0.007 | < 29.8 | 0.000 | < 4.74 | 0.015 | 2.552 |
| | | | W-INT 1 | 71 | < 0.50 | <0.50 | <0.50 | <0.50 | 110 | | | | | | |
| | | | W-INT 2 | NM | NM | NM | NM | NM | NM | | | | | | |
| | | | W-EFF | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |

**TABLE 4**
**OPERATION AND PERFORMANCE DATA FOR**
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Date | Total Flow gal | Average Flowrate gpm | Sample ID | Laboratory Analytical Results TPHg | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TPHg Removal Per Period (Lb.) | TPHg Removal Cumulative (Lb.) | Benzene Removal Per Period (Lb.) | Benzene Removal Cumulative (Lb.) | MTBE Removal Per Period (Lb.) | MTBE Removal Cumulative (Lb.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01/29/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 01/29/03 | 283,830 | 2.9499 | | | | | | | | | | | | | |
| 02/12/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 02/12/03 | 321,540 | 1.8705 | W-INF | < 500 | < 5.0 | <5.0 | <5.0 | <5.0 | 500 | < 0.499 | < 30.3 | < 0.004 | < 4.74 | 0.904 | 3.456 |
| | | | W-INT 1 | < 500 | < 5.0 | <5.0 | <5.0 | <5.0 | 500 | | | | | | |
| | | | W-INT 2 | < 250 | < 2.5 | <2.5 | <2.5 | <2.5 | 330 | | | | | | |
| | | | W-EFF | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| 02/26/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 02/26/03 | 383,280 | 3.0625 | | | | | | | | | | | | | |
| 03/12/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 03/12/03 | 439,050 | 2.7664 | W-INF | 190 | < 10 | <10 | <10 | <10 | 1,200 | 0.338 | < 30.7 | < 0.007 | < 4.75 | 0.833 | 4.289 |
| | | | W-INT 1 | 86 | < 2.5 | <2.5 | <2.5 | <2.5 | 150 | | | | | | |
| | | | W-INT 2 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | 1.5 | | | | | | |
| | | | W-PSP#1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.5 | | | | | | |
| 03/26/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 03/26/03 | 489,680 | 2.5114 | | | | | | | | | | | | | |
| 04/09/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 04/09/03 | 537,030 | 2.3487 | W-INF | < 500 | < 25 | <25 | <25 | <25 | 930 | < 0.282 | < 30.9 | < 0.014 | < 4.76 | 0.871 | 5.160 |
| | | | W-INT 1 | 50 | < 2.5 | <2.5 | <2.5 | <2.5 | 91 | | | | | | |
| | | | W-INT 2 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | 8.7 | | | | | | |
| | | | W-PSP#1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.5 | | | | | | |
| 04/23/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 04/23/03 | 584,410 | 2.3502 | | | | | | | | | | | | | |
| 05/07/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 05/07/03 | 613,620 | 1.4489 | W-INF | 180 | < 5.0 | <5.0 | <5.0 | <5.0 | 430 | 0.217 | < 31.2 | < 0.010 | < 4.77 | 0.435 | 5.595 |
| | | | W-INT 1 | 110 | < 0.50 | <0.50 | <0.50 | <0.50 | 99 | | | | | | |
| | | | W-INT 2 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | 18 | | | | | | |
| | | | W-PSP#1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 05/21/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 05/21/03 | 646,410 | 1.6265 | | | | | | | | | | | | | |
| 06/04/03 | GRS running on arrival, down on departure for carbon c/o | | | | | | | | | | | | | | |
| 06/04/03 | 723,100 | 3.8041 | | | | | | | | | | | | | |
| 06/18/03 | GRS down on arrival, running on departure, monthly samples taken. | | | | | | | | | | | | | | |
| 06/18/03 | 723,320 | 0.0109 | W-INF | < 250 | < 2.5 | <2.5 | <2.5 | <2.5 | 410 | 0.197 | < 31.4 | < 0.003 | < 4.78 | 0.384 | 5.979 |
| | | | W-INT 1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-INT 2 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-PSP#1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| 07/02/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 07/02/03 | 751,630 | 1.4043 | W-INF | 120 | < 25 | <25 | <25 | 29 | 560 | 0.044 | < 31.4 | < 0.003 | < 4.78 | 0.115 | 6.094 |
| | | | W-INT 1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-INT 2 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-PSP#1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 07/16/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 07/16/03 | 778,100 | 1.3130 | | | | | | | | | | | | | |
| 07/30/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 07/30/03 | 805,390 | 1.3537 | | | | | | | | | | | | | |

**TABLE 4**
**OPERATION AND PERFORMANCE DATA FOR**
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California

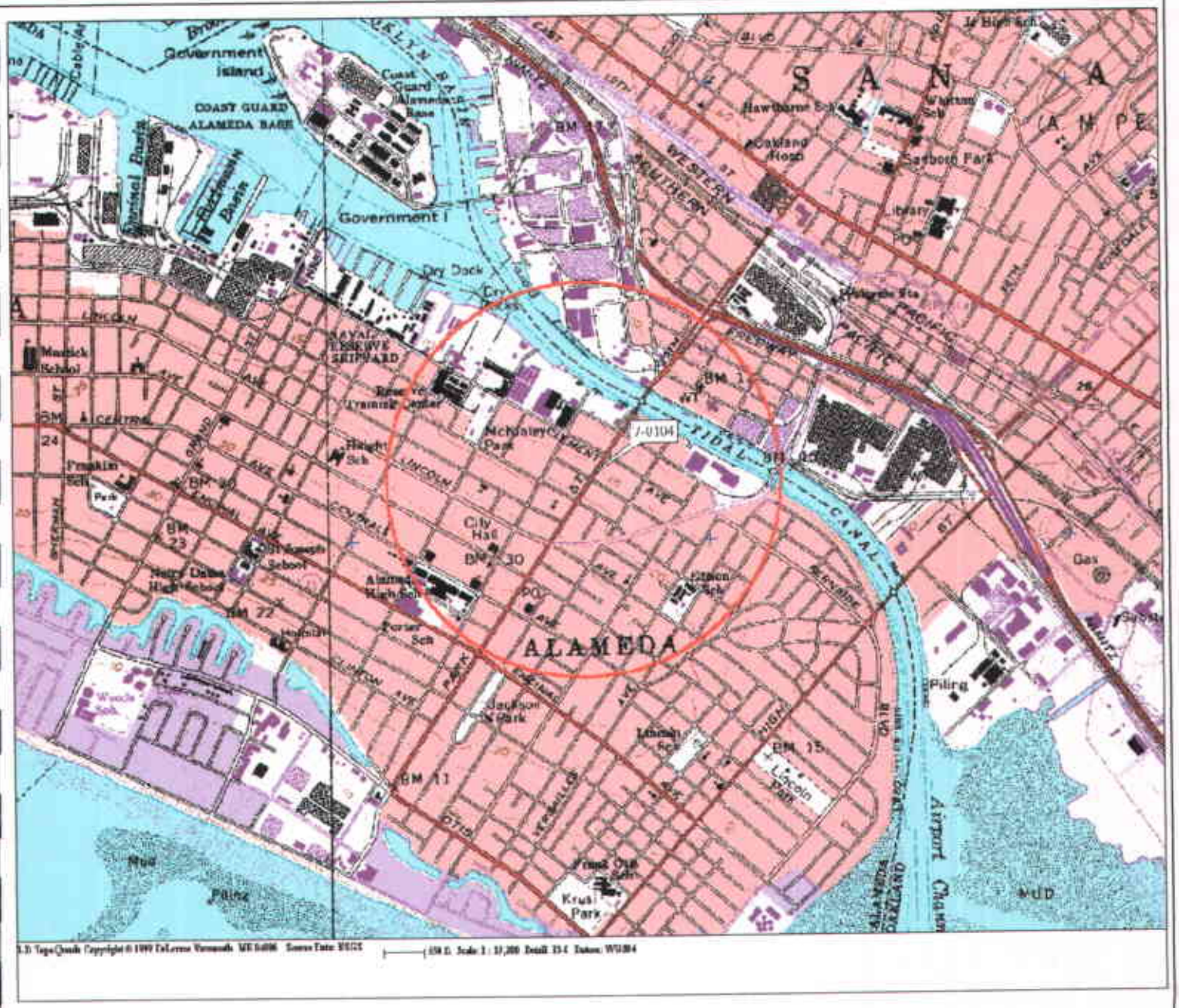

| Date | Total Flow gal | Average Flowrate gpm | Sample ID | Laboratory Analytical Results TPHg | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TPHg Removal Per Period (Lb.) | TPHg Removal Cumulative (Lb.) | Benzene Removal Per Period (Lb.) | Benzene Removal Cumulative (Lb.) | MTBE Removal Per Period (Lb.) | MTBE Removal Cumulative (Lb.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08/13/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 08/13/03 | 828,920 | 1.1672 | W-INF | 390 | < 10 | <10 | <10 | <10 | 620 | 0.164 | < 31.6 | < 0.011 | < 4.79 | 0.380 | 6.474 |
| | | | W-INT 1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | 0.90 | | | | | | |
| | | | W-INT 2 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-PSP#1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 08/27/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 08/27/03 | 854,560 | 1.2718 | | | | | | | | | | | | | |
| 09/10/03 | GRS down on arrival, running on departure. | | | | | | | | | | | | | | |
| 09/10/03 | 854,800 | 0.0119 | W-INF | 89 | < 5.0 | <5.0 | <5.0 | <5.0 | 140 | 0.052 | < 31.6 | < 0.002 | < 4.79 | 0.082 | 6.556 |
| | | | W-INT 1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | 0.81 | | | | | | |
| | | | W-INT 2 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-PSP#1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 09/24/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 09/24/03 | 879,920 | 1.2460 | | | | | | | | | | | | | |
| 10/08/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 10/08/03 | 903,850 | 1.1870 | W-INF | 330 | < 10 | <10 | <10 | <10 | 540 | 0.086 | < 31.7 | < 0.003 | < 4.80 | 0.139 | 6.695 |
| | | | W-INT 1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | 1.5 | | | | | | |
| | | | W-INT 2 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-PSP#1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 10/22/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 10/22/03 | 927,460 | 1.1711 | | | | | | | | | | | | | |
| 11/03/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 11/03/03 | 947,710 | 1.1719 | W-INF | 530 | < 10 | <10 | <10 | <10 | 810 | 0.157 | < 31.9 | < 0.004 | < 4.80 | 0.247 | 6.942 |
| | | | W-INT 1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | 4.4 | | | | | | |
| | | | W-INT 2 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-PSP#1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 11/17/03 | GRS down on arrival. Restarted. Running on departure. | | | | | | | | | | | | | | |
| 11/17/03 | 964,770 | 0.8462 | | | | | | | | | | | | | |
| 12/01/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 12/01/03 | 992,510 | 1.3760 | W-INF | 410 | < 250 | <250 | <250 | <250 | 820 | 0.176 | < 32.0 | < 0.049 | < 4.85 | 0.305 | 7.247 |
| | | | W-INT 1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | 4.2 | | | | | | |
| | | | W-INT 2 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-PSP#1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 12/15/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 12/15/03 | 1,021,420 | 1.4340 | | | | | | | | | | | | | |
| 12/29/03 | GRS running on arrival and departure. | | | | | | | | | | | | | | |
| 12/29/03 | 1,051,220 | 1.4782 | | | | | | | | | | | | | |
| 01/12/04 | System down on arrival (H/H holding tank), transfer pump failure. | | | | | | | | | | | | | | |
| 01/12/04 | 1,062,140 | 0.5417 | | | | | | | | | | | | | |
| 01/26/04 | System shut down on arrival, replaced transfer pump restarted system. Collected monthly samples. | | | | | | | | | | | | | | |
| 01/26/04 | 1,062,440 | 0.0149 | W-INF | 300 | < 5.0 | <5.0 | <5.0 | <5.0 | 770 | 0.207 | < 32.2 | < 0.074 | < 4.92 | 0.464 | 7.711 |
| | | | W-INT 1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | 5.7 | | | | | | |
| | | | W-INT 2 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-PSP#1 | < 50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 02/09/04 | System down on arrival (H/H holding tank, transfer pump appears to have failed). System shut down on departure. | | | | | | | | | | | | | | |
| 02/09/04 | 1,062,450 | 0.0005 | | | | | | | | | | | | | |

**TABLE 4**
**OPERATION AND PERFORMANCE DATA FOR**
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**
Former Exxon Service Station 7-0104
1725 Park Street
Alameda, California


| Date | Total Flow gal | Average Flowrate gpm | Sample ID | Laboratory Analytical Results TPHg | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TPHg Removal Per Period (Lb.) | TPHg Removal Cumulative (Lb.) | Benzene Removal Per Period (Lb.) | Benzene Removal Cumulative (Lb.) | MTBE Removal Per Period (Lb.) | MTBE Removal Cumulative (Lb.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04/08/05 | Started GRS and ran water through system into holding tank (no discharge). Approximately 400 gallons. | | | | | | | | | | | | | | |
| 04/08/05 | 1,064,739 | 0.0037 | W-INF | 600 | < 0.50 | <0.5 | <0.5 | <0.5 | 748 | 0.009 | < 32.3 | < 0.000 | < 4.92 | 0.015 | 7.725 |
| | | | W-INT 1 | < 50.0 | < 0.50 | <0.5 | <0.5 | <0.5 | 2.9 | | | | | | |
| | | | W-INT 2 | < 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 | | | | | | |
| 06/27/05 | 1,065,780 | 0.0090 | | | | | | | | | | | | | |
| 06/28/05 | 1,066,510 | 0.5069 | | | | | | | | | | | | | |
| 06/29/05 | 1,075,770 | 6.4306 | | | | | | | | | | | | | |
| 07/01/05 | 1,093,250 | 6.0694 | | | | | | | | | | | | | |
| 07/08/05 | 1,146,060 | 5.2391 | | | | | | | | | | | | | |
| 07/15/05 | 1,201,070 | 5.4573 | | | | | | | | | | | | | |
| 07/22/05 | 1,257,570 | 5.4339 | W-INF | 844 | 8.80 | 2.3 | 0.7 | 30.9 | 707 | 1.162 | < 33.4 | 0.007 | < 4.93 | 1.170 | 8.896 |
| | | | W-INT 1 | 151 | < 0.50 | <0.5 | <0.5 | <0.5 | 151 | | | | | | |
| | | | W-INT 2 | < 50.0 | < 0.50 | <0.5 | <0.5 | <0.5 | 1.9 | | | | | | |
| | | | W-PSP#1 | < 50.0 | < 0.50 | <0.5 | <0.5 | <0.5 | <0.5 | | | | | | |
| 07/24/05 | 1,271,470 | 4.8264 | | | | | | | | | | | | | |
| 07/29/05 | 1,272,030 | 0.0778 | | | | | | | | | | | | | |
| 08/05/05 a | 1,272,630 | 0.0595 | W-INF | 713 | 6.01 | <0.500 | 0.569 | 9.69 | 647 | 0.098 | < 33.5 | 0.001 | < 4.93 | 0.085 | 8.981 |
| | | | W-INT 1 | < 50.0 | < 0.500 | <0.500 | <0.500 | <0.500 | 0.698 | | | | | | |
| | | | W-INT 2 | < 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 | 1,326,820 | 5.3760 | | | | | | | | | | | | | |
| 08/19/05 | 1,330,450 | 0.3601 | | | | | | | | | | | | | |
| 08/26/05 | 1,346,130 | 1.5556 | | | | | | | | | | | | | |
| 09/02/05 | 1,384,160 | 3.7728 | | | | | | | | | | | | | |
| 09/09/05 | 1,436,360 | 5.1786 | W-INF | 681 | 0.96 | <0.50 | <0.50 | <0.50 | 664 | 0.952 | < 34.5 | 0.005 | < 4.94 | 0.895 | 9.876 |
| | | | W-INT 1 | < 50.0 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-INT 2 | < 50.0 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-PSP#1 | < 50.0 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |

Notes: Data prior to April 1, 2000 provided by Delta Environmental Consultants, Inc.

| | | |
|---|---|---|
| W- INF | = | Water sample collected at the influent sample location. |
| W-INT | = | Water sample collected at the intermediate sample location. |
| W-EFF | = | Water sample collected at the effluent sample location. |
| W-PSP#1 | = | Water sample collected at the effluent sample location (EBMUD process sampling point #1). |
| gal | = | Gallons. |
| gpm | = | Gallons per minute. |
| ug/L | = | Micrograms per liter. |
| lbs | = | Pounds. |
| TPHg | = | Total petroleum hydrocarbons as gasoline. |
| B | = | Benzene. |
| T | = | Toluene. |
| E | = | Ethylbenzene. |
| X | = | Total xylenes. |
| < | = | Less than the laboratory method reporting limit as indicated. |
| --- | = | Not measured/Not sampled/Not analyzed/Not calculated. |
| a | = | Incorrect sample date is shown on laboratory report. The correct date is shown on table. |




## EXPLANATION

1/2-mile radius circle

N

APPROXIMATE SCALE

0 0.5 1 mile

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

ENVIRONMENTAL RESOLUTIONS, INC.

# SITE VICINITY MAP

FORMER EXXON SERVICE STATION 7-0104
1725 Park Street
Alameda, California

| PROJECT NO. |
| --- |
| 2506 |
| **PLATE** |
| 1 |

Analyte Concentrations in ug/L
Sampled September 12, 2005

16,600 Total Petroleum Hydrocarbons as gasoline
1,050 Benzene
245 Methyl Tertiary Butyl Ether (EPA Method 8260B)

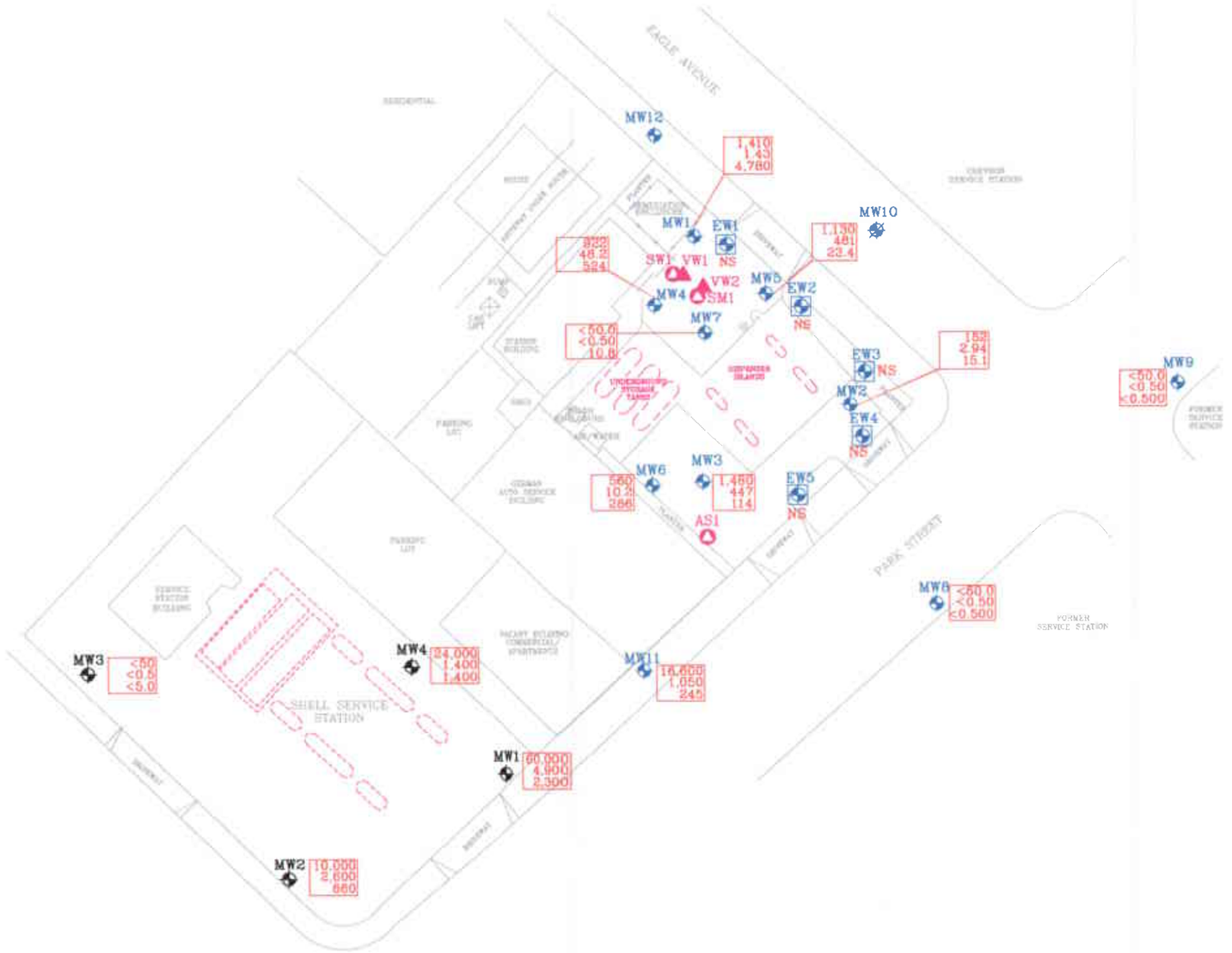
< Less Than the Stated Laboratory Reporting Limit

ug/L Micrograms per Liter

NS Not sampled

NOTES:

Well MW12 not routinely monitored or sampled.




N

APPROXIMATE SCALE

0 50 100 Feet

FN 25060002_QM

ERI ENVIRONMENTAL RESOLUTIONS, INC.

# SELECT ANALYTICAL RESULTS
## September 12, 2005
FORMER
EXXON SERVICE STATION 7-0104
1725 Park Street
Alameda, California

EXPLANATION

MW11 Groundwater Monitoring Well

EW4 Recovery Well

MW10 Destroyed Groundwater Monitoring Well

MW4 Groundwater Monitoring Well By Others

VW2 Vapor Extraction Well

AS1 Air Sparge/Soil Vapor Well

PROJECT NO. 2506

PLATE 2


APPROXIMATE SCALE

0 50 100 Feet

FN 25060002_QM

Note: Well MW12 not routinely monitored or sampled.

NM Not Measured

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

ENVIRONMENTAL RESOLUTIONS, INC.

# GROUNDWATER ELEVATION MAP
## September 12, 2005
FORMER
EXXON SERVICE STATION 7-0104
1725 Park Street
Alameda, California

EXPLANATION

- MW11 — Groundwater Monitoring Well
- 10.80 — Groundwater elevation in feet; datum is mean sea level
- EW4 — Recovery Well
- MW10 — Destroyed Groundwater Monitoring Well
- MW4 — Groundwater Monitoring Well By Others
- VW2 — Vapor Extraction Well
- AS1 — Air Sparge/Soil Vapor Well

PROJECT NO. 2506

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 a ORS Interface Probe, which is accurate to the nearest 0.01 foot. To calculate groundwater elevations and evaluate groundwater gradient, depth to water (DTW) levels are subtracted from top of casing elevations.

Groundwater samples collected for subjective evaluation are collected by gently lowering approximately half the length of a clean Teflon® or polypropylene bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples are checked for measurable free-phase hydrocarbons or sheen. If appropriate, free-phase hydrocarbons are removed from the well.

Before water samples are collected from the groundwater monitoring wells, the wells are purged until a minimum of three well casing volumes is purged and stabilization of the temperature, pH, and conductivity is obtained. Water samples from the wells that do not obtain stability of the temperature, pH, and conductivity are considered to be "grab samples." The quantity of water purged from each well is calculated as follows:

1 well casing volume = $\pi r^2 h(7.48)$ where:

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

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

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

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

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

# ATTACHMENT B

# LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS

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

September 27, 2005

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

Work Order: NOI1318
Project Name: Exxon 7-0104 PO:4505890963
Project Nbr: 2506 13X
Date Received: 09/14/05

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| MW1 | NOI1318-02 | 09/12/05 17:00 |
| MW2 | NOI1318-03 | 09/12/05 15:18 |
| MW3 | NOI1318-04 | 09/12/05 17:45 |
| MW4 | NOI1318-05 | 09/12/05 17:25 |
| MW5 | NOI1318-06 | 09/12/05 15:44 |
| MW6 | NOI1318-07 | 09/12/05 17:55 |
| MW7 | NOI1318-08 | 09/12/05 14:00 |
| MW8 | NOI1318-09 | 09/12/05 12:30 |
| MW9 | NOI1318-10 | 09/12/05 13:10 |
| MW11 | NOI1318-11 | 09/12/05 17:30 |

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





Report Approved By:

Roxanne L. Connor

Roxanne Connor
Senior Project Manager

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 07:50 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NOI1318-02RE1 (MW1 - Ground Water) Sampled: 09/12/05 17:00** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | **1.43** | | ug/L | 0.50 | 1 | 09/20/05 16:03 | SW846 8021B | ac | 5092980 |
| Ethylbenzene | **0.82** | | ug/L | 0.50 | 1 | 09/19/05 06:21 | SW846 8021B | ac | 5092744 |
| Toluene | ND | | ug/L | 0.50 | 1 | 09/19/05 06:21 | SW846 8021B | ac | 5092744 |
| Xylenes, total | **1.08** | | ug/L | 0.50 | 1 | 09/20/05 16:03 | SW846 8021B | ac | 5092980 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *101 %* | | | | | *09/19/05 06:21* | *SW846 8021B* | *ac* | *5092744* |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *99 %* | | | | | *09/20/05 16:03* | *SW846 8021B* | *ac* | *5092980* |
| Oxygenates by EPA 8260B | | | | | | | | | |
| Tert-Amyl Methyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 09:44 | SW846 8260B | IHA | 5092815 |
| 1,2-Dibromoethane (EDB) | ND | | ug/L | 0.500 | 1 | 09/20/05 09:44 | SW846 8260B | IHA | 5092815 |
| Ethanol | ND | | ug/L | 50.0 | 1 | 09/20/05 09:44 | SW846 8260B | IHA | 5092815 |
| 1,2-Dichloroethane | ND | | ug/L | 0.500 | 1 | 09/20/05 09:44 | SW846 8260B | IHA | 5092815 |
| Ethyl tert-Butyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 09:44 | SW846 8260B | IHA | 5092815 |
| Isopropyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 09:44 | SW846 8260B | IHA | 5092815 |
| Methyl tert-Butyl Ether | **4780** | | ug/L | 25.0 | 50 | 09/21/05 15:47 | SW846 8260B | IHA | 5092815 |
| Tertiary Butyl Alcohol | **10900** | | ug/L | 500 | 50 | 09/21/05 15:47 | SW846 8260B | IHA | 5092815 |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *114 %* | | | | | *09/20/05 09:44* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *110 %* | | | | | *09/21/05 15:47* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *106 %* | | | | | *09/20/05 09:44* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *106 %* | | | | | *09/21/05 15:47* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *109 %* | | | | | *09/20/05 09:44* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *104 %* | | | | | *09/21/05 15:47* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *110 %* | | | | | *09/20/05 09:44* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *107 %* | | | | | *09/21/05 15:47* | *SW846 8260B* | *IHA* | *5092815* |
| Extractable Petroleum Hydrocarbons | | | | | | | | | |
| Diesel | **280** | Q3 | ug/L | 50.0 | 1 | 09/16/05 15:30 | SW846 8015B | mcj | 5092142 |
| *Surrogate: o-Terphenyl (55-150%)* | *88 %* | | | | | *09/16/05 15:30* | *SW846 8015B* | *mcj* | *5092142* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | **1410** | | ug/L | 50.0 | 1 | 09/20/05 16:03 | SW846 8015B | ac | 5092744 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *99 %* | | | | | *09/19/05 06:21* | *SW846 8015B* | *ac* | *5092744* |
| **Sample ID: NOI1318-03 (MW2 - Ground Water) Sampled: 09/12/05 15:18** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | **2.94** | | ug/L | 0.50 | 1 | 09/19/05 06:52 | SW846 8021B | ac | 5092744 |
| Ethylbenzene | ND | | ug/L | 0.50 | 1 | 09/19/05 06:52 | SW846 8021B | ac | 5092744 |
| Toluene | ND | | ug/L | 0.50 | 1 | 09/19/05 06:52 | SW846 8021B | ac | 5092744 |
| Xylenes, total | ND | | ug/L | 0.50 | 1 | 09/19/05 06:52 | SW846 8021B | ac | 5092744 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *95 %* | | | | | *09/19/05 06:52* | *SW846 8021B* | *ac* | *5092744* |
| Oxygenates by EPA 8260B | | | | | | | | | |
| Tert-Amyl Methyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 10:06 | SW846 8260B | IHA | 5092815 |
| 1,2-Dibromoethane (EDB) | ND | | ug/L | 0.500 | 1 | 09/20/05 10:06 | SW846 8260B | IHA | 5092815 |
| Ethanol | ND | | ug/L | 50.0 | 1 | 09/20/05 10:06 | SW846 8260B | IHA | 5092815 |
| 1,2-Dichloroethane | ND | | ug/L | 0.500 | 1 | 09/20/05 10:06 | SW846 8260B | IHA | 5092815 |
| Ethyl tert-Butyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 10:06 | SW846 8260B | IHA | 5092815 |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 07:50 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NOI1318-03 (MW2 - Ground Water) - cont. Sampled: 09/12/05 15:18** | | | | | | | | | |
| Oxygenates by EPA 8260B - cont. | | | | | | | | | |
| Isopropyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 10:06 | SW846 8260B | IHA | 5092815 |
| Methyl tert-Butyl Ether | 15.1 | | ug/L | 0.500 | 1 | 09/21/05 12:51 | SW846 8260B | IHA | 5092815 |
| Tertiary Butyl Alcohol | 181 | | ug/L | 10.0 | 1 | 09/21/05 12:51 | SW846 8260B | IHA | 5092815 |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *112 %* | | | | | *09/20/05 10:06* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *111 %* | | | | | *09/21/05 12:51* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *113 %* | | | | | *09/20/05 10:06* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *108 %* | | | | | *09/21/05 12:51* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *108 %* | | | | | *09/20/05 10:06* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *107 %* | | | | | *09/21/05 12:51* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *106 %* | | | | | *09/20/05 10:06* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *109 %* | | | | | *09/21/05 12:51* | *SW846 8260B* | *IHA* | *5092815* |
| Extractable Petroleum Hydrocarbons | | | | | | | | | |
| Diesel | 65.2 | Q3 | ug/L | 50.0 | 1 | 09/16/05 15:51 | SW846 8015B | mcj | 5092142 |
| *Surrogate: o-Terphenyl (55-150%)* | *92 %* | | | | | *09/16/05 15:51* | *SW846 8015B* | *mcj* | *5092142* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | 152 | | ug/L | 50.0 | 1 | 09/19/05 06:52 | SW846 8015B | ac | 5092744 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *95 %* | | | | | *09/19/05 06:52* | *SW846 8015B* | *ac* | *5092744* |
| **Sample ID: NOI1318-04RE1 (MW3 - Ground Water) Sampled: 09/12/05 17:45** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | 447 | | ug/L | 5.00 | 10 | 09/20/05 17:05 | SW846 8021B | ac | 5092980 |
| Ethylbenzene | 8.40 | | ug/L | 0.50 | 1 | 09/19/05 07:23 | SW846 8021B | ac | 5092744 |
| Toluene | 4.48 | | ug/L | 0.50 | 1 | 09/19/05 07:23 | SW846 8021B | ac | 5092744 |
| Xylenes, total | 13.9 | | ug/L | 0.50 | 1 | 09/19/05 07:23 | SW846 8021B | ac | 5092744 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *112 %* | | | | | *09/19/05 07:23* | *SW846 8021B* | *ac* | *5092744* |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *100 %* | | | | | *09/20/05 17:05* | *SW846 8021B* | *ac* | *5092980* |
| Oxygenates by EPA 8260B | | | | | | | | | |
| Tert-Amyl Methyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 10:28 | SW846 8260B | IHA | 5092815 |
| 1,2-Dibromoethane (EDB) | ND | | ug/L | 0.500 | 1 | 09/20/05 10:28 | SW846 8260B | IHA | 5092815 |
| Ethanol | ND | | ug/L | 50.0 | 1 | 09/20/05 10:28 | SW846 8260B | IHA | 5092815 |
| 1,2-Dichloroethane | 10.4 | | ug/L | 0.500 | 1 | 09/20/05 10:28 | SW846 8260B | IHA | 5092815 |
| Ethyl tert-Butyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 10:28 | SW846 8260B | IHA | 5092815 |
| Isopropyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 10:28 | SW846 8260B | IHA | 5092815 |
| Methyl tert-Butyl Ether | 114 | | ug/L | 0.500 | 1 | 09/21/05 14:19 | SW846 8260B | IHA | 5092815 |
| Tertiary Butyl Alcohol | 16100 | | ug/L | 100 | 10 | 09/21/05 14:41 | SW846 8260B | IHA | 5092815 |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *115 %* | | | | | *09/20/05 10:28* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *111 %* | | | | | *09/21/05 14:19* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *114 %* | | | | | *09/21/05 14:41* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *110 %* | | | | | *09/20/05 10:28* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *109 %* | | | | | *09/21/05 14:19* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *110 %* | | | | | *09/21/05 14:41* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *108 %* | | | | | *09/20/05 10:28* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *114 %* | | | | | *09/21/05 14:19* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *106 %* | | | | | *09/21/05 14:41* | *SW846 8260B* | *IHA* | *5092815* |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 07:50 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NOI1318-04 (MW3 - Ground Water) - cont. Sampled: 09/12/05 17:45** | | | | | | | | | |
| Oxygenates by EPA 8260B - cont. | | | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *108 %* | | | | | *09/20/05 10:28* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *107 %* | | | | | *09/21/05 14:19* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *107 %* | | | | | *09/21/05 14:41* | *SW846 8260B* | *IHA* | *5092815* |
| Extractable Petroleum Hydrocarbons | | | | | | | | | |
| Diesel | **417** | Q3 | ug/L | 50.0 | 1 | 09/16/05 16:11 | SW846 8015B | mcj | 5092142 |
| *Surrogate: o-Terphenyl (55-150%)* | *106 %* | | | | | *09/16/05 16:11* | *SW846 8015B* | *mcj* | *5092142* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | **1480** | | ug/L | 500 | 10 | 09/20/05 17:05 | SW846 8015B | ac | 5092980 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *100 %* | | | | | *09/20/05 17:05* | *SW846 8015B* | *ac* | *5092980* |
| **Sample ID: NOI1318-05 (MW4 - Ground Water) Sampled: 09/12/05 17:25** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | **48.2** | | ug/L | 0.50 | 1 | 09/19/05 07:54 | SW846 8021B | ac | 5092744 |
| Ethylbenzene | **1.63** | | ug/L | 0.50 | 1 | 09/19/05 07:54 | SW846 8021B | ac | 5092744 |
| Toluene | ND | | ug/L | 0.50 | 1 | 09/19/05 07:54 | SW846 8021B | ac | 5092744 |
| Xylenes, total | **1.70** | | ug/L | 0.50 | 1 | 09/19/05 07:54 | SW846 8021B | ac | 5092744 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *102 %* | | | | | *09/19/05 07:54* | *SW846 8021B* | *ac* | *5092744* |
| Oxygenates by EPA 8260B | | | | | | | | | |
| Tert-Amyl Methyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 10:50 | SW846 8260B | IHA | 5092815 |
| 1,2-Dibromoethane (EDB) | ND | | ug/L | 0.500 | 1 | 09/20/05 10:50 | SW846 8260B | IHA | 5092815 |
| Ethanol | ND | | ug/L | 50.0 | 1 | 09/20/05 10:50 | SW846 8260B | IHA | 5092815 |
| 1,2-Dichloroethane | ND | | ug/L | 0.500 | 1 | 09/20/05 10:50 | SW846 8260B | IHA | 5092815 |
| Ethyl tert-Butyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 10:50 | SW846 8260B | IHA | 5092815 |
| Isopropyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 10:50 | SW846 8260B | IHA | 5092815 |
| Methyl tert-Butyl Ether | **524** | | ug/L | 5.00 | 10 | 09/21/05 16:09 | SW846 8260B | IHA | 5092815 |
| Tertiary Butyl Alcohol | **7230** | | ug/L | 100 | 10 | 09/21/05 16:09 | SW846 8260B | IHA | 5092815 |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *110 %* | | | | | *09/20/05 10:50* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *113 %* | | | | | *09/21/05 16:09* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *111 %* | | | | | *09/20/05 10:50* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *108 %* | | | | | *09/21/05 16:09* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *100 %* | | | | | *09/20/05 10:50* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *103 %* | | | | | *09/21/05 16:09* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *108 %* | | | | | *09/20/05 10:50* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *106 %* | | | | | *09/21/05 16:09* | *SW846 8260B* | *IHA* | *5092815* |
| Extractable Petroleum Hydrocarbons | | | | | | | | | |
| Diesel | **351** | Q3 | ug/L | 50.0 | 1 | 09/16/05 16:33 | SW846 8015B | mcj | 5092142 |
| *Surrogate: o-Terphenyl (55-150%)* | *98 %* | | | | | *09/16/05 16:33* | *SW846 8015B* | *mcj* | *5092142* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | **922** | | ug/L | 50.0 | 1 | 09/19/05 07:54 | SW846 8015B | ac | 5092744 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *102 %* | | | | | *09/19/05 07:54* | *SW846 8015B* | *ac* | *5092744* |
| **Sample ID: NOI1318-06RE1 (MW5 - Ground Water) Sampled: 09/12/05 15:44** | | | | | | | | | |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 07:50 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NOI1318-06RE1 (MW5 - Ground Water) - cont. Sampled: 09/12/05 15:44** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | **481** | | ug/L | 5.00 | 10 | 09/20/05 17:37 | SW846 8021B | ac | 5092980 |
| Ethylbenzene | **4.94** | | ug/L | 0.50 | 1 | 09/19/05 08:25 | SW846 8021B | ac | 5092744 |
| Toluene | **6.44** | | ug/L | 0.50 | 1 | 09/19/05 08:25 | SW846 8021B | ac | 5092744 |
| Xylenes, total | **10.1** | | ug/L | 0.50 | 1 | 09/19/05 08:25 | SW846 8021B | ac | 5092744 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *109 %* | | | | | *09/19/05 08:25* | *SW846 8021B* | *ac* | *5092744* |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *98 %* | | | | | *09/20/05 17:37* | *SW846 8021B* | *ac* | *5092980* |
| Oxygenates by EPA 8260B | | | | | | | | | |
| Tert-Amyl Methyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 11:12 | SW846 8260B | IHA | 5092815 |
| 1,2-Dibromoethane (EDB) | ND | | ug/L | 0.500 | 1 | 09/20/05 11:12 | SW846 8260B | IHA | 5092815 |
| Ethanol | ND | | ug/L | 50.0 | 1 | 09/20/05 11:12 | SW846 8260B | IHA | 5092815 |
| 1,2-Dichloroethane | **13.6** | | ug/L | 0.500 | 1 | 09/20/05 11:12 | SW846 8260B | IHA | 5092815 |
| Ethyl tert-Butyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 11:12 | SW846 8260B | IHA | 5092815 |
| Isopropyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 11:12 | SW846 8260B | IHA | 5092815 |
| Methyl tert-Butyl Ether | **23.4** | | ug/L | 0.500 | 1 | 09/21/05 13:13 | SW846 8260B | IHA | 5092815 |
| Tertiary Butyl Alcohol | **1130** | | ug/L | 10.0 | 1 | 09/21/05 13:13 | SW846 8260B | IHA | 5092815 |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *111 %* | | | | | *09/20/05 11:12* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *112 %* | | | | | *09/21/05 13:13* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *111 %* | | | | | *09/20/05 11:12* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *110 %* | | | | | *09/21/05 13:13* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *104 %* | | | | | *09/20/05 11:12* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *102 %* | | | | | *09/21/05 13:13* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *106 %* | | | | | *09/20/05 11:12* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *105 %* | | | | | *09/21/05 13:13* | *SW846 8260B* | *IHA* | *5092815* |
| Extractable Petroleum Hydrocarbons | | | | | | | | | |
| Diesel | **780** | Q3 | ug/L | 50.0 | 1 | 09/16/05 16:53 | SW846 8015B | mcj | 5092142 |
| *Surrogate: o-Terphenyl (55-150%)* | *100 %* | | | | | *09/16/05 16:53* | *SW846 8015B* | *mcj* | *5092142* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | **1130** | | ug/L | 500 | 10 | 09/20/05 17:37 | SW846 8015B | ac | 5092980 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *98 %* | | | | | *09/20/05 17:37* | *SW846 8015B* | *ac* | *5092980* |
| **Sample ID: NOI1318-07 (MW6 - Ground Water) Sampled: 09/12/05 17:55** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | **10.2** | | ug/L | 0.50 | 1 | 09/19/05 08:57 | SW846 8021B | ac | 5092744 |
| Ethylbenzene | ND | | ug/L | 0.50 | 1 | 09/19/05 08:57 | SW846 8021B | ac | 5092744 |
| Toluene | ND | | ug/L | 0.50 | 1 | 09/19/05 08:57 | SW846 8021B | ac | 5092744 |
| Xylenes, total | ND | | ug/L | 0.50 | 1 | 09/19/05 08:57 | SW846 8021B | ac | 5092744 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *102 %* | | | | | *09/19/05 08:57* | *SW846 8021B* | *ac* | *5092744* |
| Oxygenates by EPA 8260B | | | | | | | | | |
| Tert-Amyl Methyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 11:34 | SW846 8260B | IHA | 5092815 |
| 1,2-Dibromoethane (EDB) | ND | | ug/L | 0.500 | 1 | 09/20/05 11:34 | SW846 8260B | IHA | 5092815 |
| Ethanol | ND | | ug/L | 50.0 | 1 | 09/20/05 11:34 | SW846 8260B | IHA | 5092815 |
| 1,2-Dichloroethane | ND | | ug/L | 0.500 | 1 | 09/20/05 11:34 | SW846 8260B | IHA | 5092815 |
| Ethyl tert-Butyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 11:34 | SW846 8260B | IHA | 5092815 |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 07:50 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NOI1318-07 (MW6 - Ground Water) - cont. Sampled: 09/12/05 17:55** | | | | | | | | | |
| Oxygenates by EPA 8260B - cont. | | | | | | | | | |
| Isopropyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 11:34 | SW846 8260B | IHA | 5092815 |
| Methyl tert-Butyl Ether | **286** | | ug/L | 5.00 | 10 | 09/21/05 16:31 | SW846 8260B | IHA | 5092815 |
| Tertiary Butyl Alcohol | **15400** | | ug/L | 100 | 10 | 09/21/05 16:31 | SW846 8260B | IHA | 5092815 |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *114 %* | | | | | *09/20/05 11:34* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *114 %* | | | | | *09/21/05 16:31* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *111 %* | | | | | *09/20/05 11:34* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *108 %* | | | | | *09/21/05 16:31* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *108 %* | | | | | *09/20/05 11:34* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *103 %* | | | | | *09/21/05 16:31* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *108 %* | | | | | *09/20/05 11:34* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *111 %* | | | | | *09/21/05 16:31* | *SW846 8260B* | *IHA* | *5092815* |
| Extractable Petroleum Hydrocarbons | | | | | | | | | |
| Diesel | **182** | Q3 | ug/L | 50.0 | 1 | 09/16/05 17:14 | SW846 8015B | mcj | 5092142 |
| *Surrogate: o-Terphenyl (55-150%)* | *102 %* | | | | | *09/16/05 17:14* | *SW846 8015B* | *mcj* | *5092142* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | **560** | | ug/L | 50.0 | 1 | 09/19/05 08:57 | SW846 8015B | ac | 5092744 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *102 %* | | | | | *09/19/05 08:57* | *SW846 8015B* | *ac* | *5092744* |
| **Sample ID: NOI1318-08 (MW7 - Ground Water) Sampled: 09/12/05 14:00** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | ND | | ug/L | 0.50 | 1 | 09/23/05 09:41 | SW846 8021B | gg | 5092791 |
| Ethylbenzene | ND | | ug/L | 0.50 | 1 | 09/23/05 09:41 | SW846 8021B | gg | 5092791 |
| Toluene | ND | | ug/L | 0.50 | 1 | 09/23/05 09:41 | SW846 8021B | gg | 5092791 |
| Xylenes, total | ND | | ug/L | 0.50 | 1 | 09/23/05 09:41 | SW846 8021B | gg | 5092791 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *101 %* | | | | | *09/23/05 09:41* | *SW846 8021B* | *gg* | *5092791* |
| Oxygenates by EPA 8260B | | | | | | | | | |
| Tert-Amyl Methyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 11:55 | SW846 8260B | IHA | 5092815 |
| 1,2-Dibromoethane (EDB) | ND | | ug/L | 0.500 | 1 | 09/20/05 11:55 | SW846 8260B | IHA | 5092815 |
| Ethanol | ND | | ug/L | 50.0 | 1 | 09/20/05 11:55 | SW846 8260B | IHA | 5092815 |
| 1,2-Dichloroethane | ND | | ug/L | 0.500 | 1 | 09/20/05 11:55 | SW846 8260B | IHA | 5092815 |
| Ethyl tert-Butyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 11:55 | SW846 8260B | IHA | 5092815 |
| Isopropyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 11:55 | SW846 8260B | IHA | 5092815 |
| Methyl tert-Butyl Ether | **10.8** | | ug/L | 0.500 | 1 | 09/21/05 15:03 | SW846 8260B | IHA | 5092815 |
| Tertiary Butyl Alcohol | **6910** | | ug/L | 100 | 10 | 09/21/05 15:25 | SW846 8260B | IHA | 5092815 |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *111 %* | | | | | *09/20/05 11:55* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *117 %* | | | | | *09/21/05 15:03* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *111 %* | | | | | *09/21/05 15:25* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *109 %* | | | | | *09/20/05 11:55* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *113 %* | | | | | *09/21/05 15:03* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *110 %* | | | | | *09/21/05 15:25* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *108 %* | | | | | *09/20/05 11:55* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *114 %* | | | | | *09/21/05 15:03* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *106 %* | | | | | *09/21/05 15:25* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *108 %* | | | | | *09/20/05 11:55* | *SW846 8260B* | *IHA* | *5092815* |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 07:50 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NOI1318-08RE1 (MW7 - Ground Water) - cont. Sampled: 09/12/05 14:00** | | | | | | | | | |
| Oxygenates by EPA 8260B - cont. | | | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *104 %* | | | | | *09/21/05 15:03* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *113 %* | | | | | *09/21/05 15:25* | *SW846 8260B* | *IHA* | *5092815* |
| Extractable Petroleum Hydrocarbons | | | | | | | | | |
| Diesel | **68.0** | Q3 | ug/L | 50.0 | 1 | 09/16/05 17:35 | SW846 8015B | mcj | 5092142 |
| *Surrogate: o-Terphenyl (55-150%)* | *100 %* | | | | | *09/16/05 17:35* | *SW846 8015B* | *mcj* | *5092142* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | ND | | ug/L | 50.0 | 1 | 09/23/05 09:41 | SW846 8015B | gg | 5092791 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *101 %* | | | | | *09/23/05 09:41* | *SW846 8015B* | *gg* | *5092791* |
| **Sample ID: NOI1318-09 (MW8 - Ground Water) Sampled: 09/12/05 12:30** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | ND | | ug/L | 0.50 | 1 | 09/23/05 10:12 | SW846 8021B | gg | 5092791 |
| Ethylbenzene | ND | | ug/L | 0.50 | 1 | 09/23/05 10:12 | SW846 8021B | gg | 5092791 |
| Toluene | ND | | ug/L | 0.50 | 1 | 09/23/05 10:12 | SW846 8021B | gg | 5092791 |
| Xylenes, total | ND | | ug/L | 0.50 | 1 | 09/23/05 10:12 | SW846 8021B | gg | 5092791 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *100 %* | | | | | *09/23/05 10:12* | *SW846 8021B* | *gg* | *5092791* |
| Oxygenates by EPA 8260B | | | | | | | | | |
| Tert-Amyl Methyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 12:17 | SW846 8260B | IHA | 5092815 |
| 1,2-Dibromoethane (EDB) | ND | | ug/L | 0.500 | 1 | 09/20/05 12:17 | SW846 8260B | IHA | 5092815 |
| Ethanol | ND | | ug/L | 50.0 | 1 | 09/20/05 12:17 | SW846 8260B | IHA | 5092815 |
| 1,2-Dichloroethane | ND | | ug/L | 0.500 | 1 | 09/20/05 12:17 | SW846 8260B | IHA | 5092815 |
| Ethyl tert-Butyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 12:17 | SW846 8260B | IHA | 5092815 |
| Isopropyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 12:17 | SW846 8260B | IHA | 5092815 |
| Methyl tert-Butyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 12:17 | SW846 8260B | IHA | 5092815 |
| Tertiary Butyl Alcohol | **46.2** | | ug/L | 10.0 | 1 | 09/21/05 13:35 | SW846 8260B | IHA | 5092815 |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *112 %* | | | | | *09/20/05 12:17* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *109 %* | | | | | *09/21/05 13:35* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *109 %* | | | | | *09/20/05 12:17* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *104 %* | | | | | *09/21/05 13:35* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *109 %* | | | | | *09/20/05 12:17* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *113 %* | | | | | *09/21/05 13:35* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *109 %* | | | | | *09/20/05 12:17* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *111 %* | | | | | *09/21/05 13:35* | *SW846 8260B* | *IHA* | *5092815* |
| Extractable Petroleum Hydrocarbons | | | | | | | | | |
| Diesel | **69.5** | Q3 | ug/L | 50.0 | 1 | 09/16/05 17:56 | SW846 8015B | mcj | 5092142 |
| *Surrogate: o-Terphenyl (55-150%)* | *136 %* | | | | | *09/16/05 17:56* | *SW846 8015B* | *mcj* | *5092142* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | ND | | ug/L | 50.0 | 1 | 09/23/05 10:12 | SW846 8015B | gg | 5092791 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *100 %* | | | | | *09/23/05 10:12* | *SW846 8015B* | *gg* | *5092791* |
| **Sample ID: NOI1318-10 (MW9 - Ground Water) Sampled: 09/12/05 13:10** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 07:50 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NOI1318-10 (MW9 - Ground Water) - cont. Sampled: 09/12/05 13:10** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B - cont. | | | | | | | | | |
| Benzene | ND | | ug/L | 0.50 | 1 | 09/23/05 11:14 | SW846 8021B | gg | 5092791 |
| Ethylbenzene | ND | | ug/L | 0.50 | 1 | 09/23/05 11:14 | SW846 8021B | gg | 5092791 |
| Toluene | ND | | ug/L | 0.50 | 1 | 09/23/05 11:14 | SW846 8021B | gg | 5092791 |
| Xylenes, total | ND | | ug/L | 0.50 | 1 | 09/23/05 11:14 | SW846 8021B | gg | 5092791 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *100 %* | | | | | *09/23/05 11:14* | *SW846 8021B* | *gg* | *5092791* |
| Oxygenates by EPA 8260B | | | | | | | | | |
| Tert-Amyl Methyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 12:39 | SW846 8260B | IHA | 5092815 |
| 1,2-Dibromoethane (EDB) | ND | | ug/L | 0.500 | 1 | 09/20/05 12:39 | SW846 8260B | IHA | 5092815 |
| Ethanol | ND | | ug/L | 50.0 | 1 | 09/20/05 12:39 | SW846 8260B | IHA | 5092815 |
| 1,2-Dichloroethane | ND | | ug/L | 0.500 | 1 | 09/20/05 12:39 | SW846 8260B | IHA | 5092815 |
| Ethyl tert-Butyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 12:39 | SW846 8260B | IHA | 5092815 |
| Isopropyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 12:39 | SW846 8260B | IHA | 5092815 |
| Methyl tert-Butyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 12:39 | SW846 8260B | IHA | 5092815 |
| Tertiary Butyl Alcohol | ND | | ug/L | 10.0 | 1 | 09/20/05 12:39 | SW846 8260B | IHA | 5092815 |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *114 %* | | | | | *09/20/05 12:39* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *109 %* | | | | | *09/20/05 12:39* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *109 %* | | | | | *09/20/05 12:39* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *110 %* | | | | | *09/20/05 12:39* | *SW846 8260B* | *IHA* | *5092815* |
| Extractable Petroleum Hydrocarbons | | | | | | | | | |
| Diesel | ND | | ug/L | 50.0 | 1 | 09/16/05 18:17 | SW846 8015B | mcj | 5092142 |
| *Surrogate: o-Terphenyl (55-150%)* | *131 %* | | | | | *09/16/05 18:17* | *SW846 8015B* | *mcj* | *5092142* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | ND | | ug/L | 50.0 | 1 | 09/23/05 11:14 | SW846 8015B | gg | 5092791 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *100 %* | | | | | *09/23/05 11:14* | *SW846 8015B* | *gg* | *5092791* |
| **Sample ID: NOI1318-11 (MW11 - Ground Water) Sampled: 09/12/05 17:30** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | **1050** | | ug/L | 50.0 | 100 | 09/20/05 18:08 | SW846 8021B | ac | 5092980 |
| Ethylbenzene | **1090** | | ug/L | 50.0 | 100 | 09/20/05 18:08 | SW846 8021B | ac | 5092980 |
| Toluene | **795** | | ug/L | 50.0 | 100 | 09/20/05 18:08 | SW846 8021B | ac | 5092980 |
| Xylenes, total | **4190** | | ug/L | 50.0 | 100 | 09/20/05 18:08 | SW846 8021B | ac | 5092980 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *99 %* | | | | | *09/20/05 18:08* | *SW846 8021B* | *ac* | *5092980* |
| Oxygenates by EPA 8260B | | | | | | | | | |
| Tert-Amyl Methyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 13:01 | SW846 8260B | IHA | 5092815 |
| 1,2-Dibromoethane (EDB) | ND | | ug/L | 0.500 | 1 | 09/20/05 13:01 | SW846 8260B | IHA | 5092815 |
| Ethanol | ND | | ug/L | 50.0 | 1 | 09/20/05 13:01 | SW846 8260B | IHA | 5092815 |
| 1,2-Dichloroethane | ND | | ug/L | 0.500 | 1 | 09/20/05 13:01 | SW846 8260B | IHA | 5092815 |
| Ethyl tert-Butyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 13:01 | SW846 8260B | IHA | 5092815 |
| Isopropyl Ether | ND | | ug/L | 0.500 | 1 | 09/20/05 13:01 | SW846 8260B | IHA | 5092815 |
| Methyl tert-Butyl Ether | **245** | | ug/L | 2.50 | 5 | 09/21/05 16:53 | SW846 8260B | IHA | 5092815 |
| Tertiary Butyl Alcohol | **24.2** | | ug/L | 10.0 | 1 | 09/20/05 13:01 | SW846 8260B | IHA | 5092815 |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *110 %* | | | | | *09/20/05 13:01* | *SW846 8260B* | *IHA* | *5092815* |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 07:50 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NOI1318-11RE1 (MW11 - Ground Water) - cont. Sampled: 09/12/05 17:30** | | | | | | | | | |
| Oxygenates by EPA 8260B - cont. | | | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4 (70-130%)* | *114 %* | | | | | *09/21/05 16:53* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *111 %* | | | | | *09/20/05 13:01* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Dibromofluoromethane (79-122%)* | *110 %* | | | | | *09/21/05 16:53* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *111 %* | | | | | *09/20/05 13:01* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: Toluene-d8 (78-121%)* | *108 %* | | | | | *09/21/05 16:53* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *108 %* | | | | | *09/20/05 13:01* | *SW846 8260B* | *IHA* | *5092815* |
| *Surrogate: 4-Bromofluorobenzene (78-126%)* | *107 %* | | | | | *09/21/05 16:53* | *SW846 8260B* | *IHA* | *5092815* |
| Extractable Petroleum Hydrocarbons | | | | | | | | | |
| Diesel | **4020** | Q3 | ug/L | 250 | 5 | 09/17/05 10:03 | SW846 8015B | mcj | 5092142 |
| *Surrogate: o-Terphenyl (55-150%)* | *88 %* | | | | | *09/17/05 10:03* | *SW846 8015B* | *mcj* | *5092142* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | **16600** | | ug/L | 5000 | 100 | 09/20/05 18:08 | SW846 8015B | ac | 5092980 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *99 %* | | | | | *09/20/05 18:08* | *SW846 8015B* | *ac* | *5092980* |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 07:50 |

## SAMPLE EXTRACTION DATA

| Parameter | Batch | Lab Number | Wt/Vol Extracted | Extracted Vol | Date | Analyst | Extraction Method |
|---|---|---|---|---|---|---|---|
| Extractable Petroleum Hydrocarbons | | | | | | | |
| SW846 8015B | 5092142 | NOI1318-02 | 1000.00 | 1.00 | 09/15/05 11:43 | RXT | EPA 3510C |
| SW846 8015B | 5092142 | NOI1318-03 | 1000.00 | 1.00 | 09/15/05 11:43 | RXT | EPA 3510C |
| SW846 8015B | 5092142 | NOI1318-04 | 1000.00 | 1.00 | 09/15/05 11:43 | RXT | EPA 3510C |
| SW846 8015B | 5092142 | NOI1318-05 | 1000.00 | 1.00 | 09/15/05 11:43 | RXT | EPA 3510C |
| SW846 8015B | 5092142 | NOI1318-06 | 1000.00 | 1.00 | 09/15/05 11:43 | RXT | EPA 3510C |
| SW846 8015B | 5092142 | NOI1318-07 | 1000.00 | 1.00 | 09/15/05 11:43 | RXT | EPA 3510C |
| SW846 8015B | 5092142 | NOI1318-08 | 1000.00 | 1.00 | 09/15/05 11:43 | RXT | EPA 3510C |
| SW846 8015B | 5092142 | NOI1318-09 | 1000.00 | 1.00 | 09/15/05 11:43 | RXT | EPA 3510C |
| SW846 8015B | 5092142 | NOI1318-10 | 1000.00 | 1.00 | 09/15/05 11:43 | RXT | EPA 3510C |
| SW846 8015B | 5092142 | NOI1318-11 | 1000.00 | 1.00 | 09/15/05 11:43 | RXT | EPA 3510C |
| SW846 8015B | 5092142 | NOI1318-11RE1 | 1000.00 | 1.00 | 09/15/05 11:43 | RXT | EPA 3510C |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 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** | | | | | | |
| **5092744-BLK1** | | | | | | |
| Benzene | <0.19 | | ug/L | 5092744 | 5092744-BLK1 | 09/19/05 00:07 |
| Ethylbenzene | <0.20 | | ug/L | 5092744 | 5092744-BLK1 | 09/19/05 00:07 |
| Toluene | <0.20 | | ug/L | 5092744 | 5092744-BLK1 | 09/19/05 00:07 |
| Xylenes, total | <0.50 | | ug/L | 5092744 | 5092744-BLK1 | 09/19/05 00:07 |
| *Surrogate: a,a,a-Trifluorotoluene* | 96% | | | 5092744 | 5092744-BLK1 | 09/19/05 00:07 |
| **5092791-BLK1** | | | | | | |
| Benzene | <0.19 | | ug/L | 5092791 | 5092791-BLK1 | 09/23/05 09:10 |
| Ethylbenzene | <0.20 | | ug/L | 5092791 | 5092791-BLK1 | 09/23/05 09:10 |
| Toluene | <0.20 | | ug/L | 5092791 | 5092791-BLK1 | 09/23/05 09:10 |
| Xylenes, total | <0.50 | | ug/L | 5092791 | 5092791-BLK1 | 09/23/05 09:10 |
| *Surrogate: a,a,a-Trifluorotoluene* | 100% | | | 5092791 | 5092791-BLK1 | 09/23/05 09:10 |
| **5092980-BLK1** | | | | | | |
| Benzene | <0.19 | | ug/L | 5092980 | 5092980-BLK1 | 09/20/05 12:29 |
| Ethylbenzene | <0.20 | | ug/L | 5092980 | 5092980-BLK1 | 09/20/05 12:29 |
| Toluene | <0.20 | | ug/L | 5092980 | 5092980-BLK1 | 09/20/05 12:29 |
| Xylenes, total | <0.50 | | ug/L | 5092980 | 5092980-BLK1 | 09/20/05 12:29 |
| *Surrogate: a,a,a-Trifluorotoluene* | 97% | | | 5092980 | 5092980-BLK1 | 09/20/05 12:29 |
| **Oxygenates by EPA 8260B** | | | | | | |
| **5092815-BLK1** | | | | | | |
| Tert-Amyl Methyl Ether | <0.300 | | ug/L | 5092815 | 5092815-BLK1 | 09/20/05 05:42 |
| 1,2-Dibromoethane (EDB) | <0.230 | | ug/L | 5092815 | 5092815-BLK1 | 09/20/05 05:42 |
| Ethanol | <50.3 | | ug/L | 5092815 | 5092815-BLK1 | 09/20/05 05:42 |
| 1,2-Dichloroethane | <0.390 | | ug/L | 5092815 | 5092815-BLK1 | 09/20/05 05:42 |
| Ethyl tert-Butyl Ether | <0.270 | | ug/L | 5092815 | 5092815-BLK1 | 09/20/05 05:42 |
| Isopropyl Ether | <0.180 | | ug/L | 5092815 | 5092815-BLK1 | 09/20/05 05:42 |
| Methyl tert-Butyl Ether | <0.230 | | ug/L | 5092815 | 5092815-BLK1 | 09/20/05 05:42 |
| Tertiary Butyl Alcohol | <4.28 | | ug/L | 5092815 | 5092815-BLK1 | 09/20/05 05:42 |
| *Surrogate: 1,2-Dichloroethane-d4* | 114% | | | 5092815 | 5092815-BLK1 | 09/20/05 05:42 |
| *Surrogate: Dibromofluoromethane* | 110% | | | 5092815 | 5092815-BLK1 | 09/20/05 05:42 |
| *Surrogate: Toluene-d8* | 114% | | | 5092815 | 5092815-BLK1 | 09/20/05 05:42 |
| *Surrogate: 4-Bromofluorobenzene* | 106% | | | 5092815 | 5092815-BLK1 | 09/20/05 05:42 |
| **Extractable Petroleum Hydrocarbons** | | | | | | |
| **5092142-BLK1** | | | | | | |
| Diesel | <33.0 | | ug/L | 5092142 | 5092142-BLK1 | 09/16/05 14:49 |
| *Surrogate: o-Terphenyl* | 104% | | | 5092142 | 5092142-BLK1 | 09/16/05 14:49 |
| **Purgeable Petroleum Hydrocarbons** | | | | | | |
| **5092744-BLK1** | | | | | | |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 07:50 |

## PROJECT QUALITY CONTROL DATA
### Blank - Cont.

| Analyte | Blank Value | Q | Units | Q.C. Batch | Lab Number | Analyzed Date/Time |
|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons** | | | | | | |
| **5092744-BLK1** | | | | | | |
| GRO as Gasoline | <33.0 | | ug/L | 5092744 | 5092744-BLK1 | 09/19/05 00:07 |
| *Surrogate: a,a,a-Trifluorotoluene* | 96% | | | 5092744 | 5092744-BLK1 | 09/19/05 00:07 |
| **5092791-BLK1** | | | | | | |
| GRO as Gasoline | <33.0 | | ug/L | 5092791 | 5092791-BLK1 | 09/23/05 09:10 |
| *Surrogate: a,a,a-Trifluorotoluene* | 100% | | | 5092791 | 5092791-BLK1 | 09/23/05 09:10 |
| **5092980-BLK1** | | | | | | |
| GRO as Gasoline | <33.0 | | ug/L | 5092980 | 5092980-BLK1 | 09/20/05 12:29 |
| *Surrogate: a,a,a-Trifluorotoluene* | 97% | | | 5092980 | 5092980-BLK1 | 09/20/05 12:29 |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 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** | | | | | | | | |
| **5092744-BS1** | | | | | | | | |
| Benzene | 100 | 108 | | ug/L | 108% | 72 - 118 | 5092744 | 09/19/05 12:03 |
| Ethylbenzene | 100 | 111 | | ug/L | 111% | 71 - 119 | 5092744 | 09/19/05 12:03 |
| Toluene | 100 | 111 | | ug/L | 111% | 72 - 119 | 5092744 | 09/19/05 12:03 |
| Xylenes, total | 200 | 218 | | ug/L | 109% | 70 - 117 | 5092744 | 09/19/05 12:03 |
| *Surrogate: a,a,a-Trifluorotoluene* | 30.0 | 30.5 | | | 102% | 63 - 134 | 5092744 | 09/19/05 12:03 |
| **5092744-BS2** | | | | | | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | 30.0 | 32.3 | | | 108% | 63 - 134 | 5092744 | 09/19/05 12:35 |
| **5092791-BS1** | | | | | | | | |
| Benzene | 100 | 112 | | ug/L | 112% | 72 - 118 | 5092791 | 09/23/05 13:18 |
| Ethylbenzene | 100 | 111 | | ug/L | 111% | 71 - 119 | 5092791 | 09/23/05 13:18 |
| Toluene | 100 | 109 | | ug/L | 109% | 72 - 119 | 5092791 | 09/23/05 13:18 |
| Xylenes, total | 200 | 215 | | ug/L | 108% | 70 - 117 | 5092791 | 09/23/05 13:18 |
| *Surrogate: a,a,a-Trifluorotoluene* | 30.0 | 30.7 | | | 102% | 63 - 134 | 5092791 | 09/23/05 13:18 |
| **5092980-BS1** | | | | | | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | 30.0 | 30.6 | | | 102% | 63 - 134 | 5092980 | 09/20/05 19:42 |
| **Oxygenates by EPA 8260B** | | | | | | | | |
| **5092815-BS1** | | | | | | | | |
| Tert-Amyl Methyl Ether | 50.0 | 60.6 | | ug/L | 121% | 68 - 134 | 5092815 | 09/20/05 04:35 |
| 1,2-Dibromoethane (EDB) | 50.0 | 56.4 | | ug/L | 113% | 72 - 135 | 5092815 | 09/20/05 04:35 |
| Ethanol | 5000 | 8540 | L | ug/L | 171% | 40 - 163 | 5092815 | 09/20/05 04:35 |
| 1,2-Dichloroethane | 50.0 | 56.4 | | ug/L | 113% | 73 - 130 | 5092815 | 09/20/05 04:35 |
| Ethyl tert-Butyl Ether | 50.0 | 62.0 | | ug/L | 124% | 67 - 140 | 5092815 | 09/20/05 04:35 |
| Isopropyl Ether | 50.0 | 65.2 | | ug/L | 130% | 65 - 140 | 5092815 | 09/20/05 04:35 |
| Methyl tert-Butyl Ether | 50.0 | 63.5 | | ug/L | 127% | 69 - 136 | 5092815 | 09/20/05 04:35 |
| Tertiary Butyl Alcohol | 500 | 544 | | ug/L | 109% | 28 - 182 | 5092815 | 09/20/05 04:35 |
| *Surrogate: 1,2-Dichloroethane-d4* | 50.0 | 54.7 | | | 109% | 70 - 130 | 5092815 | 09/20/05 04:35 |
| *Surrogate: Dibromofluoromethane* | 50.0 | 55.4 | | | 111% | 79 - 122 | 5092815 | 09/20/05 04:35 |
| *Surrogate: Toluene-d8* | 50.0 | 51.6 | | | 103% | 78 - 121 | 5092815 | 09/20/05 04:35 |
| *Surrogate: 4-Bromofluorobenzene* | 50.0 | 54.1 | | | 108% | 78 - 126 | 5092815 | 09/20/05 04:35 |
| **Extractable Petroleum Hydrocarbons** | | | | | | | | |
| **5092142-BS1** | | | | | | | | |
| Diesel | 1000 | 692 | MNR1 | ug/L | 69% | 43 - 119 | 5092142 | 09/16/05 15:10 |
| *Surrogate: o-Terphenyl* | 20.0 | 21.5 | | | 108% | 55 - 150 | 5092142 | 09/16/05 15:10 |
| **Purgeable Petroleum Hydrocarbons** | | | | | | | | |
| **5092744-BS2** | | | | | | | | |
| GRO as Gasoline | 1000 | 1160 | | ug/L | 116% | 64 - 130 | 5092744 | 09/19/05 12:35 |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 07:50 |

## PROJECT QUALITY CONTROL DATA
### LCS - Cont.

| Analyte | Known Val. | Analyzed Val | Q | Units | % Rec. | Target Range | Batch | Analyzed Date/Time |
|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons** | | | | | | | | |
| **5092744-BS2** | | | | | | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | 30.0 | 32.3 | | | 108% | 63 - 134 | 5092744 | 09/19/05 12:35 |
| **5092791-BS2** | | | | | | | | |
| GRO as Gasoline | 1000 | 745 | | ug/L | 74% | 64 - 130 | 5092791 | 09/23/05 13:49 |
| *Surrogate: a,a,a-Trifluorotoluene* | 30.0 | 32.8 | | | 109% | 63 - 134 | 5092791 | 09/23/05 13:49 |
| **5092980-BS1** | | | | | | | | |
| GRO as Gasoline | 1000 | 1100 | | ug/L | 110% | 64 - 130 | 5092980 | 09/20/05 19:42 |
| *Surrogate: a,a,a-Trifluorotoluene* | 30.0 | 30.6 | | | 102% | 63 - 134 | 5092980 | 09/20/05 19:42 |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 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** | | | | | | | | | | |
| **5092744-MS1** | | | | | | | | | | |
| Benzene | ND | 57.5 | | ug/L | 50.0 | 115% | 50 - 160 | 5092744 | NOI1215-06 | 09/19/05 11:01 |
| Ethylbenzene | ND | 59.6 | | ug/L | 50.0 | 119% | 47 - 159 | 5092744 | NOI1215-06 | 09/19/05 11:01 |
| Toluene | ND | 59.0 | | ug/L | 50.0 | 118% | 51 - 157 | 5092744 | NOI1215-06 | 09/19/05 11:01 |
| Xylenes, total | ND | 112 | | ug/L | 100 | 112% | 51 - 152 | 5092744 | NOI1215-06 | 09/19/05 11:01 |
| *Surrogate: a,a,a-Trifluorotoluene* | | 29.4 | | ug/L | 30.0 | 98% | 63 - 134 | 5092744 | NOI1215-06 | 09/19/05 11:01 |
| **Oxygenates by EPA 8260B** | | | | | | | | | | |
| **5092815-MS1** | | | | | | | | | | |
| Tert-Amyl Methyl Ether | | 33.1 | | ug/L | 50.0 | 66% | 54 - 146 | 5092815 | | 09/20/05 14:07 |
| 1,2-Dibromoethane (EDB) | | 32.9 | | ug/L | 50.0 | 66% | 64 - 145 | 5092815 | | 09/20/05 14:07 |
| Ethanol | | 3460 | | ug/L | 5000 | 69% | 25 - 178 | 5092815 | | 09/20/05 14:07 |
| 1,2-Dichloroethane | | 36.6 | | ug/L | 50.0 | 73% | 60 - 145 | 5092815 | | 09/20/05 14:07 |
| Ethyl tert-Butyl Ether | | 32.6 | | ug/L | 50.0 | 65% | 51 - 154 | 5092815 | | 09/20/05 14:07 |
| Isopropyl Ether | | 37.0 | | ug/L | 50.0 | 74% | 54 - 155 | 5092815 | | 09/20/05 14:07 |
| Methyl tert-Butyl Ether | | 34.7 | | ug/L | 50.0 | 69% | 45 - 157 | 5092815 | | 09/20/05 14:07 |
| Tertiary Butyl Alcohol | | 344 | | ug/L | 500 | 69% | 10 - 201 | 5092815 | | 09/20/05 14:07 |
| *Surrogate: 1,2-Dichloroethane-d4* | | 57.0 | | ug/L | 50.0 | 114% | 70 - 130 | 5092815 | | 09/20/05 14:07 |
| *Surrogate: Dibromofluoromethane* | | 54.2 | | ug/L | 50.0 | 108% | 79 - 122 | 5092815 | | 09/20/05 14:07 |
| *Surrogate: Toluene-d8* | | 53.0 | | ug/L | 50.0 | 106% | 78 - 121 | 5092815 | | 09/20/05 14:07 |
| *Surrogate: 4-Bromofluorobenzene* | | 54.9 | | ug/L | 50.0 | 110% | 78 - 126 | 5092815 | | 09/20/05 14:07 |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 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** | | | | | | | | | | | | |
| **5092744-MSD1** | | | | | | | | | | | | |
| Benzene | ND | 56.6 | | ug/L | 50.0 | 113% | 50 - 160 | 2 | 30 | 5092744 | NOI1215-06 | 09/19/05 11:32 |
| Ethylbenzene | ND | 58.4 | | ug/L | 50.0 | 117% | 47 - 159 | 2 | 38 | 5092744 | NOI1215-06 | 09/19/05 11:32 |
| Toluene | ND | 57.5 | | ug/L | 50.0 | 115% | 51 - 157 | 3 | 37 | 5092744 | NOI1215-06 | 09/19/05 11:32 |
| Xylenes, total | ND | 110 | | ug/L | 100 | 110% | 51 - 152 | 2 | 33 | 5092744 | NOI1215-06 | 09/19/05 11:32 |
| *Surrogate: a,a,a-Trifluorotoluene* | | 28.8 | | ug/L | 30.0 | 96% | 63 - 134 | | | 5092744 | NOI1215-06 | 09/19/05 11:32 |
| **Oxygenates by EPA 8260B** | | | | | | | | | | | | |
| **5092815-MSD1** | | | | | | | | | | | | |
| Tert-Amyl Methyl Ether | | 40.1 | | ug/L | 50.0 | 80% | 54 - 146 | 19 | 27 | 5092815 | | 09/20/05 14:29 |
| 1,2-Dibromoethane (EDB) | | 41.0 | | ug/L | 50.0 | 82% | 64 - 145 | 22 | 29 | 5092815 | | 09/20/05 14:29 |
| Ethanol | | 4980 | | ug/L | 5000 | 100% | 25 - 178 | 36 | 47 | 5092815 | | 09/20/05 14:29 |
| 1,2-Dichloroethane | | 41.7 | | ug/L | 50.0 | 83% | 60 - 145 | 13 | 24 | 5092815 | | 09/20/05 14:29 |
| Ethyl tert-Butyl Ether | | 40.0 | | ug/L | 50.0 | 80% | 51 - 154 | 20 | 27 | 5092815 | | 09/20/05 14:29 |
| Isopropyl Ether | | 44.6 | | ug/L | 50.0 | 89% | 54 - 155 | 19 | 25 | 5092815 | | 09/20/05 14:29 |
| Methyl tert-Butyl Ether | | 39.6 | | ug/L | 50.0 | 79% | 45 - 157 | 13 | 37 | 5092815 | | 09/20/05 14:29 |
| Tertiary Butyl Alcohol | | 459 | | ug/L | 500 | 92% | 10 - 201 | 29 | 47 | 5092815 | | 09/20/05 14:29 |
| *Surrogate: 1,2-Dichloroethane-d4* | | 55.5 | | ug/L | 50.0 | 111% | 70 - 130 | | | 5092815 | | 09/20/05 14:29 |
| *Surrogate: Dibromofluoromethane* | | 53.1 | | ug/L | 50.0 | 106% | 79 - 122 | | | 5092815 | | 09/20/05 14:29 |
| *Surrogate: Toluene-d8* | | 53.6 | | ug/L | 50.0 | 107% | 78 - 121 | | | 5092815 | | 09/20/05 14:29 |
| *Surrogate: 4-Bromofluorobenzene* | | 52.2 | | ug/L | 50.0 | 104% | 78 - 126 | | | 5092815 | | 09/20/05 14:29 |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 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 | N/A | X | X |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 07:50 |

## NELAC CERTIFICATION SUMMARY

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

| Method | Matrix | Analyte |
|---|---|---|

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1318 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 13X |
| Attn | Paula Sime | Received: | 09/14/05 07:50 |

## DATA QUALIFIERS AND DEFINITIONS

| | |
|---|---|
| **L** | Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted. |
| **MNR1** | There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike and/or Blank Spike Duplicate. |
| **Q3** | The chromatographic pattern was not consistent with diesel fuel. |

TestAmerica
ANALYTICAL TESTING CORPORATION

**Nashville Division**

**COOLER RECEIPT FORM** **BC#** NOI1318

**Client Name : ERI**

**Cooler Received/Opened On: 9/14/05 Accessioned By: James D. Jacobs**

Log-in Personnel Signature

1. **Temperature of Cooler when triaged: 0.4 Degrees Celsius**
2. **Were custody seals on outside of cooler?** ..... (YES)...NO...NA
   a. **If yes, how many and where:** 1 Front
3. **Were custody seals on containers?** ..... (NO)...YES...NA
4. **Were the seals intact, signed, and dated correctly?** ..... (YES)...NO...NA
5. **Were custody papers inside cooler?** ..... (YES)...NO...NA
6. **Were custody papers properly filled out (ink, signed, etc)?** ..... (YES)...NO...NA
7. **Did you sign the custody papers in the appropriate place?** ..... (YES)...NO...NA
8. **What kind of packing material used?** (Bubblewrap) Peanuts Vermiculite Foam Insert Ziplock baggies Paper Other None
9. **Cooling process:** (Ice) Ice-pack Ice (direct contact) Dry ice Other None
10. **Did all containers arrive in good condition ( unbroken)?** ..... (YES)...NO...NA
11. **Were all container labels complete (#, date, signed, pres., etc)?** ..... (YES)...NO...NA
12. **Did all container labels and tags agree with custody papers?** ..... (YES)...NO...NA
13. **Were correct containers used for the analysis requested?** ..... (YES)...NO...NA
14. a. **Were VOA vials received?** ..... (YES)...NO...NA
    b. **Was there any observable head space present in any VOA vial?** ..... (NO)...YES...NA
15. **Was sufficient amount of sample sent in each container?** ..... (YES)...NO...NA
16. **Were correct preservatives used?** ..... (YES)...NO...NA
    **If not, record standard ID of preservative used here** _____
17. **Was residual chlorine present?** ..... NO...YES...(NA)
18. **Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:**

    9436, 9447

    (Fed-Ex) UPS Velocity DHL Route Off-street Misc.
19. **If a Non-Conformance exists, see attached or comments below:**

BIS = Broken in shipment

# CHAIN OF CUSTODY RECORD

Page ____ of ____

**TestAmerica** INCORPORATED

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

NOI1318
09/23/05 17:00

ExxonMobil

**Consultant Name:** Environmental Resolutions, Inc.
**Address:** 601 N McDowell Blvd
**City/State/Zip:** Petaluma, California 94954
**Project Manager** Paula Sime
**Telephone Number:** (707) 766-2000
**ERI Job Number:** 250613X
**Sampler Name: (Print)** David Daniels
**Sampler Signature:**

**ExxonMobil Engineer** Jennifer Sedlachek
**Telephone Number** (510) 547-8196
**Account #:** 10228
**PO #:** 4505890963
**Facility ID #** 7-0104
**Global ID#** T0600100555
**Site Address** 1725 Park Street
**City, State Zip** Alameda, California

**Shipping Method:** ☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

**TAT**
☐ 24 hour ☐ 72 hour
☐ 48 hour ☐ 96 hour
☑ 8 day

**PROVIDE:**
EDF Report

**Special Instructions:**
Use silica gel clean up with TPHd analysis. 7 CA Oxy's = MTBE, ETBE, TBA, TAME, DIPE, 1,2-DCA, EDB

| Sample ID / Description | DATE | TIME | COMP | GRAB | PRESERV (VOA/LITER) | NUMBER (VOA/LITER) | Matrix: Water | Soil | Vapor | Analyze For: TPHd 8015B | TPHg 8015B | BTEX 8021B | 7 CA OXY 8260B | Ethanol 8260B | MTBE 8260B | VOCs 8260B | MTBE 524.1 | confirm MTBE 8260B | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QCBB 9/12/05 | 9-12-05 | 1800 | | | HCL | 2 | X | | | H | O | L | D | | N | QI | 318 | -01 | | |
| MW1 | 1700 → | | | | HCL/NONE | 6/2 | X | | | X | X | X | X | X | | | | -02 | | |
| MW2 | 1518 → | | | | HCL/NONE | 6/2 | X | | | X | X | X | X | X | | | | -03 | | |
| MW3 | 9-12-05 | 1745 | | | HCL/NONE | 6/2 | X | | | X | X | X | X | X | | | | -04 | | |
| MW4 | 1725 → | | | | HCL/NONE | 6/2 | X | | | X | X | X | X | X | | | | -05 | | |
| MW5 | 1544 → | | | | HCL/NONE | 6/2 | X | | | X | X | X | X | X | | | | -06 | | |
| MW6 | 9-12-05 | 1755 | | | HCL/NONE | 6/2 | X | | | X | X | X | X | X | | | | -07 | | |
| MW7 | 1400 → | | | | HCL/NONE | 6/2 | X | | | X | X | X | X | X | | | | -08 | | |
| MW8 | 9-12-05 | 1730 | | | HCL/NONE | 6/2 | X | | | X | X | X | X | X | | | | -09 | | |
| MW9 | 9-12-05 | 1310 | | | HCL/NONE | 6/2 | X | | | X | X | X | X | X | | | | -10 | | |
| MW11 9/12/05 | 9-12-05 | 1730 | | | HCL/NONE | 6/2 | X | | | X | X | X | X | X | | | | -11 | | |
| | | | | | | | | | | | | | | | | | | | | |

| Relinquished by: | Date | Time | Received by: | Time |
|---|---|---|---|---|
| David Daniels | 9-13-05 | 6:45 | | |
| Relinquished by: | Date | Time | Received by TestAmerica: | Time |
| | | | | 9/14/05 250 |

**Laboratory Comments:**
Temperature Upon Receipt: 0.4°C
Sample Containers Intact? Yes
VOAs Free of Headspace? Yes

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

6/30/05

**ERI - NORTHERN CA 10228**
**Paula Sime**
**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 7-0104
Project Number: 2506-11X.
Laboratory Project Number: 421148.

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 | Collection Date |
|---|---|---|
| A-INF | 05-A93656 | 6/27/05 |
| A-INT | 05-A93657 | 6/27/05 |
| A-EFF | 05-A93658 | 6/27/05 |

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax



| 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: 6/30/05

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 Manage
Mark Hollingsworth, Director of Project

Laboratory Certification Number: 01168CA

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

# ANALYTICAL REPORT

ERI - NORTHERN CA 10228
Paula Sime
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A93656
Sample ID: A-INF
Sample Type: Air bag
Site ID: 7-0104

Project: 2506-11X
Project Name: EXXONMOBIL 7-0104
Sampler: COREY WEIAND

Date Collected: 6/27/05
Time Collected:
Date Received: 6/29/05
Time Received: 7:45

| Analyte | Result mg/m3 | Result PPMV | Dilution Factor | Analysis Date | Time | Analyst | Method |
|---|---|---|---|---|---|---|---|
| Toluene | 4.37 | 1.14 | 1. | 6/29/05 | 14:14 | C.Johnson | EPA- 18M |
| Benzene | 11.3 | 3.48 | 1. | 6/29/05 | 14:14 | C.Johnson | EPA- 18M |
| Ethyl benzene | 2.03 | 0.460 | 1. | 6/29/05 | 14:14 | C.Johnson | EPA- 18M |
| Xylene | 6.60 | 1.49 | 1. | 6/29/05 | 14:14 | C.Johnson | EPA- 18M |
| Methyl-t-butyl ether | 8.63 | 2.35 | 1. | 6/29/05 | 14:14 | C.Johnson | EPA- 18M |
| TRPH Lo >C4-C10 | 124. | 29.8 | 1. | 6/29/05 | 14:14 | C.Johnson | EPA-18M |

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
Paula Sime
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A93657
Sample ID: A-INT
Sample Type: Air bag
Site ID: 7-0104

Project: 2506-11X
Project Name: EXXONMOBIL 7-0104
Sampler: COREY WEIAND

Date Collected: 6/27/05
Time Collected:
Date Received: 6/29/05
Time Received: 7:45

| Analyte | Result mg/m3 | Result PPMV | Dilution Factor | Analysis Date | Time | Analyst | Method |
|---|---|---|---|---|---|---|---|
| Toluene | < 0.508 | < 0.133 | 1. | 6/29/05 | 14:44 | C.Johnson | EPA- 18M |
| Benzene | < 0.508 | < 0.156 | 1. | 6/29/05 | 14:44 | C.Johnson | EPA- 18M |
| Ethyl benzene | < 0.508 | < 0.115 | 1. | 6/29/05 | 14:44 | C.Johnson | EPA- 18M |
| Xylene | < 1.52 | < 0.344 | 1. | 6/29/05 | 14:44 | C.Johnson | EPA- 18M |
| Methyl-t-butyl ether | < 0.508 | < 0.139 | 1. | 6/29/05 | 14:44 | C.Johnson | EPA- 18M |
| TRPH Lo >C4-C10 | < 10.2 | < 2.45 | 1. | 6/29/05 | 14:44 | C.Johnson | EPA-18M |

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
Paula Sime
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A93658
Sample ID: A-EFF
Sample Type: Air bag
Site ID: 7-0104

Project: 2506-11X
Project Name: EXXONMOBIL 7-0104
Sampler: COREY WEIAND

Date Collected: 6/27/05
Time Collected:
Date Received: 6/29/05
Time Received: 7:45

| Analyte | Result mg/m3 | Result PPMV | Dilution Factor | Analysis Date | Time | Analyst | Method |
|---|---|---|---|---|---|---|---|
| Toluene | < 0.508 | < 0.133 | 1. | 6/29/05 | 15:13 | C.Johnson | EPA- 18M |
| Benzene | < 0.508 | < 0.156 | 1. | 6/29/05 | 15:13 | C.Johnson | EPA- 18M |
| Ethyl benzene | < 0.508 | < 0.115 | 1. | 6/29/05 | 15:13 | C.Johnson | EPA- 18M |
| Xylene | < 1.52 | < 0.344 | 1. | 6/29/05 | 15:13 | C.Johnson | EPA- 18M |
| Methyl-t-butyl ether | < 0.508 | < 0.139 | 1. | 6/29/05 | 15:13 | C.Johnson | EPA- 18M |
| TRPH Lo >C4-C10 | < 10.2 | < 2.45 | 1. | 6/29/05 | 15:13 | C.Johnson | EPA-18M |

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

# PROJECT QUALITY CONTROL DATA
Project Number: 2506-11X
Project Name: EXXONMOBIL 7-0104

Laboratory Receipt Date: 6/29/05

## 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 |
|---|---|---|---|---|---|---|---|---|
| **MISC PARAMETERS** | | | | | | | | |
| Toluene | mg/m3 | 65.1 | 81.6 | 19.0 | 87 | 70. - 130. | 1179 | 05-A93121 |
| Benzene | mg/m3 | 35.2 | 59.7 | 32.3 | 76 | 70. - 130. | 1179 | 05-A93121 |
| Xylene | mg/m3 | 120. | 187. | 132. | 51# | 70. - 130. | 1179 | 05-A93121 |
| Ethyl benzene | mg/m3 | 15.2 | 49.3 | 43.9 | 78 | 70. - 130. | 1179 | 05-A93121 |
| Methyl-t-butyl ether | mg/m3 | 46.9 | 73.3 | 36.4 | 73 | 70. - 130. | 1179 | 05-A93121 |
| TRPH Lo >C4-C10 | mg/m3 | 730. | 888. | 417. | 38# | 70. - 130. | 1179 | 05-A93121 |

## Matrix Spike Duplicate

| Analyte | units | Orig. Val. | Duplicate | RPD | Limit | Q.C. Batch |
|---|---|---|---|---|---|---|

## Laboratory Control Data

| Analyte | units | Known Val. | Analyzed Val | % Recovery | Target Range | Q.C. Batch |
|---|---|---|---|---|---|---|
| **MISC PARAMETERS** | | | | | | |
| Toluene | mg/m3 | 19.0 | 20.7 | 109 | 70 - 130 | 1179 |
| Benzene | mg/m3 | 16.1 | 17.7 | 110 | 70 - 130 | 1179 |
| Xylene | mg/m3 | 65.8 | 69.8 | 106 | 70 - 130 | 1179 |
| Ethyl benzene | mg/m3 | 21.9 | 23.4 | 107 | 70 - 130 | 1179 |
| Methyl-t-butyl ether | mg/m3 | 18.2 | 20.3 | 112 | 70 - 130 | 1179 |
| TRPH Lo >C4-C10 | mg/m3 | 209. | 218. | 104 | 70 - 130 | 1179 |

Project QC continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

**PROJECT QUALITY CONTROL DATA**
**Project Number: 2506-11X**
**Project Name: EXXONMOBIL 7-0104**
**Page: 2**
**Laboratory Receipt Date: 6/29/05**

Duplicates

| Analyte | units | Orig. Val. | Duplicate | RPD | Limit | Q.C. Batch | Sample Dup'd |
|---|---|---|---|---|---|---|---|
| Toluene | mg/m3 | 65.1 | 64.1 | 1.55 | 15. | 1179 | 05-A93121 |
| Benzene | mg/m3 | 35.2 | 36.0 | 2.25 | 15. | 1179 | 05-A93121 |
| Xylene | mg/m3 | 120. | 116. | 3.39 | 15. | 1179 | 05-A93121 |
| Ethyl benzene | mg/m3 | 15.2 | 14.8 | 2.67 | 15. | 1179 | 05-A93121 |
| Methyl-t-butyl ether | mg/m3 | 46.9 | 47.5 | 1.27 | 15. | 1179 | 05-A93121 |
| TRPH Lo >C4-C10 | mg/m3 | 730. | 720. | 1.38 | 15. | 1179 | 05-A93121 |

Blank Data

| Analyte | Blank Value | Units | Q.C. Batch | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| **MISC PARAMETERS** | | | | | |
| Toluene | < 0.508 | mg/m3 | 1179 | 6/29/05 | 12:18 |
| Benzene | < 0.508 | mg/m3 | 1179 | 6/29/05 | 12:18 |
| Xylene | < 1.52 | mg/m3 | 1179 | 6/29/05 | 12:18 |
| Ethyl benzene | < 0.508 | mg/m3 | 1179 | 6/29/05 | 12:18 |
| Methyl-t-butyl ether | < 0.508 | mg/m3 | 1179 | 6/29/05 | 12:18 |
| TRPH Lo >C4-C10 | < 10.2 | mg/m3 | 1179 | 6/29/05 | 12:18 |

# = Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 421148

TestAmerica
ANALYTICAL TESTING CORPORATION

**Nashville Division**

**COOLER RECEIPT FORM** **BC#** 421148

**Client Name :** ERI

**Cooler Received/Opened On:** 6/29/05 **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:

    1561

    (Fed-Ex) UPS Velocity DHL Route Off-street Misc.
19. If a Non-Conformance exists, see attached or comments below:

BIS = Broken in shipment
Cooler Receipt Form

# CHAIN OF CUSTODY RECORD

Page ____ of ____

**TestAmerica** INCORPORATED

(615) 726-0177

**421148**

Nashville Division

2960 Foster Creighton

Nashville, TN 37204

**ExxonMobil**

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: **2506-11X**

Sampler Name: (Print) Corey Weiland

Sampler Signature:

ExxonMobil Engineer: Jennifer Sedlachek

Telephone Number: 510-547-8196

Account #: 10228

PO #: 4505890963

Facility ID #: 7-0104

Global ID#:

Site Address: 1725 Park Street

City, State Zip: Alameda, California

TAT:
- [x] 24 hour
- [ ] 72 hour
- [ ] 48 hour
- [ ] 96 hour
- [ ] 8 day

PROVIDE:
- EDF Report
- FAX Results

Special Instructions:
* Include MTBE
24 hr TAT

| Sample ID / Description | DATE | TIME | COMP | GRAB | PRESERV | NUMBER | Matrix: Water | Matrix: Soil | Matrix: Vapor | Analyze For: EPA 18* | Analyze For: | Analyze For: | Analyze For: | Analyze For: | Analyze For: | Analyze For: | Analyze For: | Analyze For: | Analyze For: | Analyze For: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A-INF | 6/21/05 | | | X | NONE | 1-1L | | | X | X | | | 93656 | | | | | | | |
| A-INT | 6/27/05 | | | X | NONE | 1-1L | | | X | X | | | 93657 | | | | | | | |
| A-EFF | 6/27/05 | | | X | NONE | 1-1L | | | X | X | | | 93658 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

Relinquished by: [signature] Date 6/28/05 Time 0730 Received by: Time

Relinquished by: Date Time Received by TestAmerica: [signature] Date 6/29/05 Time 945

**Laboratory Comments:**

Temperature Upon Receipt: N/A

Sample Containers Intact? Yes

VOAs Free of Headspace?

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

7/29/05

**ERI - NORTHERN CA 10228**
**Paula Sime**
**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 7-0104
Project Number: 2506-11X.
Laboratory Project Number: 424185.

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 | Collection Date |
|---|---|---|
| A-INF | 05-A107782 | 7/22/05 |
| A-INT | 05-A107783 | 7/22/05 |
| A-EFF | 05-A107784 | 7/22/05 |

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax



| 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: Pamela A. Langford Report Date: 7/28/05

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 Manage
Mark Hollingsworth, Director of Project

Laboratory Certification Number: 01168CA

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

# ANALYTICAL REPORT

ERI - NORTHERN CA 10228
Paula Sime
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A107782
Sample ID: A-INF
Sample Type: Air bag
Site ID: 7-0104

Project: 2506-11X
Project Name: EXXONMOBIL 7-0104
Sampler: JON HERMAN

Date Collected: 7/22/05
Time Collected: 14:30
Date Received: 7/27/05
Time Received: 7:50

| Analyte | Result mg/m3 | Result PPMV | Dilution Factor | Analysis Date | Time | Analyst | Method |
|---|---|---|---|---|---|---|---|
| Toluene | 19.9 | 5.19 | 1. | 7/27/05 | 18:33 | C.Johnson | EPA- 18M |
| Benzene | 72.7 | 22.4 | 1. | 7/27/05 | 18:33 | C.Johnson | EPA- 18M |
| Ethyl benzene | 5.69 | 1.29 | 1. | 7/27/05 | 18:33 | C.Johnson | EPA- 18M |
| Xylene | 32.1 | 7.27 | 1. | 7/27/05 | 18:33 | C.Johnson | EPA- 18M |
| Methyl-t-butyl ether | 71.8 | 19.6 | 1. | 7/27/05 | 18:33 | C.Johnson | EPA- 18M |
| TRPH Lo >C4-C10 | 799. | 192. | 1. | 7/27/05 | 18:33 | C.Johnson | EPA-18M |

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
Paula Sime
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A107783
Sample ID: A-INT
Sample Type: Air bag
Site ID: 7-0104

Project: 2506-11X
Project Name: EXXONMOBIL 7-0104
Sampler: JON HERMAN

Date Collected: 7/22/05
Time Collected: 14:15
Date Received: 7/27/05
Time Received: 7:50

| Analyte | Result mg/m3 | Result PPMV | Dilution Factor | Analysis Date | Time | Analyst | Method |
|---|---|---|---|---|---|---|---|
| Toluene | < 0.508 | < 0.133 | 1. | 7/27/05 | 19:01 | C.Johnson | EPA- 18M |
| Benzene | 2.03 | 0.625 | 1. | 7/27/05 | 19:01 | C.Johnson | EPA- 18M |
| Ethyl benzene | < 0.508 | < 0.115 | 1. | 7/27/05 | 19:01 | C.Johnson | EPA- 18M |
| Xylene | 2.54 | 0.575 | 1. | 7/27/05 | 19:01 | C.Johnson | EPA- 18M |
| Methyl-t-butyl ether | 4.87 | 1.33 | 1. | 7/27/05 | 19:01 | C.Johnson | EPA- 18M |
| TRPH Lo >C4-C10 | 20.2 | 4.85 | 1. | 7/27/05 | 19:01 | C.Johnson | EPA-18M |

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
Paula Sime
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A107784
Sample ID: A-EFF
Sample Type: Air bag
Site ID: 7-0104

Project: 2506-11X
Project Name: EXXONMOBIL 7-0104
Sampler: JON HERMAN

Date Collected: 7/22/05
Time Collected: 14:00
Date Received: 7/27/05
Time Received: 7:50

| Analyte | Result mg/m3 | Result PPMV | Dilution Factor | Analysis Date | Time | Analyst | Method |
|---|---|---|---|---|---|---|---|
| Toluene | < 0.508 | < 0.133 | 1. | 7/27/05 | 19:30 | C.Johnson | EPA- 18M |
| Benzene | < 0.508 | < 0.156 | 1. | 7/27/05 | 19:30 | C.Johnson | EPA- 18M |
| Ethyl benzene | < 0.508 | < 0.115 | 1. | 7/27/05 | 19:30 | C.Johnson | EPA- 18M |
| Xylene | 2.64 | 0.598 | 1. | 7/27/05 | 19:30 | C.Johnson | EPA- 18M |
| Methyl-t-butyl ether | 0.609 | 0.166 | 1. | 7/27/05 | 19:30 | C.Johnson | EPA- 18M |
| TRPH Lo >C4-C10 | < 10.2 | < 2.45 | 1. | 7/27/05 | 19:30 | C.Johnson | EPA-18M |

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

**PROJECT QUALITY CONTROL DATA**
**Project Number: 2506-11X**
**Project Name: EXXONMOBIL 7-0104**
**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 |
|---|---|---|---|---|---|---|---|---|
| **MISC PARAMETERS** | | | | | | | | |
| Toluene | mg/m3 | 2.54 | 38.8 | 38.1 | 95 | 70. - 130. | 6615 | 05-A107795 |
| Benzene | mg/m3 | 1.62 | 32.9 | 32.3 | 97 | 70. - 130. | 6615 | 05-A107795 |
| Xylene | mg/m3 | 5.18 | 116. | 132. | 84 | 70. - 130. | 6615 | 05-A107795 |
| Ethyl benzene | mg/m3 | 1.42 | 76.8 | 21.9 | 344# | 70. - 130. | 6615 | 05-A107795 |
| Methyl-t-butyl ether | mg/m3 | 2.44 | 39.8 | 36.4 | 103 | 70. - 130. | 6615 | 05-A107795 |
| TRPH Lo >C4-C10 | mg/m3 | 21.6 | 383. | 417. | 87 | 70. - 130. | 6615 | 05-A107795 |

Matrix Spike Duplicate

| Analyte | units | Orig. Val. | Duplicate | RPD | Limit | Q.C. Batch |
|---|---|---|---|---|---|---|

Laboratory Control Data

| Analyte | units | Known Val. | Analyzed Val | % Recovery | Target Range | Q.C. Batch |
|---|---|---|---|---|---|---|
| **MISC PARAMETERS** | | | | | | |
| Toluene | mg/m3 | 19.0 | 18.1 | 95 | 70 - 130 | 6615 |
| Benzene | mg/m3 | 16.1 | 14.9 | 93 | 70 - 130 | 6615 |
| Xylene | mg/m3 | 65.8 | 58.4 | 89 | 70 - 130 | 6615 |
| Ethyl benzene | mg/m3 | 21.9 | 19.6 | 89 | 70 - 130 | 6615 |
| Methyl-t-butyl ether | mg/m3 | 18.2 | 15.7 | 86 | 70 - 130 | 6615 |
| TRPH Lo >C4-C10 | mg/m3 | 209. | 181. | 87 | 70 - 130 | 6615 |

Project QC continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

**PROJECT QUALITY CONTROL DATA**
**Project Number: 2506-11X**
**Project Name: EXXONMOBIL 7-0104**
**Page: 2**
**Laboratory Receipt Date: 7/27/05**

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 |
|---|---|---|---|---|---|
| **MISC PARAMETERS** | | | | | |
| Toluene | < 0.508 | mg/m3 | 6615 | 7/27/05 | 17:05 |
| Benzene | < 0.508 | mg/m3 | 6615 | 7/27/05 | 17:05 |
| Xylene | < 1.52 | mg/m3 | 6615 | 7/27/05 | 17:05 |
| Ethyl benzene | < 0.508 | mg/m3 | 6615 | 7/27/05 | 17:05 |
| Methyl-t-butyl ether | < 0.508 | mg/m3 | 6615 | 7/27/05 | 17:05 |
| TRPH Lo >C4-C10 | < 10.2 | mg/m3 | 6615 | 7/27/05 | 17:05 |

# = Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 424185

TestAmerica
ANALYTICAL TESTING CORPORATION

**Nashville Division**

**COOLER RECEIPT FORM** **BC#** 424185

**Client Name : ERI**

**Cooler Received/Opened On: 7/27/05 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:**

    0771

    Fed-Ex UPS Velocity DHL Route Off-street Misc.
19. **If a Non-Conformance exists, see attached or comments below:**

BIS = Broken in shipment
Cooler Receipt Form

# CHAIN OF CUSTODY RECORD 424185

Page ____ of ____

**TestAmerica** INCORPORATED

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

ExxonMobil

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: 2506-11X
Sampler Name: (Print) Jon Herman
Sampler Signature:

ExxonMobil Engineer: Jennifer Sedlachek
Telephone Number: 510-547-8196
Account #: 10228
PO #: 4505890963
Facility ID #: 7-0104
Global ID#:
Site Address: 1725 Park Street
City, State Zip: Alameda, California

TAT
- ☐ 24 hour
- ☐ 72 hour
- ☐ 48 hour
- ☐ 96 hour
- ☑ 8 day

PROVIDE:
- EDF Report
- FAX Results

Special Instructions:
* Include MTBE

| Sample ID / Description | DATE | TIME | COMP | GRAB | PRESERV | NUMBER | Matrix: Water | Soil | Vapor | Analyze For: EPA 18* | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A-INF | 7/22/05 | 1430 | | X | NONE | 1-1L | | | X | X | | | 107282 | | | | | | | |
| A-INT | | 1415 | | X | NONE | 1-1L | | | X | X | | | 107283 | | | | | | | |
| A-EFF | | 1450 | | X | NONE | 1-1L | | | X | X | | | 107284 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

Relinquished by: J Herman Date 7/26/05 Time 900 Received by: Time

Relinquished by: Date Time Received by TestAmerica: 7/27/05 Time 250

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

August 13, 2005

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

Work Order: NOH0501
Project Name: Exxon 7-0104 PO:4505890963
Project Nbr: 2506-11X
Date Received: 08/09/05

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| A-INF | NOH0501-01 | 08/05/05 14:43 |
| A-INT1 | NOH0501-02 | 08/05/05 14:30 |
| A-INT2 | NOH0501-03 | 08/05/05 14:15 |
| A-EFF | NOH0501-04 | 08/05/05 14:00 |

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







Report Approved By:

John Mitchell For Leah Klingensmith
Project Management

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: NOH0501
Project Name: Exxon 7-0104 PO:4505890963
Project Number: 2506-11X
Received: 08/09/05 07:50

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NOH0501-01 (A-INF - Air) Sampled: 08/05/05 14:43** | | | | | | | | | |
| BTEX in Air by GC/PID | | | | | | | | | |
| **Methyl tert-Butyl Ether** | **0.704** | | mg/m3 | 0.500 | 1 | 08/10/05 20:18 | EPA 18 | Sys | 5080567 |
| **Benzene** | **0.855** | | mg/m3 | 0.500 | 1 | 08/10/05 20:18 | EPA 18 | Sys | 5080567 |
| **Toluene** | **0.791** | | mg/m3 | 0.500 | 1 | 08/10/05 20:18 | EPA 18 | Sys | 5080567 |
| Ethylbenzene | ND | | mg/m3 | 0.500 | 1 | 08/10/05 20:18 | EPA 18 | Sys | 5080567 |
| **Xylenes, total** | **1.01** | | mg/m3 | 1.00 | 1 | 08/10/05 20:18 | EPA 18 | Sys | 5080567 |
| **C4 - C10 Hydrocarbons** | **8.64** | | mg/m3 | 5.00 | 1 | 08/10/05 20:18 | EPA 18 | Sys | 5080567 |
| **Sample ID: NOH0501-02 (A-INT1 - Air) Sampled: 08/05/05 14:30** | | | | | | | | | |
| BTEX in Air by GC/PID | | | | | | | | | |
| Methyl tert-Butyl Ether | ND | | mg/m3 | 0.500 | 1 | 08/10/05 20:48 | EPA 18 | Sys | 5080567 |
| Benzene | ND | | mg/m3 | 0.500 | 1 | 08/10/05 20:48 | EPA 18 | Sys | 5080567 |
| Toluene | ND | | mg/m3 | 0.500 | 1 | 08/10/05 20:48 | EPA 18 | Sys | 5080567 |
| Ethylbenzene | ND | | mg/m3 | 0.500 | 1 | 08/10/05 20:48 | EPA 18 | Sys | 5080567 |
| Xylenes, total | ND | | mg/m3 | 1.00 | 1 | 08/10/05 20:48 | EPA 18 | Sys | 5080567 |
| C4 - C10 Hydrocarbons | ND | | mg/m3 | 5.00 | 1 | 08/10/05 20:48 | EPA 18 | Sys | 5080567 |
| **Sample ID: NOH0501-03 (A-INT2 - Air) Sampled: 08/05/05 14:15** | | | | | | | | | |
| BTEX in Air by GC/PID | | | | | | | | | |
| Methyl tert-Butyl Ether | ND | | mg/m3 | 0.500 | 1 | 08/10/05 21:17 | EPA 18 | Sys | 5080567 |
| Benzene | ND | | mg/m3 | 0.500 | 1 | 08/10/05 21:17 | EPA 18 | Sys | 5080567 |
| Toluene | ND | | mg/m3 | 0.500 | 1 | 08/10/05 21:17 | EPA 18 | Sys | 5080567 |
| Ethylbenzene | ND | | mg/m3 | 0.500 | 1 | 08/10/05 21:17 | EPA 18 | Sys | 5080567 |
| Xylenes, total | ND | | mg/m3 | 1.00 | 1 | 08/10/05 21:17 | EPA 18 | Sys | 5080567 |
| C4 - C10 Hydrocarbons | ND | | mg/m3 | 5.00 | 1 | 08/10/05 21:17 | EPA 18 | Sys | 5080567 |
| **Sample ID: NOH0501-04 (A-EFF - Air) Sampled: 08/05/05 14:00** | | | | | | | | | |
| BTEX in Air by GC/PID | | | | | | | | | |
| Methyl tert-Butyl Ether | ND | | mg/m3 | 0.500 | 1 | 08/10/05 21:46 | EPA 18 | Sys | 5080567 |
| Benzene | ND | | mg/m3 | 0.500 | 1 | 08/10/05 21:46 | EPA 18 | Sys | 5080567 |
| Toluene | ND | | mg/m3 | 0.500 | 1 | 08/10/05 21:46 | EPA 18 | Sys | 5080567 |
| Ethylbenzene | ND | | mg/m3 | 0.500 | 1 | 08/10/05 21:46 | EPA 18 | Sys | 5080567 |
| Xylenes, total | ND | | mg/m3 | 1.00 | 1 | 08/10/05 21:46 | EPA 18 | Sys | 5080567 |
| C4 - C10 Hydrocarbons | ND | | mg/m3 | 5.00 | 1 | 08/10/05 21:46 | EPA 18 | Sys | 5080567 |

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: NOH0501
Project Name: Exxon 7-0104 PO:4505890963
Project Number: 2506-11X
Received: 08/09/05 07:50

## PROJECT QUALITY CONTROL DATA
### Blank

| Analyte | Blank Value | Q | Units | Q.C. Batch | Lab Number | Analyzed Date/Time |
|---|---|---|---|---|---|---|
| **BTEX in Air by GC/PID** | | | | | | |
| **5080567-BLK1** | | | | | | |
| Methyl tert-Butyl Ether | <0.210 | | mg/m3 | 5080567 | 5080567-BLK1 | 08/10/05 07:42 |
| Benzene | <0.270 | | mg/m3 | 5080567 | 5080567-BLK1 | 08/10/05 07:42 |
| Toluene | <0.190 | | mg/m3 | 5080567 | 5080567-BLK1 | 08/10/05 07:42 |
| Ethylbenzene | <0.190 | | mg/m3 | 5080567 | 5080567-BLK1 | 08/10/05 07:42 |
| Xylenes, total | <0.500 | | mg/m3 | 5080567 | 5080567-BLK1 | 08/10/05 07:42 |
| C4 - C10 Hydrocarbons | <1.85 | | mg/m3 | 5080567 | 5080567-BLK1 | 08/10/05 07:42 |
| **5080567-BLK2** | | | | | | |
| Methyl tert-Butyl Ether | <0.210 | | mg/m3 | 5080567 | 5080567-BLK2 | 08/10/05 17:24 |
| Benzene | <0.270 | | mg/m3 | 5080567 | 5080567-BLK2 | 08/10/05 17:24 |
| Toluene | <0.190 | | mg/m3 | 5080567 | 5080567-BLK2 | 08/10/05 17:24 |
| Ethylbenzene | <0.190 | | mg/m3 | 5080567 | 5080567-BLK2 | 08/10/05 17:24 |
| Xylenes, total | <0.500 | | mg/m3 | 5080567 | 5080567-BLK2 | 08/10/05 17:24 |
| C4 - C10 Hydrocarbons | <1.85 | | mg/m3 | 5080567 | 5080567-BLK2 | 08/10/05 17:24 |

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: NOH0501
Project Name: Exxon 7-0104 PO:4505890963
Project Number: 2506-11X
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 |
|---|---|---|---|---|---|---|---|---|
| **BTEX in Air by GC/PID** | | | | | | | | |
| **5080567-BS1** | | | | | | | | |
| ethyl tert-Butyl Ether | 15.2 | 15.0 | | mg/m3 | 99% | 70 - 130 | 5080567 | 08/10/05 13:02 |
| nzene | 16.2 | 16.2 | | mg/m3 | 100% | 70 - 130 | 5080567 | 08/10/05 13:02 |
| Toluene | 19.0 | 18.9 | | mg/m3 | 99% | 70 - 130 | 5080567 | 08/10/05 13:02 |
| hylbenzene | 22.0 | 21.7 | | mg/m3 | 99% | 70 - 130 | 5080567 | 08/10/05 13:02 |
| ylenes, total | 65.8 | 64.8 | | mg/m3 | 98% | 70 - 130 | 5080567 | 08/10/05 13:02 |
| C4 - C10 Hydrocarbons | 208 | 206 | | mg/m3 | 99% | 70 - 130 | 5080567 | 08/10/05 13:02 |
| **080567-BS2** | | | | | | | | |
| ethyl tert-Butyl Ether | 15.2 | 15.2 | | mg/m3 | 100% | 70 - 130 | 5080567 | 08/10/05 22:44 |
| Benzene | 16.2 | 16.0 | | mg/m3 | 99% | 70 - 130 | 5080567 | 08/10/05 22:44 |
| oluene | 19.0 | 18.3 | | mg/m3 | 96% | 70 - 130 | 5080567 | 08/10/05 22:44 |
| hylbenzene | 22.0 | 20.6 | | mg/m3 | 94% | 70 - 130 | 5080567 | 08/10/05 22:44 |
| Xylenes, total | 65.8 | 60.6 | | mg/m3 | 92% | 70 - 130 | 5080567 | 08/10/05 22:44 |
| C4 - C10 Hydrocarbons | 208 | 197 | | mg/m3 | 95% | 70 - 130 | 5080567 | 08/10/05 22:44 |

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: NOH0501
Project Name: Exxon 7-0104 PO:4505890963
Project Number: 2506-11X
Received: 08/09/05 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** | | | | | | | | | | |
| **5080567-MS1** | | | | | | | | | | |
| Methyl tert-Butyl Ether | ND | 31.1 | | mg/m3 | 30.5 | 102% | 70 - 130 | 5080567 | NOH0450-02 | 08/10/05 12:33 |
| Benzene | ND | 28.3 | | mg/m3 | 32.3 | 88% | 70 - 130 | 5080567 | NOH0450-02 | 08/10/05 12:33 |
| Toluene | ND | 73.6 | M1 | mg/m3 | 38.1 | 193% | 70 - 130 | 5080567 | NOH0450-02 | 08/10/05 12:33 |
| Ethylbenzene | ND | 43.0 | | mg/m3 | 43.9 | 98% | 70 - 130 | 5080567 | NOH0450-02 | 08/10/05 12:33 |
| Xylenes, total | ND | 140 | | mg/m3 | 132 | 106% | 70 - 130 | 5080567 | NOH0450-02 | 08/10/05 12:33 |
| C4 - C10 Hydrocarbons | ND | 560 | M1 | mg/m3 | 417 | 134% | 70 - 130 | 5080567 | NOH0450-02 | 08/10/05 12:33 |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOH0501 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506-11X |
| Attn | Paula Sime | Received: | 08/09/05 07:50 |

## CERTIFICATION SUMMARY

**TestAmerica Analytical - Nashville**

| Method | Matrix | ACIL | AIHA | Nelac | California |
|---|---|---|---|---|---|
| EPA 18 | Air | | | | |

## DATA QUALIFIERS AND DEFINITIONS

**M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

TestAmerica
ANALYTICAL TESTING CORPORATION

**Nashville Division**

NOH0501

## COOLER RECEIPT FORM BC#

**Client Name : ERI**

**Cooler Received/Opened On: 8/9/05 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:

    0418

    (Fed-Ex) UPS Velocity DHL Route Off-street Misc.
19. If a Non-Conformance exists, see attached or comments below:

BIS = Broken in shipment
Cooler Receipt Form

LF-1
End of Form

Revised 4/5/05

# CHAIN OF CUSTODY RECORD

Page ____ of ____

**TestAmerica** INCORPORATED

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

NOH0501
08/18/05 17:00

ExxonMobil

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: 2506-11X
Sampler Name: (Print) J Herman
Sampler Signature: J Herman

ExxonMobil Engineer: Jennifer Sedlachek
Telephone Number: 510-547-8196
Account #: 10228
PO #: 4505890963
Facility ID #: 7-0104
Global ID#:
Site Address: 1725 Park Street
City, State Zip: Alameda, California

TAT
- [ ] 24 hour
- [ ] 72 hour
- [ ] 48 hour
- [ ] 96 hour
- [x] 8 day

PROVIDE:
EDF Report

Special Instructions:
* Include MTBE

| Sample ID / Description | DATE | TIME | COMP | GRAB | PRESERV | NUMBER | Matrix: Water | Soil | Vapor | Analyze For: EPA 18" | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A-INF | 8/5/05 | 1445 | | X | NONE | 1-1L | | | X | X | NOH0501-01 |
| A-INT1 | " | 1430 | | X | NONE | 1-1L | | | X | X | -02 |
| A-INT2 | " | 1415 | | X | NONE | 1-1L | | | X | X | -03 |
| A-EFF | " | 1400 | | X | NONE | 1-1L | | | X | X | -04 |

Relinquished by: J Herman Date 8/5/05 Time 900 Received by: Time

Relinquished by: Date Time Received by TestAmerica: Time

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

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

October 28, 2005

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

Work Order: NOI1133
Project Name: Exxon 7-0104 PO:4505890963
Project Nbr: 2506 11X
Date Received: 09/13/05

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| A-INF | NOI1133-01 | 09/09/05 11:45 |
| A-INT-1 | NOI1133-02 | 09/09/05 11:30 |
| A-INT-2 | NOI1133-03 | 09/09/05 11:15 |
| A-EFF | NOI1133-04 | 09/09/05 11:00 |

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





Report Approved By:

Gail Lage
Senior Project Manager

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1133 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 11X |
| Attn | Paula Sime | Received: | 09/13/05 08:00 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NOI1133-01 (A-INF - Air) Sampled: 09/09/05 11:45** | | | | | | | | | |
| BTEX in Air by GC/PID | | | | | | | | | |
| Methyl tert-Butyl Ether | ND | | mg/m3 | 0.500 | 1 | 09/15/05 10:54 | EPA 18 | Sys | 5092405 |
| Benzene | **0.520** | | mg/m3 | 0.500 | 1 | 09/15/05 10:54 | EPA 18 | Sys | 5092405 |
| Toluene | ND | | mg/m3 | 0.500 | 1 | 09/15/05 10:54 | EPA 18 | Sys | 5092405 |
| Ethylbenzene | ND | | mg/m3 | 0.500 | 1 | 09/15/05 10:54 | EPA 18 | Sys | 5092405 |
| Xylenes, total | **2.56** | | mg/m3 | 1.50 | 1 | 09/15/05 10:54 | EPA 18 | Sys | 5092405 |
| C4 - C10 Hydrocarbons | **14.4** | | mg/m3 | 5.00 | 1 | 09/15/05 10:54 | EPA 18 | Sys | 5092405 |
| **Sample ID: NOI1133-02 (A-INT-1 - Air) Sampled: 09/09/05 11:30** | | | | | | | | | |
| BTEX in Air by GC/PID | | | | | | | | | |
| Methyl tert-Butyl Ether | ND | | mg/m3 | 0.500 | 1 | 09/15/05 11:23 | EPA 18 | Sys | 5092405 |
| Benzene | ND | | mg/m3 | 0.500 | 1 | 09/15/05 11:23 | EPA 18 | Sys | 5092405 |
| Toluene | ND | | mg/m3 | 0.500 | 1 | 09/15/05 11:23 | EPA 18 | Sys | 5092405 |
| Ethylbenzene | ND | | mg/m3 | 0.500 | 1 | 09/15/05 11:23 | EPA 18 | Sys | 5092405 |
| Xylenes, total | ND | | mg/m3 | 1.50 | 1 | 09/15/05 11:23 | EPA 18 | Sys | 5092405 |
| C4 - C10 Hydrocarbons | ND | | mg/m3 | 5.00 | 1 | 09/15/05 11:23 | EPA 18 | Sys | 5092405 |
| **Sample ID: NOI1133-03 (A-INT-2 - Air) Sampled: 09/09/05 11:15** | | | | | | | | | |
| BTEX in Air by GC/PID | | | | | | | | | |
| Methyl tert-Butyl Ether | ND | | mg/m3 | 0.500 | 1 | 09/15/05 11:52 | EPA 18 | Sys | 5092405 |
| Benzene | ND | | mg/m3 | 0.500 | 1 | 09/15/05 11:52 | EPA 18 | Sys | 5092405 |
| Toluene | ND | | mg/m3 | 0.500 | 1 | 09/15/05 11:52 | EPA 18 | Sys | 5092405 |
| Ethylbenzene | ND | | mg/m3 | 0.500 | 1 | 09/15/05 11:52 | EPA 18 | Sys | 5092405 |
| Xylenes, total | ND | | mg/m3 | 1.50 | 1 | 09/15/05 11:52 | EPA 18 | Sys | 5092405 |
| C4 - C10 Hydrocarbons | ND | | mg/m3 | 5.00 | 1 | 09/15/05 11:52 | EPA 18 | Sys | 5092405 |
| **Sample ID: NOI1133-04 (A-EFF - Air) Sampled: 09/09/05 11:00** | | | | | | | | | |
| BTEX in Air by GC/PID | | | | | | | | | |
| Methyl tert-Butyl Ether | ND | | mg/m3 | 0.500 | 1 | 09/15/05 12:22 | EPA 18 | Sys | 5092405 |
| Benzene | ND | | mg/m3 | 0.500 | 1 | 09/15/05 12:22 | EPA 18 | Sys | 5092405 |
| Toluene | ND | | mg/m3 | 0.500 | 1 | 09/15/05 12:22 | EPA 18 | Sys | 5092405 |
| Ethylbenzene | ND | | mg/m3 | 0.500 | 1 | 09/15/05 12:22 | EPA 18 | Sys | 5092405 |
| Xylenes, total | ND | | mg/m3 | 1.50 | 1 | 09/15/05 12:22 | EPA 18 | Sys | 5092405 |
| C4 - C10 Hydrocarbons | ND | | mg/m3 | 5.00 | 1 | 09/15/05 12:22 | EPA 18 | Sys | 5092405 |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1133 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 11X |
| Attn | Paula Sime | Received: | 09/13/05 08:00 |

## PROJECT QUALITY CONTROL DATA
### Blank

| Analyte | Blank Value | Q | Units | Q.C. Batch | Lab Number | Analyzed Date/Time |
|---|---|---|---|---|---|---|
| **BTEX in Air by GC/PID** | | | | | | |
| **5092405-BLK1** | | | | | | |
| Methyl tert-Butyl Ether | <0.210 | | mg/m3 | 5092405 | 5092405-BLK1 | 09/15/05 14:19 |
| Benzene | <0.270 | | mg/m3 | 5092405 | 5092405-BLK1 | 09/15/05 14:19 |
| Toluene | <0.190 | | mg/m3 | 5092405 | 5092405-BLK1 | 09/15/05 14:19 |
| Ethylbenzene | <0.190 | | mg/m3 | 5092405 | 5092405-BLK1 | 09/15/05 14:19 |
| Xylenes, total | <0.500 | | mg/m3 | 5092405 | 5092405-BLK1 | 09/15/05 14:19 |
| C4 - C10 Hydrocarbons | <1.85 | | mg/m3 | 5092405 | 5092405-BLK1 | 09/15/05 14:19 |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1133 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 11X |
| Attn | Paula Sime | Received: | 09/13/05 08:00 |

## PROJECT QUALITY CONTROL DATA
## LCS

| Analyte | Known Val. | Analyzed Val | Q | Units | % Rec. | Target Range | Batch | Analyzed Date/Time |
|---|---|---|---|---|---|---|---|---|
| **BTEX in Air by GC/PID** | | | | | | | | |
| **5092405-BS1** | | | | | | | | |
| Methyl tert-Butyl Ether | 15.2 | 14.2 | | mg/m3 | 93% | 70 - 130 | 5092405 | 09/16/05 07:42 |
| Benzene | 16.2 | 15.3 | | mg/m3 | 94% | 70 - 130 | 5092405 | 09/16/05 07:42 |
| Toluene | 19.0 | 18.9 | | mg/m3 | 99% | 70 - 130 | 5092405 | 09/16/05 07:42 |
| Ethylbenzene | 22.0 | 22.6 | | mg/m3 | 103% | 70 - 130 | 5092405 | 09/16/05 07:42 |
| Xylenes, total | 65.8 | 68.1 | | mg/m3 | 103% | 70 - 130 | 5092405 | 09/16/05 07:42 |
| C4 - C10 Hydrocarbons | 208 | 212 | | mg/m3 | 102% | 70 - 130 | 5092405 | 09/16/05 07:42 |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1133 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 11X |
| Attn | Paula Sime | Received: | 09/13/05 08:00 |

## PROJECT QUALITY CONTROL DATA
### Matrix Spike

| Analyte | Orig. Val. | MS Val | Q | Units | Spike Conc | % Rec. | Target Range | Batch | Sample Spiked | Analyzed Date/Time |
|---|---|---|---|---|---|---|---|---|---|---|
| **BTEX in Air by GC/PID** | | | | | | | | | | |
| **5092405-MS1** | | | | | | | | | | |
| Methyl tert-Butyl Ether | ND | 28.6 | | mg/m3 | 30.5 | 94% | 70 - 130 | 5092405 | NOI1254-01 | 09/15/05 19:15 |
| Benzene | ND | 25.5 | | mg/m3 | 32.3 | 79% | 70 - 130 | 5092405 | NOI1254-01 | 09/15/05 19:15 |
| Toluene | ND | 28.8 | | mg/m3 | 38.1 | 76% | 70 - 130 | 5092405 | NOI1254-01 | 09/15/05 19:15 |
| Ethylbenzene | ND | 34.6 | | mg/m3 | 43.9 | 79% | 70 - 130 | 5092405 | NOI1254-01 | 09/15/05 19:15 |
| Xylenes, total | ND | 102 | | mg/m3 | 132 | 77% | 70 - 130 | 5092405 | NOI1254-01 | 09/15/05 19:15 |
| C4 - C10 Hydrocarbons | ND | 348 | | mg/m3 | 417 | 83% | 70 - 130 | 5092405 | NOI1254-01 | 09/15/05 19:15 |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1133 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 11X |
| Attn | Paula Sime | Received: | 09/13/05 08:00 |

## CERTIFICATION SUMMARY

**TestAmerica Analytical - Nashville**

| Method | Matrix | AIHA | Nelac | California |
|---|---|---|---|---|
| EPA 18 | Air | | | |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOI1133 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 11X |
| Attn | Paula Sime | Received: | 09/13/05 08:00 |

## NELAC CERTIFICATION SUMMARY

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

| Method | Matrix | Analyte |
|---|---|---|
| EPA 18 | Air | Benzene |
| | | C4 - C10 Hydrocarbons |
| | | Ethylbenzene |
| | | Methyl tert-Butyl Ether |
| | | Toluene |
| | | Xylenes, total |

TestAmerica
ANALYTICAL TESTING CORPORATION
**Nashville Division**

NOI1133

## COOLER RECEIPT FORM BC#

Client Name : GRS

Cooler Received/Opened On: 09/13/05 Accessioned By: Benjamin C.Wright

Log-in Personnel Signature

1. Temperature of Cooler when triaged: NA 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 Other (None) zip-lock baggies Foam insert
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:
    9355
    (Fed-Ex) UPS Velocity DHL Route Off-street Misc.
19. If a Non-Conformance exists, see attached or comments below:

# CHAIN OF CUSTODY RECORD

Page ___ of ___

**TestAmerica** INCORPORATED

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

NOI1133
09/22/05 17:00

**ExxonMobil**

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: 2506-11X
Sampler Name: (Print) Jon Herman
Sampler Signature: Jon Herman

ExxonMobil Engineer Jennifer Sedlachek
Telephone Number 510-547-8196
Account #: 10228
PO #: 4505890963
Facility ID # 7-0104
Global ID#
Site Address 1725 Park Street
City, State Zip Alameda, California

TAT
- [ ] 24 hour
- [ ] 72 hour
- [ ] 48 hour
- [ ] 96 hour
- [x] 8 day

PROVIDE:
EDF Report

Special Instructions:
* Include MTBE

| Sample ID / Description | DATE | TIME | COMP | GRAB | PRESERV | NUMBER | Matrix: Water | Soil | Vapor | Analyze For: EPA 18* | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A-INF | 9/9/05 | 1145 | | X | NONE | 1-1L | | | X | X | 01 |
| A-INT1 | " | 1130 | | X | NONE | 1-1L | | | X | X | 02 |
| A-INT2 | " | 1115 | | X | NONE | 1-1L | | | X | X | 03 |
| A-EFF | " | 1100 | | X | NONE | 1-1L | | | X | X | 04 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Relinquished by: J Herman Date 9/11/05 Time 900

Received by: Time

Relinquished by: Date Time

Received by TestAmerica: 9/13/05 Time 800

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

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

8/ 3/05



**ERI - NORTHERN CA 10228**
**Paula Sime**
**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 7-0104
Project Number: 2506 11X.
Laboratory Project Number: 424248.

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 | Collection Date |
|---|---|---|
| W-INF | 05-A108084 | 7/22/05 |
| W-INT 1 | 05-A108085 | 7/22/05 |
| W-INT 2 | 05-A108086 | 7/22/05 |
| W-PSP-1 | 05-A108087 | 7/22/05 |

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax



| 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



Laboratory Certification Number: 01168CA

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax



# ANALYTICAL REPORT

ERI - NORTHERN CA 10228
Paula Sime
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A108084
Sample ID: W-INF
Sample Type: Water
Site ID: 7-0104

Project: 2506 11X
Project Name: EXXONMOBIL 7-0104
Sampler: JON HERMAN

Date Collected: 7/22/05
Time Collected: 14:30
Date Received: 7/27/05
Time Received: 7:50

| Analyte | Result | Units | Report Limit | Dil Factor | Analysis Date | Analysis Time | Analyst | Method | Batch |
|---|---|---|---|---|---|---|---|---|---|
| *ORGANIC PARAMETERS* | | | | | | | | | |
| **Benzene | 8.80 | ug/l | 0.50 | 1.0 | 7/31/05 | 22:11 | F.Gundi | 8021B | 1318 |
| **Ethylbenzene | 0.7 | ug/l | 0.5 | 1.0 | 7/31/05 | 22:11 | F.Gundi | 8021B | 1318 |
| **Toluene | 2.3 | ug/l | 0.5 | 1.0 | 7/31/05 | 22:11 | F.Gundi | 8021B | 1318 |
| **Xylenes (Total) | 30.9 | ug/l | 0.5 | 1.0 | 7/31/05 | 22:11 | F.Gundi | 8021B | 1318 |
| **Methyl-t-butylether | 707. | ug/l | 5.0 | 10.0 | 8/ 1/05 | 12:56 | F.Gundi | 8021B | 1322 |
| **TPH (Gasoline Range) | 844. | ug/l | 50.0 | 1.0 | 7/31/05 | 22:11 | 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

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

# ANALYTICAL REPORT

ERI - NORTHERN CA 10228
Paula Sime
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2506 11X
Project Name: EXXONMOBIL 7-0104
Sampler: JON HERMAN

Lab Number: 05-A108085
Sample ID: W-INT 1
Sample Type: Water
Site ID: 7-0104

Date Collected: 7/22/05
Time Collected: 14:00
Date Received: 7/27/05
Time Received: 7:50

| Analyte | Result | Units | Report Limit | Dil Factor | Analysis Date | Analysis Time | Analyst | Method | Batch |
|---|---|---|---|---|---|---|---|---|---|
| *ORGANIC PARAMETERS* | | | | | | | | | |
| **Benzene | ND | ug/l | 0.50 | 1.0 | 7/31/05 | 22:38 | F.Gundi | 8021B | 1318 |
| **Ethylbenzene | ND | ug/l | 0.5 | 1.0 | 7/31/05 | 22:38 | F.Gundi | 8021B | 1318 |
| **Toluene | ND | ug/l | 0.5 | 1.0 | 7/31/05 | 22:38 | F.Gundi | 8021B | 1318 |
| **Xylenes (Total) | ND | ug/l | 0.5 | 1.0 | 7/31/05 | 22:38 | F.Gundi | 8021B | 1318 |
| **Methyl-t-butylether | 151. | ug/l | 0.5 | 1.0 | 7/31/05 | 22:38 | F.Gundi | 8021B | 1318 |
| **TPH (Gasoline Range) | 151. | ug/l | 50.0 | 1.0 | 7/31/05 | 22:38 | 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

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

# ANALYTICAL REPORT

ERI - NORTHERN CA 10228
Paula Sime
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A108086
Sample ID: W-INT 2
Sample Type: Water
Site ID: 7-0104

Project: 2506 11X
Project Name: EXXONMOBIL 7-0104
Sampler: JON HERMAN

Date Collected: 7/22/05
Time Collected: 13:30
Date Received: 7/27/05
Time Received: 7:50

| Analyte | Result | Units | Report Limit | Dil Factor | Analysis Date | Analysis Time | Analyst | Method | Batch |
|---|---|---|---|---|---|---|---|---|---|
| *ORGANIC PARAMETERS* | | | | | | | | | |
| **Benzene | ND | ug/l | 0.50 | 1.0 | 7/31/05 | 23:05 | F.Gundi | 8021B | 1318 |
| **Ethylbenzene | ND | ug/l | 0.5 | 1.0 | 7/31/05 | 23:05 | F.Gundi | 8021B | 1318 |
| **Toluene | ND | ug/l | 0.5 | 1.0 | 7/31/05 | 23:05 | F.Gundi | 8021B | 1318 |
| **Xylenes (Total) | ND | ug/l | 0.5 | 1.0 | 7/31/05 | 23:05 | F.Gundi | 8021B | 1318 |
| **Methyl-t-butylether | 1.9 | ug/l | 0.5 | 1.0 | 7/31/05 | 23:05 | F.Gundi | 8021B | 1318 |
| **TPH (Gasoline Range) | ND | ug/l | 50.0 | 1.0 | 7/31/05 | 23:05 | 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

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

# ANALYTICAL REPORT

ERI - NORTHERN CA 10228
Paula Sime
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A108087
Sample ID: W-PSP-1
Sample Type: Water
Site ID: 7-0104

Project: 2506 11X
Project Name: EXXONMOBIL 7-0104
Sampler: JON HERMAN

Date Collected: 7/22/05
Time Collected: 13:00
Date Received: 7/27/05
Time Received: 7:50

| Analyte | Result | Units | Report Limit | Dil Factor | Analysis Date | Analysis Time | Analyst | Method | Batch |
|---|---|---|---|---|---|---|---|---|---|
| *ORGANIC PARAMETERS* | | | | | | | | | |
| **Benzene | ND | ug/l | 0.50 | 1.0 | 7/31/05 | 23:31 | F.Gundi | 8021B | 1318 |
| **Ethylbenzene | ND | ug/l | 0.5 | 1.0 | 7/31/05 | 23:31 | F.Gundi | 8021B | 1318 |
| **Toluene | ND | ug/l | 0.5 | 1.0 | 7/31/05 | 23:31 | F.Gundi | 8021B | 1318 |
| **Xylenes (Total) | ND | ug/l | 0.5 | 1.0 | 7/31/05 | 23:31 | F.Gundi | 8021B | 1318 |
| **Methyl-t-butylether | ND | ug/l | 0.5 | 1.0 | 7/31/05 | 23:31 | F.Gundi | 8021B | 1318 |
| **TPH (Gasoline Range) | ND | ug/l | 50.0 | 1.0 | 7/31/05 | 23:31 | 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

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

**PROJECT QUALITY CONTROL DATA**
**Project Number: 2506 11X**
**Project Name: EXXONMOBIL 7-0104**
**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 |

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

# PROJECT QUALITY CONTROL DATA
**Project Number: 2506 11X**
**Project Name: EXXONMOBIL 7-0104**
**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 |
| Methyl-t-butylether | mg/l | 0.100 | 0.122 | 122 | 57 - 127 | 1322 |
| 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 |
| BTEX/GRO Surr., a,a,a-TFT | % Recovery | | | 97 | 63 - 134 | 1322 |

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 |
| Methyl-t-butylether | < 0.0005 | mg/l | 1322 | 8/ 1/05 | 12:29 |
| 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 |
| BTEX/GRO Surr., a,a,a-TFT | 99. | % Recovery | 1322 | 8/ 1/05 | 12:29 |

# = Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 424248

TestAmerica
ANALYTICAL TESTING CORPORATION

**Nashville Division**


## COOLER RECEIPT FORM

BC#

**Client Name : ERI**

**Cooler Received/Opened On: 7/27/05 Accessioned By: James D. Jacobs**

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 2.5 **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:

    0760

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

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

BIS = Broken in shipment
Cooler Receipt Form

# CHAIN OF CUSTODY RECORD

Page ____ of ____

TestAmerica INCORPORATED

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

**424248**

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 610 North McDowell
City/State/Zip: Petaluma, CA 94954
Project Manager: Paula Sime
elephone Number: 707-766-2000
ERI Job Number: 2506 11X
Sampler Name: (Print) Jon Bierman
Sampler Signature: Jon Bierman

ExxonMobil Engineer: Jennifer Sedlachek
Telephone Number: 510-547-8196
Account #: 10298
PO #: 4505890963
Facility ID # 7-0104
Global ID#:
Site Address: 1725 Park Street
City, State Zip: Alameda, California

**TAT**
- ☐ 24 hour
- ☐ 72 hour
- ☐ 48 hour
- ☐ 96 hour
- ☑ 8 day

**PROVIDE:**
- EDF Report
- FAX Results

**Special Instructions:**

| Sample ID / Description | DATE | TIME | COMP | GRAB | PRESERV | NUMBER | Matrix: Water | Soil | Vapor | Analyze For: TPHg 8015B | BTEX | MTBE 8020 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-INF | 7/22 | 1430 | | X | HCl | 4 voa | X | | | X | X | X | | | 108084 | | | | | | |
| W-INT 1 | | 1400 | | X | HCl | 4 voa | X | | | X | X | X | | | 108085 | | | | | | |
| W-INT 2 | | 1330 | | X | HCl | 4 voa | X | | | X | X | X | | | 108086 | | | | | | |
| W-PSP-1 | | 1300 | | X | HCl | 4 voa | X | | | X | X | X | | | 108087 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

Relinquished by: J Bierman Date 7/24/05 Time 900 Received by: Time

Relinquished by: Date Time Received by TestAmerica: 7/27/05 Time 250

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

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

August 31, 2005

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

Work Order: NOH0590
Project Name: Exxon 7-0104 PO:4505890963
Project Nbr: 2506 11X
Date Received: 08/03/05

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| W-Inf | NOH0590-01 | 08/03/05 15:30 |
| W-Int 1 | NOH0590-02 | 08/03/05 15:00 |
| W-Int 2 | NOH0590-03 | 08/03/05 14:30 |
| W-PSP-1 | NOH0590-04 | 08/03/05 14:00 |

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





Report Approved By:

Roxanne L. Connor

Roxanne Connor
Senior Project Manager

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOH0590 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 11X |
| Attn | Paula Sime | Received: | 08/03/05 15:30 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NOH0590-01 (W-Inf - Water) Sampled: 08/03/05 15:30** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | **6.01** | | ug/L | 0.500 | 1 | 08/16/05 23:32 | SW846 8021B | jlf | 5081609 |
| Ethylbenzene | **0.569** | | ug/L | 0.500 | 1 | 08/16/05 23:32 | SW846 8021B | jlf | 5081609 |
| Methyl tert-Butyl Ether | **647** | | ug/L | 5.00 | 10 | 08/17/05 18:42 | SW846 8021B | fg | 5081772 |
| Toluene | ND | | ug/L | 0.500 | 1 | 08/16/05 23:32 | SW846 8021B | jlf | 5081609 |
| Xylenes, total | **9.69** | | ug/L | 0.500 | 1 | 08/16/05 23:32 | SW846 8021B | jlf | 5081609 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *111 %* | | | | | *08/16/05 23:32* | *SW846 8021B* | *jlf* | *5081609* |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *106 %* | | | | | *08/17/05 18:42* | *SW846 8021B* | *fg* | *5081772* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | **713** | | ug/L | 50.0 | 1 | 08/11/05 21:48 | SW846 8015B | gg | 5080841 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *75 %* | | | | | *08/11/05 21:48* | *SW846 8015B* | *gg* | *5080841* |
| **Sample ID: NOH0590-02 (W-Int 1 - Water) Sampled: 08/03/05 15:00** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | ND | | ug/L | 0.500 | 1 | 08/16/05 23:58 | SW846 8021B | jlf | 5081609 |
| Ethylbenzene | ND | | ug/L | 0.500 | 1 | 08/16/05 23:58 | SW846 8021B | jlf | 5081609 |
| Methyl tert-Butyl Ether | **0.698** | | ug/L | 0.500 | 1 | 08/16/05 23:58 | SW846 8021B | jlf | 5081609 |
| Toluene | ND | | ug/L | 0.500 | 1 | 08/16/05 23:58 | SW846 8021B | jlf | 5081609 |
| Xylenes, total | ND | | ug/L | 0.500 | 1 | 08/16/05 23:58 | SW846 8021B | jlf | 5081609 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *116 %* | | | | | *08/16/05 23:58* | *SW846 8021B* | *jlf* | *5081609* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | ND | | ug/L | 50.0 | 1 | 08/11/05 22:03 | SW846 8015B | gg | 5080841 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *87 %* | | | | | *08/11/05 22:03* | *SW846 8015B* | *gg* | *5080841* |
| **Sample ID: NOH0590-03 (W-Int 2 - Water) Sampled: 08/03/05 14:30** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | ND | | ug/L | 0.500 | 1 | 08/17/05 00:25 | SW846 8021B | jlf | 5081609 |
| Ethylbenzene | ND | | ug/L | 0.500 | 1 | 08/17/05 00:25 | SW846 8021B | jlf | 5081609 |
| Methyl tert-Butyl Ether | ND | | ug/L | 0.500 | 1 | 08/17/05 00:25 | SW846 8021B | jlf | 5081609 |
| Toluene | ND | | ug/L | 0.500 | 1 | 08/17/05 00:25 | SW846 8021B | jlf | 5081609 |
| Xylenes, total | ND | | ug/L | 0.500 | 1 | 08/17/05 00:25 | SW846 8021B | jlf | 5081609 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *112 %* | | | | | *08/17/05 00:25* | *SW846 8021B* | *jlf* | *5081609* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | ND | | ug/L | 50.0 | 1 | 08/11/05 22:17 | SW846 8015B | gg | 5080841 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *75 %* | | | | | *08/11/05 22:17* | *SW846 8015B* | *gg* | *5080841* |
| **Sample ID: NOH0590-04 (W-PSP-1 - Water) Sampled: 08/03/05 14:00** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | ND | | ug/L | 0.500 | 1 | 08/17/05 00:51 | SW846 8021B | jlf | 5081609 |
| Ethylbenzene | ND | | ug/L | 0.500 | 1 | 08/17/05 00:51 | SW846 8021B | jlf | 5081609 |
| Methyl tert-Butyl Ether | ND | | ug/L | 0.500 | 1 | 08/17/05 00:51 | SW846 8021B | jlf | 5081609 |
| Toluene | ND | | ug/L | 0.500 | 1 | 08/17/05 00:51 | SW846 8021B | jlf | 5081609 |
| Xylenes, total | ND | | ug/L | 0.500 | 1 | 08/17/05 00:51 | SW846 8021B | jlf | 5081609 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *113 %* | | | | | *08/17/05 00:51* | *SW846 8021B* | *jlf* | *5081609* |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOH0590 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 11X |
| Attn | Paula Sime | Received: | 08/03/05 15:30 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NOH0590-04 (W-PSP-1 - Water) - cont. Sampled: 08/03/05 14:00** | | | | | | | | | |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | ND | | ug/L | 50.0 | 1 | 08/11/05 22:32 | SW846 8015B | gg | 5080841 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *87 %* | | | | | *08/11/05 22:32* | *SW846 8015B* | *gg* | *5080841* |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOH0590 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 11X |
| Attn | Paula Sime | Received: | 08/03/05 15:30 |

## 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** | | | | | | |
| **5081609-BLK1** | | | | | | |
| Benzene | <0.190 | | ug/L | 5081609 | 5081609-BLK1 | 08/16/05 18:40 |
| Ethylbenzene | <0.200 | | ug/L | 5081609 | 5081609-BLK1 | 08/16/05 18:40 |
| Methyl tert-Butyl Ether | <0.200 | | ug/L | 5081609 | 5081609-BLK1 | 08/16/05 18:40 |
| Toluene | <0.200 | | ug/L | 5081609 | 5081609-BLK1 | 08/16/05 18:40 |
| Xylenes, total | <0.500 | | ug/L | 5081609 | 5081609-BLK1 | 08/16/05 18:40 |
| *Surrogate: a,a,a-Trifluorotoluene* | 113% | | | 5081609 | 5081609-BLK1 | 08/16/05 18:40 |
| **5081772-BLK1** | | | | | | |
| Benzene | <0.190 | | ug/L | 5081772 | 5081772-BLK1 | 08/17/05 15:04 |
| Ethylbenzene | <0.200 | | ug/L | 5081772 | 5081772-BLK1 | 08/17/05 15:04 |
| Methyl tert-Butyl Ether | <0.200 | | ug/L | 5081772 | 5081772-BLK1 | 08/17/05 15:04 |
| Toluene | <0.200 | | ug/L | 5081772 | 5081772-BLK1 | 08/17/05 15:04 |
| Xylenes, total | <0.500 | | ug/L | 5081772 | 5081772-BLK1 | 08/17/05 15:04 |
| *Surrogate: a,a,a-Trifluorotoluene* | 108% | | | 5081772 | 5081772-BLK1 | 08/17/05 15:04 |
| **Purgeable Petroleum Hydrocarbons** | | | | | | |
| **5080841-BLK1** | | | | | | |
| GRO as Gasoline | <33.0 | | ug/L | 5080841 | 5080841-BLK1 | 08/11/05 13:37 |
| *Surrogate: a,a,a-Trifluorotoluene* | 73% | | | 5080841 | 5080841-BLK1 | 08/11/05 13:37 |
| **5080841-BLK2** | | | | | | |
| GRO as Gasoline | <33.0 | | ug/L | 5080841 | 5080841-BLK2 | 08/11/05 13:52 |
| *Surrogate: a,a,a-Trifluorotoluene* | 86% | | | 5080841 | 5080841-BLK2 | 08/11/05 13:52 |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOH0590 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 11X |
| Attn | Paula Sime | Received: | 08/03/05 15:30 |

## 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** | | | | | | | | |
| **5081609-BS2** | | | | | | | | |
| Benzene | 100 | 91.1 | | ug/L | 91% | 72 - 118 | 5081609 | 08/17/05 03:30 |
| Ethylbenzene | 100 | 96.2 | | ug/L | 96% | 71 - 119 | 5081609 | 08/17/05 03:30 |
| Methyl tert-Butyl Ether | 100 | 79.6 | | ug/L | 80% | 57 - 127 | 5081609 | 08/17/05 03:30 |
| Toluene | 100 | 92.7 | | ug/L | 93% | 72 - 119 | 5081609 | 08/17/05 03:30 |
| Xylenes, total | 200 | 188 | | ug/L | 94% | 70 - 117 | 5081609 | 08/17/05 03:30 |
| *Surrogate: a,a,a-Trifluorotoluene* | 30.0 | 33.2 | | | 111% | 63 - 134 | 5081609 | 08/17/05 03:30 |
| **5081772-BS1** | | | | | | | | |
| Benzene | 100 | 91.4 | | ug/L | 91% | 72 - 118 | 5081772 | 08/18/05 02:11 |
| Ethylbenzene | 100 | 88.2 | | ug/L | 88% | 71 - 119 | 5081772 | 08/18/05 02:11 |
| Methyl tert-Butyl Ether | 100 | 76.4 | | ug/L | 76% | 57 - 127 | 5081772 | 08/18/05 02:11 |
| Toluene | 100 | 88.2 | | ug/L | 88% | 72 - 119 | 5081772 | 08/18/05 02:11 |
| Xylenes, total | 200 | 171 | | ug/L | 86% | 70 - 117 | 5081772 | 08/18/05 02:11 |
| *Surrogate: a,a,a-Trifluorotoluene* | 30.0 | 33.6 | | | 112% | 63 - 134 | 5081772 | 08/18/05 02:11 |
| **Purgeable Petroleum Hydrocarbons** | | | | | | | | |
| **5080841-BS1** | | | | | | | | |
| GRO as Gasoline | 1000 | 871 | | ug/L | 87% | 64 - 130 | 5080841 | 08/11/05 16:00 |
| *Surrogate: a,a,a-Trifluorotoluene* | 30.0 | 23.3 | | | 78% | 63 - 134 | 5080841 | 08/11/05 16:00 |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOH0590 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 11X |
| Attn | Paula Sime | Received: | 08/03/05 15:30 |

## PROJECT QUALITY CONTROL DATA

### LCS Dup

| Analyte | Orig. Val. | Duplicate | Q | Units | Spike Conc | % Rec. | Target Range | RPD | Limit | Batch | Sample Duplicated | Analyzed Date/Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons** | | | | | | | | | | | | |
| **5080841-BSD1** | | | | | | | | | | | | |
| GRO as Gasoline | | 908 | | ug/L | 1000 | 91% | 64 - 130 | 4 | 27 | 5080841 | | 08/11/05 16:15 |
| *Surrogate: a,a,a-Trifluorotoluene* | | 25.0 | | ug/L | 30.0 | 83% | 63 - 134 | | | 5080841 | | 08/11/05 16:15 |

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

| | | | |
|---|---|---|---|
| Client | ERI Petaluma (10228) | Work Order: | NOH0590 |
| | 601 North McDowell Blvd. | Project Name: | Exxon 7-0104 PO:4505890963 |
| | Petaluma, CA 94954 | Project Number: | 2506 11X |
| Attn | Paula Sime | Received: | 08/03/05 15:30 |

## CERTIFICATION SUMMARY

**TestAmerica Analytical - Nashville**

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

TestAmerica
ANALYTICAL TESTING CORPORATION

**Nashville Division**

**COOLER RECEIPT FORM** **BC#** NOH0590

**Client Name :** ERI

**Cooler Received/Opened On:** 8/9/05 **Accessioned By:** Paul R. Buckingham II

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 2.5 **Degrees Celsius**
2. Were custody seals on outside of cooler?..... YES...(NO)...NA
   a. If yes, how many and where: N/A
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:
    0370
    (Fed-Ex) UPS Velocity DHL Route Off-street Misc.
19. If a Non-Conformance exists, see attached or comments below:

BIS = Broken in shipment
Cooler Receipt Form

LF-1
End of Form

Revised 4/5/05

# CHAIN OF CUSTODY RECORD

Page ___ of ___

TestAmerica INCORPORATED

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

NOH0590
08/12/05 17:00

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 610 North McDowell
City/State/Zip: Petaluma, CA 94954
Project Manager: Paula Sime
Telephone Number: 707-766-2000
ERI Job Number: 2506 11X
Sampler Name: (Print) J Herman
Sampler Signature: J Herman

ExxonMobil Engineer: Jennifer Sedlachek
Telephone Number: 510-547-8196
Account #: 10228
PO #: 4505890963
Facility ID #: 7-0104
Global ID#:
Site Address: 1725 Park Street
City, State Zip: Alameda, California

TAT
- [ ] 24 hour
- [ ] 72 hour
- [ ] 48 hour
- [ ] 96 hour
- [x] 8 day

PROVIDE: EDF Report

Special Instructions:

| Sample ID / Description | DATE | TIME | COMP | GRAB | PRESERV | NUMBER | Matrix: Water | Soil | Vapor | Analyze For: TPHg 8015B | BTEX | MTBE 8020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NOH0590-01 W-INF | 8/5/05 | 1530 | | X | HCl | 4 voa | X | | | X | X | X |
| -02 W-INT 1 | " | 1500 | | X | HCl | 4 voa | X | | | X | X | X |
| -03 W-INT 2 | " | 1430 | | X | HCl | 4 voa | X | | | X | X | X |
| -04 W-PSP-1 | " | 1400 | | X | HCl | 4 voa | X | | | X | X | X |

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

Relinquished by: Date Time Received by TestAmerica: 8/9/05 Time 7:50

Laboratory Comments:
Temperature Upon Receipt: 2.5
Sample Containers Intact?
VOAs Free of Headspace?

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

September 24, 2005



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

Work Order: NOI1223
Project Name: Exxon 7-0104 PO:4505890963
Project Nbr: 2506 11X
Date Received: 09/13/05

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| W-INF | NOI1223-01 | 09/09/05 13:30 |
| W-INT 1 | NOI1223-02 | 09/09/05 13:00 |
| W-INT 2 | NOI1223-03 | 09/09/05 12:30 |
| W-PSP-1 | NOI1223-04 | 09/09/05 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 accredidation.





Report Approved By:

Gail Lage

Senior Project Manager

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: NOI1223
Project Name: Exxon 7-0104 PO:4505890963
Project Number: 2506 11X
Received: 09/13/05 08:00

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NOI1223-01 (W-INF - Ground Water) Sampled: 09/09/05 13:30** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | **0.96** | | ug/L | 0.50 | 1 | 09/17/05 19:04 | SW846 8021B | do | 5092678 |
| Ethylbenzene | ND | | ug/L | 0.50 | 1 | 09/17/05 19:04 | SW846 8021B | do | 5092678 |
| Methyl tert-Butyl Ether | **664** | | ug/L | 5.00 | 10 | 09/21/05 13:02 | SW846 8021B | do | 5093254 |
| Toluene | ND | | ug/L | 0.50 | 1 | 09/17/05 19:04 | SW846 8021B | do | 5092678 |
| Xylenes, total | ND | | ug/L | 0.50 | 1 | 09/17/05 19:04 | SW846 8021B | do | 5092678 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *91 %* | | | | | *09/17/05 19:04* | *SW846 8021B* | *do* | *5092678* |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *99 %* | | | | | *09/21/05 13:02* | *SW846 8021B* | *do* | *5093254* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | **681** | | ug/L | 50.0 | 1 | 09/17/05 19:04 | SW846 8015B | do | 5092678 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *91 %* | | | | | *09/17/05 19:04* | *SW846 8015B* | *do* | *5092678* |
| **Sample ID: NOI1223-02 (W-INT 1 - Ground Water) Sampled: 09/09/05 13:00** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | ND | | ug/L | 0.50 | 1 | 09/17/05 19:33 | SW846 8021B | do | 5092678 |
| Ethylbenzene | ND | | ug/L | 0.50 | 1 | 09/17/05 19:33 | SW846 8021B | do | 5092678 |
| Methyl tert-Butyl Ether | ND | | ug/L | 0.50 | 1 | 09/17/05 19:33 | SW846 8021B | do | 5092678 |
| Toluene | ND | | ug/L | 0.50 | 1 | 09/17/05 19:33 | SW846 8021B | do | 5092678 |
| Xylenes, total | ND | | ug/L | 0.50 | 1 | 09/17/05 19:33 | SW846 8021B | do | 5092678 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *90 %* | | | | | *09/17/05 19:33* | *SW846 8021B* | *do* | *5092678* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | ND | | ug/L | 50.0 | 1 | 09/17/05 19:33 | SW846 8015B | do | 5092678 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *90 %* | | | | | *09/17/05 19:33* | *SW846 8015B* | *do* | *5092678* |
| **Sample ID: NOI1223-03 (W-INT 2 - Ground Water) Sampled: 09/09/05 12:30** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | ND | | ug/L | 0.50 | 1 | 09/17/05 20:01 | SW846 8021B | do | 5092678 |
| Ethylbenzene | ND | | ug/L | 0.50 | 1 | 09/17/05 20:01 | SW846 8021B | do | 5092678 |
| Methyl tert-Butyl Ether | ND | | ug/L | 0.50 | 1 | 09/17/05 20:01 | SW846 8021B | do | 5092678 |
| Toluene | ND | | ug/L | 0.50 | 1 | 09/17/05 20:01 | SW846 8021B | do | 5092678 |
| Xylenes, total | ND | | ug/L | 0.50 | 1 | 09/17/05 20:01 | SW846 8021B | do | 5092678 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *88 %* | | | | | *09/17/05 20:01* | *SW846 8021B* | *do* | *5092678* |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | ND | | ug/L | 50.0 | 1 | 09/17/05 20:01 | SW846 8015B | do | 5092678 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *88 %* | | | | | *09/17/05 20:01* | *SW846 8015B* | *do* | *5092678* |
| **Sample ID: NOI1223-04 (W-PSP-1 - Ground Water) Sampled: 09/09/05 12:00** | | | | | | | | | |
| Volatile Organic Compounds by EPA Method 8021B | | | | | | | | | |
| Benzene | ND | | ug/L | 0.50 | 1 | 09/17/05 20:30 | SW846 8021B | do | 5092678 |
| Ethylbenzene | ND | | ug/L | 0.50 | 1 | 09/17/05 20:30 | SW846 8021B | do | 5092678 |
| Methyl tert-Butyl Ether | ND | | ug/L | 0.50 | 1 | 09/17/05 20:30 | SW846 8021B | do | 5092678 |
| Toluene | ND | | ug/L | 0.50 | 1 | 09/17/05 20:30 | SW846 8021B | do | 5092678 |
| Xylenes, total | ND | | ug/L | 0.50 | 1 | 09/17/05 20:30 | SW846 8021B | do | 5092678 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *85 %* | | | | | *09/17/05 20:30* | *SW846 8021B* | *do* | *5092678* |

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: NOI1223
Project Name: Exxon 7-0104 PO:4505890963
Project Number: 2506 11X
Received: 09/13/05 08:00

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NOI1223-04 (W-PSP-1 - Ground Water) - cont. Sampled: 09/09/05 12:00** | | | | | | | | | |
| Purgeable Petroleum Hydrocarbons | | | | | | | | | |
| GRO as Gasoline | ND | | ug/L | 50.0 | 1 | 09/17/05 20:30 | SW846 8015B | do | 5092678 |
| *Surrogate: a,a,a-Trifluorotoluene (63-134%)* | *85 %* | | | | | *09/17/05 20:30* | *SW846 8015B* | *do* | *5092678* |

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: NOI1223
Project Name: Exxon 7-0104 PO:4505890963
Project Number: 2506 11X
Received: 09/13/05 08:00

## PROJECT QUALITY CONTROL DATA
### Blank

| Analyte | Blank Value | Q | Units | Q.C. Batch | Lab Number | Analyzed Date/Time |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA Method 8021B** | | | | | | |
| **5092678-BLK1** | | | | | | |
| Benzene | <0.19 | | ug/L | 5092678 | 5092678-BLK1 | 09/17/05 18:07 |
| Ethylbenzene | <0.20 | | ug/L | 5092678 | 5092678-BLK1 | 09/17/05 18:07 |
| Methyl tert-Butyl Ether | <0.20 | | ug/L | 5092678 | 5092678-BLK1 | 09/17/05 18:07 |
| Toluene | <0.20 | | ug/L | 5092678 | 5092678-BLK1 | 09/17/05 18:07 |
| Xylenes, total | <0.50 | | ug/L | 5092678 | 5092678-BLK1 | 09/17/05 18:07 |
| *Surrogate: a,a,a-Trifluorotoluene* | 94% | | | 5092678 | 5092678-BLK1 | 09/17/05 18:07 |
| **5093254-BLK1** | | | | | | |
| Benzene | <0.19 | | ug/L | 5093254 | 5093254-BLK1 | 09/21/05 12:29 |
| Ethylbenzene | <0.20 | | ug/L | 5093254 | 5093254-BLK1 | 09/21/05 12:29 |
| Methyl tert-Butyl Ether | <0.20 | | ug/L | 5093254 | 5093254-BLK1 | 09/21/05 12:29 |
| Toluene | <0.20 | | ug/L | 5093254 | 5093254-BLK1 | 09/21/05 12:29 |
| Xylenes, total | <0.50 | | ug/L | 5093254 | 5093254-BLK1 | 09/21/05 12:29 |
| *Surrogate: a,a,a-Trifluorotoluene* | 100% | | | 5093254 | 5093254-BLK1 | 09/21/05 12:29 |
| **Purgeable Petroleum Hydrocarbons** | | | | | | |
| **5092678-BLK1** | | | | | | |
| GRO as Gasoline | <33.0 | | ug/L | 5092678 | 5092678-BLK1 | 09/17/05 18:07 |
| *Surrogate: a,a,a-Trifluorotoluene* | 94% | | | 5092678 | 5092678-BLK1 | 09/17/05 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: NOI1223
Project Name: Exxon 7-0104 PO:4505890963
Project Number: 2506 11X
Received: 09/13/05 08:00

## 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** | | | | | | | | |
| **5092678-BS1** | | | | | | | | |
| Benzene | 100 | 97.3 | | ug/L | 97% | 72 - 118 | 5092678 | 09/17/05 16:31 |
| Ethylbenzene | 100 | 94.9 | | ug/L | 95% | 71 - 119 | 5092678 | 09/17/05 16:31 |
| Methyl tert-Butyl Ether | 100 | 85.0 | | ug/L | 85% | 57 - 127 | 5092678 | 09/17/05 16:31 |
| Toluene | 100 | 92.3 | | ug/L | 92% | 72 - 119 | 5092678 | 09/17/05 16:31 |
| Xylenes, total | 200 | 186 | | ug/L | 93% | 70 - 117 | 5092678 | 09/17/05 16:31 |
| *Surrogate: a,a,a-Trifluorotoluene* | 30.0 | 26.0 | | | 87% | 63 - 134 | 5092678 | 09/17/05 16:31 |
| **5093254-BS1** | | | | | | | | |
| Benzene | 100 | 106 | | ug/L | 106% | 72 - 118 | 5093254 | 09/21/05 15:00 |
| Ethylbenzene | 100 | 102 | | ug/L | 102% | 71 - 119 | 5093254 | 09/21/05 15:00 |
| Methyl tert-Butyl Ether | 100 | 107 | | ug/L | 107% | 57 - 127 | 5093254 | 09/21/05 15:00 |
| Toluene | 100 | 104 | | ug/L | 104% | 72 - 119 | 5093254 | 09/21/05 15:00 |
| Xylenes, total | 200 | 210 | | ug/L | 105% | 70 - 117 | 5093254 | 09/21/05 15:00 |
| *Surrogate: a,a,a-Trifluorotoluene* | 30.0 | 29.2 | | | 97% | 63 - 134 | 5093254 | 09/21/05 15:00 |
| **Purgeable Petroleum Hydrocarbons** | | | | | | | | |
| **5092678-BS2** | | | | | | | | |
| GRO as Gasoline | 1000 | 982 | | ug/L | 98% | 64 - 130 | 5092678 | 09/17/05 17:00 |
| *Surrogate: a,a,a-Trifluorotoluene* | 30.0 | 25.8 | | | 86% | 63 - 134 | 5092678 | 09/17/05 17:00 |

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: NOI1223
Project Name: Exxon 7-0104 PO:4505890963
Project Number: 2506 11X
Received: 09/13/05 08:00

## PROJECT QUALITY CONTROL DATA
### Matrix Spike

| Analyte | Orig. Val. | MS Val | Q | Units | Spike Conc | % Rec. | Target Range | Batch | Sample Spiked | Analyzed Date/Time |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA Method 8021B** | | | | | | | | | | |
| **5092678-MS1** | | | | | | | | | | |
| Benzene | 0.955 | 56.7 | | ug/L | 50.0 | 111% | 50 - 160 | 5092678 | NOI1223-01 | 09/18/05 00:46 |
| Ethylbenzene | 0.0410 | 56.6 | | ug/L | 50.0 | 113% | 47 - 159 | 5092678 | NOI1223-01 | 09/18/05 00:46 |
| Methyl tert-Butyl Ether | 538 | 577 | | ug/L | 50.0 | 78% | 36 - 159 | 5092678 | NOI1223-01 | 09/18/05 00:46 |
| Toluene | 0.0890 | 61.1 | | ug/L | 50.0 | 122% | 51 - 157 | 5092678 | NOI1223-01 | 09/18/05 00:46 |
| Xylenes, total | 0.231 | 118 | | ug/L | 100 | 118% | 51 - 152 | 5092678 | NOI1223-01 | 09/18/05 00:46 |
| *Surrogate: a,a,a-Trifluorotoluene* | | 24.8 | | ug/L | 30.0 | 83% | 63 - 134 | 5092678 | NOI1223-01 | 09/18/05 00:46 |

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: NOI1223
Project Name: Exxon 7-0104 PO:4505890963
Project Number: 2506 11X
Received: 09/13/05 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike Dup

| Analyte | Orig. Val. | Duplicate | Q | Units | Spike Conc | % Rec. | Target Range | RPD | Limit | Batch | Sample Duplicated | Analyzed Date/Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA Method 8021B** | | | | | | | | | | | | |
| **5092678-MSD1** | | | | | | | | | | | | |
| Benzene | 0.955 | 55.1 | | ug/L | 50.0 | 108% | 50 - 160 | 3 | 30 | 5092678 | NOI1223-01 | 09/18/05 01:15 |
| Ethylbenzene | 0.0410 | 54.8 | | ug/L | 50.0 | 110% | 47 - 159 | 3 | 38 | 5092678 | NOI1223-01 | 09/18/05 01:15 |
| Methyl tert-Butyl Ether | 538 | 566 | | ug/L | 50.0 | 56% | 36 - 159 | 2 | 34 | 5092678 | NOI1223-01 | 09/18/05 01:15 |
| Toluene | 0.0890 | 52.7 | | ug/L | 50.0 | 105% | 51 - 157 | 15 | 37 | 5092678 | NOI1223-01 | 09/18/05 01:15 |
| Xylenes, total | 0.231 | 107 | | ug/L | 100 | 107% | 51 - 152 | 10 | 33 | 5092678 | NOI1223-01 | 09/18/05 01:15 |
| *Surrogate: a,a,a-Trifluorotoluene* | | 25.1 | | ug/L | 30.0 | 84% | 63 - 134 | | | 5092678 | NOI1223-01 | 09/18/05 01:15 |

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: NOI1223
Project Name: Exxon 7-0104 PO:4505890963
Project Number: 2506 11X
Received: 09/13/05 08:00

## CERTIFICATION SUMMARY

**TestAmerica Analytical - Nashville**

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

TestAmerica
ANALYTICAL TESTING CORPORATION
**Nashville Division**

NOI1223

## COOLER RECEIPT FORM

**BC#**

**Client Name : ERI**

**Cooler Received/Opened On: 9/13/05 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:_____
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:

    9377

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

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

BIS = Broken in shipment

# CHAIN OF CUSTODY RECORD

Page ____ of ____

**TestAmerica** INCORPORATED

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

NOI1223
09/22/05 17:00

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 610 North McDowell
City/State/Zip: Petaluma, CA 94954
Project Manager: Paula Sime
Telephone Number: 707-766-2000
ERI Job Number: 2506 11X
Sampler Name: (Print) Jon Herman
Sampler Signature: Jon Herman

ExxonMobil Engineer: Jennifer Sedlachek
Telephone Number: 510-547-8196
Account #: 10228
PO #: 4505890963
Facility ID #: 7-0104
Global ID#:
Site Address: 1725 Park Street
City, State Zip: Alameda, California

TAT
- ☐ 24 hour
- ☐ 72 hour
- ☐ 48 hour
- ☐ 96 hour
- ☑ 8 day

PROVIDE: EDF Report

Special Instructions:

| Sample ID / Description | DATE | TIME | COMP | GRAB | PRESERV | NUMBER | Matrix: Water | Soil | Vapor | Analyze For: TPHg 8015B | BTEX | MTBE 8020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-INF NOI1223-01 | 9/9/05 | 1330 | | X | HCl | 4 voa | X | | | X | X | X |
| W-INT 1 -02 | " | 1300 | | X | HCl | 4 voa | X | | | X | X | X |
| W-INT 2 -03 | " | 1230 | | X | HCl | 4 voa | X | | | X | X | X |
| W-PSP-1 -04 | " | 1210 | | X | HCl | 4 voa | X | | | X | X | X |

Relinquished by: J Herman Date 9/11/05 Time 900 Received by: Time

Relinquished by: Date Time Received by TestAmerica: 9/13/05 Time 800

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

# ATTACHMENT C

## SUMMARY OF GROUNDWATER SAMPLING
## XTRA OIL COMPANY SERVICE STATION
## (ALISTO ENGINEERING GROUP, SEPTEMBER 12, 2005)

TABLE 1 - SUMMARY OF GROUNDWATER SAMPLING
XTRA OIL COMPANY SERVICE STATION
1701 PARK STREET, ALAMEDA, CALIFORNIA

ALISTO PROJECT NO. 10-210

| WELL ID | DATE OF MONITORING/ SAMPLING | CASING ELEVATION (a) (Feet) | DEPTH TO WATER (Feet) | PRODUCT THICKNESS (Feet) | GROUNDWATER ELEVATION (b) (Feet) | TPH-G (ug/l) | TPH-D (ug/l) | B (ug/l) | T (ug/l) | E (ug/l) | X (ug/l) | MTBE (ug/l) | OTHER SVOCs (ug/l) | NAPTHALENE (ug/l) | BENZO-PYRENE (ug/l) | DO (ppm) | LAB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 11/04/94 | 19.60 | 8.6 | -- | 10.96 | 60000 | 6400 | 13000 | 4900 | 1300 | 5500 | --- | --- | --- | --- | --- | MCC |
| QC-1 (c) | 11/04/94 | --- | --- | --- | --- | 54000 | --- | 12000 | 4500 | 1200 | 5200 | --- | --- | --- | --- | --- | MCC |
| MW-1 | 01/11/95 | 19.60 | 6.10 | --- | 13.50 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW-1 | 02/24/95 | 19.60 | 6.57 | --- | 13.03 | 56000 | 4400 | 13000 | 7000 | 1400 | 5100 | --- | --- | --- | --- | --- | MCC |
| QC-1 (c) | 02/24/95 | --- | --- | --- | --- | 43000 | --- | 8900 | 4600 | 970 | 3300 | --- | --- | --- | --- | --- | MCC |
| MW-1 | 05/25/95 | 19.60 | 6.54 | --- | 13.06 | 53000 | 4700 | 11000 | 5700 | 1200 | 4000 | --- | --- | --- | --- | 4.3 | MCC |
| QC-1 (c) | 05/25/95 | --- | --- | --- | --- | 48000 | --- | 11000 | 5300 | 1200 | 3800 | --- | --- | --- | --- | --- | MCC |
| MW-1 | 08/30/95 | 19.60 | 8.15 | --- | 11.45 | 14000 | 3700 | 5000 | 1100 | 3900 | 103 | --- | --- | --- | --- | 2.8 | MCC |
| QC-1 (c) | 08/30/95 | --- | --- | --- | --- | 57000 | --- | 17000 | 7000 | 1500 | 5200 | --- | --- | --- | --- | --- | MCC |
| MW-1 | 11/16/95 | 19.60 | 8.79 | --- | 10.81 | 100000 | 5900 | 22000 | 17000 | 2100 | 8500 | --- | --- | --- | --- | --- | MCC |
| QC-1 (c) | 11/16/95 | --- | --- | --- | --- | 95000 | --- | 20000 | 15000 | 1800 | 7800 | --- | --- | --- | --- | --- | MCC |
| MW-1 | 03/20/96 | 19.60 | 6.45 | --- | 13.15 | 46000 | 3300 | 10000 | 6200 | 1100 | 3200 | --- | --- | --- | --- | --- | MCC |
| QC-1 (c) | 03/20/96 | --- | --- | --- | --- | 42000 | --- | 9800 | 5800 | 970 | 3000 | --- | --- | --- | --- | --- | MCC |
| MW-1 | 06/13/96 | 19.60 | 7.14 | --- | 12.46 | 44000 | 5400 | 9500 | 5500 | 1100 | 4000 | 19000 | --- | --- | --- | --- | MCC |
| QC-1 (c) | 06/13/96 | --- | --- | --- | --- | 48000 | --- | 9300 | 5600 | 1000 | 3800 | 17000 | --- | --- | --- | --- | MCC |
| MW-1 | 09/23/96 | 19.60 | 7.56 | --- | 12.04 | 76000 | 14000 | 14000 | 11000 | 1800 | 7100 | 17000 | --- | --- | --- | 6.1 | MCC |
| MW-1 | 12/19/96 | 19.60 | 7.08 | --- | 12.52 | 46000 | --- | 12000 | 5500 | 1200 | 4100 | --- | --- | --- | --- | --- | MCC |
| MW-1 | 05/09/97 | 19.60 | 7.39 | --- | 12.21 | 80000 | 7500 | 14000 | 12000 | 1700 | 7600 | 14000 | ND | 280 | ND<2 | 2.7 | MCC/CHR |
| MW-1 | 09/11/97 | 19.60 | 7.50 | --- | 12.10 | 100000 | 7700 | 19000 | 19000 | 2400 | 11000 | ND<2100 | --- | --- | --- | 7.2 | MCC |
| MW-1 | 12/15/97 | 19.60 | 7.61 | --- | 11.99 | 45000 | 3500 | 11000 | 5300 | 1500 | 5200 | 13000 | --- | --- | --- | 6.8 | MCC |
| QC-1 (c) | 12/15/97 | --- | --- | --- | --- | 45000 | --- | 11000 | 5400 | 1400 | 5100 | 14000 | --- | --- | --- | --- | MCC |
| MW-1 | 03/11/98 | 19.60 | 5.35 | --- | 14.25 | 40000 | 3800 | 5900 | 3900 | 1300 | 4900 | 8700 | --- | --- | --- | 6 | MCC |
| QC-1 (c) | 03/11/98 | --- | --- | --- | --- | 43000 | --- | 7200 | 5000 | 1400 | 5300 | 14000 | --- | --- | --- | --- | MCC |
| MW-1 | 06/23/98 | 19.60 | 6.63 | --- | 12.97 | 44000 | 3700 | 5900 | 6200 | 1800 | 6200 | 870 | --- | --- | --- | 6.2 | MCC |
| QC-1 (c) | 06/23/98 | --- | --- | --- | --- | 47000 | --- | 6000 | 6400 | 1800 | 6300 | 1000 | --- | --- | --- | --- | MCC |
| MW-1 | 12/01/98 | 19.60 | 6.48 | --- | 13.12 | 57000 | --- | 7400 | 12000 | 2100 | 8200 | 7200 | --- | --- | --- | 2.4 | MCC |
| QC-1 (c) | 12/01/98 | --- | --- | --- | --- | 57000 | --- | 6800 | 11000 | 1900 | 7500 | 8300 | --- | --- | --- | --- | MCC |
| MW-1 | 03/30/99 | 19.60 | 5.74 | --- | 13.86 | 67000 | 6500 | 5700 | 9400 | 2500 | 9400 | 3200 | --- | --- | --- | 2.1 | MCC |
| QC-1 (c) | 03/30/99 | --- | --- | --- | --- | 64000 | 6400 | 5500 | 9000 | 2400 | 9100 | 3100 | --- | --- | --- | --- | MCC |
| MW-1 | 08/16/99 | 19.60 | 7.02 | --- | 12.58 | 63000 | --- | 3800 | 9100 | 2800 | 11000 | ND<1700 | --- | --- | --- | 1.3 | MCC |
| QC-1 (c) | 08/16/99 | --- | --- | --- | --- | 64000 | --- | 3700 | 8800 | 2800 | 11000 | ND<1400 | --- | --- | --- | --- | MCC |
| MW-1 | 12/31/99 | 19.60 | 7.45 | --- | 12.15 | 62000 | 5100 | 2900 | 9400 | 2700 | 11000 | ND<100 | --- | --- | --- | 8.3 | MCC |
| QC-1 (c) | 12/31/99 | --- | --- | --- | --- | 67000 | 4900 | 2900 | 9700 | 2800 | 12000 | ND<100 | --- | --- | --- | --- | MCC |
| MW-1 | 03/31/00 | 19.60 | 5.85 | --- | 13.75 | 48000 | 490 | 3200 | 5500 | 2000 | 6700 | 520 | --- | --- | --- | 7.9 | MCC |
| QC-1 (c) | 03/31/00 | --- | --- | --- | --- | 54000 | 3300 | 3500 | 6000 | 2300 | 7300 | 730 | --- | --- | --- | --- | MCC |
| MW-1 | 07/14/00 | 19.60 | 7.00 | --- | 12.60 | 78000 | 5700 | 5600 | 14000 | 2300 | 9500 | ND<200 | --- | --- | --- | 3.2 | MCC |
| QC-1 (c) | 07/14/00 | --- | --- | --- | --- | 72000 | --- | 4900 | 14000 | 2100 | 9200 | ND<200 | --- | --- | --- | --- | MCC |
| MW-1 | 10/04/00 | 19.60 | 7.60 | --- | 12.00 | 65000 | 2900 | 3800 | 11000 | 2400 | 8200 | ND<100 | --- | --- | --- | 1.4 | MCC |
| QC-1 (c) | 10/04/00 | --- | --- | --- | --- | 68000 | --- | 3900 | 13000 | 2400 | 9300 | ND<100 | --- | --- | --- | --- | MCC |
| MW-1 | 12/21/00 | 19.60 | 6.91 | --- | 12.69 | 74000 | 2500 | 3800 | 17000 | 3400 | 15000 | ND<200 | --- | --- | --- | 1.3 | MCC |
| QC-1 (c) | 12/21/00 | --- | --- | --- | --- | 69000 | --- | 2700 | 12000 | 2400 | 11000 | ND<550 | --- | --- | --- | --- | MCC |
| MW-1 | 04/13/01 | 19.60 | 6.06 | --- | 13.54 | 55000 | 2400 | 2900 | 7800 | 2400 | 9400 | ND<900 | --- | --- | --- | 0.8 | MCC |
| QC-1 (c) | 04/13/01 | --- | --- | --- | --- | 51000 | --- | 2300 | 6100 | 2000 | 7900 | ND<350 | --- | --- | --- | --- | MCC |
| MW-1 | 06/27/01 | 19.60 | 6.54 | --- | 13.06 | 60000 | 3600 | 2900 | 13000 | 2300 | 10000 | ND<250 | --- | --- | --- | 1.1 | MCC |
| QC-1 (c) | 06/27/01 | --- | --- | --- | --- | 76000 | --- | 3100 | 13000 | 2300 | 10000 | ND<250 | --- | --- | --- | --- | MCC |
| MW-1 | 09/20/01 | 19.60 | 7.08 | --- | 12.52 | 74000 | 6600 | 1600 | 7700 | 2500 | 10000 | ND<200 | --- | --- | --- | 0.8 | MCC |
| QC-1 (c) | 09/20/01 | --- | --- | --- | --- | 67000 | --- | 1600 | 7800 | 2800 | 10000 | ND<200 | --- | --- | --- | --- | MCC |
| MW-1 | 12/21/01 | 19.60 | 5.71 | --- | 13.89 | 58000 | 5500 | 2100 | 11000 | 2400 | 10000 | ND<720 | --- | --- | --- | 1.4 | MCC |
| QC-1 (c) | 12/21/01 | --- | --- | --- | --- | 56000 | --- | 2100 | 11000 | 2300 | 10000 | ND<620 | --- | --- | --- | --- | MCC |
| MW-1 | 02/04/02 | 19.60 | 5.01 | --- | 14.59 | 6500 | 1800 | 74 | 100 | 230 | 1500 | 140 | --- | --- | --- | 4.1 | MCC |
| QC-1 (c) | 02/04/02 | --- | --- | --- | --- | 8000 | --- | 90 | 130 | 270 | 1800 | ND<500 | --- | --- | --- | --- | MCC |
| MW-1 | 05/07/02 | 19.60 | 6.10 | --- | 13.50 | 41000 | 7900 | 1300 | 5200 | 1700 | 6300 | ND<1000 | --- | --- | --- | 4.3 | MCC |
| QC-1 (c) | 05/07/02 | --- | --- | --- | --- | 40000 | --- | 1300 | 5200 | 1700 | 6400 | ND<500 | --- | --- | --- | --- | MCC |
| MW-1 | 08/22/02 | 19.60 | 6.91 | --- | 12.69 | 42000 | 4800 | 1100 | 6300 | 1900 | 7900 | ND<500 | --- | --- | --- | 4.9 | MCC |
| QC-1 (c) | 08/22/02 | --- | --- | --- | --- | 40000 | --- | 1000 | 6100 | 1800 | 7500 | ND<500 | --- | --- | --- | --- | MCC |
| MW-1 | 11/08/02 | 19.60 | 6.46 | --- | 13.14 | 38000 | 6800 | 770 | 4800 | 1600 | 6600 | ND<1000 | --- | --- | --- | --- | MCC |
| QC-1 (c) | 11/08/02 | --- | --- | --- | --- | 49000 | --- | 880 | 4800 | 1800 | 6700 | ND<1700 | --- | --- | --- | --- | MCC |
| MW-1 | 02/07/03 | 19.60 | 5.80 | --- | 13.80 | 43000 | 3700 | 1600 | 6100 | 2100 | 9700 | ND<500 | --- | --- | --- | 1.1 | MCC |
| MW-1 | 05/02/03 | 19.60 | 5.60 | --- | 14.00 | 48000 | 4600 | 1100 | 5900 | 1800 | 7300 | ND<1000 | --- | --- | --- | --- | MCC |
| QC-1 (c) | 05/02/03 | --- | --- | --- | --- | --- | --- | 1200 | 5800 | 1800 | 7100 | ND<500 | --- | --- | --- | --- | MCC |
| MW-1 | 08/14/03 | 19.60 | 6.81 | --- | 12.79 | 42000 | 3800 | 1000 | 4700 | 2000 | 8100 | ND<500 | --- | --- | --- | 1.3 | MCC |
| QC-1 (c) | 08/14/03 | --- | --- | --- | --- | 43000 | --- | 1000 | 4600 | 2000 | 7900 | ND<500 | --- | --- | --- | --- | MCC |
| MW-1 | 11/14/03 | 19.60 | 6.71 | --- | 12.89 | 40000 | 3000 | 610 | 4900 | 1900 | 7600 | ND<500 | --- | --- | --- | 0.8 | MCC |
| MW-1 | 03/01/04 | 19.60 | 5.22 | --- | 14.38 | 20000 | 3000 | 540 | 2500 | 720 | 2900 | ND<50 | --- | --- | --- | 0.01 | MCC |
| MW-1 | 06/30/04 (e) | 19.60 | 6.38 | --- | 13.22 | 39000 | 3000 | 570 | 2900 | 2100 | 9200 | ND<500 | --- | --- | --- | --- | MCC |
| QC-1 (c) | 06/30/04 | --- | --- | --- | --- | --- | 6800 | 550 | 3200 | 2100 | 9100 | ND<500 | --- | --- | --- | --- | MCC |
| MW-1 | 10/26/04 | 19.60 | 6.00 | --- | 13.60 | 35000 | 4400 | 510 | 2900 | 1600 | 5700 | ND<150 | --- | --- | --- | 2.7 | MCC |
| QC-1 (c) | 10/26/04 | --- | --- | --- | --- | --- | --- | 450 | 2700 | 1600 | 5600 | ND<150 | --- | --- | --- | --- | MCC |
| MW-1 | 03/24/05 | 19.60 | 5.04 | --- | 14.56 | 29000 | 3300 | 1300 | 5500 | 1200 | 4800 | ND<500 | --- | --- | --- | 2.7 | MCC |
| QC-1 (c) | 03/24/05 | --- | --- | --- | --- | 31000 | --- | 830 | 3800 | 1000 | 4500 | ND<210 | --- | --- | --- | --- | MCC |
| MW-1 | 06/14/05 | 19.60 | 5.45 | --- | 14.15 | 23000 | 4300 | 1300 | 2700 | 810 | 2700 | ND<500 | --- | --- | --- | 2.9 | MCC |
| QC-1 (c) | 06/14/05 | --- | --- | --- | --- | --- | --- | 1400 | 3100 | 810 | 2900 | ND<250 | --- | --- | --- | --- | MCC |
| MW-1 | 09/12/05 | 19.60 | 7.89 | --- | 11.71 | 60000 | 4600 | 4900 | 8200 | 1900 | 7300 | 2300 | --- | --- | --- | 2.6 | MCC |
| QC-1 (c) | 09/12/05 | --- | --- | --- | --- | 58000 | --- | 5000 | 8500 | 1900 | 7300 | 2200 | --- | --- | --- | --- | MCC |

TABLE 1 - SUMMARY OF GROUNDWATER SAMPLING
XTRA OIL COMPANY SERVICE STATION
1701 PARK STREET, ALAMEDA, CALIFORNIA

ALISTO PROJECT NO. 10-210

| WELL ID | DATE OF MONITORING/ SAMPLING | CASING ELEVATION (a) (Feet) | DEPTH TO WATER (Feet) | PRODUCT THICKNESS (Feet) | GROUNDWATER ELEVATION (b) (Feet) | TPH-G (ug/l) | TPH-D (ug/l) | B (ug/l) | T (ug/l) | E (ug/l) | X (ug/l) | MTBE (ug/l) | OTHER SVOCs (ug/l) | NAPTHALENE (ug/l) | BENZO-PYRENE (ug/l) | DO (ppm) | LAB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 11/04/94 | 20.31 | 9.12 | 0.16 | 11.31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW-2 | 01/11/95 | 20.31 | 6.75 | --- | 13.56 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW-2 | 02/24/95 | 20.31 | 7.11 | 0.18 | 13.34 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW-2 | 05/25/95 | 20.31 | 7.01 | 0.01 | 13.31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW-2 | 08/30/95 | 20.31 | 8.58 | 0.12 | 11.82 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW-2 | 11/16/95 | 20.31 | 9.07 | 0.01 | 11.25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW-2 | 03/20/96 | 20.31 | 6.79 | 0.01 | 13.53 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW-2 | 06/13/96 | 20.31 | 7.41 | 0.01 | 12.91 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW-2 | 09/23/96 | 20.31 | 7.83 | 0.01 | 12.49 | 30000 | 19000 | 4600 | 180 | 1500 | 4100 | 2600 | --- | --- | --- | 5.5 | MCC |
| QC-1 (c) | 09/23/96 | --- | --- | --- | --- | 33000 | --- | 4700 | 170 | 1600 | 3900 | 2400 | --- | --- | --- | --- | MCC |
| MW-2 | 12/19/96 | 20.31 | 7.37 | 0.01 | 12.95 | 29000 | --- | 1800 | 240 | 1400 | 5400 | --- | (d) | 420 | ND<10 | --- | MCC |
| QC-1 (c) | 12/19/96 | --- | --- | --- | --- | 29000 | --- | 580 | 210 | 1300 | 5100 | --- | --- | --- | --- | --- | MCC |
| MW-2 | 05/09/97 | 20.31 | 6.11 | 0.21 | 14.36 | 34000 | 6700000 | 4600 | 260 | 1500 | 4300 | 1600 | --- | --- | --- | 3.7 | MCC |
| MW-2 | 09/11/97 | 20.31 | 7.70 | 0.03 | 12.63 | 44000 | 1200000 | 3900 | 250 | 2400 | 7400 | ND<610 | --- | --- | --- | 6.5 | MCC |
| QC-1 (c) | 09/11/97 | --- | --- | --- | --- | 47000 | 1100000 | 4000 | 420 | 2700 | 8300 | 920 | --- | --- | --- | --- | MCC |
| MW-2 | 12/15/97 | 20.31 | 7.87 | 0.03 | 12.46 | 32000 | 68000 | 4600 | 130 | 2200 | 5400 | ND<470 | --- | --- | --- | 6 | MCC |
| MW-2 | 03/11/98 | 20.31 | 5.61 | 0.18 | 14.84 | 44000 | 3800 | 5200 | 220 | 2000 | 5000 | 1100 | --- | --- | --- | 6.2 | MCC |
| MW-2 | 06/23/98 | 20.31 | 6.74 | 0.02 | 13.59 | 75000 | 570000 | 5900 | 390 | 3100 | 8300 | 8400 | --- | --- | --- | 6.3 | MCC |
| MW-2 | 12/01/98 | 20.31 | 7.30 | --- | 13.01 | 36000 | --- | 3800 | 73 | 1500 | 3900 | 2000 | --- | --- | --- | 1.9 | MCC |
| MW-2 | 03/30/99 | 20.31 | 6.51 | 0.13 | 13.90 | 23000 | 23000 | 5000 | 100 | 610 | 870 | 21000 | --- | --- | --- | 1.7 | MCC |
| MW-2 | 08/16/99 | 20.31 | 8.04 | 0.21 | 12.43 | 30000 | --- | 5200 | 87 | 1100 | 1800 | 6000 | --- | --- | --- | 2.6 | MCC |
| MW-2 | 12/31/99 | 20.31 | 8.20 | 0.01 | 12.12 | 43000 | 340000 | 7600 | 97 | 1400 | 2500 | 4300 | --- | --- | --- | 9.0 | MCC |
| MW-2 | 03/31/00 | 20.31 | 6.29 | 0.01 | 14.03 | 26000 | 200000 | 4000 | 58 | 1100 | 1500 | 13000 | --- | --- | --- | 8.1 | MCC |
| MW-2 | 07/14/00 | 20.31 | 8.02 | --- | 12.29 | 35000 | 170000 | 5000 | 76 | 1100 | 2500 | 4900 | --- | --- | --- | 3.9 | MCC |
| MW-2 | 10/04/00 | 20.31 | 8.62 | --- | 11.69 | 22000 | 67000 | 4700 | 97 | 1300 | 1000 | 1900 | --- | --- | --- | 1.8 | MCC |
| MW-2 | 12/21/00 | 20.31 | 7.70 | --- | 12.61 | 23000 | 16000 | 7500 | 65 | 770 | 490 | 8600 | --- | 220 | ND<10 | 0.6 | MCC |
| MW-2 | 04/13/01 | 20.31 | 7.05 | --- | 13.26 | 25000 | 21000 | 6400 | 79 | 790 | 670 | 8300 | --- | --- | --- | 1.1 | MCC |
| MW-2 | 06/27/01 | 20.31 | 7.50 | --- | 12.81 | 34000 | 10000 | 5400 | 100 | 520 | 370 | 6800 | --- | --- | --- | 0.7 | MCC |
| MW-2 | 09/20/01 | 20.31 | 8.10 | --- | 12.21 | 28000 | 64000 | 4600 | 78 | 670 | 500 | 2000 | --- | --- | --- | 0.4 | MCC |
| MW-2 | 12/21/01 | 20.31 | 6.66 | --- | 13.65 | 30000 | 18000 | 3000 | 52 | 1700 | 970 | ND<100 | --- | --- | --- | 0.9 | MCC |
| MW-2 | 02/04/02 | 20.31 | 6.75 | --- | 13.56 | 17000 | 35000 | 3600 | ND<50 | 960 | 500 | 1200 | --- | --- | --- | 1.3 | MCC |
| MW-2 | 05/07/02 | 20.31 | 7.20 | --- | 13.11 | 16000 | 59000 | 3500 | 43 | 520 | 220 | 3100 | --- | --- | --- | 1.0 | MCC |
| MW-2 | 08/22/02 | 20.31 | 7.96 | --- | 12.35 | 15000 | 60000 | 2700 | 30 | 460 | 220 | 700 | --- | --- | --- | 4.2 | MCC |
| MW-2 | 11/08/02 | 20.31 | 7.69 | --- | 12.62 | 15000 | 100000 | 2100 | 60 | 1100 | 150 | ND<250 | --- | --- | --- | --- | MCC |
| MW-2 | 02/07/03 | 20.31 | 6.52 | --- | 13.79 | 11000 | --- | 4400 | 24 | ND<12 | 77 | 1900 | --- | --- | --- | 0.7 | MCC |
| MW-2 | 05/02/03 | 20.31 | 6.40 | --- | 13.91 | 18000 | 79000 | 1800 | 23 | 860 | 210 | ND<350 | --- | --- | --- | --- | MCC |
| MW-2 | 08/14/03 | 20.31 | 7.77 | --- | 12.54 | 13000 | 4300 | 1600 | 21 | 450 | 80 | ND<400 | --- | --- | --- | 0.9 | MCC |
| MW-2 | 11/14/03 | 20.31 | 7.85 | --- | 12.46 | 12000 | 13000 | 1700 | 29 | 600 | 100 | ND<600 | --- | --- | --- | 0.7 | MCC |
| MW-2 | 03/01/04 | 20.31 | 6.10 | --- | 14.21 | 17000 | 43000 | 3900 | 100 | 670 | 430 | 1800 | --- | --- | --- | 0.42 | MCC |
| MW-2 | 06/30/04 (e) | 20.31 | 7.61 | --- | 12.70 | 14000 | 12000 | 3800 | 33 | 390 | 72 | 1900 | --- | --- | --- | 0.42 | MCC |
| MW-2 | 10/26/04 | 20.31 | 7.12 | --- | 13.19 | 14000 | 7900 | 3700 | 47 | 300 | 100 | 1700 | --- | --- | --- | --- | MCC |
| MW-2 | 03/24/05 | 20.31 | 5.78 | --- | 14.53 | 15000 | 57000 | 3000 | ND<25 | 400 | 58 | ND<900 | --- | --- | --- | --- | MCC |
| MW-2 | 06/14/05 | 20.31 | 6.92 | --- | 13.39 | 15000 | 53000 | 2100 | 31 | 310 | 49 | 530 | --- | --- | --- | 0.8 | MCC |
| MW-2 | 09/12/05 | 20.31 | 8.25 | 0.01 | 12.06 | 10000 | 11000 | 2600 | 30 | 200 | ND<10 | 660 | --- | --- | --- | 2.6 | MCC |

TABLE 1 - SUMMARY OF GROUNDWATER SAMPLING
XTRA OIL COMPANY SERVICE STATION
1701 PARK STREET, ALAMEDA, CALIFORNIA

ALISTO PROJECT NO. 10-210

| WELL ID | DATE OF MONITORING/ SAMPLING | CASING ELEVATION (a) (Feet) | DEPTH TO WATER (Feet) | PRODUCT THICKNESS (Feet) | GROUNDWATER ELEVATION (b) (Feet) | TPH-G (ug/l) | TPH-D (ug/l) | B (ug/l) | T (ug/l) | E (ug/l) | X (ug/l) | MTBE (ug/l) | OTHER SVOCs (ug/l) | NAPTHALENE (ug/l) | BENZO-PYRENE (ug/l) | DO (ppm) | LAB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 11/04/94 | 20.57 | 8.92 | -- | 11.65 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | -- | -- | -- | -- | -- | MCC |
| MW-3 | 01/11/95 | 20.57 | 5.67 | -- | 14.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-3 | 02/24/95 | 20.57 | 6.11 | -- | 14.46 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | -- | -- | -- | -- | -- | MCC |
| MW-3 | 05/25/95 | 20.57 | 6.24 | -- | 14.33 | 91 | ND<50 | 28.0 | 12.0 | 2.1 | 6.5 | -- | -- | -- | -- | -- | MCC |
| MW-3 | 08/30/95 | 20.57 | 8.27 | -- | 12.30 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | -- | -- | -- | -- | 4.6 | MCC |
| MW-3 | 11/16/95 | 20.57 | 8.82 | -- | 11.75 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | -- | -- | -- | -- | -- | MCC |
| MW-3 | 03/20/96 | 20.57 | 5.44 | -- | 15.13 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | -- | -- | -- | -- | -- | MCC |
| MW-3 | 06/13/96 | 20.57 | 6.17 | -- | 14.40 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | -- | MCC |
| MW-3 | 09/23/96 | 20.57 | 6.57 | -- | 14.00 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 4.9 | MCC |
| MW-3 | 12/19/96 | 20.57 | 6.59 | -- | 13.98 | ND<50 | -- | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | -- | -- | -- | -- | -- | MCC |
| MW-3 | 05/09/97 | 20.57 | 7.00 | -- | 13.57 | ND<50 | 59 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 3.3 | MCC |
| MW-3 | 09/11/97 | 20.57 | 6.92 | -- | 13.65 | ND<50 | 82 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 7 | MCC |
| MW-3 | 12/15/97 | 20.57 | 7.03 | -- | 13.54 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 6.5 | MCC |
| MW-3 | 03/11/98 | 20.57 | 4.71 | -- | 15.86 | ND<50 | ND<50 | ND<0.5 | 1.8 | 0.6 | 3.1 | ND<5.0 | -- | -- | -- | 6.1 | MCC |
| MW-3 | 06/23/98 | 20.57 | 6.33 | -- | 14.24 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 5.7 | MCC |
| MW-3 | 12/01/98 | 20.57 | 6.74 | -- | 13.83 | ND<50 | -- | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 4 | MCC |
| MW-3 | 03/30/99 | 20.57 | 5.68 | -- | 14.89 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 4.6 | MCC |
| MW-3 | 08/16/99 | 20.57 | 7.67 | -- | 12.90 | ND<50 | -- | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 2.7 | MCC |
| MW-3 | 12/31/99 | 20.57 | 8.07 | -- | 12.50 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 9.0 | MCC |
| MW-3 | 03/31/00 | 20.57 | 5.59 | -- | 14.98 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 2.8 | MCC |
| MW-3 | 07/14/00 | 20.57 | 7.64 | -- | 12.93 | 68 | ND<50 | 0.89 | 1.7 | 2.1 | 9.5 | ND<5.0 | -- | -- | -- | 2.1 | MCC |
| MW-3 | 10/04/00 | 20.57 | 8.34 | -- | 12.23 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 2.0 | MCC |
| MW-3 | 12/21/00 | 20.57 | 7.00 | -- | 13.57 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 1.4 | MCC |
| MW-3 | 04/13/01 | 20.57 | 6.38 | -- | 14.19 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 1.3 | MCC |
| MW-3 | 06/27/01 | 20.57 | 7.37 | -- | 13.20 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 1.9 | MCC |
| MW-3 | 09/20/01 | 20.57 | 8.25 | -- | 12.32 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 2.1 | MCC |
| MW-3 | 12/21/01 | 20.57 | 5.72 | -- | 14.85 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 2.9 | MCC |
| MW-3 | 02/04/02 | 20.57 | 5.85 | -- | 14.72 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 4.1 | MCC |
| MW-3 | 05/07/02 | 20.57 | 6.49 | -- | 14.08 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 4.0 | MCC |
| MW-3 | 08/22/02 | 20.57 | 7.93 | -- | 12.64 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 4.6 | MCC |
| MW-3 | 11/08/02 | 20.57 | 7.67 | -- | 12.90 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | -- | MCC |
| MW-3 | 02/07/03 | 20.57 | 5.95 | -- | 14.62 | ND<50 | -- | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 2.8 | MCC |
| MW-3 | 05/02/03 | 20.57 | 5.75 | -- | 14.82 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | -- | MCC |
| MW-3 | 08/14/03 | 20.57 | 7.74 | -- | 12.83 | ND<50 | ND<50 | 1.6 | ND<0.5 | 0.82 | 3.2 | ND<5.0 | -- | -- | -- | 2.1 | MCC |
| MW-3 | 11/14/03 | 20.57 | 7.75 | -- | 12.82 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 0.8 | MCC |
| MW-3 | 03/01/04 | 20.57 | 5.17 | -- | 15.40 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | -- | -- | -- | 0.92 | MCC |
| MW-3 | 06/30/04 (e) | 20.57 | 7.48 | -- | 13.09 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 0.92 | MCC |
| MW-3 | 10/26/04 | 20.57 | 6.47 | -- | 14.10 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 3.0 | MCC |
| MW-3 | 03/24/05 | 20.57 | 4.70 | -- | 15.87 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 3.0 | MCC |
| MW-3 | 06/14/05 | 20.57 | 5.99 | -- | 14.58 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 2.7 | MCC |
| MW-3 | 09/12/05 | 20.57 | 7.89 | -- | 12.68 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<5.0 | -- | -- | -- | 3.3 | MCC |

TABLE 1 - SUMMARY OF GROUNDWATER SAMPLING
XTRA OIL COMPANY SERVICE STATION
1701 PARK STREET, ALAMEDA, CALIFORNIA

ALISTO PROJECT NO. 10-210

| WELL ID | DATE OF MONITORING/ SAMPLING | CASING ELEVATION (a) (Feet) | DEPTH TO WATER (Feet) | PRODUCT THICKNESS (Feet) | GROUNDWATER ELEVATION (b) (Feet) | TPH-G (ug/l) | TPH-D (ug/l) | B (ug/l) | T (ug/l) | E (ug/l) | X (ug/l) | MTBE (ug/l) | OTHER SVOCs (ug/l) | NAPTHALENE (ug/l) | BENZO-PYRENE (ug/l) | DO (ppm) | LAB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 05/09/97 | 19.69 | 7.17 | --- | 12.52 | 31000 | 15000 | 540 | 1300 | 1000 | 4500 | 1900 | ND | 2.1 | ND<2 | 3.1 | MCC/CHR |
| MW-4 | 09/11/97 | 19.69 | 7.71 | --- | 11.98 | 40000 | 6500 | 2000 | 3100 | 1700 | 7700 | 3400 | --- | --- | --- | 6.4 | MCC |
| MW-4 | 12/15/97 | 19.69 | 7.87 | --- | 11.82 | 14000 | 2100 | 910 | 690 | 390 | 2700 | 1700 | --- | --- | --- | 6 | MCC |
| MW-4 | 03/11/98 | 19.69 | 3.51 | --- | 16.18 | 2800 | 780 | 68 | 94 | 72 | 430 | 140 | --- | --- | --- | 5.5 | MCC |
| MW-4 | 06/23/98 | 19.69 | 5.21 | --- | 14.48 | 15000 | 2800 | 240 | 630 | 720 | 2700 | 370 | --- | --- | --- | 5.4 | MCC |
| MW-4 | 12/01/98 | 19.69 | 6.45 | --- | 13.24 | 21000 | --- | 580 | 1000 | 530 | 3600 | 1700 | --- | --- | --- | 4.4 | MCC |
| MW-4 | 03/30/99 | 19.69 | 5.41 | --- | 14.28 | 41000 | 3600 | 3100 | 3400 | 1700 | 6700 | 5700 | --- | --- | --- | 4.6 | MCC |
| MW-4 | 08/16/99 | 19.69 | 7.35 | --- | 12.34 | 24000 | --- | 4600 | 940 | 1200 | 2700 | 9700 | --- | --- | --- | 3.4 | MCC |
| MW-4 | 12/31/99 | 19.69 | 7.71 | --- | 11.98 | 14000 | 2000 | 510 | 630 | 600 | 3100 | 3500 | --- | --- | --- | 10.1 | MCC |
| MW-4 | 03/31/00 | 19.69 | 5.22 | --- | 14.47 | 14000 | 1400 | 470 | 480 | 580 | 2200 | 2000 | --- | --- | --- | 6.8 | MCC |
| MW-4 | 07/14/00 | 19.69 | 7.31 | --- | 12.38 | 37000 | 4300 | 770 | 1500 | 1800 | 7200 | 1700 | --- | --- | --- | 3.3 | MCC |
| MW-4 | 10/04/00 | 19.69 | 7.11 | --- | 12.58 | 47000 | 3200 | 870 | 2000 | 2600 | 9800 | ND<1500 | --- | --- | --- | 1.7 | MCC |
| MW-4 | 12/21/00 | 19.69 | 6.86 | --- | 12.83 | 13000 | 1800 | 370 | 410 | 460 | 2300 | 1500 | --- | 88 | ND<10 | 0.6 | MCC |
| MW-4 | 04/13/01 | 19.69 | 6.02 | --- | 13.67 | 20000 | 2800 | 710 | 640 | 620 | 2900 | 2300 | --- | --- | --- | 1.0 | MCC |
| MW-4 | 06/27/01 | 19.69 | 6.72 | --- | 12.97 | 23000 | 2100 | 510 | 1100 | 1100 | 4300 | 1400 | --- | --- | --- | 1.0 | MCC |
| MW-4 | 09/20/01 | 19.69 | 7.30 | --- | 12.39 | 36000 | 4400 | 460 | 1300 | 1700 | 6700 | 1000 | --- | --- | --- | 2.0 | MCC |
| MW-4 | 12/21/01 | 19.69 | 4.55 | --- | 15.14 | 11000 | 5600 | 130 | 250 | 480 | 2400 | ND<320 | --- | --- | --- | 1.6 | MCC |
| MW-4 | 02/04/02 | 19.69 | 5.82 | --- | 13.87 | 50000 | 12000 | 3000 | 8100 | 1900 | 7600 | ND<500 | --- | --- | --- | 2.0 | MCC |
| MW-4 | 05/07/02 | 19.69 | 6.08 | --- | 13.61 | 17000 | 3200 | 270 | 820 | 870 | 3700 | ND<500 | --- | --- | --- | 2.6 | MCC |
| MW-4 | 08/22/02 | 19.69 | 7.45 | --- | 12.24 | 26000 | 3800 | 720 | 920 | 1500 | 6500 | 2100 | --- | --- | --- | 4.6 | MCC |
| MW-4 | 11/08/02 | 19.69 | 6.74 | --- | 12.95 | 20000 | 3600 | 290 | 630 | 1200 | 5100 | 670 | --- | --- | --- | --- | MCC |
| MW-4 | 02/07/03 | 19.69 | 4.86 | --- | 14.83 | 13000 | --- | 520 | 1300 | ND<25 | 3600 | 420 | --- | --- | --- | 2.1 | MCC |
| QC-1 (c) | 02/07/03 | --- | --- | --- | --- | 13000 | --- | 510 | 1200 | 83 | 3100 | 420 | --- | --- | --- | --- | MCC |
| MW-4 | 05/02/03 | 19.69 | 5.45 | --- | 14.24 | 19000 | 3600 | 280 | 550 | 810 | 3600 | 470 | --- | --- | --- | --- | MCC |
| MW-4 | 08/14/03 | 19.69 | 7.20 | --- | 12.49 | 31000 | 4100 | 720 | 810 | 1300 | 6400 | 1100 | --- | --- | --- | 1.2 | MCC |
| MW-4 | 11/14/03 | 19.69 | 6.92 | --- | 12.77 | 18000 | 3300 | 400 | 320 | 1000 | 4500 | ND<1000 | --- | --- | --- | 0.7 | MCC |
| QC-1 (c) | 11/14/03 | --- | --- | --- | --- | --- | --- | 440 | 310 | 1100 | 4500 | ND<1000 | --- | --- | --- | --- | MCC |
| MW-4 | 03/01/04 | 19.69 | 5.10 | --- | 14.59 | 15000 | 2500 | 110 | 210 | 580 | 2700 | 240 | --- | --- | --- | 0.61 | MCC |
| QC-1 (c) | 03/01/04 | --- | --- | --- | --- | 15000 | --- | 110 | 220 | 610 | 2800 | 250 | --- | --- | --- | --- | MCC |
| MW-4 | 06/30/04 (e) | 19.69 | 6.70 | --- | 12.99 | 23000 | 5800 | 330 | 550 | 1300 | 5200 | ND<900 | --- | --- | --- | 0.61 | MCC |
| MW-4 | 10/26/04 | 19.69 | 6.05 | --- | 13.64 | 19000 | 3800 | 150 | 380 | 950 | 3800 | ND<300 | --- | --- | --- | 2.0 | MCC |
| MW-4 | 03/24/05 | 19.69 | 4.23 | --- | 15.46 | 6600 | 1900 | 62 | 29 | 190 | 960 | ND<120 | --- | --- | --- | 2.0 | MCC |
| MW-4 | 06/14/05 | 19.69 | 5.58 | --- | 14.11 | 23000 | 5600 | 160 | 510 | 1200 | 4000 | ND<500 | --- | --- | --- | 2.1 | MCC |
| MW-4 | 09/12/05 | 19.69 | 7.84 | --- | 11.85 | 24000 | 4000 | 1400 | 640 | 1400 | 3900 | 1400 | --- | --- | --- | 2.2 | MCC |
| QC-2 (f) | 11/04/94 | --- | --- | --- | --- | ND<50 | --- | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | --- | --- | --- | --- | --- | MCC |
| QC-2 (f) | 02/24/95 | --- | --- | --- | --- | ND<50 | --- | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | --- | --- | --- | --- | --- | MCC |
| QC-2 (f) | 05/25/95 | --- | --- | --- | --- | ND<50 | --- | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | --- | --- | --- | --- | --- | MCC |
| QC-2 (f) | 08/30/95 | --- | --- | --- | --- | ND<50 | --- | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | --- | --- | --- | --- | --- | MCC |
| QC-2 (f) | 11/16/95 | --- | --- | --- | --- | ND<50 | --- | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | --- | --- | --- | --- | --- | MCC |
| QC-2 (f) | 03/20/96 | --- | --- | --- | --- | ND<50 | --- | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | --- | --- | --- | --- | --- | MCC |
| QC-2 (f) | 06/13/96 | --- | --- | --- | --- | ND<50 | --- | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | --- | --- | --- | --- | --- | MCC |

ABBREVIATIONS:

| | |
|---|---|
| TPH-G | Total petroleum hydrocarbons as gasoline using EPA Methods 5030/8015 |
| TPH-D | Total petroleum hydrocarbons as diesel using EPA Methods 3510/8015 |
| B | Benzene using EPA Methods 5030/8020 |
| T | Toluene using EPA Methods 5030/8020 |
| E | Ethylbenzene using EPA Methods 5030/8020 |
| X | Total xylenes using EPA Methods 5030/8020 |
| MTBE | Methyl tert butyl ether using EPA Methods 5030/8020 |
| SVOCs | Semivolatile organic compounds using EPA Method 8270 |
| DO | Dissolved oxygen |
| ug/l | Micrograms per liter |
| ppm | Parts per million |
| --- | Not analyzed/applicable/measurable |
| ND | Not detected above reported detection limit |
| MCC | McCampbell Analytical, Inc. |
| CHR | Chromalab, Inc. |

NOTES:

(a) Top of casing surveyed relative to mean sea level.

(b) Groundwater elevations expressed in feet above mean sea level, and adjusted assuming a specific gravity of 0.75 for free product.

(c) Blind duplicate.

(d) Other SVOCs detected at concentrations of 200 ug/l 2-methylnapthalene and 14 ug/l phenanthrene.

(e) Wells monitored 6/15/04.

(f) Travel blank.