**ExxonMobil**
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**Gene N. Ortega**
Territory Manager
Global Remediation – US Retail

ExxonMobil
*Refining & Supply*

390

May 23, 2003

RO

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

Alameda County
JUN 10 2003
Environmental Health

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

Dear Mr. Gholami:

Attached for your review and comment is a letter report entitled ***Quarterly Groundwater Monitoring Report, Second Quarter 2003,*** dated May 19, 2003, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Novato, California, and details groundwater monitoring and sampling activities at the subject site.

If you have any questions or comments, please contact me at (925) 246-8747.

Sincerely,

Gene N. Ortega
Territory Manager

Attachment: ERI's Quarterly Groundwater Monitoring Report, Second Quarter 2003, dated May 19, 2003.

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

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

ENVIRONMENTAL RESOLUTIONS, INC.



May 19, 2003
ERI 229313.Q032

Mr. Gene N. Ortega
ExxonMobil Oil Corporation
2300 Clayton Road, Suite 1250
Concord, California 94520

Subject: Quarterly Groundwater Monitoring Report, Second Quarter 2003, Former Exxon Service Station 7-0238, 2200 East 12th Street, Oakland, California.

Mr. Ortega:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) performed second quarter 2003 groundwater monitoring and sampling at the subject site. The purpose of quarterly monitoring and sampling is to evaluate concentrations of dissolved hydrocarbons in groundwater and the groundwater flow direction and hydraulic gradient. The location of the site is shown on the Site Vicinity Map (Plate 1). The configuration of the site and the locations of select site features are shown on the Generalized Site Plan (Plate 2).

## GROUNDWATER MONITORING AND SAMPLING

On April 9, 2003, ERI measured depth to water (DTW) in select wells and collected groundwater samples from these wells for laboratory analysis. Work was performed in accordance with ERI's groundwater sampling protocol (Attachment A). The calculated hydraulic gradient and groundwater flow direction are shown on Plate 2. Historical and recent monitoring data are summarized in Table 1.

### Laboratory Analyses and Results

ERI submitted groundwater samples to Test America Incorporated (Test America), a California state-certified laboratory, under Chain-of-Custody protocol. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg); benzene, toluene, ethylbenzene, and total xylenes (BTEX); methyl tertiary butyl ether (MTBE) using the methods listed in the notes in Table 1. The laboratory analysis report and Chain-of-Custody record are attached (Attachment B). Cumulative analytical laboratory results of groundwater samples are summarized in Table 1. Analytical results of groundwater samples collected during the recent sampling event are shown on Plate 2.

## FUTURE ACTIVITIES

### Corrective and Remedial Actions

ERI conducted a dual-phase extraction (DPE) feasibility test at the subject site in March 2001. The purpose of the test was to evaluate the effectiveness of DPE as a remedial alternative. Test methods and results of the investigation are presented in ERI's *Dual-Phase Extraction Feasibility Test Report and Conceptual Corrective Action Plan* (CAP), dated September 19, 2001. ERI's CAP was approved by the Alameda County Health Care Services Agency (the County) in a letter dated June 3, 2002.

ERI has designed a DPE system to remediate hydrocarbon-impacted groundwater and soil vapor. ERI is currently in the process of obtaining the required permits for system installation and operation. System installation is planned for spring 2003. The DPE system will use a liquid-ring pump (LRP) to extract groundwater and soil vapor from four proposed DPE wells (DPE1 through DPE4). Extracted liquid and vapor streams will be separated by an air-water separator and directed to the liquid and vapor abatement systems. The vapor stream will be abated using a catalytic oxidizer and discharged into the atmosphere under permit from the Bay Area Air Quality Management District (BAAQMD). The liquid stream will be abated with granular activated carbon (GAC) and discharged to the sanitary sewer under permit from the East Bay Municipal Utility District (EBMUD).

### Quarterly Monitoring and Sampling

Groundwater monitoring and sampling occurs quarterly at this site. The third quarter 2003 monitoring and sampling event is scheduled for July 2003.

## DOCUMENT DISTRIBUTION

ERI recommends forwarding copies of this report to:

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

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

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

## LIMITATIONS

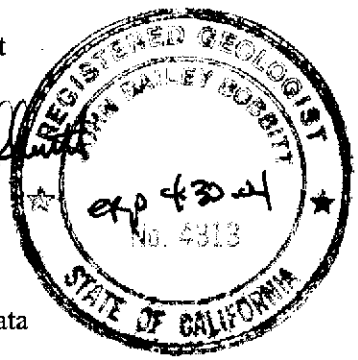
This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for ExxonMobil, and any reliance on this report by third parties shall be at such party's sole risk.

Please call Ms. Paula Sime, ERI's senior staff geologist for this site, at (415) 382-4324, with any questions regarding this report.

Sincerely,
Environmental Resolutions, Inc.

Paula Sime
Senior Staff Geologist

John B. Bobbitt
R.G. 4313




Attachments:
- Table 1: Cumulative Groundwater Monitoring and Sampling Data
- Plate 1: Site Vicinity Map
- Plate 2: Generalized Site Plan
- Attachment A: Groundwater Sampling Protocol
- Attachment B: Laboratory Analysis Report and Chain-of-Custody Record

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


| Well ID # (TOC) | Sampling Date | SUBJ | DTW | Elev. | TPHg | MTBE | B | T | E | X | Oxygenates |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | < | feet | > | | | µg/L | | | | |
| MW9A | 11/02/95 | NLPH | 7.16 | 4.30 | <50 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| (11.46) | 04/26/96 | NLPH | 6.33 | 5.13 | --- | --- | --- | --- | --- | --- | --- |
| | 08/22/96 | NLPH | 7.02 | 4.44 | --- | --- | --- | --- | --- | --- | --- |
| | 02/24/97 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 03/16/98 | NLPH | 6.14 | 5.32 | <200 | 40,000 | 7.9 | <2.0 | <2.0 | <2.0 | --- |
| | 04/21/98 | NLPH | 6.29 | 5.17 | <50 | 53,000 | 3.8 | <0.5 | <0.5 | <0.5 | --- |
| (14.53) | 07/22/98 | NLPH | 6.58 | 7.95 | <250 | 18,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |
| | 12/22/98 | NLPH | 6.47 | 8.06 | <50 | 5,200 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 02/26/99 | NLPH | 6.38 | 8.15 | <100 | 10,000 | <1.0 | <1.0 | <1.0 | <1.0 | --- |
| | 5/27/99 b | NLPH | 6.56 | 7.97 | <5,000 | 15,300 | <50 | <50 | <50 | <50 | --- |
| | 08/03/99 | NLPH | 9.39 | 5.14 | <50 | <2.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 12/03/99 | NLPH | 6.52 | 8.01 | <50 | 1,400 | <0.5 | <0.5 | <0.5 | 0.67 c | --- |
| | 02/29/00 | NLPH | 5.31 | 9.22 | <50 | 20,000 | 1.2 | <0.5 | <0.5 | <0.5 | --- |
| | 05/18/00 | NLPH | 6.31 | 8.22 | <50 | 14,000/11,000a | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 07/24/00 | NLPH | 6.54 | 7.99 | <50 | 7,400 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 10/09/00 | NLPH | 6.00 | 8.53 | <50 | 2,300 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 01/10/01 | NLPH | 6.34 | 8.19 | <50 | 3,700 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 04/10/01 | NLPH | 9.31 | 5.22 | <50 | 11,000 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 07/12/01 | NLPH | --- | --- | <50 | 3,600 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 8/17/01 d | --- | 6.61 | 7.92 | --- | --- | --- | --- | --- | --- | --- |
| | 10/11/01 | NLPH | 7.03 | 7.50 | <50 | 1,700 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| (14.51) | 10/11/01 | Well surveyed in compliance with AB2886 requirements. | | | | | | | | | --- |
| | 01/11/02 | NLPH | 5.93 | 8.58 | 2,090 f | 31,000 f | 18.6 f | <0.50 | <0.50 | <0.50 | --- |
| | 04/12/02 | NLPH | 6.41 | 8.10 | 34,300 | 32,200 | <5.00 | <5.00 | <5.00 | <5.00 | --- |
| | 07/12/02 | NLPH | 6.64 | 7.87 | 6,760 | 8,070 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 10/11/02 | NLPH | 6.76 | 7.75 | 2,420 | 2,860/3,040 a | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| | 01/10/03 | NLPH | 5.90 | 8.61 | 38,800 | 51,900 | 103 | 15.0 | <5.0 | 13.0 | --- |
| | **04/09/03** | **NLPH** | **6.38** | **8.13** | **34,200** | **38,600** | **14.0** | **<5.0** | **<5.0** | **<5.0** | **---** |
| MW9B | 11/02/95 | NLPH | 6.14 | 3.66 | 130 | <10 | 3.3 | <0.5 | <0.5 | <0.5 | --- |
| (9.80) | 04/26/96 | NLPH | 5.66 | 4.14 | 270 | 70 | 130 | 2.8 | 6.7 | <3 | --- |
| | 08/22/96 | NLPH | 6.16 | 3.64 | 210 | 31 | 5.7 | 6.8 | 1.1 | 9.2 | --- |
| | 02/24/97 | NLPH | 5.58 | 4.22 | 1,400 | 1,300 | 76 | 1.4 | 4.1 | 1.2 | --- |
| | 03/16/98 | NLPH | 5.32 | 4.48 | 860 | 1,500 | 140 | 2.0 | 11 | <2.0 | --- |
| | 04/21/98 | NLPH | 5.49 | 4.31 | 1,800 | 18,000 | 300 | <5.0 | 7.9 | <5.0 | --- |
| (12.83) | 07/22/98 | NLPH | 5.79 | 7.04 | <500 | 26,000 | 13 | <5.0 | <5.0 | <5.0 | --- |

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


| Well ID # (TOC) | Sampling Date | SUBJ | DTW | Elev. | TPHg | MTBE | B | T | E | X | Oxygenates |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | < | feet | > | | | µg/L | | | | |
| MW9B (cont.) | 12/22/98 | NLPH | 5.69 | 7.14 | 700 | 21,000 | 110 | 3.1 | 9.1 | 14 | --- |
| (12.83) | 02/26/99 | NLPH | 5.10 | 7.73 | 8,800 | 8,000 | 2,000 | <25 | 52 | 38 | --- |
| | 05/18/99 | NLPH | 5.65 | 7.18 | <10,000 | 42,100 | 158 | <100 | <100 | <100 | --- |
| | 08/03/99 | NLPH | 6.24 | 6.59 | 960 | 24,900 | <5.0 | <5.0 | <5.0 | <5.0 | --- |
| | 12/03/99 | NLPH | 5.66 | 7.17 | <50 | 1,000 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 02/29/00 | NLPH | 4.61 | 8.22 | 3,100 | 25,000 | 900 | 7 | 23 | 7.1 | --- |
| | 05/18/00 | NLPH | 5.54 | 7.29 | 780 | 34,000/26,000a | 150 | <2.5 | 4.5 | <2.5 | --- |
| | 07/24/00 | NLPH | 8.75 | 4.08 | <250 | 39,000 | 8 | <2.5 | <2.5 | <2.5 | --- |
| | 10/09/00 | NLPH | 4.84 | 7.99 | <1,200 | 30,000 | 1.7 | <0.5 | <0.5 | <0.5 | --- |
| | 01/10/01 | NLPH | 5.56 | 7.27 | <250 | 32,000 | 5.3 | <0.5 | <0.5 | <0.5 | --- |
| | 04/10/01 | NLPH | 5.40 | 7.43 | 360 | 27,000 | 69.0 | <2.5 | 22.0 | 29.8 | --- |
| | 07/12/01 | NLPH | --- | --- | <250 | 41,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |
| | 8/17/01 d | --- | 5.83 | 7.00 | --- | --- | --- | --- | --- | --- | --- |
| | 10/11/01 | NLPH | 8.70 | 4.13 | <250 | 24,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |
| (12.84) | Nov-01 | Well surveyed in compliance with AB2886 requirements. | | | | | | | | | --- |
| | 01/11/02 | NLPH | 5.16 | 7.68 | 9,170 f | 14,600 f | 66.0 f | <10.0 | 54.0 | <10.0 | --- |
| | 04/12/02 | NLPH | 5.57 | 7.27 | 29,600 | 28,600 | 12.0 | <5.00 | <5.00 | <5.00 | --- |
| | 07/12/02 | NLPH | 5.81 | 7.03 | 20,200 | 27,700 | <10.0 | 14.0 | <10.0 | 16.0 | --- |
| | 10/11/02 g | NLPH | 5.91 | 6.93 | 18,900 | 24,300/28,200 a | 2.3 | <0.5 | <0.5 | <0.5 | ND |
| | 01/10/03 | NLPH | 5.09 | 7.75 | 14,900 | 18,600 | 118 | 1.0 | 6.5 | 3.6 | --- |
| | **04/09/03** | **NLPH** | **5.51** | **7.33** | **21,800** | **24,900** | **51.0** | **<5.0** | **<5.0** | **<5.0** | **---** |
| MW9C | 11/02/95 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (11.14) | 04/26/96 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 08/22/96 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 02/24/97 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 03/16/98 | NLPH | 5.51 | 5.63 | <500 | 150,000 | 24 | <5.0 | <5.0 | <5.0 | --- |
| | 04/21/98 | NLPH | 5.83 | 5.31 | 150 | 130,000/150,000a | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| (14.19) | 07/22/98 | NLPH | 6.43 | 7.76 | <500 | 95,000 | <5.0 | <5.0 | <5.0 | <5.0 | --- |
| | 12/22/98 | NLPH | 6.16 | 8.03 | <500 | 84,000 | <5.0 | <5.0 | <5.0 | <5.0 | --- |
| | 02/26/99 | NLPH | 5.46 | 8.73 | <250 | 55,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |
| | 05/18/99 | NLPH | 6.27 | 7.92 | <25,000 | 68,900 | <250 | <250 | <250 | <250 | --- |
| | 08/03/99 | NLPH | 7.13 | 7.06 | 210 | 69,200 | <1.0 | 1.3 | <1.0 | <1.0 | --- |
| | 12/03/99 | NLPH | 6.17 | 8.02 | 290 | 50,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |
| | 02/29/00 | NLPH | 4.49 | 9.70 | <250 | 40,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |
| | 05/18/00 | NLPH | 5.96 | 8.23 | <250 | 46,000/33,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |

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


| Well ID # (TOC) | Sampling Date | SUBJ | DTW | Elev. | TPHg | MTBE | B | T | E | X | Oxygenates |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | < | feet | > | | | µg/L | | | | |
| MW9C (cont.) | 07/24/00 | NLPH | 6.47 | 7.72 | <250 | 44,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |
| (14.19) | 10/09/00 | NLPH | 6.57 | 7.62 | <250 | 39,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |
| | 01/10/01 | NLPH | 6.09 | 8.10 | <250 | 42,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |
| | 04/10/01 | NLPH | 7.88 | 6.31 | <250 | 35,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |
| | 07/12/01 | NLPH | --- | --- | <250 | 32,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |
| | 8/17/01 d | --- | 6.60 | 7.59 | --- | --- | --- | --- | --- | --- | --- |
| | 10/11/01 | NLPH | 6.67 | 7.52 | <250 | 53,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |
| (14.16) | Nov-01 | Well surveyed in compliance with AB2886 requirements. | | | | | | | | | --- |
| | 01/11/02 | NLPH | 5.29 | 8.87 | 2,470 f | 90,000 f | 0.90 f | <0.50 | <0.50 | <0.50 | --- |
| | 04/12/02 | NLPH | 6.14 | 8.02 | 70,400 | 66,800 | <5.00 | <5.00 | <5.00 | <5.00 | --- |
| | 07/12/02 | NLPH | 6.54 | 7.62 | 50,900 | 58,300 | <500 | <500 | <500 | <500 | --- |
| | 10/11/02 | NLPH | 6.73 | 7.43 | 52,100 | 58,800/76,000 a | <10.0 | <10.0 | <10.0 | <10.0 | 34.3 h |
| | 01/10/03 | NLPH | 5.21 | 8.95 | 40,600 | 55,500 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | **04/09/03** | **NLPH** | **6.08** | **8.08** | **24,700** | **29,600** | **<5.00** | **<5.0** | **<5.0** | **<5.0** | **---** |
| MW9D | 11/02/95 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (12.90) | 04/26/96 | --- | -- | -- | --- | --- | --- | --- | --- | --- | --- |
| | 08/22/96 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 02/24/97 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 03/16/98 | NLPH | 6.94 | 5.96 | <50 | 10 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 04/21/98 | NLPH | 7.22 | 5.68 | <50 | 12 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| (15.98) | 07/22/98 | NLPH | 7.85 | 8.13 | <50 | 13 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 12/22/98 | NLPH | 7.58 | 8.40 | <50 | 12 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 02/26/99 | NLPH | 6.42 | 9.56 | <50 | 310 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 05/18/99 | NLPH | 6.55 | 9.43 | <2,500 | 13,500 | <25 | <25 | <25 | <25 | --- |
| | 08/03/99 | NLPH | 8.34 | 7.64 | <50 | <2.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 12/03/99 | NLPH | 7.56 | 8.42 | <50 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 02/29/00 | NLPH | 4.82 | 11.16 | <50 | 2.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 05/18/00 | NLPH | 7.40 | 8.58 | <50 | 6.2 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 07/24/00 | NLPH | 7.91 | 8.07 | <50 | 14 | <0.5 | <0.5 | 0.85 | 0.74 | --- |
| | 10/09/00 | NLPH | 8.02 | 7.96 | <50 | 14 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 01/10/01 | NLPH | 7.26 | 8.72 | <50 | 18 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 04/10/01 | NLPH | 7.32 | 8.66 | <50 | 14 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 07/12/01 | NLPH | -- | -- | <50 | 22 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 08/17/01 e | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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


| Well ID # (TOC) | Sampling Date | SUBJ | DTW | Elev. | TPHg | MTBE | B | T | E | X | Oxygenates |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | < | feet | > | | | µg/L | | | | |
| MW9D (cont.) | 10/11/01 | NLPH | 8.16 | 7.82 | <50 | 24 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| (15.97) | Nov-01 | Well surveyed in compliance with AB2886 requirements. | | | | | | | | | --- |
| | 01/11/02 | NLPH | 6.64 | 9.33 | 352 f | 2.0 f | <0.50 | <0.50 | <0.50 | <0.50 | --- |
| | 04/12/02 | NLPH | 7.58 | 8.39 | 191 | 192 | <0.50 | <0.50 | <0.50 | <0.50 | --- |
| | 07/12/02 | NLPH | 8.01 | 7.96 | 108 | 124 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 10/11/02 | NLPH | 8.13 | 7.84 | 187 | 243 | <0.5 | <0.5 | <0.5 | <0.5 | i |
| | 01/10/03 | NLPH | 5.98 | 9.99 | 386 | 132 | 4.1 | <0.5 | <0.5 | <0.5 | --- |
| | **04/09/03** | **NLPH** | **7.53** | **8.44** | **468** | **292** | **3.80** | **<0.5** | **<0.5** | **<0.5** | **---** |
| MW9F | 11/02/95 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (8.37) | 04/26/96 | NLPH | --- | --- | <50 | 57 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 08/22/96 | NLPH | --- | --- | <50 | 5.8 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 02/24/97 | NLPH | --- | --- | <50 | <30 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 03/16/98 | NLPH | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 04/21/98 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (11.38) | 07/22/98 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 12/22/98 | NLPH | 5.47 | 5.91 | <50 | 81 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 02/26/99 | NLPH | 5.35 | 6.03 | <50 | <2.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 05/18/99 | NLPH | 5.62 | 5.76 | <50 | 61.6 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 08/03/99 | NLPH | 6.32 | 5.06 | <50 | 3.10 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 12/03/99 | NLPH | 5.59 | 5.79 | <50 | <2 | <0.5 | <0.5 | 0.71 | <0.5 | --- |
| | 02/29/00 | NLPH | 4.70 | 6.68 | <50 | 52 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 05/18/00 | NLPH | 5.37 | 6.01 | <50 | 65 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 07/24/00 | NLPH | 5.65 | 5.73 | <50 | 170 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 10/09/00 | NLPH | 5.71 | 5.67 | <50 | 170 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 01/10/01 | NLPH | 4.30 | 7.08 | <50 | 140 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 04/10/01 | NLPH | 5.20 | 6.18 | <50 | 50 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 07/12/01 | NLPH | -- | -- | <50 | 190 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 08/17/01 e | -- | -- | -- | -- | -- | -- | -- | -- | -- | --- |
| | 10/11/01 | NLPH | 5.82 | 5.56 | <50 | 260 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| (11.38) | Nov-01 | Well surveyed in compliance with AB2886 requirements. | | | | | | | | | --- |
| | 01/11/02 | NLPH | 5.12 | 6.26 | <100 | 67.0 f | <1.00 | <1.00 | <1.00 | <1.00 | --- |
| | 04/12/02 | NLPH | 5.50 | 5.88 | 55.9 | 58.6 | <0.50 | <0.50 | <0.50 | <0.50 | --- |
| | 07/12/02 | NLPH | 5.65 | 5.73 | 102 | 121 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 10/11/02 | NLPH | 5.67 | 5.71 | 99.9 | 128/138 a | <0.5 | <0.5 | <0.5 | <0.5 | ND |

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


| Well ID # (TOC) | Sampling Date | SUBJ | DTW | Elev. | TPHg | MTBE | B | T | E | X | Oxygenates |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | < | feet | > | | | µg/L | | | | |
| MW9F (cont.) | 01/10/03 | NLPH | 5.09 | 6.29 | <50.0 | 45.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| (11.38) | **04/09/03** | **NLPH** | **5.39** | **5.99** | **<50.0** | **50.8** | **<0.50** | **<0.5** | **<0.5** | **<0.5** | **---** |
| MW9G | 11/02/95 | NLPH | 5.92 | 4.03 | <50 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| (9.95) | 04/26/96 | NLPH | 5.28 | 4.67 | <50 | 18 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 08/22/96 | NLPH | 5.57 | 4.38 | <50 | 18 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 02/24/97 | NLPH | 5.30 | 4.65 | <50 | 240 | <0.5 | 0.57 | <0.5 | 0.62 | --- |
| | 03/16/98 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 04/21/98 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (12.99) | 07/22/98 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 12/22/98 | NLPH | 5.28 | 7.71 | <50 | 1,100 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 02/26/99 | NLPH | 5.31 | 7.68 | <50 | 50 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 05/18/99 | NLPH | 5.18 | 7.81 | <1,000 | 3,990 | <10 | <10 | <10 | <10 | --- |
| | 08/03/99 | NLPH | 6.00 | 6.99 | <50 | 1,340 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 12/03/99 | NLPH | 5.27 | 7.72 | <50 | <2 | <0.5 | <0.5 | <0.5 | 0.55 c | --- |
| | 02/29/00 | NLPH | 4.60 | 8.39 | <50 | 7,900 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 05/18/00 | NLPH | 5.16 | 7.83 | <50 | 2,400 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 07/24/00 | NLPH | 5.20 | 7.79 | <50 | 1,000 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 10/09/00 | NLPH | 5.26 | 7.73 | <50 | 180 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 01/10/01 | NLPH | 5.18 | 7.81 | <50 | 1,200 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 04/10/01 | NLPH | 5.08 | 7.91 | <50 | 9,100 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 07/12/01 | NLPH | -- | -- | <50 | 3,000 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 8/17/01 e | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 10/11/01 | NLPH | 5.48 | 7.51 | <50 | 1,600 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| (12.98) | Nov-01 | Well surveyed in compliance with AB2886 requirements. | | | | | | | | | --- |
| | 01/11/02 | NLPH | 4.97 | 8.01 | 419 f | 945 f | <0.50 | <0.50 | <0.50 | <0.50 | --- |
| | 04/12/02 | NLPH | 5.12 | 7.86 | 10,700 | 11,000 | <0.50 | <0.50 | <0.50 | <0.50 | --- |
| | 07/12/02 | NLPH | 5.31 | 7.67 | 2,310 | 3,140 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 10/11/02 | NLPH | 5.39 | 7.59 | 1,630 | 2,040/2,090 a | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| | 01/10/03 | NLPH | 4.90 | 8.08 | 367 | 566 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | **04/09/03** | **NLPH** | **5.15** | **7.83** | **3,730** | **3,990** | **<0.50** | **<0.5** | **<0.5** | **<0.5** | **---** |

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


| Well ID # (TOC) | Sampling Date | SUBJ | DTW | Elev. | TPHg | MTBE | B | T | E | X | Oxygenates |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | < | feet | > | | | µg/L | | | | |
| MW9H | 11/02/95 | NLPH | 8.40 | 0.18 | <50 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| (8.58) | 04/26/96 | NLPH | 8.05 | 0.53 | --- | --- | --- | --- | --- | --- | --- |
| | 08/22/96 | NLPH | 8.17 | 0.41 | --- | --- | --- | --- | --- | --- | --- |
| | 02/24/97 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 03/16/98 | --- | --- | --- | --- | --- | --- | -- | --- | --- | --- |
| | 04/21/98 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (11.61) | 07/22/98 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 12/22/98 | NLPH | 7.81 | 3.80 | <50 | <2.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 02/26/99 | NLPH | 7.61 | 4.00 | <50 | <2.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 05/18/99 | NLPH | 8.00 | 3.61 | <50 | 3.98 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 08/03/99 | NLPH | 6.05 | 5.56 | <50 | <2.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 12/03/99 | NLPH | 5.32 | 6.29 | <50 | <2 | <0.5 | <0.5 | <0.5 | 0.57 c | --- |
| | 02/29/00 | NLPH | 7.10 | 4.51 | <50 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 05/18/00 | NLPH | 7.84 | 3.77 | <50 | 9.7 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 07/24/00 | NLPH | 7.94 | 3.67 | <50 | 17 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 10/09/00 | NLPH | 8.09 | 3.52 | <50 | 13 | <0.5 | <0.5 | <0.5 | 1.1 | --- |
| | 01/10/01 | NLPH | 7.89 | 3.72 | <50 | 11 | <0.5 | <0.5 | <0.5 | 0.5 | --- |
| | 04/10/01 | NLPH | 8.71 | 2.90 | <50 | 44 | <0.5 | 0.78 | 0.52 | 2.36 | --- |
| | 07/12/01 | NLPH | -- | -- | <50 | 28 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 8/17/01 e | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 10/11/01 | NLPH | 8.15 | 3.46 | <50 | 30 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| (11.59) | Nov-01 | Well surveyed in compliance with AB2886 requirements. | | | | | | | | | --- |
| | 01/11/02 | NLPH | 7.48 | 4.11 | <50.0 | 20.5 f | <0.50 | <0.50 | <0.50 | <0.50 | --- |
| | 04/12/02 | NLPH | 7.68 | 3.91 | <50.0 | 32.8 | <0.50 | <0.50 | <0.50 | <0.50 | --- |
| | 07/12/02 | NLPH | 8.06 | 3.53 | <50.0 | 34.6 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 10/11/02 | NLPH | 7.83 | 3.76 | <50.0 | 33.1/28.7 a | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| | 01/10/03 | NLPH | 7.39 | 4.20 | <50.0 | 16.0 | 0.5 | 0.8 | 0.6 | 1.8 | --- |
| | **04/09/03** | **NLPH** | **7.69** | **3.90** | **<50.0** | **26.8** | **<0.50** | **<0.5** | **<0.5** | **<0.5** | **---** |
| MW9I | 11/02/95 | NLPH | 6.04 | 4.07 | <50 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| (10.11) | 04/26/96 | NLPH | 5.27 | 4.84 | <50 | 99 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 08/22/96 | NLPH | 5.66 | 4.45 | <50 | 170 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 02/24/97 | NLPH | 5.24 | 4.87 | 120 | 9,100 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 03/16/98 | NLPH | 4.91 | 5.20 | <200 | 59,000 | 13 | <2.0 | <2.0 | <2.0 | --- |
| | 04/21/98 | NLPH | 5.08 | 5.03 | <500 | 59,000 | <5.0 | <5.0 | <5.0 | <5.0 | --- |
| (13.14) | 07/22/98 | NLPH | 5.44 | 7.70 | <500 | 62,000 | <5.0 | <5.0 | <5.0 | <5.0 | --- |

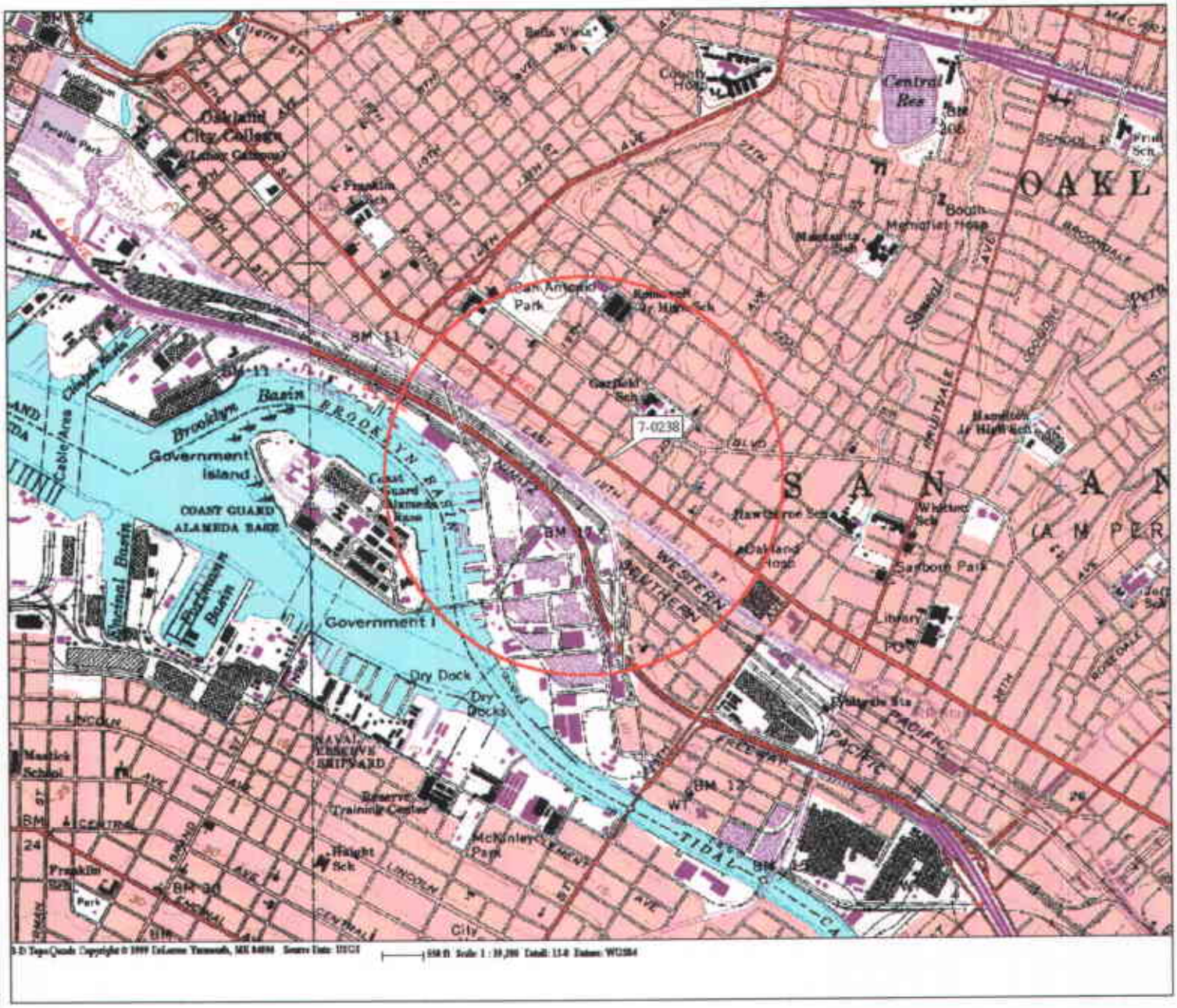
**TABLE 1**
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California


| Well ID # (TOC) | Sampling Date | SUBJ | DTW | Elev. | TPHg | MTBE | B | T | E | X | Oxygenates |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | < | feet | > | | | µg/L | | | | |
| MW9I (cont.) | 12/22/98 | NLPH | 5.32 | 7.82 | 200 | 51,000 | 1.7 | <0.5 | <0.5 | <0.5 | --- |
| (13.14) | 02/26/99 | NLPH | 4.71 | 8.43 | <500 | 9,700 | <5.0 | <5.0 | <5.0 | <5.0 | --- |
| | 05/18/99 | NLPH | 5.30 | 7.84 | <1,000 | 3,730 | <10 | <10 | <10 | <10 | --- |
| | 08/03/99 | NLPH | 5.98 | 7.16 | <50 | 21,900 | <0.5 | 0.650 | <0.5 | <0.5 | --- |
| | 12/03/99 | NLPH | 5.31 | 7.83 | <250 | 2,000 | 3.9 | 2.9 | <2.5 | 14 | --- |
| | 02/29/00 | NLPH | 4.20 | 8.94 | 50 | 16,000 | 0.74 | <0.5 | <0.5 | <0.5 | --- |
| | 05/18/00 | NLPH | 5.12 | 8.02 | <50 | 2,900 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 07/24/00 | NLPH | 5.41 | 7.73 | <250 | 43,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |
| | 10/09/00 | NLPH | 5.41 | 7.73 | <2,500 | 54,000 | 1.6 | <0.5 | <0.5 | <0.5 | --- |
| | 01/10/01 | NLPH | 5.24 | 7.90 | <250 | 36,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |
| | 04/10/01 | NLPH | 4.84 | 8.30 | <50 | 4,800 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 07/12/01 | NLPH | --- | --- | <50 | 8,400 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 08/17/01 | --- | 6.49 | 6.65 | --- | --- | --- | --- | --- | --- | --- |
| | 10/11/01 | NLPH | 5.64 | 7.50 | <250 | 38,000 | <2.5 | <2.5 | <2.5 | <2.5 | --- |
| (13.13) | Nov-01 | Well surveyed in compliance with AB2886 requirements. | | | | | | | | | --- |
| | 01/11/02 | NLPH | 4.80 | 8.33 | 1,330 f | 5,400 f | 4.80 f | <0.50 | <0.50 | <0.50 | --- |
| | 04/12/02 | NLPH | 5.22 | 7.91 | 1,460 | 1,480 | <0.50 | <0.50 | <0.50 | <0.50 | --- |
| | 07/12/02 | NLPH | 5.50 | 7.63 | 4,460 | 6,490 | <0.5 | <0.5 | <0.5 | <0.5 | --- |
| | 10/11/02 | NLPH | 5.35 | 7.78 | 31,300 | 37,700/51,000 a | <5.0 | <5.0 | <5.0 | <5.0 | 24.1 h |
| | 01/10/03 | NLPH | 4.75 | 8.38 | 4,820 | 6,180 | 9.4 | 0.7 | 1.1 | 1.3 | --- |
| | **04/09/03** | **NLPH** | **5.15** | **7.98** | **2,130** | **1,510** | **22.3** | **1.9** | **1.5** | **1.5** | **---** |

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


Notes:

| | | |
|---|---|---|
| SUBJ | = | Results of subjective evaluation. |
| NLPH | = | No liquid-phase hydrocarbons present in well. |
| TOC | = | Elevation of top of well casing; relative to mean sea level. |
| DTW | = | Depth to water. |
| Elev. | = | Elevation of groundwater surface; relative to mean sea level. |
| TPHg | = | Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B. |
| MTBE | = | Methyl tertiary butyl ether analyzed using EPA Method 8021B. |
| BTEX | = | Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B. |
| Oxygenates | = | 1,2-dibromoethane, 1,2-dichloroethane, di-isopropyl ether, tertiary butyl alcohol, tertiary amyl methyl ether, and tertiary butyl ethyl ether analyzed using Method 8260B. |
| < | = | Less than the indicated reporting limit shown by the laboratory. |
| ND | = | Not detected at or above the laboratory reporting limit. See laboratory analytical report for specific reporting limits. |
| --- | = | Not measured or sampled. |
| µg/L | = | Micrograms per liter. |
| a | = | MTBE analyzed using EPA Method 8260B. |
| b | = | Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 5/27/99. |
| c | = | Analyte detected in the trip blank and/or bailer blank. |
| d | = | Due to measurement error during initial sampling event, DTW was re-measured on August 17, 2001. No samples were taken. |
| e | = | Well inaccessible due to uncontrollable traffic conditions. |
| f | = | Samples collected after fourth quarter 2001 analyzed by Test America, Inc. Reported concentrations may be affected by differing laboratory quantitation methods. |
| g | = | Sample erroneously labeled MA9B on Chain-of-Custody form and laboratory report. |
| h | = | Tertiary amyl methyl ether. |
| i | = | Insufficient sample volume to perform oxygenate analyses. |




FN 2293TOPO

## 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

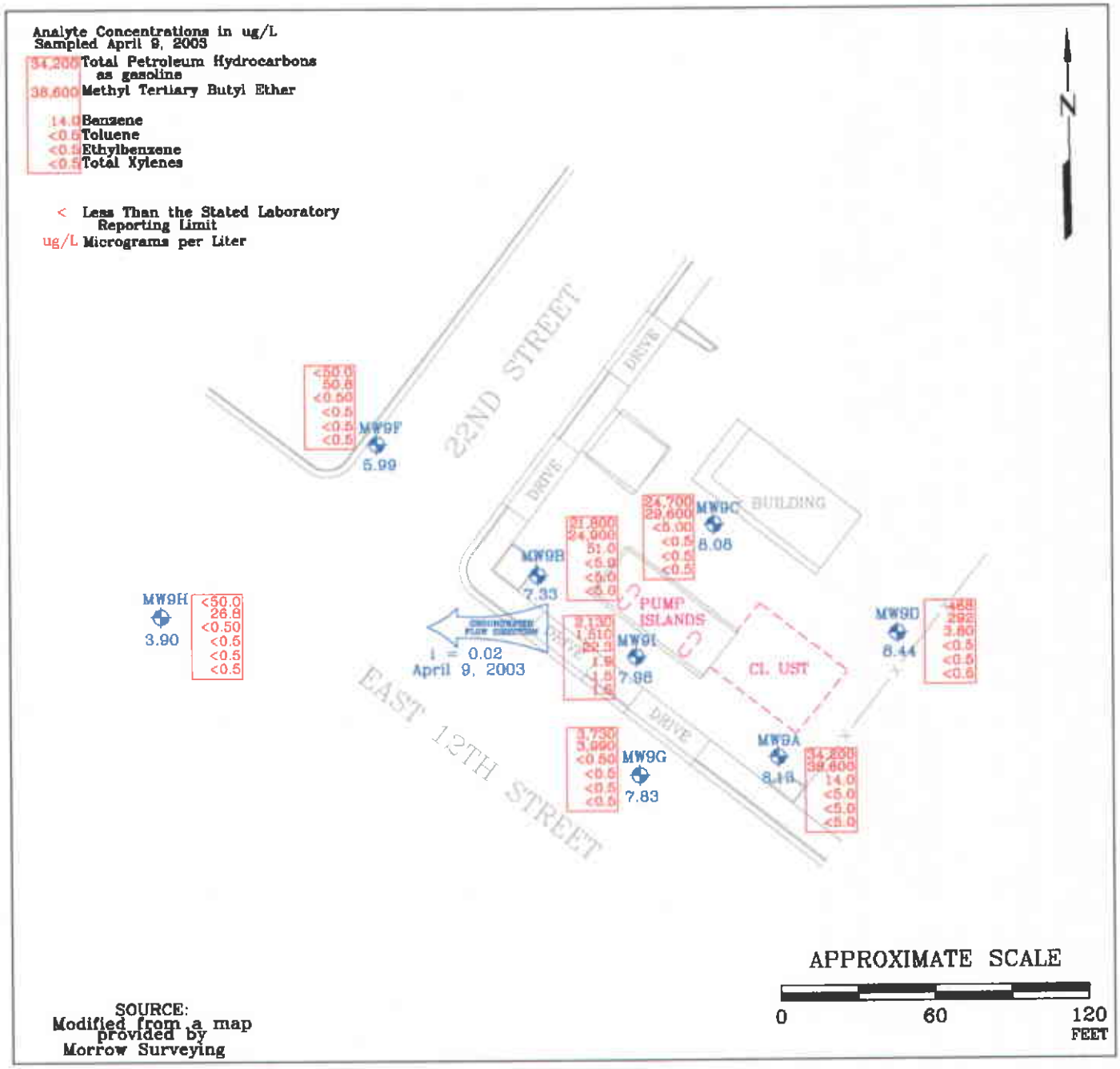
ERI ENVIRONMENTAL RESOLUTIONS, INC.

# SITE VICINITY MAP

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

**PROJECT NO.** 2293

**PLATE** 1




SOURCE:
Modified from a map provided by Morrow Surveying

FN: 22930005

## EXPLANATION

MW9I
Groundwater Monitoring Well

7.98 Groundwater elevation in feet; datum is mean sea level

ERI ENVIRONMENTAL RESOLUTIONS, INC.

# GENERALIZED SITE PLAN

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

PROJECT NO.
2293

PLATE
2
Feb. 7, 2003

# ATTACHMENT A

# GROUNDWATER SAMPLING PROTOCOL

## GROUNDWATER SAMPLING PROTOCOL

The static water level and separate-phase product level, if present, in each well that contains water and/or separate-phase product are measured with an ORS Interface Probe, which is accurate to the nearest 0.01 foot. To calculate groundwater elevations and evaluate groundwater gradient, depth to water (DTW) levels are subtracted from top of casing elevations.

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

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

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

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

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

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

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

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

# ATTACHMENT B

# LABORATORY ANALYSIS REPORT AND CHAIN-OF-CUSTODY RECORD

TestAmerica
ANALYTICAL TESTING CORPORATION

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



4/18/03

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

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

Project Name: EXXONMOBIL 7-0238
Project Number: 229313X.
Laboratory Project Number: 327565.

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.



| Sample Identification | Lab Number | Collection Date |
|---|---|---|
| MW9A | 03-A55453 | 4/ 9/03 |
| MW9B | 03-A55454 | 4/ 9/03 |
| MW9C | 03-A55455 | 4/ 9/03 |
| MW9D | 03-A55456 | 4/ 9/03 |
| MW9F | 03-A55457 | 4/ 9/03 |
| MW9G | 03-A55458 | 4/ 9/03 |
| MW9H | 03-A55459 | 4/ 9/03 |
| MW9I | 03-A55460 | 4/ 9/03 |

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: _____ Report Date: 4/18/03

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Roxanne L. Connor, Technical Services
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

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 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: JED PEDERSEN

Lab Number: 03-A55453
Sample ID: MW9A
Sample Type: Water
Site ID: 7-0238

Date Collected: 4/ 9/03
Time Collected: 14:45
Date Received: 4/11/03
Time Received: 8:10
Page: 1

| Analyte | Result | Units | Report Limit | Dil Factor | Analysis Date | Analysis Time | Analyst | Method | Batch |
|---|---|---|---|---|---|---|---|---|---|
| *ORGANIC PARAMETERS* | | | | | | | | | |
| Benzene | 14.0 | ug/L | 5.00 | 10.0 | 4/17/03 | 22:19 | H. Wagner | 8021B | 700 |
| Ethylbenzene | ND | ug/L | 5.0 | 10.0 | 4/17/03 | 22:19 | H. Wagner | 8021B | 700 |
| Toluene | ND | ug/L | 5.0 | 10.0 | 4/17/03 | 22:19 | H. Wagner | 8021B | 700 |
| Xylenes (Total) | ND | ug/L | 5.0 | 10.0 | 4/17/03 | 22:19 | H. Wagner | 8021B | 700 |
| Methyl-t-butylether | 38600 | ug/L | 100. | 200. | 4/18/03 | 10:56 | H. Wagner | 8021B | 4151 |
| TPH (Gasoline Range) | 34200 | ug/L | 500. | 10.0 | 4/17/03 | 22:19 | H. Wagner | 8015B | 700 |

| Surrogate | % Recovery | Target Range |
|---|---|---|
| BTEX/GRO Surr., a,a,a-TFT | 100. | 69. - 132. |

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.

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 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: JED PEDERSEN

Lab Number: 03-A55454
Sample ID: MW9B
Sample Type: Water
Site ID: 7-0238

Date Collected: 4/ 9/03
Time Collected: 14:35
Date Received: 4/11/03
Time Received: 8:10
Page: 1

| Analyte | Result | Units | Report Limit | Dil Factor | Analysis Date | Analysis Time | Analyst | Method | Batch |
|---|---|---|---|---|---|---|---|---|---|
| *ORGANIC PARAMETERS* | | | | | | | | | |
| Benzene | 51.0 | ug/L | 5.00 | 10.0 | 4/17/03 | 22:49 | H. Wagner | 8021B | 700 |
| Ethylbenzene | ND | ug/L | 5.0 | 10.0 | 4/17/03 | 22:49 | H. Wagner | 8021B | 700 |
| Toluene | ND | ug/L | 5.0 | 10.0 | 4/17/03 | 22:49 | H. Wagner | 8021B | 700 |
| Xylenes (Total) | ND | ug/L | 5.0 | 10.0 | 4/17/03 | 22:49 | H. Wagner | 8021B | 700 |
| Methyl-t-butylether | 24900 | ug/L | 100. | 200. | 4/18/03 | 11:26 | H. Wagner | 8021B | 4151 |
| TPH (Gasoline Range) | 21800 | ug/L | 500. | 10.0 | 4/17/03 | 22:49 | H. Wagner | 8015B | 700 |

| Surrogate | % Recovery | Target Range |
|---|---|---|
| BTEX/GRO Surr., a,a,a-TFT | 99. | 69. - 132. |

LABORATORY COMMENTS:

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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.

End of Sample Report.

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# ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: JED PEDERSEN

Lab Number: 03-A55455
Sample ID: MW9C
Sample Type: Water
Site ID: 7-0238

Date Collected: 4/ 9/03
Time Collected: 14:55
Date Received: 4/11/03
Time Received: 8:10
Page: 1

| Analyte | Result | Units | Report Limit | Dil Factor | Analysis Date | Analysis Time | Analyst | Method | Batch |
|---|---|---|---|---|---|---|---|---|---|
| *ORGANIC PARAMETERS* | | | | | | | | | |
| Benzene | ND | ug/L | 5.00 | 10.0 | 4/17/03 | 23:19 | H. Wagner | 8021B | 700 |
| Ethylbenzene | ND | ug/L | 5.0 | 10.0 | 4/17/03 | 23:19 | H. Wagner | 8021B | 700 |
| Toluene | ND | ug/L | 5.0 | 10.0 | 4/17/03 | 23:19 | H. Wagner | 8021B | 700 |
| Xylenes (Total) | ND | ug/L | 5.0 | 10.0 | 4/17/03 | 23:19 | H. Wagner | 8021B | 700 |
| Methyl-t-butylether | 29600 | ug/L | 100. | 200. | 4/18/03 | 11:56 | H. Wagner | 8021B | 4151 |
| TPH (Gasoline Range) | 24700 | ug/L | 500. | 10.0 | 4/17/03 | 23:19 | H. Wagner | 8015B | 700 |

| Surrogate | % Recovery | Target Range |
|---|---|---|
| BTEX/GRO Surr., a,a,a-TFT | 99. | 69. - 132. |

LABORATORY COMMENTS:

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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.

End of Sample Report.

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# ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: JED PEDERSEN

Lab Number: 03-A55456
Sample ID: MW9D
Sample Type: Water
Site ID: 7-0238

Date Collected: 4/ 9/03
Time Collected: 14:10
Date Received: 4/11/03
Time Received: 8:10
Page: 1

| Analyte | Result | Units | Report Limit | Dil Factor | Analysis Date | Analysis Time | Analyst | Method | Batch |
|---|---|---|---|---|---|---|---|---|---|
| *ORGANIC PARAMETERS* | | | | | | | | | |
| Benzene | 3.80 | ug/L | 0.50 | 1.0 | 4/17/03 | 23:50 | H. Wagner | 8021B | 700 |
| Ethylbenzene | ND | ug/L | 0.5 | 1.0 | 4/17/03 | 23:50 | H. Wagner | 8021B | 700 |
| Toluene | ND | ug/L | 0.5 | 1.0 | 4/17/03 | 23:50 | H. Wagner | 8021B | 700 |
| Xylenes (Total) | ND | ug/L | 0.5 | 1.0 | 4/17/03 | 23:50 | H. Wagner | 8021B | 700 |
| Methyl-t-butylether | 292. | ug/L | 1.0 | 2.0 | 4/18/03 | 12:26 | H. Wagner | 8021B | 4151 |
| TPH (Gasoline Range) | 468. | ug/L | 50.0 | 1.0 | 4/17/03 | 23:50 | H. Wagner | 8015B | 700 |

| Surrogate | % Recovery | Target Range |
|---|---|---|
| BTEX/GRO Surr., a,a,a-TFT | 102. | 69. - 132. |

LABORATORY COMMENTS:

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E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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# ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: JED PEDERSEN

Lab Number: 03-A55457
Sample ID: MW9F
Sample Type: Water
Site ID: 7-0238

Date Collected: 4/ 9/03
Time Collected: 14:00
Date Received: 4/11/03
Time Received: 8:10
Page: 1

| Analyte | Result | Units | Report Limit | Dil Factor | Analysis Date | Analysis Time | Analyst | Method | Batch |
|---|---|---|---|---|---|---|---|---|---|
| *ORGANIC PARAMETERS* | | | | | | | | | |
| Benzene | ND | ug/L | 0.50 | 1.0 | 4/18/03 | 0:20 | H. Wagner | 8021B | 700 |
| Ethylbenzene | ND | ug/L | 0.5 | 1.0 | 4/18/03 | 0:20 | H. Wagner | 8021B | 700 |
| Toluene | ND | ug/L | 0.5 | 1.0 | 4/18/03 | 0:20 | H. Wagner | 8021B | 700 |
| Xylenes (Total) | ND | ug/L | 0.5 | 1.0 | 4/18/03 | 0:20 | H. Wagner | 8021B | 700 |
| Methyl-t-butylether | 50.8 | ug/L | 0.5 | 1.0 | 4/18/03 | 0:20 | H. Wagner | 8021B | 700 |
| TPH (Gasoline Range) | ND | ug/L | 50.0 | 1.0 | 4/18/03 | 0:20 | H. Wagner | 8015B | 700 |

| Surrogate | % Recovery | Target Range |
|---|---|---|
| BTEX/GRO Surr., a,a,a-TFT | 103. | 69. - 132. |

LABORATORY COMMENTS:

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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.

End of Sample Report.

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# ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: JED PEDERSEN

Lab Number: 03-A55458
Sample ID: MW9G
Sample Type: Water
Site ID: 7-0238

Date Collected: 4/ 9/03
Time Collected: 14:20
Date Received: 4/11/03
Time Received: 8:10
Page: 1

| Analyte | Result | Units | Report Limit | Dil Factor | Analysis Date | Analysis Time | Analyst | Method | Batch |
|---|---|---|---|---|---|---|---|---|---|
| *ORGANIC PARAMETERS* | | | | | | | | | |
| Benzene | ND | ug/L | 0.50 | 1.0 | 4/18/03 | 0:50 | H. Wagner | 8021B | 700 |
| Ethylbenzene | ND | ug/L | 0.5 | 1.0 | 4/18/03 | 0:50 | H. Wagner | 8021B | 700 |
| Toluene | ND | ug/L | 0.5 | 1.0 | 4/18/03 | 0:50 | H. Wagner | 8021B | 700 |
| Xylenes (Total) | ND | ug/L | 0.5 | 1.0 | 4/18/03 | 0:50 | H. Wagner | 8021B | 700 |
| Methyl-t-butylether | 3990 | ug/L | 10.0 | 20.0 | 4/18/03 | 12:56 | H. Wagner | 8021B | 4151 |
| TPH (Gasoline Range) | 3730 | ug/L | 50.0 | 1.0 | 4/18/03 | 0:50 | H. Wagner | 8015B | 700 |

| Surrogate | % Recovery | Target Range |
|---|---|---|
| BTEX/GRO Surr., a,a,a-TFT | 97. | 69. - 132. |

LABORATORY COMMENTS:

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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.

End of Sample Report.

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# ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: JED PEDERSEN

Lab Number: 03-A55459
Sample ID: MW9H
Sample Type: Water
Site ID: 7-0238

Date Collected: 4/ 9/03
Time Collected: 11:20
Date Received: 4/11/03
Time Received: 8:10
Page: 1

| Analyte | Result | Units | Report Limit | Dil Factor | Analysis Date | Analysis Time | Analyst | Method | Batch |
|---|---|---|---|---|---|---|---|---|---|
| *ORGANIC PARAMETERS* | | | | | | | | | |
| Benzene | ND | ug/L | 0.50 | 1.0 | 4/18/03 | 1:21 | H. Wagner | 8021B | 700 |
| Ethylbenzene | ND | ug/L | 0.5 | 1.0 | 4/18/03 | 1:21 | H. Wagner | 8021B | 700 |
| Toluene | ND | ug/L | 0.5 | 1.0 | 4/18/03 | 1:21 | H. Wagner | 8021B | 700 |
| Xylenes (Total) | ND | ug/L | 0.5 | 1.0 | 4/18/03 | 1:21 | H. Wagner | 8021B | 700 |
| Methyl-t-butylether | 26.8 | ug/L | 0.5 | 1.0 | 4/18/03 | 1:21 | H. Wagner | 8021B | 700 |
| TPH (Gasoline Range) | ND | ug/L | 50.0 | 1.0 | 4/18/03 | 1:21 | H. Wagner | 8015B | 700 |

| Surrogate | % Recovery | Target Range |
|---|---|---|
| BTEX/GRO Surr., a,a,a-TFT | 104. | 69. - 132. |

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.

End of Sample Report.

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# ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: JED PEDERSEN

Lab Number: 03-A55460
Sample ID: MW9I
Sample Type: Water
Site ID: 7-0238

Date Collected: 4/ 9/03
Time Collected: 14:30
Date Received: 4/11/03
Time Received: 8:10
Page: 1

| Analyte | Result | Units | Report Limit | Dil Factor | Analysis Date | Analysis Time | Analyst | Method | Batch |
|---|---|---|---|---|---|---|---|---|---|
| *ORGANIC PARAMETERS* | | | | | | | | | |
| Benzene | 22.3 | ug/L | 0.50 | 1.0 | 4/18/03 | 1:51 | H. Wagner | 8021B | 700 |
| Ethylbenzene | 1.5 | ug/L | 0.5 | 1.0 | 4/18/03 | 1:51 | H. Wagner | 8021B | 700 |
| Toluene | 1.9 | ug/L | 0.5 | 1.0 | 4/18/03 | 1:51 | H. Wagner | 8021B | 700 |
| Xylenes (Total) | 1.5 | ug/L | 0.5 | 1.0 | 4/18/03 | 1:51 | H. Wagner | 8021B | 700 |
| Methyl-t-butylether | 1510 | ug/L | 5.0 | 10.0 | 4/18/03 | 13:27 | H. Wagner | 8021B | 4151 |
| TPH (Gasoline Range) | 2130 | ug/L | 50.0 | 1.0 | 4/18/03 | 1:51 | H. Wagner | 8015B | 700 |

| Surrogate | % Recovery | Target Range |
|---|---|---|
| BTEX/GRO Surr., a,a,a-TFT | 108. | 69. - 132. |

LABORATORY COMMENTS:

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# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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**PROJECT QUALITY CONTROL DATA**
**Project Number: 229313X**
**Project Name: EXXONMOBIL 7-0238**
**Page: 1**
**Laboratory Receipt Date: 4/11/03**

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 | 0.00380 | 0.0545 | 0.0500 | 101 | 74. - 129. | 700 | 03-A55456 |
| Toluene | mg/l | < 0.0005 | 0.0503 | 0.0500 | 101 | 74. - 128. | 700 | 03-A55456 |
| Ethylbenzene | mg/l | < 0.0005 | 0.0520 | 0.0500 | 104 | 75. - 128. | 700 | 03-A55456 |
| Xylenes (Total) | mg/l | < 0.0005 | 0.104 | 0.100 | 104 | 72. - 126. | 700 | 03-A55456 |
| TPH (Gasoline Range) | mg/l | 0.468 | 1.07 | 1.00 | 60 | 59. - 128. | 700 | 03-A55456 |
| BTEX/GRO Surr., a,a,a-TFT | % Recovery | | | | 100 | 69 - 132 | 700 | |

Matrix Spike Duplicate

| Analyte | units | Orig. Val. | Duplicate | RPD | Limit | Q.C. Batch |
|---|---|---|---|---|---|---|
| **UST PARAMETERS** | | | | | | |
| Benzene | mg/l | 0.0545 | 0.0527 | 3.36 | 15. | 700 |
| Toluene | mg/l | 0.0503 | 0.0484 | 3.85 | 15. | 700 |
| Ethylbenzene | mg/l | 0.0520 | 0.0506 | 2.73 | 15. | 700 |
| Xylenes (Total) | mg/l | 0.104 | 0.101 | 2.93 | 19. | 700 |
| TPH (Gasoline Range) | mg/l | 1.07 | 1.12 | 4.57 | 22. | 700 |
| BTEX/GRO Surr., a,a,a-TFT | % Recovery | | 100. | | | 700 |

Laboratory Control Data

| Analyte | units | Known Val. | Analyzed Val | % Recovery | Target Range | Q.C. Batch |
|---|---|---|---|---|---|---|
| **UST PARAMETERS** | | | | | | |
| Benzene | mg/l | 0.100 | 0.0815 | 82 | 74 - 124 | 700 |
| Toluene | mg/l | 0.100 | 0.0799 | 80 | 74 - 121 | 700 |

Project QC continued . . .

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**PROJECT QUALITY CONTROL DATA**
**Project Number: 229313X**
**Project Name: EXXONMOBIL 7-0238**
**Page: 2**
**Laboratory Receipt Date: 4/11/03**

Laboratory Control Data

| Analyte | units | Known Val. | Analyzed Val | % Recovery | Target Range | Q.C. Batch |
|---|---|---|---|---|---|---|
| Ethylbenzene | mg/l | 0.100 | 0.0825 | 82 | 75 - 123 | 700 |
| Xylenes (Total) | mg/l | 0.200 | 0.166 | 83 | 72 - 120 | 700 |
| Methyl-t-butylether | mg/l | 0.100 | 0.0803 | 80 | 64 - 128 | 700 |
| Methyl-t-butylether | mg/l | 0.100 | 0.0842 | 84 | 64 - 128 | 4151 |
| TPH (Gasoline Range) | mg/l | 1.00 | 1.07 | 107 | 61 - 139 | 700 |
| BTEX/GRO Surr., a,a,a-TFT | % Recovery | | | 97 | 69 - 132 | 700 |

Blank Data

| Analyte | Blank Value | Units | Q.C. Batch | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| **UST PARAMETERS** | | | | | |
| Benzene | < 0.00050 | mg/l | 700 | 4/17/03 | 21:49 |
| Toluene | < 0.0005 | mg/l | 700 | 4/17/03 | 21:49 |
| Ethylbenzene | < 0.0005 | mg/l | 700 | 4/17/03 | 21:49 |
| Xylenes (Total) | < 0.0005 | mg/l | 700 | 4/17/03 | 21:49 |
| Methyl-t-butylether | < 0.0005 | mg/l | 700 | 4/17/03 | 21:49 |
| Methyl-t-butylether | < 0.0005 | mg/l | 4151 | 4/18/03 | 9:25 |
| TPH (Gasoline Range) | < 0.0500 | mg/l | 700 | 4/17/03 | 21:49 |

Blank Data

| Analyte | Blank Value | Units | Q.C. Batch | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| **UST PARAMETERS** | | | | | |
| BTEX/GRO Surr., a,a,a-TFT | 103. | % Recovery | 700 | 4/17/03 | 21:49 |

Project QC continued . . .

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**PROJECT QUALITY CONTROL DATA**
**Project Number: 229313X**
**Project Name: EXXONMOBIL 7-0238**
**Page: 3**
**Laboratory Receipt Date: 4/11/03**

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

End of Report for Project 327565

# TEST AMERICA ANALYTICAL TESTING CORP.-NASHVILLE

## COOLER RECEIPT FORM BC#


Client: GEL 3876

Cooler Received On: 4/11/03 And Opened On: 4/11/03 By: Ben Wright

(Signature)

1. Temperature of Cooler when opened 2.2 Degrees Celsius
2. Were custody seals on outside of cooler?.....(YES)...NO....NA
   a. If yes, how many, what kind and where: 1 - TAPE - FRONT
3. Were custody seals on containers and intact?.....(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
9. Was sufficient ice used (if appropriate)?.....(YES...NO...NA
10. Did all bottles arrive in good condition( unbroken)?.....(YES...NO...NA
11. Were all bottle labels complete (#,date,signed,pres,etc)?.....(YES...NO...NA
12. Did all bottle labels and tags agree with custody papers?.....(YES...NO...NA
13. Were correct bottles 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 bottle?.....(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. See attached for resolution of non-conformance:

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

CHAIN OF CUSTODY RECORD **327565** Page 1 of 1

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

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 73 Digital Drive, Suite 100
City/State/Zip: Novato, California 94949
Project Manager Paula Sime
Telephone Number: (415) 382-9105
ERI Job Number: 229313X
Sampler Name: (Print) Jed Pedersen
Sampler Signature:
☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

ExxonMobil Engineer Gene N. Ortega
Telephone Number (925) 246-8747
Account #: 3876
PO #: 4501667113
Facility ID # 70238
Global ID# T0600101343
Site Address 2200 East 12th Street
City, State Zip Oakland, California

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

PROVIDE:
EDF Report
FAX Results

Special Instructions:
***Hold analyses for sample "QCTB".***

| Sample ID / Description | DATE | TIME | COMP | GRAB | PRESERV | NUMBER | Matrix: Water | Soil | Vapor | Analyze For: TPHd 8015B | TPHg 8015B | BTEX 8021B | MTBE 8021B | Confirm MTBE 8260B | Oxygenates 8260B | VOCs 8260B | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QCTB | 4/9/03 | 1500 | | | HCl | 2 VOAs | X | | | | H | O | L | D | | ~~55~~ | ~~54~~ | 53 | ~~53~~ (B) | |
| MW9A | | 1445 | | | HCl | 4 VOAs | X | | | | X | X | X | | | 55 | 54 | 53 | | |
| MA9B | | 1435 | | | HCl | 4 VOAs | X | | | | X | X | X | | | ✓ | ✓ | 54 | | |
| MW9C | | 1455 | | | HCl | 4 VOAs | X | | | | X | X | X | | | | ✓ | 55 | | |
| MW9D | | 1410 | | | HCl | 4 VOAs | X | | | | X | X | X | | | | | 56 | | |
| MW9F | | 1400 | | | HCl | 4 VOAs | X | | | | X | X | X | | | | | 57 | | |
| MW9G | | 1420 | | | HCl | 4 VOAs | X | | | | X | X | X | | | ✓ | | 58 | | |
| MW9H | | 1120 | | | HCl | 4 VOAs | X | | | | X | X | X | | | | | 59 | | |
| MW9I | ✓ | 1430 | | | HCl | 4 VOAs | X | | | | X | X | X | | | 55 | 54 | 60 | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

Relinquished by: Date 4/10 Time 800 Received by: Time

Relinquished by: Date Time Received by TestAmerica 4/4/03 Time 810

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