CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

# TRANSMITTAL

**DATE:** September 28, 2009

**REFERENCE NO.:** 240524

**PROJECT NAME:** 4255 MacArthur Boulevard, Oakland

**TO:** Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

**RECEIVED**
2:07 pm, Oct 01, 2009
Alameda County
Environmental Health

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|---|---|
| 1 | Groundwater Monitoring and Remediation Report - Third Quarter 2009 |
| | |
| | |

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- ☒ For Review and Comment
- ☐
- ☐

**COMMENTS:**
If you have any questions regarding the contents of this document, please call Peter Schaefer at (510) 420-3319.

Copy to: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Avenue, Carson, CA 90810
Roland C. Malone, Jr., PO Box 2744, Castro Valley, CA 94546
Kenneth Williams, MacArthur/High Trailer Park, c/o Bookkeeping, 332 Peyton Drive, Hayward, CA 94544
Thomas H. Kosel, ConocoPhillips Company, 76 Broadway, Sacramento, CA 95818

Completed by: Peter Schaefer Signed: Peter Schaefer

**Filing:** **Correspondence File**

**Denis L. Brown**
**Shell Oil Products US**
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Former Shell Service Station
4255 MacArthur Boulevard
Oakland, California
SAP Code 135701
Incident No. 98995758
ACEH Case No. RO0000486

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

Denis L. Brown
Project Manager

# GROUNDWATER MONITORING AND REMEDIATION REPORT - THIRD QUARTER 2009

## FORMER SHELL SERVICE STATION
## 4255 MACARTHUR BOULEVARD
## OAKLAND, CALIFORNIA

| | |
|---|---|
| SAP CODE | 135701 |
| INCIDENT NO. | 98995758 |
| AGENCY NO. | RO0000486 |

**Prepared by:**
**Conestoga-Rovers & Associates**

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

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Fax: (510) 420-9170

web: http://www.CRAworld.com

SEPTEMBER 28, 2009
REF. NO. 240524 (5)
This report is printed on recycled paper.

# TABLE OF CONTENTS

## LIST OF FIGURES
(Following Text)



## LIST OF APPENDICES

## 1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) in accordance with the reporting requirements of 23 CCR 2652d.

### 1.1 SITE INFORMATION

| | |
|---|---|
| Site Address | 4255 MacArthur Boulevard, Oakland |
| Site Use | Vacant |
| Shell Project Manager | Denis Brown |
| CRA Project Manager | Peter Schaefer |
| Lead Agency and Contact | ACEH, Jerry Wickham |
| Agency Case No. | RO0000486 |
| Shell SAP Code | 135701 |
| Shell Incident No. | 98995758 |

Date of most recent agency correspondence was July 24, 2009.

## 2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

### 2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the modified monitoring program for this site.

CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2). Blaine's report, presenting the analytical data, is included in Appendix A.

Blaine coordinated groundwater sampling with the adjacent 76 Station No. 1156 located at 4276 MacArthur Boulevard. The data tables for this site are included in Appendix B.

During the quarterly monitoring event on July 23, 2009, 0.20 feet of separate-phase hydrocabons (SPHs) were measured in MW-2. Approximately 0.81 pounds of SPHs

were removed from MW-2 during this event by bailing. A SPH removal summary is provided below.

| SPH REMOVAL SUMMARY | |
|---|---|
| *This Quarter (pounds)* | *Cumulative Removal (pounds)* |
| 0.81 | 27.89 |

Based on the measurement of SPH in MW-2 this quarter, Shell conducted vacuum extraction using a vacuum truck and a stinger (vacops) on wells MW-2 and MW-3 on September 17, 2009. CRA extracted approximately 44 gallons of water from each well. Based on the limited yields, no additional vacops are planned. A vacops removal summary, with cumulative totals including vacops between 1999 and 2006, is provided below.

| VACOPS REMOVAL SUMMARY | | | |
|---|---|---|---|
| *Constituent of Concern (COC)* | *MW-2: This Quarter (pounds)* | *MW-3: This Quarter (pounds)* | *Cumulative Removal (pounds)* |
| Total petroleum hydrocarbons as gasoline (TPHg) | 0.022 | 0.0096 | 15.72 |
| Benzene | 0.00063 | 0.0012 | 0.81 |
| Methyl-tertiary butyl ether (MTBE) | 0.0015 | 0.00082 | 26.88 |

A mass removal summary, with cumulative totals including SPH removal by bailing, vacops, and dual-phase extraction (DPE) between 2000 and 2003, is provided below. TPHg, benzene, and MTBE in groundwater extracted during DPE are included in the vacops totals. The benzene and MTBE concentrations in the SPHs are not known. For the purposes of the mass removal calculation, we assume that SPHs are 100% TPHg.

| MASS REMOVAL SUMMARY | | | | |
|---|---|---|---|---|
| *COC* | *SPH (pounds)* | *Vacops (pounds)* | *Vapor (pounds)* | *Cumulative Removal (pounds)* |
| TPHg | 27.89 | 15.72 | 26.41 | 70.02 |
| Benzene | -- | 0.81 | 0.088 | 0.90 |
| MTBE | -- | 26.88 | 0.31 | 27.19 |

## 2.2 CURRENT QUARTER'S FINDINGS

| | |
|---|---|
| Groundwater Flow Direction | Generally west-southwesterly |
| Hydraulic Gradient | Variable |
| Depth to Water | 4.92 to 14.59 feet below top of well casing |

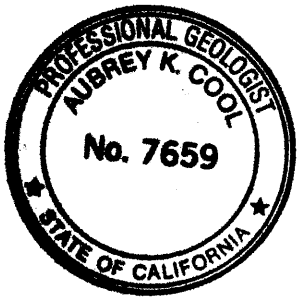
## 2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

Blaine will gauge and sample wells according to the established monitoring program. The next groundwater sampling event is scheduled for first quarter 2010. In addition, MW-2 and MW-3 will be gauged quarterly for SPHs and bailed, if sufficient SPHs are measured. If no SPHs are measured for four consecutive quarters, SPH gauging and bailing will be suspended.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CEG, CHG

Aubrey K. Cool, PG



# FIGURES

12/16/08


I:\Shell\6-chars\2405--\240524-Oakland 4255 MacArthur\240524-FIGURES\240524 VICINITY.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

**Former Shell Service Station**
4255 MacArthur Boulevard
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

**Vicinity Map**

08/25/09

## EXPLANATION

- MW-1 — Monitoring well location (Shell)
- MW-1 — Monitoring well location (Tosco)
- TB-1 — Destroyed tank backfill well location (Shell)
- Water line (W)
- Storm drain line (SD)
- Sanitary sewer line (SS)
- XX.XX — Groundwater elevation contour, in feet above mean sea level (msl)

Well
ELEV
Benzene
MTBE

- Well designation
- Groundwater elevation, in feet above msl
- Benzene and MTBE concentrations are in micrograms per liter

**Notes:**
**NA =** Not available; well paved over
**ND =** Not detected
**NDa =** Elevated reporting limit, see laboratory report for details
**NS =** Not sampled
**SPH =** Separate-phase hydrocarbons present; well not sampled
*** =** Not used in contouring

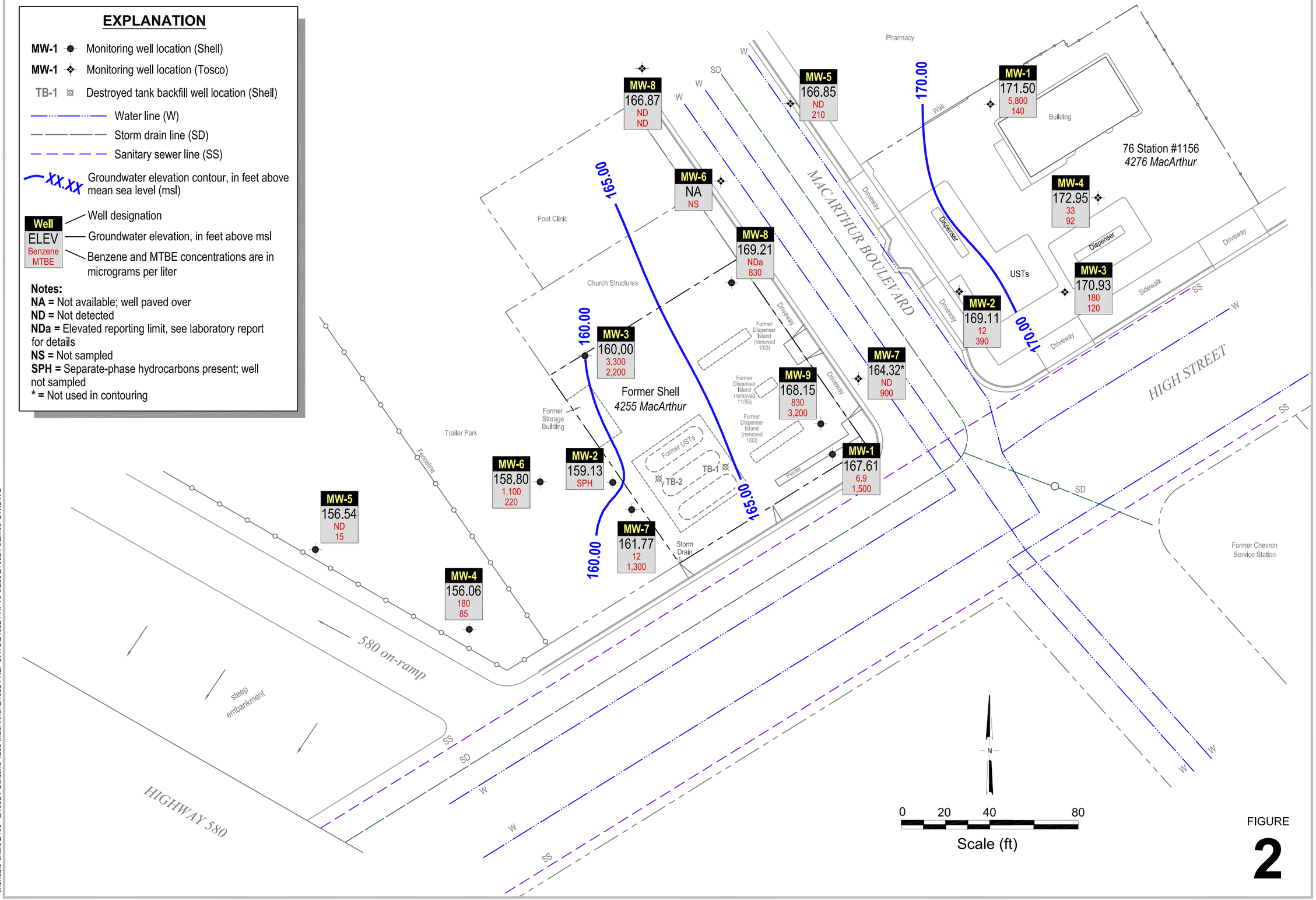



FIGURE
**2**

# Groundwater Contour and Chemical Concentration Map

July 23, 2009

CONESTOGA-ROVERS & ASSOCIATES

## Former Shell Service Station

4255 MacArthur Boulevard
Oakland, California

I:\Shell\6-chars\2405--\240524-Oakland 4255 MacArthur\240524-REPORTS\240524-RPT5-3Q09\240524 3QM09-GW.DWG

# APPENDIX A

# BLAINE TECH SERVICES, INC. - GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

August 11, 2009

Denis Brown
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

Third Quarter 2009 Groundwater Monitoring at
Former Shell-branded Service Station
4255 MacArthur Boulevard
Oakland, CA

Monitoring performed on July 23, 2009

Groundwater Monitoring Report **090723-FS-1**

This report covers the routine monitoring of groundwater wells at this former Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

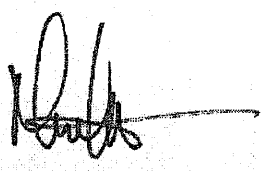
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,



Mike Ninokata
Project Manager

MN/np

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Anni Kreml
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

# WELL CONCENTRATIONS
## Former Shell-branded Service Station
## 4255 MacArthur Boulevard
## Oakland, CA

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | DIPE (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | Ethanol (ug/L) | TOC (MSL) | Depth to Water (ft.) | Depth to SPH (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) | DO Reading (ppm) | ORP Reading (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 11/17/1993 | 410 | 21 | 11 | 7.9 | 47 | NA | NA | NA | NA | NA | NA | NA | 175.79 | 8.59 | NA | 167.20 | NA | NA | NA |
| MW-1 | 01/20/1994 | 1,200 | 180 | 19 | 48 | 47 | NA | NA | NA | NA | NA | NA | NA | 175.79 | 8.22 | NA | 167.57 | NA | NA | NA |
| MW-1 | 04/25/1994 | 3,100 | 610 | <10 | 130 | 27 | NA | NA | NA | NA | NA | NA | NA | 175.79 | 7.63 | NA | 168.16 | NA | NA | NA |
| MW-1 | 07/07/1994 | 2,400 | 1,000 | 10 | 250 | 20 | NA | NA | NA | NA | NA | NA | NA | 175.79 | 8.31 | NA | 167.48 | NA | NA | NA |
| MW-1 | 10/27/1994 | 2,200 | 500 | 3.1 | 72 | 1.8 | NA | NA | NA | NA | NA | NA | NA | 175.79 | 8.84 | NA | 166.95 | NA | NA | NA |
| MW-1 | 11/17/1994 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 175.79 | 7.60 | NA | 168.19 | NA | NA | NA |
| MW-1 | 11/28/1994 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 175.79 | 7.56 | NA | 168.23 | NA | NA | NA |
| MW-1 | 01/13/1995 | 570 | 75 | 2.5 | 6.7 | 11 | NA | NA | NA | NA | NA | NA | NA | 175.79 | 7.11 | NA | 168.68 | NA | NA | NA |
| MW-1 | 04/12/1995 | 1,800 | 480 | <5.0 | 79 | <5.0 | NA | NA | NA | NA | NA | NA | NA | 175.79 | 7.08 | NA | 168.71 | NA | NA | NA |
| MW-1 | 07/25/1995 | 120 | 15 | 1.1 | 2.1 | 2.9 | NA | NA | NA | NA | NA | NA | NA | 175.79 | 7.73 | NA | 168.06 | NA | NA | NA |
| MW-1 (D) | 07/25/1995 | 300 | 88 | 2.4 | 11 | 6.5 | NA | NA | NA | NA | NA | NA | NA | 175.79 | 7.73 | NA | 168.06 | NA | NA | NA |
| MW-1 | 10/18/1995 | 130 | 9.5 | 0.8 | 1.3 | 1.7 | NA | NA | NA | NA | NA | NA | NA | 175.79 | 8.42 | NA | 167.37 | NA | NA | NA |
| MW-1 (D) | 10/18/1995 | 120 | 11 | 0.8 | 1.4 | 1.8 | NA | NA | NA | NA | NA | NA | NA | 175.79 | 8.42 | NA | 167.37 | NA | NA | NA |
| MW-1 | 01/17/1996 | 250 | 22 | 0.9 | 1.6 | 2.3 | NA | NA | NA | NA | NA | NA | NA | 175.79 | 7.83 | NA | 167.96 | NA | NA | NA |
| MW-1 | 04/25/1996 | <50 | 4.6 | <0.5 | <0.5 | 0.6 | 500b | NA | NA | NA | NA | NA | NA | 175.79 | 7.35 | NA | 168.44 | NA | NA | NA |
| MW-1 | 07/17/1996 | <250 | 15 | <2.5 | <2.5 | <2.5 | 540 | NA | NA | NA | NA | NA | NA | 175.79 | 7.70 | NA | 168.09 | NA | NA | NA |
| MW-1 | 10/01/1996 | 1,200 | 500 | 12 | 57 | 82 | 1,900 | NA | NA | NA | NA | NA | NA | 175.79 | 8.07 | NA | 167.72 | NA | NA | NA |
| MW-1 | 01/22/1997 | 640 | 170 | 4.3 | 33 | 33 | 1,200 | NA | NA | NA | NA | NA | NA | 175.79 | 7.21 | NA | 168.58 | NA | NA | NA |
| MW-1 | 04/08/1997 | <200 | 34 | <2.0 | 3.3 | 4.3 | 950 | NA | NA | NA | NA | NA | NA | 175.79 | 7.75 | NA | 168.04 | NA | NA | NA |
| MW-1 (D) | 04/08/1997 | <200 | 66 | <2.0 | 6.4 | 8 | 740 | NA | NA | NA | NA | NA | NA | 175.79 | 7.75 | NA | 168.04 | NA | NA | NA |
| MW-1 | 07/08/1997 | 190 | 49 | 1.2 | 5.8 | 8.6 | 560 | NA | NA | NA | NA | NA | NA | 175.79 | 8.01 | NA | 167.78 | NA | NA | NA |
| MW-1 | 10/08/1997 | <100 | 7 | <1.0 | <1.0 | <1.0 | 620 | NA | NA | NA | NA | NA | NA | 175.79 | 8.10 | NA | 167.69 | NA | NA | NA |
| MW-1 | 01/09/1998 | 970 | 390 | 12 | 48 | 71 | 1,200 | NA | NA | NA | NA | NA | NA | 175.79 | 7.14 | NA | 168.65 | NA | NA | NA |
| MW-1 | 04/13/1998 | <50 | 136 | <0.50 | 1.5 | 1.8 | 170 | NA | NA | NA | NA | NA | NA | 175.79 | 6.78 | NA | 169.01 | NA | NA | NA |
| MW-1 | 07/17/1998 | 2,500 | 750 | 11 | 88 | 67 | 150 | NA | NA | NA | NA | NA | NA | 175.79 | 7.28 | NA | 168.51 | NA | NA | NA |
| MW-1 | 10/02/1998 | 8,000 | 970 | 36 | 270 | 440 | 35 | NA | NA | NA | NA | NA | NA | 175.79 | 7.77 | NA | 168.02 | NA | NA | NA |
| MW-1 | 02/03/1999 | 210 | 56 | 0.82 | <0.50 | 3.2 | 220 | NA | NA | NA | NA | NA | NA | 175.79 | 7.45 | NA | 168.34 | NA | 1.4 | NA |
| MW-1 | 04/29/1999 | <50 | 4.5 | <0.50 | 0.56 | <0.50 | 140 | 196 | NA | NA | NA | NA | NA | 175.79 | 7.58 | NA | 168.21 | NA | 1.2 | 140 |
| MW-1 | 07/23/1999 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 120 | 111* | NA | NA | NA | NA | NA | 175.79 | 8.51 | NA | 167.28 | NA | 1.0 | NA |
| MW-1 | 11/01/1999 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 2.90 | NA | NA | NA | NA | NA | NA | 175.79 | 8.30 | NA | 167.49 | NA | 1.4 | -71 |
| MW-1 | 01/17/2000 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 3.30 | NA | NA | NA | NA | NA | NA | 175.79 | 8.04 | NA | 167.75 | NA | 16.9 | 64 |
| MW-1 | 04/17/2000 | <50.0 | 1.08 | <0.500 | <0.500 | <0.500 | <2.50 | NA | NA | NA | NA | NA | NA | 175.79 | 8.00 | NA | 167.79 | NA | 1.8 | 112 |
| MW-1 | 07/26/2000 | 125 | 54.3 | 2.16 | 5.45 | 9.86 | 33.1 | NA | NA | NA | NA | NA | NA | 175.79 | 7.52 | NA | 168.27 | NA | 13.2 | -140 |
| MW-1 | 10/12/2000 | 101 | 40.7 | 2.68 | 3.00 | 5.18 | 25.0 | NA | NA | NA | NA | NA | NA | 175.79 | 7.71 | NA | 168.08 | NA | >20 | 534 |
| MW-1 | 01/15/2001 | <50.0 | 0.633 | <0.500 | 0.505 | 1.74 | <2.50 | NA | NA | NA | NA | NA | NA | 175.79 | 7.33 | NA | 168.46 | NA | 16.9 | -127 |
| MW-1 | 04/09/2001 | <50.0 | <0.500 | <0.500 | <0.500 | 0.927 | <2.50 | NA | NA | NA | NA | NA | NA | 175.79 | 7.68 | NA | 168.11 | NA | 12.8 | -117 |
| MW-1 | 07/24/2001 | <50 | 4.0 | 0.65 | 0.53 | 1.3 | NA | <5.0 | NA | NA | NA | NA | NA | 175.79 | 8.00 | NA | 167.79 | NA | >20 | 43 |
| MW-1 | 10/31/2001 | <50 | 4.4 | <0.50 | <0.50 | 0.98 | NA | <5.0 | NA | NA | NA | NA | NA | 175.79 | 7.94 | NA | 167.85 | NA | 13.6 | 123 |

## WELL CONCENTRATIONS
## Former Shell-branded Service Station
## 4255 MacArthur Boulevard
## Oakland, CA

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | DIPE (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | Ethanol (ug/L) | TOC (MSL) | Depth to Water (ft.) | Depth to SPH (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) | DO Reading (ppm) | ORP Reading (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 01/10/2002 | <50 | 2.2 | <0.50 | <0.50 | 1.2 | NA | 6.1 | NA | NA | NA | NA | NA | 175.79 | 7.63 | NA | 168.16 | NA | 0.1 | 63 |
| MW-1 | 04/25/2002 | <50 | 2.0 | <0.50 | <0.50 | <0.50 | NA | <5.0 | NA | NA | NA | NA | NA | 175.79 | 7.76 | NA | 168.03 | NA | 0.3 | 54 |
| MW-1 | 07/18/2002 | <50 | 6.1 | <0.50 | <0.50 | 0.98 | NA | <5.0 | NA | NA | NA | NA | NA | 175.79 | 8.29 | NA | 167.50 | NA | 1.1 | 32 |
| MW-1 | 10/07/2002 | 500 | 17 | 14 | 11 | 60 | NA | 9.0 | NA | NA | NA | NA | NA | 175.76 | 8.34 | NA | 167.42 | NA | 2.8 | -26 |
| MW-1 | 01/06/2003 | <50 | 12 | <0.50 | 0.73 | 0.58 | NA | 14 | NA | NA | NA | NA | NA | 175.76 | 7.18 | NA | 168.58 | NA | 0.5 | -22 |
| MW-1 | 04/07/2003 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | NA | 12 | NA | NA | NA | <5.0 | NA | 175.76 | 7.75 | NA | 168.01 | NA | 0.7 | -24 |
| MW-1 | 07/07/2003 | <50 | 6.6 | <0.50 | <0.50 | <1.0 | NA | 8.1 | NA | NA | NA | <5.0 | NA | 175.76 | 7.75 | NA | 168.01 | NA | 0.5 | 16 |
| MW-1 | 10/09/2003 | <50 | 1.9 | <0.50 | <0.50 | <1.0 | NA | 22 | NA | NA | NA | <5.0 | NA | 175.76 | 8.45 | NA | 167.31 | NA | 0.7 | 80 |
| MW-1 | 01/14/2004 | <100 | 19 | <1.0 | <1.0 | <2.0 | NA | 180 | NA | NA | NA | 63 | NA | 175.76 | 7.45 | NA | 168.31 | NA | 0.8 | 242 |
| MW-1 | 04/28/2004 | <50 | 2.1 | <0.50 | <0.50 | <1.0 | NA | 110 | NA | NA | NA | 33 | NA | 175.76 | 8.25 | NA | 167.51 | NA | 0.5 | 64 |
| MW-1 | 07/12/2004 | <50 | 2.5 | <0.50 | <0.50 | <1.0 | NA | 120 | <2.0 | <2.0 | <2.0 | 26 | <50 | 175.76 | 6.20 | NA | 169.56 | NA | 0.5 | 72 |
| MW-1 | 10/25/2004 | <500 | <5.0 | <5.0 | <5.0 | <10 | NA | 550 | NA | NA | NA | 240 | NA | 175.76 | 7.98 | NA | 167.78 | NA | 3.15 | -72 |
| MW-1 | 01/17/2005 | <250 | 8.0 | <2.5 | <2.5 | <5.0 | NA | 500 | NA | NA | NA | 310 | NA | 175.76 | 7.42 | NA | 168.34 | NA | 0.2 | 9 |
| MW-1 | 04/06/2005 | <250 | <2.5 | <2.5 | <2.5 | <5.0 | NA | 230 | NA | NA | NA | 330* | NA | 175.76 | 8.15 | NA | 167.61 | NA | 2.49 | 143 |
| MW-1 | 07/08/2005 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | 380 | <0.50 | <0.50 | <0.50 | 510 | <5.0 | 175.76 | 7.45 | NA | 168.31 | NA | 1.1 | 12 |
| MW-1 | 10/07/2005 | <500 c | <5.0 | <5.0 | <5.0 | <10 | NA | 1,600 | NA | NA | NA | 1,600 | NA | 175.76 | 7.72 | NA | 168.04 | NA | NA | NA |
| MW-1 | 01/27/2006 | 1,720 | 6.92 | <0.500 | <0.500 | <0.500 | NA | 1,270 | NA | NA | NA | 1,380 | NA | 175.76 | 6.68 | NA | 169.08 | NA | NA | NA |
| MW-1 | 04/28/2006 | 2,420 | 6.90 | 1.19 | <0.500 | 0.980 | NA | 2,080 | NA | NA | NA | 1,870 | NA | 175.76 | 6.67 | NA | 169.09 | NA | NA | NA |
| MW-1 | 07/28/2006 | 3,230 | 2.06 | <0.500 | <0.500 | <0.500 | NA | 1,770 | <0.500 | <0.500 | 1.14 | 1,730 | <50.0 | 175.76 | 7.65 | NA | 168.11 | NA | NA | NA |
| MW-1 | 10/27/2006 | 1,020 | 3.22 | <0.500 | 1.72 | <0.500 | NA | 690 | NA | NA | NA | 884 | NA | 175.76 | 7.90 | NA | 167.86 | NA | NA | NA |
| MW-1 | 01/10/2007 | 1,100 | 3.0 | <0.50 | <0.50 | <1.0 | NA | 2,300 | NA | NA | NA | 2,900 | NA | 175.76 | 7.62 | NA | 168.14 | NA | NA | NA |
| MW-1 | 04/13/2007 | 620 g,h | 7.1 | 0.24 i | <1.0 | <1.0 | NA | 2,800 | NA | NA | NA | 3,600 | NA | 175.76 | 6.98 | NA | 168.78 | NA | NA | NA |
| MW-1 | 07/09/2007 | 960 g,h | 4.3 i | <20 | <20 | <20 | NA | 1,900 | <40 | <40 | <40 | 2,100 | <2,000 | 175.76 | 7.60 | NA | 168.16 | NA | NA | NA |
| MW-1 | 10/08/2007 | 590 g,h | 5.9 i | <20 | <20 | <20 | NA | 3,200 | NA | NA | NA | 2,200 | NA | 175.76 | 8.05 | NA | 167.71 | NA | NA | NA |
| MW-1 | 01/09/2008 | 470 g,h | 36 | <10 | <10 | <10 | NA | 660 | NA | NA | NA | 1,300 | NA | 175.76 | 6.99 | NA | 168.77 | NA | NA | NA |
| MW-1 | 04/04/2008 | 2,200 | <10 | <20 | <20 | <20 | NA | 2,000 | NA | NA | NA | 1,500 | NA | 175.76 | 6.94 | NA | 168.82 | NA | NA | NA |
| MW-1 | 07/03/2008 | 1,800 | <10 | <20 | <20 | <20 | NA | 1,800 | <40 | <40 | <40 | 3,400 | <2,000 | 175.76 | 8.03 | NA | 167.73 | NA | NA | NA |
| MW-1 | 10/03/2008 | 2,000 | <10 | <20 | <20 | <20 | NA | 2,000 | NA | NA | NA | 2,800 | NA | 175.76 | 8.58 | NA | 167.18 | NA | NA | NA |
| MW-1 | 01/22/2009 | 2,400 | 14 | <20 | <20 | <20 | NA | 1,600 | NA | NA | NA | 3,200 | NA | 175.76 | 8.15 | NA | 167.61 | NA | NA | NA |
| MW-1 | 04/13/2009 | 1,800 | <10 | <20 | <20 | <20 | NA | 970 | NA | NA | NA | 1,900 | NA | 175.76 | 2.13 | NA | 173.63 | NA | NA | NA |
| **MW-1** | **07/23/2009** | **1,800** | **6.9** | **<10** | **<10** | **<10** | **NA** | **1,500** | **<20** | **<20** | **<20** | **2,800** | **<1000** | **175.76** | **8.15** | **NA** | **167.61** | **NA** | **NA** | **NA** |
| MW-2 | 11/17/1993 | 31,000 | 9,400 | 4,600 | 1,000 | 3,900 | NA | NA | NA | NA | NA | NA | NA | 170.91 | 12.31 | NA | 158.60 | NA | NA | NA |
| MW-2 | 01/20/1994 | 40,000 | 6,900 | 5,600 | 780 | 4,100 | NA | NA | NA | NA | NA | NA | NA | 170.91 | 11.48 | NA | 159.43 | NA | NA | NA |
| MW-2 (D) | 01/20/1994 | 41,000 | 7,200 | 6,200 | 900 | 4,800 | NA | NA | NA | NA | NA | NA | NA | 170.91 | 11.48 | NA | 159.43 | NA | NA | NA |
| MW-2 | 04/25/1994 | 60,000 | 9,300 | 6,100 | 1,400 | 6,200 | NA | NA | NA | NA | NA | NA | NA | 170.91 | 10.84 | NA | 160.07 | NA | NA | NA |
| MW-2 | 07/07/1994 | 280,000a | 40,000 | 26,000 | 8,100 | 32,000 | NA | NA | NA | NA | NA | NA | NA | 170.91 | 11.89 | NA | 159.02 | NA | NA | NA |
| MW-2 (D) | 07/07/1994 | 53,000 | 13,000 | 6,600 | 2,000 | 8,400 | NA | NA | NA | NA | NA | NA | NA | 170.91 | 11.89 | NA | 159.02 | NA | NA | NA |
| MW-2 | 10/27/1994 | 130,000 | 14,000 | 12,000 | 2,400 | 13,000 | NA | NA | NA | NA | NA | NA | NA | 170.91 | 12.89 | NA | 158.02 | NA | NA | NA |

**WELL CONCENTRATIONS**
**Former Shell-branded Service Station**
**4255 MacArthur Boulevard**
**Oakland, CA**

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | DIPE (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | Ethanol (ug/L) | TOC (MSL) | Depth to Water (ft.) | Depth to SPH (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) | DO Reading (ppm) | ORP Reading (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 (D) | 10/27/1994 | 390,000 | 8,800 | 7,000 | 1,700 | 11,000 | NA | NA | NA | NA | NA | NA | NA | 170.91 | 12.89 | NA | 158.02 | NA | NA | NA |
| MW-2 | 11/17/1994 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 9.11 | NA | 161.80 | NA | NA | NA |
| MW-2 | 11/28/1994 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 9.22 | NA | 161.69 | NA | NA | NA |
| MW-2 | 01/13/1995 | 75,000 | 5,900 | 12,000 | 3,100 | 17,000 | NA | NA | NA | NA | NA | NA | NA | 170.91 | 8.10 | NA | 162.81 | NA | NA | NA |
| MW-2 | 04/12/1995 | 100,000 | 8,500 | 11,000 | 2,400 | 12,000 | NA | NA | NA | NA | NA | NA | NA | 170.91 | 10.12 | NA | 160.79 | NA | NA | NA |
| MW-2 (D) | 04/12/1995 | 80,000 | 4,200 | 9,300 | 2,500 | 12,000 | NA | NA | NA | NA | NA | NA | NA | 170.91 | 10.12 | NA | 160.79 | NA | NA | NA |
| MW-2 | 07/25/1995 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 11.53 | NA | 159.80 | 0.52 | NA | NA |
| MW-2 | 10/18/1995 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 14.02 | NA | 156.99 | 0.13 | NA | NA |
| MW-2 | 01/17/1996 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 10.27 | NA | 160.78 | 0.17 | NA | NA |
| MW-2 | 04/25/1996 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 11.68 | NA | 159.25 | 0.03 | NA | NA |
| MW-2 | 07/17/1996 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 12.78 | NA | 158.81 | 0.48 | NA | NA |
| MW-2 | 10/01/1996 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 14.21 | NA | 156.70 | 0.28 | NA | NA |
| MW-2 | 01/22/1997 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 10.92 | NA | 160.08 | 0.11 | NA | NA |
| MW-2 | 04/08/1997 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 14.12 | NA | 156.95 | 0.20 | NA | NA |
| MW-2 | 07/08/1997 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 14.98 | NA | 156.08 | 0.19 | NA | NA |
| MW-2 | 10/08/1997 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 12.97 | NA | 157.98 | 0.05 | NA | NA |
| MW-2 | 01/08/1998 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 12.54 | NA | 158.43 | 0.08 | NA | NA |
| MW-2 | 04/13/1998 | 180,000 | 2,800 | 5,200 | 2,400 | 13,000 | 71,000 | NA | NA | NA | NA | NA | NA | 170.91 | 10.05 | NA | 160.86 | NA | NA | NA |
| MW-2 | 07/17/1998 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 11.75 | NA | 159.24 | 0.10 | NA | NA |
| MW-2 | 10/02/1998 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 16.78 | NA | 154.22 | 0.11 | NA | NA |
| MW-2 | 02/03/1999 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 9.90 | 9.82 | 161.07 | 0.08 | NA | NA |
| MW-2 | 04/29/1999 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 9.86 | 9.81 | 161.09 | 0.05 | NA | NA |
| MW-2 | 07/23/1999 | 65,800 | 6,500 | 4,480 | 1,960 | 8,960 | 46,600 | 58,500* | NA | NA | NA | NA | NA | 170.91 | 14.45 | NA | 156.46 | NA | 1.4 | NA |
| MW-2 | 11/01/1999 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.91 | 11.84 | 11.81 | 159.09 | 0.03 | NA | NA |
| MW-2 | 01/17/2000 | 46,000 | 6,000 | 2,400 | 1,500 | 5,500 | 50,000 | 31,000 | NA | NA | NA | NA | NA | 170.91 | 11.00 | NA | 159.91 | NA | 1.3 | -54 |
| MW-2 | 04/17/2000 | 96,300 | 8,150 | 10,200 | 2,820 | 14,900 | 112,000 | 108,000 | NA | NA | NA | NA | NA | 170.91 | 11.06 | NA | 159.85 | NA | 2.6 | 125 |
| MW-2 | 07/26/2000 | 72,400 | 8,680 | 5,620 | 2,810 | 13,400 | 66,200 | 46,300 | NA | NA | NA | NA | NA | 170.91 | 12.82 | NA | 158.09 | NA | 2.2 | 113 |
| MW-2 | 10/12/2000 | 63,200 | 5,840 | 4,180 | 2,310 | 11,100 | 61,200 | 66,600 | NA | NA | NA | NA | NA | 170.91 | 11.32 | NA | 159.59 | NA | 0.4 | 55 |
| MW-2 | 01/15/2001 | 59,700 | 2,630 | 4,800 | 2,050 | 11,500 | 44,400 | 5,080 | NA | NA | NA | NA | NA | 170.91 | 10.19 | NA | 160.72 | NA | 1.1 | -22 |
| MW-2 | 04/09/2001 | 56,900 | 1,860 | 2,550 | 1,810 | 9,720 | 40,000 | 46,600 | NA | NA | NA | NA | NA | 170.91 | 11.15 | NA | 159.76 | NA | 1.0 | -55 |
| MW-2 | 07/24/2001 | 84,000 | 3,000 | 4,600 | 2,500 | 13,000 | NA | 41,000 | NA | NA | NA | NA | NA | 170.91 | 11.67 | NA | 159.24 | NA | 0.2 | 53 |
| MW-2 | 10/31/2001 | 45,000 | 2,200 | 3,000 | 1,500 | 7,700 | NA | 29,000 | <50 | <50 | <50 | 51,000 | <500 | 170.91 | 11.04 | NA | 159.87 | NA | 1.2 | -17 |
| MW-2 | 01/10/2002 | 28,000 | 840 | 740 | 760 | 3,300 | NA | 32,000 | NA | NA | NA | NA | NA | 170.91 | 9.58 | NA | 161.33 | NA | 2.1 | -76 |
| MW-2 | 04/25/2002 | 41,000 | 1,900 | 2,000 | 1,200 | 6,900 | NA | 17,000 | NA | NA | NA | NA | NA | 170.91 | 11.40 | NA | 159.51 | NA | 0.8 | -95 |
| MW-2 | 07/18/2002 | 87,000 | 2,000 | 2,200 | 1,400 | 10,000 | NA | 19,000 | NA | NA | NA | NA | NA | 170.91 | 12.68 | NA | 158.23 | NA | 0.7 | -34 |
| MW-2 | 10/07/2002 | 110,000 | 3,900 | 6,700 | 2,700 | 15,000 | NA | 20,000 | NA | NA | NA | NA | NA | 170.88 | 11.58 | NA | 159.30 | NA | 1.4 | -52 |
| MW-2 | 01/06/2003 | 65,000 | 2,400 | 3,500 | 1,400 | 8,600 | NA | 26,000 | NA | NA | NA | NA | NA | 170.88 | 9.09 | NA | 161.79 | NA | 0.4 | 40 |
| MW-2 | 04/07/2003 | 57,000 | 1,900 | 2,500 | 1,700 | 8,600 | NA | 37,000 | NA | NA | NA | 34,000 | NA | 170.88 | 11.08 | NA | 159.80 | NA | 1.0 | 60 |
| MW-2 | 07/07/2003 | 34,000 | 4,000 | 4,200 | 1,600 | 8,500 | NA | 51,000 | NA | NA | NA | 44,000 | NA | 170.88 | 11.27 | NA | 159.61 | NA | 1.3 | -17 |

**WELL CONCENTRATIONS**
**Former Shell-branded Service Station**
**4255 MacArthur Boulevard**
**Oakland, CA**

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | DIPE (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | Ethanol (ug/L) | TOC (MSL) | Depth to Water (ft.) | Depth to SPH (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) | DO Reading (ppm) | ORP Reading (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 10/09/2003 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 11.64 | 11.61 | 159.26 | 0.03 | NA | NA |
| MW-2 | 10/20/2003 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 11.88 | 11.84 | 159.03 | 0.04 | NA | NA |
| MW-2 | 01/14/2004 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 10.96 | 10.95 | 159.93 | 0.01 | NA | NA |
| MW-2 | 04/28/2004 | 35,000 | 2,200 | 2,200 | 2,300 | 8,200 | NA | 26,000 | NA | NA | NA | 28,000 | NA | 170.88 | 11.05 | NA | 159.83 | NA | 0.1 | -96 |
| MW-2 | 07/12/2004 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 12.12 | 12.09 | 158.78 | 0.03 | NA | NA |
| MW-2 | 10/25/2004 | 60,000 | 2,900 | 2,300 | 2,300 | 7,600 | NA | 27,000 | NA | NA | NA | 26,000 | NA | 170.88 | 11.23 | NA | 159.65 | NA | 1.62 | -69 |
| MW-2 | 01/17/2005 | 62,000 | 1,900 | 1,800 | 1,800 | 5,700 | NA | 22,000 | NA | NA | NA | 21,000 | NA | 170.88 | 8.78 | NA | 162.10 | NA | 0.8 | -102 |
| MW-2 | 04/06/2005 | 40,000 | 1,500 | 940 | 1,600 | 2,900 | NA | 23,000 | NA | NA | NA | 23,000 | NA | 170.88 | 9.23 | NA | 161.65 | NA | 0.60 | -104 |
| MW-2 | 07/08/2005 | 50,000 | 2,300 | 1,500 | 1,700 | 6,600 | NA | 24,000 | <150 | <150 | <150 | 25,000 | <1,500 | 170.88 | 10.99 | 10.97 | 159.91 | 0.02 | 0.01 | -41 |
| MW-2 | 10/07/2005 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 12.15 | 12.13 | 158.75 | 0.02 | NA | NA |
| MW-2 | 01/27/2006 | 56,800 | 1,270 | 1,280 | 1,520 | 5,370 | NA | 8,210 | NA | NA | NA | 10,600 | NA | 170.88 | 9.55 | NA | 161.33 | NA | NA | NA |
| MW-2 | 03/16/2006 | 82,100 | 1,230 | 1,310 | 1,350 | 4,630 | NA | 9,020 | NA | NA | NA | 9,690 | NA | 170.88 | 8.10 | NA | 162.78 | NA | NA | NA |
| MW-2 | 04/28/2006 | 81,400 | 1,200 | 1,610 | 1,660 | 5,580 | NA | 10,800 | NA | NA | NA | 11,100 | NA | 170.88 | 9.25 | NA | 161.63 | NA | NA | NA |
| MW-2 | 05/15/2006 | 119,000 | 2,210 | 3,800 | 2,330 | 8,900 | NA | 15,600 | NA | NA | NA | 12,200 | NA | 170.88 | 10.28 | NA | 160.60 | NA | NA | NA |
| MW-2 | 06/19/2006 | 121,000 | 1,680 | 3,830 | 2,990 | 12,400 | NA | 10,700 | NA | NA | NA | 9,310 | NA | 170.88 | 10.90 | NA | 159.98 | NA | NA | NA |
| MW-2 | 07/28/2006 | 172,000 | 3,590 | 3,450 | 2,840 | 8,210 | NA | 22,800 | <0.500 | <0.500 | <0.500 | 11,300 | <50.0 | 170.88 | 11.84 | NA | 159.04 | NA | NA | NA |
| MW-2 | 08/31/2006 | 91,200 | 1,590 | 3,710 | 2,570 | 11,700 | NA | 3,520 | NA | NA | NA | 3,940 | NA | 170.88 | 18.03 | NA | 152.85 | NA | NA | NA |
| MW-2 | 09/26/2006 | 50,000 | 2,300 | 1,300 | 1,600 | 6,700 | NA | 17,000 | NA | NA | NA | 19,000 | NA | 170.88 | 10.23 | NA | 160.65 | NA | NA | NA |
| MW-2 | 10/27/2006 | 159,000 | 5,200 | 3,890 | 2,600 | 12,500 | NA | 18,100 | NA | NA | NA | 9,230 d | NA | 170.88 | 12.11 | NA | 158.77 | NA | NA | NA |
| MW-2 | 11/22/2006 | 53,000 | 1,500 | 960 | 1,800 | 7,100 | NA | 9,600 | NA | NA | NA | 12,000 | NA | 170.88 | 11.35 | NA | 159.53 | NA | NA | NA |
| MW-2 | 12/26/2006 | Well inaccessible | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | NA | NA | NA | NA | NA | NA |
| MW-2 | 01/10/2007 | 45,000 | 2,700 | 1,700 | 1,400 | 5,800 | NA | 13,000 | NA | NA | NA | 11,000 | NA | 170.88 | 10.21 | NA | 160.67 | NA | NA | NA |
| MW-2 | 02/19/2007 | 13,000 | 1,800 | 1,900 | 1,500 | 5,900 | NA | 7,400 | NA | NA | NA | 11,000 | NA | 170.88 | 9.22 | NA | 161.66 | NA | NA | NA |
| MW-2 | 03/16/2007 | 52,000 | 2,600 | 2,300 | 2,000 | 7,300 | NA | 9,100 | NA | NA | NA | 12,000 | NA | 170.88 | 9.88 | NA | 161.00 | NA | NA | NA |
| MW-2 | 04/13/2007 | 60,000 g | 2,200 | 2,100 | 2,300 | 7,900 | NA | 13,000 | NA | NA | NA | 20,000 | NA | 170.88 | 10.61 | 10.59 | 160.29 | 0.02 | NA | NA |
| MW-2 | 07/09/2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 11.77 | 11.66 | 159.20 | 0.11 | NA | NA |
| MW-2 | 10/08/2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 12.70 | 12.51 | 158.33 | 0.19 | NA | NA |
| MW-2 | 11/19/2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 8.00 | NA | 162.88 | NA | NA | NA |
| MW-2 | 12/10/2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 6.49 | NA | 164.39 | NA | NA | NA |
| MW-2 | 01/09/2008 | Unable to access | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | NA | NA | NA | NA | NA | NA |
| MW-2 | 01/22/2008 | Unable to access | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | NA | NA | NA | NA | NA | NA |
| MW-2 | 02/21/2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 8.86 | NA | 162.02 | NA | NA | NA |
| MW-2 | 03/20/2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 10.24 | 10.22 | 160.66 | 0.02 | NA | NA |
| MW-2 | 04/04/2008 | Unable to access | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | NA | NA | NA | NA | NA | NA |
| MW-2 | 05/27/2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 12.44 | 12.41 | 158.46 | 0.03 | NA | NA |
| MW-2 | 06/11/2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 11.10 | 11.01 | 159.85 | 0.09 | NA | NA |
| MW-2 | 07/03/2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 11.62 | 11.76 | 159.37 | 0.14 | NA | NA |
| MW-2 | 08/04/2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 11.88 | 11.82 | 159.05 | 0.06 | NA | NA |
| MW-2 | 09/17/1998 | Unable to access | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | NA | NA | NA | NA | NA | NA |

## WELL CONCENTRATIONS
## Former Shell-branded Service Station
## 4255 MacArthur Boulevard
## Oakland, CA

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | DIPE (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | Ethanol (ug/L) | TOC (MSL) | Depth to Water (ft.) | Depth to SPH (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) | DO Reading (ppm) | ORP Reading (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 10/03/2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | 12.66 | 12.40 | 158.43 | 0.26 | NA | NA |
| MW-2 | 11/26/2008 | Unable to access | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | NA | NA | NA | NA | NA | NA |
| MW-2 | 12/30/2008 | Unable to access | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | NA | NA | NA | NA | NA | NA |
| MW-2 | 01/22/2009 | 86,000 | 3,800 | 1,600 | 2,500 | 9,800 | NA | 10,000 | NA | NA | NA | 7,900 | NA | 170.88 | 10.74 | NA | 160.14 | NA | NA | NA |
| MW-2 | 02/27/2009 | Unable to access | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.88 | NA | NA | NA | NA | NA | NA |
| MW-2 | 04/13/2009 | 60,000 | 1,700 | 980 | 2,000 | 7,000 | NA | 4,300 | NA | NA | NA | 4,600 | NA | 170.88 | 10.36 | 10.35 | 160.53 | 0.01 | NA | NA |
| **MW-2** | **07/23/2009** | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** | **170.88** | **11.91** | **11.71** | **159.13** | **0.20** | **NA** | **NA** |
| MW-3 | 11/17/1993 | 18,000 | 5,400 | 660 | 720 | 2,200 | NA | NA | NA | NA | NA | NA | NA | 174.61 | 15.40 | NA | 159.21 | NA | NA | NA |
| MW-3 | 01/20/1994 | 55,000 | 13,000 | 2,600 | 2,200 | 6,500 | NA | NA | NA | NA | NA | NA | NA | 174.61 | 14.61 | NA | 160.00 | NA | NA | NA |
| MW-3 | 04/25/1994 | 96,000 | 11,000 | 1,600 | 3,100 | 9,900 | NA | NA | NA | NA | NA | NA | NA | 174.61 | 13.12 | NA | 161.49 | NA | NA | NA |
| MW-3 (D) | 04/25/1994 | 78,000 | 12,000 | 1,900 | 2,600 | 7,300 | NA | NA | NA | NA | NA | NA | NA | 174.61 | 13.12 | NA | 161.49 | NA | NA | NA |
| MW-3 | 07/07/1994 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.61 | 14.54 | NA | 160.07 | 0.02 | NA | NA |
| MW-3 | 10/27/1994 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.61 | 15.62 | NA | 159.03 | 0.05 | NA | NA |
| MW-3 | 11/17/1994 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.61 | 13.83 | NA | 160.78 | NA | NA | NA |
| MW-3 | 11/28/1994 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.61 | 14.02 | NA | 160.59 | NA | NA | NA |
| MW-3 | 01/13/1995 | 180,000 | 3,200 | 2,700 | 1,700 | 5,200 | NA | NA | NA | NA | NA | NA | NA | 174.61 | 12.13 | NA | 162.48 | NA | NA | NA |
| MW-3 (D) | 01/13/1995 | 23,000 | 4,000 | 690 | 960 | 3,000 | NA | NA | NA | NA | NA | NA | NA | 174.61 | 12.13 | NA | 162.48 | NA | NA | NA |
| MW-3 | 04/12/1995 | 56,000 | 8,700 | 1,500 | 2,100 | 6,300 | NA | NA | NA | NA | NA | NA | NA | 174.61 | 12.96 | NA | 161.65 | NA | NA | NA |
| MW-3 | 07/25/1995 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.61 | 14.28 | NA | 160.38 | 0.06 | NA | NA |
| MW-3 | 10/18/1995 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.61 | 15.88 | NA | 158.77 | 0.05 | NA | NA |
| MW-3 | 01/17/1996 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.61 | 13.86 | NA | 160.94 | 0.24 | NA | NA |
| MW-3 | 04/25/1996 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.61 | 13.82 | NA | 160.81 | 0.02 | NA | NA |
| MW-3 | 07/17/1996 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.61 | 16.11 | NA | 158.52 | 0.03 | NA | NA |
| MW-3 | 10/01/1996 | 46,000 | 7,300 | 530 | 1,700 | 3,900 | 3,200 | NA | NA | NA | NA | NA | NA | 174.61 | 16.56 | NA | 158.05 | NA | NA | NA |
| MW-3 (D) | 10/01/1996 | 47,000 | 7,100 | 530 | 1,700 | 4,000 | 2,900 | NA | NA | NA | NA | NA | NA | 174.61 | 16.56 | NA | 158.05 | NA | NA | NA |
| MW-3 | 01/22/1997 | 82,000 | 5,200 | 1,300 | 2,800 | 8,900 | 1,100 | NA | NA | NA | NA | NA | NA | 174.61 | 13.07 | NA | 161.54 | NA | NA | NA |
| MW-3 (D) | 01/22/1997 | 61,000 | 8,400 | 1,100 | 2,300 | 7,000 | 2,700 | NA | NA | NA | NA | NA | NA | 174.61 | 13.07 | NA | 161.54 | NA | NA | NA |
| MW-3 | 04/08/1997 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.61 | 17.09 | NA | 157.54 | 0.03 | NA | NA |
| MW-3 | 07/08/1997 | 56,000 | 8,800 | 580 | 2,000 | 4,900 | 2,800 | NA | NA | NA | NA | NA | NA | 174.61 | 15.85 | NA | 158.76 | NA | NA | NA |
| MW-3 | 10/08/1997 | 48,000 | 8,000 | 590 | 1,700 | 3,400 | 5,100 | NA | NA | NA | NA | NA | NA | 174.61 | 16.22 | NA | 158.39 | NA | NA | NA |
| MW-3 | 01/08/1998 | 47,000 | 9,400 | 810 | 2,300 | 4,700 | 6,300 | NA | NA | NA | NA | NA | NA | 174.61 | 13.80 | NA | 160.81 | NA | NA | NA |
| MW-3 (D) | 01/08/1998 | 48,000 | 8,100 | 750 | 2,000 | 4,100 | 5,800 | NA | NA | NA | NA | NA | NA | 174.61 | 13.80 | NA | 160.81 | NA | NA | NA |
| MW-3 | 04/13/1998 | 32,000 | 6,800 | 540 | 1,400 | 3,400 | 4,000 | NA | NA | NA | NA | NA | NA | 174.61 | 12.97 | NA | 161.64 | NA | NA | NA |
| MW-3 (D) | 04/13/1998 | 36,000 | 7,300 | 660 | 1,600 | 3,700 | 4,000 | NA | NA | NA | NA | NA | NA | 174.61 | 12.97 | NA | 161.64 | NA | NA | NA |
| MW-3 | 07/17/1998 | 71,000 | 11,000 | 590 | 2,200 | 6,900 | 3,900 | NA | NA | NA | NA | NA | NA | 174.61 | 11.51 | NA | 163.10 | NA | NA | NA |
| MW-3 (D) | 07/17/1998 | 76,000 | 12,000 | 700 | 2,600 | 8,000 | 3,000 | NA | NA | NA | NA | NA | NA | 174.61 | 11.51 | NA | 163.10 | NA | NA | NA |
| MW-3 | 10/02/1998 | 66,000 | 8,900 | 510 | 2,000 | 4,900 | 4,600 | NA | NA | NA | NA | NA | NA | 174.61 | 16.50 | NA | 158.11 | NA | NA | NA |
| MW-3 (D) | 10/02/1998 | 59,000 | 9,400 | 460 | 2,000 | 4,900 | 4,700 | NA | NA | NA | NA | NA | NA | 174.61 | 16.50 | NA | 158.11 | NA | NA | NA |

## WELL CONCENTRATIONS
## Former Shell-branded Service Station
## 4255 MacArthur Boulevard
## Oakland, CA

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | DIPE (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | Ethanol (ug/L) | TOC (MSL) | Depth to Water (ft.) | Depth to SPH (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) | DO Reading (ppm) | ORP Reading (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 02/03/1999 | 36,000 | 6,800 | 300 | 1,600 | 2,900 | 18,000 | NA | NA | NA | NA | NA | NA | 174.61 | 15.21 | NA | 159.40 | NA | 1.3 | NA |
| MW-3 | 04/29/1999 | 45,000 | 8,100 | 580 | 2,200 | 5,800 | 4,700 | 5,150 | NA | NA | NA | NA | NA | 174.61 | 15.43 | NA | 159.18 | NA | 1.5 | -68 |
| MW-3 | 07/23/1999 | 29,400 | 3,540 | 215 | 810 | 3,800 | 4,720 | 6,950* | NA | NA | NA | NA | NA | 174.61 | 14.95 | NA | 159.66 | NA | 1.3 | NA |
| MW-3 | 11/01/1999 | 20,000 | 4,190 | 294 | 1,060 | 1,740 | 5,540 | 8,590 | NA | NA | NA | NA | NA | 174.61 | 14.66 | NA | 159.95 | NA | 0.6 | -110 |
| MW-3 | 01/17/2000 | 17,000 | 3,900 | 89 | 1,100 | 1,200 | 7,900 | NA | NA | NA | NA | NA | NA | 174.61 | 13.94 | NA | 160.67 | NA | 1.3 | -40 |
| MW-3 | 04/17/2000 | 28,100 | 5,240 | 247 | 1,540 | 2,750 | 16,600 | NA | NA | NA | NA | NA | NA | 174.61 | 14.00 | NA | 160.61 | NA | 1.1 | -86 |
| MW-3 | 07/26/2000 | 24,300 | 6,680 | 159 | 1,610 | 1,640 | 17,100 | NA | NA | NA | NA | NA | NA | 174.61 | 13.72 | NA | 160.89 | NA | 0.9 | -70 |
| MW-3 | 10/12/2000 | 14,300 | 2,630 | 86.7 | 241 | 1,360 | 16,300 | NA | NA | NA | NA | NA | NA | 174.61 | 14.15 | NA | 160.46 | NA | 0.9 | 50 |
| MW-3 | 01/15/2001 | 22,100 | 4,400 | 266 | 977 | 2,990 | 13,200 | NA | NA | NA | NA | NA | NA | 174.61 | 13.05 | NA | 161.56 | NA | 1.3 | -40 |
| MW-3 | 04/09/2001 | 33,800 | 7,100 | 147 | 1,700 | 2,660 | 13,000 | NA | NA | NA | NA | NA | NA | 174.61 | 13.59 | NA | 161.02 | NA | 0.6 | -56 |
| MW-3 | 07/24/2001 | 220,000 | 5,600 | 1,900 | 4,400 | 19,000 | NA | 12,000 | NA | NA | NA | NA | NA | 174.61 | 14.43 | NA | 160.18 | NA | 0.4 | 29 |
| MW-3 | 10/31/2001 | 65,000 | 2,700 | 510 | 1,800 | 7,200 | NA | 9,800 | <20 | <20 | <20 | 5,200 | <500 | 174.61 | 14.59 | NA | 160.02 | NA | 0.9 | -27 |
| MW-3 | 01/10/2002 | 66,000 | 2,400 | 490 | 1,700 | 6,600 | NA | 5,500 | NA | NA | NA | NA | NA | 174.61 | 12.65 | NA | 161.96 | NA | 1.7 | -76 |
| MW-3 | 04/25/2002 | 55,000 | 4,600 | 460 | 2,400 | 6,900 | NA | 8,100 | NA | NA | NA | NA | NA | 174.61 | 14.13 | NA | 160.48 | NA | 1.2 | -96 |
| MW-3 | 07/18/2002 | 56,000 | 3,300 | 270 | 1,700 | 5,000 | NA | 8,400 | NA | NA | NA | NA | NA | 174.61 | 15.48 | 15.45 | 159.15 | 0.03 | 0.8 | -41 |
| MW-3 | 10/07/2002 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 14.60 | 14.40 | 160.15 | 0.20 | NA | NA |
| MW-3 | 01/06/2003 | 57,000 | 3,200 | 330 | 1,800 | 5,400 | NA | 5,100 | NA | NA | NA | NA | NA | 174.59 | 11.62 | 11.60 | 162.99 | 0.02 | 0.4 | 33 |
| MW-3 | 04/07/2003 | 57,000 | 6,200 | 500 | 2,400 | 6,700 | NA | 8,200 | NA | NA | NA | 3,900 | NA | 174.59 | 13.80 | NA | 160.79 | NA | 0.5 | 61 |
| MW-3 | 07/07/2003 | 28,000 | 4,900 | 300 | 1,500 | 4,100 | NA | 7,900 | NA | NA | NA | 4,700 | NA | 174.59 | 14.00 | NA | 160.59 | NA | 1.0 | -11 |
| MW-3 | 10/09/2003 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 14.44 | 14.36 | 160.21 | 0.08 | NA | NA |
| MW-3 | 10/20/2003 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 14.68 | 14.61 | 159.97 | 0.07 | NA | NA |
| MW-3 | 01/14/2004 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 12.47 | 12.45 | 162.14 | 0.02 | NA | NA |
| MW-3 | 04/28/2004 | 32,000 | 7,300 | 190 | 2,100 | 4,300 | NA | 3,700 | NA | NA | NA | 2,500 | NA | 174.59 | 13.66 | NA | 160.93 | NA | 0.1 | -16 |
| MW-3 | 07/12/2004 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 14.87 | 14.83 | 159.75 | 0.04 | NA | NA |
| MW-3 | 10/25/2004 | 49,000 | 5,100 | 61 | 1,800 | 3,600 | NA | 5,400 | NA | NA | NA | 2,700 | NA | 174.59 | 14.12 | NA | 160.47 | NA | 2.70 | -59 |
| MW-3 | 01/17/2005 | 57,000 | 8,000 | 190 | 2,000 | 4,000 | NA | 4,600 | NA | NA | NA | 3,300 | NA | 174.59 | 10.59 | NA | 164.00 | NA | 0.2 | -18 |
| MW-3 | 04/06/2005 | 57,000 | 7,300 | 180 | 2,200 | 3,300 | NA | 4,100 | NA | NA | NA | 2,700 | NA | 174.59 | 10.58 | NA | 164.01 | NA | 0.95 | -77 |
| MW-3 | 07/08/2005 | 28,000 | 2,900 | 47 | 1,100 | 2,000 | NA | 2,800 | <20 | <20 | <20 | 1,900 | <200 | 174.59 | 13.46 | NA | 161.13 | NA | 0.1 | -51 |
| MW-3 | 10/07/2005 | 23,000 | 3,200 | 39 | 960 | 1,300 | NA | 2,600 | NA | NA | NA | 1,900 | NA | 174.59 | 14.76 | NA | 159.83 | NA | NA | NA |
| MW-3 | 01/27/2006 | 38,500 | 6,520 | 139 | 1,350 | 2,160 | NA | 1,940 | NA | NA | NA | 1,490 | NA | 174.59 | 11.69 | NA | 162.90 | NA | NA | NA |
| MW-3 | 03/16/2006 | 65,100 | 5,280 | 181 | 1,580 | 2,520 | NA | 2,410 | NA | NA | NA | 12,300 | NA | 174.59 | 10.08 | NA | 164.51 | NA | NA | NA |
| MW-3 | 04/28/2006 | <1000 | 4,330 | 157 | 1,480 | 2,690 | NA | 2,470 | NA | NA | NA | 1,520 | NA | 174.59 | 3.31 | NA | 171.28 | NA | NA | NA |
| MW-3 | 05/15/2006 | 69,600 | 6,100 | 159 | 1,690 | 2,640 | NA | 3,520 | NA | NA | NA | 1,720 | NA | 174.59 | 12.69 | NA | 161.90 | NA | NA | NA |
| MW-3 | 06/19/2006 | 103,000 | 5,070 | 117 | 2,210 | 3,950 | NA | 2,790 | NA | NA | NA | 1,080 | NA | 174.59 | 13.28 | NA | 161.31 | NA | NA | NA |
| MW-3 | 07/28/2006 | 86,600 | 4,890 | 85.7 | 1,570 | 2,250 | NA | 2,790 | 7.28 | <0.500 | <0.500 | 1,260 | <50.0 | 174.59 | 14.72 | NA | 159.87 | NA | NA | NA |
| MW-3 | 08/31/2006 | 45,700 | 4,600 | 204 | 1,740 | 2,680 | NA | 2,580 | NA | NA | NA | 1,520 | NA | 174.59 | 14.75 | NA | 159.84 | NA | NA | NA |
| MW-3 | 09/26/2006 | 29,000 | 3,900 | 76 | 1,500 | 2,100 | NA | 2,700 | NA | NA | NA | 1,500 | NA | 174.59 | 14.97 | NA | 159.62 | NA | NA | NA |
| MW-3 | 10/27/2006 | 41,000 | 3,690 | 65.2 | 1,210 | 1,650 | NA | 1,760 | NA | NA | NA | 867 d | NA | 174.59 | 15.00 | NA | 159.59 | NA | NA | NA |
| MW-3 | 11/22/2006 | 30,000 | 3,300 | 51 | 810 | 1,500 | NA | 1,900 | NA | NA | NA | 1,300 | NA | 174.59 | 14.26 | NA | 160.33 | NA | NA | NA |

## WELL CONCENTRATIONS
## Former Shell-branded Service Station
## 4255 MacArthur Boulevard
## Oakland, CA

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | DIPE (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | Ethanol (ug/L) | TOC (MSL) | Depth to Water (ft.) | Depth to SPH (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) | DO Reading (ppm) | ORP Reading (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 12/26/2006 | 31,000 | 2,500 | 56 | 1,100 | 1,500 | NA | 2,200 | NA | NA | NA | 2,000 | NA | 174.59 | 12.52 | NA | 162.07 | NA | NA | NA |
| MW-3 | 01/10/2007 | 18,000 | 2,600 | 43 | 750 | 940 | NA | 2,100 | NA | NA | NA | 2,100 | NA | 174.59 | 12.81 | NA | 161.78 | NA | NA | NA |
| MW-3 | 02/19/2007 | 27,000 | 3,800 | 110 | 1,200 | 1,500 | NA | 2,400 | NA | NA | NA | 3,200 | NA | 174.59 | 11.65 | NA | 162.94 | NA | NA | NA |
| MW-3 | 03/16/2007 | 25,000 | 4,000 | 80 | 1,300 | 1,500 | NA | 2,100 | NA | NA | NA | 2,400 | NA | 174.59 | 12.20 | NA | 162.39 | NA | NA | NA |
| MW-3 | 04/13/2007 | 30,000 g | 4,400 | 73 | 1,500 | 1,920 | NA | 2,800 | NA | NA | NA | 3,900 | NA | 174.59 | 13.37 | NA | 161.22 | NA | NA | NA |
| MW-3 | 07/09/2007 | 25,000 g | 3,800 | 57 | 1,400 | 1,456 | NA | 1,900 | <100 | <100 | <100 | 1,500 | <5,000 | 174.59 | 14.30 | NA | 160.29 | NA | NA | NA |
| MW-3 | 10/08/2007 | 20,000 g | 3,200 | 35 i | 1,300 | 1,124 i | NA | 1,700 | NA | NA | NA | 1,500 | NA | 174.59 | 15.19 | 15.18 | 159.41 | 0.01 | NA | NA |
| MW-3 | 11/19/2007 | Unable to access | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | NA | NA | NA | NA | NA | NA |
| MW-3 | 11/30/2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 14.07 | NA | 160.52 | NA | NA | NA |
| MW-3 | 12/10/2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 13.78 | NA | 160.81 | NA | NA | NA |
| MW-3 | 01/09/2008 | 33,000 g | 2,800 | 34 | 910 | 782 i | NA | 1,000 | NA | NA | NA | 1,100 | NA | 174.59 | 11.09 | NA | 163.50 | NA | NA | NA |
| MW-3 | 02/21/2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 12.22 | NA | 162.37 | NA | NA | NA |
| MW-3 | 03/20/2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 13.03 | NA | 161.56 | NA | NA | NA |
| MW-3 | 04/04/2008 | 24,000 | 3,300 | 55 | 1,100 | 844 | NA | 1,900 | NA | NA | NA | 1,200 | NA | 174.59 | 13.41 | NA | 161.18 | NA | NA | NA |
| MW-3 | 05/27/2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 20.49 | 20.48 | 154.11 | 0.01 | NA | NA |
| MW-3 | 06/11/2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 13.95 | 13.94 | 160.65 | 0.01 | NA | NA |
| MW-3 | 07/03/2008 | 33,000 | 3,800 | 38 | 1,500 | 1,200 | NA | 2,600 | <50 | <50 | <50 | 1,800 | <2,500 | 174.59 | 10.48 | 10.47 | 164.12 | 0.01 | NA | NA |
| MW-3 | 09/17/1998 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 14.76 | NA | 159.83 | 0.00 | NA | NA |
| MW-3 | 09/17/1998 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 14.95 | 14.94 | 159.65 | 0.01 | NA | NA |
| MW-3 | 10/03/2008 | 26,000 | 3,000 | 29 | 1,200 | 750 | NA | 1,700 | NA | NA | NA | 1,400 | NA | 174.59 | 15.32 | 15.31 | 159.28 | 0.01 | NA | NA |
| MW-3 | 11/26/2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 14.54 | NA | 160.05 | 0.00 | NA | NA |
| MW-3 | 12/30/2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 13.04 | NA | 161.55 | NA | NA | NA |
| MW-3 | 01/22/2009 | 27,000 | 2,300 | 29 | 880 | 610 | NA | 1,600 | NA | NA | NA | 1,700 | NA | 174.59 | 13.73 | NA | 160.86 | NA | NA | NA |
| MW-3 | 02/27/2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.59 | 12.88 | NA | 161.71 | NA | NA | NA |
| MW-3 | 04/13/2009 | 27,000 | 3,000 | 51 | 1,200 | 740 | NA | 1,400 | NA | NA | NA | 1,500 | NA | 174.59 | 13.01 | NA | 161.58 | NA | NA | NA |
| **MW-3** | **07/23/2009** | **26,000** | **3,300** | **41** | **1,600** | **1,200** | **NA** | **2,200** | **<50** | **<50** | **<50** | **1,600** | **<2500** | **174.59** | **14.59** | **NA** | **160.00** | **NA** | **NA** | **NA** |
| MW-4 | 11/17/1994 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 164.06 | 6.62 | NA | 157.44 | NA | NA | NA |
| MW-4 | 11/28/1994 | 2,900 | 200 | 17 | 76 | 260 | NA | NA | NA | NA | NA | NA | NA | 164.06 | 6.11 | NA | 157.95 | NA | NA | NA |
| MW-4 | 01/13/1995 | 1,900 | 130 | 5.6 | 13 | 40 | NA | NA | NA | NA | NA | NA | NA | 164.06 | 6.05 | NA | 158.01 | NA | NA | NA |
| MW-4 | 04/12/1995 | 680 | 150 | <2.0 | 10 | 13 | NA | NA | NA | NA | NA | NA | NA | 164.06 | 6.31 | NA | 157.75 | NA | NA | NA |
| MW-4 | 07/25/1995 | 340 | 100 | 0.8 | 8.8 | 3 | NA | NA | NA | NA | NA | NA | NA | 164.06 | 7.36 | NA | 156.70 | NA | NA | NA |
| MW-4 | 10/18/1995 | 150 | 31 | <0.5 | 3.5 | 0.8 | NA | NA | NA | NA | NA | NA | NA | 164.06 | 8.54 | NA | 155.52 | NA | NA | NA |
| MW-4 | 01/17/1996 | 290 | 14 | <0.5 | 1.8 | 0.8 | NA | NA | NA | NA | NA | NA | NA | 164.06 | 8.48 | NA | 155.58 | NA | NA | NA |
| MW-4 | 04/25/1996 | <500 | 65 | <5 | <5 | <5 | 1,700 | NA | NA | NA | NA | NA | NA | 164.06 | 7.40 | NA | 156.66 | NA | NA | NA |
| MW-4 (D) | 04/25/1996 | <500 | 66 | <5 | 8.7 | <5 | 1,500 | NA | NA | NA | NA | NA | NA | 164.06 | 7.40 | NA | 156.66 | NA | NA | NA |
| MW-4 | 07/17/1996 | <500 | 84 | <5.0 | 6.5 | <5.0 | 1,500 | NA | NA | NA | NA | NA | NA | 164.06 | 7.75 | NA | 156.31 | NA | NA | NA |
| MW-4 (D) | 07/17/1996 | <500 | 54 | <5.0 | <5.0 | <5.0 | 1,700 | 2,100 | NA | NA | NA | NA | NA | 164.06 | 7.75 | NA | 156.31 | NA | NA | NA |
| MW-4 | 10/01/1996 | <500 | 1.9 | <5.0 | <5.0 | <5.0 | 3,000 | NA | NA | NA | NA | NA | NA | 164.06 | 8.82 | NA | 155.24 | NA | NA | NA |

# WELL CONCENTRATIONS
## Former Shell-branded Service Station
## 4255 MacArthur Boulevard
## Oakland, CA

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | DIPE (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | Ethanol (ug/L) | TOC (MSL) | Depth to Water (ft.) | Depth to SPH (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) | DO Reading (ppm) | ORP Reading (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 01/22/1997 | 580 | 130 | <2.5 | 18 | 5.2 | 1,200 | NA | NA | NA | NA | NA | NA | 164.06 | 7.51 | NA | 156.55 | NA | NA | NA |
| MW-4 | 04/08/1997 | 770 | 200 | 7 | 26 | 55 | 1,500 | 8 | NA | NA | NA | NA | NA | 164.06 | 7.18 | NA | 156.88 | NA | NA | NA |
| MW-4 | 07/08/1997 | 570 | 78 | <5.0 | 14 | 11 | 1,200 | NA | NA | NA | NA | NA | NA | 164.06 | 9.00 | NA | 155.06 | NA | NA | NA |
| MW-4 (D) | 07/08/1997 | 640 | 81 | <5.0 | 16 | 19 | 1,600 | NA | NA | NA | NA | NA | NA | 164.06 | 9.00 | NA | 155.06 | NA | NA | NA |
| MW-4 | 10/08/1997 | <500 | 40 | <5.0 | 7.4 | 5.4 | 1,400 | NA | NA | NA | NA | NA | NA | 164.06 | 8.97 | NA | 155.09 | NA | NA | NA |
| MW-4 (D) | 10/08/1997 | <500 | 36 | <5.0 | 5.9 | <5.0 | 1,400 | NA | NA | NA | NA | NA | NA | 164.06 | 8.97 | NA | 155.09 | NA | NA | NA |
| MW-4 | 01/08/1998 | <1,000 | 55 | <10 | 13 | <10 | 2,000 | NA | NA | NA | NA | NA | NA | 164.06 | 7.90 | NA | 156.16 | NA | NA | NA |
| MW-4 | 04/13/1998 | 350 | 110 | 2.4 | 20 | 26 | <2.5 | NA | NA | NA | NA | NA | NA | 164.06 | 7.35 | NA | 156.71 | NA | NA | NA |
| MW-4 | 07/17/1998 | 210 | 66 | 0.78 | 5.4 | 9.8 | 1,700 | NA | NA | NA | NA | NA | NA | 164.06 | 6.95 | NA | 157.11 | NA | NA | NA |
| MW-4 | 10/02/1998 | <50 | 0.69 | <0.50 | <0.50 | <0.50 | 2,900 | NA | NA | NA | NA | NA | NA | 164.06 | 7.35 | NA | 156.71 | NA | NA | NA |
| MW-4 | 02/03/1999 | 560 | 120 | 2.5 | 29 | 34 | 6,800 | NA | NA | NA | NA | NA | NA | 164.06 | 7.71 | NA | 156.35 | NA | 0.9 | NA |
| MW-4 | 04/29/1999 | 390 | 80 | 1.9 | 13 | 19 | 7,000 | 8,360 | NA | NA | NA | NA | NA | 164.06 | 7.83 | NA | 156.23 | NA | 1.1 | -125 |
| MW-4 | 07/23/1999 | 460 | 93.6 | 8.40 | 25.2 | 28.8 | 3,760 | 6,000* | NA | NA | NA | NA | NA | 164.06 | 11.33 | NA | 152.73 | NA | 0.9 | NA |
| MW-4 | 11/01/1999 | 77.3 | 0.520 | <0.500 | <0.500 | <0.500 | 539 | NA | NA | NA | NA | NA | NA | 164.06 | 10.66 | NA | 153.40 | NA | 2.8 | 3 |
| MW-4 | 01/17/2000 | 160 | 27 | <0.50 | 12 | 6.3 | 12,000 | NA | NA | NA | NA | NA | NA | 164.06 | 10.15 | NA | 153.91 | NA | 3.9 | -17 |
| MW-4 | 04/17/2000 | <500 | 26 | 6.38 | 9.35 | 10.4 | 9,070 | NA | NA | NA | NA | NA | NA | 164.06 | 10.10 | NA | 153.96 | NA | 1.7 | -129 |
| MW-4 | 07/26/2000 | <500 | 22.7 | <5.00 | 7.59 | 6.96 | 7,660 | NA | NA | NA | NA | NA | NA | 164.06 | 10.09 | NA | 153.97 | NA | 1.4 | -137 |
| MW-4 | 10/12/2000 | 172 | 19.8 | <0.500 | 7.47 | 4.50 | 8,290 | NA | NA | NA | NA | NA | NA | 164.06 | 9.35 | NA | 154.71 | NA | 3.5 | 529 |
| MW-4 | 01/15/2001 | 53.6 | 1.50 | <0.500 | 2.45 | 1.80 | 9,260 | NA | NA | NA | NA | NA | NA | 164.06 | 8.77 | NA | 155.29 | NA | 2.3 | 53 |
| MW-4 | 04/09/2001 | <500 | <5.00 | <5.00 | <5.00 | 5.52 | 10,300 | NA | NA | NA | NA | NA | NA | 164.06 | 7.75 | NA | 156.31 | NA | 1.0 | -133 |
| MW-4 | 07/24/2001 | 58 | 3.8 | <0.50 | 3.2 | 2.9 | NA | 1,700 | NA | NA | NA | NA | NA | 164.06 | 10.07 | NA | 153.99 | NA | 0.5 | 106 |
| MW-4 | 10/31/2001 | <1,000 | <10 | <10 | <10 | <10 | NA | 7,400 | NA | NA | NA | NA | NA | 164.06 | 9.97 | NA | 154.09 | NA | 0.8 | 22 |
| MW-4 | 01/10/2002 | <2,000 | <20 | <20 | <20 | <20 | NA | 12,000 | NA | NA | NA | NA | NA | 164.06 | 8.53 | NA | 155.53 | NA | 8.9 | 224 |
| MW-4 | 04/25/2002 | <2,000 | <20 | <20 | <20 | <20 | NA | 7,900 | NA | NA | NA | NA | NA | 164.06 | 7.33 | NA | 156.73 | NA | 3.6 | -84 |
| MW-4 | 07/18/2002 | <2,000 | <20 | <20 | <20 | <20 | NA | 7,200 | NA | NA | NA | NA | NA | 164.06 | 9.05 | NA | 155.01 | NA | 1.7 | 120 |
| MW-4 | 10/07/2002 | <1,000 | <10 | <10 | <10 | <10 | NA | 3,300 | NA | NA | NA | NA | NA | 164.03 | 9.06 | NA | 154.97 | NA | 2.5 | 33 |
| MW-4 | 01/06/2003 | <500 | 21 | <5.0 | <5.0 | <5.0 | NA | 2,500 | NA | NA | NA | NA | NA | 164.03 | 7.09 | NA | 156.94 | NA | 0.5 | 55 |
| MW-4 | 04/07/2003 | <2,500 | <25 | <25 | <25 | <50 | NA | 1,700 | NA | NA | NA | 5,900 | NA | 164.03 | 8.26 | NA | 155.77 | NA | 1.2 | 69 |
| MW-4 | 07/07/2003 | <2,500 | <25 | <25 | <25 | <50 | NA | 860 | NA | NA | NA | 6,900 | NA | 164.03 | 8.92 | NA | 155.11 | NA | 0.5 | -3 |
| MW-4 | 10/09/2003 | <500 | <5.0 | <5.0 | <5.0 | <10 | NA | 420 | NA | NA | NA | 6,700 | NA | 164.03 | 8.91 | NA | 155.12 | NA | 0.7 | 171 |
| MW-4 | 01/14/2004 | <1,000 | 24 | <10 | <10 | <20 | NA | 500 | NA | NA | NA | 7,200 | NA | 164.03 | 8.34 | NA | 155.69 | NA | 1.2 | 140 |
| MW-4 | 04/28/2004 | <500 | 6.0 | <5.0 | <5.0 | <10 | NA | 310 | NA | NA | NA | 5,200 | NA | 164.03 | 7.55 | NA | 156.48 | NA | 0.4 | 69 |
| MW-4 | 07/12/2004 | <500 | 11 | <5.0 | 7.8 | <10 | NA | 370 | <20 | <20 | <20 | 5,900 | <500 | 164.03 | 8.12 | NA | 155.91 | NA | 0.5 | 142 |
| MW-4 | 10/25/2004 | <500 | <5.0 | <5.0 | 5.6 | <10 | NA | 280 | NA | NA | NA | 4,300 | NA | 164.03 | 7.85 | NA | 156.18 | NA | 1.90 | -70 |
| MW-4 | 01/17/2005 | <1,000 | 56 | <10 | 10 | <20 | NA | 380 | NA | NA | NA | 8,400 | NA | 164.03 | 6.08 | NA | 157.95 | NA | 0.4 | 6 |
| MW-4 | 04/06/2005 | <1,000 | 52 | <10 | 11 | <20 | NA | 450 | NA | NA | NA | 12,000 | NA | 164.03 | 8.10 | NA | 155.93 | NA | 0.49 | 11 |
| MW-4 | 07/08/2005 | <400 | 30 | <4.0 | 6.0 | <4.0 | NA | 250 | <4.0 | <4.0 | <4.0 | 9,600 | <40 | 164.03 | 7.50 | NA | 156.53 | NA | 0.6 | 71 |
| MW-4 | 07/08/2005 | <400 | 30 | <4.0 | 6.0 | <4.0 | NA | 250 | <4.0 | <4.0 | <4.0 | 9,600 | <40 | 164.03 | 7.50 | NA | 156.53 | NA | 0.6 | 71 |
| MW-4 | 10/07/2005 | <1,000 | <10 | <10 | <10 | <20 | NA | 200 | NA | NA | NA | 8,900 | NA | 164.03 | 8.30 | NA | 155.73 | NA | NA | NA |

## WELL CONCENTRATIONS
## Former Shell-branded Service Station
## 4255 MacArthur Boulevard
## Oakland, CA

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | DIPE (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | Ethanol (ug/L) | TOC (MSL) | Depth to Water (ft.) | Depth to SPH (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) | DO Reading (ppm) | ORP Reading (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 01/27/2006 | 1,140 | 34.3 | 2.37 | 8.69 | 12.0 | NA | 198 | NA | NA | NA | 32,100 | NA | 164.03 | 8.55 | NA | 155.48 | NA | NA | NA |
| MW-4 | 04/28/2006 | 1,490 | 46.8 | 2.80 | 21.2 | 24.8 | NA | 344 | NA | NA | NA | 14,800 | NA | 164.03 | 9.02 | NA | 155.01 | NA | NA | NA |
| MW-4 | 07/28/2006 | 951 | 5.09 | <0.500 | <0.500 | <0.500 | NA | 169 | 1.57 | <0.500 | <0.500 | 4,830 | <50.0 | 164.03 | 9.19 | NA | 154.84 | NA | NA | NA |
| MW-4 | 10/27/2006 | 1,620 | 21.5 | 2.65 | 13.2 | 10.3 | NA | 173 | NA | NA | NA | 5,150 | NA | 164.03 | 9.01 | NA | 155.02 | NA | NA | NA |
| MW-4 | 01/10/2007 | 740 | 56 | 2.4 | 23 | 24 | NA | 190 | NA | NA | NA | 7,500 f | NA | 164.03 | 6.95 | NA | 157.08 | NA | NA | NA |
| MW-4 | 04/13/2007 | 1,500 g | 130 | 20 | 100 | 138 | NA | 120 | NA | NA | NA | 6,300 | NA | 164.03 | 7.51 | NA | 156.52 | NA | NA | NA |
| MW-4 | 07/09/2007 | 650 g | 65 | 5.3 i | 36 | 33.2 i | NA | 130 | <20 | <20 | <20 | 6,000 | <1,000 | 164.03 | 7.85 | NA | 156.18 | NA | NA | NA |
| MW-4 | 10/08/2007 | 840 g | 100 | 23 | 70 | 120 | NA | 120 | NA | NA | NA | 5,300 | NA | 164.03 | 8.50 | NA | 155.53 | NA | NA | NA |
| MW-4 | 01/09/2008 | 2,200 g | 130 | 38 | 130 | 264 | NA | 160 | NA | NA | NA | 5,400 | NA | 164.03 | 8.33 | NA | 155.70 | NA | NA | NA |
| MW-4 | 04/04/2008 | 1,700 | 93 | 24 | 74 | 145 | NA | 110 | NA | NA | NA | 3,700 | NA | 164.03 | 6.63 | NA | 157.40 | NA | NA | NA |
| MW-4 | 07/03/2008 | 1,400 | 87 | 15 | 54 | 109 | NA | 88 | <20 | <20 | <20 | 3,900 | <1,000 | 164.03 | 8.25 | NA | 155.78 | NA | NA | NA |
| MW-4 | 10/03/2008 | 1,000 | 61 | 12 | 41 | 78 | NA | 84 | NA | NA | NA | 3,700 | NA | 164.03 | 8.54 | NA | 155.49 | NA | NA | NA |
| MW-4 | 01/22/2009 | 800 | 26 | 5.4 | 14 | 26 | NA | 81 | NA | NA | NA | 4,100 | NA | 164.03 | 7.40 | NA | 156.63 | NA | NA | NA |
| MW-4 | 04/13/2009 | 2,000 | 100 | 26 | 64 | 130 | NA | 69 | NA | NA | NA | 3,200 | NA | 164.03 | 6.91 | NA | 157.12 | NA | NA | NA |
| **MW-4** | **07/23/2009** | **1,500** | **180** | **54** | **86** | **200** | **NA** | **85** | **<10** | **<10** | **<10** | **2,500** | **<500** | **164.03** | **7.97** | **NA** | **156.06** | **NA** | **NA** | **NA** |
| MW-5 | 01/04/2002 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 5.62 | NA | NA | NA | NA | NA |
| MW-5 | 01/10/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | 110 | NA | NA | NA | NA | NA | 164.06 | 5.88 | NA | 158.18 | NA | 3.3 | 172 |
| MW-5 | 04/25/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | 73 | NA | NA | NA | NA | NA | 164.06 | 6.81 | NA | 157.25 | NA | 0.3 | -44 |
| MW-5 | 07/18/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | 75 | NA | NA | NA | NA | NA | 164.06 | 7.38 | NA | 156.68 | NA | 0.4 | 170 |
| MW-5 | 10/07/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | 41 | NA | NA | NA | NA | NA | 164.14 | 6.75 | NA | 157.39 | NA | 1.5 | 16 |
| MW-5 | 01/06/2003 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | 81 | NA | NA | NA | NA | NA | 164.14 | 5.96 | NA | 158.18 | NA | 0.6 | 166 |
| MW-5 | 04/07/2003 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | NA | 77 | NA | NA | NA | 28 | NA | 164.14 | 6.51 | NA | 157.63 | NA | 0.8 | 174 |
| MW-5 | 07/07/2003 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | NA | 32 | NA | NA | NA | 23 | NA | 164.14 | 6.44 | NA | 157.70 | NA | 0.3 | -17 |
| MW-5 | 10/09/2003 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | NA | 59 | NA | NA | NA | 40 | NA | 164.14 | 7.05 | NA | 157.09 | NA | 0.9 | 17 |
| MW-5 | 01/14/2004 | <50 | <0.50 | 0.76 | <0.50 | <1.0 | NA | 47 | NA | NA | NA | 17 | NA | 164.14 | 6.29 | NA | 157.85 | NA | 1.6 | 209 |
| MW-5 | 04/28/2004 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | NA | 31 | NA | NA | NA | 11 | NA | 164.14 | 6.84 | NA | 157.30 | NA | 0.4 | 136 |
| MW-5 | 07/12/2004 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | NA | 47 | <2.0 | <2.0 | <2.0 | 12 | <50 | 164.14 | 7.57 | NA | 156.57 | NA | 0.4 | 90 |
| MW-5 | 10/25/2004 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | NA | 41 | NA | NA | NA | 13 | NA | 164.14 | 6.50 | NA | 157.64 | NA | 1.74 | -21 |
| MW-5 | 01/17/2005 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | NA | 41 | NA | NA | NA | 12 | NA | 164.14 | 5.83 | NA | 158.31 | NA | 0.1 | -7 |
| MW-5 | 04/06/2005 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | NA | 12 | NA | NA | NA | <5.0 | NA | 164.14 | 5.91 | NA | 158.23 | NA | 1.05 | -62 |
| MW-5 | 07/08/2005 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | 26 | <0.50 | <0.50 | <0.50 | 18 | <5.0 | 164.14 | 6.78 | NA | 157.36 | NA | 1.2 | 81 |
| MW-5 | 10/07/2005 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | NA | 28 | NA | NA | NA | 24 | NA | 164.14 | 7.64 | NA | 156.50 | NA | NA | NA |
| MW-5 | 01/27/2006 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | NA | 26.7 | NA | NA | NA | 46.3 | NA | 164.14 | 6.21 | NA | 157.93 | NA | NA | NA |
| MW-5 | 04/28/2006 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | NA | 39.1 | NA | NA | NA | 15.0 | NA | 164.14 | 6.05 | NA | 158.09 | NA | NA | NA |
| MW-5 | 07/28/2006 | 103 | <0.500 | <0.500 | <0.500 | <0.500 | NA | 35.5 | <0.500 | <0.500 | <0.500 | <10.0 | <50.0 | 164.14 | 7.54 | NA | 156.60 | NA | NA | NA |
| MW-5 | 10/27/2006 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | NA | 19.7 | NA | NA | NA | 26.0 d | NA | 164.14 | 7.91 | NA | 156.23 | NA | NA | NA |
| MW-5 | 01/10/2007 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | NA | 11 | NA | NA | NA | 16 | NA | 164.14 | 6.38 | NA | 157.76 | NA | NA | NA |
| MW-5 | 04/13/2007 | 76 g,h | <0.50 | <1.0 | <1.0 | <1.0 | NA | 35 | NA | NA | NA | 37 | NA | 164.14 | 6.58 | NA | 157.56 | NA | NA | NA |

## WELL CONCENTRATIONS
## Former Shell-branded Service Station
## 4255 MacArthur Boulevard
## Oakland, CA

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | DIPE (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | Ethanol (ug/L) | TOC (MSL) | Depth to Water (ft.) | Depth to SPH (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) | DO Reading (ppm) | ORP Reading (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 | 07/09/2007 | <50 g | <0.50 | <1.0 | <1.0 | <1.0 | NA | 26 | <2.0 | <2.0 | <2.0 | 34 | <100 | 164.14 | 7.28 | NA | 156.86 | NA | NA | NA |
| MW-5 | 10/08/2007 | <50 g | <0.50 | <1.0 | <1.0 | <1.0 | NA | 25 | NA | NA | NA | 28 | NA | 164.14 | 8.01 | NA | 156.13 | NA | NA | NA |
| MW-5 | 01/09/2008 | <50 g | 0.15 i | <1.0 | <1.0 | <1.0 | NA | 11 | NA | NA | NA | 7.6 i | NA | 164.14 | 5.45 | NA | 158.69 | NA | NA | NA |
| MW-5 | 04/04/2008 | 50 | <0.50 | <1.0 | <1.0 | <1.0 | NA | 17 | NA | NA | NA | <10 | NA | 164.14 | 6.61 | NA | 157.53 | NA | NA | NA |
| MW-5 | 07/03/2008 | <50 | <0.50 | <1.0 | <1.0 | <1.0 | NA | 16 | <2.0 | <2.0 | <2.0 | 11 | <100 | 164.14 | 7.40 | NA | 156.74 | NA | NA | NA |
| MW-5 | 10/03/2008 | <50 | <0.50 | <1.0 | <1.0 | <1.0 | NA | 17 | NA | NA | NA | 14 | NA | 164.14 | 7.90 | NA | 156.24 | NA | NA | NA |
| MW-5 | 01/22/2009 | <50 | <0.50 | <1.0 | <1.0 | <1.0 | NA | 9.2 | NA | NA | NA | <10 | NA | 164.14 | 6.30 | NA | 157.84 | NA | NA | NA |
| MW-5 | 04/13/2009 | <50 | <0.50 | <1.0 | <1.0 | <1.0 | NA | 8.4 | NA | NA | NA | <10 | NA | 164.14 | 6.42 | NA | 157.72 | NA | NA | NA |
| **MW-5** | **07/23/2009** | **<50** | **<0.50** | **<1.0** | **<1.0** | **<1.0** | **NA** | **15** | **<2.0** | **<2.0** | **<2.0** | **<10** | **<100** | **164.14** | **7.60** | **NA** | **156.54** | **NA** | **NA** | **NA** |
| MW-6 | 06/26/2006 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 169.89 | 10.25 | NA | 159.64 | NA | NA | NA |
| MW-6 | 07/28/2006 | 19,200 | 1,290 | 41.7 | 141 | 245 | NA | 777 | 3.37 | <0.500 | <0.500 | 8,340 | <50.0 | 169.89 | 11.00 | NA | 158.89 | NA | NA | NA |
| MW-6 | 10/27/2006 | 11,400 | 1,250 | 41.0 | 155 | 242 | NA | 569 | NA | NA | NA | 7,270 | NA | 169.89 | 11.41 | NA | 158.48 | NA | NA | NA |
| MW-6 | 01/10/2007 | 7,000 | 1,000 | 26 | 270 | 240 | NA | 770 | NA | NA | NA | 17,000 | NA | 169.89 | 9.43 | NA | 160.46 | NA | NA | NA |
| MW-6 | 04/13/2007 | 4,200 g | 820 | 22 | 72 | 71 | NA | 490 | NA | NA | NA | 9,500 | NA | 169.89 | 9.81 | NA | 160.08 | NA | NA | NA |
| MW-6 | 07/09/2007 | 6,100 g | 960 | 23 | 65 | 116 | NA | 280 | <40 | <40 | <40 | 8,400 | <2,000 | 169.89 | 10.80 | NA | 159.09 | NA | NA | NA |
| MW-6 | 10/08/2007 | 3,600 g | 960 | 17 i | 27 | 76 i | NA | 260 | NA | NA | NA | 7,000 | NA | 169.89 | 11.64 | NA | 158.25 | NA | NA | NA |
| MW-6 | 01/09/2008 | Unable to access | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | 169.89 | NA | NA | NA | NA | NA | NA |
| MW-6 | 01/22/2008 | 4,100 g | 610 | 14 i | 31 | 19 i | NA | 180 | NA | NA | NA | 7,700 | NA | 169.89 | 8.81 | NA | 161.08 | NA | NA | NA |
| MW-6 | 04/04/2008 | 6,100 | 760 | <20 | 20 | 29 | NA | 240 | NA | NA | NA | 6,900 | NA | 169.89 | 10.01 | NA | 159.88 | NA | NA | NA |
| MW-6 | 07/03/2008 | 7,100 | 1,100 | <20 | 25 | 50 | NA | 220 | <40 | <40 | <40 | 9,400 | <2,000 | 169.89 | 10.94 | NA | 158.95 | NA | NA | NA |
| MW-6 | 10/03/2008 | 7,400 | 1,000 | <20 | <20 | 116 | NA | 270 | NA | NA | NA | 8,400 | NA | 169.89 | 11.87 | NA | 158.02 | NA | NA | NA |
| MW-6 | 01/22/2009 | Unable to access | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 169.89 | NA | NA | NA | NA | NA | NA |
| MW-6 | 04/13/2009 | 5,300 | 690 | <20 | 35 | 47 | NA | 210 | NA | NA | NA | 9,000 | NA | 169.89 | 9.70 | NA | 160.19 | NA | NA | NA |
| **MW-6** | **07/23/2009** | **6,800** | **1,100** | **<20** | **<20** | **42** | **NA** | **220** | **<40** | **<40** | **<40** | **7,400** | **<2000** | **169.89** | **11.09** | **NA** | **158.80** | **NA** | **NA** | **NA** |
| MW-7 | 06/26/2006 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.87 | 9.59 | NA | 161.28 | NA | NA | NA |
| MW-7 | 07/28/2006 | 5,860 | 72.0 | 6.67 | 25.4 | 165 | NA | 3,940 | <0.500 | <0.500 | 2.89 | 1,420 | <50.0 | 170.87 | 10.08 | NA | 160.79 | NA | NA | NA |
| MW-7 | 10/27/2006 | 1,180 | 8.67 | <0.500 | 2.48 | 7.52 | NA | 1,100 | NA | NA | NA | 184 | NA | 170.87 | 10.13 | NA | 160.74 | NA | NA | NA |
| MW-7 | 01/10/2007 | 1,000 | 12 | <5.0 | <5.0 | <10 | NA | 2,200 f | NA | NA | NA | 2,400 | NA | 170.87 | 8.41 | NA | 162.46 | NA | NA | NA |
| MW-7 | 04/13/2007 | 1,100 g,h | 54 | <20 | 18 i | 23.5 i | NA | 2,500 | NA | NA | NA | 3,800 | NA | 170.87 | 8.25 | NA | 162.62 | NA | NA | NA |
| MW-7 | 07/09/2007 | 1,100 g | 41 | <20 | 8.8 i | 4.5 i | NA | 2,000 | <40 | <40 | <40 | 1,200 | <2,000 | 170.87 | 9.22 | NA | 161.65 | NA | NA | NA |
| MW-7 | 10/08/2007 | 400 g | 25 | <20 | <20 | <20 | NA | 1,500 | NA | NA | NA | 740 | NA | 170.87 | 9.41 | NA | 161.46 | NA | NA | NA |
| MW-7 | 01/09/2008 | Unable to access | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.87 | NA | NA | NA | NA | NA | NA |
| MW-7 | 01/22/2008 | 160 g | 32 | <10 | <10 | <10 | NA | 1,900 | NA | NA | NA | 820 | NA | 170.87 | 7.63 | NA | 163.24 | NA | NA | NA |
| MW-7 | 04/04/2008 | Unable to access | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170.87 | NA | NA | NA | NA | NA | NA |
| MW-7 | 07/03/2008 | 1,500 | 11 | <10 | <10 | <10 | NA | 1,700 | <20 | <20 | <20 | 680 | <1,000 | 170.87 | 8.96 | NA | 161.91 | NA | NA | NA |
| MW-7 | 10/03/2008 | 1,000 | 5.6 | <10 | <10 | <10 | NA | 970 | NA | NA | NA | 550 | NA | 170.87 | 9.57 | NA | 161.30 | NA | NA | NA |
| MW-7 | 01/22/2009 | 880 | <5.0 | <10 | <10 | 18 | NA | 550 | NA | NA | NA | 250 | NA | 170.87 | 8.60 | NA | 162.27 | NA | NA | NA |

## WELL CONCENTRATIONS
## Former Shell-branded Service Station
## 4255 MacArthur Boulevard
## Oakland, CA

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | DIPE (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | Ethanol (ug/L) | TOC (MSL) | Depth to Water (ft.) | Depth to SPH (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) | DO Reading (ppm) | ORP Reading (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-7 | 04/13/2009 | 1,400 | 15 | <10 | <10 | <10 | NA | 820 | NA | NA | NA | 440 | NA | 170.87 | 8.24 | NA | 162.63 | NA | NA | NA |
| **MW-7** | **07/23/2009** | **1,400** | **12** | **<10** | **<10** | **<10** | **NA** | **1,300** | **<20** | **<20** | **<20** | **550** | **<1000** | **170.87** | **9.10** | **NA** | **161.77** | **NA** | **NA** | **NA** |
| MW-8 | 06/26/2006 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 174.13 | 4.53 | NA | 169.60 | NA | NA | NA |
| MW-8 | 07/28/2006 | 2,300 | <0.500 | <0.500 | <0.500 | <0.500 | NA | 1,380 | <0.500 | <0.500 | 0.950 | <10.0 | <50.0 | 174.13 | 4.55 | NA | 169.58 | NA | NA | NA |
| MW-8 | 10/27/2006 | 1,570 | 2.79 e | <0.500 | <0.500 | <0.500 | NA | 1,280 e | NA | NA | NA | <10.0 | NA | 174.13 | 4.87 | NA | 169.26 | NA | NA | NA |
| MW-8 | 01/10/2007 | 540 | <2.5 | <2.5 | <2.5 | <5.0 | NA | 1,200 f | NA | NA | NA | 750 | NA | 174.13 | 4.17 | NA | 169.96 | NA | NA | NA |
| MW-8 | 04/13/2007 | 450 g,h | <5.0 | <10 | <10 | <10 | NA | 1,400 | NA | NA | NA | <100 | NA | 174.13 | 4.13 | NA | 170.00 | NA | NA | NA |
| MW-8 | 07/09/2007 | 590 g | <5.0 | <10 | <10 | <10 | NA | 1,000 | <20 | <20 | <20 | <100 | <1,000 | 174.13 | 6.33 | NA | 167.80 | NA | NA | NA |
| MW-8 | 10/08/2007 | 270 g,h | <5.0 | <10 | <10 | <10 | NA | 1,200 | NA | NA | NA | <100 | NA | 174.13 | 5.63 | NA | 168.50 | NA | NA | NA |
| MW-8 | 01/09/2008 | 200 g,h | <2.5 | <5.0 | <5.0 | <5.0 | NA | 370 | NA | NA | NA | <50 | NA | 174.13 | 4.17 | NA | 169.96 | NA | NA | NA |
| MW-8 | 04/04/2008 | 1,000 | <5.0 | <10 | <10 | <10 | NA | 930 | NA | NA | NA | <100 | NA | 174.13 | 4.36 | NA | 169.77 | NA | NA | NA |
| MW-8 | 07/03/2008 | 960 | <5.0 | <10 | <10 | <10 | NA | 1,000 | <20 | <20 | <20 | <100 | <1,000 | 174.13 | 5.05 | NA | 169.08 | NA | NA | NA |
| MW-8 | 10/03/2008 | 820 | <5.0 | <10 | <10 | <10 | NA | 830 | NA | NA | NA | <100 | NA | 174.13 | 5.54 | NA | 168.59 | NA | NA | NA |
| MW-8 | 01/22/2009 | 1,000 | <2.5 | <5.0 | <5.0 | <5.0 | NA | 740 | NA | NA | NA | <50 | NA | 174.13 | 5.00 | NA | 169.13 | NA | NA | NA |
| MW-8 | 04/13/2009 | 810 | <2.5 | <5.0 | <5.0 | <5.0 | NA | 520 | NA | NA | NA | <50 | NA | 174.13 | 4.51 | NA | 169.62 | NA | NA | NA |
| **MW-8** | **07/23/2009** | **840** | **<2.5** | **<5.0** | **<5.0** | **<5.0** | **NA** | **830** | **<10** | **<10** | **<10** | **<50** | **<500** | **174.13** | **4.92** | **NA** | **169.21** | **NA** | **NA** | **NA** |
| MW-9 | 06/26/2006 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 175.20 | 6.41 | NA | 168.79 | NA | NA | NA |
| MW-9 | 07/28/2006 | 5,690 | 19.2 | 2.64 | 2.02 | 57.7 | NA | 5,780 | <0.500 | <0.500 | 2.74 | 166 | <50.0 | 175.20 | 6.69 | NA | 168.51 | NA | NA | NA |
| MW-9 | 10/27/2006 | 2,710 | 34.2 | <0.500 | 2.76 | 4.75 | NA | 2,140 | NA | NA | NA | 29.2 d | NA | 175.20 | 6.90 | NA | 168.30 | NA | NA | NA |
| MW-9 | 01/10/2007 | 1,500 | 340 | 6.8 | 8.9 | 27 | NA | 2,300 f | NA | NA | NA | 1,400 | NA | 175.20 | 6.14 | NA | 169.06 | NA | NA | NA |
| MW-9 | 04/13/2007 | 1,600 g,h | 390 | 4.1 i | 8.6 i | 4.7 i | NA | 3,700 | NA | NA | NA | 120 | NA | 175.20 | 6.17 | NA | 169.03 | NA | NA | NA |
| MW-9 | 07/09/2007 | 1,200 g | 55 | <25 | <25 | <25 | NA | 2,500 | <50 | <50 | <50 | <250 | <2,500 | 175.20 | 6.65 | NA | 168.55 | NA | NA | NA |
| MW-9 | 10/08/2007 | 520 g,h | 9.1 i | <25 | <25 | <25 | NA | 2,500 | NA | NA | NA | <250 | NA | 175.20 | 7.58 | NA | 167.62 | NA | NA | NA |
| MW-9 | 01/09/2008 | 350 g,h | 3.4 i | <10 | <10 | <10 | NA | 650 | NA | NA | NA | <100 | NA | 175.20 | 6.30 | NA | 168.90 | NA | NA | NA |
| MW-9 | 04/04/2008 | 1,500 | 88 | <10 | <10 | <10 | NA | 1,200 | NA | NA | NA | <100 | NA | 175.20 | 6.05 | NA | 169.15 | NA | NA | NA |
| MW-9 | 07/03/2008 | 2,600 | 70 | <10 | <10 | <10 | NA | 2,800 | <20 | <20 | <20 | <100 | <1,000 | 175.20 | 7.00 | NA | 168.20 | NA | NA | NA |
| MW-9 | 10/03/2008 | 2,600 | 160 | <20 | <20 | <20 | NA | 2,400 | NA | NA | NA | <200 | NA | 175.20 | 7.39 | NA | 167.81 | NA | NA | NA |
| MW-9 | 01/22/2009 | 2,900 | 130 | <20 | <20 | 30 | NA | 1,900 | NA | NA | NA | <200 | NA | 175.20 | 7.00 | NA | 168.20 | NA | NA | NA |
| MW-9 | 04/13/2009 | 5,200 | 590 | 24 | 60 | 89 | NA | 1,600 | NA | NA | NA | 230 | NA | 175.20 | 6.47 | NA | 168.73 | NA | NA | NA |
| **MW-9** | **07/23/2009** | **6,300** | **830** | **30** | **150** | **130** | **NA** | **3,200** | **<20** | **<20** | **<20** | **170** | **<1000** | **175.20** | **7.05** | **NA** | **168.15** | **NA** | **NA** | **NA** |
| TB-1 | 04/29/1999 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 6.00 | NA | NA | NA | 3.8 | -132 |
| TB-1 | 11/01/1999 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 12.65 | NA | NA | NA | 0.2 | -165 |
| TB-1 | 01/17/2000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 7.72 | NA | NA | NA | 0.8 | -178 |
| TB-1 | 04/17/2000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 7.65 | NA | NA | NA | 0.5 | -152 |
| TB-1 | 07/26/2000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 5.13 | NA | NA | NA | 1.0 | -124 |
| TB-1 | 10/12/2000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 5.20 | NA | NA | NA | 0.7 | -73 |

## WELL CONCENTRATIONS
## Former Shell-branded Service Station
## 4255 MacArthur Boulevard
## Oakland, CA

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | DIPE (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | Ethanol (ug/L) | TOC (MSL) | Depth to Water (ft.) | Depth to SPH (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) | DO Reading (ppm) | ORP Reading (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TB-1 | 01/15/2001 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 5.09 | NA | NA | NA | 1.2 | -118 |
| TB-1 | 04/09/2001 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 4.96 | NA | NA | NA | 1.0 | -72 |
| TB-1 | 07/24/2001 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 6.03 | NA | NA | NA | 1.4 | 31 |
| TB-1 | 10/31/2001 | 1,000 | 85 | <10 | <10 | 42 | NA | 4,100 | NA | NA | NA | NA | NA | NA | 5.89 | NA | NA | NA | 1.8 | 88 |
| TB-1 | 01/10/2002 | 5,000 | 410 | 390 | 65 | 620 | NA | 9,000 | NA | NA | NA | NA | NA | NA | 7.47 | NA | NA | NA | 2.0 | 95 |
| TB-1 | 04/25/2002 | 5,000 | 780 | 60 | 49 | 91 | NA | 6,000 | NA | NA | NA | NA | NA | NA | 11.71 | NA | NA | NA | 1.7 | -136 |
| TB-1 | 07/18/2002 | Insufficient water | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 13.50 | NA | NA | NA | NA | NA |
| TB-1 | 10/07/2002 | 4,600 | 480 | 36 | 98 | 200 | NA | 4,000 | NA | NA | NA | NA | NA | NA | 12.95 | NA | NA | NA | 1.6 | -48 |
| TB-1 | 01/06/2003 | 130 | 30 | <0.50 | <0.50 | 0.78 | NA | 330 | NA | NA | NA | NA | NA | NA | 5.56 | NA | NA | NA | 0.4 | -20 |
| TB-2 | 04/29/1999 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 4.76 | NA | NA | NA | 4.2 | -108 |
| TB-2 | 11/01/1999 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 11.33 | NA | NA | NA | 0.5 | -148 |
| TB-2 | 01/17/2000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 9.79 | NA | NA | NA | 0.7 | -162 |
| TB-2 | 04/17/2000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 9.75 | NA | NA | NA | 0.9 | -121 |
| TB-2 | 07/26/2000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 4.73 | NA | NA | NA | 0.9 | -85 |
| TB-2 | 10/12/2000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 4.05 | NA | NA | NA | 0.6 | -47 |
| TB-2 | 01/15/2001 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3.87 | NA | NA | NA | 0.7 | -91 |
| TB-2 | 04/09/2001 | 46,600 | 1,240 | 1,310 | 1,110 | 12,100 | 31,300 | NA | NA | NA | NA | NA | NA | NA | 3.76 | NA | NA | NA | 0.8 | -24 |
| TB-2 | 07/24/2001 | 11,000 | 630 | <25 | 310 | 200 | NA | 11,000 | NA | NA | NA | NA | NA | NA | 4.75 | NA | NA | NA | 0.4 | -51 |
| TB-2 | 10/31/2001 | 7,500 | 530 | 1,500 | 100 | 500 | NA | 2,500 | NA | NA | NA | NA | NA | NA | 4.24 | NA | NA | NA | 0.6 | -7 |
| TB-2 | 01/10/2002 | <5,000 | 480 | 47 | 34 | 110 | NA | 12,000 | NA | NA | NA | NA | NA | NA | 6.26 | NA | NA | NA | 1.3 | -81 |
| TB-2 | 04/25/2002 | 4,700 | 470 | 140 | <20 | 80 | NA | 7,400 | NA | NA | NA | NA | NA | NA | 11.78 | NA | NA | NA | 0.9 | -107 |
| TB-2 | 07/18/2002 | 7,500 | 630 | 650 | <25 | 390 | NA | 44,000 | NA | NA | NA | NA | NA | NA | 12.34 | NA | NA | NA | 0.9 | -67 |
| TB-2 | 10/07/2002 | <10,000 | 580 | <100 | <100 | 180 | NA | 30,000 | NA | NA | NA | NA | NA | NA | 11.62 | NA | NA | NA | 1.0 | -41 |
| TB-2 | 01/06/2003 | 120 | 4.8 | <0.50 | <0.50 | 2.0 | NA | 220 | NA | NA | NA | NA | NA | NA | 4.35 | NA | NA | NA | 0.5 | -515 |

**WELL CONCENTRATIONS**
**Former Shell-branded Service Station**
**4255 MacArthur Boulevard**
**Oakland, CA**

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | DIPE (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | Ethanol (ug/L) | TOC (MSL) | Depth to Water (ft.) | Depth to SPH (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) | DO Reading (ppm) | ORP Reading (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to July 24, 2001, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to July 24, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260
TOC = Top of Casing Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
ug/L = Parts per billion
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
(D) = Duplicate sample
NA = Not applicable
DO = Dissolved Oxygens
ppm = Parts per million
ORP = Oxidation Reduction Potential
mV = Millivolts

## WELL CONCENTRATIONS
## Former Shell-branded Service Station
## 4255 MacArthur Boulevard
## Oakland, CA

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | DIPE (ug/L) | ETBE (ug/L) | TAME (ug/L) | TBA (ug/L) | Ethanol (ug/L) | TOC (MSL) | Depth to Water (ft.) | Depth to SPH (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) | DO Reading (ppm) | ORP Reading (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Notes:

a = Ground water surface had a sheen when sampled.

b = MTBE value is estimated by Sequoia Analytical of Redwood City, CA.

c = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.

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

e = pH>2

f = Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.

g = Analyzed by EPA Method 8015B (M).

h = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

i = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

* = Sample analyzed outside the EPA recommended holding time.

Ethanol analyzed by EPA Method 8260B.

Site surveyed March 14, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

When separate-phase hydrocarbons are present, ground water elevation is adjusted using the relation: Corrected ground water elevation = Top-of-Casing Elevation - Depth to Water + (0.8 x Hydrocarbon Thickness).

Wells MW-6, MW-7, MW-8 and MW-9 surveyed July 12, 2006 by Virgil Chavez Land Surveying of Vallejo, CA.

Calscience
Environmental
Laboratories, Inc.

August 06, 2009

Michael Ninokata
Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject: **Calscience Work Order No.:** **09-07-2101**
**Client Reference:** **4255 MacArthur Blvd., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/25/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Philip Samelle for

Calscience Environmental
Laboratories, Inc.
Jessie Lee
Project Manager

Calscience Environmental Laboratories, Inc.

# Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 07/25/09
Work Order No: 09-07-2101
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 4255 MacArthur Blvd., Oakland, CA



| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| MW-1 | 09-07-2101-1-A | 07/23/09 14:00 | Aqueous | GC/MS W | 07/28/09 | 07/28/09 20:20 | 090728L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 6.9 | 5.0 | 10 | | Diisopropyl Ether (DIPE) | ND | 20 | 10 | |
| Ethylbenzene | ND | 10 | 10 | | Ethyl-t-Butyl Ether (ETBE) | ND | 20 | 10 | |
| Toluene | ND | 10 | 10 | | Tert-Amyl-Methyl Ether (TAME) | ND | 20 | 10 | |
| Xylenes (total) | ND | 10 | 10 | | Ethanol | ND | 1000 | 10 | |
| Methyl-t-Butyl Ether (MTBE) | 1500 | 10 | 10 | | TPPH | 1800 | 500 | 10 | |
| Tert-Butyl Alcohol (TBA) | 2800 | 100 | 10 | | | | | | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 109 | 80-132 | | | 1,2-Dichloroethane-d4 | 114 | 80-141 | | |
| Toluene-d8 | 100 | 80-120 | | | Toluene-d8-TPPH | 102 | 88-112 | | |
| 1,4-Bromofluorobenzene | 88 | 76-120 | | | | | | | |

| MW-3 | 09-07-2101-2-A | 07/23/09 14:22 | Aqueous | GC/MS W | 07/28/09 | 07/28/09 20:49 | 090728L01 |
|---|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 3300 | 12 | 25 | | Diisopropyl Ether (DIPE) | ND | 50 | 25 | |
| Ethylbenzene | 1600 | 25 | 25 | | Ethyl-t-Butyl Ether (ETBE) | ND | 50 | 25 | |
| Toluene | 41 | 25 | 25 | | Tert-Amyl-Methyl Ether (TAME) | ND | 50 | 25 | |
| Xylenes (total) | 1200 | 25 | 25 | | Ethanol | ND | 2500 | 25 | |
| Methyl-t-Butyl Ether (MTBE) | 2200 | 25 | 25 | | TPPH | 26000 | 1200 | 25 | |
| Tert-Butyl Alcohol (TBA) | 1600 | 250 | 25 | | | | | | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 102 | 80-132 | | | 1,2-Dichloroethane-d4 | 111 | 80-141 | | |
| Toluene-d8 | 98 | 80-120 | | | Toluene-d8-TPPH | 98 | 88-112 | | |
| 1,4-Bromofluorobenzene | 96 | 76-120 | | | | | | | |

| MW-4 | 09-07-2101-3-A | 07/23/09 10:30 | Aqueous | GC/MS W | 07/28/09 | 07/28/09 21:18 | 090728L01 |
|---|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 180 | 2.5 | 5 | | Diisopropyl Ether (DIPE) | ND | 10 | 5 | |
| Ethylbenzene | 86 | 5.0 | 5 | | Ethyl-t-Butyl Ether (ETBE) | ND | 10 | 5 | |
| Toluene | 54 | 5.0 | 5 | | Tert-Amyl-Methyl Ether (TAME) | ND | 10 | 5 | |
| Xylenes (total) | 200 | 5.0 | 5 | | Ethanol | ND | 500 | 5 | |
| Methyl-t-Butyl Ether (MTBE) | 85 | 5.0 | 5 | | TPPH | 1500 | 250 | 5 | |
| Tert-Butyl Alcohol (TBA) | 2500 | 50 | 5 | | | | | | |
| Surrogates: | REC (%) | Control Limits | | Qual | Surrogates: | REC (%) | Control Limits | | Qual |
| Dibromofluoromethane | 102 | 80-132 | | | 1,2-Dichloroethane-d4 | 111 | 80-141 | | |
| Toluene-d8 | 95 | 80-120 | | | Toluene-d8-TPPH | 96 | 88-112 | | |
| 1,4-Bromofluorobenzene | 97 | 76-120 | | | | | | | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

# Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

| | |
|---|---|
| Date Received: | 07/25/09 |
| Work Order No: | 09-07-2101 |
| Preparation: | EPA 5030B |
| Method: | LUFT GC/MS / EPA 8260B |
| Units: | ug/L |

Project: 4255 MacArthur Blvd., Oakland, CA



| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| MW-5 | 09-07-2101-4-A | 07/23/09 09:45 | Aqueous | GC/MS W | 07/28/09 | 07/28/09 21:47 | 090728L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | 0.50 | 1 | | Diisopropyl Ether (DIPE) | ND | 2.0 | 1 | |
| Ethylbenzene | ND | 1.0 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 2.0 | 1 | |
| Toluene | ND | 1.0 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 2.0 | 1 | |
| Xylenes (total) | ND | 1.0 | 1 | | Ethanol | ND | 100 | 1 | |
| Methyl-t-Butyl Ether (MTBE) | 15 | 1.0 | 1 | | TPPH | ND | 50 | 1 | |
| Tert-Butyl Alcohol (TBA) | ND | 10 | 1 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual | Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|---|---|---|---|
| Dibromofluoromethane | 110 | 80-132 | | 1,2-Dichloroethane-d4 | 119 | 80-141 | |
| Toluene-d8 | 99 | 80-120 | | Toluene-d8-TPPH | 99 | 88-112 | |
| 1,4-Bromofluorobenzene | 86 | 76-120 | | | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| MW-6 | 09-07-2101-5-A | 07/23/09 12:18 | Aqueous | GC/MS W | 07/28/09 | 07/28/09 22:16 | 090728L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 1100 | 10 | 20 | | Diisopropyl Ether (DIPE) | ND | 40 | 20 | |
| Ethylbenzene | ND | 20 | 20 | | Ethyl-t-Butyl Ether (ETBE) | ND | 40 | 20 | |
| Toluene | ND | 20 | 20 | | Tert-Amyl-Methyl Ether (TAME) | ND | 40 | 20 | |
| Xylenes (total) | 42 | 20 | 20 | | Ethanol | ND | 2000 | 20 | |
| Methyl-t-Butyl Ether (MTBE) | 220 | 20 | 20 | | TPPH | 6800 | 1000 | 20 | |
| Tert-Butyl Alcohol (TBA) | 7400 | 200 | 20 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual | Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|---|---|---|---|
| Dibromofluoromethane | 99 | 80-132 | | 1,2-Dichloroethane-d4 | 109 | 80-141 | |
| Toluene-d8 | 99 | 80-120 | | Toluene-d8-TPPH | 99 | 88-112 | |
| 1,4-Bromofluorobenzene | 87 | 76-120 | | | | | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| MW-7 | 09-07-2101-6-A | 07/23/09 13:35 | Aqueous | GC/MS W | 07/28/09 | 07/28/09 22:45 | 090728L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 12 | 5.0 | 10 | | Diisopropyl Ether (DIPE) | ND | 20 | 10 | |
| Ethylbenzene | ND | 10 | 10 | | Ethyl-t-Butyl Ether (ETBE) | ND | 20 | 10 | |
| Toluene | ND | 10 | 10 | | Tert-Amyl-Methyl Ether (TAME) | ND | 20 | 10 | |
| Xylenes (total) | ND | 10 | 10 | | Ethanol | ND | 1000 | 10 | |
| Methyl-t-Butyl Ether (MTBE) | 1300 | 10 | 10 | | TPPH | 1400 | 500 | 10 | |
| Tert-Butyl Alcohol (TBA) | 550 | 100 | 10 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual | Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|---|---|---|---|
| Dibromofluoromethane | 111 | 80-132 | | 1,2-Dichloroethane-d4 | 119 | 80-141 | |
| Toluene-d8 | 97 | 80-120 | | Toluene-d8-TPPH | 97 | 88-112 | |
| 1,4-Bromofluorobenzene | 83 | 76-120 | | | | | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

## Analytical Report

| | | | |
|---|---|---|---|
| Blaine Tech Services, Inc. | | Date Received: | 07/25/09 |
| 1680 Rogers Avenue | | Work Order No: | 09-07-2101 |
| San Jose, CA 95112-1105 | | Preparation: | EPA 5030B |
| | | Method: | LUFT GC/MS / EPA 8260B |
| | | Units: | ug/L |

Project: 4255 MacArthur Blvd., Oakland, CA



| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| MW-8 | 09-07-2101-7-A | 07/23/09 13:48 | Aqueous | GC/MS W | 07/28/09 | 07/28/09 23:14 | 090728L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | 2.5 | 5 | | Diisopropyl Ether (DIPE) | ND | 10 | 5 | |
| Ethylbenzene | ND | 5.0 | 5 | | Ethyl-t-Butyl Ether (ETBE) | ND | 10 | 5 | |
| Toluene | ND | 5.0 | 5 | | Tert-Amyl-Methyl Ether (TAME) | ND | 10 | 5 | |
| Xylenes (total) | ND | 5.0 | 5 | | Ethanol | ND | 500 | 5 | |
| Methyl-t-Butyl Ether (MTBE) | 830 | 5.0 | 5 | | TPPH | 840 | 250 | 5 | |
| Tert-Butyl Alcohol (TBA) | ND | 50 | 5 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual | Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|---|---|---|---|
| Dibromofluoromethane | 118 | 80-132 | | 1,2-Dichloroethane-d4 | 125 | 80-141 | |
| Toluene-d8 | 99 | 80-120 | | Toluene-d8-TPPH | 101 | 88-112 | |
| 1,4-Bromofluorobenzene | 86 | 76-120 | | | | | |

| MW-9 | 09-07-2101-8-A | 07/23/09 14:10 | Aqueous | GC/MS W | 07/28/09 | 07/28/09 23:42 | 090728L01 |
|---|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 830 | 5.0 | 10 | | Diisopropyl Ether (DIPE) | ND | 20 | 10 | |
| Ethylbenzene | 150 | 10 | 10 | | Ethyl-t-Butyl Ether (ETBE) | ND | 20 | 10 | |
| Toluene | 30 | 10 | 10 | | Tert-Amyl-Methyl Ether (TAME) | ND | 20 | 10 | |
| Xylenes (total) | 130 | 10 | 10 | | Ethanol | ND | 1000 | 10 | |
| Methyl-t-Butyl Ether (MTBE) | 3200 | 50 | 50 | | TPPH | 6300 | 500 | 10 | |
| Tert-Butyl Alcohol (TBA) | 170 | 100 | 10 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual | Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|---|---|---|---|
| Dibromofluoromethane | 111 | 80-132 | | 1,2-Dichloroethane-d4 | 117 | 80-141 | |
| Toluene-d8 | 96 | 80-120 | | Toluene-d8-TPPH | 96 | 88-112 | |
| 1,4-Bromofluorobenzene | 92 | 76-120 | | | | | |

| Method Blank | 099-12-767-2,273 | N/A | Aqueous | GC/MS W | 07/28/09 | 07/28/09 16:27 | 090728L01 |
|---|---|---|---|---|---|---|---|

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | 0.50 | 1 | | Diisopropyl Ether (DIPE) | ND | 2.0 | 1 | |
| Ethylbenzene | ND | 1.0 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 2.0 | 1 | |
| Toluene | ND | 1.0 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 2.0 | 1 | |
| Xylenes (total) | ND | 1.0 | 1 | | Ethanol | ND | 100 | 1 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 1.0 | 1 | | TPPH | ND | 50 | 1 | |
| Tert-Butyl Alcohol (TBA) | ND | 10 | 1 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual | Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|---|---|---|---|
| Dibromofluoromethane | 108 | 80-132 | | 1,2-Dichloroethane-d4 | 117 | 80-141 | |
| Toluene-d8 | 95 | 80-120 | | Toluene-d8-TPPH | 95 | 88-112 | |
| 1,4-Bromofluorobenzene | 87 | 76-120 | | | | | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

## Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 07/25/09
Work Order No: 09-07-2101
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 4255 MacArthur Blvd., Oakland, CA



| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **Method Blank** | 099-12-767-2,287 | N/A | Aqueous | GC/MS W | 07/29/09 | 07/29/09 16:22 | 0907291L01 |

| Parameter | Result | RL | DF | Qual | Parameter | Result | RL | DF | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | 0.50 | 1 | | Diisopropyl Ether (DIPE) | ND | 2.0 | 1 | |
| Ethylbenzene | ND | 1.0 | 1 | | Ethyl-t-Butyl Ether (ETBE) | ND | 2.0 | 1 | |
| Toluene | ND | 1.0 | 1 | | Tert-Amyl-Methyl Ether (TAME) | ND | 2.0 | 1 | |
| Xylenes (total) | ND | 1.0 | 1 | | Ethanol | ND | 100 | 1 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 1.0 | 1 | | TPPH | ND | 50 | 1 | |
| Tert-Butyl Alcohol (TBA) | ND | 10 | 1 | | | | | | |

| Surrogates: | REC (%) | Control Limits | Qual | Surrogates: | REC (%) | Control Limits | Qual |
|---|---|---|---|---|---|---|---|
| Dibromofluoromethane | 118 | 80-132 | | 1,2-Dichloroethane-d4 | 122 | 80-141 | |
| Toluene-d8 | 96 | 80-120 | | Toluene-d8-TPPH | 95 | 88-112 | |
| 1,4-Bromofluorobenzene | 78 | 76-120 | | | | | |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

## Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 07/25/09
Work Order No: 09-07-2101
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 4255 MacArthur Blvd., Oakland, CA

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---|---|---|---|---|---|
| 09-07-2039-13 | Aqueous | GC/MS W | 07/28/09 | 07/28/09 | 090728S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|
| Benzene | 97 | 95 | 72-120 | 2 | 0-20 | |
| Carbon Tetrachloride | 95 | 90 | 63-135 | 5 | 0-20 | |
| Chlorobenzene | 94 | 95 | 80-120 | 1 | 0-20 | |
| 1,2-Dibromoethane | 105 | 101 | 80-120 | 4 | 0-20 | |
| 1,2-Dichlorobenzene | 95 | 93 | 80-120 | 2 | 0-20 | |
| 1,1-Dichloroethene | 91 | 88 | 60-132 | 3 | 0-24 | |
| Ethylbenzene | 106 | 104 | 78-120 | 3 | 0-20 | |
| Toluene | 97 | 95 | 74-122 | 2 | 0-20 | |
| Trichloroethene | 96 | 91 | 69-120 | 5 | 0-20 | |
| Vinyl Chloride | 73 | 73 | 58-130 | 1 | 0-20 | |
| Methyl-t-Butyl Ether (MTBE) | 108 | 104 | 72-126 | 3 | 0-21 | |
| Tert-Butyl Alcohol (TBA) | 93 | 96 | 72-126 | 4 | 0-20 | |
| Diisopropyl Ether (DIPE) | 107 | 104 | 71-137 | 3 | 0-23 | |
| Ethyl-t-Butyl Ether (ETBE) | 109 | 103 | 74-128 | 6 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | 117 | 115 | 76-124 | 2 | 0-20 | |
| Ethanol | 104 | 106 | 35-167 | 2 | 0-48 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

## Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 07/25/09
Work Order No: 09-07-2101
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 4255 MacArthur Blvd., Oakland, CA

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---|---|---|---|---|---|
| 09-07-2144-7 | Aqueous | GC/MS W | 07/29/09 | 07/29/09 | 090729S01 |

| Parameter | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|
| Benzene | 98 | 95 | 72-120 | 3 | 0-20 | |
| Carbon Tetrachloride | 87 | 86 | 63-135 | 1 | 0-20 | |
| Chlorobenzene | 93 | 92 | 80-120 | 0 | 0-20 | |
| 1,2-Dibromoethane | 101 | 96 | 80-120 | 4 | 0-20 | |
| 1,2-Dichlorobenzene | 94 | 97 | 80-120 | 3 | 0-20 | |
| 1,1-Dichloroethene | 87 | 85 | 60-132 | 2 | 0-24 | |
| Ethylbenzene | 105 | 103 | 78-120 | 2 | 0-20 | |
| Toluene | 95 | 95 | 74-122 | 0 | 0-20 | |
| Trichloroethene | 94 | 92 | 69-120 | 2 | 0-20 | |
| Vinyl Chloride | 70 | 77 | 58-130 | 10 | 0-20 | |
| Methyl-t-Butyl Ether (MTBE) | 101 | 101 | 72-126 | 1 | 0-21 | |
| Tert-Butyl Alcohol (TBA) | 91 | 94 | 72-126 | 3 | 0-20 | |
| Diisopropyl Ether (DIPE) | 106 | 102 | 71-137 | 3 | 0-23 | |
| Ethyl-t-Butyl Ether (ETBE) | 102 | 102 | 74-128 | 0 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | 111 | 107 | 76-124 | 3 | 0-20 | |
| Ethanol | 101 | 92 | 35-167 | 9 | 0-48 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

## Quality Control - LCS/LCS Duplicate

| | |
|---|---|
| Blaine Tech Services, Inc. | Date Received: N/A |
| 1680 Rogers Avenue | Work Order No: 09-07-2101 |
| San Jose, CA 95112-1105 | Preparation: EPA 5030B |
| | Method: LUFT GC/MS / EPA 8260B |

Project: 4255 MacArthur Blvd., Oakland, CA

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|
| 099-12-767-2,273 | Aqueous | GC/MS W | 07/28/09 | 07/28/09 | 090728L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | ME_CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|---|
| Benzene | 99 | 96 | 80-122 | 73-129 | 3 | 0-20 | |
| Carbon Tetrachloride | 98 | 96 | 68-140 | 56-152 | 2 | 0-20 | |
| Chlorobenzene | 95 | 97 | 80-120 | 73-127 | 2 | 0-20 | |
| 1,2-Dibromoethane | 95 | 96 | 80-121 | 73-128 | 1 | 0-20 | |
| 1,2-Dichlorobenzene | 93 | 92 | 80-120 | 73-127 | 2 | 0-20 | |
| 1,1-Dichloroethene | 90 | 90 | 72-132 | 62-142 | 0 | 0-25 | |
| Ethylbenzene | 109 | 108 | 80-126 | 72-134 | 1 | 0-20 | |
| Toluene | 100 | 99 | 80-121 | 73-128 | 1 | 0-20 | |
| Trichloroethene | 103 | 96 | 80-123 | 73-130 | 7 | 0-20 | |
| Vinyl Chloride | 85 | 87 | 67-133 | 56-144 | 2 | 0-20 | |
| Methyl-t-Butyl Ether (MTBE) | 93 | 93 | 75-123 | 67-131 | 1 | 0-20 | |
| Tert-Butyl Alcohol (TBA) | 93 | 92 | 75-123 | 67-131 | 1 | 0-20 | |
| Diisopropyl Ether (DIPE) | 97 | 97 | 71-131 | 61-141 | 0 | 0-20 | |
| Ethyl-t-Butyl Ether (ETBE) | 95 | 93 | 76-124 | 68-132 | 1 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | 109 | 107 | 80-123 | 73-130 | 1 | 0-20 | |
| Ethanol | 90 | 92 | 61-139 | 48-152 | 2 | 0-27 | |
| TPPH | 95 | 92 | 65-135 | 53-147 | 3 | 0-30 | |

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

## Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-07-2101
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 4255 MacArthur Blvd., Oakland, CA

| Quality Control Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|
| 099-12-767-2,287 | Aqueous | GC/MS W | 07/29/09 | 07/29/09 | 090729L01 |

| Parameter | LCS %REC | LCSD %REC | %REC CL | ME_CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|---|
| Benzene | 97 | 93 | 80-122 | 73-129 | 4 | 0-20 | |
| Carbon Tetrachloride | 88 | 87 | 68-140 | 56-152 | 1 | 0-20 | |
| Chlorobenzene | 94 | 90 | 80-120 | 73-127 | 4 | 0-20 | |
| 1,2-Dibromoethane | 92 | 94 | 80-121 | 73-128 | 2 | 0-20 | |
| 1,2-Dichlorobenzene | 94 | 87 | 80-120 | 73-127 | 8 | 0-20 | |
| 1,1-Dichloroethene | 89 | 84 | 72-132 | 62-142 | 6 | 0-25 | |
| Ethylbenzene | 107 | 103 | 80-126 | 72-134 | 4 | 0-20 | |
| Toluene | 97 | 93 | 80-121 | 73-128 | 4 | 0-20 | |
| Trichloroethene | 98 | 92 | 80-123 | 73-130 | 6 | 0-20 | |
| Vinyl Chloride | 85 | 85 | 67-133 | 56-144 | 1 | 0-20 | |
| Methyl-t-Butyl Ether (MTBE) | 95 | 93 | 75-123 | 67-131 | 2 | 0-20 | |
| Tert-Butyl Alcohol (TBA) | 83 | 96 | 75-123 | 67-131 | 14 | 0-20 | |
| Diisopropyl Ether (DIPE) | 100 | 95 | 71-131 | 61-141 | 4 | 0-20 | |
| Ethyl-t-Butyl Ether (ETBE) | 94 | 92 | 76-124 | 68-132 | 1 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | 103 | 100 | 80-123 | 73-130 | 3 | 0-20 | |
| Ethanol | 97 | 98 | 61-139 | 48-152 | 2 | 0-27 | |
| TPPH | 98 | 96 | 65-135 | 53-147 | 1 | 0-30 | |

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

## Glossary of Terms and Qualifiers

Work Order Number: 09-07-2101

| Qualifier | Definition |
|---|---|
| * | See applicable analysis comment. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification. |
| 4 | The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification. |
| 5 | The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required. |
| A | Result is the average of all dilutions, as defined by the method. |
| B | Analyte was present in the associated method blank. |
| C | Analyte presence was not confirmed on primary column. |
| E | Concentration exceeds the calibration range. |
| H | Sample received and/or analyzed past the recommended holding time. |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| ME | LCS Recovery Percentage is within LCS ME Control Limit range. |
| N | Nontarget Analyte. |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| U | Undetected at the laboratory method detection limit. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. |

# Shell Oil Products Chain Of Custody Record

**LAB (LOCATION)**
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

**Please Check Appropriate Box:**
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☑ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER _____

**Print Bill To Contact Name:** Peter Schaefer 240524
**PO #:**
**INCIDENT # (ENV SERVICES):** 98995758 ☐ CHECK IF NO INCIDENT # APPLIES
**SAP #:**
DATE: 7-23-09
PAGE: 1 of 1

| SAMPLING COMPANY | LOG CODE | SITE ADDRESS: Street and City | State | GLOBAL ID NO |
|---|---|---|---|---|
| Blaine Tech Services | BTSS | 4255 MacArthur Blvd., Oakland | CA | T0600101261 |

| ADDRESS | EDF DELIVERABLE TO (Name, Company, Office Location) | PHONE NO | E-MAIL | CONSULTANT PROJECT NO |
|---|---|---|---|---|
| 1680 Rogers Ave, San Jose, CA 95112 | Anni Kremi, CRA, Emeryville | (510) 420-3335 | Shelledf@craworld.com | 090723-FS1 |

PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata Copy to Shell.Lab.Billing@craworld.com
TELEPHONE: (408)573-0555 FAX: (408)573-7771 E-MAIL: mninokata@blainetech.com
SAMPLER NAME(S) (Print): F. SRIWONGTONG
BTS #
LAB USE ONLY: 09-07-2101

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

**SPECIAL INSTRUCTIONS OR NOTES :**
Run TPH-d w/Silica Gel Clean Up

☐ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED

**REQUESTED ANALYSIS**

| LAB USE ONLY | Field Sample Identification | SAMPLING DATE | SAMPLING TIME | MATRIX | PRESERVATIVE HCL | HNO3 | H2SO4 | NONE | OTHER | NO. OF CONT. | TPH - Purgeable (8260B) | TPH - Extractable (8015M) | BTEX (8260B) | 5 Oxygenates (8260B) | MTBE (8260B) | TBA (8260B) | DIPE (8260B) | TAME (8260B) | ETBE (8260B) | 1,2 DCA (8260B) | EDB (8260B) | Ethanol (8260B) | Methanol (8015M) | TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-1 | 7-23-09 | 1408 | W | 3 | | | | | 3 | X | | X | X | | X | | | | | | X | | |
| 2 | MW-3 | | 1422 | | | | | | | | X | | X | X | | X | | | | | | X | | |
| 3 | MW-4 | | 1030 | | | | | | | | X | | X | X | | X | | | | | | X | | |
| 4 | MW-5 | | 0945 | | | | | | | | X | | X | X | | X | | | | | | X | | |
| 5 | MW-6 | | 1218 | | | | | | | | X | | X | X | | X | | | | | | X | | |
| 6 | MW-7 | | 1335 | | | | | | | | X | | X | X | | X | | | | | | X | | |
| 7 | MW-8 | | 1348 | | | | | | | | X | | X | X | | X | | | | | | X | | |
| 8 | MW-9 | | 1410 | | | | | | | | X | | X | X | | X | | | | | | X | | |

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| F. SRIWONGTONG | (SAMPLE CUSTODIAN) | 7-23-09 | 1630 |
| (Sample Cust) | CEL | 7/24/09 | 1240 |
| 7-24-09 0800 1730 | CEL | 7-25-09 | 900 |

G.Sa. 8123281241

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-07-2101

# SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTS DATE: 7/28/09

**TEMPERATURE:** (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.2 °C - 0.2 °C (CF) = 3.0 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

**Ambient Temperature:** ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: WSC

**CUSTODY SEALS INTACT:**

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: WSC

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: WSC

| SAMPLE CONDITION: | Yes | No | N/A |
|---|---|---|---|
| Chain-Of-Custody (COC) document(s) received with samples | ☑ | ☐ | ☐ |
| COC document(s) received complete | ☑ | ☐ | ☐ |
| ☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels. | | | |
| ☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished. | | | |
| Sampler's name indicated on COC | ☑ | ☐ | ☐ |
| Sample container label(s) consistent with COC | ☑ | ☐ | ☐ |
| Sample container(s) intact and good condition | ☑ | ☐ | ☐ |
| Correct containers and volume for analyses requested | ☑ | ☐ | ☐ |
| Analyses received within holding time | ☑ | ☐ | ☐ |
| Proper preservation noted on COC or sample container | ☑ | ☐ | ☐ |
| ☐ Unpreserved vials received for Volatiles analysis | | | |
| Volatile analysis container(s) free of headspace | ☑ | ☐ | ☐ |
| Tedlar bag(s) free of condensation | ☐ | ☐ | ☑ |

**CONTAINER TYPE:**

**Solid:** ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

**Water:** ☐VOA ☑VOA**h** (3) ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

**Air:** ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** WSC

**Container:** C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelop **Reviewed by:** YL

**Preservative:** h: HCL n: HNO3 na$_2$: $Na_2S_2O_3$ Na: NaOH p: $H_3PO_4$ s: $H_2SO_4$ znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WSC

# WELL GAUGING DATA

Project # 090723-FS1 Date 7-23-09 Client SHELL

Site 4255 MACARTHUR BLVD. OAKLAND

| Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | Thickness of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB or (TOC) | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 826 | 4 | | | | | 8.15 | 23.31 | TOC | |
| MW-2 | 900 | 4 | | 11.71 | 0.2 | ≈ 492 | 11.91 | | | * |
| MW-3 | 0837 | 4 | | | | | 14.59 | 21.80 | | |
| MW-4 | 805 | 2 | | | | | 7.97 | 30.60 | | |
| MW-5 | 801 | 2 | | | | | 7.60 | 19.88 | | |
| MW-6 | 912 ~~805~~ | 2 | | | | | 11.09 ~~7.97~~ | 23.50 ~~30.60~~ | | |
| MW-7 | 815 | 4 | | | | | 9.10 | 28.94 | | |
| MW-8 | 820 | 4 | | | | | 4.92 | 29.72 | | |
| MW-9 | 831 | 4 | | | | | 7.05 | 29.43 | | ODOR |
| | | | | | | | | | | |
| | * | GAUGED | WITH | STINGER | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

# SHE.. WELL MONITORING DAT.. SHEET

| | |
|---|---|
| BTS #: 090723-FS1 | Site: 4255 MACARTHUR BLVD. OAKLAND, CA |
| Sampler: FS | Date: 7-23-09 |
| Well I.D.: MW-1 | Well Diameter: 2 3 (4) 6 8 ____ |
| Total Well Depth (TD): 23.31 | Depth to Water (DTW): 8.15 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.18 | |

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

| 9.9 (Gals.) X | 3 | = | 29.7 Gals. |
|---|---|---|---|
| 1 Case Volume | Specified Volumes | | Calculated Volume |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1130 | 68.3 | 7.0 | 1051 | 26 | 10 | |
| — WELL | DEWATERED @ | | 11 | GALS | — | DTW = 19.21 |
| | | | | | | |
| | | | | | | |
| 1400 | 68.6 | 7.1 | 1084 | 35 | — | |

Did well dewater? (Yes) No Gallons actually evacuated: 11

Sampling Date: 7-23-09 Sampling Time: 1400 Depth to Water: 13.64 (2 hrs)

Sample I.D.: MW-1 Laboratory: (CalScience) Columbia Other____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D (Oxygenates (5)) (Other:) TBA, ETHANOL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# SHE_ _ WELL MONITORING DAT_ SHEET

| | |
|---|---|
| BTS #: 090723-FS1 | Site: 4255 MACARTHUR BLVD. OAKLAND, CA |
| Sampler: FS | Date: 7-23-09 |
| Well I.D.: MW-2 | Well Diameter: 2 3 (4) 6 8 ____ |
| Total Well Depth (TD): | Depth to Water (DTW): 11.91 |
| Depth to Free Product: 11.71 | Thickness of Free Product (feet): 0.20 |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: | |

Purge Method: Bailer ~~Waterra~~
Disposable Bailer Peristaltic
Positive Air Displacement Extraction Pump
Electric Submersible Other_____

Sampling Method: (Bailer)
Disposable Bailer
Extraction Port
Dedicated Tubing
Other: _____

| _____ (Gals.) X _____ = _____ Gals. | | |
|---|---|---|
| 1 Case Volume | Specified Volumes | Calculated Volume |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F) | pH | Cond. (mS or µS) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| — REMOVED | | ≈ | 492 mL | SPH w/ 10 gals | of WATER | |
| | TO | DRUM | ONSITE. | | | |
| | | | | | | |
| — NO | SAMPLE | | TAKEN | DUE | TO SPH. | |
| | | | | | | |

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 7-23-09 Sampling Time: Depth to Water:

Sample I.D.: Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D (Oxygenates (5)) (Other:) TBA, ETHANOL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# SHEET WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 090723-FS1 | Site: 4255 MACARTHUR BLVD. OAKLAND, CA |
| Sampler: FS | Date: 7-23-09 |
| Well I.D.: MW-3 | Well Diameter: 2 3 (4) 6 8 ____ |
| Total Well Depth (TD): 21.80 | Depth to Water (DTW): 14.59 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.03 | |

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

| 4.7 (Gals.) X | 3 | = | 14.1 Gals. |
|---|---|---|---|
| 1 Case Volume | Specified Volumes | | Calculated Volume |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1229 | 66.8 | 6.9 | 1229 | 98 | 5 | |
| — WELL DEWATERED @ 5 GALLONS = DTW = 18.62 | | | | | | |
| | | | | | | |
| | | | | | | |
| 1422 | 68.5 | 6.7 | 1232 | 61 | — | |

Did well dewater? (Yes) No — Gallons actually evacuated: 5

Sampling Date: 7-23-09 — Sampling Time: 1422 — Depth to Water: 15.12

Sample I.D.: MW-3 — Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D (Oxygenates (5)) (Other:) TBA, ETHANOL

EB I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# SHEET WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 090723-FS1 | Site: 4255 MACARTHUR BLVD. OAKLAND, CA |
| Sampler: FS | Date: 7-23-09 |
| Well I.D.: MW-4 | Well Diameter: (2) 3 4 6 8 ____ |
| Total Well Depth (TD): 30.60 | Depth to Water (DTW): 7.97 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.49 | |

Purge Method: (Bailer)
Disposable Bailer
Positive Air Displacement
Electric Submersible
Waterra
Peristaltic
Extraction Pump
Other_____

Sampling Method: (Bailer)
Disposable Bailer
Extraction Port
Dedicated Tubing
Other: _____

| 1 Case Volume | Specified Volumes | Calculated Volume |
|---|---|---|
| 3.7 (Gals.) X | 3 = | 11.1 Gals. |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1011 | 65.2 | 6.7 | 1073 | 175 | 4 | |
| 1016 | 65.6 | 6.6 | 1093 | 103 | 8 | |
| 1022 | 65.8 | 6.6 | 1074 | 73 | 11.5 | |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 11.5

Sampling Date: 7-23-09 Sampling Time: 1030 Depth to Water: 11.42

Sample I.D.: MW-4 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D (Oxygenates (5)) (Other:) TBA, ETHANOL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# SHE[illegible] WELL MONITORING DAT[illegible] SHEET

| | |
|---|---|
| BTS #: 090723-FS1 | Site: 4255 MACARTHUR BLVD. OAKLAND, CA |
| Sampler: FS | Date: 7-23-09 |
| Well I.D.: MW-5 | Well Diameter: (2) 3 4 6 8 ____ |
| Total Well Depth (TD): 19.88 | Depth to Water (DTW): 7.60 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.05 | |

Purge Method: (Bailer)
Disposable Bailer
Positive Air Displacement
Electric Submersible
Waterra
Peristaltic
Extraction Pump
Other_____

Sampling Method: (Bailer)
Disposable Bailer
Extraction Port
Dedicated Tubing
Other: _____

| 2.0 (Gals.) X | 3 | = | 6.0 Gals. |
|---|---|---|---|
| 1 Case Volume | Specified Volumes | | Calculated Volume |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 934 | 63.6 | 6.0 | 706 | 411 | 2 | |
| 937 | 63.3 | 6.4 | 700 | 469 | 4 | |
| 941 | 63.1 | 6.4 | 701 | 895 | 6 | |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Date: 7-23-09 Sampling Time: 0945 Depth to Water: 10.02

Sample I.D.: MW-5 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D (Oxygenates (5)) (Other:) TBA, ETHANOL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | | |
|---|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | | mV | Post-purge: | mV |

# SHE. . WELL MONITORING DAT.. SHEET

| | |
|---|---|
| BTS #: 090723-FS1 | Site: 4255 MACARTHUR BLVD. OAKLAND, CA |
| Sampler: FS | Date: 7-23-09 |
| Well I.D.: MW-6 | Well Diameter: (2) 3 4 6 8 ____ |
| Total Well Depth (TD): 23.50 | Depth to Water (DTW): 11.09 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.57 | |

Purge Method: (Bailer)
Disposable Bailer
Positive Air Displacement
Electric Submersible
Waterra
Peristaltic
Extraction Pump
Other_____

Sampling Method: (Bailer)
Disposable Bailer
Extraction Port
Dedicated Tubing
Other: _____

| 2.0 (Gals.) X | 3 | = | 6.0 Gals. |
|---|---|---|---|
| 1 Case Volume | Specified Volumes | | Calculated Volume |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1206 | 66.9 | 6.9 | 1212 | 514 | 2 | |
| 1209 | 66.4 | 6.7 | 1201 | >1000 | 4 | |
| 1212 | 66.1 | 6.7 | 1198 | >1000 | 6 | |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Date: 7-23-09 Sampling Time: 1218 Depth to Water: 11.73

Sample I.D.: MW-6 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D (Oxygenates (5)) (Other:) TBA, ETHANOL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# SHE_ _ WELL MONITORING DAT_ SHEET

| | |
|---|---|
| BTS #: 090723-FS1 | Site: 4255 MACARTHUR BLVD. OAKLAND, CA |
| Sampler: FS | Date: 7-23-09 |
| Well I.D.: MW-7 | Well Diameter: 2 3 (4) 6 8 ____ |
| Total Well Depth (TD): 28.94 | Depth to Water (DTW): 9.10 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.06 | |

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

| 12.9 (Gals.) X | 3 | = | 38.7 Gals. |
|---|---|---|---|
| 1 Case Volume | Specified Volumes | | Calculated Volume |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1052 | 68.3 | 7.2 | 881 | 6 | 13 | |
| 1054 | 67.3 | 7.0 | 855 | 5 | 26 | |
| — WELL | DEWATERED @ | | 28 | GALS — | | DTW: 25.05 |
| | | | | | | |
| 1335 | 67.5 | 7.5 | 866 | 11 | — | |

Did well dewater? (Yes) No Gallons actually evacuated: 28

Sampling Date: 7-23-09 Sampling Time: 1335 Depth to Water: 22.33 (2 hour

Sample I.D.: MW-7 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D (Oxygenates (5)) (Other:) TBA, ETHANOL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# SHEET WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 090723-FS1 | Site: 4255 MACARTHUR BLVD. OAKLAND, CA |
| Sampler: FS | Date: 7-23-09 |
| Well I.D.: MW-8 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth (TD): 29.72 | Depth to Water (DTW): 4.92 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.88 | |

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

| 1 Case Volume | Specified Volumes | Calculated Volume |
|---|---|---|
| 16.2 (Gals.) X | 3 = | 48.6 Gals. |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1113 | 69.8 | 7.0 | 1003 | 5 | 16.5 | |
| 1115 | 67.9 | 7.0 | 1029 | 120 | 33 | |
| — WELL DEWATERED @ | | | | 40 GALLONS | | DTW = 26.22 |
| | | | | | | |
| 1348 | 68.7 | 7.2 | 1012 | 8 | — | |

Did well dewater? (Yes) No Gallons actually evacuated: 40

Sampling Date: 7-23-09 Sampling Time: 1348 Depth to Water: 7.77

Sample I.D.: MW-8 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D (Oxygenates (5)) (Other:) TBA, ETHANOL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# SHE[illegible] WELL MONITORING DAT[illegible] SHEET

| | |
|---|---|
| BTS #: 090723-FS1 | Site: 4255 MACARTHUR BLVD. OAKLAND, CA |
| Sampler: FS | Date: 7-23-09 |
| Well I.D.: MW-9 | Well Diameter: 2 3 (4) 6 8 ____ |
| Total Well Depth (TD): 24.43 | Depth to Water (DTW): 7.05 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.52 | |

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

| 11.3 (Gals.) X | 3 | = | 33.9 Gals. |
|---|---|---|---|
| 1 Case Volume | Specified Volumes | | Calculated Volume |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

| Time | Temp (°F) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1142 | 70.4 | 7.0 | 847 | 57 | 12 | |
| 1144 | 68.4 | 6.8 | 875 | 89 | 23 | |
| — WELL | DEWATERED | | @ 30 | GALLONS — DTW: 20.98 | | |
| | | | | | | |
| 1410 | 67.9 | 7.0 | 934 | 50 | — | |

Did well dewater? (Yes) No Gallons actually evacuated: 30

Sampling Date: 7-23-09 Sampling Time: 1410 Depth to Water: ~~20.98~~ 1441 B (2 h

Sample I.D.: MW-9 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D (Oxygenates (5)) (Other:) TBA, ETHANOL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 4255 MACARTHUR BLVD. OAKLAND Date ~~4/25~~ 7/23/09

Job Number 090723-FS1 Technician F. SRIWONGTONG Page 1 of 1

| Well ID | Well Inspected - No Corrective Action Required | Well Box Meets Compliance Requirements *See Below | Water Bailed From Wellbox | Cap Replaced | Lock Replaced | Well Not Inspected (explain in notes) | New Deficiency Identified | Previously Identified Deficiency Persists | Notes |
|---|---|---|---|---|---|---|---|---|---|
| MW-1 | | ✓ | | | | | | ✓ | 1/2 BOLTS MISSING/TAB BRK |
| MW-2 | | ✓ | | | | | | | 2/2 TABS STRIPPED |
| MW-3 | ✓ | ✓ | | | | | | | |
| MW-4 | ✓ | ✓ | | | | | | | |
| MW-5 | ✓ | ✓ | | | | | | | |
| MW-6 | ✓ | ~~✓~~ | | | | | | | NO TAG |
| MW-7 | ✓ | | | | | | | | |
| MW-8 | ✓ | | | | | | | | |
| MW-9 | ✓ | ~~✓~~ | | | | | | | NO TAG |
| | | | | | | | | | |
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*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12"or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes:

# APPENDIX B

## 76 SERVICE STATION NO. 1156 -
## GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS

**Table 1**

**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**July 23, 2009**

**76 Station 1156**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8015 (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | **(Screen Interval in feet: 5.0-25.0)** | | | | | | | | | | | |
| 07/23/09 | 177.54 | 6.04 | 0.00 | 171.50 | -0.93 | 85000 | -- | 5800 | 15000 | 3500 | 13000 | -- | 140 | |
| **MW-2** | | | **(Screen Interval in feet: 5.0-25.0)** | | | | | | | | | | | |
| 07/23/09 | 173.50 | 4.39 | 0.00 | 169.11 | -0.66 | 700 | -- | 12 | 6.0 | 5.4 | 13 | -- | 390 | |
| **MW-3** | | | **(Screen Interval in feet: 5.0-25.0)** | | | | | | | | | | | |
| 07/23/09 | 178.13 | 7.20 | 0.00 | 170.93 | -0.92 | 3400 | -- | 180 | 150 | 360 | 650 | -- | 120 | |
| **MW-4** | | | **(Screen Interval in feet: 5.0-25.0)** | | | | | | | | | | | |
| 07/23/09 | 178.96 | 6.01 | 0.00 | 172.95 | -1.27 | 360 | -- | 33 | 2.3 | 5.4 | 18 | -- | 92 | |
| **MW-5** | | | **(Screen Interval in feet: 5.0-25.0)** | | | | | | | | | | | |
| 07/23/09 | 169.18 | 2.33 | 0.00 | 166.85 | -0.52 | 210 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | 210 | |
| **MW-6** | | | **(Screen Interval in feet: 5.0-25.0)** | | | | | | | | | | | |
| 07/23/09 | 169.04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Paved over |
| **MW-7** | | | **(Screen Interval in feet: 5.0-25.0)** | | | | | | | | | | | |
| 07/23/09 | 171.64 | 7.32 | 0.00 | 164.32 | -0.49 | 920 | -- | ND<0.30 | 0.73 | ND<0.30 | ND<0.60 | -- | 900 | |
| **MW-8** | | | **(Screen Interval in feet: 15.0-25.0)** | | | | | | | | | | | |
| 07/23/09 | 167.97 | 1.10 | 0.00 | 166.87 | -1.02 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | ND<0.50 | |



TRC

**Table 1 a**
**ADDITIONAL CURRENT ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | TPH-D (µg/l) | TBA (µg/l) | Ethanol (8260B) (µg/l) | Ethylene-dibromide (EDB) (µg/l) | 1,2-DCA (EDC) (µg/l) | DIPE (µg/l) | ETBE (µg/l) | TAME (µg/l) | Post-purge Dissolved Oxygen (mg/l) | Pre-purge Dissolved Oxygen (mg/l) | Pre-purge ORP (mV) | Post-purge ORP (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | | | | | | | | | | |
| 07/23/09 | 2800 | ND<2000 | ND<50000 | ND<100 | ND<100 | ND<100 | ND<100 | ND<100 | -- | 2.47 | -23 | -- |
| **MW-2** | | | | | | | | | | | | |
| 07/23/09 | 230 | 5000 | ND<2500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | 7.09 | 2.57 | 56 | 14 |
| **MW-3** | | | | | | | | | | | | |
| 07/23/09 | 310 | ND<100 | ND<2500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | 6.14 | 5.14 | -22 | -56 |
| **MW-4** | | | | | | | | | | | | |
| 07/23/09 | 85 | 42 | ND<250 | ND<0.50 | 1.5 | ND<0.50 | ND<0.50 | ND<0.50 | 7.23 | 2.10 | -28 | -48 |
| **MW-5** | | | | | | | | | | | | |
| 07/23/09 | ND<50 | ND<10 | ND<250 | ND<0.50 | 1.8 | ND<0.50 | ND<0.50 | ND<0.50 | 2.08 | 1.54 | 136 | 144 |
| **MW-7** | | | | | | | | | | | | |
| 07/23/09 | ND<50 | 370 | ND<2500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | 0.76 | 1.35 | 165 | 165 |
| **MW-8** | | | | | | | | | | | | |
| 07/23/09 | ND<50 | ND<10 | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 8.40 | 4.57 | 196 | 185 |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**July 1999 Through July 2009**

**76 Station 1156**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8015 (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | **(Screen Interval in feet: 5.0-25.0)** | | | | | | | | | | | |
| 07/20/99 | 174.86 | 7.50 | 0.00 | 167.36 | -- | 120000 | -- | 11000 | 27000 | 3300 | 18000 | ND | -- | |
| 09/28/99 | 174.86 | 8.75 | 0.00 | 166.11 | -1.25 | 6020 | -- | 1030 | 1040 | 68.5 | 412 | 321 | 333 | |
| 01/07/00 | 174.86 | 9.05 | 0.02 | 165.82 | -0.29 | 72700 | -- | 7410 | 13900 | 2070 | 9620 | ND | -- | GWE corrected |
| 03/31/00 | 174.86 | 7.18 | 0.00 | 167.68 | 1.86 | 92000 | -- | 10000 | 23000 | 3200 | 14000 | ND | -- | |
| 07/14/00 | 174.86 | 7.68 | 0.00 | 167.18 | -0.50 | 108000 | -- | 8250 | 18700 | 3750 | 17800 | ND | -- | |
| 10/03/00 | 174.86 | 7.99 | 0.00 | 166.87 | -0.31 | 96000 | -- | 8760 | 20000 | 3350 | 15600 | ND | -- | |
| 01/03/01 | 174.86 | 9.18 | 0.00 | 165.68 | -1.19 | 37000 | -- | 5800 | 13000 | 1700 | 8100 | 2200 | -- | |
| 04/04/01 | 174.86 | 8.05 | 0.00 | 166.81 | 1.13 | 86900 | -- | 7780 | 18500 | 2470 | 11800 | ND | 481 | |
| 07/17/01 | 174.86 | 7.01 | 0.00 | 167.85 | 1.04 | 79000 | -- | 5600 | 11000 | 2800 | 12000 | ND | 230 | |
| 10/03/01 | 177.54 | 7.89 | 0.00 | 169.65 | 1.80 | 99000 | -- | 8200 | 18000 | 3000 | 16000 | ND<2500 | -- | |
| 10/05/01 | 177.54 | 7.91 | 0.00 | 169.63 | -0.02 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/28/02 | 177.54 | 5.98 | 0.00 | 171.56 | 1.93 | 110000 | -- | 8900 | 19000 | 2600 | 12000 | 3000 | 440 | |
| 04/25/02 | 177.54 | 6.19 | 0.00 | 171.35 | -0.21 | 93000 | -- | 8100 | 18000 | 3000 | 15000 | 810 | 670 | |
| 07/18/02 | 177.54 | 6.99 | 0.00 | 170.55 | -0.80 | 69000 | -- | 5400 | 10000 | 2100 | 10000 | ND<500 | 620 | |
| 10/07/02 | 177.54 | 7.73 | 0.00 | 169.81 | -0.74 | 82000 | -- | 9200 | 20000 | 2600 | 13000 | 1300 | 760 | |
| 01/06/03 | 177.54 | 5.48 | 0.00 | 172.06 | 2.25 | 82000 | -- | 6500 | 18000 | 2700 | 11000 | ND<1000 | 790 | |
| 04/07/03 | 177.54 | 6.30 | 0.00 | 171.24 | -0.82 | 74000 | -- | 7000 | 15000 | 2400 | 11000 | 1000 | 800 | |
| 07/07/03 | 177.54 | 6.47 | 0.00 | 171.07 | -0.17 | 60000 | -- | 6400 | 11000 | 2600 | 11000 | 600 | 530 | |
| 10/09/03 | 177.54 | 7.85 | 0.00 | 169.69 | -1.38 | 91000 | 81000 | 8100 | 17000 | 3200 | 14000 | -- | 660 | Sampled for TPH-G by 8015M on 11/14/2003 |
| 01/14/04 | 177.54 | 6.69 | 0.00 | 170.85 | 1.16 | 98000 | -- | 8000 | 21000 | 2600 | 15000 | ND<1300 | ND<800 | |
| 04/28/04 | 177.54 | 6.43 | 0.00 | 171.11 | 0.26 | 93000 | -- | 9000 | 20000 | 1300 | 10000 | 1400 | 560 | |
| 07/12/04 | 177.54 | 7.44 | 0.00 | 170.10 | -1.01 | 57000 | -- | 6900 | 7200 | 1600 | 580 | 490 | 440 | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**July 1999 Through July 2009**

**76 Station 1156**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8015 (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1 continued** | | | | | | | | | | | | | | |
| 10/25/04 | 177.54 | 7.54 | 0.00 | 170.00 | -0.10 | 66000 | -- | 7300 | 19000 | 2700 | 14000 | ND<1300 | 330 | |
| 01/17/05 | 177.54 | 5.79 | 0.00 | 171.75 | 1.75 | 86000 | -- | 8600 | 21000 | 3200 | 15000 | ND<1300 | 570 | |
| 04/06/05 | 177.54 | 4.93 | 0.00 | 172.61 | 0.86 | 85000 | -- | 8400 | 20000 | 3200 | 16000 | ND<1300 | 580 | |
| 07/08/05 | 177.54 | 5.35 | 0.00 | 172.19 | -0.42 | 69000 | -- | 7100 | 17000 | 2700 | 14000 | ND<1300 | 290 | |
| 10/07/05 | 177.54 | 5.96 | 0.00 | 171.58 | -0.61 | 68000 | -- | 5900 | 8300 | 1800 | 8300 | 330 | 250 | |
| 01/27/06 | 177.54 | 5.08 | 0.00 | 172.46 | 0.88 | 94000 | -- | 7400 | 19000 | 3700 | 14000 | 450 | 360 | |
| 04/28/06 | 177.54 | 4.85 | 0.00 | 172.69 | 0.23 | 74000 | -- | 6400 | 13000 | 2300 | 10000 | 460 | 280 | |
| 07/28/06 | 177.54 | 5.32 | 0.00 | 172.22 | -0.47 | 74000 | -- | 6600 | 12000 | 3100 | 13000 | 330 | 220 | |
| 10/27/06 | 177.54 | 6.13 | 0.00 | 171.41 | -0.81 | 100000 | -- | 8300 | 20000 | 3600 | 16000 | 280 | 250 | |
| 01/10/07 | 177.54 | 5.47 | 0.00 | 172.07 | 0.66 | 84000 | -- | 7100 | 15000 | 2600 | 13000 | 350 | 260 | |
| 04/13/07 | 177.54 | 5.60 | 0.00 | 171.94 | -0.13 | 27000 | -- | 5600 | 840 | 2300 | 3200 | 270 | 220 | |
| 07/19/07 | 177.54 | 5.69 | 0.00 | 171.85 | -0.09 | 83000 | -- | 6000 | 15000 | 2600 | 13000 | 1000 | 200 | |
| 10/08/07 | 177.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Gate locked; no key available |
| 01/09/08 | 177.54 | 5.15 | 0.00 | 172.39 | -- | 40000 | -- | 6000 | 4800 | 2600 | 5100 | 840 | 170 | Gauged on 1/18/2008 |
| 04/04/08 | 177.54 | 5.25 | 0.00 | 172.29 | -0.10 | 71000 | -- | 6800 | 12000 | 3300 | 13000 | -- | 160 | |
| 07/03/08 | 177.54 | 6.00 | 0.00 | 171.54 | -0.75 | 92000 | -- | 7000 | 16000 | 3500 | 15000 | -- | 110 | |
| 10/03/08 | 177.54 | 7.16 | 0.00 | 170.38 | -1.16 | 69000 | -- | 7200 | 18000 | 3500 | 14000 | -- | 180 | |
| 01/22/09 | 177.54 | 6.61 | 0.00 | 170.93 | 0.55 | 45000 | -- | 410 | 720 | 2400 | 9600 | -- | 160 | |
| 04/13/09 | 177.54 | 5.11 | 0.00 | 172.43 | 1.50 | 5400 | -- | 300 | 640 | 300 | 940 | -- | 150 | |
| 07/23/09 | 177.54 | 6.04 | 0.00 | 171.50 | -0.93 | 85000 | -- | 5800 | 15000 | 3500 | 13000 | -- | 140 | |
| **MW-2** | | | **(Screen Interval in feet: 5.0-25.0)** | | | | | | | | | | | |
| 07/20/99 | 173.01 | 5.40 | -- | 167.61 | -- | ND | -- | ND | ND | ND | ND | 4500 | 11000 | |
| 09/28/99 | 173.01 | 5.60 | 0.00 | 167.41 | -0.20 | 1390 | -- | 124 | ND | 62.9 | 43.1 | 5280 | 6150 | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**July 1999 Through July 2009**

**76 Station 1156**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8015 (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-2 continued** | | | | | | | | | | | | | | |
| 01/07/00 | 173.01 | 5.92 | 0.00 | 167.09 | -0.32 | 1450 | -- | 99 | ND | 23.8 | 16 | 33100 | -- | |
| 03/31/00 | 173.01 | 5.23 | 0.00 | 167.78 | 0.69 | ND | -- | 42 | ND | ND | ND | 17000 | -- | |
| 07/14/00 | 173.01 | 5.52 | 0.00 | 167.49 | -0.29 | ND | -- | 44.7 | ND | ND | ND | 66500 | -- | |
| 10/03/00 | 173.01 | 6.04 | 0.00 | 166.97 | -0.52 | ND | -- | 56.7 | ND | ND | ND | 57500 | -- | |
| 01/03/01 | 173.01 | 6.42 | 0.00 | 166.59 | -0.38 | ND | -- | ND | ND | ND | ND | 49000 | -- | |
| 04/04/01 | 173.01 | 6.14 | 0.00 | 166.87 | 0.28 | ND | -- | ND | ND | ND | ND | 38700 | 37800 | |
| 07/17/01 | 173.01 | 5.30 | 0.00 | 167.71 | 0.84 | ND | -- | ND | ND | ND | ND | 65000 | 56000 | |
| 10/03/01 | 173.50 | 7.38 | 0.00 | 166.12 | -1.59 | ND<250 | -- | 2.7 | ND<2.5 | ND<2.5 | ND<2.5 | 14000 | 18000 | |
| 01/28/02 | 173.50 | 5.68 | 0.00 | 167.82 | 1.70 | ND<250 | -- | 2.5 | 4.4 | 2.8 | 7.4 | 11000 | 10000 | |
| 04/25/02 | 173.50 | 5.82 | 0.00 | 167.68 | -0.14 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 8400 | 8100 | |
| 07/18/02 | 173.50 | 6.90 | 0.00 | 166.60 | -1.08 | ND<500 | -- | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | 4300 | 8800 | |
| 10/07/02 | 173.50 | 7.54 | 0.00 | 165.96 | -0.64 | 4300 | -- | ND<10 | 27 | 21 | 75 | 7100 | 5900 | |
| 01/06/03 | 173.50 | 6.79 | 0.00 | 166.71 | 0.75 | 5900 | -- | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | 31000 | 35000 | |
| 04/07/03 | 173.50 | 6.49 | 0.00 | 167.01 | 0.30 | 1500 | -- | ND<10 | 14 | 11 | 38 | 2000 | 1500 | |
| 07/07/03 | 173.50 | 6.72 | 0.00 | 166.78 | -0.23 | ND<2500 | -- | ND<25 | ND<25 | ND<25 | ND<25 | 5500 | 8300 | |
| 10/09/03 | 173.50 | 7.16 | 0.00 | 166.34 | -0.44 | 3500 | ND<5000 | ND<50 | ND<50 | ND<50 | ND<100 | -- | 8500 | Sampled for TPH-G by 8015M on 11/14/2003 |
| 01/14/04 | 173.50 | 5.53 | 0.00 | 167.97 | 1.63 | 3200 | -- | ND<25 | ND<25 | ND<25 | ND<25 | 2600 | 3200 | |
| 04/28/04 | 173.50 | 5.21 | 0.00 | 168.29 | 0.32 | 22000 | -- | ND<3 | 9.2 | ND<3 | ND<6 | 35000 | 22000 | |
| 07/12/04 | 173.50 | 5.83 | 0.00 | 167.67 | -0.62 | 1700 | -- | 3.8 | 18 | 2.6 | 16 | 3000 | 3000 | |
| 10/25/04 | 173.50 | 6.89 | 0.00 | 166.61 | -1.06 | 3400 | -- | ND<25 | ND<25 | ND<25 | ND<25 | 1800 | 1600 | |
| 01/17/05 | 173.50 | 5.70 | 0.00 | 167.80 | 1.19 | 1700 | -- | ND<10 | ND<10 | ND<10 | ND<10 | 1600 | 1500 | |
| 04/06/05 | 173.50 | 4.50 | 0.00 | 169.00 | 1.20 | 3000 | -- | ND<20 | ND<20 | ND<20 | ND<20 | 2500 | 3200 | |



TRC

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**July 1999 Through July 2009**

**76 Station 1156**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8015 (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-2 continued** | | | | | | | | | | | | | | |
| 07/08/05 | 173.50 | 4.69 | 0.00 | 168.81 | -0.19 | ND<2000 | -- | ND<20 | ND<20 | ND<20 | ND<20 | 2900 | 3100 | |
| 10/07/05 | 173.50 | 4.61 | 0.00 | 168.89 | 0.08 | 7500 | -- | 6.7 | 6.6 | ND<3.0 | ND<6.0 | 5900 | 5200 | |
| 01/27/06 | 173.50 | 4.10 | 0.00 | 169.40 | 0.51 | 2500 | -- | 1.0 | 2.6 | ND<0.30 | ND<0.60 | 2600 | 2800 | |
| 04/28/06 | 173.50 | 3.75 | 0.00 | 169.75 | 0.35 | 3100 | -- | 9.4 | 3.6 | 0.94 | 3.4 | 3700 | 3600 | |
| 07/28/06 | 173.50 | 4.34 | 0.00 | 169.16 | -0.59 | 3000 | -- | 2.0 | ND<1.5 | ND<1.5 | ND<3.0 | 3000 | 2900 | |
| 10/27/06 | 173.50 | 5.62 | 0.00 | 167.88 | -1.28 | 1800 | -- | 1.5 | ND<1.5 | ND<1.5 | ND<3.0 | 1600 | 1300 | |
| 01/10/07 | 173.50 | 4.02 | 0.00 | 169.48 | 1.60 | 2100 | -- | 1.1 | ND<0.60 | ND<0.60 | ND<1.2 | 2300 | 2000 | |
| 04/13/07 | 173.50 | 4.03 | 0.00 | 169.47 | -0.01 | 3300 | -- | 12 | 1.6 | 0.46 | 1.1 | 3600 | 3200 | |
| 07/19/07 | 173.50 | 4.41 | 0.00 | 169.09 | -0.38 | 2500 | -- | 21 | 0.64 | 5.1 | 1.5 | 2000 | 2000 | |
| 10/08/07 | 173.50 | 4.93 | 0.00 | 168.57 | -0.52 | 3400 | -- | 38 | 1.6 | 13 | 2.1 | 5000 | 4000 | |
| 01/09/08 | 173.50 | 3.03 | 0.00 | 170.47 | 1.90 | 1700 | -- | 6.2 | 2.5 | 0.61 | 0.91 | 2100 | 2200 | Gauged on 1/18/2008 |
| 04/04/08 | 173.50 | 3.52 | 0.00 | 169.98 | -0.49 | 1400 | -- | 15 | 2.1 | 0.76 | ND<0.60 | -- | 2100 | |
| 07/03/08 | 173.50 | 4.70 | 0.00 | 168.80 | -1.18 | 1100 | -- | 14 | 1.1 | 2.0 | 1.2 | -- | 1400 | |
| 10/03/08 | 173.50 | 5.57 | 0.00 | 167.93 | -0.87 | 740 | -- | 14 | ND<0.30 | 4.5 | 6.9 | -- | 750 | |
| 01/22/09 | 173.50 | 5.03 | 0.00 | 168.47 | 0.54 | 640 | -- | 4.6 | ND<0.30 | ND<0.30 | ND<0.60 | -- | 850 | |
| 04/13/09 | 173.50 | 3.73 | 0.00 | 169.77 | 1.30 | 940 | -- | 7.1 | ND<0.30 | ND<0.30 | ND<0.60 | -- | 990 | |
| 07/23/09 | 173.50 | 4.39 | 0.00 | 169.11 | -0.66 | 700 | -- | 12 | 6.0 | 5.4 | 13 | -- | 390 | |
| **MW-3** | | | **(Screen Interval in feet: 5.0-25.0)** | | | | | | | | | | | |
| 07/20/99 | 178.44 | 8.50 | -- | 169.94 | -- | 1000 | -- | 76 | 52 | 79 | 76 | 330 | -- | |
| 09/28/99 | 178.44 | 8.31 | 0.00 | 170.13 | 0.19 | 1860 | -- | 174 | 95.4 | 71.8 | 135 | 443 | 288 | |
| 01/07/00 | 178.44 | 8.56 | 0.00 | 169.88 | -0.25 | 28400 | -- | 2450 | 3090 | 1560 | 3910 | 1940 | -- | |
| 03/31/00 | 178.44 | 8.42 | 0.00 | 170.02 | 0.14 | 26000 | -- | 1300 | 2900 | 2600 | 3500 | 2800 | -- | |
| 07/14/00 | 178.44 | 8.61 | 0.00 | 169.83 | -0.19 | 24500 | -- | 1850 | 2630 | 2750 | 3900 | 548 | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**July 1999 Through July 2009**

**76 Station 1156**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8015 (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-3 continued** | | | | | | | | | | | | | | |
| 10/03/00 | 178.44 | 9.14 | 0.00 | 169.30 | -0.53 | 22000 | -- | 1910 | 2020 | 2400 | 2680 | 965 | -- | |
| 01/03/01 | 178.44 | 9.06 | 0.00 | 169.38 | 0.08 | 14000 | -- | 1600 | 1100 | 2300 | 1400 | 3300 | -- | |
| 04/04/01 | 178.44 | 8.98 | 0.00 | 169.46 | 0.08 | 19600 | -- | 1150 | 1470 | 2100 | 1820 | 1050 | 450 | |
| 07/17/01 | 178.44 | 7.46 | 0.00 | 170.98 | 1.52 | 26000 | -- | 1500 | 2100 | 2100 | 3400 | ND | 350 | |
| 10/03/01 | 178.13 | 9.81 | 0.00 | 168.32 | -2.66 | 22000 | -- | 830 | 1900 | 1700 | 3000 | ND<1000 | -- | |
| 01/28/02 | 178.13 | 7.39 | 0.00 | 170.74 | 2.42 | 30000 | -- | 880 | 2600 | 1800 | 4300 | 3200 | 210 | |
| 04/25/02 | 178.13 | 7.86 | 0.00 | 170.27 | -0.47 | 18000 | -- | 500 | 2000 | 1300 | 3800 | 500 | 260 | |
| 07/18/02 | 178.13 | 8.83 | 0.00 | 169.30 | -0.97 | 37000 | -- | 1800 | 3800 | 2200 | 8000 | ND<250 | 270 | |
| 10/07/02 | 178.13 | 9.71 | 0.00 | 168.42 | -0.88 | 26000 | -- | 600 | 2000 | 1800 | 6400 | ND<120 | ND<200 | |
| 01/06/03 | 178.13 | 7.40 | 0.00 | 170.73 | 2.31 | 27000 | -- | 800 | 2100 | 2000 | 6400 | 440 | 110 | |
| 04/07/03 | 178.13 | 8.17 | 0.00 | 169.96 | -0.77 | 28000 | -- | 660 | 2200 | 1900 | 6300 | 440 | 100 | |
| 07/07/03 | 178.13 | 8.35 | 0.00 | 169.78 | -0.18 | 33000 | -- | 1200 | 2500 | 2700 | 8300 | 280 | 100 | |
| 10/09/03 | 178.13 | 9.39 | 0.00 | 168.74 | -1.04 | 3800 | 6000 | 120 | 260 | 390 | 1200 | -- | 190 | Sampled for TPH-G by 8015M on 11/14/2003 |
| 01/14/04 | 178.13 | 6.86 | 0.00 | 171.27 | 2.53 | 5100 | -- | 120 | 240 | 310 | 720 | 190 | 230 | |
| 04/28/04 | 178.13 | 6.63 | 0.00 | 171.50 | 0.23 | 7300 | -- | 250 | 440 | 580 | 1300 | 740 | 240 | |
| 07/12/04 | 178.13 | 7.41 | 0.00 | 170.72 | -0.78 | 5500 | -- | 350 | 310 | 120 | 350 | 180 | 100 | |
| 10/25/04 | 178.13 | 8.81 | 0.00 | 169.32 | -1.40 | 3300 | -- | 96 | 140 | 270 | 490 | 94 | 260 | |
| 01/17/05 | 178.13 | 6.37 | 0.00 | 171.76 | 2.44 | 3400 | -- | 150 | 270 | 360 | 750 | 55 | 200 | |
| 04/06/05 | 178.13 | 4.69 | 0.00 | 173.44 | 1.68 | 14000 | -- | 420 | 1300 | 1000 | 3100 | ND<250 | 200 | |
| 07/08/05 | 178.13 | 5.23 | 0.00 | 172.90 | -0.54 | 5000 | -- | 180 | 290 | 500 | 800 | ND<250 | 150 | |
| 10/07/05 | 178.13 | 6.35 | 0.00 | 171.78 | -1.12 | 6800 | -- | 270 | 120 | ND<0.30 | 210 | 260 | 180 | |
| 01/27/06 | 178.13 | 5.24 | 0.00 | 172.89 | 1.11 | 3200 | -- | 120 | 140 | 270 | 460 | 280 | 250 | |



TRC

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**July 1999 Through July 2009**

**76 Station 1156**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8015 (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-3 continued** | | | | | | | | | | | | | | |
| 04/28/06 | 178.13 | 5.01 | 0.00 | 173.12 | 0.23 | 4500 | -- | 130 | 250 | 380 | 670 | 230 | 180 | |
| 07/28/06 | 178.13 | 6.21 | 0.00 | 171.92 | -1.20 | 4700 | -- | 160 | 240 | 510 | 730 | 250 | 150 | |
| 10/27/06 | 178.13 | 6.93 | 0.00 | 171.20 | -0.72 | 3700 | -- | 150 | 160 | 460 | 530 | 250 | 140 | |
| 01/10/07 | 178.13 | 5.93 | 0.00 | 172.20 | 1.00 | 4800 | -- | 180 | 160 | 550 | 600 | 230 | 150 | |
| 04/13/07 | 178.13 | 6.10 | 0.00 | 172.03 | -0.17 | 5100 | -- | 180 | 240 | 550 | 710 | 230 | 160 | |
| 07/19/07 | 178.13 | 6.51 | 0.00 | 171.62 | -0.41 | 2000 | -- | 110 | 64 | 220 | 190 | 190 | 180 | |
| 10/08/07 | 178.13 | 7.05 | 0.00 | 171.08 | -0.54 | 2100 | -- | 72 | 65 | 180 | 290 | 180 | 120 | |
| 01/09/08 | 178.13 | 3.65 | 0.00 | 174.48 | 3.40 | 4200 | -- | 200 | 160 | 510 | 580 | 290 | 120 | Gauged on 1/18/2008 |
| 04/04/08 | 178.13 | 5.69 | 0.00 | 172.44 | -2.04 | 7500 | -- | 270 | 390 | 810 | 1200 | -- | 120 | |
| 07/03/08 | 178.13 | 7.28 | 0.00 | 170.85 | -1.59 | 2300 | -- | 99 | 66 | 210 | 220 | -- | 190 | |
| 10/03/08 | 178.13 | 8.40 | 0.00 | 169.73 | -1.12 | 12000 | -- | 740 | 620 | 1500 | 2700 | -- | 71 | |
| 01/22/09 | 178.13 | 7.68 | 0.00 | 170.45 | 0.72 | 2000 | -- | 120 | 79 | 290 | 290 | -- | 130 | |
| 04/13/09 | 178.13 | 6.28 | 0.00 | 171.85 | 1.40 | 3600 | -- | 110 | 150 | 180 | 510 | -- | 120 | |
| 07/23/09 | 178.13 | 7.20 | 0.00 | 170.93 | -0.92 | 3400 | -- | 180 | 150 | 360 | 650 | -- | 120 | |
| **MW-4** | | | **(Screen Interval in feet: 5.0-25.0)** | | | | | | | | | | | |
| 07/20/99 | 179.10 | 7.40 | -- | 171.70 | -- | 69 | -- | 2.7 | 0.77 | ND | 7.1 | 100 | -- | |
| 09/28/99 | 179.10 | 7.19 | 0.00 | 171.91 | 0.21 | 4050 | -- | 1250 | 72 | 51.3 | 133 | 416 | 459 | |
| 01/07/00 | 179.10 | 8.98 | 0.00 | 170.12 | -1.79 | 7010 | -- | 2260 | 167 | 271 | 276 | 764 | -- | |
| 03/31/00 | 179.10 | 7.26 | 0.00 | 171.84 | 1.72 | 5500 | -- | 1800 | 230 | 330 | 400 | 1000 | -- | |
| 07/14/00 | 179.10 | 7.67 | 0.00 | 171.43 | -0.41 | 7940 | -- | 2810 | 332 | 450 | 247 | 1530 | -- | |
| 10/03/00 | 179.10 | 8.12 | 0.00 | 170.98 | -0.45 | 11400 | -- | 3110 | 437 | 519 | 816 | 1040 | -- | |
| 01/03/01 | 179.10 | 9.10 | 0.00 | 170.00 | -0.98 | 8600 | -- | 2500 | 340 | 480 | 960 | 850 | -- | |
| 04/04/01 | 179.10 | 8.63 | 0.00 | 170.47 | 0.47 | 9950 | -- | 2380 | 126 | 416 | 725 | 1140 | 819 | |



TRC

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**July 1999 Through July 2009**

**76 Station 1156**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8015 (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-4 continued** | | | | | | | | | | | | | | |
| 07/17/01 | 179.10 | 6.49 | 0.00 | 172.61 | 2.14 | 10000 | -- | 2300 | 110 | 410 | 800 | 1200 | 900 | |
| 10/03/01 | 178.96 | 7.01 | 0.00 | 171.95 | -0.66 | 7800 | -- | 2100 | 85 | 380 | 390 | 580 | 820 | |
| 01/28/02 | 178.96 | 6.21 | 0.00 | 172.75 | 0.80 | 12000 | -- | 2100 | 130 | 350 | 670 | 1100 | 500 | |
| 04/25/02 | 178.96 | 5.49 | 0.00 | 173.47 | 0.72 | 3300 | -- | 1300 | 42 | 270 | 250 | 680 | 600 | |
| 07/18/02 | 178.96 | 8.28 | 0.00 | 170.68 | -2.79 | 4800 | -- | 1300 | 71 | 290 | 220 | 530 | 760 | |
| 10/07/02 | 178.96 | 7.49 | 0.00 | 171.47 | 0.79 | 5100 | -- | 1400 | 110 | 330 | 380 | 650 | 540 | |
| 01/06/03 | 178.96 | 6.36 | 0.00 | 172.60 | 1.13 | 5600 | -- | 1100 | 57 | 260 | 320 | 370 | 520 | |
| 04/07/03 | 178.96 | 6.24 | 0.00 | 172.72 | 0.12 | 5100 | -- | 1100 | 55 | 190 | 370 | 550 | 420 | |
| 07/07/03 | 178.96 | 6.43 | 0.00 | 172.53 | -0.19 | 3000 | -- | 920 | 28 | 170 | 330 | 480 | 450 | |
| 10/09/03 | 178.96 | 7.97 | 0.00 | 170.99 | -1.54 | 530 | 700 | 100 | 2.2 | 5.4 | 14 | -- | 270 | Sampled for TPH-G by 8015M on 11/14/2003 |
| 01/14/04 | 178.96 | 6.30 | 0.00 | 172.66 | 1.67 | 530 | -- | 88 | 4.1 | 9.9 | 11 | 150 | 180 | |
| 04/28/04 | 178.96 | 5.68 | 0.00 | 173.28 | 0.62 | 1200 | -- | 200 | 5.3 | 21 | 13 | 490 | 310 | |
| 07/12/04 | 178.96 | 6.48 | 0.00 | 172.48 | -0.80 | 3600 | -- | 1000 | 14 | 260 | 72 | 710 | 470 | |
| 10/25/04 | 178.96 | 6.85 | 0.00 | 172.11 | -0.37 | 490 | -- | 34 | ND<2.5 | ND<2.5 | ND<2.5 | 200 | 170 | |
| 01/17/05 | 178.96 | 4.56 | 0.00 | 174.40 | 2.29 | 620 | -- | 100 | 2.6 | 15 | 8.0 | 240 | 200 | |
| 04/06/05 | 178.96 | 2.90 | 0.00 | 176.06 | 1.66 | 630 | -- | 81 | 9.6 | 16 | 41 | ND<25 | 26 | |
| 07/08/05 | 178.96 | 3.74 | 0.00 | 175.22 | -0.84 | 980 | -- | 170 | 24 | 44 | 140 | ND<25 | 64 | |
| 10/07/05 | 178.96 | 4.24 | 0.00 | 174.72 | -0.50 | 4900 | -- | 1100 | 11 | 110 | 110 | 370 | 310 | |
| 01/27/06 | 178.96 | 3.65 | 0.00 | 175.31 | 0.59 | 2800 | -- | 580 | 20 | 130 | 230 | 320 | 240 | |
| 04/28/06 | 178.96 | 3.94 | 0.00 | 175.02 | -0.29 | 710 | -- | 110 | 2.4 | 21 | 22 | 140 | 140 | |
| 07/28/06 | 178.96 | 4.63 | 0.00 | 174.33 | -0.69 | 550 | -- | 120 | 2.1 | 12 | 19 | 170 | 150 | |
| 10/27/06 | 178.96 | 5.19 | 0.00 | 173.77 | -0.56 | 260 | -- | 37 | 2.0 | 1.9 | 6.7 | 130 | 130 | |

**Table 2**
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**
**July 1999 Through July 2009**
**76 Station 1156**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8015 (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-4 continued** | | | | | | | | | | | | | | |
| 01/10/07 | 178.96 | 4.82 | 0.00 | 174.14 | 0.37 | 270 | -- | 29 | 0.72 | 1.8 | 2.7 | 160 | 150 | |
| 04/13/07 | 178.96 | 4.25 | 0.00 | 174.71 | 0.57 | 390 | -- | 53 | 1.2 | 3.1 | 4.1 | 210 | 160 | |
| 07/19/07 | 178.96 | 5.35 | 0.00 | 173.61 | -1.10 | 210 | -- | 8.0 | 1.0 | 1.4 | 4.5 | 120 | 130 | |
| 10/08/07 | 178.96 | 5.48 | 0.00 | 173.48 | -0.13 | 290 | -- | 17 | 2.3 | 3.8 | 14 | 160 | 150 | |
| 01/09/08 | 178.96 | 3.40 | 0.00 | 175.56 | 2.08 | 770 | -- | 190 | 5.9 | 21 | 40 | 210 | 220 | Gauged on 1/18/2008 |
| 04/04/08 | 178.96 | 4.20 | 0.00 | 174.76 | -0.80 | 180 | -- | 11 | 2.0 | 0.67 | 2.9 | -- | 110 | |
| 07/03/08 | 178.96 | 5.89 | 0.00 | 173.07 | -1.69 | 140 | -- | 4.5 | 1.3 | ND<0.30 | ND<0.60 | -- | 100 | |
| 10/03/08 | 178.96 | 7.34 | 0.00 | 171.62 | -1.45 | 430 | -- | 29 | 3.4 | 9.6 | 20 | -- | 100 | |
| 01/22/09 | 178.96 | 6.75 | 0.00 | 172.21 | 0.59 | 190 | -- | 25 | 1.7 | 0.87 | 1.5 | -- | 96 | |
| 04/13/09 | 178.96 | 4.74 | 0.00 | 174.22 | 2.01 | 290 | -- | 17 | 2.1 | 4.4 | 12 | -- | 88 | |
| 07/23/09 | 178.96 | 6.01 | 0.00 | 172.95 | -1.27 | 360 | -- | 33 | 2.3 | 5.4 | 18 | -- | 92 | |
| **MW-5** | | | **(Screen Interval in feet: 5.0-25.0)** | | | | | | | | | | | |
| 10/03/01 | 169.18 | 2.81 | 0.00 | 166.37 | -- | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 1800 | 2100 | |
| 01/28/02 | 169.18 | 1.88 | 0.00 | 167.30 | 0.93 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 650 | 550 | |
| 04/25/02 | 169.18 | 1.99 | 0.00 | 167.19 | -0.11 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 2200 | 2400 | |
| 07/18/02 | 169.18 | 2.49 | 0.00 | 166.69 | -0.50 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 530 | 690 | |
| 10/07/02 | 169.18 | 2.80 | 0.00 | 166.38 | -0.31 | 140 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 300 | 330 | |
| 01/06/03 | 169.18 | 1.86 | 0.00 | 167.32 | 0.94 | 120 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 410 | 350 | |
| 04/07/03 | 169.18 | 2.15 | 0.00 | 167.03 | -0.29 | 220 | -- | 0.53 | ND<0.50 | ND<0.50 | ND<0.50 | 450 | 420 | |
| 07/07/03 | 169.18 | 2.26 | 0.00 | 166.92 | -0.11 | 120 | -- | ND<1.2 | ND<1.2 | ND<1.2 | ND<1.2 | 220 | 200 | |
| 10/09/03 | 169.18 | 2.72 | 0.00 | 166.46 | -0.46 | 560 | 210 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | -- | 290 | Sampled for TPH-G by 8015M on 11/14/2003 |
| 01/14/04 | 169.18 | 2.00 | 0.00 | 167.18 | 0.72 | 560 | -- | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | 670 | 760 | |



TRC

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**July 1999 Through July 2009**

**76 Station 1156**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8015 (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-5 continued** | | | | | | | | | | | | | | |
| 04/28/04 | 169.18 | 2.01 | 0.00 | 167.17 | -0.01 | 760 | -- | ND<0.3 | 1.8 | ND<0.3 | ND<0.6 | 1200 | 790 | |
| 07/12/04 | 169.18 | 2.56 | 0.00 | 166.62 | -0.55 | 96 | -- | 1.8 | 3.3 | 0.54 | 3.6 | 2.8 | ND<0.5 | |
| 10/25/04 | 169.18 | 2.43 | 0.00 | 166.75 | 0.13 | 1100 | -- | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | 780 | 1100 | |
| 01/17/05 | 169.18 | 1.49 | 0.00 | 167.69 | 0.94 | 720 | -- | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | 530 | 550 | |
| 04/06/05 | 169.18 | 0.95 | 0.00 | 168.23 | 0.54 | 830 | -- | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | 600 | 760 | |
| 07/08/05 | 169.18 | 1.49 | 0.00 | 167.69 | -0.54 | ND<500 | -- | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | 570 | 630 | |
| 10/07/05 | 169.18 | 1.92 | 0.00 | 167.26 | -0.43 | 540 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | 530 | 490 | |
| 01/27/06 | 169.18 | 2.03 | 0.00 | 167.15 | -0.11 | 490 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | 580 | 610 | |
| 04/28/06 | 169.18 | 1.02 | 0.00 | 168.16 | 1.01 | 430 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | 590 | 520 | |
| 07/28/06 | 169.18 | 1.57 | 0.00 | 167.61 | -0.55 | 480 | -- | 0.34 | ND<0.30 | ND<0.30 | ND<0.60 | 440 | 420 | |
| 10/27/06 | 169.18 | 2.20 | 0.00 | 166.98 | -0.63 | 420 | -- | 0.34 | ND<0.30 | ND<0.30 | ND<0.60 | 460 | 390 | |
| 01/10/07 | 169.18 | 1.57 | 0.00 | 167.61 | 0.63 | 390 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | 430 | 420 | |
| 04/13/07 | 169.18 | 1.89 | 0.00 | 167.29 | -0.32 | 170 | -- | 3.8 | 5.9 | 1.5 | 3.8 | 160 | 120 | |
| 07/19/07 | 169.18 | 1.92 | 0.00 | 167.26 | -0.03 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | 19 | 23 | |
| 10/08/07 | 169.18 | 2.28 | 0.00 | 166.90 | -0.36 | 200 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | 310 | 280 | |
| 01/09/08 | 169.18 | 1.09 | 0.00 | 168.09 | 1.19 | 150 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | 170 | 170 | Gauged on 1/18/2008 |
| 04/04/08 | 169.18 | 1.72 | 0.00 | 167.46 | -0.63 | 210 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | 260 | |
| 07/03/08 | 169.18 | 2.27 | 0.00 | 166.91 | -0.55 | 260 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | 360 | |
| 10/03/08 | 169.18 | 2.80 | 0.00 | 166.38 | -0.53 | 200 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | 240 | |
| 01/22/09 | 169.18 | 2.45 | 0.00 | 166.73 | 0.35 | 130 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | 170 | |
| 04/13/09 | 169.18 | 1.81 | 0.00 | 167.37 | 0.64 | 190 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | 190 | |
| 07/23/09 | 169.18 | 2.33 | 0.00 | 166.85 | -0.52 | 210 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | 210 | |
| **MW-6** | | | **(Screen Interval in feet: 5.0-25.0)** | | | | | | | | | | | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**July 1999 Through July 2009**

**76 Station 1156**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8015 (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-6 continued** | | | | | | | | | | | | | | |
| 10/03/01 | 169.04 | 2.87 | 0.00 | 166.17 | -- | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 200 | 270 | |
| 01/28/02 | 169.04 | 1.82 | 0.00 | 167.22 | 1.05 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 04/25/02 | 169.04 | 2.01 | 0.00 | 167.03 | -0.19 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 07/18/02 | 169.04 | 2.44 | 0.00 | 166.60 | -0.43 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | ND<2.0 | |
| 10/07/02 | 169.04 | 2.72 | 0.00 | 166.32 | -0.28 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | ND<2.0 | |
| 01/06/03 | 169.04 | 1.90 | 0.00 | 167.14 | 0.82 | ND<50 | -- | 0.62 | 1.2 | 1.2 | 3.5 | ND<2.0 | ND<2.0 | |
| 04/07/03 | 169.04 | 2.02 | 0.00 | 167.02 | -0.12 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 46 | 46 | |
| 07/07/03 | 169.04 | 2.21 | 0.00 | 166.83 | -0.19 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.0 | ND<2.0 | |
| 10/09/03 | 169.04 | 2.71 | 0.00 | 166.33 | -0.50 | ND<50 | ND<50 | 0.95 | 3.0 | 1.4 | 5.5 | -- | ND<2.0 | Sampled for TPH-G by 8015M on 11/14/2003 |
| 01/14/04 | 169.04 | 2.00 | 0.00 | 167.04 | 0.71 | ND<50 | -- | ND<0.50 | 0.57 | ND<0.50 | 0.64 | ND<5.0 | ND<2.0 | |
| 04/28/04 | 169.04 | 2.18 | 0.00 | 166.86 | -0.18 | ND<50 | -- | 0.39 | 0.78 | ND<0.3 | ND<0.6 | ND<1 | ND<0.5 | |
| 07/12/04 | 169.04 | 2.69 | 0.00 | 166.35 | -0.51 | ND<50 | -- | ND<0.3 | ND<0.3 | ND<0.3 | ND<0.6 | 6.4 | ND<0.5 | |
| 10/25/04 | 169.04 | 2.46 | 0.00 | 166.58 | 0.23 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<5.0 | 0.57 | |
| 01/17/05 | 169.04 | 1.54 | 0.00 | 167.50 | 0.92 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<5.0 | ND<0.50 | |
| 04/06/05 | 169.04 | 1.15 | 0.00 | 167.89 | 0.39 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<5.0 | ND<0.50 | |
| 07/08/05 | 169.04 | 1.05 | 0.00 | 167.99 | 0.10 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<5.0 | ND<0.50 | |
| 10/07/05 | 169.04 | 1.90 | 0.00 | 167.14 | -0.85 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | ND<1.0 | ND<0.50 | |
| 01/27/06 | 169.04 | 1.32 | 0.00 | 167.72 | 0.58 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | ND<1.0 | ND<0.50 | |
| 04/28/06 | 169.04 | 0.00 | 0.00 | 169.04 | 1.32 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | ND<1.0 | ND<0.50 | |
| 07/28/06 | 169.04 | 1.68 | 0.00 | 167.36 | -1.68 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | ND<1.0 | ND<0.50 | |
| 10/27/06 | 169.04 | 1.98 | 0.00 | 167.06 | -0.30 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | ND<1.0 | ND<0.50 | |
| 01/10/07 | 169.04 | 1.60 | 0.00 | 167.44 | 0.38 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | ND<1.0 | ND<0.50 | |



TRC

**Table 2**
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**
**July 1999 Through July 2009**
**76 Station 1156**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8015 (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-6 continued** | | | | | | | | | | | | | | |
| 04/13/07 | 169.04 | 2.01 | 0.00 | 167.03 | -0.41 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | ND<1.0 | ND<0.50 | |
| 07/19/07 | 169.04 | 1.96 | 0.00 | 167.08 | 0.05 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | ND<1.0 | ND<0.50 | |
| 10/08/07 | 169.04 | 2.35 | 0.00 | 166.69 | -0.39 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | ND<1.0 | 0.80 | |
| 01/09/08 | 169.04 | 1.10 | 0.00 | 167.94 | 1.25 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | ND<1.0 | ND<0.50 | Gauged on 1/18/2008 |
| 04/04/08 | 169.04 | 1.60 | 0.00 | 167.44 | -0.50 | ND<50 | -- | ND<0.30 | 0.40 | ND<0.30 | 0.71 | -- | ND<0.50 | |
| 07/03/08 | 169.04 | 2.19 | 0.00 | 166.85 | -0.59 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | 1.4 | |
| 10/03/08 | 169.04 | 2.78 | 0.00 | 166.26 | -0.59 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | 1.8 | |
| 01/22/09 | 169.04 | 2.35 | 0.00 | 166.69 | 0.43 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | 1.2 | |
| 04/13/09 | 169.04 | 1.81 | 0.00 | 167.23 | 0.54 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | 0.72 | |
| 07/23/09 | 169.04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Paved over |
| **MW-7** | | | **(Screen Interval in feet: 5.0-25.0)** | | | | | | | | | | | |
| 10/03/01 | 171.64 | 7.62 | 0.00 | 164.02 | -- | 10000 | -- | 210 | ND<50 | ND<50 | 800 | 35000 | 40000 | |
| 01/28/02 | 171.64 | 7.21 | 0.00 | 164.43 | 0.41 | ND<1000 | -- | ND<10 | ND<10 | ND<10 | ND<10 | 42000 | 38000 | |
| 04/25/02 | 171.64 | 7.25 | 0.00 | 164.39 | -0.04 | ND<5000 | -- | 660 | ND<50 | ND<50 | ND<50 | 42000 | 45000 | |
| 07/18/02 | 171.64 | 8.12 | 0.00 | 163.52 | -0.87 | ND<5000 | -- | 130 | ND<50 | ND<50 | ND<50 | 51000 | 53000 | |
| 10/07/02 | 171.64 | 7.71 | 0.00 | 163.93 | 0.41 | 18000 | -- | ND<50 | ND<50 | ND<50 | ND<50 | 33000 | 38000 | |
| 01/06/03 | 171.64 | 7.63 | 0.00 | 164.01 | 0.08 | 410 | -- | 0.61 | 1.0 | 0.89 | 2.9 | 3900 | 3100 | |
| 04/07/03 | 171.64 | 7.58 | 0.00 | 164.06 | 0.05 | 13000 | -- | ND<20 | ND<20 | ND<20 | ND<20 | 32000 | 28000 | |
| 07/07/03 | 171.64 | 7.56 | 0.00 | 164.08 | 0.02 | 990 | -- | 8.2 | ND<0.50 | 1.2 | ND<0.50 | 36000 | 45000 | |
| 10/09/03 | 171.64 | 7.72 | 0.00 | 163.92 | -0.16 | 6800 | ND<13000 | ND<130 | ND<130 | ND<130 | ND<250 | -- | 20000 | Sampled for TPH-G by 8015M on 11/14/2003 |
| 01/14/04 | 171.64 | 6.97 | 0.00 | 164.67 | 0.75 | 19000 | -- | ND<100 | ND<100 | ND<100 | ND<100 | 20000 | 25000 | |
| 04/28/04 | 171.64 | 8.70 | 0.00 | 162.94 | -1.73 | 19000 | -- | ND<3 | ND<3 | ND<3 | ND<6 | 30000 | 21000 | |



TRC

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**July 1999 Through July 2009**

**76 Station 1156**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8015 (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-7 continued** | | | | | | | | | | | | | | |
| 07/12/04 | 171.64 | 9.44 | 0.00 | 162.20 | -0.74 | 12000 | -- | 28 | 14 | 330 | 200 | 12000 | 11000 | |
| 10/25/04 | 171.64 | 7.23 | 0.00 | 164.41 | 2.21 | 28000 | -- | ND<250 | ND<250 | ND<250 | ND<250 | 13000 | 14000 | |
| 01/17/05 | 171.64 | 6.30 | 0.00 | 165.34 | 0.93 | 15000 | -- | ND<100 | ND<100 | ND<100 | ND<100 | 17000 | 16000 | |
| 04/06/05 | 171.64 | 5.96 | 0.00 | 165.68 | 0.34 | 13000 | -- | ND<100 | ND<100 | ND<100 | ND<100 | 14000 | 17000 | |
| 07/08/05 | 171.64 | 6.45 | 0.00 | 165.19 | -0.49 | ND<10000 | -- | ND<100 | ND<100 | ND<100 | ND<100 | 8600 | 11000 | |
| 10/07/05 | 171.64 | 6.78 | 0.00 | 164.86 | -0.33 | 13000 | -- | ND<3.0 | ND<3.0 | ND<3.0 | ND<6.0 | 9400 | 9800 | |
| 01/27/06 | 171.64 | 5.82 | 0.00 | 165.82 | 0.96 | 8200 | -- | 0.64 | 1.6 | ND<0.30 | ND<0.60 | 9900 | 7900 | |
| 04/28/06 | 171.64 | 5.57 | 0.00 | 166.07 | 0.25 | 6900 | -- | 0.88 | 1.5 | 0.34 | 1.0 | 9600 | 11000 | |
| 07/28/06 | 171.64 | 6.67 | 0.00 | 164.97 | -1.10 | 5400 | -- | 5.2 | ND<3.0 | ND<3.0 | ND<6.0 | 5000 | 5300 | |
| 10/27/06 | 171.64 | 6.93 | 0.00 | 164.71 | -0.26 | 4500 | -- | ND<1.5 | ND<1.5 | ND<1.5 | ND<3.0 | 4700 | 3700 | |
| 01/10/07 | 171.64 | 6.41 | 0.00 | 165.23 | 0.52 | 4000 | -- | ND<1.2 | ND<1.2 | ND<1.2 | ND<2.4 | 4400 | 4400 | |
| 04/13/07 | 171.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Paved over |
| 07/19/07 | 171.64 | 7.10 | 0.00 | 164.54 | -- | 2700 | -- | 0.57 | ND<0.30 | ND<0.30 | ND<0.60 | 2700 | 3300 | |
| 10/08/07 | 171.64 | 7.42 | 0.00 | 164.22 | -0.32 | 1600 | -- | 0.47 | 0.49 | ND<0.30 | ND<0.60 | 2500 | 2200 | |
| 01/09/08 | 171.64 | 5.98 | 0.00 | 165.66 | 1.44 | 1500 | -- | 0.45 | 0.49 | ND<0.30 | ND<0.60 | 1900 | 1900 | Gauged on 1/18/2008 |
| 04/04/08 | 171.64 | 6.80 | 0.00 | 164.84 | -0.82 | 1800 | -- | 0.72 | 0.58 | ND<0.30 | ND<0.60 | -- | 2700 | |
| 07/03/08 | 171.64 | 7.31 | 0.00 | 164.33 | -0.51 | 1600 | -- | 0.45 | ND<0.30 | ND<0.30 | ND<0.60 | -- | 2300 | |
| 10/03/08 | 171.64 | 7.79 | 0.00 | 163.85 | -0.48 | 1300 | -- | 0.53 | 0.59 | ND<0.30 | ND<0.60 | -- | 1800 | |
| 01/22/09 | 171.64 | 7.26 | 0.00 | 164.38 | 0.53 | 890 | -- | 0.43 | 0.49 | ND<0.30 | ND<0.60 | -- | 1300 | |
| 04/13/09 | 171.64 | 6.83 | 0.00 | 164.81 | 0.43 | 1100 | -- | 0.46 | 0.30 | ND<0.30 | ND<0.60 | -- | 1200 | |
| 07/23/09 | 171.64 | 7.32 | 0.00 | 164.32 | -0.49 | 920 | -- | ND<0.30 | 0.73 | ND<0.30 | ND<0.60 | -- | 900 | |
| **MW-8** | | | **(Screen Interval in feet: 15.0-25.0)** | | | | | | | | | | | |
| 01/18/08 | 167.97 | 0.43 | 0.00 | 167.54 | -- | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | ND<1.0 | ND<0.50 | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**July 1999 Through July 2009**

**76 Station 1156**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G 8015 (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-8 continued** | | | | | | | | | | | | | | |
| 04/04/08 | 167.97 | 0.55 | 0.00 | 167.42 | -0.12 | ND<50 | -- | 0.76 | 1.6 | 0.72 | 2.3 | -- | ND<0.50 | |
| 07/03/08 | 167.97 | 0.91 | 0.00 | 167.06 | -0.36 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | ND<0.50 | |
| 10/03/08 | 167.97 | 1.71 | 0.00 | 166.26 | -0.80 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | ND<0.50 | |
| 01/22/09 | 167.97 | 1.59 | 0.00 | 166.38 | 0.12 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | ND<0.50 | |
| 04/13/09 | 167.97 | 0.08 | 0.00 | 167.89 | 1.51 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | ND<0.50 | |
| 07/23/09 | 167.97 | 1.10 | 0.00 | 166.87 | -1.02 | ND<50 | -- | ND<0.30 | ND<0.30 | ND<0.30 | ND<0.60 | -- | ND<0.50 | |

**Table 2 a**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | TPH-D (µg/l) | TBA (µg/l) | Ethanol (8015B) (mg/l) | Ethanol (8260B) (µg/l) | Ethylene-dibromide (EDB) (µg/l) | 1,2-DCA (EDC) (µg/l) | DIPE (µg/l) | ETBE (µg/l) | TAME (µg/l) | Acenaph-thylene (µg/l) | Bromo-dichloro-methane (µg/l) | Bromo-form (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | | | | | | | | | | |
| 07/20/99 | 16000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/28/99 | 2410 | ND | -- | -- | -- | -- | ND | ND | ND | -- | -- | -- |
| 01/07/00 | 7870 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/31/00 | 3600 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/14/00 | 8580 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/03/00 | 9260 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/03/01 | 11000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/04/01 | 14000 | ND | -- | ND | ND | ND | ND | ND | ND | -- | -- | -- |
| 07/17/01 | 2200 | ND | -- | ND | ND | ND | ND | ND | ND | -- | -- | -- |
| 10/05/01 | 13000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/28/02 | 4400 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/25/02 | 9000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/18/02 | 9200 | ND<100 | -- | ND<2500000 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 | -- | -- | -- |
| 10/07/02 | 3400 | ND<10000 | -- | ND<50000000 | ND<200 | ND<200 | ND<200 | ND<200 | ND<200 | -- | -- | -- |
| 01/06/03 | 5100 | ND<20000 | -- | ND<100000000 | ND<400 | ND<400 | ND<400 | ND<400 | ND<400 | -- | -- | -- |
| 04/07/03 | 2800 | ND<10000 | -- | ND<50000000 | ND<200 | ND<200 | ND<200 | ND<200 | ND<200 | -- | -- | -- |
| 07/07/03 | 7000 | ND<25000 | ND<120000 | -- | ND<500 | ND<500 | ND<500 | ND<500 | ND<500 | -- | -- | -- |
| 10/09/03 | 4300 | ND<20000 | -- | ND<100000 | ND<400 | ND<400 | ND<400 | ND<400 | ND<400 | -- | -- | -- |
| 01/14/04 | 6200 | ND<40000 | -- | ND<200000 | ND<800 | ND<800 | ND<800 | ND<800 | ND<800 | -- | -- | -- |
| 04/28/04 | -- | 800 | -- | ND<1000 | ND<50 | ND<50 | ND<1 | ND<1 | ND<1 | -- | -- | -- |
| 07/12/04 | 270 | 1100 | -- | ND<20000 | ND<10 | ND<10 | ND<20 | ND<20 | ND<20 | ND<2 | ND<10 | ND<10 |
| 10/25/04 | 5100 | ND<2000 | -- | ND<20000 | ND<200 | ND<200 | ND<400 | ND<200 | ND<200 | -- | -- | -- |
| 01/17/05 | 6400 | 3100 | -- | ND<20000 | ND<200 | ND<200 | ND<400 | ND<200 | ND<200 | -- | -- | -- |
| 04/06/05 | 2800 | 1500 | -- | ND<10000 | ND<100 | ND<100 | ND<100 | ND<100 | ND<100 | -- | -- | -- |
| 07/08/05 | 6400 | ND<1300 | -- | ND<13000 | ND<130 | 3.8 | ND<130 | ND<130 | ND<130 | -- | ND<0.50 | ND<2.0 |





TRC

**Table 2 a**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | TPH-D (µg/l) | TBA (µg/l) | Ethanol (8015B) (mg/l) | Ethanol (8260B) (µg/l) | Ethylene-dibromide (EDB) (µg/l) | 1,2-DCA (EDC) (µg/l) | DIPE (µg/l) | ETBE (µg/l) | TAME (µg/l) | Acenaph-thylene (µg/l) | Bromo-dichloro-methane (µg/l) | Bromo-form (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1 continued** | | | | | | | | | | | | |
| 10/07/05 | 5500 | 680 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/27/06 | 9000 | ND<500 | -- | ND<12000 | ND<25 | ND<25 | ND<25 | ND<25 | ND<25 | -- | -- | -- |
| 04/28/06 | 9200 | ND<500 | -- | ND<12000 | ND<25 | ND<25 | ND<25 | ND<25 | ND<25 | -- | -- | -- |
| 07/28/06 | 5100 | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | ND<0.50 | ND<0.50 |
| 10/27/06 | 4600 | ND<2500 | -- | ND<62000 | ND<120 | ND<120 | ND<120 | ND<120 | ND<120 | -- | -- | -- |
| 01/10/07 | 12000 | ND<1000 | -- | ND<25000 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | -- | -- | -- |
| 04/13/07 | 8400 | 730 | -- | ND<250 | ND<0.50 | 0.68 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/19/07 | 10000 | ND<1000 | -- | ND<25000 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | -- | ND<50 | ND<50 |
| 01/09/08 | 12000 | ND<250 | -- | ND<6200 | ND<12 | ND<12 | ND<12 | ND<12 | ND<12 | -- | -- | -- |
| 04/04/08 | 15000 | 770 | -- | ND<5000 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 | -- | -- | -- |
| 07/03/08 | 9300 | ND<250 | -- | ND<6200 | ND<12 | ND<12 | ND<12 | ND<12 | ND<12 | -- | ND<12 | ND<12 |
| 10/03/08 | 4400 | ND<200 | -- | ND<5000 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 | -- | -- | -- |
| 01/22/09 | 8000 | ND<500 | -- | ND<12000 | ND<25 | ND<25 | ND<25 | ND<25 | ND<25 | -- | -- | -- |
| 04/13/09 | 4800 | 280 | -- | ND<1200 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | -- | -- | -- |
| 07/23/09 | 2800 | ND<2000 | -- | ND<50000 | ND<100 | ND<100 | ND<100 | ND<100 | ND<100 | -- | -- | -- |
| **MW-2** | | | | | | | | | | | | |
| 09/28/99 | -- | ND | -- | -- | -- | -- | ND | ND | ND | -- | -- | -- |
| 04/04/01 | -- | ND | -- | ND | ND | ND | ND | ND | ND | -- | -- | -- |
| 07/17/01 | -- | ND | -- | ND | ND | ND | ND | ND | , ND | -- | -- | -- |
| 07/18/02 | -- | ND<1000 | -- | ND<25000000 | ND<100 | ND<100 | ND<100 | ND<100 | ND<100 | -- | -- | -- |
| 10/07/02 | -- | ND<20000 | -- | ND<100000000 | ND<400 | ND<400 | ND<400 | ND<400 | ND<400 | -- | -- | -- |
| 01/06/03 | -- | ND<50000 | -- | ND<250000000 | ND<1000 | ND<1000 | ND<1000 | ND<1000 | ND<1000 | -- | -- | -- |
| 04/07/03 | -- | ND<2000 | -- | ND<10000000 | ND<40 | ND<40 | ND<40 | ND<40 | ND<40 | -- | -- | -- |
| 07/07/03 | -- | ND<5000 | -- | ND<25000000 | ND<100 | ND<100 | ND<100 | ND<100 | ND<100 | -- | -- | -- |
| 10/09/03 | -- | ND<10000 | -- | ND<50000 | ND<200 | ND<200 | ND<200 | ND<200 | ND<200 | -- | -- | -- |


TRC

**Table 2 a**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | TPH-D (µg/l) | TBA (µg/l) | Ethanol (8015B) (mg/l) | Ethanol (8260B) (µg/l) | Ethylene-dibromide (EDB) (µg/l) | 1,2-DCA (EDC) (µg/l) | DIPE (µg/l) | ETBE (µg/l) | TAME (µg/l) | Acenaph-thylene (µg/l) | Bromo-dichloro-methane (µg/l) | Bromo-form (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-2 continued** | | | | | | | | | | | | |
| 01/14/04 | -- | ND<2500 | -- | ND<13000 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | -- | -- | -- |
| 04/28/04 | -- | 13000 | -- | ND<1000 | ND<0.5 | ND<0.5 | ND<1 | ND<1 | 11 | -- | -- | -- |
| 07/12/04 | -- | 110 | -- | ND<4000 | ND<3 | ND<3 | ND<5 | ND<5 | ND<5 | -- | -- | -- |
| 10/25/04 | -- | 1100 | -- | ND<1300 | ND<13 | ND<13 | ND<25 | ND<13 | ND<13 | -- | -- | -- |
| 01/17/05 | -- | 1200 | -- | ND<1300 | ND<13 | ND<13 | ND<25 | ND<13 | ND<13 | -- | -- | -- |
| 04/06/05 | -- | 2800 | -- | ND<2500 | ND<25 | ND<25 | ND<25 | ND<25 | ND<25 | -- | -- | -- |
| 07/08/05 | -- | 4300 | -- | ND<2500 | ND<25 | ND<25 | ND<25 | ND<25 | ND<25 | -- | -- | -- |
| 10/07/05 | -- | 8700 | -- | ND<250 | ND<0.50 | 1.4 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/27/06 | -- | 5200 | -- | ND<12000 | ND<25 | ND<25 | ND<25 | ND<25 | ND<25 | -- | -- | -- |
| 04/28/06 | -- | 6700 | -- | ND<250 | ND<0.50 | 1.4 | ND<0.50 | ND<0.50 | 1.6 | -- | -- | -- |
| 07/28/06 | -- | 5100 | -- | ND<6200 | ND<12 | ND<12 | ND<12 | ND<12 | ND<12 | -- | -- | -- |
| 10/27/06 | -- | 6600 | -- | ND<1200 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | -- | -- | -- |
| 01/10/07 | -- | 6000 | -- | ND<1200 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | -- | -- | -- |
| 04/13/07 | -- | 7400 | -- | ND<6200 | ND<12 | ND<12 | ND<12 | ND<12 | ND<12 | -- | -- | -- |
| 07/19/07 | -- | 6200 | -- | ND<2500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- | -- |
| 10/08/07 | -- | 20000 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/09/08 | -- | 9900 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/04/08 | -- | 5800 | -- | ND<1200 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | -- | -- | -- |
| 07/03/08 | -- | 8300 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 10/03/08 | ND<50 | 5900 | -- | ND<1200 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | -- | -- | -- |
| 01/22/09 | ND<50 | 7400 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/13/09 | ND<50 | 5500 | -- | ND<2500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- | -- |
| 07/23/09 | 230 | 5000 | -- | ND<2500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- | -- |
| **MW-3** | | | | | | | | | | | | |
| 09/28/99 | -- | ND | -- | -- | -- | -- | ND | ND | 8.80 | -- | -- | -- |

**Table 2 a**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | TPH-D (µg/l) | TBA (µg/l) | Ethanol (8015B) (mg/l) | Ethanol (8260B) (µg/l) | Ethylene-dibromide (EDB) (µg/l) | 1,2-DCA (EDC) (µg/l) | DIPE (µg/l) | ETBE (µg/l) | TAME (µg/l) | Acenaph-thylene (µg/l) | Bromo-dichloro-methane (µg/l) | Bromo-form (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-3 continued** | | | | | | | | | | | | |
| 04/04/01 | -- | ND | -- | ND | ND | ND | ND | ND | ND | -- | -- | -- |
| 07/17/01 | -- | ND | -- | ND | ND | ND | ND | ND | ND | -- | -- | -- |
| 07/18/02 | -- | ND<50 | -- | ND<1200000 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- | -- |
| 10/07/02 | -- | ND<10000 | -- | ND<50000000 | ND<200 | ND<200 | ND<200 | ND<200 | ND<200 | -- | -- | -- |
| 01/06/03 | -- | ND<4000 | -- | 23000000 | ND<80 | ND<80 | ND<80 | ND<80 | ND<80 | -- | -- | -- |
| 04/07/03 | -- | ND<4000 | -- | ND<20000000 | ND<80 | ND<80 | ND<80 | ND<80 | ND<80 | -- | -- | -- |
| 07/07/03 | -- | ND<2000 | -- | ND<10000000 | ND<40 | ND<40 | ND<40 | ND<40 | ND<40 | -- | -- | -- |
| 10/09/03 | -- | ND<1000 | -- | ND<5000 | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 | -- | -- | -- |
| 01/14/04 | -- | ND<1000 | -- | ND<5000 | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 | -- | -- | -- |
| 04/28/04 | -- | ND<12 | -- | ND<1000 | ND<3 | ND<3 | ND<1 | ND<1 | ND<1 | -- | -- | -- |
| 07/12/04 | -- | 350 | -- | ND<20000 | ND<10 | ND<10 | ND<20 | ND<20 | ND<20 | -- | -- | -- |
| 10/25/04 | -- | 39 | -- | ND<250 | ND<2.5 | ND<2.5 | ND<5.0 | ND<2.5 | ND<2.5 | -- | -- | -- |
| 01/17/05 | -- | 120 | -- | ND<250 | ND<2.5 | ND<2.5 | ND<5.0 | ND<2.5 | ND<2.5 | -- | -- | -- |
| 04/06/05 | -- | 150 | -- | ND<1000 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 | -- | -- | -- |
| 07/08/05 | -- | 64 | -- | ND<250 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | -- | -- | -- |
| 10/07/05 | -- | ND<200 | -- | ND<5000 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 | -- | -- | -- |
| 01/27/06 | -- | ND<10 | -- | ND<250 | ND<0.50 | 1.5 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/28/06 | -- | 190 | -- | ND<250 | ND<0.50 | 0.63 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/28/06 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 10/27/06 | -- | ND<10 | -- | ND<250 | ND<0.50 | 1.3 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/10/07 | -- | 66 | -- | ND<250 | ND<0.50 | 1.4 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/13/07 | -- | ND<10 | -- | ND<250 | ND<0.50 | 1.2 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/19/07 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 10/08/07 | -- | ND<20 | -- | ND<500 | ND<1.0 | 1.1 | ND<1.0 | ND<1.0 | ND<1.0 | -- | -- | -- |
| 01/09/08 | -- | ND<20 | -- | ND<500 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | -- | -- |

**Table 2 a**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | TPH-D (µg/l) | TBA (µg/l) | Ethanol (8015B) (mg/l) | Ethanol (8260B) (µg/l) | Ethylene-dibromide (EDB) (µg/l) | 1,2-DCA (EDC) (µg/l) | DIPE (µg/l) | ETBE (µg/l) | TAME (µg/l) | Acenaph-thylene (µg/l) | Bromo-dichloro-methane (µg/l) | Bromo-form (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-3 continued** | | | | | | | | | | | | |
| 04/04/08 | -- | ND<50 | -- | ND<1200 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | -- | -- | -- |
| 07/03/08 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 10/03/08 | 1200 | ND<100 | -- | ND<2500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- | -- |
| 01/22/09 | 270 | ND<20 | -- | ND<500 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | -- | -- |
| 04/13/09 | 150 | ND<10 | -- | ND<250 | ND<0.50 | 1.0 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/23/09 | 310 | ND<100 | -- | ND<2500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- | -- |
| **MW-4** | | | | | | | | | | | | |
| 09/28/99 | -- | ND | -- | -- | -- | -- | ND | ND | ND | -- | -- | -- |
| 04/04/01 | -- | ND | -- | ND | ND | ND | ND | ND | ND | -- | -- | -- |
| 07/17/01 | -- | ND | -- | ND | ND | ND | ND | ND | ND | -- | -- | -- |
| 07/18/02 | -- | ND<100 | -- | ND<2500000 | ND<10 | 49 | ND<10 | ND<10 | ND<10 | -- | -- | -- |
| 10/07/02 | -- | ND<10000 | -- | ND<50000000 | ND<200 | ND<200 | ND<200 | ND<200 | ND<200 | -- | -- | -- |
| 01/06/03 | -- | ND<1000 | -- | ND<5000000 | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 | -- | -- | -- |
| 04/07/03 | -- | ND<1000 | -- | ND<5000000 | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 | -- | -- | -- |
| 07/07/03 | -- | ND<1000 | -- | ND<5000000 | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 | -- | -- | -- |
| 10/09/03 | -- | ND<200 | -- | ND<1000 | ND<4.0 | ND<4.0 | ND<4.0 | ND<4.0 | ND<4.0 | -- | -- | -- |
| 01/14/04 | -- | ND<200 | -- | ND<1000 | ND<4.0 | 6.5 | ND<4.0 | ND<4.0 | ND<4.0 | -- | -- | -- |
| 04/28/04 | -- | 150 | -- | ND<1000 | ND<0.5 | ND<0.5 | ND<1 | ND<1 | ND<1 | -- | -- | -- |
| 07/12/04 | -- | 210 | -- | ND<4000 | ND<3 | 14 | ND<5 | ND<5 | ND<5 | -- | -- | -- |
| 10/25/04 | -- | 38 | -- | ND<100 | ND<1.0 | 2.0 | ND<2.0 | ND<1.0 | ND<1.0 | -- | -- | -- |
| 01/17/05 | -- | 110 | -- | ND<100 | ND<1.0 | 3.6 | ND<2.0 | ND<1.0 | ND<1.0 | -- | -- | -- |
| 04/06/05 | -- | ND<25 | -- | 73000 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | -- | -- | -- |
| 07/08/05 | -- | 29 | -- | ND<50 | ND<0.50 | 1.2 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 10/07/05 | -- | 210 | -- | ND<250 | ND<0.50 | 26 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/27/06 | -- | 280 | -- | ND<2500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- | -- |

## Table 2 a
## ADDITIONAL HISTORIC ANALYTICAL RESULTS
## 76 Station 1156

| Date Sampled | TPH-D (µg/l) | TBA (µg/l) | Ethanol (8015B) (mg/l) | Ethanol (8260B) (µg/l) | Ethylene-dibromide (EDB) (µg/l) | 1,2-DCA (EDC) (µg/l) | DIPE (µg/l) | ETBE (µg/l) | TAME (µg/l) | Acenaph-thylene (µg/l) | Bromo-dichloro-methane (µg/l) | Bromo-form (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-4 continued** | | | | | | | | | | | | |
| 04/28/06 | -- | 130 | -- | ND<250 | ND<0.50 | 0.97 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/28/06 | -- | 64 | -- | ND<250 | ND<0.50 | 5.8 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 10/27/06 | -- | 54 | -- | ND<250 | ND<0.50 | 1.5 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/10/07 | -- | 33 | -- | 310 | ND<0.50 | 1.9 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/13/07 | -- | 82 | -- | ND<250 | ND<0.50 | 0.77 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/19/07 | -- | 13 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 10/08/07 | -- | ND<20 | -- | ND<500 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | -- | -- |
| 01/09/08 | -- | ND<20 | -- | ND<500 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | -- | -- | -- |
| 04/04/08 | -- | 27 | -- | ND<250 | ND<0.50 | 1.0 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/03/08 | -- | 27 | -- | ND<250 | ND<0.50 | 1.4 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 10/03/08 | 96 | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/22/09 | ND<50 | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/13/09 | 110 | 39 | -- | ND<250 | ND<0.50 | 1.4 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/23/09 | 85 | 42 | -- | ND<250 | ND<0.50 | 1.5 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| **MW-5** | | | | | | | | | | | | |
| 07/18/02 | -- | ND<20 | -- | ND<500000 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | -- |
| 10/07/02 | -- | ND<100 | -- | ND<500000 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | -- |
| 01/06/03 | ND<50 | ND<100 | -- | ND<500000 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | -- |
| 04/07/03 | -- | ND<500 | -- | ND<2500000 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 | -- | -- | -- |
| 07/07/03 | -- | ND<200 | -- | ND<1000000 | ND<4.0 | ND<4.0 | ND<4.0 | ND<4.0 | ND<4.0 | -- | -- | -- |
| 10/09/03 | -- | ND<200 | -- | ND<1000 | ND<4.0 | ND<4.0 | ND<4.0 | ND<4.0 | ND<4.0 | -- | -- | -- |
| 01/14/04 | -- | ND<2000 | -- | ND<10000 | ND<40 | ND<40 | ND<40 | ND<40 | ND<40 | -- | -- | -- |
| 04/28/04 | -- | ND<12 | -- | ND<1000 | ND<0.5 | 1.8 | ND<1 | ND<1 | ND<1 | -- | -- | -- |
| 07/12/04 | -- | ND<12 | -- | ND<800 | ND<0.5 | 0.76 | ND<1 | ND<1 | ND<1 | -- | -- | -- |
| 10/25/04 | -- | ND<500 | -- | ND<5000 | ND<50 | ND<50 | ND<100 | ND<50 | ND<50 | -- | -- | -- |

**Table 2 a**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | TPH-D (µg/l) | TBA (µg/l) | Ethanol (8015B) (mg/l) | Ethanol (8260B) (µg/l) | Ethylene-dibromide (EDB) (µg/l) | 1,2-DCA (EDC) (µg/l) | DIPE (µg/l) | ETBE (µg/l) | TAME (µg/l) | Acenaph-thylene (µg/l) | Bromo-dichloro-methane (µg/l) | Bromo-form (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-5 continued** | | | | | | | | | | | | |
| 01/17/05 | -- | 100 | -- | ND<250 | ND<2.5 | ND<2.5 | ND<5.0 | ND<2.5 | ND<2.5 | -- | -- | -- |
| 04/06/05 | -- | 7.6 | -- | ND<50 | ND<0.50 | 1.4 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/08/05 | -- | 180 | -- | ND<500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- | -- |
| 10/07/05 | -- | ND<10 | -- | ND<250 | ND<0.50 | 1.0 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/27/06 | -- | 1000 | -- | ND<2500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- | -- |
| 04/28/06 | -- | 130 | -- | ND<250 | ND<0.50 | 0.95 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/28/06 | -- | ND<100 | -- | ND<2500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- | -- |
| 10/27/06 | -- | 43 | -- | ND<250 | ND<0.50 | 1.5 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/10/07 | -- | 28 | -- | ND<250 | ND<0.50 | 1.7 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/13/07 | -- | ND<10 | -- | ND<250 | ND<0.50 | 0.84 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/19/07 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<5.0 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 10/08/07 | -- | ND<10 | -- | ND<250 | ND<0.50 | 1.3 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/09/08 | -- | ND<10 | -- | ND<250 | ND<0.50 | 1.2 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/04/08 | -- | ND<10 | -- | ND<250 | ND<0.50 | 1.4 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/03/08 | -- | ND<10 | -- | ND<250 | ND<0.50 | 1.5 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 10/03/08 | 60 | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/22/09 | ND<50 | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/13/09 | ND<50 | ND<10 | -- | ND<250 | ND<0.50 | 1.2 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/23/09 | ND<50 | ND<10 | -- | ND<250 | ND<0.50 | 1.8 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| **MW-6** | | | | | | | | | | | | |
| 07/18/02 | -- | ND<20 | -- | ND<500000 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | -- |
| 10/07/02 | -- | ND<100 | -- | ND<500000 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | -- |
| 01/06/03 | -- | ND<100 | -- | ND<500000 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | -- |
| 04/07/03 | -- | ND<100 | -- | ND<500000 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | -- |
| 07/07/03 | -- | ND<100 | -- | ND<500000 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | -- |

**Table 2 a**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | TPH-D (µg/l) | TBA (µg/l) | Ethanol (8015B) (mg/l) | Ethanol (8260B) (µg/l) | Ethylene-dibromide (EDB) (µg/l) | 1,2-DCA (EDC) (µg/l) | DIPE (µg/l) | ETBE (µg/l) | TAME (µg/l) | Acenaph-thylene (µg/l) | Bromo-dichloro-methane (µg/l) | Bromo-form (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-6 continued** | | | | | | | | | | | | |
| 10/09/03 | -- | ND<100 | -- | ND<500 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | -- |
| 01/14/04 | -- | ND<100 | -- | ND<500 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | -- | -- | -- |
| 04/28/04 | -- | ND<12 | -- | ND<1000 | ND<0.5 | ND<0.5 | ND<1 | ND<1 | ND<1 | -- | -- | -- |
| 07/12/04 | -- | ND<12 | -- | ND<800 | ND<0.5 | ND<0.5 | ND<1 | ND<1 | ND<1 | -- | -- | -- |
| 10/25/04 | -- | ND<5.0 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/17/05 | -- | ND<5.0 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/06/05 | -- | ND<5.0 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/08/05 | -- | ND<5.0 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 10/07/05 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/27/06 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/28/06 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/28/06 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 10/27/06 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/10/07 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/13/07 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/19/07 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 10/08/07 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/09/08 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/04/08 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/03/08 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 10/03/08 | ND<50 | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/22/09 | ND<50 | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/13/09 | ND<50 | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| **MW-7** | | | | | | | | | | | | |
| 07/18/02 | -- | 33000 | -- | ND<5000000 | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 | -- | -- | -- |

**Table 2 a**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | TPH-D (µg/l) | TBA (µg/l) | Ethanol (8015B) (mg/l) | Ethanol (8260B) (µg/l) | Ethylene-dibromide (EDB) (µg/l) | 1,2-DCA (EDC) (µg/l) | DIPE (µg/l) | ETBE (µg/l) | TAME (µg/l) | Acenaph-thylene (µg/l) | Bromo-dichloro-methane (µg/l) | Bromo-form (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-7 continued** | | | | | | | | | | | | |
| 10/07/02 | -- | 26000 | -- | ND<100000000 | ND<400 | ND<400 | ND<400 | ND<400 | ND<400 | -- | -- | -- |
| 01/06/03 | ND<50 | ND<10000 | -- | ND<50000000 | ND<200 | ND<200 | ND<200 | ND<200 | ND<200 | -- | -- | -- |
| 04/07/03 | -- | ND<40000 | -- | ND<200000000 | ND<800 | ND<800 | ND<800 | ND<800 | ND<800 | -- | -- | -- |
| 07/07/03 | -- | 27000 | -- | ND<100000000 | ND<400 | ND<400 | ND<400 | ND<400 | ND<400 | -- | -- | -- |
| 10/09/03 | -- | ND<25000 | -- | ND<130000 | ND<500 | ND<500 | ND<500 | ND<500 | ND<500 | -- | -- | -- |
| 01/14/04 | -- | ND<40000 | -- | ND<200000 | ND<800 | ND<800 | ND<800 | ND<800 | ND<800 | -- | -- | -- |
| 04/28/04 | -- | 9200 | -- | ND<1000 | ND<0.5 | 6.8 | ND<1 | ND<1 | 12 | -- | -- | -- |
| 07/12/04 | -- | 4600 | -- | ND<8000 | ND<5 | 5.1 | ND<10 | ND<10 | ND<10 | -- | -- | -- |
| 10/25/04 | -- | 3900 | -- | ND<5000 | ND<50 | ND<50 | ND<100 | ND<50 | ND<50 | -- | -- | -- |
| 01/17/05 | -- | 4200 | -- | ND<5000 | ND<50 | ND<50 | ND<100 | ND<50 | ND<50 | -- | -- | -- |
| 04/06/05 | -- | 4200 | -- | ND<10000 | ND<0.50 | 6.4 | ND<0.50 | ND<0.50 | 9.3 | -- | -- | -- |
| 07/08/05 | -- | 4300 | -- | ND<5000 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | -- | -- | -- |
| 10/07/05 | -- | 1100 | -- | ND<12000 | ND<25 | ND<25 | ND<25 | ND<25 | ND<25 | -- | -- | -- |
| 01/27/06 | -- | 1600 | -- | ND<25000 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | -- | -- | -- |
| 04/28/06 | -- | 2900 | -- | ND<250 | ND<0.50 | 3.4 | ND<0.50 | ND<0.50 | 6.3 | -- | -- | -- |
| 07/28/06 | -- | 1300 | -- | ND<6200 | ND<12 | ND<12 | ND<12 | ND<12 | ND<12 | -- | -- | -- |
| 10/27/06 | -- | 1700 | -- | ND<2500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- | -- |
| 01/10/07 | 12000 | 1300 | -- | ND<2500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- | -- |
| 07/19/07 | -- | ND<100 | -- | ND<2500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- | -- |
| 10/08/07 | -- | ND<500 | -- | ND<12000 | ND<25 | ND<25 | ND<25 | ND<25 | ND<25 | -- | -- | -- |
| 01/09/08 | -- | 2700 | -- | ND<250 | ND<0.50 | 1.2 | ND<0.50 | ND<0.50 | 1.1 | -- | -- | -- |
| 04/04/08 | -- | 1400 | -- | ND<6200 | ND<12 | ND<12 | ND<12 | ND<12 | ND<12 | -- | -- | -- |
| 07/03/08 | -- | 940 | -- | ND<250 | ND<0.50 | 2.2 | ND<0.50 | ND<0.50 | 1.2 | -- | -- | -- |
| 10/03/08 | ND<50 | 540 | -- | ND<1200 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | -- | -- | -- |
| 01/22/09 | ND<50 | 370 | -- | ND<1200 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | -- | -- | -- |



TRC

**Table 2 a**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | TPH-D (µg/l) | TBA (µg/l) | Ethanol (8015B) (mg/l) | Ethanol (8260B) (µg/l) | Ethylene-dibromide (EDB) (µg/l) | 1,2-DCA (EDC) (µg/l) | DIPE (µg/l) | ETBE (µg/l) | TAME (µg/l) | Acenaph-thylene (µg/l) | Bromo-dichloro-methane (µg/l) | Bromo-form (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-7 continued** | | | | | | | | | | | | |
| 04/13/09 | ND<50 | 420 | -- | ND<5000 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 | -- | -- | -- |
| 07/23/09 | ND<50 | 370 | -- | ND<2500 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- | -- |
| **MW-8** | | | | | | | | | | | | |
| 01/18/08 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/04/08 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/03/08 | -- | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 10/03/08 | ND<50 | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 01/22/09 | 64 | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 04/13/09 | ND<50 | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |
| 07/23/09 | ND<50 | ND<10 | -- | ND<250 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | -- |

**Table 2 b**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | Bromo-methane (µg/l) | Carbon Tetra-chloride (µg/l) | Chloro-benzene (µg/l) | Chloro-ethane (µg/l) | Chloroform (µg/l) | Chloro-methane (µg/l) | Dibromo-chloro-methane (µg/l) | 1,2-Dichloro-benzene (µg/l) | 1,3-Dichloro-benzene (µg/l) | 1,4-Dichloro-benzene (µg/l) | Dichloro-difluoro-methane (µg/l) | 1,1-DCA (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | | | | | | | | | | |
| 07/20/99 | -- | -- | 12 | -- | -- | -- | -- | 3.9 | -- | -- | -- | 2.0 |
| 03/31/00 | -- | -- | -- | -- | -- | -- | -- | 6.2 | -- | -- | -- | -- |
| 04/04/01 | -- | -- | 5.6 | -- | -- | -- | -- | 4.6 | -- | -- | -- | -- |
| 07/17/01 | -- | -- | -- | -- | -- | -- | -- | 18 | -- | -- | -- | -- |
| 07/18/02 | -- | -- | 5.9 | 1.1 | -- | -- | -- | 5.8 | -- | 1.3 | -- | -- |
| 07/07/03 | -- | -- | ND<120 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/12/04 | ND<20 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 | ND<2 | ND<2 | ND<2 | ND<10 | ND<10 |
| 07/08/05 | ND<1.0 | ND<0.50 | 12 | 1.0 | ND<0.50 | ND<1.0 | ND<0.50 | 9.0 | ND<0.50 | 1.2 | ND<1.0 | 1.3 |
| 07/28/06 | ND<1.0 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |
| 07/19/07 | ND<100 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 |
| 07/03/08 | ND<25 | ND<12 | ND<12 | ND<12 | ND<12 | ND<12 | ND<12 | ND<12 | ND<12 | ND<12 | ND<12 | ND<12 |
| **MW-5** | | | | | | | | | | | | |
| 01/06/03 | -- | -- | ND<0.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-7** | | | | | | | | | | | | |
| 01/06/03 | -- | -- | ND<50 | -- | -- | -- | -- | -- | -- | -- | -- | -- |



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## Table 2 c
## ADDITIONAL HISTORIC ANALYTICAL RESULTS
## 76 Station 1156

| Date Sampled | 1,1-DCE (µg/l) | cis-1,2-DCE (µg/l) | trans-1,2-DCE (µg/l) | 1,2-Dichloropropane (µg/l) | cis-1,3-Dichloropropene (µg/l) | trans-1,3-Dichloropropene (µg/l) | Hexachlorobutadiene (µg/l) | Methylene chloride (µg/l) | Naphthalene (µg/l) | n-Propylbenzene (µg/l) | 1,1,2,2-Tetrachloroethane (µg/l) | Tetrachloroethene (PCE) (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | | | | | | | | | | |
| 07/20/99 | -- | 3.6 | -- | 0.92 | -- | -- | -- | -- | 600 | -- | -- | -- |
| 09/28/99 | -- | -- | -- | -- | -- | -- | -- | -- | 534 | -- | -- | -- |
| 01/07/00 | -- | -- | -- | -- | -- | -- | -- | -- | 1050 | 371 | -- | -- |
| 03/31/00 | -- | -- | -- | -- | -- | -- | -- | -- | 140 | -- | -- | -- |
| 07/14/00 | -- | -- | -- | -- | -- | -- | -- | -- | 690 | -- | -- | 334 |
| 10/03/00 | -- | -- | -- | -- | -- | -- | -- | -- | 361 | -- | -- | -- |
| 01/03/01 | -- | -- | -- | -- | -- | -- | -- | -- | 400 | -- | -- | -- |
| 04/04/01 | -- | 3.4 | -- | -- | -- | -- | -- | -- | 490 | -- | -- | -- |
| 07/17/01 | -- | -- | -- | -- | -- | -- | -- | -- | 740 | -- | -- | -- |
| 07/18/02 | -- | 1.3 | -- | -- | -- | -- | -- | -- | 910 | -- | -- | ND<0.60 |
| 07/07/03 | -- | ND<120 | -- | -- | -- | -- | -- | -- | 850 | -- | -- | ND<120 |
| 07/12/04 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 | ND<2 | ND<20 | 450 | -- | ND<10 | ND<10 |
| 07/08/05 | ND<0.50 | 3.1 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<20 | ND<5.0 | 250 | -- | ND<0.50 | ND<0.50 |
| 07/28/06 | ND<0.50 | 4.5 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | ND<1.0 | -- | -- | ND<0.50 | ND<0.50 |
| 07/19/07 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | -- | ND<100 | -- | -- | ND<50 | ND<50 |
| 07/03/08 | ND<12 | ND<12 | ND<12 | ND<12 | ND<12 | ND<12 | -- | ND<25 | -- | -- | ND<12 | ND<12 |
| **MW-5** | | | | | | | | | | | | |
| 01/06/03 | -- | ND<0.50 | -- | -- | -- | -- | -- | -- | ND<10 | -- | -- | ND<0.50 |
| **MW-7** | | | | | | | | | | | | |
| 01/06/03 | -- | ND<50 | -- | -- | -- | -- | -- | -- | ND<10 | -- | -- | ND<50 |



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**Table 2 d**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | Trichloro-trifluoro-ethane (µg/l) | 1,2,4-Trichloro-benzene (µg/l) | 1,1,1-Trichloro-ethane (µg/l) | 1,1,2-Trichloro-ethane (µg/l) | Trichloro-ethene (TCE) (µg/l) | Trichloro-fluoro-methane (µg/l) | 1,2,4-Trimethyl-benzene (µg/l) | 1,3,5-Trimethyl-benzene (µg/l) | Vinyl chloride (µg/l) | Acena-phthene (µg/l) | Acena-phthylene (svoc) (µg/l) | Anthra-cene (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | | | | | | | | | | |
| 09/28/99 | -- | -- | -- | -- | -- | -- | 1240 | 318 | -- | -- | -- | -- |
| 01/07/00 | -- | -- | -- | -- | -- | -- | 2210 | 597 | -- | -- | -- | -- |
| 07/12/04 | ND<10 | ND<2 | ND<10 | ND<10 | ND<10 | ND<10 | -- | -- | ND<10 | ND<2 | -- | ND<2 |
| 07/08/05 | ND<0.50 | ND<20 | ND<0.50 | ND<0.50 | 0.73 | ND<1.0 | -- | -- | ND<0.50 | -- | -- | -- |
| 07/28/06 | ND<0.50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | -- | ND<0.50 | ND<10 | ND<10 | ND<10 |
| 07/19/07 | ND<50 | -- | ND<50 | ND<50 | ND<50 | ND<50 | -- | -- | ND<50 | ND<2.2 | ND<2.2 | ND<2.2 |
| 07/03/08 | ND<12 | -- | ND<12 | ND<12 | ND<12 | ND<12 | -- | -- | ND<12 | ND<20 | ND<20 | ND<20 |

## Table 2 e
## ADDITIONAL HISTORIC ANALYTICAL RESULTS
## 76 Station 1156

| Date Sampled | Benzo[a]-anthracene (µg/l) | Benzo[a]-pyrene (µg/l) | Benzo[b]-fluor-anthene (µg/l) | Benzo-[g,h,I]-perylene (µg/l) | Benzo[k]-fluor-anthene (µg/l) | Benzoic Acid (µg/l) | Benzyl Alcohol (µg/l) | Bis(2-chloro-ethoxy) methane (µg/l) | Bis(2-chloro-ethyl) ether (µg/l) | Bis(2-chloro-isopropyl)-ether (µg/l) | Bis(2-ethyl-hexyl) phthalate (µg/l) | 4-Bromo-pheny phe-nyl ether (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | | | | | | | | | | |
| 03/31/00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 10 | -- |
| 10/03/00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 51.6 | -- |
| 04/04/01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 55 | -- |
| 07/17/01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 400 | -- |
| 07/18/02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 120 | -- |
| 07/07/03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 70 | -- |
| 07/12/04 | ND<2 | ND<2 | ND<2 | ND<2 | ND<2 | -- | -- | -- | -- | -- | ND<5 | -- |
| 07/28/06 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 | ND<50 | ND<10 | ND<10 | ND<10 | ND<10 | 33 | ND<10 |
| 07/19/07 | ND<2.2 | ND<2.2 | ND<2.2 | ND<2.2 | ND<2.2 | ND<11 | ND<2.2 | ND<2.2 | ND<2.2 | ND<2.2 | ND<4.4 | ND<2.2 |
| 07/03/08 | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 | ND<100 | ND<20 | ND<20 | ND<20 | ND<20 | ND<40 | ND<20 |
| **MW-5** | | | | | | | | | | | | |
| 01/06/03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND<5.0 | -- |
| **MW-7** | | | | | | | | | | | | |
| 01/06/03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND<5.0 | -- |



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**Table 2 f**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | Butyl-benzyl phthalate (µg/l) | 4-Chloro-3-methyl-phenol (µg/l) | 4-Chloro-aniline (µg/l) | 2-Chloro-naphtha-lene (µg/l) | 2-Chloro-phenol (µg/l) | 4-Chloro-phenyl phenyl ether (µg/l) | Chrysene (µg/l) | Dibenzo-[a,h]-anthracene (µg/l) | Dibenzo-furan (µg/l) | 1,2-Dichloro-benzene (svoc) (µg/l) | 1,3-Dichloro-benzene (svoc) (µg/l) | 1,4-Dichloro-benzene (svoc) (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | | | | | | | | | | |
| 07/12/04 | -- | -- | -- | -- | -- | -- | ND<2 | ND<3 | -- | -- | -- | -- |
| 07/28/06 | ND<10 | ND<25 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 | ND<15 | ND<10 | ND<10 | ND<10 | ND<10 |
| 07/19/07 | ND<2.2 | ND<5.5 | ND<2.2 | ND<2.2 | ND<2.2 | ND<2.2 | ND<2.2 | ND<3.3 | ND<2.2 | ND<2.2 | ND<2.2 | ND<2.2 |
| 07/03/08 | ND<20 | ND<50 | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 | ND<30 | ND<20 | ND<20 | ND<20 | ND<20 |



TRC

**Table 2 g**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | 3,3-Dichloro-benzidine (µg/l) | 2,4-Dichloro-phenol (µg/l) | Diethyl phthalate (µg/l) | 2,4-Dimethyl-phenol (µg/l) | Dimethyl phthalate (µg/l) | Di-n-butyl phthalate (µg/l) | 2,4-Dinitro-phenol (µg/l) | 2,4-Dinitro-toluene (µg/l) | 2,6-Dinitro-toluene (µg/l) | Di-n-octyl phthalate (µg/l) | Fluoran-thene (µg/l) | Fluorene (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | | | | | | | | | | |
| 07/12/04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND<2 | ND<2 |
| 07/28/06 | ND<50 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 | ND<50 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 |
| 07/19/07 | ND<11 | ND<2.2 | ND<2.2 | ND<2.2 | ND<2.2 | ND<2.2 | ND<11 | ND<2.2 | ND<2.2 | ND<2.2 | ND<2.2 | ND<2.2 |
| 07/03/08 | ND<100 | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 | ND<100 | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 |



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**Table 2 h**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | Hexa-chloro-benzene (µg/l) | HCBD (svoc) (µg/l) | Hexachloro cyclopenta-diene (µg/l) | Hexachloro -ethane (µg/l) | Indeno-[1,2,3-c,d] pyrene (µg/l) | Isophorone (µg/l) | 2-Methyl-4,6-dinitro-phenol (µg/l) | 2-Methyl-naphtha-lene (µg/l) | 2-Methyl-phenol (µg/l) | 4-Methyl-phenol (µg/l) | Naphtha-lene (svoc) (µg/l) | 2-Nitro-aniline (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | | | | | | | | | | |
| 07/20/99 | -- | -- | -- | -- | -- | -- | -- | 240 | -- | 27 | -- | -- |
| 09/28/99 | -- | -- | -- | -- | -- | -- | -- | 87.4 | 26.4 | 35.6 | -- | -- |
| 01/07/00 | -- | -- | -- | -- | -- | -- | -- | 315 | -- | -- | -- | -- |
| 03/31/00 | -- | -- | -- | -- | -- | -- | -- | 73 | 31 | 18 | -- | -- |
| 07/14/00 | -- | -- | -- | -- | -- | -- | -- | 300 | -- | -- | -- | -- |
| 10/03/00 | -- | -- | -- | -- | -- | -- | -- | 98.1 | -- | 28.9 | -- | -- |
| 01/03/01 | -- | -- | -- | -- | -- | -- | -- | 180 | -- | -- | -- | -- |
| 04/04/01 | -- | -- | -- | -- | -- | -- | -- | 78 | -- | -- | -- | -- |
| 07/17/01 | -- | -- | -- | -- | -- | -- | -- | 290 | 47 | 25 | -- | -- |
| 07/18/02 | -- | -- | -- | -- | -- | -- | -- | 420 | 13 | 25 | -- | -- |
| 07/07/03 | -- | -- | -- | -- | -- | -- | -- | 260 | ND<5.0 | 22 | -- | -- |
| 07/12/04 | -- | -- | -- | -- | ND<2 | -- | -- | -- | -- | -- | -- | -- |
| 07/28/06 | ND<10 | ND<5.0 | ND<10 | ND<10 | ND<10 | ND<10 | -- | 280 | ND<10 | -- | 660 | ND<10 |
| 07/19/07 | ND<2.2 | ND<1.1 | ND<2.2 | ND<2.2 | ND<2.2 | ND<2.2 | ND<11 | 230 | 29 | -- | 770 | ND<2.2 |
| 07/03/08 | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 | ND<100 | 270 | ND<20 | -- | 750 | ND<20 |
| **MW-5** | | | | | | | | | | | | |
| 01/06/03 | -- | -- | -- | -- | -- | -- | -- | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- |
| **MW-7** | | | | | | | | | | | | |
| 01/06/03 | -- | -- | -- | -- | -- | -- | -- | ND<5.0 | ND<5.0 | ND<5.0 | -- | -- |



TRC

**Table 2 i**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | 3-Nitro-aniline (µg/l) | 4-Nitro-aniline (µg/l) | Nitro-benzene (µg/l) | 2-Nitro-phenol (µg/l) | 4-Nitro-phenol (µg/l) | N-nitrosodi-n-propyl-amine (µg/l) | N-Nitro-sodiphenyl-amine (µg/l) | Penta-chloro-phenol (µg/l) | Phen-anthrene (µg/l) | Phenol (µg/l) | Pyrene (µg/l) | 1,2,4-Trichloro-benzene (svoc) (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | | | | | | | | | | |
| 07/12/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<2 | -- | ND<2 | -- |
| 07/28/06 | ND<10 | ND<25 | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 | ND<50 | ND<10 | ND<10 | ND<10 | ND<10 |
| 07/19/07 | ND<2.2 | ND<5.5 | ND<2.2 | ND<2.2 | ND<2.2 | ND<2.2 | ND<2.2 | ND<11 | ND<2.2 | ND<2.2 | ND<2.2 | ND<2.2 |
| 07/03/08 | ND<20 | ND<50 | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 | ND<100 | ND<20 | ND<20 | ND<20 | ND<20 |



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**Table 2 j**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | 2,4,6-Trichloro-phenol (µg/l) | 2,4,5-Trichloro-phenol (µg/l) | Carbon (organic, total) (mg/l) | Chromium VI (µg/l) | Chromium (total) (µg/l) | Iron Ferrous (µg/l) | Manganese (dissolved) (µg/l) | Manganese (total) (µg/l) | Molyb-denum (total) (µg/l) | Molyb-denum (dissolved) (µg/l) | Selenium (total) (µg/l) | Selenium (dissolved) (µg/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | | | | | | | | | | |
| 07/28/06 | ND<25 | ND<25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/19/07 | ND<5.5 | ND<5.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/03/08 | ND<50 | ND<50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/13/09 | -- | -- | 26 | ND<2.0 | ND<3.0 | 280 | 160 | 200 | 8.6 | 7.5 | ND<2.0 | ND<2.0 |
| **MW-2** | | | | | | | | | | | | |
| 04/13/09 | -- | -- | 4.4 | ND<2.0 | 9.3 | 740 | 110 | 230 | 1.1 | ND<1.0 | ND<2.0 | ND<2.0 |
| **MW-3** | | | | | | | | | | | | |
| 04/13/09 | -- | -- | 3.0 | ND<2.0 | 14 | 1800 | 2800 | 2500 | 4.7 | 3.7 | ND<2.0 | ND<2.0 |
| **MW-4** | | | | | | | | | | | | |
| 04/13/09 | -- | -- | 1.9 | ND<2.0 | 8.1 | 1500 | 2000 | 3500 | 7.2 | 6.4 | ND<2.0 | ND<2.0 |
| **MW-5** | | | | | | | | | | | | |
| 04/13/09 | -- | -- | 1.4 | ND<2.0 | 19 | ND<500 | 1.4 | 650 | 1.2 | 1.5 | ND<2.0 | ND<2.0 |
| **MW-6** | | | | | | | | | | | | |
| 04/13/09 | -- | -- | 1.4 | ND<2.0 | 32 | ND<500 | 14 | 530 | 2.6 | 2.9 | ND<2.0 | ND<2.0 |
| **MW-7** | | | | | | | | | | | | |
| 04/13/09 | -- | -- | 2.3 | ND<2.0 | 100 | 3200 | 960 | 2300 | 1.1 | 1.3 | ND<2.0 | ND<2.0 |
| **MW-8** | | | | | | | | | | | | |
| 04/13/09 | -- | -- | 0.48 | ND<2.0 | 3.3 | 130 | ND<1.0 | 47 | 1.2 | 1.2 | ND<2.0 | ND<2.0 |



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**Table 2 k**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | Vanadium (total) (µg/l) | Vanadium (dissolved) (µg/l) | Bromate (µg/l) | Bromide (mg/l) | Chloride (mg/l) | Nitrogen as Nitrate (mg/l) | Sulfate (mg/l) | Alkalinity (total) (mg/l) | Specific Conductance (µmhos) | Post-purge Dissolved Oxygen (mg/l) | Pre-purge Dissolved Oxygen (mg/l) | Pre-purge ORP (mV) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | | | | | | | | | | |
| 04/13/09 | ND<3.0 | ND<3.0 | ND<25 | 0.77 | 23 | ND<0.44 | ND<1.0 | 390 | 750 | -- | 0.75 | -102 |
| 07/23/09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.47 | -23 |
| **MW-2** | | | | | | | | | | | | |
| 04/13/09 | 31 | 12 | ND<25 | 0.40 | 25 | 0.85 | 14 | 350 | 688 | 0.49 | 0.65 | -27 |
| 07/23/09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7.09 | 2.57 | 56 |
| **MW-3** | | | | | | | | | | | | |
| 04/13/09 | 22 | ND<3.0 | ND<25 | 0.41 | 30 | 2.9 | 16 | 360 | 681 | 0.38 | 0.64 | -89 |
| 07/23/09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 6.14 | 5.14 | -22 |
| **MW-4** | | | | | | | | | | | | |
| 04/13/09 | 13 | 3.4 | ND<25 | 0.40 | 37 | 4.4 | 23 | 320 | 704 | 1.35 | 0.51 | -67 |
| 07/23/09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7.23 | 2.10 | -28 |
| **MW-5** | | | | | | | | | | | | |
| 04/13/09 | 59 | 6.1 | ND<25 | 0.71 | 68 | 5.7 | 26 | 350 | 860 | 0.95 | 1.80 | -21 |
| 07/23/09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.08 | 1.54 | 136 |
| **MW-6** | | | | | | | | | | | | |
| 04/13/09 | 80 | 5.2 | ND<25 | 0.58 | 72 | 8.9 | 37 | 280 | 754 | 0.54 | 0.80 | -40 |
| **MW-7** | | | | | | | | | | | | |
| 04/13/09 | 190 | 5.6 | ND<25 | 0.50 | 37 | ND<0.44 | 9.3 | 430 | 848 | 1.27 | 0.80 | -21 |
| 07/23/09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.76 | 1.35 | 165 |
| **MW-8** | | | | | | | | | | | | |
| 04/13/09 | 12 | 4.5 | ND<25 | ND<0.10 | 81 | 19 | 40 | 210 | 690 | 1.11 | 2.56 | -70 |
| 07/23/09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 8.40 | 4.57 | 196 |

**Table 2 1**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 1156**

| Date Sampled | Post-purge ORP (mV) |
|---|---|
| **MW-2** | |
| 04/13/09 | -15 |
| 07/23/09 | 14 |
| **MW-3** | |
| 04/13/09 | -82 |
| 07/23/09 | -56 |
| **MW-4** | |
| 04/13/09 | -46 |
| 07/23/09 | -48 |
| **MW-5** | |
| 04/13/09 | -12 |
| 07/23/09 | 144 |
| **MW-6** | |
| 04/13/09 | -32 |
| **MW-7** | |
| 04/13/09 | -13 |
| 07/23/09 | 165 |
| **MW-8** | |
| 04/13/09 | -48 |
| 07/23/09 | 185 |



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