RO 219

TRC

Customer-Focused Solutions

February 25, 2005



ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MRS. SHELBY LATHROP

SITE: 76 STATION 5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2005

Dear Mrs. Lathrop:

Please find enclosed our Quarterly Monitoring Report for 76 Station 5043, located at 449 Hegenberger Road, Oakland, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

for
Anju Farfan
QMS Operations Manager

CC: Mr. Roger Batra, TRC (3 copies)

Enclosures
20-0400/5043R06.QMS

21 Technology Drive • Irvine, California 92618
Telephone 949-753-0101 • Fax 949-753-0111

TRC

Customer-Focused Solutions



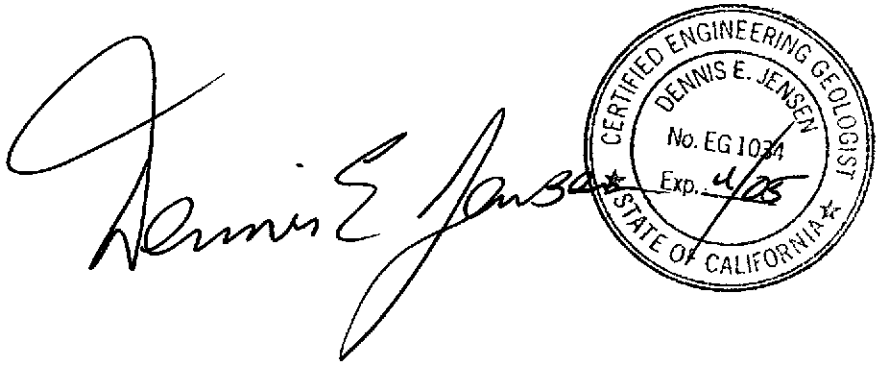
# QUARTERLY MONITORING REPORT
# JANUARY THROUGH MARCH 2005

76 STATION 5043
449 Hegenberger Road
Oakland, California

Prepared For:

Mr. Thomas Kosel
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:




Senior Project Geologist, Irvine Operations
February 16, 2005

21 Technology Drive • Irvine, California 92618
Telephone 949-753-0101 • Fax 949-753-0111

| LIST OF ATTACHMENTS | |
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| Summary Sheet | Summary of Gauging and Sampling Activities |
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| Graphs | Groundwater Elevations vs. Time<br>Benzene Concentrations vs. Time |
| Field Activities | General Field Procedures<br>Groundwater Sampling Field Notes |
| Laboratory Reports | Official Laboratory Reports<br>Quality Control Reports<br>Chain of Custody Records |
| Statements | Purge Water Disposal<br>Limitations |

**Summary of Gauging and Sampling Activities**
**January 2005 through March 2005**
**76 Station 5043**
**449 Hegenberger Road**
**Oakland, CA**

Project Coordinator: **Thomas Kosel**
Telephone: **916-558-7666**
Water Sampling Contractor: ***TRC***
Compiled by: **Valentina Tobon**
Date(s) of Gauging/Sampling Event: **01/10/05**

## Sample Points

Groundwater wells: **3** onsite, **3** offsite Wells gauged: **6** Wells sampled: **6**
Purging method: **Diaphragm pump**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

## Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

## Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **0.07 feet** Maximum: **2.77 feet**
Average groundwater elevation (relative to available local datum): **6.64 feet**
Average change in groundwater elevation since previous event: **0.86 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.01 ft/ft, south**
Previous event: **0.01 ft/ft, south (10/29/04)**

## Selected Laboratory Results

Wells with detected **Benzene:** **4** Wells above MCL (1.0 µg/l): **2**
Maximum reported benzene concentration: **1,600 µg/l (MW-6)**

Wells with **TPPH 8260B** **6** Maximum: **71,000 µg/l (MW-6)**
Wells with **MTBE** **1** Maximum: **64 µg/l (MW-3)**

## Notes:

This report presents the results of groundwater monitoring and sampling activities performed by TRC. Please contact the primary consultant for other specific information on this site.

# TABLES

# TABLE KEY

STANDARD ABREVIATIONS

| | | |
|---|---|---|
| -- | = | not analyzed, measured, or collected |
| LPH | = | liquid-phase hydrocarbons |
| Trace | = | less than 0.01 foot of LPH in well |
| µg/l | = | micrograms per liter (approx. equivalent to parts per billion, ppb) |
| mg/l | = | milligrams per liter (approx. equivalent to parts per million, ppm) |
| ND< | = | not detected at or above laboratory detection limit |
| TOC | = | top of casing (surveyed reference elevation) |

ANALYTES

| | | |
|---|---|---|
| BTEX | = | benzene, toluene, ethylbenzene, and (total) xylenes |
| DIPE | = | di-isopropyl ether |
| ETBE | = | ethyl tertiary butyl ether |
| MTBE | = | methyl tertiary butyl ether |
| PCB | = | polychlorinated biphenyls |
| PCE | = | tetrachloroethene |
| TBA | = | tertiary butyl alcohol |
| TCA | = | trichloroethane |
| TCE | = | trichloroethene |
| TPH-G | = | total petroleum hydrocarbons with gasoline distinction |
| TPH-D | = | total petroleum hydrocarbons with diesel distinction |
| TPPH | = | total purgeable petroleum hydrocarbons |
| TRPH | = | total recoverable petroleum hydrocarbons |
| TAME | = | tertiary amyl methyl ether |
| 1,1-DCA | = | 1,1-dichloroethane |
| 1,2-DCA | = | 1,2-dichloroethane (same as EDC, ethylene dichloride) |
| 1,1-DCE | = | 1,1-dichloroethene |
| 1,2-DCE | = | 1,2-dichloroethene (cis- and trans-) |

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation – Measured Depth to Water + (Dp x LPH Thickness), where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to re-survey.

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 5043 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

**Table 1**

**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**January 10, 2005**

**76 Station 5043**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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** | | **(Screen Interval in feet: 2.5-14.0)** | | | | | | | | | | | | |
| 01/10/05 | 8.04 | 1.52 | 0.00 | 6.52 | 0.48 | -- | 280 | ND<0.50 | 0.62 | ND<0.50 | 2.4 | -- | 64 | |
| **MW-6** | | **(Screen Interval in feet: 2.5-13.5)** | | | | | | | | | | | | |
| 01/10/05 | 8.87 | 2.35 | 0.00 | 6.52 | 0.68 | -- | 71000 | 1600 | 3700 | 2100 | 9900 | -- | ND<50 | |
| **MW-7** | | **(Screen Interval in feet: 3.0-13.0)** | | | | | | | | | | | | |
| 01/10/05 | 8.83 | 2.77 | 0.00 | 6.06 | 0.94 | -- | 74 | 0.51 | 2.2 | 1.7 | 7.0 | -- | ND<0.50 | |
| **MW-8** | | **(Screen Interval in feet: 3.0-15.0)** | | | | | | | | | | | | |
| 01/10/05 | 8.52 | 1.92 | 0.00 | 6.60 | 1.14 | -- | 58 | ND<0.50 | 0.61 | 1.2 | 4.0 | -- | ND<0.50 | |
| **MW-9** | | **(Screen Interval in feet: 3.0-13.0)** | | | | | | | | | | | | |
| 01/10/05 | 8.29 | 0.07 | 0.00 | 8.22 | 1.21 | -- | 93 | 0.60 | 2.3 | 2.4 | 9.0 | -- | ND<0.50 | |
| **MW-10** | | **(Screen Interval in feet: 3.0-13.0)** | | | | | | | | | | | | |
| 01/10/05 | 8.62 | 2.68 | 0.00 | 5.94 | 0.73 | -- | 84 | 7.8 | 2.7 | 2.2 | 8.9 | -- | ND<0.50 | |

# Table 2
## HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
## February 1992 Through January 2005
## 76 Station 5043

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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: DNA)** | | | | | | | | | | | | | |
| 02/18/92 | -- | -- | -- | -- | -- | 150000 | -- | 17000 | 26000 | 5200 | 26000 | -- | -- | |
| 05/20/92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 08/31/92 | -- | -- | -- | -- | -- | 64000 | -- | 13000 | 12000 | 2500 | 22000 | -- | -- | |
| 11/30/92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 02/04/93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 05/04/93 | 8.96 | 2.13 | 0.10 | 6.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 08/04/93 | 8.96 | 2.92 | 0.03 | 6.06 | -0.84 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 11/03/93 | 7.38 | 3.04 | 0.00 | 4.34 | -1.72 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 02/07/94 | 7.38 | 2.55 | 0.03 | 4.85 | 0.51 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 05/19/94 | 7.38 | 2.23 | 0.01 | 5.16 | 0.31 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 06/25/94 | 7.38 | 2.49 | 0.01 | 4.90 | -0.26 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 07/27/94 | 7.38 | 3.10 | 0.00 | 4.28 | -0.62 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 08/15/94 | 7.38 | 2.85 | 0.11 | 4.61 | 0.33 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 11/14/94 | 7.38 | 2.97 | 0.12 | 4.50 | -0.11 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 02/21/95 | 7.38 | 1.53 | 0.02 | 5.87 | 1.37 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 05/18/95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Destroyed |
| **MW-2** | **(Screen Interval in feet: DNA)** | | | | | | | | | | | | | |
| 02/18/92 | -- | -- | -- | -- | -- | 29000 | -- | 1000 | 5300 | 260 | 7900 | -- | -- | |

## Table 2
## HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
## February 1992 Through January 2005
## 76 Station 5043

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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** | | | | | | | | | | | | | | |
| 05/20/92 | -- | -- | -- | -- | -- | 24000 | -- | 2200 | 7600 | 630 | 11000 | -- | -- | |
| 08/31/92 | -- | -- | -- | -- | -- | 9000 | -- | 1800 | 640 | 140 | 2000 | -- | -- | |
| 11/30/92 | -- | -- | -- | -- | -- | 29000 | -- | 2000 | 3400 | 1200 | 6900 | -- | -- | |
| 02/04/93 | -- | -- | -- | -- | -- | 18000 | -- | 1600 | 3000 | ND | 6900 | -- | -- | |
| 05/04/93 | 8.96 | 2.48 | 0.00 | 6.48 | -- | 63000 | -- | 3200 | 17000 | 470 | 17000 | -- | -- | |
| 08/04/93 | 8.96 | 3.20 | 0.00 | 5.76 | -0.72 | 45000 | -- | 2100 | 6600 | 1400 | 12000 | -- | -- | |
| 11/03/93 | 8.58 | 3.37 | 0.00 | 5.21 | -0.55 | 72000 | -- | 3700 | 16000 | 3700 | 20000 | -- | -- | |
| 02/07/94 | 8.58 | 2.40 | 0.00 | 6.18 | 0.97 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 05/19/94 | 8.58 | 2.13 | 0.00 | 6.45 | 0.27 | 42000 | -- | 2500 | 1300 | 2300 | 13000 | -- | -- | |
| 06/25/94 | 8.58 | 2.65 | 0.00 | 5.93 | -0.52 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/27/94 | 8.58 | 3.44 | 0.00 | 5.14 | -0.79 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 08/15/94 | 8.58 | 3.25 | 0.00 | 5.33 | 0.19 | 35000 | -- | 2400 | 850 | 1700 | 15000 | -- | -- | |
| 11/14/94 | 8.58 | 2.13 | 0.00 | 6.45 | 1.12 | 43000 | -- | 2200 | 6500 | 1800 | 14000 | -- | -- | |
| 02/21/95 | 8.58 | 1.65 | 0.00 | 6.93 | 0.48 | 44000 | -- | 2200 | 3200 | 1300 | 1500 | -- | -- | |
| 05/18/95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Destroyed |
| **MW-3** | **(Screen Interval in feet: 2.5-14.0)** | | | | | | | | | | | | | |
| 02/18/92 | -- | -- | -- | -- | -- | 230 | -- | 4.8 | 22 | 1.8 | 33 | -- | -- | |
| 05/20/92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Inaccessible |
| 08/31/92 | -- | -- | -- | -- | -- | 210 | -- | 1 | ND | ND | ND | -- | -- | |
| 11/30/92 | -- | -- | -- | -- | -- | 790 | -- | ND | ND | ND | ND | -- | -- | |
| 02/04/93 | -- | -- | -- | -- | -- | 3300 | -- | 320 | ND | 96 | 6.1 | -- | -- | |
| 05/04/93 | 7.84 | 4.32 | 0.00 | 3.52 | -- | 1800 | -- | 95 | ND | ND | ND | -- | -- | |
| 08/04/93 | 7.84 | 4.94 | 0.00 | 2.90 | -0.62 | 210 | -- | ND | ND | ND | ND | -- | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**February 1992 Through January 2005**

**76 Station 5043**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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 | | | | | | | | | | | | | | |
| 11/03/93 | 7.42 | 4.53 | 0.00 | 2.89 | -0.01 | 640 | -- | ND | ND | ND | ND | -- | -- | |
| 02/07/94 | 7.42 | 2.40 | 0.00 | 5.02 | 2.13 | 2700 | -- | 110 | ND | 17 | ND | -- | -- | |
| 05/19/94 | 7.42 | 3.60 | 0.00 | 3.82 | -1.20 | 1800 | -- | 83 | ND | 6.2 | 9.1 | -- | -- | |
| 06/25/94 | 7.42 | 4.58 | 0.00 | 2.84 | -0.98 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/27/94 | 7.42 | 4.58 | 0.00 | 2.84 | 0.00 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 08/15/94 | 7.42 | 4.65 | 0.00 | 2.77 | -0.07 | 130 | -- | 1.1 | 0.54 | ND | 0.97 | -- | -- | |
| 11/14/94 | 7.42 | 3.18 | 0.00 | 4.24 | 1.47 | 1600 | -- | ND | ND | ND | ND | -- | -- | |
| 02/21/95 | 7.42 | 1.81 | 0.00 | 5.61 | 1.37 | 3800 | -- | 350 | ND | 130 | 22 | -- | -- | |
| 05/18/95 | 7.42 | 4.56 | 0.00 | 2.86 | -2.75 | 1300 | -- | 42 | ND | ND | ND | -- | -- | |
| 08/17/95 | 7.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Inaccessible |
| 07/26/96 | 7.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Inaccessible |
| 10/28/96 | 7.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Obstructed at 0.55 feet |
| 01/29/97 | 7.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Inaccessible |
| 04/15/97 | 7.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Inaccessible |
| 05/27/97 | 7.42 | 3.45 | 0.00 | 3.97 | -- | 670 | -- | 6.5 | ND | ND | ND | 250 | -- | |
| 06/01/97 | 7.42 | 3.50 | 0.00 | 3.92 | -0.05 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/15/97 | 8.04 | 3.71 | 0.00 | 4.33 | -- | 240 | -- | ND | ND | ND | ND | 490 | -- | |
| 10/09/97 | 8.04 | 3.70 | 0.00 | 4.34 | -- | 270 | -- | 1.1 | ND | 2.4 | 1.4 | 910 | -- | |
| 01/14/98 | 8.04 | 2.16 | 0.00 | 5.88 | 1.54 | 310 | -- | ND | ND | 0.62 | 0.65 | 140 | -- | |
| 04/01/98 | 8.04 | 2.20 | 0.00 | 5.84 | -- | 370 | -- | 5.7 | ND | ND | ND | 93 | -- | |
| 07/15/98 | 8.04 | 3.38 | 0.00 | 4.66 | -- | 460 | -- | ND | ND | ND | ND | 230 | -- | |
| 10/16/98 | 8.04 | 2.30 | 0.00 | 5.74 | -- | 330 | -- | 4.7 | ND | ND | ND | 60 | -- | |
| 01/25/99 | 8.04 | 2.42 | 0.00 | 5.62 | -- | 420 | -- | 1.5 | ND | ND | ND | 180 | -- | |
| 04/15/99 | 8.04 | 2.16 | 0.00 | 5.88 | -- | 290 | -- | 0.54 | ND | ND | ND | 160 | -- | |

## Table 2
## HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
### February 1992 Through January 2005
### 76 Station 5043

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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** | | | | | | | | | | | | | | |
| 07/14/99 | 8.04 | 2.35 | 0.00 | 5.69 | -- | 290 | -- | 3.2 | ND | ND | ND | 160 | -- | |
| 10/21/99 | 8.04 | 2.49 | 0.00 | 5.55 | -- | 360 | -- | 0.77 | ND | ND | ND | 82 | -- | |
| 01/20/00 | 8.04 | 2.38 | 0.00 | 5.66 | -- | ND | -- | 0.81 | ND | ND | ND | 54 | -- | |
| 04/13/00 | 8.04 | 2.76 | 0.00 | 5.28 | -- | 250 | -- | 0.69 | ND | ND | ND | 91 | 150 | |
| 07/14/00 | 8.04 | 3.26 | 0.00 | 4.78 | -- | 345 | -- | ND | ND | ND | ND | 94.7 | -- | |
| 10/26/00 | 8.04 | 3.12 | 0.00 | 4.92 | -- | 480 | -- | 6.0 | ND | ND | ND | 120 | -- | |
| 01/03/01 | 8.04 | 3.65 | 0.00 | 4.39 | -0.53 | 364 | -- | 1.59 | ND | ND | ND | 118 | -- | |
| 04/04/01 | 8.04 | 3.98 | 0.00 | 4.06 | -0.33 | 417 | -- | 1.24 | ND | ND | 0.802 | 237 | -- | |
| 07/17/01 | 8.04 | 3.12 | 0.00 | 4.92 | 0.86 | 480 | -- | ND | ND | ND | ND | 150 | -- | |
| 10/01/01 | 8.04 | 3.25 | 0.00 | 4.79 | -0.13 | 310 | -- | 1.0 | ND<0.50 | ND<0.50 | ND<0.50 | 53 | -- | |
| 01/31/02 | 8.04 | 2.27 | 0.00 | 5.77 | 0.98 | 250 | -- | 3.5 | ND<1.0 | ND<1.0 | ND<1.0 | 110 | -- | |
| 04/18/02 | 8.04 | 3.55 | 0.00 | 4.49 | -1.28 | 300 | -- | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | -- | 59 | |
| 07/28/02 | 8.04 | 2.55 | 0.00 | 5.49 | 1.00 | -- | 500 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 130 | |
| 10/09/02 | 8.04 | 2.47 | 0.00 | 5.57 | 0.08 | -- | 690 | ND<5 | ND<5 | ND<5 | ND<10 | -- | 120 | |
| 01/02/03 | 8.04 | 1.70 | 0.00 | 6.34 | 0.77 | -- | 310 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 110 | |
| 04/01/03 | 8.04 | 3.48 | 0.00 | 4.56 | -- | -- | 250 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | -- | 210 | |
| 07/01/03 | 8.04 | 2.65 | 0.00 | 5.39 | 0.83 | -- | 450 | ND<2.5 | ND<2.5 | ND<2.5 | ND<5.0 | -- | 70 | |
| 10/02/03 | 8.04 | 3.12 | 0.00 | 4.92 | -0.47 | -- | ND<250 | ND<2.5 | ND<2.5 | ND<2.5 | ND<5.0 | -- | 210 | |
| 01/09/04 | 8.04 | 2.39 | 0.00 | 5.65 | 0.73 | -- | 300 | ND<0.50 | 0.53 | 0.53 | 1.5 | -- | 66 | |
| 04/26/04 | 8.04 | 3.11 | 0.00 | 4.93 | -0.72 | -- | 440 | 2.5 | 5.5 | 2.9 | 9.4 | -- | 81 | |
| 07/22/04 | 8.04 | 2.51 | 0.00 | 5.53 | 0.60 | -- | 420 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | -- | 72 | |
| 10/29/04 | 8.04 | 2.00 | 0.00 | 6.04 | 0.51 | -- | 460 | 5.6 | 15 | 10 | 46 | -- | 48 | |
| 01/10/05 | 8.04 | 1.52 | 0.00 | 6.52 | 0.48 | -- | 280 | ND<0.50 | 0.62 | ND<0.50 | 2.4 | -- | 64 | |
| **MW-4** | **(Screen Interval in feet: DNA)** | | | | | | | | | | | | | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**February 1992 Through January 2005**

**76 Station 5043**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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** | | | | | | | | | | | | | | |
| 08/31/92 | -- | -- | -- | -- | -- | 240 | -- | ND | ND | ND | 0.54 | -- | -- | |
| 11/30/92 | -- | -- | -- | -- | -- | 420 | -- | ND | ND | ND | ND | -- | -- | |
| 02/04/93 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 05/04/93 | 9.00 | 4.09 | 0.00 | 4.91 | -- | 110 | -- | 0.95 | ND | ND | ND | -- | -- | |
| 08/04/93 | 9.00 | 5.01 | 0.00 | 3.99 | -0.92 | 250 | -- | ND | 3.5 | ND | 4.1 | -- | -- | |
| 11/03/93 | 8.41 | 4.23 | 0.00 | 4.18 | 0.19 | 130 | -- | ND | ND | ND | ND | -- | -- | |
| 02/07/94 | 8.41 | 3.35 | 0.00 | 5.06 | 0.88 | 56 | -- | ND | ND | ND | ND | -- | -- | |
| 05/19/94 | 8.41 | 3.92 | 0.00 | 4.49 | -0.57 | 140 | -- | ND | ND | ND | ND | -- | -- | |
| 06/25/94 | 8.41 | 4.35 | 0.00 | 4.06 | -0.43 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/27/94 | 8.41 | 4.28 | 0.00 | 4.13 | 0.07 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 08/15/94 | 8.41 | 4.27 | 0.00 | 4.14 | 0.01 | 59 | -- | ND | 0.6 | ND | ND | -- | -- | |
| 11/14/94 | 8.41 | 4.05 | 0.00 | 4.36 | 0.22 | 130 | -- | ND | ND | ND | ND | -- | -- | |
| 02/21/95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Destroyed |
| **MW-5** | **(Screen Interval in feet: DNA)** | | | | | | | | | | | | | |
| 08/31/92 | -- | -- | -- | -- | -- | 78 | -- | 0.89 | ND | ND | 13 | -- | -- | |
| 11/30/92 | -- | -- | -- | -- | -- | 930 | -- | 70 | 290 | 0.79 | 14 | -- | -- | |
| 02/04/93 | -- | -- | -- | -- | -- | 5700 | -- | 38 | ND | 620 | 170 | -- | -- | |
| 05/04/93 | 8.95 | 4.37 | 0.00 | 4.58 | -- | 7400 | -- | 41 | ND | 1000 | 35 | -- | -- | |
| 08/04/93 | 8.95 | 5.81 | 0.00 | 3.14 | -1.44 | 1500 | -- | 130 | 1 | 460 | 11 | -- | -- | |
| 11/03/93 | 8.95 | 5.68 | 0.00 | 3.27 | 0.13 | 13000 | -- | 350 | ND | 3500 | 530 | -- | -- | |
| 02/07/94 | 8.95 | 5.11 | 0.00 | 3.84 | 0.57 | 2000 | -- | 87 | ND | 370 | 110 | -- | -- | |
| 05/19/94 | 8.95 | 5.09 | 0.00 | 3.86 | 0.02 | 260 | -- | 44 | ND | 32 | 4.1 | -- | -- | |
| 06/25/94 | 8.95 | 4.55 | 0.00 | 4.40 | 0.54 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/27/94 | 8.95 | 5.72 | 0.00 | 3.23 | -1.17 | -- | -- | -- | -- | -- | -- | -- | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**February 1992 Through January 2005**

**76 Station 5043**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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 | | | | | | | | | | | | | | |
| 08/15/94 | 8.95 | 5.68 | 0.00 | 3.27 | 0.04 | 1600 | -- | 110 | ND | 340 | 72 | -- | -- | |
| 11/14/94 | 8.95 | 5.63 | 0.00 | 3.32 | 0.05 | 250 | -- | 40 | ND | ND | 5 | -- | -- | |
| 02/21/95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Destroyed |
| **MW-6** | **(Screen Interval in feet: 2.5-13.5)** | | | | | | | | | | | | | |
| 08/31/92 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 11/30/92 | -- | -- | -- | -- | -- | 9200 | -- | 550 | ND | 740 | 1600 | -- | -- | |
| 02/04/93 | -- | -- | -- | -- | -- | 3600 | -- | 340 | ND | 290 | 550 | -- | -- | |
| 05/04/93 | 9.12 | 3.72 | 0.00 | 5.40 | -- | 4900 | -- | 360 | 18 | 450 | 430 | -- | -- | |
| 08/04/93 | 9.12 | 5.15 | 0.00 | 3.97 | -1.43 | 3400 | -- | 390 | ND | 440 | 190 | -- | -- | |
| 11/03/93 | 8.87 | 5.25 | 0.00 | 3.62 | -0.35 | 1400 | -- | 320 | ND | 200 | 7.7 | -- | -- | |
| 02/07/94 | 8.87 | 4.55 | 0.00 | 4.32 | 0.70 | 4900 | -- | 650 | ND | 250 | 35 | -- | -- | |
| 05/19/94 | 8.87 | 4.62 | 0.00 | 4.25 | -0.07 | 3600 | -- | 300 | 1.7 | 210 | 41 | -- | -- | |
| 08/15/94 | 8.87 | 5.08 | 0.00 | 3.79 | -- | 1300 | -- | 130 | 6.7 | 54 | 57 | -- | -- | |
| 11/14/94 | 8.87 | 5.30 | 0.00 | 3.57 | -0.22 | 730 | -- | 50 | ND | ND | 39 | -- | -- | |
| 02/21/95 | 8.87 | 5.37 | 0.00 | 3.50 | -0.07 | 2000 | -- | 250 | 4.6 | 25 | 30 | -- | -- | |
| 05/18/95 | 8.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Inaccessible |
| 08/17/95 | 8.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Inaccessible |
| 07/26/96 | 8.87 | 6.40 | 3.33 | 4.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 10/28/96 | 8.87 | 4.10 | 0.21 | 4.93 | -0.04 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 11/13/96 | 8.87 | 4.02 | 0.25 | 5.04 | 0.11 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/25/96 | 8.87 | 4.01 | 0.75 | 5.42 | 0.38 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/04/96 | 8.87 | 3.65 | 0.50 | 5.59 | 0.17 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/19/96 | 8.87 | 4.80 | 2.20 | 5.72 | 0.13 | -- | -- | -- | -- | -- | -- | -- | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**February 1992 Through January 2005**

**76 Station 5043**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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 | | | | | | | | | | | | | | |
| 01/08/97 | 8.87 | 4.84 | 1.75 | 5.34 | -0.38 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/14/97 | 8.87 | 4.51 | 1.15 | 5.22 | -0.12 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/27/97 | 8.87 | 4.00 | 1.75 | 6.18 | 0.96 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/29/97 | 8.87 | 3.24 | 0.31 | 5.86 | -0.32 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 02/11/97 | 8.87 | 4.65 | 1.20 | 5.12 | -0.74 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 02/24/97 | 8.87 | 4.81 | 1.10 | 4.89 | -0.23 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 03/10/97 | 8.87 | 4.60 | 0.95 | 4.98 | 0.10 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 03/17/97 | 8.87 | 4.50 | 0.89 | 5.04 | 0.05 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 03/31/97 | 8.87 | 4.65 | 1.00 | 4.97 | -0.07 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 04/15/97 | 8.87 | 4.90 | 1.03 | 4.74 | -0.23 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 04/28/97 | 8.87 | 4.78 | 0.03 | 4.11 | -0.63 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 05/15/97 | 8.87 | 4.60 | 0.25 | 4.46 | 0.35 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 05/27/97 | 8.87 | 4.50 | 0.25 | 4.56 | 0.10 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 06/09/97 | 8.87 | 4.60 | 0.20 | 4.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 06/24/97 | 8.87 | 4.50 | 0.25 | 4.56 | 0.14 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/09/97 | 8.87 | 4.80 | 0.60 | 4.52 | -0.04 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/15/97 | 8.87 | 4.63 | 0.42 | 4.55 | 0.04 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 07/21/97 | 8.87 | 4.75 | 0.25 | 4.31 | -0.25 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 08/06/97 | 8.87 | 4.50 | 0.10 | 4.44 | 0.14 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 08/20/97 | 8.87 | 4.55 | 0.10 | 4.39 | -0.05 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 09/02/97 | 8.87 | 4.75 | 0.05 | 4.16 | -0.24 | -- | -- | -- | -- | -- | -- | -- | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**February 1992 Through January 2005**

**76 Station 5043**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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 | | | | | | | | | | | | | | |
| 10/09/97 | 8.87 | 4.84 | 0.04 | 4.06 | -0.10 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 01/14/98 | 8.87 | 3.90 | 0.94 | 5.67 | 1.61 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 02/12/98 | 8.87 | 3.35 | 0.64 | 6.00 | 0.33 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 03/03/98 | 8.87 | 4.51 | 0.02 | 4.37 | -1.63 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 04/01/98 | 8.87 | 3.67 | 1.60 | 6.40 | 2.03 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 05/26/98 | 8.87 | 4.11 | 0.50 | 5.13 | -1.26 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 06/15/98 | 8.87 | 5.03 | 0.30 | 4.06 | -1.07 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/15/98 | 8.87 | 4.56 | 0.05 | 4.35 | 0.28 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 08/21/98 | 8.87 | 4.77 | 0.02 | 4.11 | -0.23 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 09/30/98 | 8.87 | 5.08 | 0.03 | 3.81 | -0.30 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 10/16/98 | 8.87 | 4.31 | 2.40 | 6.36 | 2.55 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 11/06/98 | 8.87 | 3.98 | 0.17 | 5.02 | -1.34 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/25/98 | 8.87 | 3.92 | 0.10 | 5.02 | 0.01 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/28/98 | 8.87 | 3.90 | 0.20 | 5.12 | 0.10 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/25/99 | 8.87 | 4.18 | 0.60 | 5.14 | 0.02 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 02/22/99 | 8.87 | 4.07 | 0.22 | 4.96 | -0.18 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 03/22/99 | 8.87 | 4.32 | 0.15 | 4.66 | -0.30 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 04/15/99 | 8.87 | 4.23 | 0.95 | 5.35 | 0.69 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 05/28/99 | 8.87 | 4.38 | 0.39 | 4.78 | -0.57 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 06/29/99 | 8.87 | 4.12 | 0.02 | 4.76 | -0.02 | -- | -- | -- | -- | -- | -- | -- | -- | |

## Table 2
## HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
### February 1992 Through January 2005
### 76 Station 5043

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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** | | | | | | | | | | | | | | |
| 07/14/99 | 8.87 | 4.20 | 0.03 | 4.69 | -0.07 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 08/23/99 | 8.87 | 4.51 | 0.24 | 4.54 | -0.15 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 09/30/99 | 8.87 | 4.17 | 0.17 | 4.83 | 0.29 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 10/21/99 | 8.87 | 4.27 | 0.12 | 4.69 | -0.14 | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled - presence of free product |
| 11/29/99 | 8.87 | 4.18 | 0.00 | 4.69 | 0.00 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/20/99 | 8.87 | 4.26 | 0.01 | 4.62 | -0.07 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/20/00 | 8.87 | 4.31 | 0.00 | 4.56 | -0.06 | 130000 | -- | 2900 | 8600 | 2000 | 16000 | ND | -- | |
| 02/26/00 | 8.87 | 3.98 | 0.00 | 4.89 | 0.33 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 03/31/00 | 8.87 | 4.14 | 0.00 | 4.73 | -0.16 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 04/13/00 | 8.87 | 4.04 | 0.00 | 4.83 | 0.10 | 140000 | -- | 5000 | 14000 | 3600 | 27000 | 7700 | -- | |
| 05/26/00 | 8.87 | 4.41 | 0.00 | 4.46 | -0.37 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 06/17/00 | 8.87 | 4.35 | 0.00 | 4.52 | 0.06 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/14/00 | 8.87 | 4.47 | 0.00 | 4.40 | -0.12 | 259000 | -- | 7670 | 13700 | 6860 | 40700 | ND | ND | |
| 08/24/00 | 8.87 | 3.71 | 0.00 | 5.16 | 0.76 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 09/27/00 | 8.87 | 4.33 | 0.00 | 4.54 | -0.62 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 10/26/00 | 8.87 | 4.32 | 0.00 | 4.55 | 0.01 | 110000 | -- | 7000 | 6200 | 3700 | 12000 | 670 | 43 | |
| 01/03/01 | 8.87 | 4.52 | 0.00 | 4.35 | -0.20 | 84700 | -- | 3950 | 4130 | 3650 | 11800 | ND | ND | |
| 04/04/01 | 8.87 | 4.29 | 0.00 | 4.58 | 0.23 | 69800 | -- | 2060 | 2840 | 3650 | 10900 | ND | 47.8 | |
| 07/17/01 | 8.87 | 4.37 | 0.00 | 4.50 | -0.08 | 100000 | -- | 3200 | 3300 | 3400 | 12000 | ND | -- | |
| 10/01/01 | 8.87 | 4.45 | 0.00 | 4.42 | -0.08 | 110000 | -- | 3200 | 2400 | 4500 | 13000 | ND<1000 | -- | |
| 01/31/02 | 8.87 | 4.03 | 0.00 | 4.84 | 0.42 | 230000 | -- | 2400 | 1800 | 5400 | 16000 | ND<2500 | -- | |
| 04/18/02 | 8.87 | 3.45 | 0.00 | 5.42 | 0.58 | 94000 | -- | 6800 | 13000 | 3000 | 19000 | ND<500 | -- | |
| 07/28/02 | 8.87 | 2.24 | 0.00 | 6.63 | 1.21 | -- | 110000 | 530 | 170 | 3200 | 7300 | -- | ND<100 | |

## Table 2
## HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
## February 1992 Through January 2005
## 76 Station 5043

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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** | | | | | | | | | | | | | | |
| 10/09/02 | 8.87 | 3.53 | 0.00 | 5.34 | -1.29 | -- | 970000 | 10000 | 39000 | 13000 | 94000 | -- | ND<2000 | |
| 01/02/03 | 8.87 | 2.34 | 0.00 | 6.53 | 1.19 | -- | 270000 | 6100 | 15000 | 5400 | 37000 | -- | ND<200 | |
| 04/01/03 | 8.87 | 3.17 | 0.00 | 5.70 | -- | -- | 3000000 | 8000 | 39000 | 37000 | 260000 | -- | ND<2000 | |
| 07/01/03 | 8.87 | 3.55 | 0.00 | 5.32 | -0.38 | -- | 38000 | 2100 | 990 | 2700 | 6500 | -- | ND<100 | |
| 10/02/03 | 8.87 | 3.82 | 0.00 | 5.05 | -0.27 | -- | 100000 | 5600 | 6900 | 4700 | 18000 | -- | ND<800 | |
| 01/09/04 | 8.87 | 2.80 | 0.00 | 6.07 | 1.02 | -- | 170000 | 2800 | 3300 | 4700 | 16000 | -- | ND<200 | |
| 04/26/04 | 8.87 | 3.40 | 0.00 | 5.47 | -0.60 | -- | 97000 | 5900 | 9000 | 5100 | 23000 | -- | ND<50 | |
| 07/22/04 | 8.87 | 3.54 | 0.00 | 5.33 | -0.14 | -- | 110000 | 4100 | 5100 | 4000 | 16000 | -- | ND<200 | |
| 10/29/04 | 8.87 | 3.03 | 0.00 | 5.84 | 0.51 | -- | 100000 | 5200 | 6100 | 4200 | 15000 | -- | ND<50 | |
| 01/10/05 | 8.87 | 2.35 | 0.00 | 6.52 | 0.68 | -- | 71000 | 1600 | 3700 | 2100 | 9900 | -- | ND<50 | |
| **MW-7** | **(Screen Interval in feet: 3.0-13.0)** | | | | | | | | | | | | | |
| 05/27/97 | 8.83 | 4.50 | 0.00 | 4.33 | -- | 68 | -- | ND | ND | ND | ND | ND | -- | |
| 06/01/97 | 8.83 | 4.54 | 0.00 | 4.29 | -0.04 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/15/97 | 8.83 | 4.70 | 0.00 | 4.13 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 10/09/97 | 8.83 | 4.30 | 0.00 | 4.53 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/14/98 | 8.83 | 2.88 | 0.00 | 5.95 | 1.42 | ND | -- | ND | ND | ND | ND | 36 | -- | |
| 04/01/98 | 8.83 | 3.13 | 0.00 | 5.70 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 07/15/98 | 8.83 | 4.45 | 0.00 | 4.38 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 10/16/98 | 8.83 | 3.45 | 0.00 | 5.38 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/25/99 | 8.83 | 3.22 | 0.00 | 5.61 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 04/15/99 | 8.83 | 3.11 | 0.00 | 5.72 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 07/14/99 | 8.83 | 3.34 | 0.00 | 5.49 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 10/21/99 | 8.83 | 3.43 | 0.00 | 5.40 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/20/00 | 8.83 | 3.29 | 0.00 | 5.54 | -- | ND | -- | ND | ND | ND | ND | 4.2 | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**February 1992 Through January 2005**

**76 Station 5043**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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** | | | | | | | | | | | | | | |
| 04/13/00 | 8.83 | 3.39 | 0.00 | 5.44 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 07/14/00 | 8.83 | 4.42 | 0.00 | 4.41 | -- | ND | -- | ND | ND | ND | ND | 7.83 | -- | |
| 07/17/01 | 8.83 | 5.06 | 0.00 | 3.77 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 10/01/01 | 8.83 | 4.98 | 0.00 | 3.85 | 0.08 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<5.0 | -- | |
| 01/31/02 | 8.83 | 3.88 | 0.00 | 4.95 | 1.10 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 04/18/02 | 8.83 | 4.03 | 0.00 | 4.80 | -0.15 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 5.7 | -- | |
| 07/28/02 | 8.83 | 3.59 | 0.00 | 5.24 | 0.44 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 3.9 | |
| 10/09/02 | 8.83 | 4.53 | 0.00 | 4.30 | -0.94 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 3.9 | |
| 01/03/03 | 8.83 | 3.36 | 0.00 | 5.47 | -- | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |
| 04/01/03 | 8.83 | 3.94 | 0.00 | 4.89 | -0.58 | -- | 71 | ND<0.50 | ND<0.50 | 0.71 | ND<1.0 | -- | 3.4 | |
| 07/01/03 | 8.83 | 4.60 | 0.00 | 4.23 | -0.66 | -- | 64 | ND<0.50 | ND<0.50 | 0.77 | 2.0 | -- | 35 | |
| 10/02/03 | 8.83 | 5.46 | 0.00 | 3.37 | -0.86 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 4.9 | |
| 01/09/04 | 8.83 | 3.55 | 0.00 | 5.28 | 1.91 | -- | 54 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 2.4 | |
| 04/26/04 | 8.83 | 4.49 | 0.00 | 4.34 | -0.94 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | 1.5 | -- | 2.3 | |
| 07/22/04 | 8.83 | 4.93 | 0.00 | 3.90 | -0.44 | -- | 82 | 0.90 | 2.0 | 3.5 | 9.9 | -- | 1.4 | |
| 10/29/04 | 8.83 | 3.71 | 0.00 | 5.12 | 1.22 | -- | 210 | 0.67 | 1.6 | 1.7 | 5.8 | -- | ND<0.50 | |
| 01/10/05 | 8.83 | 2.77 | 0.00 | 6.06 | 0.94 | -- | 74 | 0.51 | 2.2 | 1.7 | 7.0 | -- | ND<0.50 | |
| **MW-8** | **(Screen Interval in feet: 3.0-15.0)** | | | | | | | | | | | | | |
| 05/27/97 | 8.52 | 3.42 | 0.00 | 5.10 | -- | 310 | -- | 0.88 | 0.67 | 15 | 70 | ND | -- | |
| 06/01/97 | 8.52 | 3.46 | 0.00 | 5.06 | -0.04 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/15/97 | 8.52 | 3.49 | 0.00 | 5.03 | -- | ND | -- | ND | ND | 2.7 | 3.8 | ND | -- | |
| 10/09/97 | 8.52 | 3.73 | 0.00 | 4.79 | -- | 590 | -- | 1.4 | ND | 32 | 4.1 | ND | -- | |
| 01/14/98 | 8.52 | 1.92 | 0.00 | 6.60 | 1.81 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 04/01/98 | 8.52 | 2.38 | 0.00 | 6.14 | -- | ND | -- | ND | ND | ND | ND | 4.7 | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**February 1992 Through January 2005**

**76 Station 5043**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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 | | | | | | | | | | | | | | |
| 07/15/98 | 8.52 | 3.53 | 0.00 | 4.99 | -- | ND | -- | ND | ND | 0.56 | 1.1 | ND | -- | |
| 10/16/98 | 8.52 | 3.04 | 0.00 | 5.48 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/25/99 | 8.52 | 2.92 | 0.00 | 5.60 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 04/15/99 | 8.52 | 2.40 | 0.00 | 6.12 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 07/14/99 | 8.52 | 3.03 | 0.00 | 5.49 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 10/21/99 | 8.52 | 3.11 | 0.00 | 5.41 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/20/00 | 8.52 | 3.06 | 0.00 | 5.46 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 04/13/00 | 8.52 | 2.84 | 0.00 | 5.68 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 07/14/00 | 8.52 | 3.39 | 0.00 | 5.13 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 07/17/01 | 8.52 | 3.46 | 0.00 | 5.06 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 10/01/01 | 8.52 | 3.51 | 0.00 | 5.01 | -0.05 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<5.0 | -- | |
| 01/31/02 | 8.52 | 2.75 | 0.00 | 5.77 | 0.76 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 04/18/02 | 8.52 | 2.98 | 0.00 | 5.54 | -0.23 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 07/28/02 | 8.52 | 2.41 | 0.00 | 6.11 | 0.57 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |
| 10/09/02 | 8.52 | 2.09 | 0.00 | 6.43 | 0.32 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |
| 01/02/03 | 8.52 | 1.98 | 0.00 | 6.54 | 0.11 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |
| 04/01/03 | 8.52 | 2.66 | 0.00 | 5.86 | -- | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |
| 07/01/03 | 8.52 | 3.08 | 0.00 | 5.44 | -0.42 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |
| 10/02/03 | 8.52 | 3.89 | 0.00 | 4.63 | -0.81 | -- | 540 | 3.9 | 15 | 29 | 80 | -- | ND<2.0 | |
| 01/09/04 | 8.52 | 2.38 | 0.00 | 6.14 | 1.51 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |
| 04/26/04 | 8.52 | 2.89 | 0.00 | 5.63 | -0.51 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| 07/22/04 | 8.52 | 3.25 | 0.00 | 5.27 | -0.36 | -- | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | -- | ND<0.5 | |
| 10/29/04 | 8.52 | 3.06 | 0.00 | 5.46 | 0.19 | -- | ND<50 | ND<0.50 | ND<0.50 | 0.82 | 2.5 | -- | ND<0.50 | |
| 01/10/05 | 8.52 | 1.92 | 0.00 | 6.60 | 1.14 | -- | 58 | ND<0.50 | 0.61 | 1.2 | 4.0 | -- | ND<0.50 | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**February 1992 Through January 2005**

**76 Station 5043**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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-9** | **(Screen Interval in feet: 3.0-13.0)** | | | | | | | | | | | | | |
| 02/21/95 | 8.29 | 1.98 | 0.00 | 6.31 | -- | 70 | -- | ND | ND | ND | ND | -- | -- | |
| 05/18/95 | 8.29 | 3.47 | 0.00 | 4.82 | -1.49 | 52 | -- | ND | 1.1 | ND | 1.9 | -- | -- | |
| 08/17/95 | 8.29 | 1.49 | 0.00 | 6.80 | 1.98 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 07/26/96 | 8.29 | 0.28 | 0.00 | 8.01 | 1.21 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 10/28/96 | 8.29 | 1.15 | 0.00 | 7.14 | -0.87 | ND | -- | ND | ND | ND | ND | 7.6 | -- | |
| 01/29/97 | 8.29 | 1.05 | 0.00 | 7.24 | -- | ND | -- | ND | ND | ND | ND | 5.4 | -- | |
| 04/15/97 | 8.29 | 1.88 | 0.00 | 6.41 | -- | ND | -- | ND | ND | ND | ND | 5.4 | -- | |
| 05/27/97 | 8.29 | 1.05 | 0.00 | 7.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/15/97 | 8.29 | 1.90 | 0.00 | 6.39 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 10/09/97 | 8.29 | 1.76 | 0.00 | 6.53 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/14/98 | 8.29 | 1.26 | 0.00 | 7.03 | 0.50 | ND | -- | ND | ND | ND | ND | 3.0 | -- | |
| 04/01/98 | 8.29 | 0.85 | 0.00 | 7.44 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 07/15/98 | 8.29 | 1.52 | 0.00 | 6.77 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 10/16/98 | 8.29 | 0.81 | 0.00 | 7.48 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/25/99 | 8.29 | 0.92 | 0.00 | 7.37 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 04/15/99 | 8.29 | 0.90 | 0.00 | 7.39 | -- | 75 | -- | 21 | ND | ND | 1.1 | 680 | -- | |
| 07/14/99 | 8.29 | 1.04 | 0.00 | 7.25 | -- | ND | -- | 1.9 | ND | ND | ND | 260 | -- | |
| 10/21/99 | 8.29 | 1.23 | 0.00 | 7.06 | -- | ND | -- | ND | ND | ND | ND | 170 | -- | |
| 01/20/00 | 8.29 | 1.18 | 0.00 | 7.11 | -- | ND | -- | 1.1 | ND | ND | ND | 35 | -- | |
| 04/13/00 | 8.29 | 1.08 | 0.00 | 7.21 | -- | 160 | -- | 0.64 | ND | ND | ND | 53 | -- | |
| 07/14/00 | 8.29 | 1.43 | 0.00 | 6.86 | -- | ND | -- | ND | ND | ND | ND | 20.2 | -- | |
| 10/26/00 | 8.29 | 1.38 | 0.00 | 6.91 | -- | 240 | -- | 2.9 | ND | ND | ND | 56 | -- | |
| 01/03/01 | 8.29 | 1.66 | 0.00 | 6.63 | -0.28 | 166 | -- | 0.763 | 0.776 | ND | 1.28 | 50.2 | -- | |
| 04/04/01 | 8.29 | 1.27 | 0.00 | 7.02 | 0.39 | 296 | -- | 0.738 | ND | ND | 0.907 | 135 | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**February 1992 Through January 2005**

**76 Station 5043**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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-9 continued** | | | | | | | | | | | | | | |
| 07/17/01 | 8.29 | 1.38 | 0.00 | 6.91 | -0.11 | ND | -- | ND | ND | ND | ND | 13 | -- | |
| 10/01/01 | 8.29 | 1.93 | 0.00 | 6.36 | -0.55 | 51 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 5.0 | -- | |
| 01/31/02 | 8.29 | 2.08 | 0.00 | 6.21 | -0.15 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 5.8 | -- | |
| 04/18/02 | 8.29 | 1.76 | 0.00 | 6.53 | 0.32 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 5.1 | -- | |
| 07/28/02 | 8.29 | 1.57 | 0.00 | 6.72 | 0.19 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 3.5 | |
| 10/09/02 | 8.29 | 1.45 | 0.00 | 6.84 | 0.12 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 17 | |
| 01/02/03 | 8.29 | 1.18 | 0.00 | 7.11 | 0.27 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 8.6 | |
| 04/01/03 | 8.29 | 2.04 | 0.00 | 6.25 | -- | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 9.4 | |
| 07/01/03 | 8.29 | 2.80 | 0.00 | 5.49 | -0.76 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 3.2 | |
| 10/02/03 | 8.29 | 2.70 | 0.00 | 5.59 | 0.10 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |
| 01/09/04 | 8.29 | 1.90 | 0.00 | 6.39 | 0.80 | -- | 74 | ND<0.50 | 0.98 | 2.3 | 6.2 | -- | ND<2.0 | |
| 04/26/04 | 8.29 | 1.62 | 0.00 | 6.67 | 0.28 | -- | 51 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 0.51 | |
| 07/22/04 | 8.29 | 1.88 | 0.00 | 6.41 | -0.26 | -- | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | -- | 0.78 | |
| 10/29/04 | 8.29 | 1.28 | 0.00 | 7.01 | 0.60 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | 1.0 | -- | ND<0.50 | |
| 01/10/05 | 8.29 | 0.07 | 0.00 | 8.22 | 1.21 | -- | 93 | 0.60 | 2.3 | 2.4 | 9.0 | -- | ND<0.50 | |
| **MW-10** | **(Screen Interval in feet: 3.0-13.0)** | | | | | | | | | | | | | |
| 02/21/95 | 8.62 | 4.69 | 0.00 | 3.93 | -- | 1500 | -- | 250 | 26 | 9.1 | 160 | -- | -- | |
| 05/18/95 | 8.62 | 4.92 | 0.00 | 3.70 | -0.23 | 810 | -- | 520 | ND | 18 | 23 | -- | -- | |
| 08/17/95 | 8.62 | 4.05 | 0.00 | 4.57 | 0.87 | 67 | -- | 25 | ND | 2.4 | ND | -- | -- | |
| 07/26/96 | 8.62 | 4.08 | 0.00 | 4.54 | -0.03 | ND | -- | 3.7 | ND | ND | ND | ND | -- | |
| 10/28/96 | 8.62 | 4.09 | 0.00 | 4.53 | -0.01 | ND | -- | 1.1 | ND | ND | ND | ND | -- | |
| 01/29/97 | 8.62 | 2.94 | 0.00 | 5.68 | -- | 210 | -- | 41 | 0.67 | 7.2 | 4.8 | 11 | -- | |
| 04/15/97 | 8.62 | 4.07 | 0.00 | 4.55 | -- | 110 | -- | 12 | ND | 0.77 | ND | 9.7 | -- | |
| 05/27/97 | 8.62 | 4.40 | 0.00 | 4.22 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |

## Table 2
## HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
## February 1992 Through January 2005
## 76 Station 5043

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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-10 | continued | | | | | | | | | | | | | |
| 07/15/97 | 8.62 | 4.19 | 0.00 | 4.43 | -- | ND | -- | 2.1 | ND | 0.67 | 0.73 | ND | -- | |
| 10/09/97 | 8.62 | 4.75 | 0.00 | 3.87 | -- | 190 | -- | 38 | 0.92 | 6.6 | 7.6 | ND | -- | |
| 01/14/98 | 8.62 | 2.66 | 0.00 | 5.96 | 2.09 | 59 | -- | 9.5 | 0.85 | 1.2 | 1.7 | 4.5 | -- | |
| 04/01/98 | 8.62 | 3.45 | 0.00 | 5.17 | -- | 230 | -- | 66 | 1.7 | 12 | 17 | 6.4 | -- | |
| 07/15/98 | 8.62 | 4.21 | 0.00 | 4.41 | -- | 290 | -- | 98 | 45 | 21 | 38 | 21 | -- | |
| 10/16/98 | 8.62 | 4.11 | 0.00 | 4.51 | -- | 160 | -- | 44 | 0.96 | 2.5 | 10 | 17 | -- | |
| 01/25/99 | 8.62 | 3.26 | 0.00 | 5.36 | -- | 140 | -- | 27 | ND | 2.8 | 6.8 | 23 | -- | |
| 04/15/99 | 8.62 | 3.63 | 0.00 | 4.99 | -- | 120 | -- | 18 | ND | 1.8 | 5.1 | 14 | -- | |
| 07/14/99 | 8.62 | 3.89 | 0.00 | 4.73 | -- | 280 | -- | 55 | 3.2 | 11 | 31 | 6.1 | -- | |
| 10/21/99 | 8.62 | 4.09 | 0.00 | 4.53 | -- | 140 | -- | 22 | 0.59 | 1.7 | 7.7 | 5.3 | -- | |
| 01/20/00 | 8.62 | 3.92 | 0.00 | 4.70 | -- | ND | -- | 0.73 | 0.86 | ND | ND | 5.2 | -- | |
| 04/13/00 | 8.62 | 3.85 | 0.00 | 4.77 | -- | 67 | -- | 54 | ND | 2.6 | ND | 3.8 | -- | |
| 07/14/00 | 8.62 | 4.18 | 0.00 | 4.44 | -- | ND | -- | 0.547 | ND | ND | ND | ND | -- | |
| 10/26/00 | 8.62 | 3.96 | 0.00 | 4.66 | -- | ND | -- | 3.3 | ND | 0.83 | 1.5 | ND | -- | |
| 01/03/01 | 8.62 | 4.14 | 0.00 | 4.48 | -0.18 | 52.7 | -- | 5.15 | ND | 0.823 | 1.57 | ND | -- | |
| 04/04/01 | 8.62 | 3.88 | 0.00 | 4.74 | 0.26 | 129 | -- | 28.1 | 1.67 | 4.97 | 10.1 | ND | -- | |
| 07/17/01 | 8.62 | 4.08 | 0.00 | 4.54 | -0.20 | ND | -- | 4.1 | ND | 1.0 | 1.8 | ND | -- | |
| 10/01/01 | 8.62 | 4.22 | 0.00 | 4.40 | -0.14 | 140 | -- | 30 | 0.51 | 4.0 | 12 | ND<5.0 | -- | |
| 01/31/02 | 8.62 | 3.68 | 0.00 | 4.94 | 0.54 | 110 | -- | 16 | ND<0.50 | 2.3 | 5.6 | ND<2.5 | -- | |
| 04/18/02 | 8.62 | 4.01 | 0.00 | 4.61 | -0.33 | ND<50 | -- | 11 | ND<0.50 | 1.4 | 4.5 | ND<2.5 | -- | |
| 07/28/02 | 8.62 | 4.11 | 0.00 | 4.51 | -0.10 | -- | 67 | 15 | ND<0.50 | 0.94 | 7.3 | -- | ND<2.0 | |
| 10/09/02 | 8.62 | 3.97 | 0.00 | 4.65 | 0.14 | -- | ND<50 | 0.67 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |
| 01/02/03 | 8.62 | 3.03 | 0.00 | 5.59 | 0.94 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |
| 04/01/03 | 8.62 | 3.83 | 0.00 | 4.79 | -- | -- | ND<50 | 11 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**February 1992 Through January 2005**

**76 Station 5043**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (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-10** | **continued** | | | | | | | | | | | | | |
| 07/01/03 | 8.62 | 4.13 | 0.00 | 4.49 | -0.30 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |
| 10/02/03 | 8.62 | 4.05 | 0.00 | 4.57 | 0.08 | -- | 77 | 9.9 | 0.78 | 2.3 | 4.9 | -- | ND<2.0 | |
| 01/09/04 | 8.62 | 3.40 | 0.00 | 5.22 | 0.65 | -- | 53 | 1.2 | ND<0.50 | 0.70 | 1.6 | -- | ND<2.0 | |
| 04/26/04 | 8.62 | 3.89 | 0.00 | 4.73 | -0.49 | -- | ND<50 | 2.8 | 1.3 | 1.0 | 2.9 | -- | ND<0.50 | |
| 07/22/04 | 8.62 | 3.73 | 0.00 | 4.89 | 0.16 | -- | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | -- | ND<0.5 | |
| 10/29/04 | 8.62 | 3.41 | 0.00 | 5.21 | 0.32 | -- | 100 | 2.0 | 1.2 | 1.1 | 3.6 | -- | ND<0.50 | |
| 01/10/05 | 8.62 | 2.68 | 0.00 | 5.94 | 0.73 | -- | 84 | 7.8 | 2.7 | 2.2 | 8.9 | -- | ND<0.50 | |

**Table 3**
**ADDITIONAL ANALYTICAL RESULTS**
**76 Station 5043**

| Date Sampled | TPH-D | EDC | EDB | TAME 8260B | TBA 8260B | DIPE 8260B | ETBE 8260B | Ethanol 8260B | TOG |
|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) |
| **MW-1** | | | | | | | | | |
| 02/18/92 | 13000 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/31/92 | 8900 | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-2** | | | | | | | | | |
| 02/18/92 | 4300 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/20/92 | 4300 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/31/92 | 1600 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/30/92 | 5700 | -- | -- | -- | -- | -- | -- | -- | -- |
| 02/04/93 | 6100 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/04/93 | 7100 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/04/93 | 1800 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/03/93 | 2600 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/19/94 | 3000 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/15/94 | 2800 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/14/94 | 10000 | -- | -- | -- | -- | -- | -- | -- | -- |
| 02/21/95 | 2000 | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-3** | | | | | | | | | |
| 02/18/92 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/31/92 | 92 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/30/92 | 94 | -- | -- | -- | -- | -- | -- | -- | -- |
| 02/04/93 | 550 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/04/93 | 250 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/04/93 | 100 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/03/93 | 160 | -- | -- | -- | -- | -- | -- | -- | -- |
| 02/07/94 | 620 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/19/94 | 480 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/15/94 | 110 | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 3**
**ADDITIONAL ANALYTICAL RESULTS**
**76 Station 5043**

| Date Sampled | TPH-D | EDC | EDB | TAME 8260B | TBA 8260B | DIPE 8260B | ETBE 8260B | Ethanol 8260B | TOG |
|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) |
| MW-3 continued | | | | | | | | | |
| 11/14/94 | 150 | -- | -- | -- | -- | -- | -- | -- | -- |
| 02/21/95 | 850 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/18/95 | 150 | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/01/97 | 610 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/15/97 | 240 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/09/97 | 500 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/14/98 | 340 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/98 | 320 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/15/98 | 510 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/16/98 | 67 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/25/99 | 120 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/15/99 | 170 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/14/99 | 420 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/21/99 | 350 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/20/00 | 2060 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/13/00 | 200 | ND | ND | ND | ND | ND | ND | ND | -- |
| 07/14/00 | 423 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/26/00 | 330 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/03/01 | 287 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/04/01 | 360 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/17/01 | 270 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/01/01 | 270 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/31/02 | 250 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/18/02 | 320 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/28/02 | 310 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/09/02 | 700 | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 3**
**ADDITIONAL ANALYTICAL RESULTS**
**76 Station 5043**

| Date Sampled | TPH-D | EDC | EDB | TAME 8260B | TBA 8260B | DIPE 8260B | ETBE 8260B | Ethanol 8260B | TOG |
|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) |
| **MW-3 continued** | | | | | | | | | |
| 01/02/03 | 210 | ND<2.0 | ND<2.0 | ND<2.0 | ND<100 | ND<2.0 | ND<2.0 | ND<500 | -- |
| 04/01/03 | 200 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/01/03 | 380 | -- | -- | -- | -- | -- | -- | ND<2500 | -- |
| 10/02/03 | 300 | -- | -- | -- | -- | -- | -- | ND<2500 | -- |
| 01/09/04 | 200 | -- | -- | -- | -- | -- | -- | ND<500 | -- |
| 04/26/04 | 160 | -- | -- | -- | -- | -- | -- | ND<50 | -- |
| 07/22/04 | 330 | -- | -- | -- | -- | -- | -- | ND<1000 | -- |
| 10/29/04 | 200 | -- | -- | -- | -- | -- | -- | ND<50 | -- |
| 01/10/05 | 250 | -- | -- | -- | -- | -- | -- | ND<50 | -- |
| **MW-4** | | | | | | | | | |
| 08/31/92 | 90 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/30/92 | 61 | -- | -- | -- | -- | -- | -- | -- | -- |
| 02/04/93 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/04/93 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/04/93 | 81 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/03/93 | 68 | -- | -- | -- | -- | -- | -- | -- | -- |
| 02/07/94 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/19/94 | 90 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/15/94 | 72 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/14/94 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-5** | | | | | | | | | |
| 08/31/92 | 690 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/30/92 | 470 | -- | -- | -- | -- | -- | -- | -- | ND |
| 02/04/93 | 5500 | -- | -- | -- | -- | -- | -- | -- | ND |
| 05/04/93 | 4600 | -- | -- | -- | -- | -- | -- | -- | ND |
| 08/04/93 | 970 | -- | -- | -- | -- | -- | -- | -- | ND |

**Table 3**
**ADDITIONAL ANALYTICAL RESULTS**
**76 Station 5043**

| Date Sampled | TPH-D | EDC | EDB | TAME 8260B | TBA 8260B | DIPE 8260B | ETBE 8260B | Ethanol 8260B | TOG |
|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) |
| **MW-5 continued** | | | | | | | | | |
| 11/03/93 | 2100 | -- | -- | -- | -- | -- | -- | -- | -- |
| 02/07/94 | 830 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/19/94 | 600 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/15/94 | 860 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/14/94 | 290 | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-6** | | | | | | | | | |
| 08/31/92 | 750 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/30/92 | 1400 | -- | -- | -- | -- | -- | -- | -- | -- |
| 02/04/93 | 890 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/04/93 | 1800 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/04/93 | 1100 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/03/93 | 390 | -- | -- | -- | -- | -- | -- | -- | -- |
| 02/07/94 | 970 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/19/94 | 1400 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/15/94 | 790 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/14/94 | 800 | -- | -- | -- | -- | -- | -- | -- | -- |
| 02/21/95 | 730 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/20/00 | 67600 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/13/00 | 8700 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/14/00 | 133000 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/26/00 | 61000 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/03/01 | 929 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/04/01 | 18000 | ND | ND | ND | ND | ND | ND | ND | -- |
| 07/17/01 | 20000 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/01/01 | 24000 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/31/02 | 11000 | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 3**
**ADDITIONAL ANALYTICAL RESULTS**
**76 Station 5043**

| Date Sampled | TPH-D | EDC | EDB | TAME 8260B | TBA 8260B | DIPE 8260B | ETBE 8260B | Ethanol 8260B | TOG |
|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) |
| **MW-6 continued** | | | | | | | | | |
| 04/18/02 | 3500 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/28/02 | 27000 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/09/02 | 170000 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/02/03 | 66000 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/03 | 35000 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/01/03 | 11000 | -- | -- | -- | -- | -- | -- | ND<25000 | -- |
| 10/02/03 | ND<50 | -- | -- | -- | -- | -- | -- | ND<200000 | -- |
| 01/09/04 | 20000 | -- | -- | -- | -- | -- | -- | ND<50000 | -- |
| 04/26/04 | 13000 | -- | -- | -- | -- | -- | -- | ND<5000 | -- |
| 07/22/04 | 33000 | -- | -- | -- | -- | -- | -- | ND<300000 | -- |
| 10/29/04 | 78000 | -- | -- | -- | -- | -- | -- | ND<5000 | -- |
| 01/10/05 | 12000 | -- | -- | -- | -- | -- | -- | ND<5000 | -- |
| **MW-7** | | | | | | | | | |
| 06/01/97 | 69 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/15/97 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/09/97 | 190 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/14/98 | 65 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/98 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/15/98 | 74 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/16/98 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/25/99 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/15/99 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/14/99 | 69 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/21/99 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/20/00 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/13/00 | ND | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 3**
**ADDITIONAL ANALYTICAL RESULTS**
**76 Station 5043**

| Date Sampled | TPH-D | EDC | EDB | TAME 8260B | TBA 8260B | DIPE 8260B | ETBE 8260B | Ethanol 8260B | TOG |
|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) |
| **MW-7 continued** | | | | | | | | | |
| 07/14/00 | 68.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/17/01 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/01/01 | ND<51 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/31/02 | 90 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/18/02 | 78 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/28/02 | ND<50 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/09/02 | ND<96 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/03/03 | 78 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/03 | 67 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/01/03 | 68 | -- | -- | -- | -- | -- | -- | ND<500 | -- |
| 10/02/03 | 82 | -- | -- | -- | -- | -- | -- | ND<500 | -- |
| 01/09/04 | 75 | -- | -- | -- | -- | -- | -- | ND<500 | -- |
| 04/26/04 | ND<50 | -- | -- | -- | -- | -- | -- | ND<50 | -- |
| 07/22/04 | ND<200 | -- | -- | -- | -- | -- | -- | ND<1000 | -- |
| 10/29/04 | 54 | -- | -- | -- | -- | -- | -- | ND<50 | -- |
| 01/10/05 | ND<50 | -- | -- | -- | -- | -- | -- | ND<50 | -- |
| **MW-8** | | | | | | | | | |
| 06/01/97 | 320 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/15/97 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/09/97 | 390 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/14/98 | 230 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/98 | 510 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/15/98 | 140 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/16/98 | 170 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/25/99 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/15/99 | 91 | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 3**
**ADDITIONAL ANALYTICAL RESULTS**
**76 Station 5043**

| Date Sampled | TPH-D | EDC | EDB | TAME 8260B | TBA 8260B | DIPE 8260B | ETBE 8260B | Ethanol 8260B | TOG |
|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) |
| **MW-8 continued** | | | | | | | | | |
| 07/14/99 | 120 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/21/99 | 110 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/20/00 | 583 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/13/00 | 80 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/14/00 | 113 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/17/01 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/01/01 | ND<50 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/31/02 | 260 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/18/02 | 160 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/28/02 | 140 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/09/02 | 120 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/02/03 | 210 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/03 | 220 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/01/03 | 170 | -- | -- | -- | -- | -- | -- | ND<500 | -- |
| 10/02/03 | 350 | -- | -- | -- | -- | -- | -- | ND<500 | -- |
| 01/09/04 | 180 | -- | -- | -- | -- | -- | -- | ND<500 | -- |
| 04/26/04 | 100 | -- | -- | -- | -- | -- | -- | ND<50 | -- |
| 07/22/04 | 250 | -- | -- | -- | -- | -- | -- | ND<1000 | -- |
| 10/29/04 | 120 | -- | -- | -- | -- | -- | -- | ND<50 | -- |
| 01/10/05 | 140 | -- | -- | -- | -- | -- | -- | ND<50 | -- |
| **MW-9** | | | | | | | | | |
| 02/21/95 | 71 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/18/95 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/17/95 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/26/96 | 98 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/28/96 | 99 | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 3**
**ADDITIONAL ANALYTICAL RESULTS**
**76 Station 5043**

| Date Sampled | TPH-D | EDC | EDB | TAME 8260B | TBA 8260B | DIPE 8260B | ETBE 8260B | Ethanol 8260B | TOG |
|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) |
| MW-9 | continued | | | | | | | | |
| 01/29/97 | 54 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/15/97 | 94 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/15/97 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/09/97 | 160 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/14/98 | 110 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/98 | 110 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/15/98 | 200 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/16/98 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/25/99 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/15/99 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/14/99 | 140 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/21/99 | 210 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/20/00 | 519 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/13/00 | 81 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/14/00 | 107 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/26/00 | 240 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/03/01 | 164 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/04/01 | 240 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/17/01 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/01/01 | ND<52 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/31/02 | 200 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/18/02 | ND<50 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/28/02 | ND<50 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/09/02 | 100 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/02/03 | ND<50 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/03 | 56 | -- | -- | -- | -- | -- | -- | -- | -- |

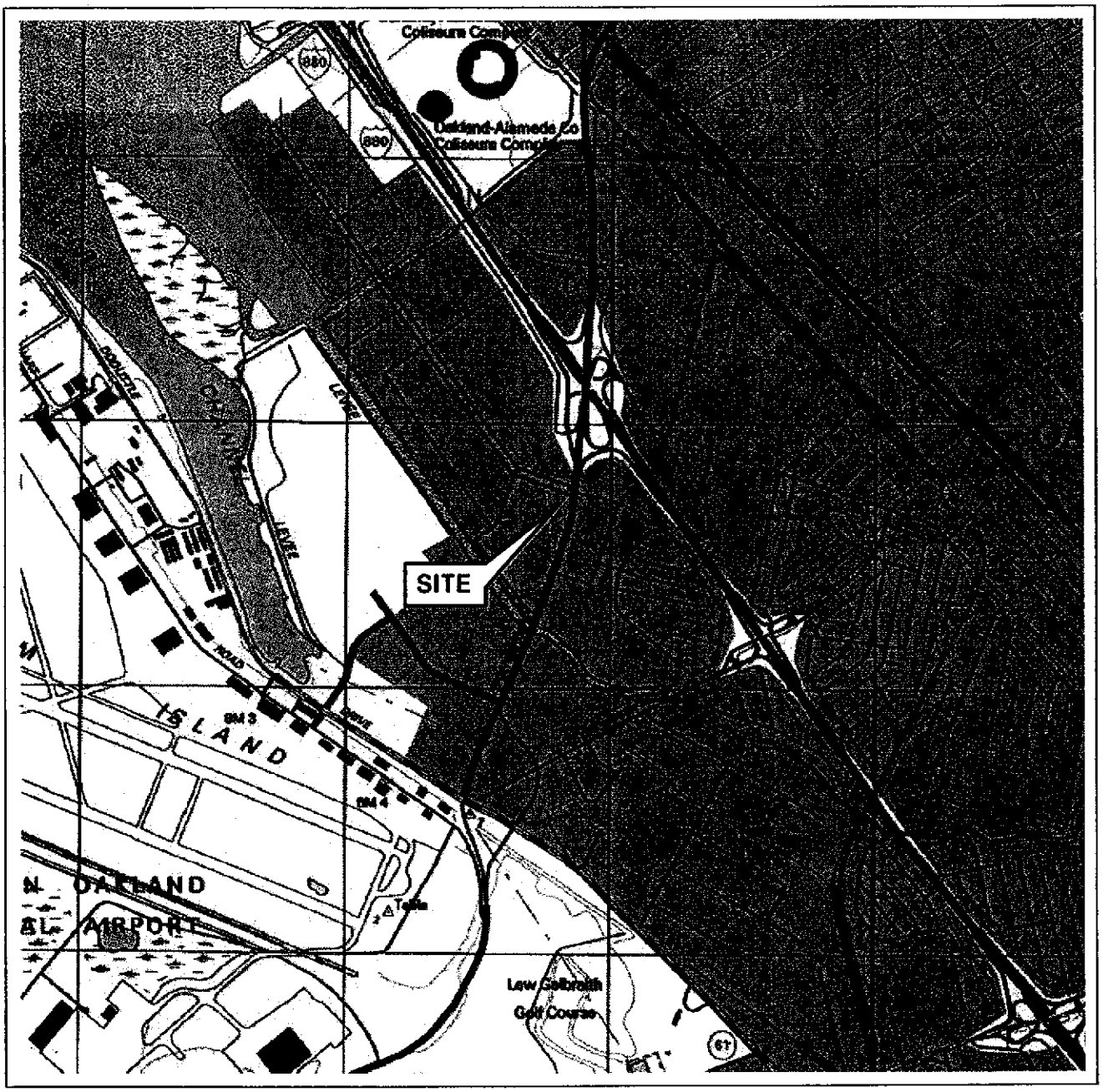
**Table 3**
**ADDITIONAL ANALYTICAL RESULTS**
**76 Station 5043**

| Date Sampled | TPH-D | EDC | EDB | TAME 8260B | TBA 8260B | DIPE 8260B | ETBE 8260B | Ethanol 8260B | TOG |
|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) |
| **MW-9 continued** | | | | | | | | | |
| 07/01/03 | ND<50 | -- | -- | -- | -- | -- | -- | ND<500 | -- |
| 10/02/03 | ND<50 | -- | -- | -- | -- | -- | -- | ND<500 | -- |
| 01/09/04 | 91 | -- | -- | -- | -- | -- | -- | ND<500 | -- |
| 04/26/04 | ND<50 | -- | -- | -- | -- | -- | -- | ND<50 | -- |
| 07/22/04 | ND<200 | -- | -- | -- | -- | -- | -- | ND<1000 | -- |
| 10/29/04 | 76 | -- | -- | -- | -- | -- | -- | ND<50 | -- |
| 01/10/05 | 77 | -- | -- | -- | -- | -- | -- | ND<50 | -- |
| **MW-10** | | | | | | | | | |
| 02/21/95 | 270 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/18/95 | 75 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/17/95 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/26/96 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/28/96 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/29/97 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/15/97 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/15/97 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/09/97 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/98 | 62 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/15/98 | 78 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/16/98 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/25/99 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/15/99 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/14/99 | 180 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/21/99 | 96 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/20/00 | 252 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/13/00 | 69 | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 3**
**ADDITIONAL ANALYTICAL RESULTS**
**76 Station 5043**

| Date Sampled | TPH-D | EDC | EDB | TAME 8260B | TBA 8260B | DIPE 8260B | ETBE 8260B | Ethanol 8260B | TOG |
|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) |
| **MW-10** | **continued** | | | | | | | | |
| 07/14/00 | 149 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/26/00 | 83 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/03/01 | 126 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/04/01 | 75 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/17/01 | ND | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/01/01 | 100 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/31/02 | 170 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/18/02 | 130 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/28/02 | 58 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/09/02 | ND<94 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/02/03 | 64 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/03 | 76 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/01/03 | 87 | -- | -- | -- | -- | -- | -- | ND<500 | -- |
| 10/02/03 | 160 | -- | -- | -- | -- | -- | -- | ND<500 | -- |
| 01/09/04 | 74 | -- | -- | -- | -- | -- | -- | ND<500 | -- |
| 04/26/04 | ND<50 | -- | -- | -- | -- | -- | -- | ND<50 | -- |
| 07/22/04 | ND<200 | -- | -- | -- | -- | -- | -- | ND<1000 | -- |
| 10/29/04 | ND<50 | -- | -- | -- | -- | -- | -- | ND<50 | -- |
| 01/10/05 | 94 | -- | -- | -- | -- | -- | -- | ND<50 | -- |

# FIGURES




0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000

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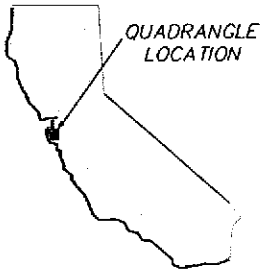



SOURCE:

United States Geological Survey
7.5 Minute Topographic Maps:
San Leandro Quadrangle

**VICINITY MAP**

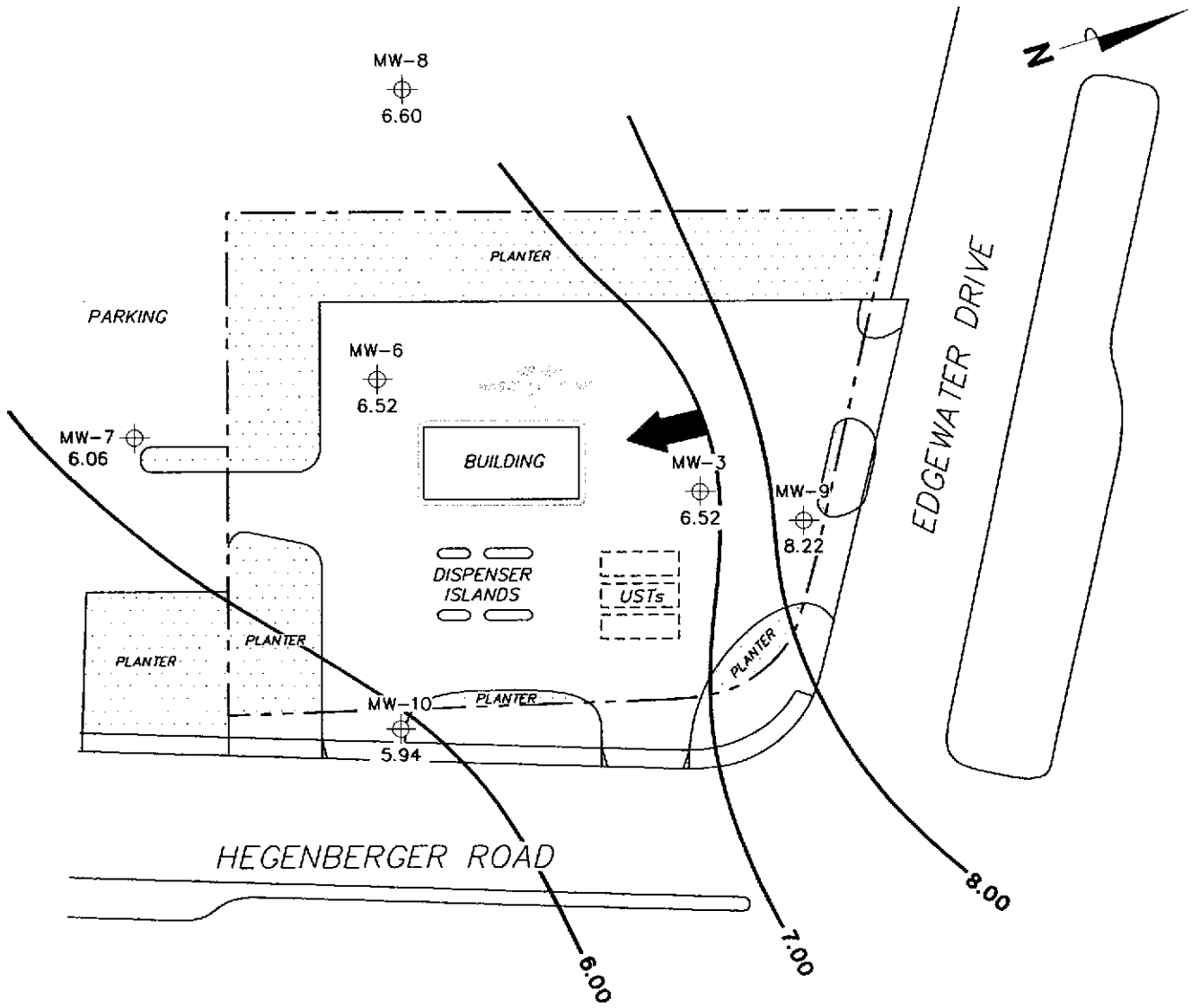
76 Station 5043
449 Hegenberger Road
Oakland, California

TRC

# FIGURE 1

PS = 1:1

Graphics on Ir1(i:)\VICINITY MAPS\5043vm.dwg 11/17/03 blw




NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank.

LEGEND

MW-10 ⊕ Monitoring Well with Groundwater Elevation (feet)

**8.00** —— Groundwater Elevation Contour

General Direction of Groundwater Flow

**GROUNDWATER ELEVATION CONTOUR MAP**
**January 10, 2005**

76 Station 5043
449 Hegenberger Road
Oakland, California

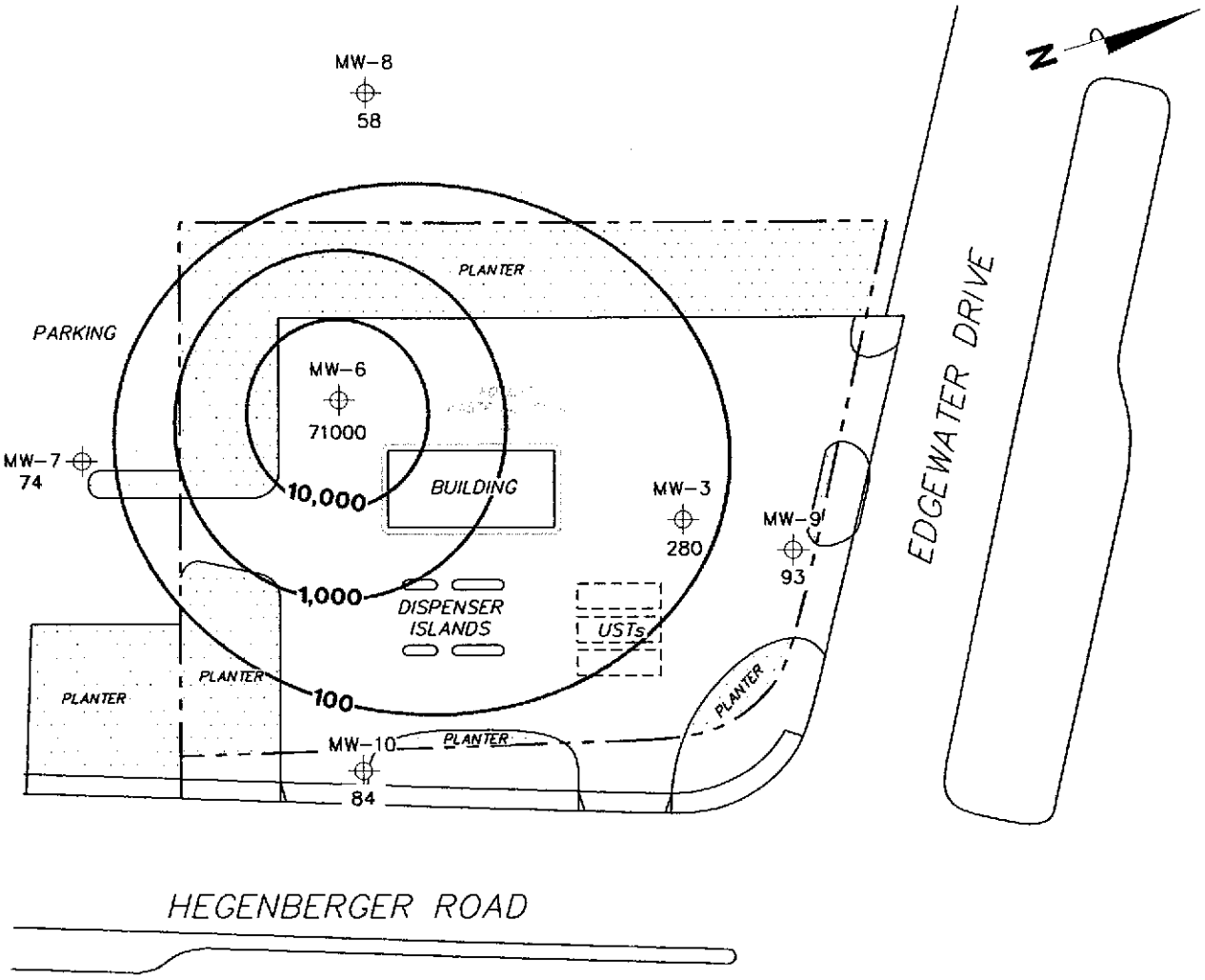
SCALE (FEET)
0 60

# FIGURE 2

TRC

PS=1:1 5043-003

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-5000\5043+\5043qms.dwg 2/9/05 rbs




NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPPH = total purgeable petroleum hydrocarbons. µg/l = micrograms per liter. UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)

—10,000— Dissolved-Phase TPPH Contour (µg/l)

**DISSOLVED-PHASE TPPH CONCENTRATION MAP**
**January 10, 2005**

76 Station 5043
449 Hegenberger Road
Oakland, California

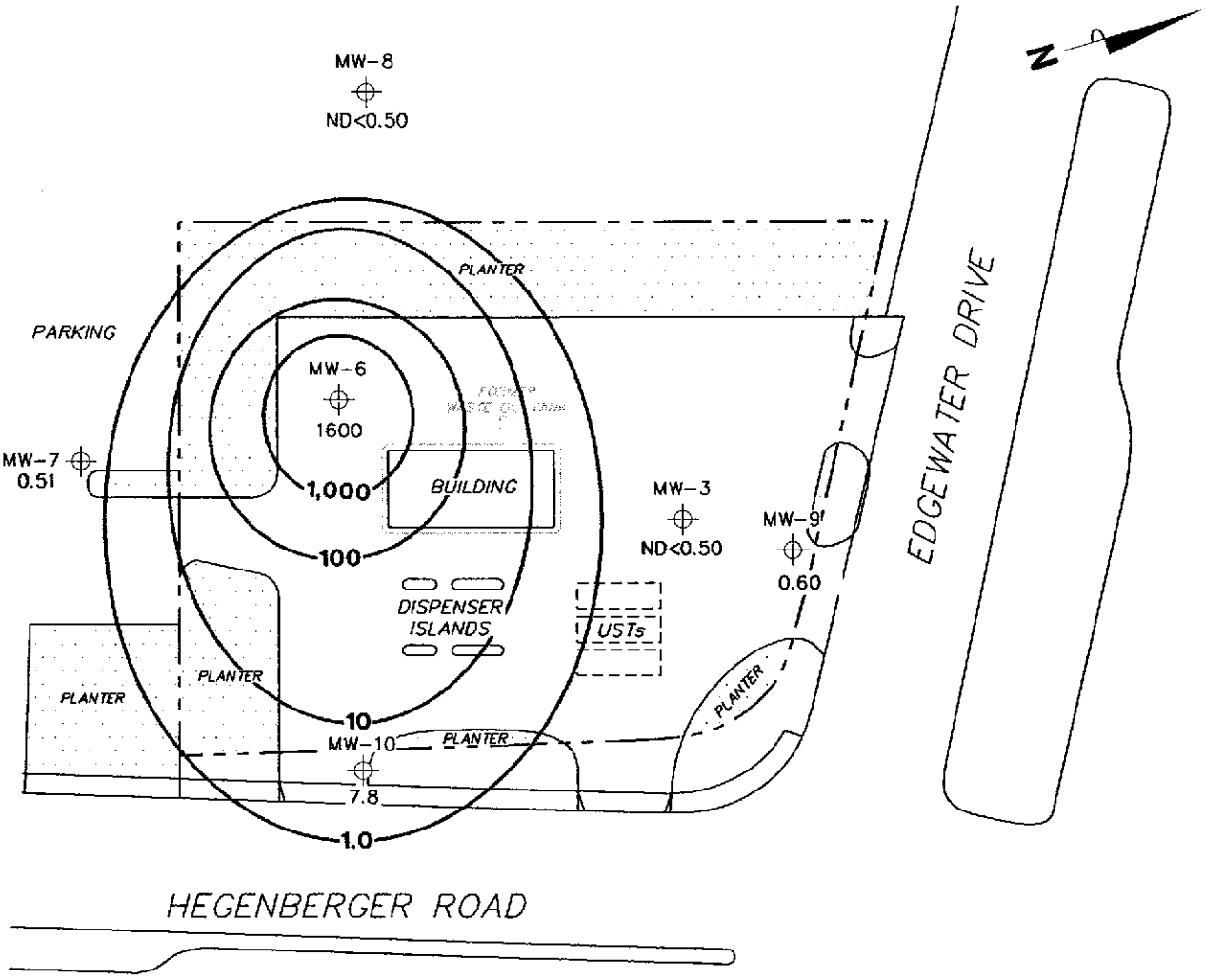
TRC

SCALE (FEET)
0 60

**FIGURE 3**

PS=1:1 5043-003

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-5000\5043+\5043qms.dwg 2/9/05 rbs




NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank.

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

1,000 Dissolved-Phase Benzene Contour (µg/l)

**DISSOLVED-PHASE BENZENE CONCENTRATION MAP**
**January 10, 2005**

76 Station 5043
449 Hegenberger Road
Oakland, California

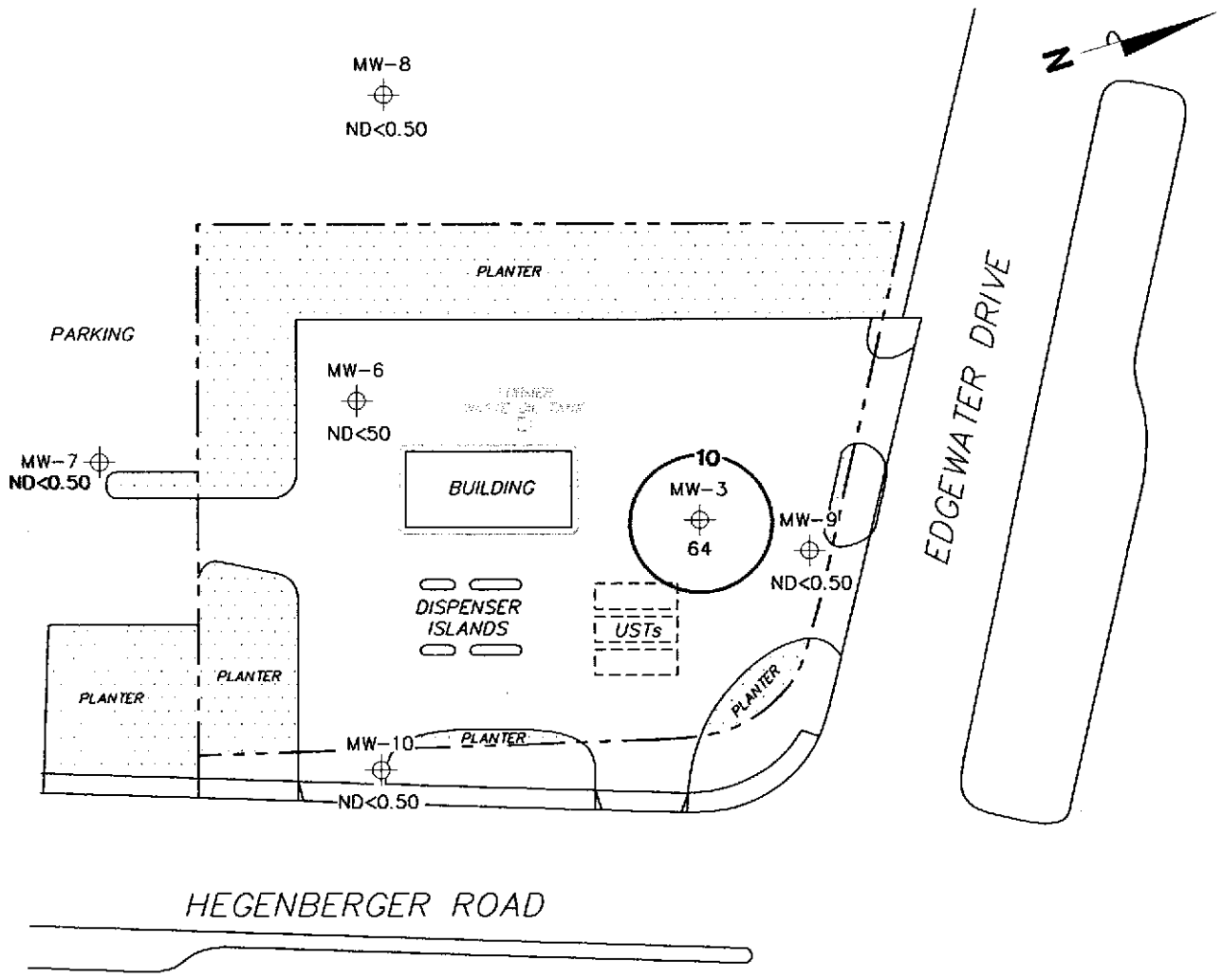
TRC

SCALE (FEET)
0 60

**FIGURE 4**

PS=1:1 5043-003

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-5000\5043+\5043qms.dwg 2/9/05 rbs




NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

10 Dissolved-Phase MTBE Contour (µg/l)

**DISSOLVED-PHASE MTBE CONCENTRATION MAP**
**January 10, 2005**

76 Station 5043
449 Hegenberger Road
Oakland, California

TRC

SCALE (FEET)
0 60

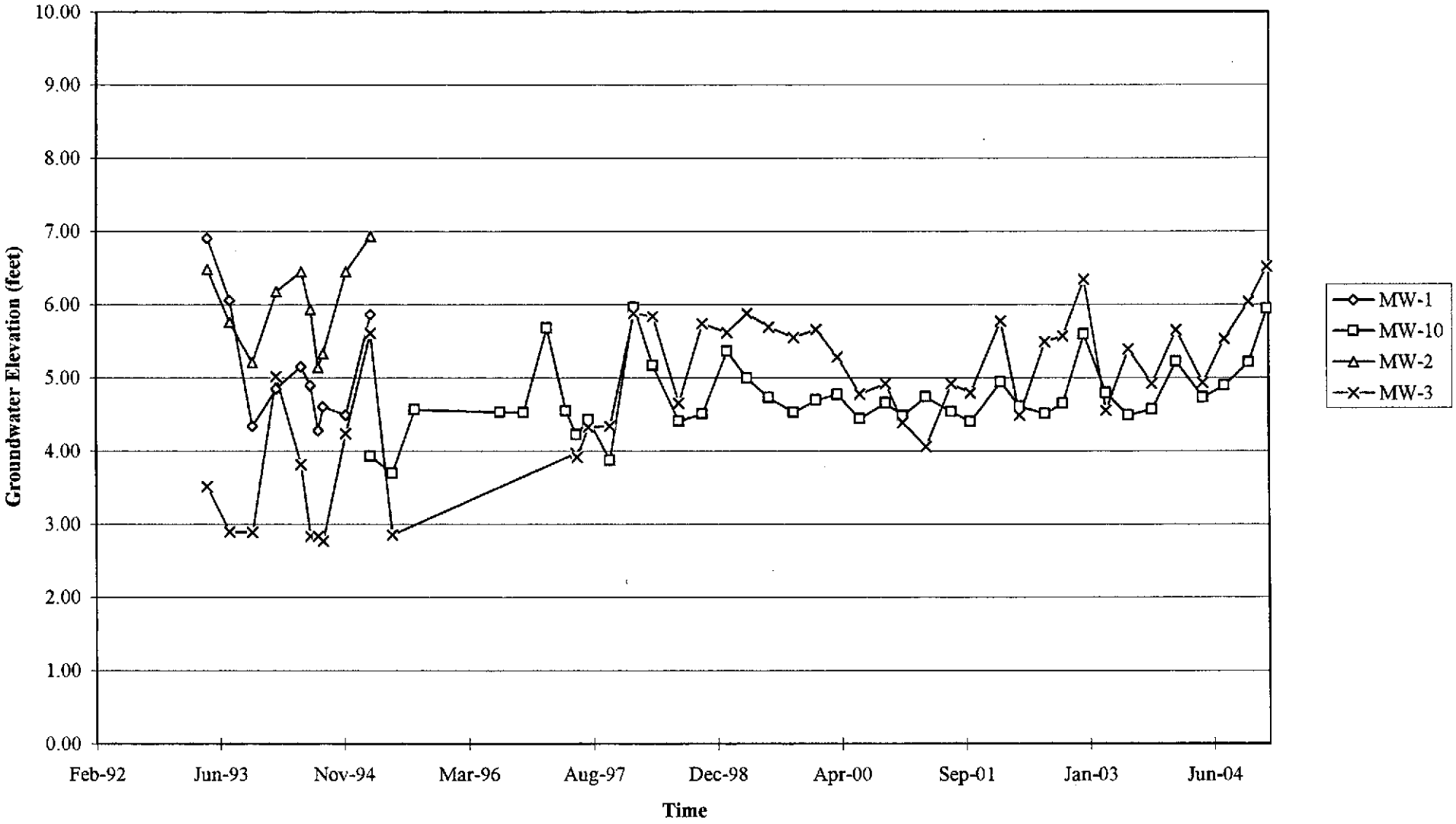
**FIGURE 5**

PS=1:1 5043-003

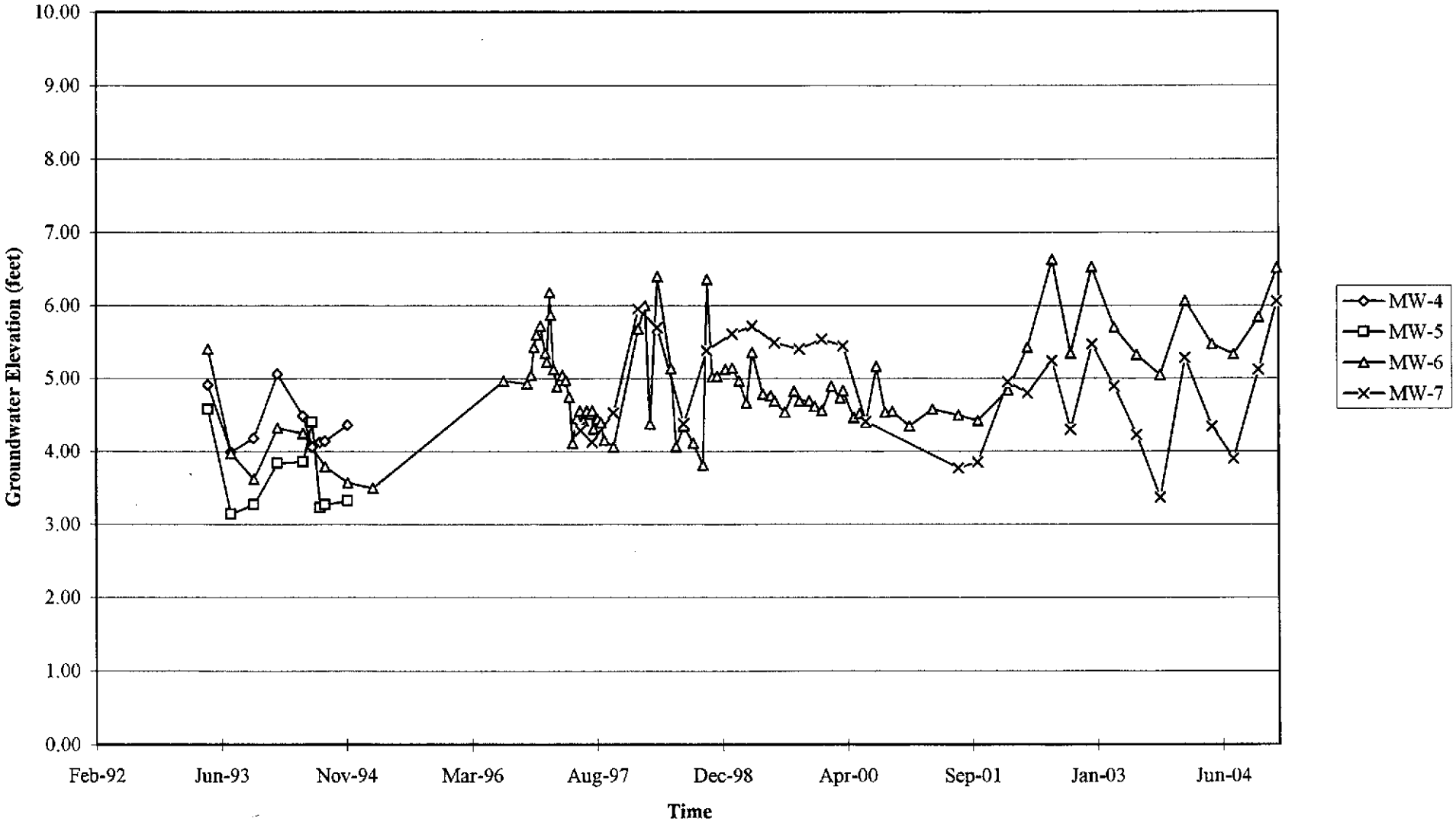
Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-5000\5043+\5043qrns.dwg 2/9/05 rbs

# GRAPHS

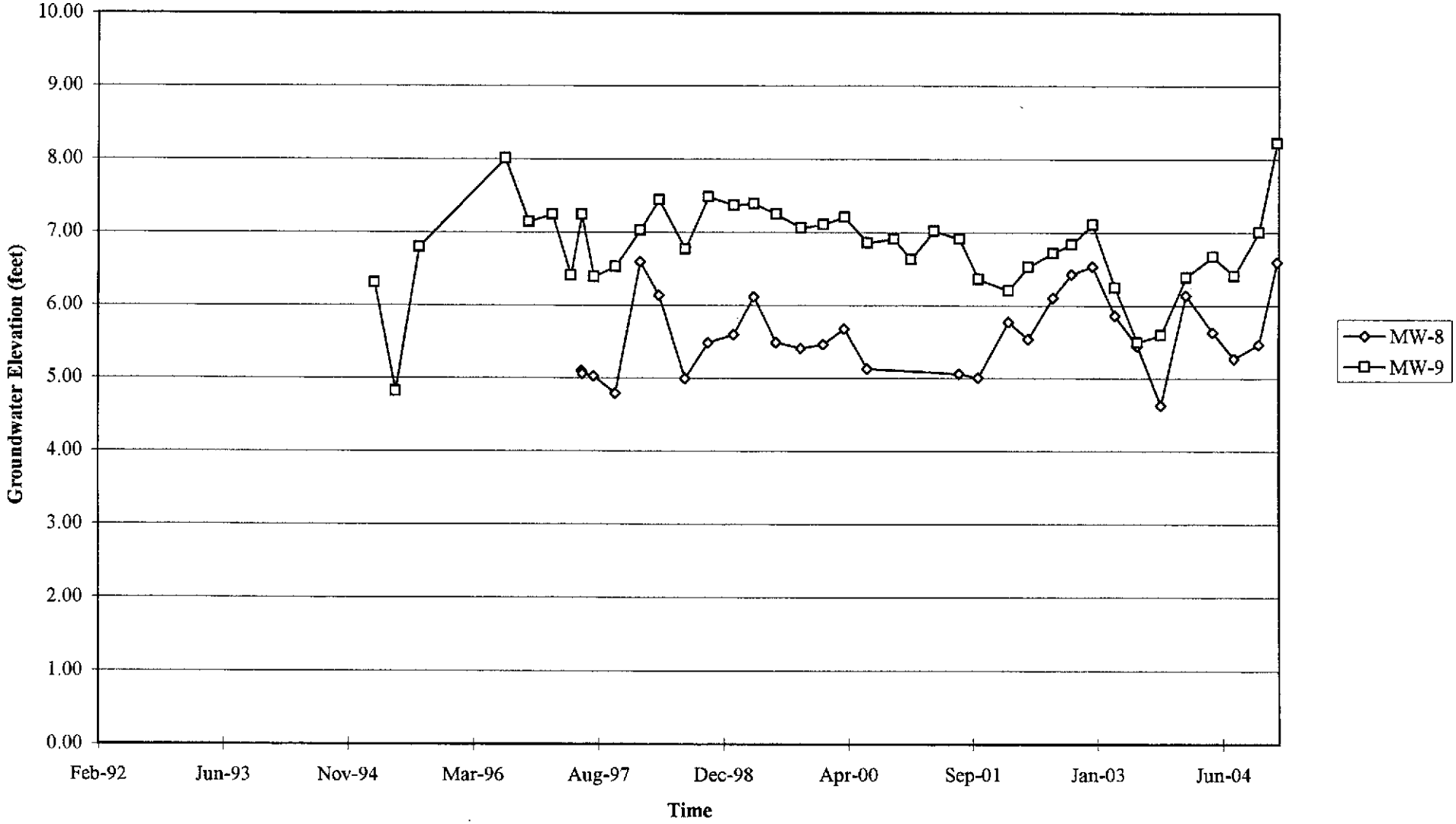
Groundwater Elevations vs. Time
76 Station 5043



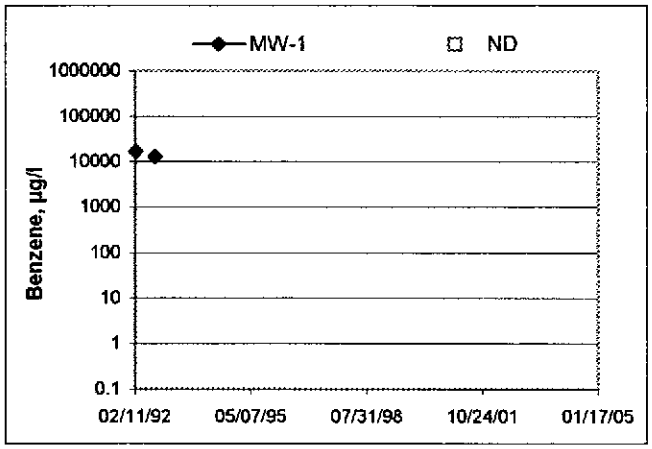
Groundwater Elevations vs. Time
76 Station 5043

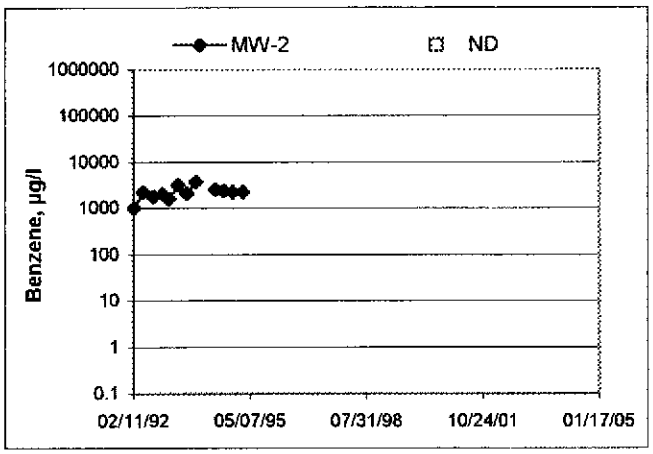


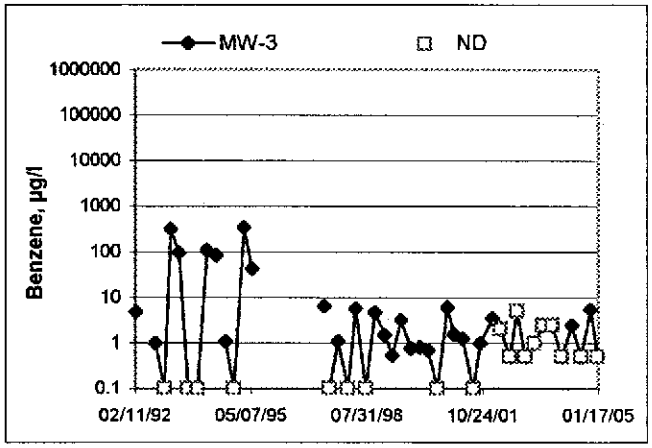
Groundwater Elevations vs. Time
76 Station 5043

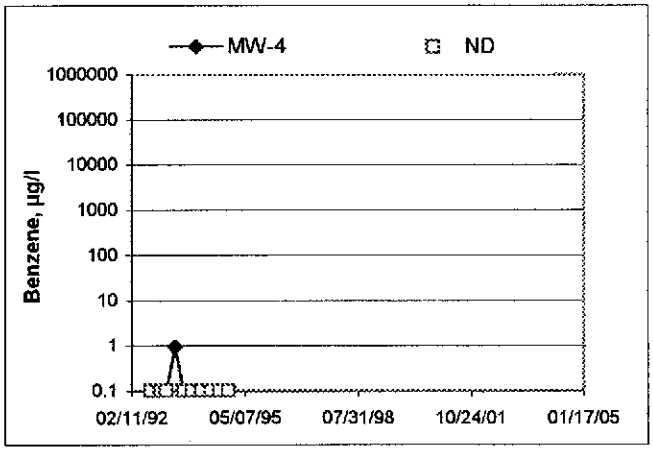


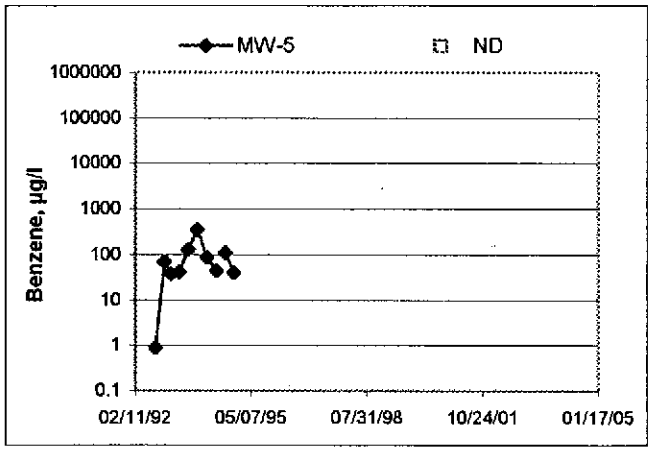
**Benzene Concentrations vs Time**
76 Station 5043

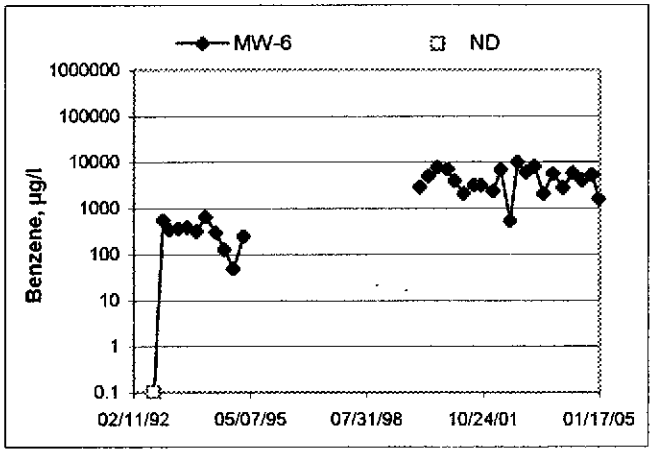


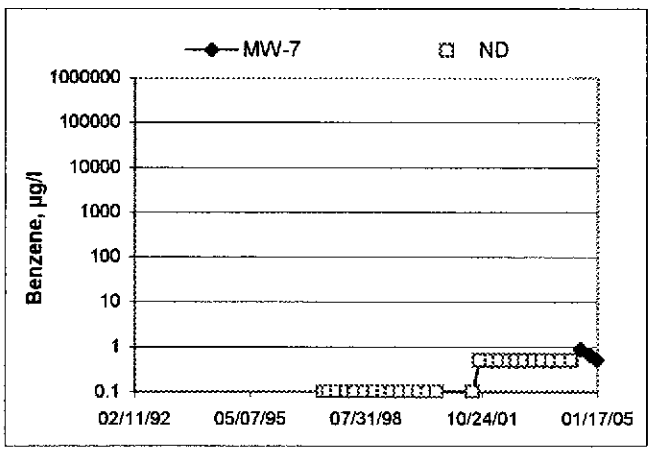



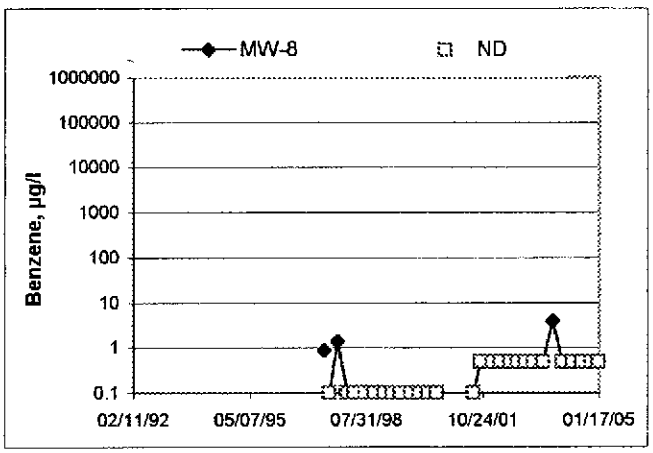



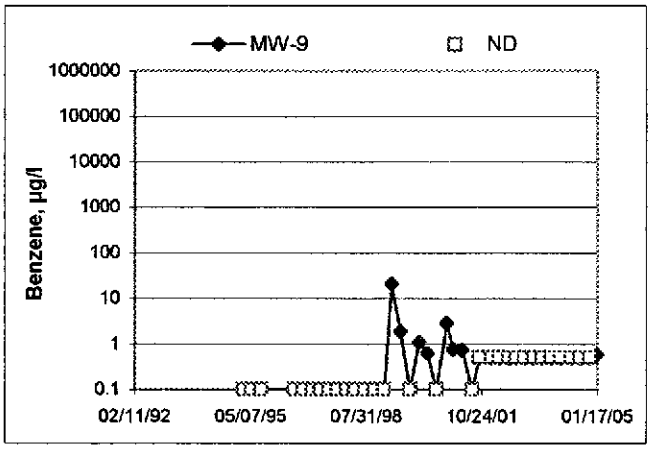



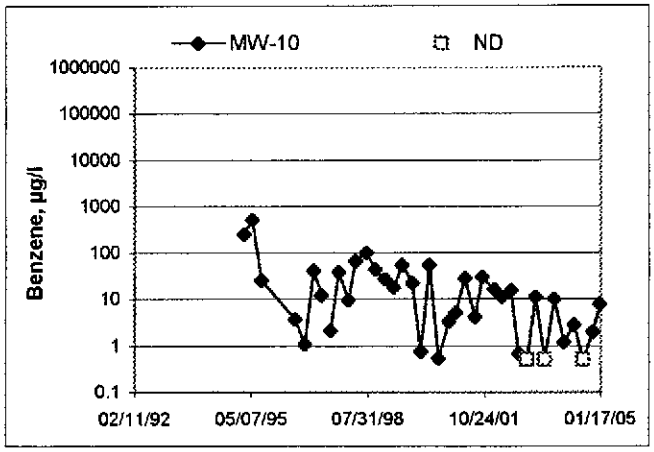



**Benzene Concentrations vs Time**

76 Station 5043



# GENERAL FIELD PROCEDURES

**Groundwater Monitoring and Sampling Assignments**

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

**Fluid Level Measurements**

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage, or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

**Purging and Groundwater Parameter Measurement**

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

**Groundwater Sample Collection**

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

**Sequence of Gauging, Purging, and Sampling**

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least-affected well and ending with the well that has highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected well to the most-affected well.

**Decontamination**

In order to reduce the possibility of cross-contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

**Exceptions**

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

# FIELD MONITORING DATA SHEET

Technician: Travis V. Job #/Task #: 41050001/FA20 Date: 1-10-05

Site # 5043 Project Manager A. Collins Page 1 of 1

| Well # | TOC | Time Gauged | Total Depth | Depth to Water | Depth to Product | Product Thickness (feet) | Time Sampled | Misc. Well Notes |
|---|---|---|---|---|---|---|---|---|
| MW-9 | X | 1024 | 1254 | .07 | — | — | 1329 | 2" |
| MW-8 | X | 1032 | 14.78 | 1.92 | — | — | 1308 | 2" |
| MW-10 | X | 1038 | 12.47 | 2.68 | — | — | 1242 | 2" |
| MW-7 | X | 1044 | 12.80 | 2.77 | — | — | 1249 | 2" |
| MW-3 | X | 1049 | 13.96 | 1.52 | — | — | 1321 | 2" |
| MW-6 | X | 1054 | 12.66 | 2.35 | — | — | 1331 | 2" |

| | | | |
|---|---|---|---|
| FIELD DATA COMPLETE ✓ | QA/QC ✓ | COC ✓ | WELL BOX CONDITION SHEETS ✓ |
| WTT CERTIFICATE | MANIFEST | DRUM INVENTORY ✓ | TRAFFIC CONTROL |



TRC

# GROUNDWATER SAMPLING FIELD NOTES

Technician: Travis V.

Site: 5043 Project No.: 41050001/FA20 Date: 1-10-05

**Well No.:** MW-10
Purge Method: Dia
Depth to Water (feet): 2.68
Depth to Product (feet): 0
Total Depth (feet): 12.47
LPH & Water Recovered (gallons): 0
Water Column (feet): 9.79
Casing Diameter (Inches): 2"
80% Recharge Depth (feet): 4.63
1 Well Volume (gallons): 2

| Time Start | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F, C) | pH | Turbidity | D.O. |
|---|---|---|---|---|---|---|---|---|
| 12:17 | | | 2 | 4.82ms | 16.2 | 7.09 | | |
| | | | 4 | 1810us | 18.6 | 7.13 | | |
| | 12:22 | | 6 | 1532 | 19.7 | 6.98 | | |
| | | | | | | | | |
| | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Time Sampled |
|---|---|---|
| 2.59 | 6 | 12:27 |

**Comments:**

**Well No.:** MW-7
Purge Method: Dia
Depth to Water (feet): 2.77
Depth to Product (feet): 0
Total Depth (feet): 12.80
LPH & Water Recovered (gallons): 0
Water Column (feet): 10.03
Casing Diameter (Inches): 2"
80% Recharge Depth (feet): 4.77
1 Well Volume (gallons): 2

| Time Start | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F, C) | pH | Turbidity | D.O. |
|---|---|---|---|---|---|---|---|---|
| 1205 | | | 2 | 4.82ms | 19.7 | 6.19 | | |
| | | | 4 | 3.33ms | 17.9 | 6.19 | | |
| | 1210 | | 6 | 4.66ms | 19.8 | 6.21 | | |
| | | | | | | | | |
| | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Time Sampled |
|---|---|---|
| 2.76 | 6 | 12:49 |

**Comments:**

## GROUNDWATER SAMPLING FIELD NOTES

Technician: Travis V.

Site: 5043 Project No.: 41050001/FA20 Date: 1-10-05

**Well No.:** MW-3 Purge Method: Dia

Depth to Water (feet): 1.52 Depth to Product (feet): 0

Total Depth (feet): 13.96 LPH & Water Recovered (gallons): 0

Water Column (feet): 12.44 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 4.00 1 Well Volume (gallons): 2

| Time Start | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F, C) | pH | Turbidity | D.O. |
|---|---|---|---|---|---|---|---|---|
| 1116 | | | 2 | 1089 | 17.4 | 6.45 | | |
| | | | 4 | 1184 | 16.9 | 6.49 | | |
| | 1121 | | 6 | 1230 | 18.2 | 6.52 | | |
| | | | | | | | | |
| | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Time Sampled |
|---|---|---|
| 4.88 | 6 | 1321 |

Comments:

**Well No.:** MW-6 Purge Method: Dia

Depth to Water (feet): 2.35 Depth to Product (feet): 0

Total Depth (feet): 12.66 LPH & Water Recovered (gallons): 0

Water Column (feet): 10.31 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 4.41 1 Well Volume (gallons): 2

| Time Start | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F, C) | pH | Turbidity | D.O. |
|---|---|---|---|---|---|---|---|---|
| 1127 | | | 2 | 1306 | 15.6 | 7.09 | | |
| | | | 4 | 1301 ~~6475~~ | 17.8 | 7.01 | | |
| | | | 6 | 1316 | 19.1 | 6.93 | | |
| | 1135 | | | | | | | |
| | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Time Sampled |
|---|---|---|
| 2.81 | 6 | 1331 |

Comments:

## GROUNDWATER SAMPLING FIELD NOTES

Technician: ~~41050001/FA20~~ TV Travis

Site: 5043 Project No.: 41050001 Date: 1-10-04

Well No.: MW-9 Purge Method: Dia

Depth to Water (feet): .07 Depth to Product (feet): Ø

Total Depth (feet): 12.54 LPH & Water Recovered (gallons): Ø

Water Column (feet): 12.47 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 2.56 1 Well Volume (gallons): 2

| Time Start | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F, C) | pH | Turbidity | D.O. |
|---|---|---|---|---|---|---|---|---|
| 1137 | | | 2 | 969 | 17.3 | 7.10 | | |
| | | | 4 | 1760 | 18.2 | 6.78 | | |
| | 1146 | | 6 | 1451 | 20.9 | 6.58 | | |
| | | | | | | | | |
| | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Time Sampled |
|---|---|---|
| 1.56 | 6 | 13:29 |

Comments:

Well No.: ~~5043~~ TV MW-8 Purge Method: Dia

Depth to Water (feet): 1.92 Depth to Product (feet): Ø

Total Depth (feet): 14.78 LPH & Water Recovered (gallons): Ø

Water Column (feet): 12.86 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 4.49 1 Well Volume (gallons): 2

| Time Start | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F, C) | pH | Turbidity | D.O. |
|---|---|---|---|---|---|---|---|---|
| 1152 | | | 2 | 5.45 | 16.6 | 6.66 | | |
| | | | 4 | 642 | 18.0 | 6.65 | | |
| | 1156 | | 6 | 492 | 17.2 | 6.62 | | |
| | | | | | | | | |
| | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Time Sampled |
|---|---|---|
| 2.37 | 6 | 1308 |

Comments:

SEVERN TRENT STL

**Submission#: 2005-01-0283**

**TRC Alton Geoscience- Irvine**

January 26, 2005

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001/FA20
Project: Conoco Phillips #5043
Site: 449 Hegenberger Rd., Oakland

Attached is our report for your samples received on 01/11/2005 17:17
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 02/25/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

**Submission: 2005-01-0283**

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

**Samples Reported**

| Sample Name | Date Sampled | Matrix | Lab # |
|---|---|---|---|
| MW-9 | 01/10/2005 13:29 | Water | 1 |
| MW-8 | 01/10/2005 13:08 | Water | 2 |
| MW-7 | 01/10/2005 12:49 | Water | 3 |
| MW-10 | 01/10/2005 12:42 | Water | 4 |
| MW-3 | 01/10/2005 13:21 | Water | 5 |
| MW-6 | 01/10/2005 13:31 | Water | 6 |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

| | | | |
|---|---|---|---|
| Prep(s): | 5030B | Test(s): | 8260B |
| Sample ID: | **MW-9** | Lab ID: | 2005-01-0283 - 1 |
| Sampled: | 01/10/2005 13:29 | Extracted: | 1/15/2005 10:42 |
| Matrix: | Water | QC Batch#: | 2005/01/15-1A.64 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| GRO (C6-C12) | 93 | 50 | ug/L | 1.00 | 01/15/2005 10:42 | |
| Benzene | 0.60 | 0.50 | ug/L | 1.00 | 01/15/2005 10:42 | |
| Toluene | 2.3 | 0.50 | ug/L | 1.00 | 01/15/2005 10:42 | |
| Ethylbenzene | 2.4 | 0.50 | ug/L | 1.00 | 01/15/2005 10:42 | |
| Total xylenes | 9.0 | 1.0 | ug/L | 1.00 | 01/15/2005 10:42 | |
| Methyl tert-butyl ether (MTBE) | ND | 0.50 | ug/L | 1.00 | 01/15/2005 10:42 | |
| Ethanol | ND | 50 | ug/L | 1.00 | 01/15/2005 10:42 | |
| ***Surrogate(s)*** | | | | | | |
| 1,2-Dichloroethane-d4 | 99.0 | 73-130 | % | 1.00 | 01/15/2005 10:42 | |
| Toluene-d8 | 87.3 | 81-114 | % | 1.00 | 01/15/2005 10:42 | |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

Prep(s): 5030B
Sample ID: **MW-8**
Sampled: 01/10/2005 13:08
Matrix: Water

Test(s): 8260B
Lab ID: 2005-01-0283 - 2
Extracted: 1/15/2005 12:09
QC Batch#: 2005/01/15-1A.64

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| GRO (C6-C12) | 58 | 50 | ug/L | 1.00 | 01/15/2005 12:09 | |
| Benzene | ND | 0.50 | ug/L | 1.00 | 01/15/2005 12:09 | |
| Toluene | 0.61 | 0.50 | ug/L | 1.00 | 01/15/2005 12:09 | |
| Ethylbenzene | 1.2 | 0.50 | ug/L | 1.00 | 01/15/2005 12:09 | |
| Total xylenes | 4.0 | 1.0 | ug/L | 1.00 | 01/15/2005 12:09 | |
| Methyl tert-butyl ether (MTBE) | ND | 0.50 | ug/L | 1.00 | 01/15/2005 12:09 | |
| Ethanol | ND | 50 | ug/L | 1.00 | 01/15/2005 12:09 | |
| ***Surrogate(s)*** | | | | | | |
| 1,2-Dichloroethane-d4 | 103.1 | 73-130 | % | 1.00 | 01/15/2005 12:09 | |
| Toluene-d8 | 99.0 | 81-114 | % | 1.00 | 01/15/2005 12:09 | |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

| | | | |
|---|---|---|---|
| Prep(s): | 5030B | Test(s): | 8260B |
| Sample ID: | **MW-7** | Lab ID: | 2005-01-0283 - 3 |
| Sampled: | 01/10/2005 12:49 | Extracted: | 1/15/2005 13:14 |
| Matrix: | Water | QC Batch#: | 2005/01/15-1A.64 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| GRO (C6-C12) | 74 | 50 | ug/L | 1.00 | 01/15/2005 13:14 | |
| Benzene | 0.51 | 0.50 | ug/L | 1.00 | 01/15/2005 13:14 | |
| Toluene | 2.2 | 0.50 | ug/L | 1.00 | 01/15/2005 13:14 | |
| Ethylbenzene | 1.7 | 0.50 | ug/L | 1.00 | 01/15/2005 13:14 | |
| Total xylenes | 7.0 | 1.0 | ug/L | 1.00 | 01/15/2005 13:14 | |
| Methyl tert-butyl ether (MTBE) | ND | 0.50 | ug/L | 1.00 | 01/15/2005 13:14 | |
| Ethanol | ND | 50 | ug/L | 1.00 | 01/15/2005 13:14 | |
| ***Surrogate(s)*** | | | | | | |
| 1,2-Dichloroethane-d4 | 107.7 | 73-130 | % | 1.00 | 01/15/2005 13:14 | |
| Toluene-d8 | 104.7 | 81-114 | % | 1.00 | 01/15/2005 13:14 | |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

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Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

Prep(s): 5030B
Sample ID: **MW-10**
Sampled: 01/10/2005 12:42
Matrix: Water

Test(s): 8260B
Lab ID: 2005-01-0283 - 4
Extracted: 1/15/2005 13:36
QC Batch#: 2005/01/15-1A.64

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| GRO (C6-C12) | 84 | 50 | ug/L | 1.00 | 01/15/2005 13:36 | |
| Benzene | 7.8 | 0.50 | ug/L | 1.00 | 01/15/2005 13:36 | |
| Toluene | 2.7 | 0.50 | ug/L | 1.00 | 01/15/2005 13:36 | |
| Ethylbenzene | 2.2 | 0.50 | ug/L | 1.00 | 01/15/2005 13:36 | |
| Total xylenes | 8.9 | 1.0 | ug/L | 1.00 | 01/15/2005 13:36 | |
| Methyl tert-butyl ether (MTBE) | ND | 0.50 | ug/L | 1.00 | 01/15/2005 13:36 | |
| Ethanol | ND | 50 | ug/L | 1.00 | 01/15/2005 13:36 | |
| ***Surrogate(s)*** | | | | | | |
| 1,2-Dichloroethane-d4 | 96.6 | 73-130 | % | 1.00 | 01/15/2005 13:36 | |
| Toluene-d8 | 93.9 | 81-114 | % | 1.00 | 01/15/2005 13:36 | |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

Prep(s): 5030B
Test(s): 8260B

Sample ID: **MW-3**
Lab ID: 2005-01-0283 - 5

Sampled: 01/10/2005 13:21
Extracted: 1/15/2005 14:19

Matrix: Water
QC Batch#: 2005/01/15-1A.64

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| GRO (C6-C12) | 280 | 50 | ug/L | 1.00 | 01/15/2005 14:19 | |
| Benzene | ND | 0.50 | ug/L | 1.00 | 01/15/2005 14:19 | |
| Toluene | 0.62 | 0.50 | ug/L | 1.00 | 01/15/2005 14:19 | |
| Ethylbenzene | ND | 0.50 | ug/L | 1.00 | 01/15/2005 14:19 | |
| Total xylenes | 2.4 | 1.0 | ug/L | 1.00 | 01/15/2005 14:19 | |
| Methyl tert-butyl ether (MTBE) | 64 | 0.50 | ug/L | 1.00 | 01/15/2005 14:19 | |
| Ethanol | ND | 50 | ug/L | 1.00 | 01/15/2005 14:19 | |
| ***Surrogate(s)*** | | | | | | |
| 1,2-Dichloroethane-d4 | 102.4 | 73-130 | % | 1.00 | 01/15/2005 14:19 | |
| Toluene-d8 | 94.7 | 81-114 | % | 1.00 | 01/15/2005 14:19 | |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

Prep(s): 5030B
Sample ID: **MW-6**
Sampled: 01/10/2005 13:31
Matrix: Water

Test(s): 8260B
Lab ID: 2005-01-0283 - 6
Extracted: 1/15/2005 14:41
QC Batch#: 2005/01/15-1A.64

Analysis Flag: L2 ( See Legend and Note Section )

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| GRO (C6-C12) | 71000 | 5000 | ug/L | 100.00 | 01/15/2005 14:41 | |
| Benzene | 1600 | 50 | ug/L | 100.00 | 01/15/2005 14:41 | |
| Toluene | 3700 | 50 | ug/L | 100.00 | 01/15/2005 14:41 | |
| Ethylbenzene | 2100 | 50 | ug/L | 100.00 | 01/15/2005 14:41 | |
| Total xylenes | 9900 | 100 | ug/L | 100.00 | 01/15/2005 14:41 | |
| Methyl tert-butyl ether (MTBE) | ND | 50 | ug/L | 100.00 | 01/15/2005 14:41 | |
| Ethanol | ND | 5000 | ug/L | 100.00 | 01/15/2005 14:41 | |
| ***Surrogate(s)*** | | | | | | |
| 1,2-Dichloroethane-d4 | 98.3 | 73-130 | % | 100.00 | 01/15/2005 14:41 | |
| Toluene-d8 | 103.7 | 81-114 | % | 100.00 | 01/15/2005 14:41 | |

# Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

## Batch QC Report

Prep(s): 5030B — Test(s): 8260B

**Method Blank** — **Water** — **QC Batch # 2005/01/15-1A.64**

MB: 2005/01/15-1A.64-010 — Date Extracted: 01/15/2005 10:10

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|---|---|---|---|---|---|
| GRO (C6-C12) | ND | 50 | ug/L | 01/15/2005 10:10 | |
| Benzene | ND | 0.5 | ug/L | 01/15/2005 10:10 | |
| Toluene | ND | 0.5 | ug/L | 01/15/2005 10:10 | |
| Ethylbenzene | ND | 0.5 | ug/L | 01/15/2005 10:10 | |
| Total xylenes | ND | 1.0 | ug/L | 01/15/2005 10:10 | |
| Methyl tert-butyl ether (MTBE) | ND | 0.5 | ug/L | 01/15/2005 10:10 | |
| Ethanol | ND | 50 | ug/L | 01/15/2005 10:10 | |
| ***Surrogates(s)*** | | | | | |
| 1,2-Dichloroethane-d4 | 93.8 | 73-130 | % | 01/15/2005 10:10 | |
| Toluene-d8 | 105.0 | 81-114 | % | 01/15/2005 10:10 | |

# Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

## Batch QC Report

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike** **Water** **QC Batch # 2005/01/15-1A.64**

LCS 2005/01/15-1A.64-048 Extracted: 01/15/2005 Analyzed: 01/15/2005 09:48
LCSD

| Compound | Conc. ug/L | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|---|---|---|---|---|---|---|---|---|---|---|
| | LCS | LCSD | | LCS | LCSD | % | Rec. | RPD | LCS | LCSD |
| Methyl tert-butyl ether (MTBE) | 26.7 | | 25 | 106.8 | | | 65-165 | 20 | | |
| Benzene | 26.3 | | 25 | 105.2 | | | 69-129 | 20 | | |
| Toluene | 29.7 | | 25 | 118.8 | | | 70-130 | 20 | | |
| ***Surrogates(s)*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 463 | | 500 | 92.6 | | | 73-130 | | | |
| Toluene-d8 | 505 | | 500 | 101.0 | | | 81-114 | | | |

# Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

## Batch QC Report

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )** **Water** **QC Batch # 2005/01/15-1A.64**

MW-9 >> MS

Lab ID: 2005-01-0283 - 001

MS: 2005/01/15-1A.64-003 Extracted: 01/15/2005

Analyzed: 01/15/2005 11:03

Dilution: 1.00

MSD: 2005/01/15-1A.64-025 Extracted: 01/15/2005

Analyzed: 01/15/2005 11:25

Dilution: 1.00

| Compound | Conc. ug/L | | | Spk.Level | Recovery % | | | Limits % | | Flags | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MS | MSD | Sample | ug/L | MS | MSD | RPD | Rec. | RPD | MS | MSD |
| Methyl tert-butyl ether | 24.5 | 23.9 | ND | 25 | 98.0 | 95.6 | 2.5 | 65-165 | 20 | | |
| Benzene | 20.5 | 23.7 | 0.602 | 25 | 79.6 | 92.4 | 14.9 | 69-129 | 20 | | |
| Toluene | 25.0 | 27.1 | 2.29 | 25 | 90.8 | 99.2 | 8.8 | 70-130 | 20 | | |
| ***Surrogate(s)*** | | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 484 | 469 | | 500 | 96.8 | 93.8 | | 73-130 | | | |
| Toluene-d8 | 510 | 523 | | 500 | 102.0 | 104.6 | | 81-114 | | | |

SEVERN TRENT STL

**Submission: 2005-01-0283**

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

### Legend and Notes

**Analysis Flag**

L2

Reporting limits were raised due to high level of analyte present in the sample.

SEVERN TRENT STL

**Submission: 2005-01-0283**

## Diesel

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

### Samples Reported

| Sample Name | Date Sampled | Matrix | Lab # |
|---|---|---|---|
| MW-9 | 01/10/2005 13:29 | Water | 1 |
| MW-8 | 01/10/2005 13:08 | Water | 2 |
| MW-7 | 01/10/2005 12:49 | Water | 3 |
| MW-10 | 01/10/2005 12:42 | Water | 4 |
| MW-3 | 01/10/2005 13:21 | Water | 5 |

## Diesel

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

Prep(s): 3510/8015M
Sample ID: **MW-9**
Sampled: 01/10/2005 13:29
Matrix: Water

Test(s): 8015M
Lab ID: 2005-01-0283 - 1
Extracted: 1/14/2005 17:54
QC Batch#: 2005/01/14-08.10

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| Diesel | 77 | 50 | ug/L | 1.00 | 01/17/2005 13:02 | Q2 |
| ***Surrogate(s)*** | | | | | | |
| o-Terphenyl | 83.0 | 60-130 | % | 1.00 | 01/17/2005 13:02 | |

## Diesel

TRC Alton Geoscience- Irvine
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Irvine, CA 92718
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Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

Prep(s): 3510/8015M
Sample ID: **MW-8**
Sampled: 01/10/2005 13:08
Matrix: Water

Test(s): 8015M
Lab ID: 2005-01-0283 - 2
Extracted: 1/14/2005 17:54
QC Batch#: 2005/01/14-08.10

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| Diesel | 140 | 50 | ug/L | 1.00 | 01/17/2005 13:29 | Q2 |
| ***Surrogate(s)*** | | | | | | |
| o-Terphenyl | 82.5 | 60-130 | % | 1.00 | 01/17/2005 13:29 | |

## Diesel

TRC Alton Geoscience- Irvine
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Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

Prep(s): 3510/8015M
Test(s): 8015M
Sample ID: **MW-7**
Lab ID: 2005-01-0283 - 3
Sampled: 01/10/2005 12:49
Extracted: 1/14/2005 17:54
Matrix: Water
QC Batch#: 2005/01/14-08.10

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| Diesel | ND | 50 | ug/L | 1.00 | 01/17/2005 13:56 | |
| ***Surrogate(s)*** | | | | | | |
| o-Terphenyl | 79.3 | 60-130 | % | 1.00 | 01/17/2005 13:56 | |

## Diesel

TRC Alton Geoscience- Irvine
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Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

Prep(s): 3510/8015M
Sample ID: **MW-10**
Sampled: 01/10/2005 12:42
Matrix: Water

Test(s): 8015M
Lab ID: 2005-01-0283 - 4
Extracted: 1/14/2005 17:54
QC Batch#: 2005/01/14-08.10

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| Diesel | 94 | 50 | ug/L | 1.00 | 01/17/2005 14:23 | Q2 |
| ***Surrogate(s)*** | | | | | | |
| o-Terphenyl | 86.1 | 60-130 | % | 1.00 | 01/17/2005 14:23 | |

## Diesel

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Irvine, CA 92718
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Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

Prep(s): 3510/8015M
Test(s): 8015M
Sample ID: **MW-3**
Lab ID: 2005-01-0283 - 5
Sampled: 01/10/2005 13:21
Extracted: 1/14/2005 17:54
Matrix: Water
QC Batch#: 2005/01/14-08.10

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| Diesel | 250 | 50 | ug/L | 1.00 | 01/17/2005 14:50 | Q2 |
| ***Surrogate(s)*** | | | | | | |
| o-Terphenyl | 86.2 | 60-130 | % | 1.00 | 01/17/2005 14:50 | |

## Diesel

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

### Batch QC Report

Prep(s): 3510/8015M
**Method Blank**
MB: 2005/01/14-08.10-001

**Water**

Test(s): 8015M
**QC Batch # 2005/01/14-08.10**
Date Extracted: 01/14/2005 17:54

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|---|---|---|---|---|---|
| Diesel | ND | 50 | ug/L | 01/17/2005 11:42 | |
| ***Surrogates(s)*** | | | | | |
| o-Terphenyl | 86.3 | 60-130 | % | 01/17/2005 11:42 | |

# Diesel

TRC Alton Geoscience- Irvine
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Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

## Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

**Laboratory Control Spike** **Water** **QC Batch # 2005/01/14-08.10**

LCS 2005/01/14-08.10-002 Extracted: 01/14/2005 Analyzed: 01/17/2005 12:09
LCSD 2005/01/14-08.10-003 Extracted: 01/14/2005 Analyzed: 01/17/2005 12:35

| Compound | Conc. ug/L | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|---|---|---|---|---|---|---|---|---|---|---|
| | LCS | LCSD | | LCS | LCSD | % | Rec. | RPD | LCS | LCSD |
| Diesel | 841 | 892 | 1000 | 84.1 | 89.2 | 5.9 | 60-130 | 25 | | |
| ***Surrogates(s)*** | | | | | | | | | | |
| o-Terphenyl | 16.6 | 17.3 | 20.0 | 82.9 | 86.3 | | 60-130 | 0 | | |

# Diesel

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

## Legend and Notes

**Result Flag**

Q2

Quantit. of unknown hydrocarbon(s) in sample based on diesel.

SEVERN TRENT STL

**Submission: 2005-01-0283**

## Diesel

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

### Samples Reported

| Sample Name | Date Sampled | Matrix | Lab # |
|---|---|---|---|
| MW-6 | 01/10/2005 13:31 | Water | 6 |

## Diesel

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

| | | | |
|---|---|---|---|
| Prep(s): | 3510/8015M | Test(s): | 8015M |
| Sample ID: | **MW-6** | Lab ID: | 2005-01-0283 - 6 |
| Sampled: | 01/10/2005 13:31 | Extracted: | 1/14/2005 17:54 |
| Matrix: | Water | QC Batch#: | 2005/01/14-08.10 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| Diesel | 12000 | 100 | ug/L | 2.00 | 01/25/2005 15:22 | Q2 |
| ***Surrogate(s)*** | | | | | | |
| o-Terphenyl | 94.8 | 60-130 | % | 2.00 | 01/25/2005 15:22 | |

# Diesel

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

## Batch QC Report

Prep(s): 3510/8015M
**Method Blank**
MB: 2005/01/14-08.10-001

**Water**

Test(s): 8015M
**QC Batch # 2005/01/14-08.10**
Date Extracted: 01/14/2005 17:54

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|---|---|---|---|---|---|
| Diesel | ND | 50 | ug/L | 01/17/2005 11:42 | |
| ***Surrogates(s)*** | | | | | |
| o-Terphenyl | 86.3 | 60-130 | % | 01/17/2005 11:42 | |

# Diesel

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

## Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

**Laboratory Control Spike** **Water** **QC Batch # 2005/01/14-08.10**

LCS 2005/01/14-08.10-002 Extracted: 01/14/2005 Analyzed: 01/17/2005 12:09
LCSD 2005/01/14-08.10-003 Extracted: 01/14/2005 Analyzed: 01/17/2005 12:35

| Compound | Conc. ug/L | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|---|---|---|---|---|---|---|---|---|---|---|
| | LCS | LCSD | | LCS | LCSD | % | Rec. | RPD | LCS | LCSD |
| Diesel | 841 | 892 | 1000 | 84.1 | 89.2 | 5.9 | 60-130 | 25 | | |
| ***Surrogates(s)*** | | | | | | | | | | |
| o-Terphenyl | 16.6 | 17.3 | 20.0 | 82.9 | 86.3 | | 60-130 | 0 | | |

SEVERN TRENT STL

**Submission: 2005-01-0283**

## Diesel

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #5043

Received: 01/11/2005 17:17

Site: 449 Hegenberger Rd., Oakland

### Legend and Notes

**Result Flag**

Q2

Quantit. of unknown hydrocarbon(s) in sample based on diesel.

# ConocoPhillips Chain Of Custody Record

99432

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

**ConocoPhillips Site Manager:**

**INVOICE REMITTANCE ADDRESS:** CONOCOPHILLIPS Attn: Dee Hutchinson 3611 South Harbor Blvd Suite 200 Santa Ana, CA. 92704

2005-01-0283

ConocoPhillips Work Order Number:

ConocoPhillips Cost Object:

DATE: 1-10-05

PAGE: 1 of 1

| | | |
|---|---|---|
| SAMPLING COMPANY: TRC | Valid Value ID: | CONOCOPHILLIPS SITE NUMBER: ~~Thomas Kosel~~ TV 5043 |
| GLOBAL ID NO.: T0600101476 | | |
| ADDRESS: 21 Technology Drive, Irvine CA 92618 | | SITE ADDRESS (Street and City): 449 Hegenberger Rd. Oakland |
| CONOCOPHILLIPS SITE MANAGER: Thomas Kosel | | |
| PROJECT CONTACT (Hardcopy or PDF Report to): Anju Farfan | | EDF DELIVERABLE TO (RPM or Designee): Peter Thomson, TRC pthomson@trcsolutions.com |
| PHONE NO.: 949-341-7408 | E-MAIL: | LAB USE ONLY |
| TELEPHONE: 949-341-7440 | FAX: 949-753-0111 | E-MAIL: afarfan@trcsolutions.com |
| SAMPLER NAME(S) (Print): Travis V. | CONSULTANT PROJECT NUMBER: 41050001/FA20 | |

TURNAROUND TIME (CALENDAR DAYS): ☐ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

| LAB USE ONLY | Sample Identification/Field Point Name* | SAMPLING DATE | SAMPLING TIME | MATRIX | NO. OF CONT. | 8015m - TPHd Extractable | 8260B - TPHg/BTEX/MtBE | 8260B - TPHg / BTEX / 8 Oxygenates | 8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M) | 8260B - Full Scan VOCs (does not include oxygenates) | 8270C - Semi-Volatiles | 8015M / 8021B - TPHg/BTEX/MtBE | Lead ☐Total ☐STLC ☐TCLP | TPH-D by 8015M | TPPH by 8260B | BTEX/MTBE by 8260B | Ethanol by 8260B | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MW-9 | 1-10-05 | 1329 | GW | 4 | | | | | | | | | X | X | X | X | | | | | | | | | |
| | MW-8 | | 1308 | X | | | | | | | | | | | | | | | | | | | | | | |
| | MW-7 | | 1248 | | | | | | | | | | | | | | | | | | | | | | | |
| | MW-10 | | 1249 | | | | | | | | | | | | | | | | | | | | | | | |
| | MW-3 | | 1321 | | | | | | | | | | | | | | | | | | | | | | | |
| | MW-6 | | 1331 | | | | | | | | | | | | | | | | | | | | | | | |

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C° 2

1 L AMBER unPreserved
3 Voa HCl

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| (1) | Refridgerator | 1-10-04 | 1500 |
| (3) 1/10/05 1717 | (2) | 1/11/05 | 1026 |
| | (4) | 1/11/05 | 17:17 |

9/19/03 Revision

## STATEMENTS

### Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures - Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water suspected of containing potentially hazardous material, such as liquid-phase hydrocarbons, was accumulated separately in a drum for transportation and disposal by Filter Recycling, Inc.

### Limitations

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.