



Customer-Focused Solutions

October 18, 2004

ConocoPhillips Company  
76 Broadway  
Sacramento, CA 95818

ATTN: MR. THOMAS KOSEL

SITE: 76 STATION 5043  
449 HEGENBERGER ROAD  
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT  
JULY THROUGH SEPTEMBER 2004

Dear Mr. Kosel:

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

Anju Farfan  
QMS Operations Manager

CC: Mr. Roger Batra, TRC (2 copies)  
Beretta Investment Group

Enclosures  
20-0400/5043R04.QMS



Customer-Focused Solutions

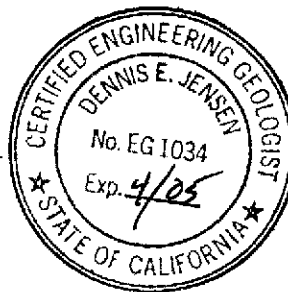
**QUARTERLY MONITORING REPORT  
JULY THROUGH SEPTEMBER 2004**

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  
October 20, 2004

### LIST OF ATTACHMENTS

|                    |   |
|--------------------|---|
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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**  
**July 2004 through September 2004**  
**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: **07/22/04**

**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: **1.88 feet**      Maximum: **4.93 feet**  
Average groundwater elevation (relative to available local datum): **5.22 feet**  
Average change in groundwater elevation since previous event: **-0.07 feet**  
Interpreted groundwater gradient and flow direction:  
    Current event: **0.01 ft/ft, south**  
    Previous event: **0.01 ft/ft, south (04/26/04)**

**Selected Laboratory Results**

Wells with detected **Benzene**: **2**      Wells above MCL (1.0 µg/l): **1**  
    Maximum reported benzene concentration: **4,100 µg/l (MW-6)**  
  
Wells with **TPPH 8260B**      **3**      Maximum: **110,000 µg/l (MW-6)**  
Wells with **MTBE**      **3**      Maximum: **72 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 ABBREVIATIONS

|       |   |   |
|-------|---|---|
| --    | = | 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:  $\text{Surface Elevation} - \text{Measured Depth to Water} + (\text{Dp} \times \text{LPH Thickness})$ , 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 resurvey.

### 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**  
**July 22, 2004**  
**76 Station 5043**

| Date Sampled | TOC Elevation<br>(feet) | Depth to Water<br>(feet)                   | LPH Thickness<br>(feet) | Ground-water Elevation<br>(feet) | Change in Elevation<br>(feet) | TPH-G<br>(µg/l) | TPPH 8260B<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethyl-benzene<br>(µg/l) | Total Xylenes<br>(µg/l) | MTBE 8021B<br>(µg/l) | MTBE 8260B<br>(µg/l) | Comments |
|--------------|-------------------------|--|-------------------------|----------------------------------|-------------------------------|-----------------|----------------------|-------------------|-------------------|-------------------------|-------------------------|----------------------|----------------------|----------|
| <b>MW-3</b>  |                         | <b>(Screen Interval in feet: 2.5-14.0)</b> |                         |                                  |                               |                 |                      |                   |                   |                         |                         |                      |                      |          |
| 7/22/2004    | 8.04                    | 2.51                                       | 0.00                    | 5.53                             | 0.60                          | --              | 420                  | ND<0.5            | ND<0.5            | ND<0.5                  | ND<1                    | --                   | 72                   |          |
| <b>MW-6</b>  |                         | <b>(Screen Interval in feet: 2.5-13.5)</b> |                         |                                  |                               |                 |                      |                   |                   |                         |                         |                      |                      |          |
| 7/22/2004    | 8.87                    | 3.54                                       | 0.00                    | 5.33                             | -0.14                         | --              | 110000               | 4100              | 5100              | 4000                    | 16000                   | --                   | ND<200               |          |
| <b>MW-7</b>  |                         | <b>(Screen Interval in feet: 3.0-13.0)</b> |                         |                                  |                               |                 |                      |                   |                   |                         |                         |                      |                      |          |
| 7/22/2004    | 8.83                    | 4.93                                       | 0.00                    | 3.90                             | -0.44                         | --              | 82                   | 0.90              | 2.0               | 3.5                     | 9.9                     | --                   | 1.4                  |          |
| <b>MW-8</b>  |                         | <b>(Screen Interval in feet: 3.0-15.0)</b> |                         |                                  |                               |                 |                      |                   |                   |                         |                         |                      |                      |          |
| 7/22/2004    | 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               |          |
| <b>MW-9</b>  |                         | <b>(Screen Interval in feet: 3.0-13.0)</b> |                         |                                  |                               |                 |                      |                   |                   |                         |                         |                      |                      |          |
| 7/22/2004    | 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                 |          |
| <b>MW-10</b> |                         | <b>(Screen Interval in feet: 3.0-13.0)</b> |                         |                                  |                               |                 |                      |                   |                   |                         |                         |                      |                      |          |
| 7/22/2004    | 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               |          |

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1992 Through July 2004**  
**76 Station 5043**

| Date Sampled                               | TOC Elevation<br>(feet) | Depth to Water<br>(feet) | LPH Thickness<br>(feet) | Ground-water Elevation<br>(feet) | Change in Elevation<br>(feet) | TPH-G<br>(µg/l) | TPPH 8260B<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethyl-benzene<br>(µg/l) | Total Xylenes<br>(µg/l) | MTBE 8021B<br>(µg/l) | MTBE 8260B<br>(µg/l) | Comments |
|--|-------------------------|--------------------------|-------------------------|----------------------------------|-------------------------------|-----------------|----------------------|-------------------|-------------------|-------------------------|-------------------------|----------------------|----------------------|----------|
| <b>MW-1 (Screen Interval in feet: DNA)</b> |                         |                          |                         |                                  |                               |                 |                      |                   |                   |                         |                         |                      |                      |          |
| 2/18/1992                                  | 8.96                    | --                       | --                      | --                               | --                            | 150000          | --                   | 17000             | 26000             | 5200                    | 26000                   | --                   | --                   |          |
| 5/20/1992                                  | 8.96                    | --                       | --                      | --                               | --                            | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 8/31/1992                                  | 8.96                    | --                       | --                      | --                               | --                            | 64000           | --                   | 13000             | 12000             | 2500                    | 22000                   | --                   | --                   |          |
| 11/30/1992                                 | 8.96                    | --                       | --                      | --                               | --                            | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 2/4/1993                                   | 8.96                    | --                       | --                      | --                               | --                            | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 5/4/1993                                   | 8.96                    | 2.13                     | 0.10                    | 6.90                             | --                            | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 8/4/1993                                   | 7.38                    | 2.92                     | 0.03                    | 4.48                             | -2.42                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 11/3/1993                                  | 7.38                    | 3.04                     | 0.00                    | 4.34                             | -0.14                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 2/7/1994                                   | 7.38                    | 2.55                     | 0.03                    | 4.85                             | 0.51                          | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 5/19/1994                                  | 7.38                    | 2.23                     | 0.01                    | 5.16                             | 0.31                          | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 6/25/1994                                  | 7.38                    | 2.49                     | 0.01                    | 4.90                             | -0.26                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 7/27/1994                                  | 7.38                    | 3.10                     | 0.00                    | 4.28                             | -0.62                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 8/15/1994                                  | 7.38                    | 2.85                     | 0.11                    | 4.61                             | 0.33                          | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 11/14/1994                                 | 7.38                    | 2.97                     | 0.12                    | 4.50                             | -0.11                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 2/21/1995                                  | 7.38                    | 1.53                     | 0.02                    | 5.87                             | 1.37                          | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| <b>MW-2 (Screen Interval in feet: DNA)</b> |                         |                          |                         |                                  |                               |                 |                      |                   |                   |                         |                         |                      |                      |          |
| 2/18/1992                                  | 8.96                    | --                       | --                      | --                               | --                            | 29000           | --                   | 1000              | 5300              | 260                     | 7900                    | --                   | --                   |          |
| 5/20/1992                                  | 8.96                    | --                       | --                      | --                               | --                            | 24000           | --                   | 2200              | 7600              | 630                     | 11000                   | --                   | --                   |          |
| 8/31/1992                                  | 8.96                    | --                       | --                      | --                               | --                            | 9000            | --                   | 1800              | 640               | 140                     | 2000                    | --                   | --                   |          |
| 11/30/1992                                 | 8.96                    | --                       | --                      | --                               | --                            | 29000           | --                   | 2000              | 3400              | 1200                    | 6900                    | --                   | --                   |          |
| 2/4/1993                                   | 8.96                    | --                       | --                      | --                               | --                            | 18000           | --                   | 1600              | 3000              | ND                      | 6900                    | --                   | --                   |          |
| 5/4/1993                                   | 8.96                    | 2.48                     | 0.00                    | 6.48                             | --                            | 63000           | --                   | 3200              | 17000             | 470                     | 17000                   | --                   | --                   |          |
| 8/4/1993                                   | 8.58                    | 3.20                     | 0.00                    | 5.38                             | -1.10                         | 45000           | --                   | 2100              | 6600              | 1400                    | 12000                   | --                   | --                   |          |
| 11/3/1993                                  | 8.58                    | 3.37                     | 0.00                    | 5.21                             | -0.17                         | 72000           | --                   | 3700              | 16000             | 3700                    | 20000                   | --                   | --                   |          |



**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1992 Through July 2004**  
**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 |
|---|----------------------|-----------------------|----------------------|-------------------------------|----------------------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------------|-------------------|----------|
| <b>MW-2 continued</b>                           |                      |                       |                      |                               |                            |              |                   |                |                |                      |                      |                   |                   |          |
| 2/7/1994  | 8.58                 | 2.40                  | 0.00                 | 6.18                          | 0.97                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 5/19/1994                                       | 8.58                 | 2.13                  | 0.00                 | 6.45                          | 0.27                       | 42000        | --                | 2500           | 1300           | 2300                 | 13000                | --                | --                |          |
| 6/25/1994                                       | 8.58                 | 2.65                  | 0.00                 | 5.93                          | -0.52                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 7/27/1994                                       | 8.58                 | 3.44                  | 0.00                 | 5.14                          | -0.79                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 8/15/1994                                       | 8.58                 | 3.25                  | 0.00                 | 5.33                          | 0.19                       | 35000        | --                | 2400           | 850            | 1700                 | 15000                | --                | --                |          |
| 11/14/1994                                      | 8.58                 | 2.13                  | 0.00                 | 6.45                          | 1.12                       | 43000        | --                | 2200           | 6500           | 1800                 | 14000                | --                | --                |          |
| 2/21/1995                                       | 8.58                 | 1.65                  | 0.00                 | 6.93                          | 0.48                       | 44000        | --                | 2200           | 3200           | 1300                 | 1500                 | --                | --                |          |
| <b>MW-3 (Screen Interval in feet: 2.5-14.0)</b> |                      |                       |                      |                               |                            |              |                   |                |                |                      |                      |                   |                   |          |
| 2/18/1992                                       | 7.84                 | --                    | --                   | --                            | --                         | 230          | --                | 4.8            | 22             | 1.8                  | 33                   | --                | --                |          |
| 5/20/1992                                       | 7.84                 | --                    | --                   | --                            | --                         | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 8/31/1992                                       | 7.84                 | --                    | --                   | --                            | --                         | 210          | --                | 1              | ND             | ND                   | ND                   | --                | --                |          |
| 11/30/1992                                      | 7.84                 | --                    | --                   | --                            | --                         | 790          | --                | ND             | ND             | ND                   | ND                   | --                | --                |          |
| 2/4/1993  | 7.84                 | --                    | --                   | --                            | --                         | 3300         | --                | 320            | ND             | 96                   | 6.1                  | --                | --                |          |
| 5/4/1993  | 7.84                 | 4.32                  | 0.00                 | 3.52                          | --                         | 1800         | --                | 95             | ND             | ND                   | ND                   | --                | --                |          |
| 8/4/1993  | 7.84                 | 4.94                  | 0.00                 | 2.90                          | -0.62                      | 210          | --                | ND             | ND             | ND                   | ND                   | --                | --                |          |
| 11/3/1993                                       | 7.42                 | 4.53                  | 0.00                 | 2.89                          | -0.01                      | 640          | --                | ND             | ND             | ND                   | ND                   | --                | --                |          |
| 2/7/1994  | 7.42                 | 2.40                  | 0.00                 | 5.02                          | 2.13                       | 2700         | --                | 110            | ND             | 17                   | ND                   | --                | --                |          |
| 5/19/1994                                       | 7.42                 | 3.60                  | 0.00                 | 3.82                          | -1.20                      | 1800         | --                | 83             | ND             | 6.2                  | 9.1                  | --                | --                |          |
| 6/25/1994                                       | 7.42                 | 4.58                  | 0.00                 | 2.84                          | -0.98                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 7/27/1994                                       | 7.42                 | 4.58                  | 0.00                 | 2.84                          | 0.00                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 8/15/1994                                       | 7.42                 | 4.65                  | 0.00                 | 2.77                          | -0.07                      | 130          | --                | 1.1            | 0.54           | ND                   | 0.97                 | --                | --                |          |
| 11/14/1994                                      | 7.42                 | 3.18                  | 0.00                 | 4.24                          | 1.47                       | 1600         | --                | ND             | ND             | ND                   | ND                   | --                | --                |          |
| 2/21/1995                                       | 7.42                 | 1.81                  | 0.00                 | 5.61                          | 1.37                       | 3800         | --                | 350            | ND             | 130                  | 22                   | --                | --                |          |
| 5/18/1995                                       | 7.42                 | 4.56                  | 0.00                 | 2.86                          | -2.75                      | 1300         | --                | 42             | ND             | ND                   | ND                   | --                | --                |          |

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1992 Through July 2004**  
**76 Station 5043**

| Date Sampled   | TOC Elevation<br>(feet) | Depth to Water<br>(feet) | LPH Thickness<br>(feet) | Ground-water Elevation<br>(feet) | Change in Elevation<br>(feet) | TPH-G<br>(µg/l) | TPPH 8260B<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethyl-benzene<br>(µg/l) | Total Xylenes<br>(µg/l) | MTBE 8021B<br>(µg/l) | MTBE 8260B<br>(µg/l) | Comments |
|----------------|-------------------------|--------------------------|-------------------------|----------------------------------|-------------------------------|-----------------|----------------------|-------------------|-------------------|-------------------------|-------------------------|----------------------|----------------------|----------|
| MW-3 continued |                         |                          |                         |                                  |                               |                 |                      |                   |                   |                         |                         |                      |                      |          |
| 8/17/1995      | 7.42                    | --                       | --                      | --                               | --                            | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 7/26/1996      | 7.42                    | --                       | --                      | --                               | --                            | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 10/28/1996     | 7.42                    | --                       | --                      | --                               | --                            | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 1/29/1997      | 7.42                    | --                       | --                      | --                               | --                            | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 4/15/1997      | 7.42                    | --                       | --                      | --                               | --                            | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 5/27/1997      | 7.42                    | 3.45                     | 0.00                    | 3.97                             | --                            | 670             | --                   | 6.5               | ND                | ND                      | ND                      | --                   | 250                  |          |
| 6/1/1997       | 7.42                    | 3.50                     | 0.00                    | 3.92                             | -0.05                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 7/15/1997      | 8.04                    | 3.71                     | 0.00                    | 4.33                             | --                            | 240             | --                   | ND                | ND                | ND                      | ND                      | --                   | 490                  |          |
| 10/9/1997      | 8.04                    | 3.70                     | 0.00                    | 4.34                             | --                            | 270             | --                   | 1.1               | ND                | 2.4                     | 1.4                     | --                   | 910                  |          |
| 1/14/1998      | 8.04                    | 2.16                     | 0.00                    | 5.88                             | 1.54                          | 310             | --                   | ND                | ND                | 0.62                    | 0.65                    | --                   | 140                  |          |
| 4/1/1998       | 8.04                    | 2.20                     | 0.00                    | 5.84                             | --                            | 370             | --                   | 5.7               | ND                | ND                      | ND                      | --                   | 93                   |          |
| 7/15/1998      | 8.04                    | 3.38                     | 0.00                    | 4.66                             | --                            | 460             | --                   | ND                | ND                | ND                      | ND                      | --                   | 230                  |          |
| 10/16/1998     | 8.04                    | 2.30                     | 0.00                    | 5.74                             | --                            | 330             | --                   | 4.7               | ND                | ND                      | ND                      | --                   | 60                   |          |
| 1/25/1999      | 8.04                    | 2.42                     | 0.00                    | 5.62                             | --                            | 420             | --                   | 1.5               | ND                | ND                      | ND                      | --                   | 180                  |          |
| 4/15/1999      | 8.04                    | 2.16                     | 0.00                    | 5.88                             | --                            | 290             | --                   | 0.54              | ND                | ND                      | ND                      | --                   | 160                  |          |
| 7/14/1999      | 8.04                    | 2.35                     | 0.00                    | 5.69                             | --                            | 290             | --                   | 3.2               | ND                | ND                      | ND                      | --                   | 160                  |          |
| 10/21/1999     | 8.04                    | 2.49                     | 0.00                    | 5.55                             | --                            | 360             | --                   | 0.77              | ND                | ND                      | ND                      | --                   | 82                   |          |
| 1/20/2000      | 8.04                    | 2.38                     | 0.00                    | 5.66                             | --                            | ND              | --                   | 0.81              | ND                | ND                      | ND                      | --                   | 54                   |          |
| 4/13/2000      | 8.04                    | 2.76                     | 0.00                    | 5.28                             | --                            | 250             | --                   | 0.69              | ND                | ND                      | ND                      | --                   | 150                  |          |
| 7/14/2000      | 8.04                    | 3.26                     | 0.00                    | 4.78                             | --                            | 345             | --                   | ND                | ND                | ND                      | ND                      | --                   | 94.7                 |          |
| 1/3/2001       | 8.04                    | 3.65                     | 0.00                    | 4.39                             | --                            | 364             | --                   | 1.59              | ND                | ND                      | ND                      | --                   | 118                  |          |
| 4/4/2001       | 8.04                    | --                       | --                      | --                               | --                            | 417             | --                   | 1.24              | ND                | ND                      | 0.802                   | --                   | 237                  |          |
| 7/17/2001      | 8.04                    | --                       | --                      | --                               | --                            | 480             | --                   | ND                | ND                | ND                      | ND                      | --                   | 150                  |          |
| 10/1/2001      | 8.04                    | --                       | --                      | --                               | --                            | 310             | --                   | 1.0               | ND<0.50           | ND<0.50                 | ND<0.50                 | --                   | 53                   |          |

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1992 Through July 2004**  
**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 |
|--|----------------------|-----------------------|----------------------|-------------------------------|----------------------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------------|-------------------|----------|
| <b>MW-3 continued</b>                      |                      |                       |                      |                               |                            |              |                   |                |                |                      |                      |                   |                   |          |
| 1/31/2002                                  | 8.04                 | --                    | --                   | --                            | --                         | 250          | --                | 3.5            | ND<1           | ND<1                 | ND<1                 | --                | 110               |          |
| 4/18/2002                                  | 8.04                 | 3.55                  | 0.00                 | 4.49                          | --                         | 300          | --                | ND<2           | ND<2           | ND<2                 | ND<2                 | --                | 59                |          |
| 7/28/2002                                  | 8.04                 | 2.55                  | 0.00                 | 5.49                          | 1.00                       | 500          | --                | ND<0.50        | ND<0.50        | ND<0.50              | ND<1                 | --                | 130               |          |
| 10/9/2002                                  | 8.04                 | 2.47                  | 0.00                 | 5.57                          | 0.08                       | 690          | --                | ND<5           | ND<5           | ND<5                 | ND<10                | --                | 120               |          |
| 1/2/2003                                   | 8.04                 | 1.70                  | 0.00                 | 6.34                          | 0.77                       | 310          | --                | ND<0.50        | ND<0.50        | ND<0.50              | ND<1                 | --                | 110               |          |
| 4/1/2003                                   | 8.04                 | 3.48                  | 0.00                 | 4.56                          | --                         | 250          | --                | ND<1           | ND<1           | ND<1                 | ND<2                 | --                | 210               |          |
| 7/1/2003                                   | 8.04                 | 2.65                  | 0.00                 | 5.39                          | 0.83                       | 450          | --                | ND<2.5         | ND<2.5         | ND<2.5               | ND<5                 | --                | 70                |          |
| 10/2/2003                                  | 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               |          |
| 1/9/2004                                   | 8.04                 | 2.39                  | 0.00                 | 5.65                          | 0.73                       | --           | 300               | ND<0.50        | 0.53           | 0.53                 | 1.5                  | --                | 66                |          |
| 4/26/2004                                  | 8.04                 | 3.11                  | 0.00                 | 4.93                          | -0.72                      | --           | 440               | 2.5            | 5.5            | 2.9                  | 9.4                  | --                | 81                |          |
| 7/22/2004                                  | 8.04                 | 2.51                  | 0.00                 | 5.53                          | 0.60                       | --           | 420               | ND<0.5         | ND<0.5         | ND<0.5               | ND<1                 | --                | 72                |          |
| <b>MW-4 (Screen Interval in feet: DNA)</b> |                      |                       |                      |                               |                            |              |                   |                |                |                      |                      |                   |                   |          |
| 8/31/1992                                  | 9.00                 | --                    | --                   | --                            | --                         | 240          | --                | ND             | ND             | ND                   | 0.54                 | --                | --                |          |
| 11/30/1992                                 | 9.00                 | --                    | --                   | --                            | --                         | 420          | --                | ND             | ND             | ND                   | ND                   | --                | --                |          |
| 2/4/1993                                   | 9.00                 | --                    | --                   | --                            | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | --                |          |
| 5/4/1993                                   | 9.00                 | 4.09                  | 0.00                 | 4.91                          | --                         | 110          | --                | 0.95           | ND             | ND                   | ND                   | --                | --                |          |
| 8/4/1993                                   | 9.00                 | 5.01                  | 0.00                 | 3.99                          | -0.92                      | 250          | --                | ND             | 3.5            | ND                   | 4.1                  | --                | --                |          |
| 11/3/1993                                  | 8.41                 | 4.23                  | 0.00                 | 4.18                          | 0.19                       | 130          | --                | ND             | ND             | ND                   | ND                   | --                | --                |          |
| 2/7/1994                                   | 8.41                 | 3.35                  | 0.00                 | 5.06                          | 0.88                       | 56           | --                | ND             | ND             | ND                   | ND                   | --                | --                |          |
| 5/19/1994                                  | 8.41                 | 3.92                  | 0.00                 | 4.49                          | -0.57                      | 140          | --                | ND             | ND             | ND                   | ND                   | --                | --                |          |
| 6/25/1994                                  | 8.41                 | 4.35                  | 0.00                 | 4.06                          | -0.43                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 7/27/1994                                  | 8.41                 | 4.28                  | 0.00                 | 4.13                          | 0.07                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 8/15/1994                                  | 8.41                 | 4.27                  | 0.00                 | 4.14                          | 0.01                       | 59           | --                | ND             | 0.6            | ND                   | ND                   | --                | --                |          |
| 11/14/1994                                 | 8.41                 | 4.05                  | 0.00                 | 4.36                          | 0.22                       | 130          | --                | ND             | ND             | ND                   | ND                   | --                | --                |          |

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1992 Through July 2004**  
**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 |
|---|----------------------|-----------------------|----------------------|-------------------------------|----------------------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------------|-------------------|----------|
| <b>MW-5 (Screen Interval in feet: DNA)</b>      |                      |                       |                      |                               |                            |              |                   |                |                |                      |                      |                   |                   |          |
| 8/31/1992                                       | 8.95                 | --                    | --                   | --                            | --                         | 78           | --                | 0.89           | ND             | ND                   | 13                   | --                | --                |          |
| 11/30/1992                                      | 8.95                 | --                    | --                   | --                            | --                         | 930          | --                | 70             | 290            | 0.79                 | 14                   | --                | --                |          |
| 2/4/1993  | 8.95                 | --                    | --                   | --                            | --                         | 5700         | --                | 38             | ND             | 620                  | 170                  | --                | --                |          |
| 5/4/1993  | 8.95                 | 4.37                  | 0.00                 | 4.58                          | --                         | 7400         | --                | 41             | ND             | 1000                 | 35                   | --                | --                |          |
| 8/4/1993  | 8.95                 | 5.81                  | 0.00                 | 3.14                          | -1.44                      | 1500         | --                | 130            | 1              | 460                  | 11                   | --                | --                |          |
| 11/3/1993                                       | 8.95                 | 5.68                  | 0.00                 | 3.27                          | 0.13                       | 13000        | --                | 350            | ND             | 3500                 | 530                  | --                | --                |          |
| 2/7/1994  | 8.95                 | 5.11                  | 0.00                 | 3.84                          | 0.57                       | 2000         | --                | 87             | ND             | 370                  | 110                  | --                | --                |          |
| 5/19/1994                                       | 8.95                 | 5.09                  | 0.00                 | 3.86                          | 0.02                       | 260          | --                | 44             | ND             | 32                   | 4.1                  | --                | --                |          |
| 6/25/1994                                       | 8.95                 | 4.55                  | 0.00                 | 4.40                          | 0.54                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 7/27/1994                                       | 8.95                 | 5.72                  | 0.00                 | 3.23                          | -1.17                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 8/15/1994                                       | 8.95                 | 5.68                  | 0.00                 | 3.27                          | 0.04                       | 1600         | --                | 110            | ND             | 340                  | 72                   | --                | --                |          |
| 11/14/1994                                      | 8.95                 | 5.63                  | 0.00                 | 3.32                          | 0.05                       | 250          | --                | 40             | ND             | ND                   | 5                    | --                | --                |          |
| <b>MW-6 (Screen Interval in feet: 2.5-13.5)</b> |                      |                       |                      |                               |                            |              |                   |                |                |                      |                      |                   |                   |          |
| 8/31/1992                                       | 9.12                 | --                    | --                   | --                            | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | --                |          |
| 11/30/1992                                      | 9.12                 | --                    | --                   | --                            | --                         | 9200         | --                | 550            | ND             | 740                  | 1600                 | --                | --                |          |
| 2/4/1993  | 9.12                 | --                    | --                   | --                            | --                         | 3600         | --                | 340            | ND             | 290                  | 550                  | --                | --                |          |
| 5/4/1993  | 9.12                 | 3.72                  | 0.00                 | 5.40                          | --                         | 4900         | --                | 360            | 18             | 450                  | 430                  | --                | --                |          |
| 8/4/1993  | 9.12                 | 5.15                  | 0.00                 | 3.97                          | -1.43                      | 3400         | --                | 390            | ND             | 440                  | 190                  | --                | --                |          |
| 11/3/1993                                       | 8.87                 | 5.25                  | 0.00                 | 3.62                          | -0.35                      | 1400         | --                | 320            | ND             | 200                  | 7.7                  | --                | --                |          |
| 2/7/1994  | 8.87                 | 4.55                  | 0.00                 | 4.32                          | 0.70                       | 4900         | --                | 650            | ND             | 250                  | 35                   | --                | --                |          |
| 5/19/1994                                       | 8.87                 | 4.62                  | 0.00                 | 4.25                          | -0.07                      | 3600         | --                | 300            | 1.7            | 210                  | 41                   | --                | --                |          |
| 8/15/1994                                       | 8.87                 | 5.08                  | 0.00                 | 3.79                          | --                         | 1300         | --                | 130            | 6.7            | 54                   | 57                   | --                | --                |          |
| 11/14/1994                                      | 8.87                 | 5.30                  | 0.00                 | 3.57                          | -0.22                      | 730          | --                | 50             | ND             | ND                   | 39                   | --                | --                |          |
| 2/21/1995                                       | 8.87                 | 5.37                  | 0.00                 | 3.50                          | -0.07                      | 2000         | --                | 250            | 4.6            | 25                   | 30                   | --                | --                |          |

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1992 Through July 2004**  
**76 Station 5043**

| Date Sampled   | TOC Elevation<br>(feet) | Depth to Water<br>(feet) | LPH Thickness<br>(feet) | Ground-water Elevation<br>(feet) | Change in Elevation<br>(feet) | TPH-G<br>(µg/l) | TPPH 8260B<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethyl-benzene<br>(µg/l) | Total Xylenes<br>(µg/l) | MTBE 8021B<br>(µg/l) | MTBE 8260B<br>(µg/l) | Comments |
|----------------|-------------------------|--------------------------|-------------------------|----------------------------------|-------------------------------|-----------------|----------------------|-------------------|-------------------|-------------------------|-------------------------|----------------------|----------------------|----------|
| MW-6 continued |                         |                          |                         |                                  |                               |                 |                      |                   |                   |                         |                         |                      |                      |          |
| 5/18/1995      | 8.87                    | --                       | --                      | --                               | --                            | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 8/17/1995      | 8.87                    | --                       | --                      | --                               | --                            | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 7/26/1996      | 8.87                    | 6.40                     | 3.33                    | 4.97                             | --                            | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 10/28/1996     | 8.87                    | 4.10                     | 0.21                    | 4.93                             | -0.04                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 11/13/1996     | 8.87                    | 4.02                     | 0.25                    | 5.04                             | 0.11                          | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 11/25/1996     | 8.87                    | 4.01                     | 0.75                    | 5.42                             | 0.38                          | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 12/4/1996      | 8.87                    | 3.65                     | 0.50                    | 5.59                             | 0.17                          | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 12/19/1996     | 8.87                    | 4.80                     | 2.20                    | 5.72                             | 0.13                          | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 1/8/1997       | 8.87                    | 4.84                     | 1.75                    | 5.34                             | -0.38                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 1/14/1997      | 8.87                    | 4.51                     | 1.15                    | 5.22                             | -0.12                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 1/27/1997      | 8.87                    | 4.00                     | 1.75                    | 6.18                             | 0.96                          | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 1/29/1997      | 8.87                    | 3.24                     | 0.31                    | 5.86                             | -0.32                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 2/11/1997      | 8.87                    | 4.65                     | 1.20                    | 5.12                             | -0.74                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 2/24/1997      | 8.87                    | 4.81                     | 1.10                    | 4.89                             | -0.23                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 3/10/1997      | 8.87                    | 4.60                     | 0.95                    | 4.98                             | 0.10                          | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 3/17/1997      | 8.87                    | 4.50                     | 0.89                    | 5.04                             | 0.05                          | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 3/31/1997      | 8.87                    | 4.65                     | 1.00                    | 4.97                             | -0.07                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 4/15/1997      | 8.87                    | 4.90                     | 1.03                    | 4.74                             | -0.23                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 4/28/1997      | 8.87                    | 4.78                     | 0.03                    | 4.11                             | -0.63                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 5/15/1997      | 8.87                    | 4.60                     | 0.25                    | 4.46                             | 0.35                          | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 5/27/1997      | 8.87                    | 4.50                     | 0.25                    | 4.56                             | 0.10                          | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 6/9/1997       | 8.87                    | 4.60                     | 0.20                    | 4.42                             | --                            | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 6/24/1997      | 8.87                    | 4.50                     | 0.25                    | 4.56                             | 0.14                          | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |
| 7/9/1997       | 8.87                    | 4.80                     | 0.60                    | 4.52                             | -0.04                         | --              | --                   | --                | --                | --                      | --                      | --                   | --                   |          |

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1992 Through July 2004**  
**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 |                      |                       |                      |                               |                            |              |                   |                |                |                      |                      |                   |                   |          |
| 7/15/1997      | 8.87                 | 4.63                  | 0.42                 | 4.55                          | 0.04                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 7/21/1997      | 8.87                 | 4.75                  | 0.25                 | 4.31                          | -0.25                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 8/6/1997       | 8.87                 | 4.50                  | 0.10                 | 4.44                          | 0.14                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 8/20/1997      | 8.87                 | 4.55                  | 0.10                 | 4.39                          | -0.05                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 9/2/1997       | 8.87                 | 4.75                  | 0.05                 | 4.16                          | -0.24                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 10/9/1997      | 8.87                 | 4.84                  | 0.04                 | 4.06                          | -0.10                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 1/14/1998      | 8.87                 | 3.90                  | 0.94                 | 5.67                          | 1.61                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 2/12/1998      | 8.87                 | 3.35                  | 0.64                 | 6.00                          | 0.33                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 3/3/1998       | 8.87                 | 4.51                  | 0.02                 | 4.37                          | -1.63                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 4/1/1998       | 8.87                 | 3.67                  | 1.60                 | 6.40                          | 2.03                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 5/26/1998      | 8.87                 | 4.11                  | 0.50                 | 5.13                          | -1.26                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 6/15/1998      | 8.87                 | 5.03                  | 0.30                 | 4.06                          | -1.07                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 7/15/1998      | 8.87                 | 4.56                  | 0.05                 | 4.35                          | 0.28                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 8/21/1998      | 8.87                 | 4.77                  | 0.02                 | 4.11                          | -0.23                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 9/30/1998      | 8.87                 | 5.08                  | 0.03                 | 3.81                          | -0.30                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 10/16/1998     | 8.87                 | 4.31                  | 2.40                 | 6.36                          | 2.55                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 11/6/1998      | 8.87                 | 3.98                  | 0.17                 | 5.02                          | -1.34                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 11/25/1998     | 8.87                 | 3.92                  | 0.10                 | 5.02                          | 0.01                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 12/28/1998     | 8.87                 | 3.90                  | 0.20                 | 5.12                          | 0.10                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 1/25/1999      | 8.87                 | 4.18                  | 0.60                 | 5.14                          | 0.02                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 2/22/1999      | 8.87                 | 4.07                  | 0.22                 | 4.96                          | -0.18                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 3/22/1999      | 8.87                 | 4.32                  | 0.15                 | 4.66                          | -0.30                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 4/15/1999      | 8.87                 | 4.23                  | 0.95                 | 5.35                          | 0.69                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 5/28/1999      | 8.87                 | 4.38                  | 0.39                 | 4.78                          | -0.57                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1992 Through July 2004**  
**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 |                      |                       |                      |                               |                            |              |                   |                |                |                      |                      |                   |                   |          |
| 6/29/1999      | 8.87                 | 4.12                  | 0.02                 | 4.76                          | -0.02                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 7/14/1999      | 8.87                 | 4.20                  | 0.03                 | 4.69                          | -0.07                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 8/23/1999      | 8.87                 | 4.51                  | 0.24                 | 4.54                          | -0.15                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 9/30/1999      | 8.87                 | 4.17                  | 0.17                 | 4.83                          | 0.29                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 10/21/1999     | 8.87                 | 4.27                  | 0.12                 | 4.69                          | -0.14                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 11/29/1999     | 8.87                 | 4.18                  | 0.00                 | 4.69                          | 0.00                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 12/20/1999     | 8.87                 | 4.26                  | 0.01                 | 4.62                          | -0.07                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 1/20/2000      | 8.87                 | 4.31                  | 0.00                 | 4.56                          | -0.06                      | 130000       | --                | 2900           | 8600           | 2000                 | 16000                | --                | ND                |          |
| 2/26/2000      | 8.87                 | 3.98                  | 0.00                 | 4.89                          | 0.33                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 3/31/2000      | 8.87                 | 4.14                  | 0.00                 | 4.73                          | -0.16                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 4/13/2000      | 8.87                 | 4.04                  | 0.00                 | 4.83                          | 0.10                       | 140000       | --                | 5000           | 14000          | 3600                 | 27000                | --                | 7700              |          |
| 5/26/2000      | 8.87                 | 4.41                  | 0.00                 | 4.46                          | -0.37                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 6/17/2000      | 8.87                 | 4.35                  | 0.00                 | 4.52                          | 0.06                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 7/14/2000      | 8.87                 | 4.47                  | 0.00                 | 4.40                          | -0.12                      | 259000       | --                | 7670           | 13700          | 6860                 | 40700                | --                | ND                |          |
| 8/24/2000      | 8.87                 | 3.71                  | 0.00                 | 5.16                          | 0.76                       | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 9/27/2000      | 8.87                 | 4.33                  | 0.00                 | 4.54                          | -0.62                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 10/26/2000     | 8.87                 | 4.32                  | 0.00                 | 4.55                          | 0.01                       | 110000       | --                | 7000           | 6200           | 3700                 | 12000                | --                | 43                |          |
| 1/3/2001       | 8.87                 | 4.52                  | 0.00                 | 4.35                          | -0.20                      | 84700        | --                | 3950           | 4130           | 3650                 | 11800                | --                | ND                |          |
| 4/4/2001       | 8.87                 | --                    | --                   | --                            | --                         | 69800        | --                | 2060           | 2840           | 3650                 | 10900                | --                | 47.8              |          |
| 7/17/2001      | 8.87                 | --                    | --                   | --                            | --                         | 100000       | --                | 3200           | 3300           | 3400                 | 12000                | --                | ND                |          |
| 10/1/2001      | 8.87                 | --                    | --                   | --                            | --                         | 110000       | --                | 3200           | 2400           | 4500                 | 13000                | --                | ND<1000           |          |
| 1/31/2002      | 8.87                 | --                    | --                   | --                            | --                         | 230000       | --                | 2400           | 1800           | 5400                 | 16000                | --                | ND<2500           |          |
| 4/18/2002      | 8.87                 | 3.45                  | 0.00                 | 5.42                          | --                         | 94000        | --                | 6800           | 13000          | 3000                 | 19000                | --                | ND<500            |          |
| 7/28/2002      | 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 July 2004**  
**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                           |                      |                       |                      |                               |                            |              |                   |                |                |                      |                      |                   |                   |          |
| 10/9/2002                                | 8.87                 | 3.53                  | 0.00                 | 5.34                          | -1.29                      | 970000       | --                | 10000          | 39000          | 13000                | 94000                | --                | ND<2000           |          |
| 1/2/2003                                 | 8.87                 | 2.34                  | 0.00                 | 6.53                          | 1.19                       | 270000       | --                | 6100           | 15000          | 5400                 | 37000                | --                | ND<200            |          |
| 4/1/2003                                 | 8.87                 | 3.17                  | 0.00                 | 5.70                          | --                         | 3000000      | --                | 8000           | 39000          | 37000                | 260000               | --                | ND<2000           |          |
| 7/1/2003                                 | 8.87                 | 3.55                  | 0.00                 | 5.32                          | -0.38                      | 38000        | --                | 2100           | 990            | 2700                 | 6500                 | --                | ND<100            |          |
| 10/2/2003                                | 8.87                 | 3.82                  | 0.00                 | 5.05                          | -0.27                      | --           | 100000            | 5600           | 6900           | 4700                 | 18000                | --                | ND<800            |          |
| 1/9/2004                                 | 8.87                 | 2.80                  | 0.00                 | 6.07                          | 1.02                       | --           | 170000            | 2800           | 3300           | 4700                 | 16000                | --                | ND<200            |          |
| 4/26/2004                                | 8.87                 | 3.40                  | 0.00                 | 5.47                          | -0.60                      | --           | 97000             | 5900           | 9000           | 5100                 | 23000                | --                | ND<50             |          |
| 7/22/2004                                | 8.87                 | 3.54                  | 0.00                 | 5.33                          | -0.14                      | --           | 110000            | 4100           | 5100           | 4000                 | 16000                | --                | ND<200            |          |
| MW-7 (Screen Interval in feet: 3.0-13.0) |                      |                       |                      |                               |                            |              |                   |                |                |                      |                      |                   |                   |          |
| 5/27/1997                                | 8.83                 | 4.50                  | 0.00                 | 4.33                          | --                         | 68           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |
| 6/1/1997                                 | 8.83                 | 4.54                  | 0.00                 | 4.29                          | -0.04                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 7/15/1997                                | 8.83                 | 4.70                  | 0.00                 | 4.13                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |
| 10/9/1997                                | 8.83                 | 4.30                  | 0.00                 | 4.53                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |
| 1/14/1998                                | 8.83                 | 2.88                  | 0.00                 | 5.95                          | 1.42                       | ND           | --                | ND             | ND             | ND                   | ND                   | --                | 36                |          |
| 4/1/1998                                 | 8.83                 | 3.13                  | 0.00                 | 5.70                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |
| 7/15/1998                                | 8.83                 | 4.45                  | 0.00                 | 4.38                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |
| 10/16/1998                               | 8.83                 | 3.45                  | 0.00                 | 5.38                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |
| 1/25/1999                                | 8.83                 | 3.22                  | 0.00                 | 5.61                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |
| 4/15/1999                                | 8.83                 | 3.11                  | 0.00                 | 5.72                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |
| 7/14/1999                                | 8.83                 | 3.34                  | 0.00                 | 5.49                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |
| 10/21/1999                               | 8.83                 | 3.43                  | 0.00                 | 5.40                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |
| 1/20/2000                                | 8.83                 | 3.29                  | 0.00                 | 5.54                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | 4.2               |          |
| 4/13/2000                                | 8.83                 | 3.39                  | 0.00                 | 5.44                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |
| 7/14/2000                                | 8.83                 | 4.42                  | 0.00                 | 4.41                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | 7.83              |          |



**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1992 Through July 2004**  
**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 |
|---|----------------------|-----------------------|----------------------|-------------------------------|----------------------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------------|-------------------|----------|
| <b>MW-7 continued</b>                           |                      |                       |                      |                               |                            |              |                   |                |                |                      |                      |                   |                   |          |
| 7/17/2001                                       | 8.83                 | 5.06                  | 0.00                 | 3.77                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |
| 10/1/2001                                       | 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              |          |
| 1/31/2002                                       | 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            |          |
| 4/18/2002                                       | 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               |          |
| 7/28/2002                                       | 8.83                 | 3.59                  | 0.00                 | 5.24                          | 0.44                       | ND<50        | --                | ND<0.50        | ND<0.50        | ND<0.50              | ND<1                 | --                | 3.9               |          |
| 10/9/2002                                       | 8.83                 | 4.53                  | 0.00                 | 4.30                          | -0.94                      | ND<50        | --                | ND<0.50        | ND<0.50        | ND<0.50              | ND<1                 | --                | 3.9               |          |
| 1/3/2003  | 8.83                 | 3.36                  | 0.00                 | 5.47                          | --                         | ND<50        | --                | ND<0.50        | ND<0.50        | ND<0.50              | ND<1                 | --                | ND<2              |          |
| 4/1/2003  | 8.83                 | 3.94                  | 0.00                 | 4.89                          | -0.58                      | 71           | --                | ND<0.50        | ND<0.50        | 0.71                 | ND<1                 | --                | 3.4               |          |
| 7/1/2003  | 8.83                 | 4.60                  | 0.00                 | 4.23                          | -0.66                      | 64           | --                | ND<0.50        | ND<0.50        | 0.77                 | 2.0                  | --                | 35                |          |
| 10/2/2003                                       | 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               |          |
| 1/9/2004  | 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               |          |
| 4/26/2004                                       | 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               |          |
| 7/22/2004                                       | 8.83                 | 4.93                  | 0.00                 | 3.90                          | -0.44                      | --           | 82                | 0.90           | 2.0            | 3.5                  | 9.9                  | --                | 1.4               |          |
| <b>MW-8 (Screen Interval in feet: 3.0-15.0)</b> |                      |                       |                      |                               |                            |              |                   |                |                |                      |                      |                   |                   |          |
| 5/27/1997                                       | 8.52                 | 3.42                  | 0.00                 | 5.10                          | --                         | 310          | --                | 0.88           | 0.67           | 15                   | 70                   | --                | ND                |          |
| 6/1/1997  | 8.52                 | 3.46                  | 0.00                 | 5.06                          | -0.04                      | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 7/15/1997                                       | 8.52                 | 3.49                  | 0.00                 | 5.03                          | --                         | ND           | --                | ND             | ND             | 2.7                  | 3.8                  | --                | ND                |          |
| 10/9/1997                                       | 8.52                 | 3.73                  | 0.00                 | 4.79                          | --                         | 590          | --                | 1.4            | ND             | 32                   | 4.1                  | --                | ND                |          |
| 1/14/1998                                       | 8.52                 | 1.92                  | 0.00                 | 6.60                          | 1.81                       | ND           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |
| 4/1/1998  | 8.52                 | 2.38                  | 0.00                 | 6.14                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | 4.7               |          |
| 7/15/1998                                       | 8.52                 | 3.53                  | 0.00                 | 4.99                          | --                         | ND           | --                | ND             | ND             | 0.56                 | 1.1                  | --                | ND                |          |
| 10/16/1998                                      | 8.52                 | 3.04                  | 0.00                 | 5.48                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |
| 1/25/1999                                       | 8.52                 | 2.92                  | 0.00                 | 5.60                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |
| 4/15/1999                                       | 8.52                 | 2.40                  | 0.00                 | 6.12                          | --                         | ND           | --                | ND             | ND             | ND                   | ND                   | --                | ND                |          |

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1992 Through July 2004**  
**76 Station 5043**

| Date Sampled                                    | TOC Elevation<br>(feet) | Depth to Water<br>(feet) | LPH Thickness<br>(feet) | Ground-water Elevation<br>(feet) | Change in Elevation<br>(feet) | TPH-G<br>(µg/l) | TPPH 8260B<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethyl-benzene<br>(µg/l) | Total Xylenes<br>(µg/l) | MTBE 8021B<br>(µg/l) | MTBE 8260B<br>(µg/l) | Comments |
|---|-------------------------|--------------------------|-------------------------|----------------------------------|-------------------------------|-----------------|----------------------|-------------------|-------------------|-------------------------|-------------------------|----------------------|----------------------|----------|
| <b>MW-8 continued</b>                           |                         |                          |                         |                                  |                               |                 |                      |                   |                   |                         |                         |                      |                      |          |
| 7/14/1999                                       | 8.52                    | 3.03                     | 0.00                    | 5.49                             | --                            | ND              | --                   | ND                | ND                | ND                      | ND                      | --                   | ND                   |          |
| 10/21/1999                                      | 8.52                    | 3.11                     | 0.00                    | 5.41                             | --                            | ND              | --                   | ND                | ND                | ND                      | ND                      | --                   | ND                   |          |
| 1/20/2000                                       | 8.52                    | 3.06                     | 0.00                    | 5.46                             | --                            | ND              | --                   | ND                | ND                | ND                      | ND                      | --                   | ND                   |          |
| 4/13/2000                                       | 8.52                    | 2.84                     | 0.00                    | 5.68                             | --                            | ND              | --                   | ND                | ND                | ND                      | ND                      | --                   | ND                   |          |
| 7/14/2000                                       | 8.52                    | 3.39                     | 0.00                    | 5.13                             | --                            | ND              | --                   | ND                | ND                | ND                      | ND                      | --                   | ND                   |          |
| 7/17/2001                                       | 8.52                    | 3.46                     | 0.00                    | 5.06                             | --                            | ND              | --                   | ND                | ND                | ND                      | ND                      | --                   | ND                   |          |
| 10/1/2001                                       | 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                 |          |
| 1/31/2002                                       | 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               |          |
| 4/18/2002                                       | 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               |          |
| 7/28/2002                                       | 8.52                    | 2.41                     | 0.00                    | 6.11                             | 0.57                          | ND<50           | --                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1                    | --                   | ND<2                 |          |
| 10/9/2002                                       | 8.52                    | 2.09                     | 0.00                    | 6.43                             | 0.32                          | ND<50           | --                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1                    | --                   | ND<2                 |          |
| 1/2/2003  | 8.52                    | 1.98                     | 0.00                    | 6.54                             | 0.11                          | ND<50           | --                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1                    | --                   | ND<2                 |          |
| 4/1/2003  | 8.52                    | 2.66                     | 0.00                    | 5.86                             | --                            | ND<50           | --                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1                    | --                   | ND<2                 |          |
| 7/1/2003  | 8.52                    | 3.08                     | 0.00                    | 5.44                             | -0.42                         | ND<50           | --                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1                    | --                   | ND<2                 |          |
| 10/2/2003                                       | 8.52                    | 3.89                     | 0.00                    | 4.63                             | -0.81                         | --              | 540                  | 3.9               | 15                | 29                      | 80                      | --                   | ND<2.0               |          |
| 1/9/2004  | 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               |          |
| 4/26/2004                                       | 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              |          |
| 7/22/2004                                       | 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               |          |
| <b>MW-9 (Screen Interval in feet: 3.0-13.0)</b> |                         |                          |                         |                                  |                               |                 |                      |                   |                   |                         |                         |                      |                      |          |
| 2/21/1995                                       | 8.29                    | 1.98                     | 0.00                    | 6.31                             | --                            | 70              | --                   | ND                | ND                | ND                      | ND                      | --                   | --                   |          |
| 5/18/1995                                       | 8.29                    | 3.47                     | 0.00                    | 4.82                             | -1.49                         | 52              | --                   | ND                | 1.1               | ND                      | 1.9                     | --                   | --                   |          |
| 8/17/1995                                       | 8.29                    | 1.49                     | 0.00                    | 6.80                             | 1.98                          | ND              | --                   | ND                | ND                | ND                      | ND                      | --                   | --                   |          |
| 7/26/1996                                       | 8.29                    | 0.28                     | 0.00                    | 8.01                             | 1.21                          | ND              | --                   | ND                | ND                | ND                      | ND                      | --                   | ND                   |          |
| 10/28/1996                                      | 8.29                    | 1.15                     | 0.00                    | 7.14                             | -0.87                         | ND              | --                   | ND                | ND                | ND                      | ND                      | --                   | 7.6                  |          |

Table 2  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
 February 1992 Through July 2004  
 76 Station 5043

| Date<br>Sampled | TOC<br>Elevation<br>(feet) | Depth to<br>Water<br>(feet) | LPH<br>Thickness<br>(feet) | Ground-<br>water<br>Elevation<br>(feet) | Change<br>in<br>Elevation<br>(feet) | TPH-G<br>(µg/l) | TPPH<br>8260B<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethyl-<br>benzene<br>(µg/l) | Total<br>Xylenes<br>(µg/l) | MTBE<br>8021B<br>(µg/l) | MTBE<br>8260B<br>(µg/l) | Comments |
|-----------------|----------------------------|-----------------------------|----------------------------|---|-------------------------------------|-----------------|-------------------------|-------------------|-------------------|-----------------------------|----------------------------|-------------------------|-------------------------|----------|
| MW-9 continued  |                            |                             |                            |   |                                     |                 |                         |                   |                   |                             |                            |                         |                         |          |
| 1/29/1997       | 8.29                       | 1.05                        | 0.00                       | 7.24                                    | --                                  | ND              | --                      | ND                | ND                | ND                          | ND                         | --                      | 5.4                     |          |
| 4/15/1997       | 8.29                       | 1.88                        | 0.00                       | 6.41                                    | --                                  | ND              | --                      | ND                | ND                | ND                          | ND                         | --                      | 5.4                     |          |
| 5/27/1997       | 8.29                       | 1.05                        | 0.00                       | 7.24                                    | --                                  | --              | --                      | --                | --                | --                          | --                         | --                      | --                      |          |
| 7/15/1997       | 8.29                       | 1.90                        | 0.00                       | 6.39                                    | --                                  | ND              | --                      | ND                | ND                | ND                          | ND                         | --                      | ND                      |          |
| 10/9/1997       | 8.29                       | 1.76                        | 0.00                       | 6.53                                    | --                                  | ND              | --                      | ND                | ND                | ND                          | ND                         | --                      | ND                      |          |
| 1/14/1998       | 8.29                       | 1.26                        | 0.00                       | 7.03                                    | 0.50                                | ND              | --                      | ND                | ND                | ND                          | ND                         | --                      | 3                       |          |
| 4/1/1998        | 8.29                       | 0.85                        | 0.00                       | 7.44                                    | --                                  | ND              | --                      | ND                | ND                | ND                          | ND                         | --                      | ND                      |          |
| 7/15/1998       | 8.29                       | 1.52                        | 0.00                       | 6.77                                    | --                                  | ND              | --                      | ND                | ND                | ND                          | ND                         | --                      | ND                      |          |
| 10/16/1998      | 8.29                       | 0.81                        | 0.00                       | 7.48                                    | --                                  | ND              | --                      | ND                | ND                | ND                          | ND                         | --                      | ND                      |          |
| 1/25/1999       | 8.29                       | 0.92                        | 0.00                       | 7.37                                    | --                                  | ND              | --                      | ND                | ND                | ND                          | ND                         | --                      | ND                      |          |
| 4/15/1999       | 8.29                       | 0.90                        | 0.00                       | 7.39                                    | --                                  | 75              | --                      | 21                | ND                | ND                          | 1.1                        | --                      | 680                     |          |
| 7/14/1999       | 8.29                       | 1.04                        | 0.00                       | 7.25                                    | --                                  | ND              | --                      | 1.9               | ND                | ND                          | ND                         | --                      | 260                     |          |
| 10/21/1999      | 8.29                       | 1.23                        | 0.00                       | 7.06                                    | --                                  | ND              | --                      | ND                | ND                | ND                          | ND                         | --                      | 170                     |          |
| 1/20/2000       | 8.29                       | 1.18                        | 0.00                       | 7.11                                    | --                                  | ND              | --                      | 1.1               | ND                | ND                          | ND                         | --                      | 35                      |          |
| 4/13/2000       | 8.29                       | 1.08                        | 0.00                       | 7.21                                    | --                                  | 160             | --                      | 0.64              | ND                | ND                          | ND                         | --                      | 53                      |          |
| 7/14/2000       | 8.29                       | 1.43                        | 0.00                       | 6.86                                    | --                                  | ND              | --                      | ND                | ND                | ND                          | ND                         | --                      | 20.2                    |          |
| 10/26/2000      | 8.29                       | 1.38                        | 0.00                       | 6.91                                    | --                                  | 240             | --                      | 2.9               | ND                | ND                          | ND                         | --                      | 56                      |          |
| 1/3/2001        | 8.29                       | 1.66                        | 0.00                       | 6.63                                    | -0.28                               | 166             | --                      | 0.763             | 0.776             | ND                          | 1.28                       | --                      | 50.2                    |          |
| 4/4/2001        | 8.29                       | --                          | --                         | --                                      | --                                  | 296             | --                      | 0.738             | ND                | ND                          | 0.907                      | --                      | 135                     |          |
| 7/17/2001       | 8.29                       | --                          | --                         | --                                      | --                                  | ND              | --                      | ND                | ND                | ND                          | ND                         | --                      | 13                      |          |
| 10/1/2001       | 8.29                       | --                          | --                         | --                                      | --                                  | 51              | --                      | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | --                      | 5.0                     |          |
| 1/31/2002       | 8.29                       | --                          | --                         | --                                      | --                                  | ND<50           | --                      | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | --                      | 5.8                     |          |
| 4/18/2002       | 8.29                       | 1.76                        | 0.00                       | 6.53                                    | --                                  | ND<50           | --                      | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | --                      | 5.1                     |          |
| 7/28/2002       | 8.29                       | 1.57                        | 0.00                       | 6.72                                    | 0.19                                | ND<50           | --                      | ND<0.50           | ND<0.50           | ND<0.50                     | ND<1                       | --                      | 3.5                     |          |

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1992 Through July 2004**  
**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 |
|--|----------------------|-----------------------|----------------------|-------------------------------|----------------------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------------|-------------------|----------|
| <b>MW-9 continued</b>                            |                      |                       |                      |                               |                            |              |                   |                |                |                      |                      |                   |                   |          |
| 10/9/2002  | 8.29                 | 1.45                  | 0.00                 | 6.84                          | 0.12                       | ND<50        | --                | ND<0.50        | ND<0.50        | ND<0.50              | ND<1                 | --                | 17                |          |
| 1/2/2003   | 8.29                 | 1.18                  | 0.00                 | 7.11                          | 0.27                       | ND<50        | --                | ND<0.50        | ND<0.50        | ND<0.50              | ND<1                 | --                | 8.6               |          |
| 4/1/2003   | 8.29                 | 2.04                  | 0.00                 | 6.25                          | --                         | ND<50        | --                | ND<0.50        | ND<0.50        | ND<0.50              | ND<1                 | --                | 9.4               |          |
| 7/1/2003   | 8.29                 | 2.80                  | 0.00                 | 5.49                          | -0.76                      | ND<50        | --                | ND<0.50        | ND<0.50        | ND<0.50              | ND<1                 | --                | 3.2               |          |
| 10/2/2003  | 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            |          |
| 1/9/2004   | 8.29                 | 1.90                  | 0.00                 | 6.39                          | 0.80                       | --           | 74                | ND<0.50        | 0.98           | 2.3                  | 6.2                  | --                | ND<2.0            |          |
| 4/26/2004  | 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              |          |
| 7/22/2004  | 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              |          |
| <b>MW-10 (Screen Interval in feet: 3.0-13.0)</b> |                      |                       |                      |                               |                            |              |                   |                |                |                      |                      |                   |                   |          |
| 2/21/1995  | 8.62                 | 4.69                  | 0.00                 | 3.93                          | --                         | 1500         | --                | 250            | 26             | 9.1                  | 160                  | --                | --                |          |
| 5/18/1995  | 8.62                 | 4.92                  | 0.00                 | 3.70                          | -0.23                      | 810          | --                | 520            | ND             | 18                   | 23                   | --                | --                |          |
| 8/17/1995  | 8.62                 | 4.05                  | 0.00                 | 4.57                          | 0.87                       | 67           | --                | 25             | ND             | 2.4                  | ND                   | --                | --                |          |
| 7/26/1996  | 8.62                 | 4.08                  | 0.00                 | 4.54                          | -0.03                      | ND           | --                | 3.7            | ND             | ND                   | ND                   | --                | ND                |          |
| 10/28/1996                                       | 8.62                 | 4.09                  | 0.00                 | 4.53                          | -0.01                      | ND           | --                | 1.1            | ND             | ND                   | ND                   | --                | ND                |          |
| 1/29/1997  | 8.62                 | 2.94                  | 0.00                 | 5.68                          | --                         | 210          | --                | 41             | 0.67           | 7.2                  | 4.8                  | --                | 11                |          |
| 4/15/1997  | 8.62                 | 4.07                  | 0.00                 | 4.55                          | --                         | 110          | --                | 12             | ND             | 0.77                 | ND                   | --                | 9.7               |          |
| 5/27/1997  | 8.62                 | 4.40                  | 0.00                 | 4.22                          | --                         | --           | --                | --             | --             | --                   | --                   | --                | --                |          |
| 7/15/1997  | 8.62                 | 4.19                  | 0.00                 | 4.43                          | --                         | ND           | --                | 2.1            | ND             | 0.67                 | 0.73                 | --                | ND                |          |
| 10/9/1997  | 8.62                 | 4.75                  | 0.00                 | 3.87                          | --                         | 190          | --                | 38             | 0.92           | 6.6                  | 7.6                  | --                | ND                |          |
| 1/14/1998  | 8.62                 | 2.66                  | 0.00                 | 5.96                          | 2.09                       | 59           | --                | 9.5            | 0.85           | 1.2                  | 1.7                  | --                | 4.5               |          |
| 4/1/1998   | 8.62                 | 3.45                  | 0.00                 | 5.17                          | --                         | 230          | --                | 66             | 1.7            | 12                   | 17                   | --                | 6.4               |          |
| 7/15/1998  | 8.62                 | 4.21                  | 0.00                 | 4.41                          | --                         | 290          | --                | 98             | 45             | 21                   | 38                   | --                | 21                |          |
| 10/16/1998                                       | 8.62                 | 4.11                  | 0.00                 | 4.51                          | --                         | 160          | --                | 44             | 0.96           | 2.5                  | 10                   | --                | 17                |          |
| 1/25/1999  | 8.62                 | 3.26                  | 0.00                 | 5.36                          | --                         | 140          | --                | 27             | ND             | 2.8                  | 6.8                  | --                | 23                |          |

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1992 Through July 2004**  
**76 Station 5043**

| Date Sampled    | TOC Elevation<br>(feet) | Depth to Water<br>(feet) | LPH Thickness<br>(feet) | Ground-water Elevation<br>(feet) | Change in Elevation<br>(feet) | TPH-G<br>(µg/l) | TPPH 8260B<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethyl-benzene<br>(µg/l) | Total Xylenes<br>(µg/l) | MTBE 8021B<br>(µg/l) | MTBE 8260B<br>(µg/l) | Comments |
|-----------------|-------------------------|--------------------------|-------------------------|----------------------------------|-------------------------------|-----------------|----------------------|-------------------|-------------------|-------------------------|-------------------------|----------------------|----------------------|----------|
| MW-10 continued |                         |                          |                         |                                  |                               |                 |                      |                   |                   |                         |                         |                      |                      |          |
| 4/15/1999       | 8.62                    | 3.63                     | 0.00                    | 4.99                             | --                            | 120             | --                   | 18                | ND                | 1.8                     | 5.1                     | --                   | 14                   |          |
| 7/14/1999       | 8.62                    | 3.89                     | 0.00                    | 4.73                             | --                            | 280             | --                   | 55                | 3.2               | 11                      | 31                      | --                   | 6.1                  |          |
| 10/21/1999      | 8.62                    | 4.09                     | 0.00                    | 4.53                             | --                            | 140             | --                   | 22                | 0.59              | 1.7                     | 7.7                     | --                   | 5.3                  |          |
| 1/20/2000       | 8.62                    | 3.92                     | 0.00                    | 4.70                             | --                            | ND              | --                   | 0.73              | 0.86              | ND                      | ND                      | --                   | 5.2                  |          |
| 4/13/2000       | 8.62                    | 3.85                     | 0.00                    | 4.77                             | --                            | 67              | --                   | 54                | ND                | 2.6                     | ND                      | --                   | 3.8                  |          |
| 7/14/2000       | 8.62                    | 4.18                     | 0.00                    | 4.44                             | --                            | ND              | --                   | 0.547             | ND                | ND                      | ND                      | --                   | ND                   |          |
| 10/26/2000      | 8.62                    | 3.96                     | 0.00                    | 4.66                             | --                            | ND              | --                   | 3.3               | ND                | 0.83                    | 1.5                     | --                   | ND                   |          |
| 1/3/2001        | 8.62                    | 4.14                     | 0.00                    | 4.48                             | -0.18                         | 52.7            | --                   | 5.15              | ND                | 0.823                   | 1.57                    | --                   | ND                   |          |
| 4/4/2001        | 8.62                    | --                       | --                      | --                               | --                            | 129             | --                   | 28.1              | 1.67              | 4.97                    | 10.1                    | --                   | ND                   |          |
| 7/17/2001       | 8.62                    | --                       | --                      | --                               | --                            | ND              | --                   | 4.1               | ND                | 1.0                     | 1.8                     | --                   | ND                   |          |
| 10/1/2001       | 8.62                    | --                       | --                      | --                               | --                            | 140             | --                   | 30                | 0.51              | 4.0                     | 12                      | --                   | ND<5                 |          |
| 1/31/2002       | 8.62                    | --                       | --                      | --                               | --                            | 110             | --                   | 16                | ND<0.50           | 2.3                     | 5.6                     | --                   | ND<2.5               |          |
| 4/18/2002       | 8.62                    | 4.01                     | 0.00                    | 4.61                             | --                            | ND<50           | --                   | 11                | ND<0.50           | 1.4                     | 4.5                     | --                   | ND<2.5               |          |
| 7/28/2002       | 8.62                    | 4.11                     | 0.00                    | 4.51                             | -0.10                         | 67              | --                   | 15                | ND<0.50           | 0.94                    | 7.3                     | --                   | ND<2                 |          |
| 10/9/2002       | 8.62                    | 3.97                     | 0.00                    | 4.65                             | 0.14                          | ND<50           | --                   | 0.67              | ND<0.50           | ND<0.50                 | ND<1                    | --                   | ND<2                 |          |
| 1/2/2003        | 8.62                    | 3.03                     | 0.00                    | 5.59                             | 0.94                          | ND<50           | --                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1                    | --                   | ND<2                 |          |
| 4/1/2003        | 8.62                    | 3.83                     | 0.00                    | 4.79                             | --                            | ND<50           | --                   | 11                | ND<0.50           | ND<0.50                 | ND<1                    | --                   | ND<2                 |          |
| 7/1/2003        | 8.62                    | 4.13                     | 0.00                    | 4.49                             | -0.30                         | ND<50           | --                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1                    | --                   | ND<2                 |          |
| 10/2/2003       | 8.62                    | 4.05                     | 0.00                    | 4.57                             | 0.08                          | --              | 77                   | 9.9               | 0.78              | 2.3                     | 4.9                     | --                   | ND<2.0               |          |
| 1/9/2004        | 8.62                    | 3.40                     | 0.00                    | 5.22                             | 0.65                          | --              | 53                   | 1.2               | ND<0.50           | 0.70                    | 1.6                     | --                   | ND<2.0               |          |
| 4/26/2004       | 8.62                    | 3.89                     | 0.00                    | 4.73                             | -0.49                         | --              | ND<50                | 2.8               | 1.3               | 1.0                     | 2.9                     | --                   | ND<0.50              |          |
| 7/22/2004       | 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               |          |

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

| Date Sampled | TPH-D<br>(µg/l) | EDC<br>(µg/l) | EDB<br>(µg/l) | TAME<br>8260B<br>(µg/l) | TBA<br>8260B<br>(µg/l) | DIPE<br>8260B<br>(µg/l) | ETBE<br>8260B<br>(µg/l) | Ethanol<br>8260B<br>(µg/l) |
|--------------|-----------------|---------------|---------------|-------------------------|------------------------|-------------------------|-------------------------|----------------------------|
| <b>MW-1</b>  |                 |               |               |                         |                        |                         |                         |                            |
| 2/18/1992    | 13000           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 8/31/1992    | 8900            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| <b>MW-2</b>  |                 |               |               |                         |                        |                         |                         |                            |
| 2/18/1992    | 4300            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 5/20/1992    | 4300            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 8/31/1992    | 1600            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 11/30/1992   | 5700            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 2/4/1993     | 6100            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 5/4/1993     | 7100            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 8/4/1993     | 1800            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 11/3/1993    | 2600            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 5/19/1994    | 3000            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 8/15/1994    | 2800            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 11/14/1994   | 10000           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 2/21/1995    | 2000            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| <b>MW-3</b>  |                 |               |               |                         |                        |                         |                         |                            |
| 2/18/1992    | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 8/31/1992    | 92              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 11/30/1992   | 94              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 2/4/1993     | 550             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 5/4/1993     | 250             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 8/4/1993     | 100             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 11/3/1993    | 160             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 2/7/1994     | 620             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 5/19/1994    | 480             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 8/15/1994    | 110             | --            | --            | --                      | --                     | --                      | --                      | --                         |

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

| Date Sampled   | TPH-D<br>(µg/l) | EDC<br>(µg/l) | EDB<br>(µg/l) | TAME<br>8260B<br>(µg/l) | TBA<br>8260B<br>(µg/l) | DIPE<br>8260B<br>(µg/l) | ETBE<br>8260B<br>(µg/l) | Ethanol<br>8260B<br>(µg/l) |
|----------------|-----------------|---------------|---------------|-------------------------|------------------------|-------------------------|-------------------------|----------------------------|
| MW-3 continued |                 |               |               |                         |                        |                         |                         |                            |
| 11/14/1994     | 150             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 2/21/1995      | 850             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 5/18/1995      | 150             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 6/1/1997       | 610             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/15/1997      | 240             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/9/1997      | 500             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/14/1998      | 340             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/1/1998       | 320             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/15/1998      | 510             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/16/1998     | 67              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/25/1999      | 120             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/15/1999      | 170             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/14/1999      | 420             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/21/1999     | 350             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/20/2000      | 2060            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/13/2000      | 200             | ND            | ND            | ND                      | ND                     | ND                      | ND                      | ND                         |
| 7/14/2000      | 423             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/3/2001       | 287             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/4/2001       | 360             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/17/2001      | 270             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/1/2001      | 270             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/31/2002      | 250             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/18/2002      | 320             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/28/2002      | 310             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/9/2002      | 700             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/2/2003       | 210             | ND<2          | ND<2          | ND<2                    | ND<100                 | ND<2                    | ND<2                    | ND<500                     |

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

| Date Sampled          | TPH-D<br>(µg/l) | EDC<br>(µg/l) | EDB<br>(µg/l) | TAME<br>8260B<br>(µg/l) | TBA<br>8260B<br>(µg/l) | DIPE<br>8260B<br>(µg/l) | ETBE<br>8260B<br>(µg/l) | Ethanol<br>8260B<br>(µg/l) |
|-----------------------|-----------------|---------------|---------------|-------------------------|------------------------|-------------------------|-------------------------|----------------------------|
| <b>MW-3 continued</b> |                 |               |               |                         |                        |                         |                         |                            |
| 4/1/2003              | 200             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/1/2003              | 380             | --            | --            | --                      | --                     | --                      | --                      | ND<2500                    |
| 10/2/2003             | 300             | --            | --            | --                      | --                     | --                      | --                      | ND<2500                    |
| 1/9/2004              | 200             | --            | --            | --                      | --                     | --                      | --                      | ND<500                     |
| 4/26/2004             | 160             | --            | --            | --                      | --                     | --                      | --                      | ND<50                      |
| 7/22/2004             | 330             | --            | --            | --                      | --                     | --                      | --                      | ND<1000                    |
| <b>MW-4</b>           |                 |               |               |                         |                        |                         |                         |                            |
| 8/31/1992             | 90              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 11/30/1992            | 61              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 2/4/1993              | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 5/4/1993              | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 8/4/1993              | 81              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 11/3/1993             | 68              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 2/7/1994              | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 5/19/1994             | 90              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 8/15/1994             | 72              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 11/14/1994            | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| <b>MW-5</b>           |                 |               |               |                         |                        |                         |                         |                            |
| 8/31/1992             | 690             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 11/30/1992            | 470             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 2/4/1993              | 5500            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 5/4/1993              | 4600            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 8/4/1993              | 970             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 11/3/1993             | 2100            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 2/7/1994              | 830             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 5/19/1994             | 600             | --            | --            | --                      | --                     | --                      | --                      | --                         |



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

| Date Sampled   | TPH-D<br>(µg/l) | EDC<br>(µg/l) | EDB<br>(µg/l) | TAME<br>8260B<br>(µg/l) | TBA<br>8260B<br>(µg/l) | DIPE<br>8260B<br>(µg/l) | ETBE<br>8260B<br>(µg/l) | Ethanol<br>8260B<br>(µg/l) |
|----------------|-----------------|---------------|---------------|-------------------------|------------------------|-------------------------|-------------------------|----------------------------|
| MW-5 continued |                 |               |               |                         |                        |                         |                         |                            |
| 8/15/1994      | 860             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 11/14/1994     | 290             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| MW-6           |                 |               |               |                         |                        |                         |                         |                            |
| 8/31/1992      | 750             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 11/30/1992     | 1400            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 2/4/1993       | 890             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 5/4/1993       | 1800            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 8/4/1993       | 1100            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 11/3/1993      | 390             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 2/7/1994       | 970             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 5/19/1994      | 1400            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 8/15/1994      | 790             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 11/14/1994     | 800             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 2/21/1995      | 730             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/20/2000      | 67600           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/13/2000      | 8700            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/14/2000      | 133000          | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/26/2000     | 61000           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/3/2001       | 929             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/4/2001       | 18000           | ND            | ND            | ND                      | ND                     | ND                      | ND                      | ND                         |
| 7/17/2001      | 20000           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/1/2001      | 24000           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/31/2002      | 11000           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/18/2002      | 3500            | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/28/2002      | 27000           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/9/2002      | 170000          | --            | --            | --                      | --                     | --                      | --                      | --                         |

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

| Date Sampled          | TPH-D<br>(µg/l) | EDC<br>(µg/l) | EDB<br>(µg/l) | TAME<br>8260B<br>(µg/l) | TBA<br>8260B<br>(µg/l) | DIPE<br>8260B<br>(µg/l) | ETBE<br>8260B<br>(µg/l) | Ethanol<br>8260B<br>(µg/l) |
|-----------------------|-----------------|---------------|---------------|-------------------------|------------------------|-------------------------|-------------------------|----------------------------|
| <b>MW-6 continued</b> |                 |               |               |                         |                        |                         |                         |                            |
| 1/2/2003              | 66000           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/1/2003              | 35000           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/1/2003              | 11000           | --            | --            | --                      | --                     | --                      | --                      | ND<25000                   |
| 10/2/2003             | ND<50           | --            | --            | --                      | --                     | --                      | --                      | ND<200000                  |
| 1/9/2004              | 20000           | --            | --            | --                      | --                     | --                      | --                      | ND<50000                   |
| 4/26/2004             | 13000           | --            | --            | --                      | --                     | --                      | --                      | ND<5000                    |
| 7/22/2004             | 33000           | --            | --            | --                      | --                     | --                      | --                      | ND<300000                  |
| <b>MW-7</b>           |                 |               |               |                         |                        |                         |                         |                            |
| 6/1/1997              | 69              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/15/1997             | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/9/1997             | 190             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/14/1998             | 65              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/1/1998              | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/15/1998             | 74              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/16/1998            | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/25/1999             | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/15/1999             | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/14/1999             | 69              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/21/1999            | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/20/2000             | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/13/2000             | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/14/2000             | 68              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/17/2001             | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/1/2001             | ND<51           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/31/2002             | 90              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/18/2002             | 78              | --            | --            | --                      | --                     | --                      | --                      | --                         |

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

| Date Sampled          | TPH-D<br>(µg/l) | EDC<br>(µg/l) | EDB<br>(µg/l) | TAME<br>8260B<br>(µg/l) | TBA<br>8260B<br>(µg/l) | DIPE<br>8260B<br>(µg/l) | ETBE<br>8260B<br>(µg/l) | Ethanol<br>8260B<br>(µg/l) |
|-----------------------|-----------------|---------------|---------------|-------------------------|------------------------|-------------------------|-------------------------|----------------------------|
| <b>MW-7 continued</b> |                 |               |               |                         |                        |                         |                         |                            |
| 7/28/2002             | ND<50           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/9/2002             | ND<96           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/3/2003              | 78              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/1/2003              | 67              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/1/2003              | 68              | --            | --            | --                      | --                     | --                      | --                      | ND<500                     |
| 10/2/2003             | 82              | --            | --            | --                      | --                     | --                      | --                      | ND<500                     |
| 1/9/2004              | 75              | --            | --            | --                      | --                     | --                      | --                      | ND<500                     |
| 4/26/2004             | ND<50           | --            | --            | --                      | --                     | --                      | --                      | ND<50                      |
| 7/22/2004             | ND<200          | --            | --            | --                      | --                     | --                      | --                      | ND<1000                    |
| <b>MW-8</b>           |                 |               |               |                         |                        |                         |                         |                            |
| 5/27/1997             | 320             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 6/1/1997              | 320             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/15/1997             | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/9/1997             | 390             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/14/1998             | 230             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/1/1998              | 510             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/15/1998             | 140             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/16/1998            | 170             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/25/1999             | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/15/1999             | 91              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/14/1999             | 120             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/21/1999            | 110             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/20/2000             | 583             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/13/2000             | 80              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/14/2000             | 113             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/17/2001             | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |

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

| Date Sampled          | TPH-D<br>(µg/l) | EDC<br>(µg/l) | EDB<br>(µg/l) | TAME<br>8260B<br>(µg/l) | TBA<br>8260B<br>(µg/l) | DIPE<br>8260B<br>(µg/l) | ETBE<br>8260B<br>(µg/l) | Ethanol<br>8260B<br>(µg/l) |
|-----------------------|-----------------|---------------|---------------|-------------------------|------------------------|-------------------------|-------------------------|----------------------------|
| <b>MW-8 continued</b> |                 |               |               |                         |                        |                         |                         |                            |
| 10/1/2001             | ND<50           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/31/2002             | 260             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/18/2002             | 160             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/28/2002             | 140             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/9/2002             | 120             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/2/2003              | 210             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/1/2003              | 220             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/1/2003              | 170             | --            | --            | --                      | --                     | --                      | --                      | ND<500                     |
| 10/2/2003             | 350             | --            | --            | --                      | --                     | --                      | --                      | ND<500                     |
| 1/9/2004              | 180             | --            | --            | --                      | --                     | --                      | --                      | ND<500                     |
| 4/26/2004             | 100             | --            | --            | --                      | --                     | --                      | --                      | ND<50                      |
| 7/22/2004             | 250             | --            | --            | --                      | --                     | --                      | --                      | ND<1000                    |
| <b>MW-9</b>           |                 |               |               |                         |                        |                         |                         |                            |
| 2/21/1995             | 71              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 5/18/1995             | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 8/17/1995             | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/26/1996             | 98              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/28/1996            | 99              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/29/1997             | 54              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/15/1997             | 94              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/15/1997             | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/9/1997             | 160             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/14/1998             | 110             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/1/1998              | 110             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/15/1998             | 200             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/16/1998            | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |

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

| Date Sampled          | TPH-D<br>(µg/l) | EDC<br>(µg/l) | EDB<br>(µg/l) | TAME<br>8260B<br>(µg/l) | TBA<br>8260B<br>(µg/l) | DIPE<br>8260B<br>(µg/l) | ETBE<br>8260B<br>(µg/l) | Ethanol<br>8260B<br>(µg/l) |
|-----------------------|-----------------|---------------|---------------|-------------------------|------------------------|-------------------------|-------------------------|----------------------------|
| <b>MW-9 continued</b> |                 |               |               |                         |                        |                         |                         |                            |
| 1/25/1999             | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/15/1999             | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/14/1999             | 140             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/21/1999            | 210             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/20/2000             | 519             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/13/2000             | 81              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/14/2000             | 107             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/26/2000            | 240             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/3/2001              | 164             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/4/2001              | 240             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/17/2001             | ND              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/1/2001             | ND<52           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/31/2002             | 200             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/18/2002             | ND<50           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/28/2002             | ND<50           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 10/9/2002             | 100             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 1/2/2003              | ND<50           | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 4/1/2003              | 56              | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 7/1/2003              | ND<50           | --            | --            | --                      | --                     | --                      | --                      | ND<500                     |
| 10/2/2003             | ND<50           | --            | --            | --                      | --                     | --                      | --                      | ND<500                     |
| 1/9/2004              | 91              | --            | --            | --                      | --                     | --                      | --                      | ND<500                     |
| 4/26/2004             | ND<50           | --            | --            | --                      | --                     | --                      | --                      | ND<50                      |
| 7/22/2004             | ND<200          | --            | --            | --                      | --                     | --                      | --                      | ND<1000                    |
| <b>MW-10</b>          |                 |               |               |                         |                        |                         |                         |                            |
| 2/21/1995             | 270             | --            | --            | --                      | --                     | --                      | --                      | --                         |
| 5/18/1995             | 75              | --            | --            | --                      | --                     | --                      | --                      | --                         |

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

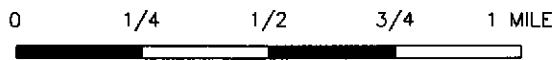
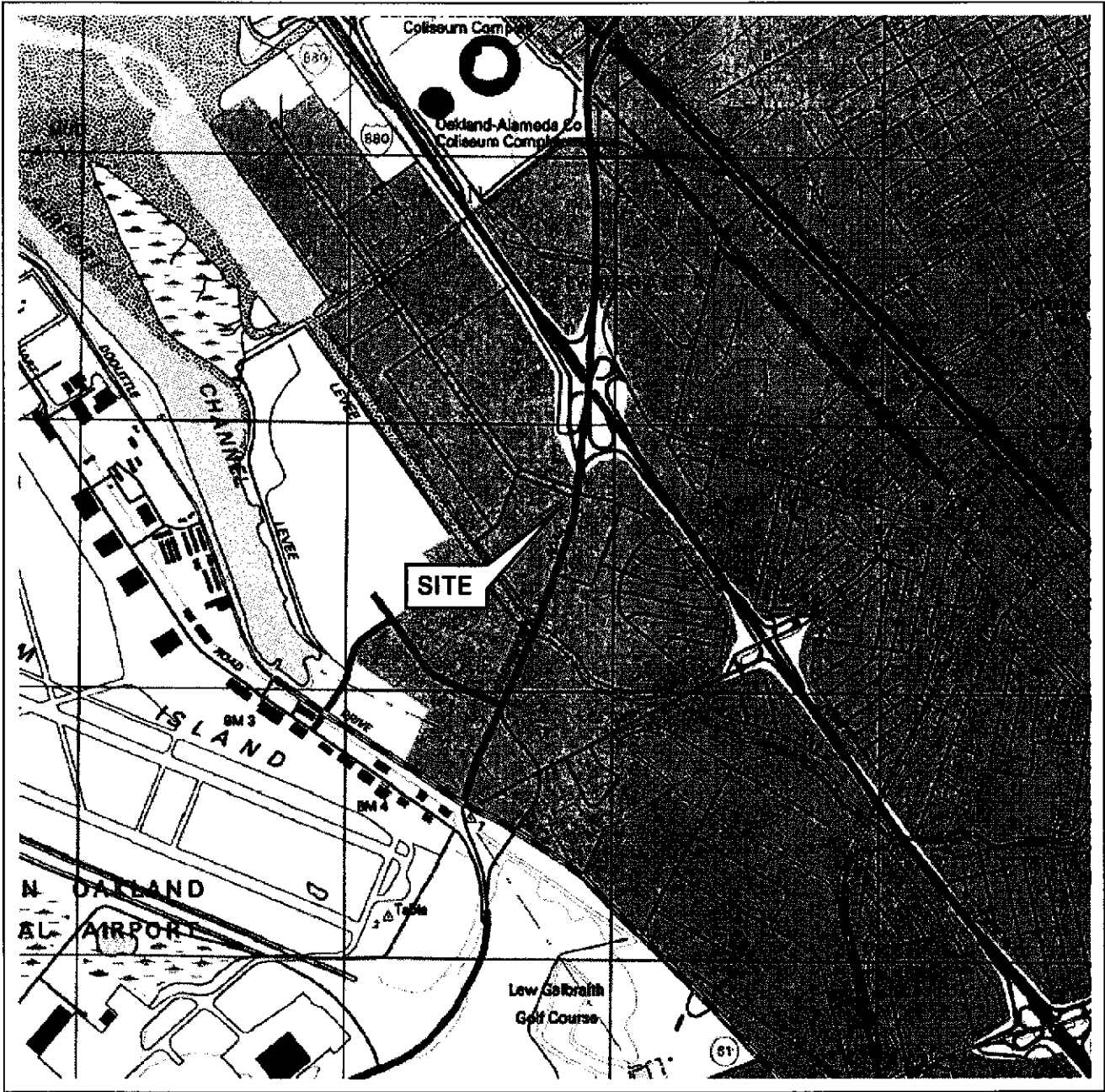
| Date Sampled    | TPH-D  | EDC    | EDB    | TAME<br>8260B | TBA<br>8260B | DIPE<br>8260B | ETBE<br>8260B | Ethanol<br>8260B |
|-----------------|--------|--------|--------|---------------|--------------|---------------|---------------|------------------|
|                 | (µg/l) | (µg/l) | (µg/l) | (µg/l)        | (µg/l)       | (µg/l)        | (µg/l)        | (µg/l)           |
| MW-10 continued |        |        |        |               |              |               |               |                  |
| 8/17/1995       | ND     | --     | --     | --            | --           | --            | --            | --               |
| 7/26/1996       | ND     | --     | --     | --            | --           | --            | --            | --               |
| 10/28/1996      | ND     | --     | --     | --            | --           | --            | --            | --               |
| 1/29/1997       | ND     | --     | --     | --            | --           | --            | --            | --               |
| 4/15/1997       | ND     | --     | --     | --            | --           | --            | --            | --               |
| 7/15/1997       | ND     | --     | --     | --            | --           | --            | --            | --               |
| 10/9/1997       | ND     | --     | --     | --            | --           | --            | --            | --               |
| 4/1/1998        | 62     | --     | --     | --            | --           | --            | --            | --               |
| 7/15/1998       | 78     | --     | --     | --            | --           | --            | --            | --               |
| 10/16/1998      | ND     | --     | --     | --            | --           | --            | --            | --               |
| 1/25/1999       | ND     | --     | --     | --            | --           | --            | --            | --               |
| 4/15/1999       | ND     | --     | --     | --            | --           | --            | --            | --               |
| 7/14/1999       | 180    | --     | --     | --            | --           | --            | --            | --               |
| 10/21/1999      | 96     | --     | --     | --            | --           | --            | --            | --               |
| 1/20/2000       | 252    | --     | --     | --            | --           | --            | --            | --               |
| 4/13/2000       | 69     | --     | --     | --            | --           | --            | --            | --               |
| 7/14/2000       | 149    | --     | --     | --            | --           | --            | --            | --               |
| 10/26/2000      | 83     | --     | --     | --            | --           | --            | --            | --               |
| 1/3/2001        | 126    | --     | --     | --            | --           | --            | --            | --               |
| 4/4/2001        | 75     | --     | --     | --            | --           | --            | --            | --               |
| 7/17/2001       | ND     | --     | --     | --            | --           | --            | --            | --               |
| 10/1/2001       | 100    | --     | --     | --            | --           | --            | --            | --               |
| 1/31/2002       | 170    | --     | --     | --            | --           | --            | --            | --               |
| 4/18/2002       | 130    | --     | --     | --            | --           | --            | --            | --               |
| 7/28/2002       | 58     | --     | --     | --            | --           | --            | --            | --               |
| 10/9/2002       | ND<94  | --     | --     | --            | --           | --            | --            | --               |

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

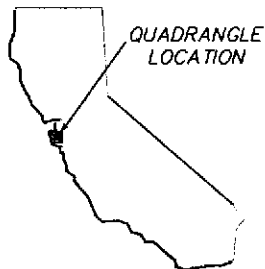
| Date<br>Sampled | TPH-D  | EDC    | EDB    | TAME<br>8260B | TBA<br>8260B | DIPE<br>8260B | ETBE<br>8260B | Ethanol<br>8260B |
|-----------------|--------|--------|--------|---------------|--------------|---------------|---------------|------------------|
|                 | (µg/l) | (µg/l) | (µg/l) | (µg/l)        | (µg/l)       | (µg/l)        | (µg/l)        | (µg/l)           |
| MW-10 continued |        |        |        |               |              |               |               |                  |
| 1/2/2003        | 64     | --     | --     | --            | --           | --            | --            | --               |
| 4/1/2003        | 76     | --     | --     | --            | --           | --            | --            | --               |
| 7/1/2003        | 87     | --     | --     | --            | --           | --            | --            | ND<500           |
| 10/2/2003       | 160    | --     | --     | --            | --           | --            | --            | ND<500           |
| 1/9/2004        | 74     | --     | --     | --            | --           | --            | --            | ND<500           |
| 4/26/2004       | ND<50  | --     | --     | --            | --           | --            | --            | ND<50            |
| 7/22/2004       | ND<200 | --     | --     | --            | --           | --            | --            | ND<1000          |

# FIGURES





SCALE 1:24,000



**VICINITY MAP**

76 Station 5043  
 449 Hegenberger Road  
 Oakland, California

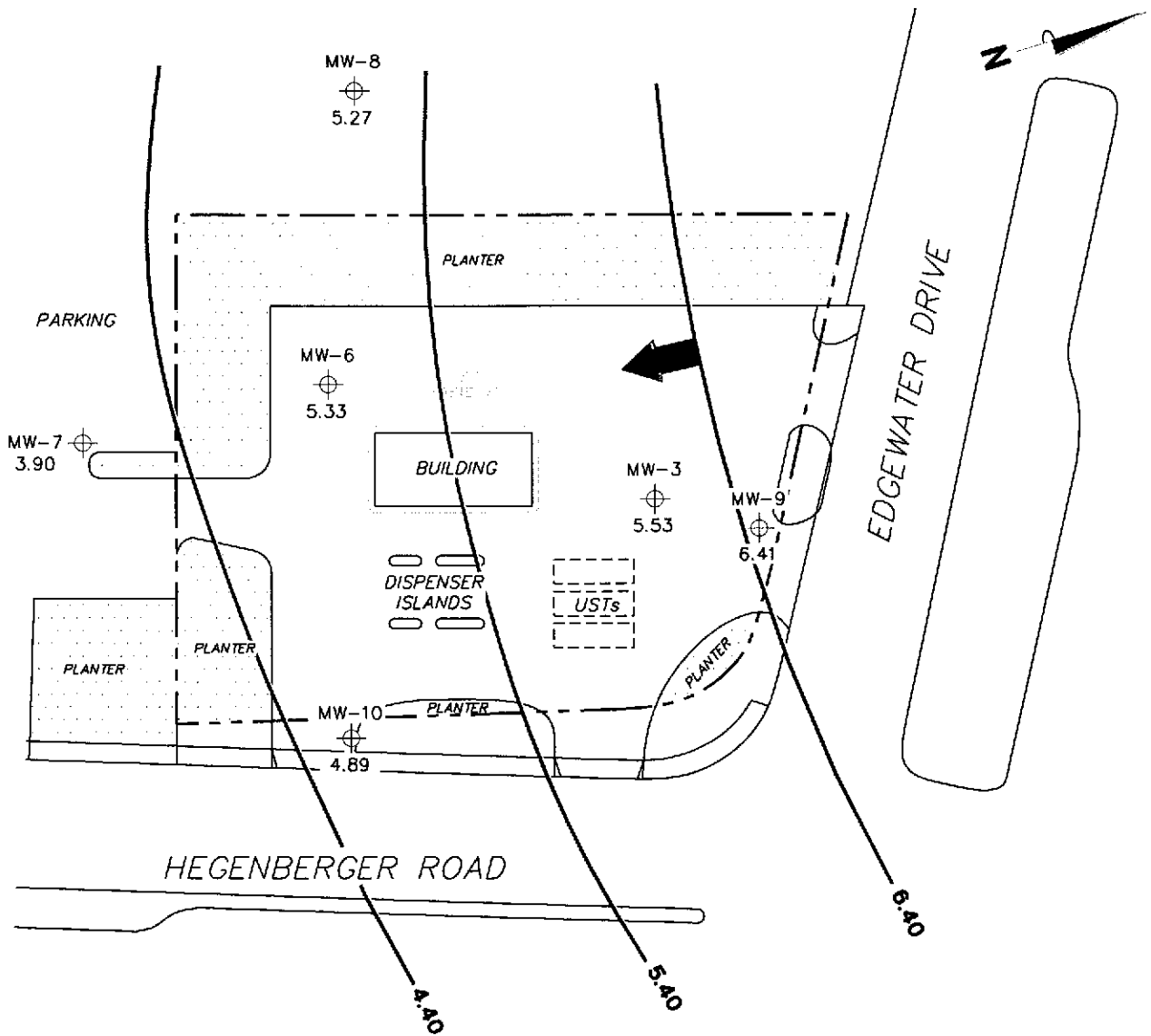
**SOURCE:**

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

**FIGURE 1**

**TRC**


PS = 1:1




**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**

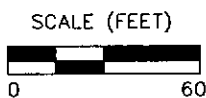
MW-10  Monitoring Well with Groundwater Elevation (feet)

**6.40** — Groundwater Elevation Contour

 General Direction of Groundwater Flow

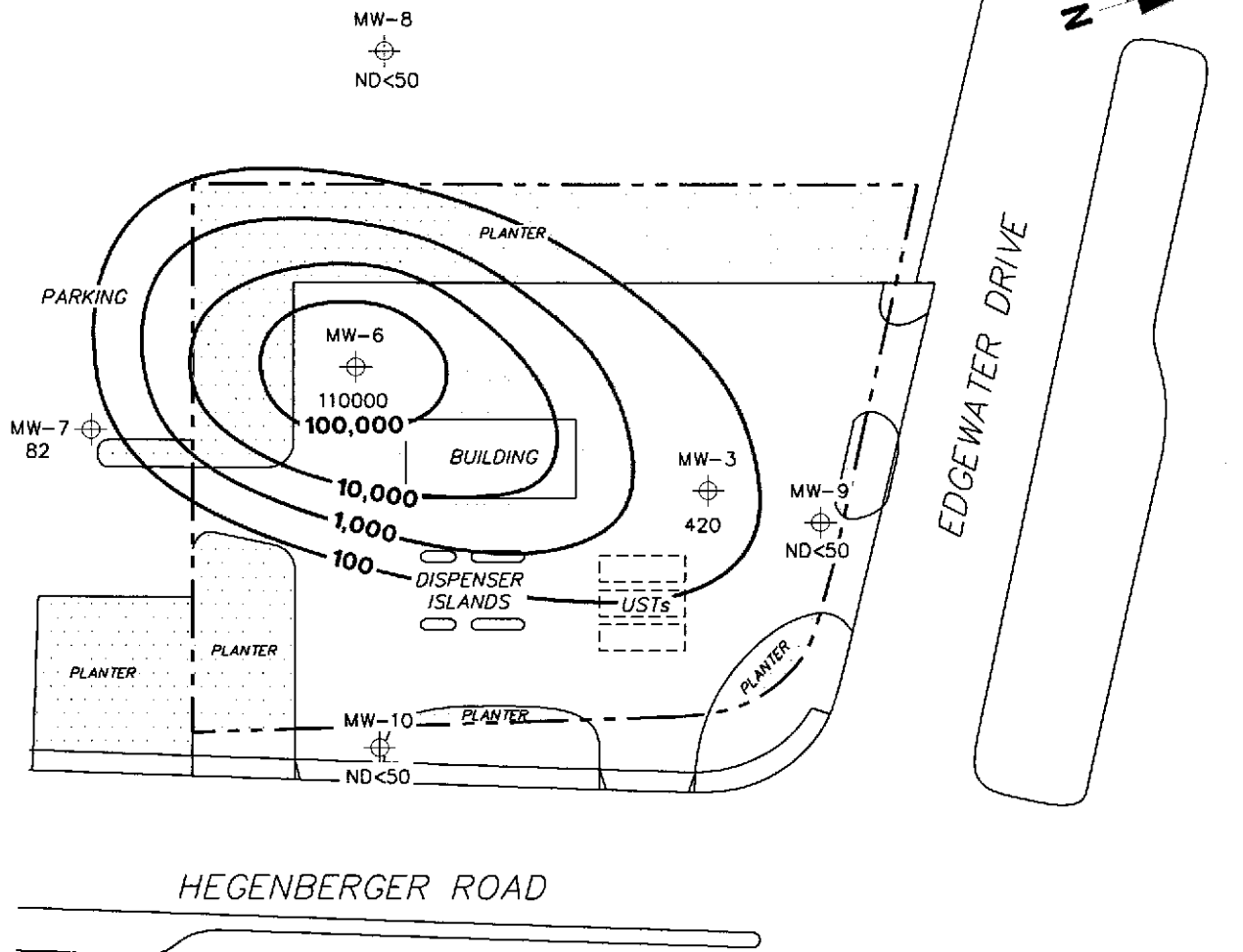
**GROUNDWATER ELEVATION  
CONTOUR MAP  
July 22, 2004**

76 Station 5043  
449 Hegenberger Road  
Oakland, California



**FIGURE 2**


PS=1:1 5043-003

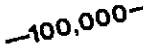


**NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPPH = total purgeable petroleum hydrocarbons.  $\mu\text{g/l}$  = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.

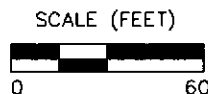
**LEGEND**

MW-10  Monitoring Well with Dissolved-Phase TPPH Concentration ( $\mu\text{g/l}$ )

 -100,000- Dissolved-Phase TPPH Contour ( $\mu\text{g/l}$ )

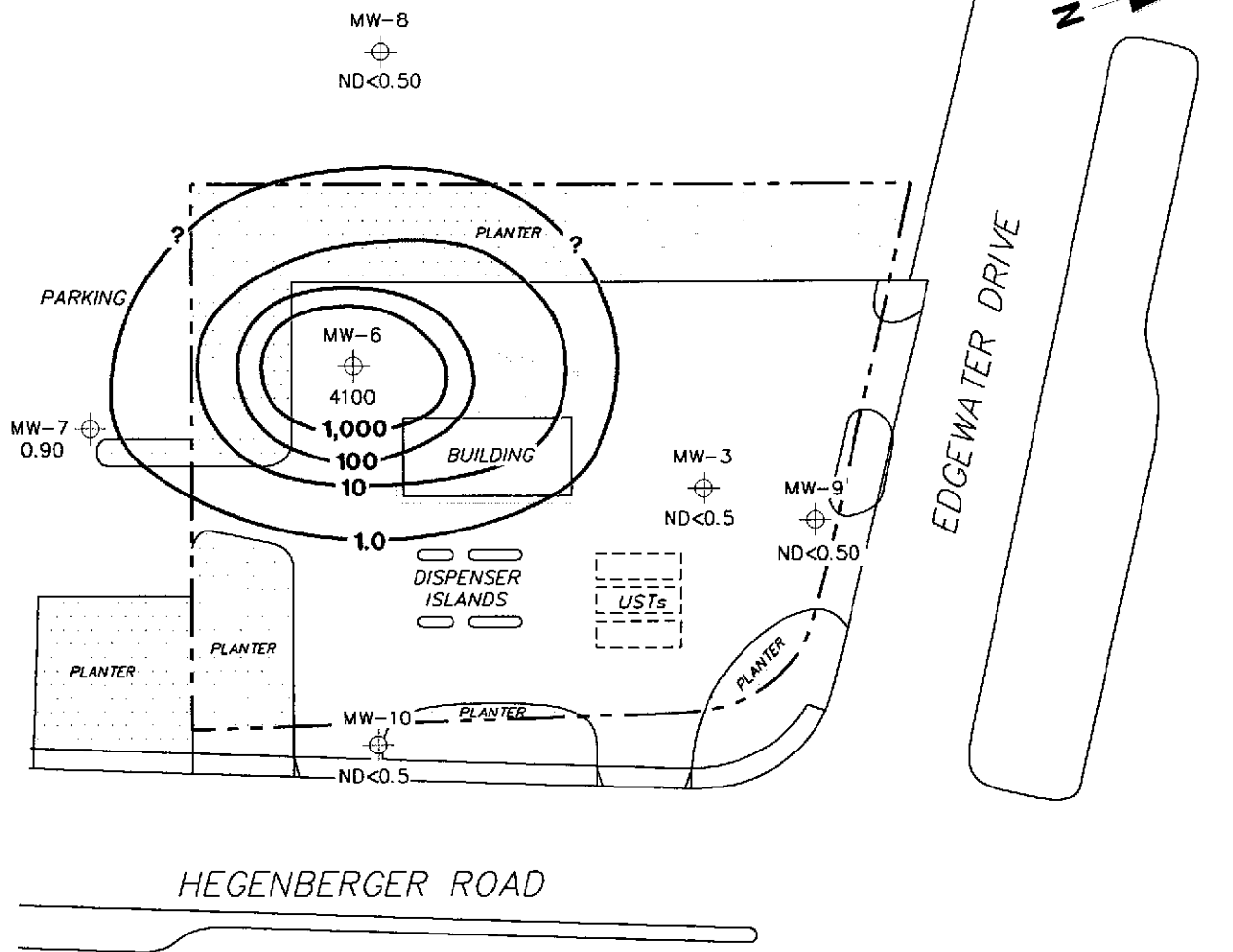
**DISSOLVED-PHASE TPPH  
CONCENTRATION MAP  
July 22, 2004**

76 Station 5043  
449 Hegenberger Road  
Oakland, California



**FIGURE 3**

PS=1:1.5043-003



**NOTES:**

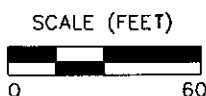
Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank.

**LEGEND**

- MW-10 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)
- 1,000- Dissolved-Phase Benzene Contour (µg/l)

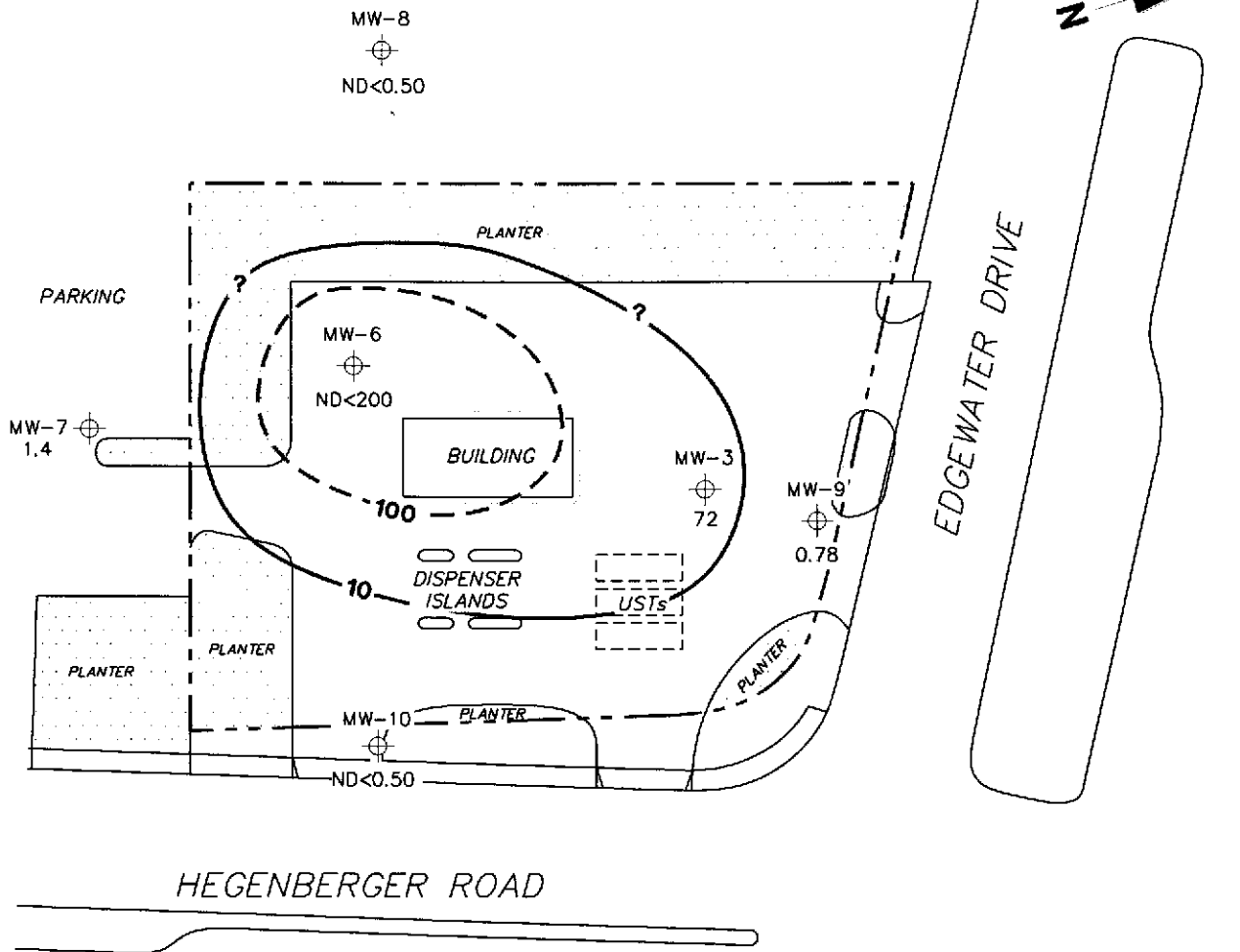
**DISSOLVED-PHASE BENZENE CONCENTRATION MAP**  
July 22, 2004

76 Station 5043  
449 Hegenberger Road  
Oakland, California



**FIGURE 4**

PS=1:1 5043-003



**NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether.  $\mu\text{g/l}$  = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B. Dashes indicate contour based on non-detect at elevated detection limit.

**LEGEND**

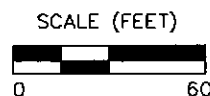
MW-10  $\oplus$  Monitoring Well with Dissolved-Phase MTBE Concentration ( $\mu\text{g/l}$ )

**-100-** Dissolved-Phase MTBE Contour ( $\mu\text{g/l}$ )

**DISSOLVED-PHASE MTBE  
CONCENTRATION MAP  
July 22, 2004**

76 Station 5043  
449 Hegenberger Road  
Oakland, California

**TRC**

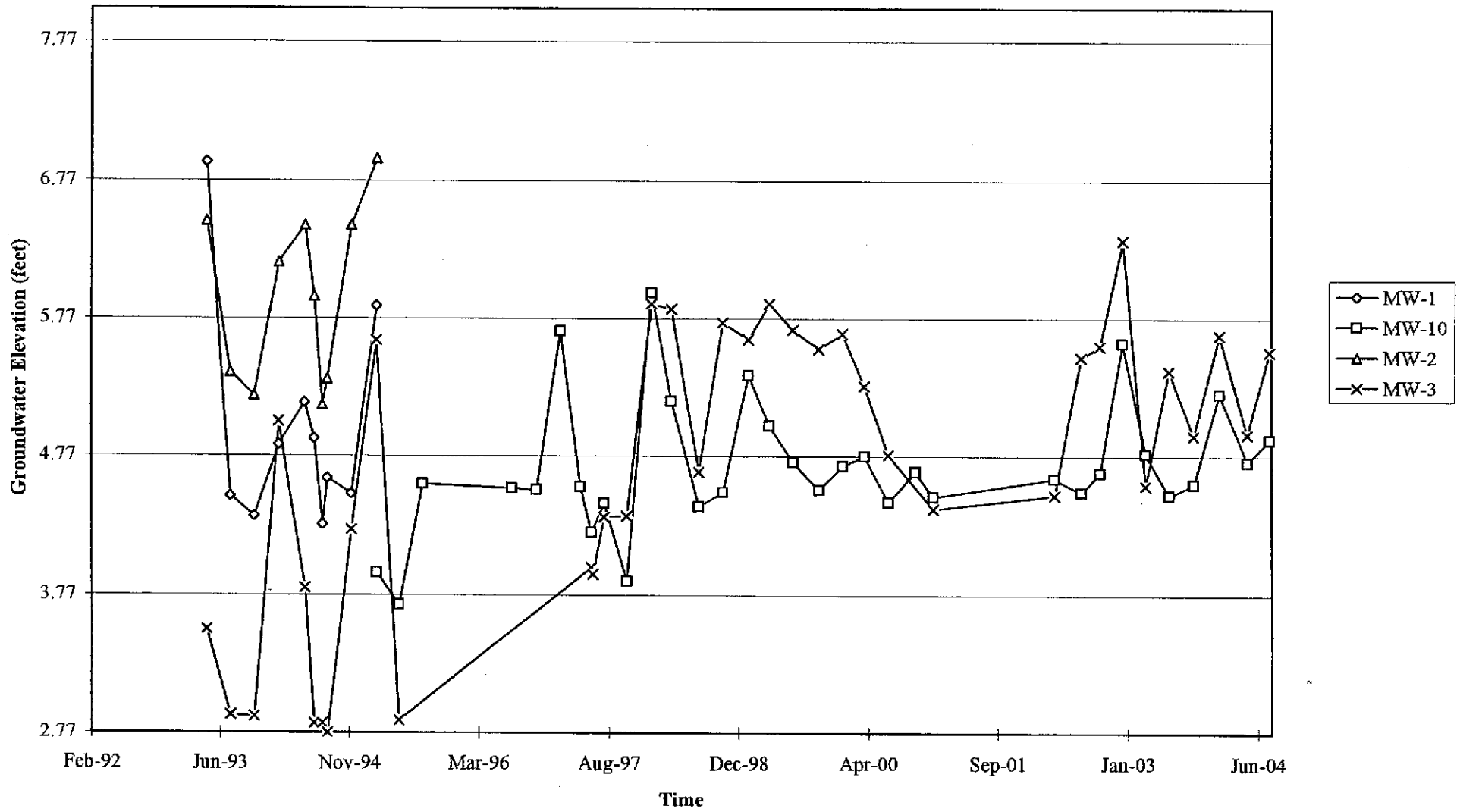


**FIGURE 5**

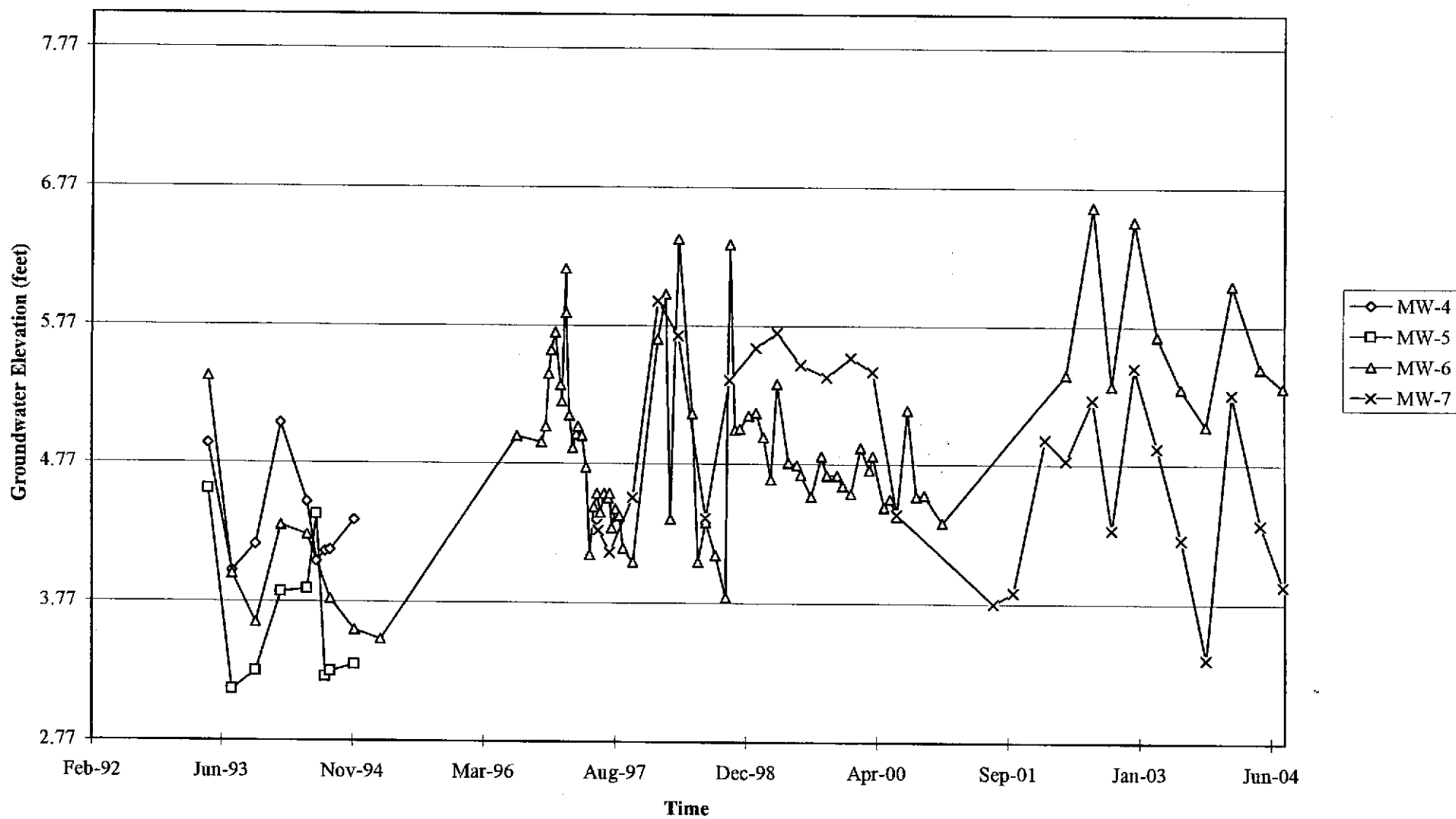
PS=1:1 5043-003

# GRAPHS

Groundwater Elevations vs. Time  
76 Station 5043

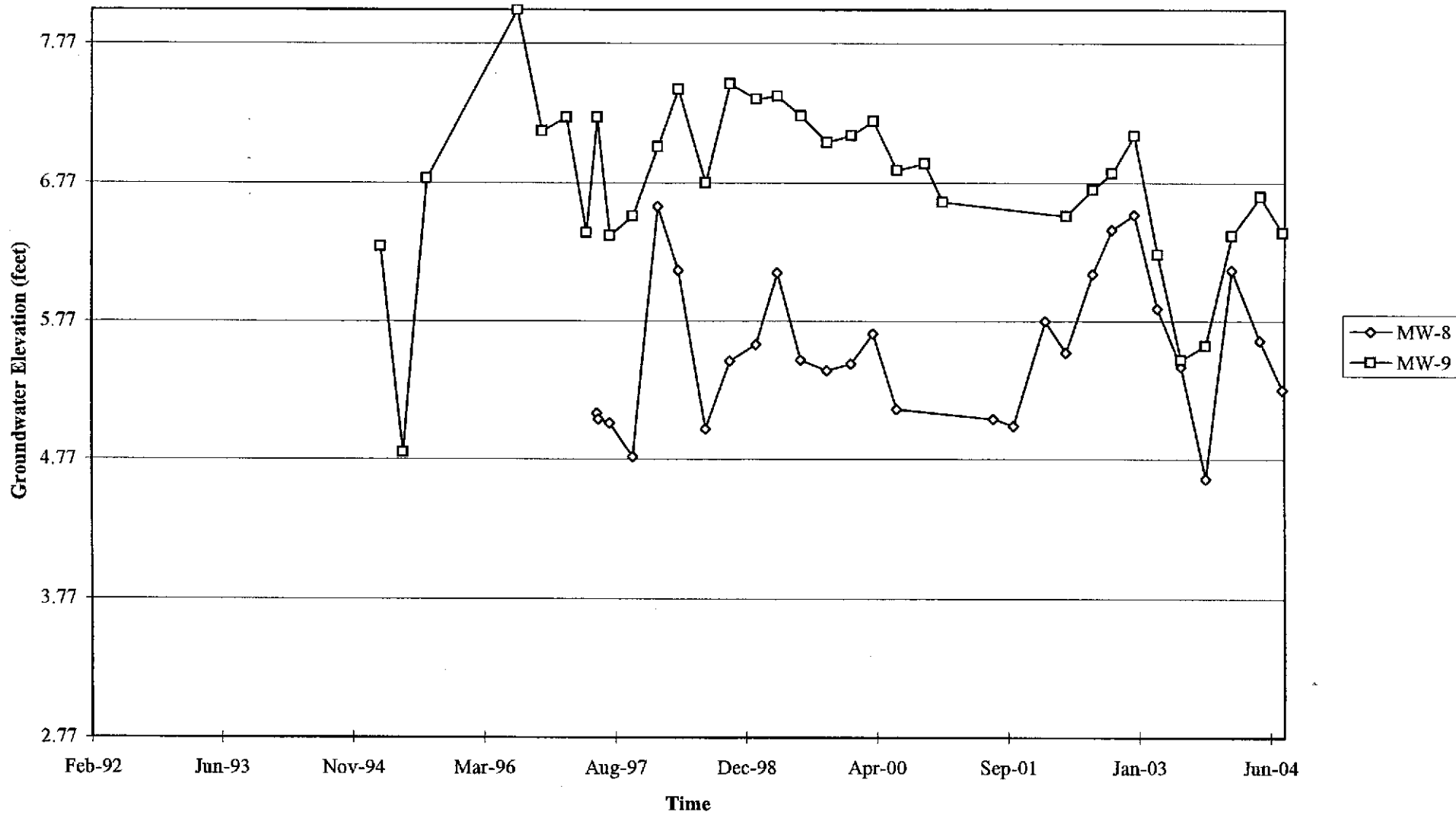


Groundwater Elevations vs. Time  
76 Station 5043





Groundwater Elevations 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: David Tenney

Job #/Task #: 410500-01/FA20

Date: 7-21-04<sup>22</sup>

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   | 0632        | 12.92       | 1.88           | 5                | 5                         | 0934         | 2"               |
| MW-3                | X   | 0637        | 13.99       | 2.91           | 5                | 5                         | 1007         | 2"               |
| MW-10               | X   | 0643        | 12.44       | 3.73           | 5                | 5                         | 1026         | 2"               |
| MW-7                | X   | 0644        | 12.78       | 4.93           | 5                | 5                         | 1103         | 2"               |
| MW-8                | X   | 0656        | 14.76       | 3.25           | 5                | 5                         | 1119         | 2"               |
| MW-6                | X   | 0702        | 12.74       | 3.94           | 5                | 5                         | 1044         | 2"               |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
|                     |     |             |             |                |                  |                           |              |                  |
| FIELD DATA COMPLETE |     | QA/QC       |             | COP            |                  | WELL BOX CONDITION SHEETS |              |                  |
| WTT CERTIFICATE     |     | MANIFEST    |             | DRUM INVENTORY |                  | TRAFFIC CONTROL           |              |                  |



GROUNDWATER SAMPLING FIELD NOTES

Technician: David Tenney

Date: 7-22-04

Site: 5043

Project No.: 410500-01/FA20

Well No.: MW-7

Purge Method: diaphragm 0969

Depth to Water (feet): 4.93

Depth to Product (feet): 0

Total Depth (feet): 12.76

LPH & Water Recovered (gallons): 0

Water Column (feet): 7.85

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 6.50

1 Well Volume (gallons): 1

| Time Start                                       | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F.C) | pH   | Turbidity | D.O |
|--|-----------|-----------------------|-------------------------|----------------------|-------------------|------|-----------|-----|
| 0847   |           |                       | 1                       | 3.65m                | 20.2              | 7.27 |           |     |
|  |           |                       | 2                       | 3.17                 | 21.9              | 6.85 |           |     |
|  | 0852      |                       | 3                       | 4.05                 | 22.1              | 6.95 |           |     |
| Static at Time Sampled                           |           | Total Gallons Purged  |                         |                      | Time Sampled      |      |           |     |
| 9:20   |           | 3                     |                         |                      | 1103              |      |           |     |
| Comments: <u>well did not recover in 2 hours</u> |           |                       |                         |                      |                   |      |           |     |

Well No.: MW-8

Purge Method: diaphragm 0969

Depth to Water (feet): 3.25

Depth to Product (feet): 0

Total Depth (feet): 14.76

LPH & Water Recovered (gallons): 0

Water Column (feet): 11.51

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 5.55

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 |
|------------------------|-----------|-----------------------|-------------------------|----------------------|-------------------|------|-----------|-----|
| 0858                   |           |                       | 2                       | 5.10m                | 21.3              | 7.10 |           |     |
|                        |           |                       | 4                       | 4.93                 | 22.6              | 6.66 |           |     |
|                        | 0903      |                       | 6                       | 4.76                 | 23.5              | 6.46 |           |     |
| Static at Time Sampled |           | Total Gallons Purged  |                         |                      | Time Sampled      |      |           |     |
| 4:31                   |           | 6                     |                         |                      | 1119              |      |           |     |
| Comments:              |           |                       |                         |                      |                   |      |           |     |

## GROUNDWATER SAMPLING FIELD NOTES

Site: 5043

Technician: David Tenney

Project No.: 410500-01/FA20

Date: 7-22-04

Well No.: MW-10  
 Depth to Water (feet): 3.73  
 Total Depth (feet): 12.44  
 Water Column (feet): 8.71  
 80% Recharge Depth (feet): 5.47

Purge Method: diaphragm 0969  
 Depth to Product (feet): 0  
 LPH & Water Recovered (gallons): 0  
 Casing Diameter (Inches): 2  
 1 Well Volume (gallons): 1

| Time Start             | Time Stop       | Depth To Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F.C.) | pH   | Turbidity | D.O. |
|------------------------|-----------------|-----------------------|-------------------------|----------------------|--------------------|------|-----------|------|
| 0815                   |                 |                       | 1                       | 2.79m                | 21.9               | 6.79 |           |      |
|                        |                 |                       | 2                       | 2.16                 | 21.0               | 6.97 |           |      |
|                        | <del>0820</del> |                       | 3                       | 1898N                | 20.8               | 6.89 |           |      |
|                        | 0819            |                       |                         |                      |                    |      |           |      |
| Static at Time Sampled |                 | Total Gallons Purged  |                         |                      | Time Sampled       |      |           |      |
| 4.91                   |                 | 3                     |                         |                      | 1026               |      |           |      |
| Comments:              |                 |                       |                         |                      |                    |      |           |      |

Well No.: MW-6  
 Depth to Water (feet): 3.54  
 Total Depth (feet): 12.74  
 Water Column (feet): 9.20  
 80% Recharge Depth (feet): 5.38

Purge Method: diaphragm 0969  
 Depth to Product (feet): 0  
 LPH & Water Recovered (gallons): 0  
 Casing Diameter (Inches): 2  
 1 Well Volume (gallons): 1

| Time Start                                       | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F.C.) | pH   | Turbidity | D.O. |
|--|-----------|-----------------------|-------------------------|----------------------|--------------------|------|-----------|------|
| 0827   |           |                       | 1                       | 2.12m                | 20.5               | 6.98 |           |      |
|  |           |                       | 2                       | 2.41                 | 22.6               | 7.00 |           |      |
|  | 0832      |                       | 3                       | 3.24                 | 22.4               | 6.98 |           |      |
| Static at Time Sampled                           |           | Total Gallons Purged  |                         |                      | Time Sampled       |      |           |      |
| 6.00   |           | 3                     |                         |                      | 1049               |      |           |      |
| Comments: <u>well did not recover in 2 hours</u> |           |                       |                         |                      |                    |      |           |      |

### GROUNDWATER SAMPLING FIELD NOTES

Technician: David Tenney

Date: 7-22-04

Site: 5043

Project No.: 410500-01/FA20

Well No.: MW-9

Purge Method: diaphragm 0969

Depth to Water (feet): 1.88

Depth to Product (feet): 0

Total Depth (feet): 12.52

LPH & Water Recovered (gallons): 0

Water Column (feet): 10.64

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 4.01

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. |
|------------------------|-----------|-----------------------|-------------------------|----------------------|--------------------|--------------|-----------|------|
| 0749                   |           |                       | 2                       | 1162                 | 23.0               | 6.27         |           |      |
|                        |           |                       | 4                       | 1744                 | 23.0               | 6.84         |           |      |
|                        | 0755      |                       | 6                       | 1846                 | 23.0               | 6.84         |           |      |
|                        |           |                       |                         |                      |                    |              |           |      |
| Static at Time Sampled |           |                       | Total Gallons Purged    |                      |                    | Time Sampled |           |      |
| 4.01                   |           |                       | 6                       |                      |                    | 0934         |           |      |
| Comments:              |           |                       |                         |                      |                    |              |           |      |

Well No.: MW-3

Purge Method: diaphragm 0969

Depth to Water (feet): 2.51

Depth to Product (feet): 0

Total Depth (feet): 13.99

LPH & Water Recovered (gallons): 0

Water Column (feet): 11.48

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 4.81

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. |
|--|-----------|-----------------------|-------------------------|----------------------|--------------------|--------------|-----------|------|
| 0802   |           |                       | 2                       | 435m                 | 20.9               | 7.36         |           |      |
|  |           |                       | 4                       | 1770u                | 23.5               | 6.94         |           |      |
|  | 0807      |                       | 6                       | 1660                 | 23.8               | 6.52         |           |      |
|  |           |                       |                         |                      |                    |              |           |      |
| Static at Time Sampled                           |           |                       | Total Gallons Purged    |                      |                    | Time Sampled |           |      |
| 7.01   |           |                       | 6                       |                      |                    | 10 07        |           |      |
| Comments: <u>well did not recover in 2 hours</u> |           |                       |                         |                      |                    |              |           |      |



**Laboratories, Inc****Cover Report**

TRC ALTON GEOSCIENCE  
21 TECHNOLOGY DRIVE  
IRVINE, CA 92618-2302  
Attn: ANJU FARFAN

Project Number: 5043  
COC Number:  
BCL Number: 04-07812

Dear Anju Farfan:

This report contains the analytical results for the samples received under chain of custody by BC Laboratories, Inc. The samples were logged into the Laboratory Information Management System (LIMS) and BC Lab numbers were assigned to each sample. The result of the temperature check, condition of the samples and any other discrepancies were recorded on the cooler receipt form.

All applicable quality control procedures met method-specific acceptance criteria, except as noted on the following analytical and quality control reports.

This report shall not be reproduced except in full, without written approval of the laboratory.

California DOHS Certification #1186

A handwritten signature in cursive script that reads "Sharen Maurer".

Authorized Signature



TRC ALTON GEOSCIENCE  
 21 TECHNOLOGY DRIVE  
 IRVINE, CA 92618-2302  
 Attn: ANJU FARFAN

## Volatile Organic Analysis (EPA Method 8260)

| <b>COC Number</b>        |        | ---          |                |       |        |           |          |          | <b>Receive Date/Time</b>  |                | 07/29/2004 @ 21:15 |             |         |            |
|--------------------------|--------|--------------|----------------|-------|--------|-----------|----------|----------|---------------------------|----------------|--------------------|-------------|---------|------------|
| <b>Project Number</b>    |        | 5043         |                |       |        |           |          |          | <b>Sampling Date/Time</b> |                | 07/22/2004 @ 09:34 |             |         |            |
| <b>Sampling Location</b> |        | ---          |                |       |        |           |          |          | <b>Sample Depth</b>       |                | ---                |             |         |            |
| <b>Sampling Point</b>    |        | MW-9         |                |       |        |           |          |          | <b>Sample Matrix</b>      |                | Groundwater        |             |         |            |
| <b>Sampled By</b>        |        | DAVID TENNEY |                |       |        |           |          |          | <b>BCL Sample ID</b>      |                | 04-07812-1         |             |         |            |
| Constituent              | Result | Units        | PQL            | MDL   | Method | Prep Date | Run Date | Run Time | Analyst                   | Instru-ment ID | Dilution           | QC Batch ID | MB Bias | Lab Quails |
| Benzene                  | < PQL  | ug/L         | 0.5            | 0.071 | 8260   | 08/03/04  | 08/03/04 | 14:06    | MWB                       | MS-D1          | 1                  | 396-100244  | ND      |            |
| Ethylbenzene             | < PQL  | ug/L         | 0.5            | 0.12  | 8260   | 08/03/04  | 08/03/04 | 14:06    | MWB                       | MS-D1          | 1                  | 396-100244  | ND      |            |
| Toluene                  | < PQL  | ug/L         | 0.5            | 0.081 | 8260   | 08/03/04  | 08/03/04 | 14:06    | MWB                       | MS-D1          | 1                  | 396-100244  | ND      |            |
| Total Xylenes            | < PQL  | ug/L         | 1              | 0.28  | 8260   | 08/03/04  | 08/03/04 | 14:06    | MWB                       | MS-D1          | 1                  | 396-100244  | ND      |            |
| Ethanol                  | < PQL  | ug/L         | 1000           | 62    | 8260   | 08/03/04  | 08/03/04 | 14:06    | MWB                       | MS-D1          | 1                  | 396-100244  | ND      |            |
| Methyl t-butyl ether     | 0.78   | ug/L         | 0.5            | 0.070 | 8260   | 08/03/04  | 08/03/04 | 14:06    | MWB                       | MS-D1          | 1                  | 396-100244  | ND      |            |
| TPH Gas                  | < PQL  | ug/L         | 50             | 25    | 8260   | 08/03/04  | 08/03/04 | 14:06    | MWB                       | MS-D1          | 1                  | 396-100244  | ND      |            |
| Surrogate Compounds      | Result | Units        | Control Limits |       | Method | Prep Date | Run Date | Run Time | Analyst                   | Instru-ment ID | Dilution           | QC Batch ID | MB Bias | Lab Quails |
| 1,2-Dichloroethane-d4    | 102    | %            | 76-114         |       | 8260   | 08/03/04  | 08/03/04 | 14:06    | MWB                       | MS-D1          | 1                  | 396-100244  |         |            |
| Toluene-d8               | 95     | %            | 88-110         |       | 8260   | 08/03/04  | 08/03/04 | 14:06    | MWB                       | MS-D1          | 1                  | 396-100244  |         |            |
| 4-Bromofluorobenzene     | 102    | %            | 86-115         |       | 8260   | 08/03/04  | 08/03/04 | 14:06    | MWB                       | MS-D1          | 1                  | 396-100244  |         |            |

California DOHS Certification #1186

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Printed 08/05/2004 11:48:19

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04-07812-1

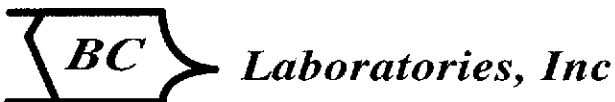


TRC ALTON GEOSCIENCE  
 21 TECHNOLOGY DRIVE  
 IRVINE, CA 92618-2302  
 Attn: ANJU FARFAN

## Fuel Identification / Quantitation Summary (EPA Method 8015M)

| <b>COC Number</b>                 |               | ---          |                       |            |               |                  |                 |                 | <b>Receive Date/Time</b>  |                       | 07/29/2004 @ 21:15 |                    |                |                  |
|-----------------------------------|---------------|--------------|-----------------------|------------|---------------|------------------|-----------------|-----------------|---------------------------|-----------------------|--------------------|--------------------|----------------|------------------|
| <b>Project Number</b>             |               | 5043         |                       |            |               |                  |                 |                 | <b>Sampling Date/Time</b> |                       | 07/22/2004 @ 09:34 |                    |                |                  |
| <b>Sampling Location</b>          |               | ---          |                       |            |               |                  |                 |                 | <b>Sample Depth</b>       |                       | ---                |                    |                |                  |
| <b>Sampling Point</b>             |               | MW-9         |                       |            |               |                  |                 |                 | <b>Sample Matrix</b>      |                       | Groundwater        |                    |                |                  |
| <b>Sampled By</b>                 |               | DAVID TENNEY |                       |            |               |                  |                 |                 | <b>BCL Sample ID</b>      |                       | 04-07812-1         |                    |                |                  |
| <b>Constituent</b>                | <b>Result</b> | <b>Units</b> | <b>PQL</b>            | <b>MDL</b> | <b>Method</b> | <b>Prep Date</b> | <b>Run Date</b> | <b>Run Time</b> | <b>Analyst</b>            | <b>Instru-ment ID</b> | <b>Dilution</b>    | <b>QC Batch ID</b> | <b>MB Bias</b> | <b>Lab Quals</b> |
| Diesel Range Organics (C12 - C24) | < PQL         | ug/L         | 200.                  | 66.        | 8015M         | 08/04/04         | 08/09/04        | 21:30           | MAA                       | GC-12A                | 1                  |                    |                |                  |
| <b>Surrogate Compounds</b>        | <b>Result</b> | <b>Units</b> | <b>Control Limits</b> |            | <b>Method</b> | <b>Prep Date</b> | <b>Run Date</b> | <b>Run Time</b> | <b>Analyst</b>            | <b>Instru-ment ID</b> | <b>Dilution</b>    | <b>QC Batch ID</b> | <b>MB Bias</b> | <b>Lab Quals</b> |
| Tetracosane                       | 89            | %            | 53-124                |            | 8015M         | 08/04/04         | 08/09/04        | 21:30           | MAA                       | GC-12A                | 1                  |                    |                |                  |

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TRC ALTON GEOSCIENCE  
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 IRVINE, CA 92618-2302  
 Attn: ANJU FARFAN

## Volatile Organic Analysis (EPA Method 8260)

| <b>COC Number</b>        |        |       |                |       |        | ---          |          |          |         |                |          | <b>Receive Date/Time</b>  |         | 07/29/2004 @ 21:15 |  |
|--------------------------|--------|-------|----------------|-------|--------|--------------|----------|----------|---------|----------------|----------|---------------------------|---------|--------------------|--|
| <b>Project Number</b>    |        |       |                |       |        | 5043         |          |          |         |                |          | <b>Sampling Date/Time</b> |         | 07/22/2004 @ 10:07 |  |
| <b>Sampling Location</b> |        |       |                |       |        | ---          |          |          |         |                |          | <b>Sample Depth</b>       |         | ---                |  |
| <b>Sampling Point</b>    |        |       |                |       |        | MW-3         |          |          |         |                |          | <b>Sample Matrix</b>      |         | Groundwater        |  |
| <b>Sampled By</b>        |        |       |                |       |        | DAVID TENNEY |          |          |         |                |          | <b>BCL Sample ID</b>      |         | 04-07812-2         |  |
| Constituent              | Result | Units | PQL            | MDL   | Method | Prep Date    | Run Date | Run Time | Analyst | Instru-ment ID | Dilution | GC Batch ID               | MB Bias | Lab Quals          |  |
| Benzene                  | < PQL  | ug/L  | 0.5            | 0.071 | 8260   | 08/02/04     | 08/02/04 | 16:29    | MWB     | MS-D1          | 1        | 396-100244                | ND      |                    |  |
| Ethylbenzene             | < PQL  | ug/L  | 0.5            | 0.12  | 8260   | 08/02/04     | 08/02/04 | 16:29    | MWB     | MS-D1          | 1        | 396-100244                | ND      |                    |  |
| Toluene                  | < PQL  | ug/L  | 0.5            | 0.081 | 8260   | 08/02/04     | 08/02/04 | 16:29    | MWB     | MS-D1          | 1        | 396-100244                | ND      |                    |  |
| Total Xylenes            | < PQL  | ug/L  | 1              | 0.28  | 8260   | 08/02/04     | 08/02/04 | 16:29    | MWB     | MS-D1          | 1        | 396-100244                | ND      |                    |  |
| Ethanol                  | < PQL  | ug/L  | 1000           | 62    | 8260   | 08/02/04     | 08/02/04 | 16:29    | MWB     | MS-D1          | 1        | 396-100244                | ND      |                    |  |
| Methyl t-butyl ether     | 72     | ug/L  | 0.5            | 0.070 | 8260   | 08/02/04     | 08/02/04 | 16:29    | MWB     | MS-D1          | 1        | 396-100244                | ND      |                    |  |
| TPH Gas                  | 420    | ug/L  | 50             | 25    | 8260   | 08/02/04     | 08/02/04 | 16:29    | MWB     | MS-D1          | 1        | 396-100244                | ND      |                    |  |
| Surrogate Compounds      | Result | Units | Control Limits |       | Method | Prep Date    | Run Date | Run Time | Analyst | Instru-ment ID | Dilution | GC Batch ID               | MB Bias | Lab Quals          |  |
| 1,2-Dichloroethane-d4    | 101    | %     | 76-114         |       | 8260   | 08/02/04     | 08/02/04 | 16:29    | MWB     | MS-D1          | 1        | 396-100244                |         |                    |  |
| Toluene-d8               | 100    | %     | 88-110         |       | 8260   | 08/02/04     | 08/02/04 | 16:29    | MWB     | MS-D1          | 1        | 396-100244                |         |                    |  |
| 4-Bromofluorobenzene     | 98     | %     | 86-115         |       | 8260   | 08/02/04     | 08/02/04 | 16:29    | MWB     | MS-D1          | 1        | 396-100244                |         |                    |  |

**Comments**  
 Sample received at pH=6.

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04-07812-2



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 IRVINE, CA 92618-2302  
 Attn: ANJU FARFAN

## Fuel Identification / Quantitation Summary (EPA Method 8015M)

| <b>COC Number</b>                 |        | ---          |                |     |        |           |          |          | <b>Receive Date/Time</b>  |               | 07/29/2004 @ 21:15 |             |         |           |
|-----------------------------------|--------|--------------|----------------|-----|--------|-----------|----------|----------|---------------------------|---------------|--------------------|-------------|---------|-----------|
| <b>Project Number</b>             |        | 5043         |                |     |        |           |          |          | <b>Sampling Date/Time</b> |               | 07/22/2004 @ 10:07 |             |         |           |
| <b>Sampling Location</b>          |        | ---          |                |     |        |           |          |          | <b>Sample Depth</b>       |               | ---                |             |         |           |
| <b>Sampling Point</b>             |        | MW-3         |                |     |        |           |          |          | <b>Sample Matrix</b>      |               | Groundwater        |             |         |           |
| <b>Sampled By</b>                 |        | DAVID TENNEY |                |     |        |           |          |          | <b>BCL Sample ID</b>      |               | 04-07812-2         |             |         |           |
| Constituent                       | Result | Units        | PQL            | MDL | Method | Prep Date | Run Date | Run Time | Analyst                   | Instrument ID | Dilution           | QC Batch ID | MB Bias | Lab Quats |
| Diesel Range Organics (C12 - C24) | 330    | ug/L         | 200            | 66  | 8015M  | 08/04/04  | 08/09/04 | 21:49    | MAA                       | GC-12A        | 1                  |             |         | A52       |
| Surrogate Compounds               | Result | Units        | Control Limits |     | Method | Prep Date | Run Date | Run Time | Analyst                   | Instrument ID | Dilution           | QC Batch ID | MB Bias | Lab Quats |
| Tetracosane                       | 66     | %            | 53-124         |     | 8015M  | 08/04/04  | 08/09/04 | 21:49    | MAA                       | GC-12A        | 1                  |             |         |           |

| Flag | Explanations                        |
|------|-------------------------------------|
| A52  | Chromatogram not typical of diesel. |

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## Volatile Organic Analysis (EPA Method 8260)

| <b>COC Number</b>        |        | ---          |                |       |        |           |          | <b>Receive Date/Time</b>  |         | 07/29/2004 @ 21:15 |          |             |         |            |
|--------------------------|--------|--------------|----------------|-------|--------|-----------|----------|---------------------------|---------|--------------------|----------|-------------|---------|------------|
| <b>Project Number</b>    |        | 5043         |                |       |        |           |          | <b>Sampling Date/Time</b> |         | 07/22/2004 @ 10:26 |          |             |         |            |
| <b>Sampling Location</b> |        | ---          |                |       |        |           |          | <b>Sample Depth</b>       |         | ---                |          |             |         |            |
| <b>Sampling Point</b>    |        | MW-10        |                |       |        |           |          | <b>Sample Matrix</b>      |         | Groundwater        |          |             |         |            |
| <b>Sampled By</b>        |        | DAVID TENNEY |                |       |        |           |          | <b>BCL Sample ID</b>      |         | 04-07812-3         |          |             |         |            |
| Constituent              | Result | Units        | PQL            | MDL   | Method | Prep Date | Run Date | Run Time                  | Analyst | Instru-ment ID     | Dilution | QC Batch ID | MB Bias | Lab Quails |
| Benzene                  | < PQL  | ug/L         | 0.5            | 0.071 | 8260   | 08/03/04  | 08/03/04 | 14:25                     | MWB     | MS-D1              | 1        | 396-100244  | ND      |            |
| Ethylbenzene             | < PQL  | ug/L         | 0.5            | 0.12  | 8260   | 08/03/04  | 08/03/04 | 14:25                     | MWB     | MS-D1              | 1        | 396-100244  | ND      |            |
| Toluene                  | < PQL  | ug/L         | 0.5            | 0.081 | 8260   | 08/03/04  | 08/03/04 | 14:25                     | MWB     | MS-D1              | 1        | 396-100244  | ND      |            |
| Total Xylenes            | < PQL  | ug/L         | 1              | 0.28  | 8260   | 08/03/04  | 08/03/04 | 14:25                     | MWB     | MS-D1              | 1        | 396-100244  | ND      |            |
| Ethanol                  | < PQL  | ug/L         | 1000           | 62    | 8260   | 08/03/04  | 08/03/04 | 14:25                     | MWB     | MS-D1              | 1        | 396-100244  | ND      |            |
| Methyl t-butyl ether     | < PQL  | ug/L         | 0.5            | 0.070 | 8260   | 08/03/04  | 08/03/04 | 14:25                     | MWB     | MS-D1              | 1        | 396-100244  | ND      |            |
| TPH Gas                  | < PQL  | ug/L         | 50             | 25    | 8260   | 08/03/04  | 08/03/04 | 14:25                     | MWB     | MS-D1              | 1        | 396-100244  | ND      |            |
| Surrogate Compounds      | Result | Units        | Control Limits |       | Method | Prep Date | Run Date | Run Time                  | Analyst | Instru-ment ID     | Dilution | QC Batch ID | MB Bias | Lab Quails |
| 1,2-Dichloroethane-d4    | 106    | %            | 76-114         |       | 8260   | 08/03/04  | 08/03/04 | 14:25                     | MWB     | MS-D1              | 1        | 396-100244  |         |            |
| Toluene-d8               | 98     | %            | 88-110         |       | 8260   | 08/03/04  | 08/03/04 | 14:25                     | MWB     | MS-D1              | 1        | 396-100244  |         |            |
| 4-Bromofluorobenzene     | 103    | %            | 86-115         |       | 8260   | 08/03/04  | 08/03/04 | 14:25                     | MWB     | MS-D1              | 1        | 396-100244  |         |            |

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 Attn: ANJU FARFAN

## Fuel Identification / Quantitation Summary (EPA Method 8015M)

| <b>COC Number</b>                 |        | ---          |                |     |        |           |          |          | <b>Receive Date/Time</b>  |                | 07/29/2004 @ 21:15 |             |         |           |
|-----------------------------------|--------|--------------|----------------|-----|--------|-----------|----------|----------|---------------------------|----------------|--------------------|-------------|---------|-----------|
| <b>Project Number</b>             |        | 5043         |                |     |        |           |          |          | <b>Sampling Date/Time</b> |                | 07/22/2004 @ 10:26 |             |         |           |
| <b>Sampling Location</b>          |        | ---          |                |     |        |           |          |          | <b>Sample Depth</b>       |                | ---                |             |         |           |
| <b>Sampling Point</b>             |        | MW-10        |                |     |        |           |          |          | <b>Sample Matrix</b>      |                | Groundwater        |             |         |           |
| <b>Sampled By</b>                 |        | DAVID TENNEY |                |     |        |           |          |          | <b>BCL Sample ID</b>      |                | 04-07812-3         |             |         |           |
| Constituent                       | Result | Units        | PQL            | MDL | Method | Prep Date | Run Date | Run Time | Analyst                   | Instru-ment ID | Dilution           | QC Batch ID | MB Bias | Lab Quais |
| Diesel Range Organics (C12 - C24) | < PQL  | ug/L         | 200.           | 66. | 8015M  | 08/04/04  | 08/09/04 | 22:09    | MAA                       | GC-12A         | 1                  |             |         |           |
| Surrogate Compounds               | Result | Units        | Control Limits |     | Method | Prep Date | Run Date | Run Time | Analyst                   | Instru-ment ID | Dilution           | QC Batch ID | MB Bias | Lab Quais |
| Tetracosane                       | 93     | %            | 53-124         |     | 8015M  | 08/04/04  | 08/09/04 | 22:09    | MAA                       | GC-12A         | 1                  |             |         |           |

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## Volatile Organic Analysis (EPA Method 8260)

| <b>COC Number</b>          |               | ---          |                       |            |               |                  |                 |                 |                |                       |                 | <b>Receive Date/Time</b>  |                | 07/29/2004 @ 21:15 |  |
|----------------------------|---------------|--------------|-----------------------|------------|---------------|------------------|-----------------|-----------------|----------------|-----------------------|-----------------|---------------------------|----------------|--------------------|--|
| <b>Project Number</b>      |               | 5043         |                       |            |               |                  |                 |                 |                |                       |                 | <b>Sampling Date/Time</b> |                | 07/22/2004 @ 11:03 |  |
| <b>Sampling Location</b>   |               | ---          |                       |            |               |                  |                 |                 |                |                       |                 | <b>Sample Depth</b>       |                | ---                |  |
| <b>Sampling Point</b>      |               | MW-7         |                       |            |               |                  |                 |                 |                |                       |                 | <b>Sample Matrix</b>      |                | Groundwater        |  |
| <b>Sampled By</b>          |               | DAVID TENNEY |                       |            |               |                  |                 |                 |                |                       |                 | <b>BCL Sample ID</b>      |                | 04-07812-4         |  |
| <b>Constituent</b>         | <b>Result</b> | <b>Units</b> | <b>PQL</b>            | <b>MDL</b> | <b>Method</b> | <b>Prep Date</b> | <b>Run Date</b> | <b>Run Time</b> | <b>Analyst</b> | <b>Instru-ment ID</b> | <b>Dilution</b> | <b>QC Batch ID</b>        | <b>MB Bias</b> | <b>Lab Quals</b>   |  |
| Benzene                    | 0.90          | ug/L         | 0.5                   | 0.071      | 8260          | 08/03/04         | 08/03/04        | 14:43           | MWB            | MS-D1                 | 1               | 396-100244                | ND             |                    |  |
| Ethylbenzene               | 3.5           | ug/L         | 0.5                   | 0.12       | 8260          | 08/03/04         | 08/03/04        | 14:43           | MWB            | MS-D1                 | 1               | 396-100244                | ND             |                    |  |
| Toluene                    | 2.0           | ug/L         | 0.5                   | 0.081      | 8260          | 08/03/04         | 08/03/04        | 14:43           | MWB            | MS-D1                 | 1               | 396-100244                | ND             |                    |  |
| Total Xylenes              | 9.9           | ug/L         | 1                     | 0.28       | 8260          | 08/03/04         | 08/03/04        | 14:43           | MWB            | MS-D1                 | 1               | 396-100244                | ND             |                    |  |
| Ethanol                    | < PQL         | ug/L         | 1000                  | 62         | 8260          | 08/03/04         | 08/03/04        | 14:43           | MWB            | MS-D1                 | 1               | 396-100244                | ND             |                    |  |
| Methyl t-butyl ether       | 1.4           | ug/L         | 0.5                   | 0.070      | 8260          | 08/03/04         | 08/03/04        | 14:43           | MWB            | MS-D1                 | 1               | 396-100244                | ND             |                    |  |
| TPH Gas                    | 82            | ug/L         | 50                    | 25         | 8260          | 08/03/04         | 08/03/04        | 14:43           | MWB            | MS-D1                 | 1               | 396-100244                | ND             |                    |  |
| <b>Surrogate Compounds</b> | <b>Result</b> | <b>Units</b> | <b>Control Limits</b> |            | <b>Method</b> | <b>Prep Date</b> | <b>Run Date</b> | <b>Run Time</b> | <b>Analyst</b> | <b>Instru-ment ID</b> | <b>Dilution</b> | <b>QC Batch ID</b>        | <b>MB Bias</b> | <b>Lab Quals</b>   |  |
| 1,2-Dichloroethane-d4      | 102           | %            | 76-114                |            | 8260          | 08/03/04         | 08/03/04        | 14:43           | MWB            | MS-D1                 | 1               | 396-100244                |                |                    |  |
| Toluene-d8                 | 101           | %            | 88-110                |            | 8260          | 08/03/04         | 08/03/04        | 14:43           | MWB            | MS-D1                 | 1               | 396-100244                |                |                    |  |
| 4-Bromofluorobenzene       | 101           | %            | 86-115                |            | 8260          | 08/03/04         | 08/03/04        | 14:43           | MWB            | MS-D1                 | 1               | 396-100244                |                |                    |  |

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 IRVINE, CA 92618-2302  
 Attn: ANJU FARFAN

## Fuel Identification / Quantitation Summary (EPA Method 8015M)

| <b>COC Number</b>                 |        | ---          |                |     |        |           |          |          | <b>Receive Date/Time</b>  |               | 07/29/2004 @ 21:15 |             |         |           |
|-----------------------------------|--------|--------------|----------------|-----|--------|-----------|----------|----------|---------------------------|---------------|--------------------|-------------|---------|-----------|
| <b>Project Number</b>             |        | 5043         |                |     |        |           |          |          | <b>Sampling Date/Time</b> |               | 07/22/2004 @ 11:03 |             |         |           |
| <b>Sampling Location</b>          |        | ---          |                |     |        |           |          |          | <b>Sample Depth</b>       |               | ---                |             |         |           |
| <b>Sampling Point</b>             |        | MW-7         |                |     |        |           |          |          | <b>Sample Matrix</b>      |               | Groundwater        |             |         |           |
| <b>Sampled By</b>                 |        | DAVID TENNEY |                |     |        |           |          |          | <b>BCL Sample ID</b>      |               | 04-07812-4         |             |         |           |
| Constituent                       | Result | Units        | PQL            | MDL | Method | Prep Date | Run Date | Run Time | Analyst                   | Instrument ID | Dilution           | QC Batch ID | MB Bias | Lab Quals |
| Diesel Range Organics (C12 - C24) | < PQL  | ug/L         | 200.           | 66. | 8015M  | 08/04/04  | 08/09/04 | 22:29    | MAA                       | GC-12A        | 1                  |             |         |           |
| Surrogate Compounds               | Result | Units        | Control Limits |     | Method | Prep Date | Run Date | Run Time | Analyst                   | Instrument ID | Dilution           | QC Batch ID | MB Bias | Lab Quals |
| Tetracosane                       | 110    | %            | 53-124         |     | 8015M  | 08/04/04  | 08/09/04 | 22:29    | MAA                       | GC-12A        | 1                  |             |         |           |

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 Attn: ANJU FARFAN

## Volatile Organic Analysis (EPA Method 8260)

| <b>COC Number</b>        |        | ---          |                |       |        |           |          | <b>Receive Date/Time</b>  |         | 07/29/2004 @ 21:15 |          |             |         |            |
|--------------------------|--------|--------------|----------------|-------|--------|-----------|----------|---------------------------|---------|--------------------|----------|-------------|---------|------------|
| <b>Project Number</b>    |        | 5043         |                |       |        |           |          | <b>Sampling Date/Time</b> |         | 07/22/2004 @ 11:19 |          |             |         |            |
| <b>Sampling Location</b> |        | ---          |                |       |        |           |          | <b>Sample Depth</b>       |         | ---                |          |             |         |            |
| <b>Sampling Point</b>    |        | MW-8         |                |       |        |           |          | <b>Sample Matrix</b>      |         | Groundwater        |          |             |         |            |
| <b>Sampled By</b>        |        | DAVID TENNEY |                |       |        |           |          | <b>BCL Sample ID</b>      |         | 04-07812-5         |          |             |         |            |
| Constituent              | Result | Units        | PQL            | MDL   | Method | Prep Date | Run Date | Run Time                  | Analyst | Instru-ment ID     | Dilution | QC Batch ID | MB Bias | Lab Quails |
| Benzene                  | < PQL  | ug/L         | 0.5            | 0.071 | 8260   | 08/03/04  | 08/03/04 | 15:02                     | MWB     | MS-D1              | 1        | 396-100244  | ND      |            |
| Ethylbenzene             | < PQL  | ug/L         | 0.5            | 0.12  | 8260   | 08/03/04  | 08/03/04 | 15:02                     | MWB     | MS-D1              | 1        | 396-100244  | ND      |            |
| Toluene                  | < PQL  | ug/L         | 0.5            | 0.081 | 8260   | 08/03/04  | 08/03/04 | 15:02                     | MWB     | MS-D1              | 1        | 396-100244  | ND      |            |
| Total Xylenes            | < PQL  | ug/L         | 1              | 0.28  | 8260   | 08/03/04  | 08/03/04 | 15:02                     | MWB     | MS-D1              | 1        | 396-100244  | ND      |            |
| Ethanol                  | < PQL  | ug/L         | 1000           | 62    | 8260   | 08/03/04  | 08/03/04 | 15:02                     | MWB     | MS-D1              | 1        | 396-100244  | ND      |            |
| Methyl t-butyl ether     | < PQL  | ug/L         | 0.5            | 0.070 | 8260   | 08/03/04  | 08/03/04 | 15:02                     | MWB     | MS-D1              | 1        | 396-100244  | ND      |            |
| TPH Gas                  | < PQL  | ug/L         | 50             | 25    | 8260   | 08/03/04  | 08/03/04 | 15:02                     | MWB     | MS-D1              | 1        | 396-100244  | ND      |            |
| Surrogate Compounds      | Result | Units        | Control Limits |       | Method | Prep Date | Run Date | Run Time                  | Analyst | Instru-ment ID     | Dilution | QC Batch ID | MB Bias | Lab Quails |
| 1,2-Dichloroethane-d4    | 111    | %            | 76-114         |       | 8260   | 08/03/04  | 08/03/04 | 15:02                     | MWB     | MS-D1              | 1        | 396-100244  |         |            |
| Toluene-d8               | 93     | %            | 88-110         |       | 8260   | 08/03/04  | 08/03/04 | 15:02                     | MWB     | MS-D1              | 1        | 396-100244  |         |            |
| 4-Bromofluorobenzene     | 98     | %            | 86-115         |       | 8260   | 08/03/04  | 08/03/04 | 15:02                     | MWB     | MS-D1              | 1        | 396-100244  |         |            |

California DOHS Certification #1186

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Printed 08/05/2004 11:48:55

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04-07812-5



TRC ALTON GEOSCIENCE  
 21 TECHNOLOGY DRIVE  
 IRVINE, CA 92618-2302  
 Attn: ANJU FARFAN

## Fuel Identification / Quantitation Summary (EPA Method 8015M)

| <b>COC Number</b>                 |        | ---          |                |     |        |           |          |          | <b>Receive Date/Time</b>  |                | 07/29/2004 @ 21:15 |             |         |           |
|-----------------------------------|--------|--------------|----------------|-----|--------|-----------|----------|----------|---------------------------|----------------|--------------------|-------------|---------|-----------|
| <b>Project Number</b>             |        | 5043         |                |     |        |           |          |          | <b>Sampling Date/Time</b> |                | 07/22/2004 @ 11:19 |             |         |           |
| <b>Sampling Location</b>          |        | ---          |                |     |        |           |          |          | <b>Sample Depth</b>       |                | ---                |             |         |           |
| <b>Sampling Point</b>             |        | MW-8         |                |     |        |           |          |          | <b>Sample Matrix</b>      |                | Groundwater        |             |         |           |
| <b>Sampled By</b>                 |        | DAVID TENNEY |                |     |        |           |          |          | <b>BCL Sample ID</b>      |                | 04-07812-5         |             |         |           |
| Constituent                       | Result | Units        | PQL            | MDL | Method | Prep Date | Run Date | Run Time | Analyst                   | Instru-ment ID | Dilution           | QC Batch ID | MB Bias | Lab Quais |
| Diesel Range Organics (C12 - C24) | 250    | ug/L         | 200.           | 66. | 8015M  | 08/04/04  | 08/09/04 | 22:49    | MAA                       | GC-12A         | 1                  |             |         | A52       |
| Surrogate Compounds               | Result | Units        | Control Limits |     | Method | Prep Date | Run Date | Run Time | Analyst                   | Instru-ment ID | Dilution           | QC Batch ID | MB Bias | Lab Quais |
| Tetracosane                       | 105    | %            | 53-124         |     | 8015M  | 08/04/04  | 08/09/04 | 22:49    | MAA                       | GC-12A         | 1                  |             |         |           |

| Flag | Explanations                        |
|------|-------------------------------------|
| A52  | Chromatogram not typical of diesel. |

California DOHS Certification #1186

Printed 08/16/2004 09:22:03

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04-07812-5



TRC ALTON GEOSCIENCE  
 21 TECHNOLOGY DRIVE  
 IRVINE, CA 92618-2302  
 Attn: ANJU FARFAN

## Volatile Organic Analysis (EPA Method 8260)

| <b>COC Number</b>        |        | ---          |                |       |        |           |          |          |         | <b>Receive Date/Time</b>  |          | 07/29/2004 @ 21:15 |         |           |
|--------------------------|--------|--------------|----------------|-------|--------|-----------|----------|----------|---------|---------------------------|----------|--------------------|---------|-----------|
| <b>Project Number</b>    |        | 5043         |                |       |        |           |          |          |         | <b>Sampling Date/Time</b> |          | 07/22/2004 @ 10:44 |         |           |
| <b>Sampling Location</b> |        | ---          |                |       |        |           |          |          |         | <b>Sample Depth</b>       |          | ---                |         |           |
| <b>Sampling Point</b>    |        | MW-6         |                |       |        |           |          |          |         | <b>Sample Matrix</b>      |          | Groundwater        |         |           |
| <b>Sampled By</b>        |        | DAVID TENNEY |                |       |        |           |          |          |         | <b>BCL Sample ID</b>      |          | 04-07812-6         |         |           |
| Constituent              | Result | Units        | PQL            | MDL   | Method | Prep Date | Run Date | Run Time | Analyst | Instru-ment ID            | Dilution | QC Batch ID        | MB Bias | Lab Quals |
| Benzene                  | 4100   | ug/L         | 200            | 18    | 8260   | 08/02/04  | 08/02/04 | 18:39    | MWB     | MS-D1                     | 250      | 396-100244         | ND      |           |
| Ethylbenzene             | 4000   | ug/L         | 200            | 28    | 8260   | 08/02/04  | 08/02/04 | 18:39    | MWB     | MS-D1                     | 250      | 396-100244         | ND      |           |
| Toluene                  | 5100   | ug/L         | 200            | 21    | 8260   | 08/02/04  | 08/02/04 | 18:39    | MWB     | MS-D1                     | 250      | 396-100244         | ND      |           |
| Total Xylenes            | 16000  | ug/L         | 300            | 69    | 8260   | 08/02/04  | 08/02/04 | 18:39    | MWB     | MS-D1                     | 250      | 396-100244         | ND      |           |
| Ethanol                  | < PQL  | ug/L         | 300000         | 16000 | 8260   | 08/02/04  | 08/02/04 | 18:39    | MWB     | MS-D1                     | 250      | 396-100244         | ND      |           |
| Methyl t-butyl ether     | < PQL  | ug/L         | 200            | 18    | 8260   | 08/02/04  | 08/02/04 | 18:39    | MWB     | MS-D1                     | 250      | 396-100244         | ND      |           |
| TPH Gas                  | 110000 | ug/L         | 20000          | 6300  | 8260   | 08/02/04  | 08/02/04 | 18:39    | MWB     | MS-D1                     | 250      | 396-100244         | ND      |           |
| Surrogate Compounds      | Result | Units        | Control Limits |       | Method | Prep Date | Run Date | Run Time | Analyst | Instru-ment ID            | Dilution | QC Batch ID        | MB Bias | Lab Quals |
| 1,2-Dichloroethane-d4    | 113    | %            | 76-114         |       | 8260   | 08/02/04  | 08/02/04 | 18:39    | MWB     | MS-D1                     | 250      | 396-100244         |         |           |
| Toluene-d8               | 102    | %            | 88-110         |       | 8260   | 08/02/04  | 08/02/04 | 18:39    | MWB     | MS-D1                     | 250      | 396-100244         |         |           |
| 4-Bromofluorobenzene     | 101    | %            | 86-115         |       | 8260   | 08/02/04  | 08/02/04 | 18:39    | MWB     | MS-D1                     | 250      | 396-100244         |         |           |

**Comments**  
 PQL's and MDL's are raised due to sample dilution.

California DOHS Certification #1186



TRC ALTON GEOSCIENCE  
 21 TECHNOLOGY DRIVE  
 IRVINE, CA 92618-2302  
 Attn: ANJU FARFAN

## Fuel Identification / Quantitation Summary (EPA Method 8015M)

| <b>COC Number</b>                 |        | ---          |                |     |        |           |          |          |         | <b>Receive Date/Time</b>  |          | 07/29/2004 @ 21:15 |         |           |
|-----------------------------------|--------|--------------|----------------|-----|--------|-----------|----------|----------|---------|---------------------------|----------|--------------------|---------|-----------|
| <b>Project Number</b>             |        | 5043         |                |     |        |           |          |          |         | <b>Sampling Date/Time</b> |          | 07/22/2004 @ 10:44 |         |           |
| <b>Sampling Location</b>          |        | ---          |                |     |        |           |          |          |         | <b>Sample Depth</b>       |          | ---                |         |           |
| <b>Sampling Point</b>             |        | MW-6         |                |     |        |           |          |          |         | <b>Sample Matrix</b>      |          | Groundwater        |         |           |
| <b>Sampled By</b>                 |        | DAVID TENNEY |                |     |        |           |          |          |         | <b>BCL Sample ID</b>      |          | 04-07812-6         |         |           |
| Constituent                       | Result | Units        | PQL            | MDL | Method | Prep Date | Run Date | Run Time | Analyst | Instru-ment ID            | Dilution | QC Batch ID        | MB Bias | Lab Quals |
| Diesel Range Organics (C12 - C24) | 33000  | ug/L         | 2000           | 660 | 8015M  | 08/04/04  | 08/10/04 | 09:48    | MAA     | GC-12A                    | 10       |                    |         | A52       |
| Surrogate Compounds               | Result | Units        | Control Limits |     | Method | Prep Date | Run Date | Run Time | Analyst | Instru-ment ID            | Dilution | QC Batch ID        | MB Bias | Lab Quals |
| Tetracosane                       | 81     | %            | 53-124         |     | 8015M  | 08/04/04  | 08/10/04 | 09:48    | MAA     | GC-12A                    | 10       |                    |         |           |

| Flag | Explanations                        |
|------|-------------------------------------|
| A52  | Chromatogram not typical of diesel. |

California DOHS Certification #1186

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04-07812-6



BC Laboratories, Inc

B C LABORATORIES  
QUALITY CONTROL REPORT

TRC ALTON GEOSCIENCE  
21 TECHNOLOGY DRIVE  
IRVINE, CA 92618-2302  
ANJU FARFAN

Date of Report: 08/13/2004  
Sample Matrix: Groundwater  
QC Batch ID: 200407812-1\*DIESEL

Samples Affected: 04-07812-1 - 04-07812-6

| Constituents                      | Method Blank Readings | Units | MS % Rec | MSD % Rec | Spike R.P.D. | LCS % Rec | Spike %Rec Control Limits | Precision Control Limits | LCS % Rec Control Limits |
|-----------------------------------|-----------------------|-------|----------|-----------|--------------|-----------|---------------------------|--------------------------|--------------------------|
| Diesel Range Organics (C12 - C24) | <200.                 | µg/L  | 70.      | 84.       | 18.          | 91.       | 55 - 137                  | 30                       | 64 - 122                 |

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference  
LCS = Laboratory Control Sample

Quality Control Officer

  
Danette Bohm



BC Laboratories, Inc.

B C LABORATORIES  
QUALITY CONTROL REPORT

Method 8260

TRC ALTON GEOSCIENCE  
21 TECHNOLOGY DRIVE  
IRVINE, CA 92618-2302  
ANJU FARFAN

Date of Report: 08/05/2004  
Sample Matrix: Groundwater  
QC Batch ID: 200407812-1\*8260

Samples Affected: 04-07812-1 - 04-07812-6

| Constituents | Method Blank Readings | Units | MS % Rec | MSD % Rec | Spike R.P.D. | LCS % Rec | Spike %Rec Control Limits | Precision Control Limits | LCS % Rec Control Limits |
|--------------|-----------------------|-------|----------|-----------|--------------|-----------|---------------------------|--------------------------|--------------------------|
| Benzene      | < 0.5                 | µg/L  | 99.      | 106.      | 4.           | 101.      | 70 - 130                  | 20                       | 70 - 130                 |
| Toluene      | < 0.5                 | µg/L  | 102.     | 97.       | 3.           | 105.      | 70 - 130                  | 20                       | 70 - 130                 |

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference  
LCS = Laboratory Control Sample

Quality Control Officer

*Sharon Maureri*  
Danette Bohm

Submission #: 04-07012

Project Code:

TB Batch #

SHIPPING INFORMATION

Federal Express  UPS  Hand Delivery  BC Lab Field Service  Other  (Specify) \_\_\_\_\_

SHIPPING CONTAINER

Ice Chest  Box  None  Other  (Specify) \_\_\_\_\_

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals: Ice Chest  Containers  None  Intact? Yes  No  Intact? Yes  No  Comments: \_\_\_\_\_

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

COC Received  YES  NO

Ice Chest ID \_\_\_\_\_ Temperature: 1.2 °C Thermometer ID: TH080

Emmissivity 0.93 Container Q1A

Date/Time: 7/29/04 2:15 Analyst Init: SLK

SAMPLE CONTAINERS

SAMPLE NUMBERS

|                                      | 1   | 2   | 3   | 4   | 5   | 6   | 7 | 8 | 9 | 10 |
|--------------------------------------|-----|-----|-----|-----|-----|-----|---|---|---|----|
| QT GENERAL MINERAL/ GENERAL PHYSICAL |     |     |     |     |     |     |   |   |   |    |
| PT PE UNPRESERVED                    |     |     |     |     |     |     |   |   |   |    |
| QT INORGANIC CHEMICAL METALS         |     |     |     |     |     |     |   |   |   |    |
| PT INORGANIC CHEMICAL METALS         |     |     |     |     |     |     |   |   |   |    |
| PT CYANIDE                           |     |     |     |     |     |     |   |   |   |    |
| PT NITROGEN FORMS                    |     |     |     |     |     |     |   |   |   |    |
| PT TOTAL SULFIDE                     |     |     |     |     |     |     |   |   |   |    |
| 2oz. NITRATE / NITRITE               |     |     |     |     |     |     |   |   |   |    |
| 100ml TOTAL ORGANIC CARBON           |     |     |     |     |     |     |   |   |   |    |
| QT TOX                               |     |     |     |     |     |     |   |   |   |    |
| PT CHEMICAL OXYGEN DEMAND            |     |     |     |     |     |     |   |   |   |    |
| PIA PHENOLICS                        |     |     |     |     |     |     |   |   |   |    |
| 40ml VOA VIAL TRAVEL BLANK           |     |     |     |     |     |     |   |   |   |    |
| 40ml VOA VIAL                        | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |   |   |   |    |
| QT EPA 413.1, 413.2, 418.1           |     |     |     |     |     |     |   |   |   |    |
| PT ODOR                              |     |     |     |     |     |     |   |   |   |    |
| RADIOLOGICAL                         |     |     |     |     |     |     |   |   |   |    |
| BACTERIOLOGICAL                      |     |     |     |     |     |     |   |   |   |    |
| 40 ml VOA VIAL- 504                  |     |     |     |     |     |     |   |   |   |    |
| QT EPA 508/608/8080                  |     |     |     |     |     |     |   |   |   |    |
| QT EPA 515.1/8150                    |     |     |     |     |     |     |   |   |   |    |
| QT EPA 525                           |     |     |     |     |     |     |   |   |   |    |
| QT EPA 525 TRAVEL BLANK              |     |     |     |     |     |     |   |   |   |    |
| 100ml EPA 547                        |     |     |     |     |     |     |   |   |   |    |
| 100ml EPA 531.1                      |     |     |     |     |     |     |   |   |   |    |
| QT EPA 548                           |     |     |     |     |     |     |   |   |   |    |
| QT EPA 549                           |     |     |     |     |     |     |   |   |   |    |
| QT EPA 632                           |     |     |     |     |     |     |   |   |   |    |
| QT EPA 8015M                         | 2.3 | 2   |     |     |     | 2   |   |   |   |    |
| QT QA/QC                             |     |     |     |     |     |     |   |   |   |    |
| QT AMBER                             |     |     |     |     |     |     |   |   |   |    |
| 8 OZ. JAR                            |     |     |     |     |     |     |   |   |   |    |
| 32 OZ. JAR                           |     |     |     |     |     |     |   |   |   |    |
| SOIL SLEEVE                          |     |     |     |     |     |     |   |   |   |    |
| PCB VIAL                             |     |     |     |     |     |     |   |   |   |    |
| PLASTIC BAG                          |     |     |     |     |     |     |   |   |   |    |
| FERROUS IRON                         |     |     |     |     |     |     |   |   |   |    |
| ENCORE                               |     |     |     |     |     |     |   |   |   |    |

Comments:

Sample Numbering Completed By: RDM Date/Time: 7/30/04 1056



Submission #: 04-07812

Project Code:                     

TB Batch #                     

SHIPPING INFORMATION

Federal Express  UPS  Hand Delivery   
BC Lab Field Service  Other  (Specify)                     

SHIPPING CONTAINER

Ice Chest  None   
Box  Other  (Specify)                     

Refrigerant: Ice  Blue Ice  None  Other  Comments:                     

Custody Seals: Ice Chest  Containers  None  Comments:                       
Intact? Yes  No  Intact? Yes  No

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

COC Received  
 YES  NO

Ice Chest ID                       
Temperature: 0.2 °C  
Thermometer ID: TH080

Emissivity 0.93  
Container QA

Date/Time: 7-29-04  
2:15  
Analyst Init SLC

SAMPLE CONTAINERS

SAMPLE NUMBERS

1 2 3 4 5 6 7 8 9 10

QT GENERAL MINERAL/ GENERAL PHYSICAL

PT PE UNPRESERVED

QT INORGANIC CHEMICAL METALS

PT INORGANIC CHEMICAL METALS

PT CYANIDE

PT NITROGEN FORMS

PT TOTAL SULFIDE

2oz. NITRATE / NITRITE

100ml TOTAL ORGANIC CARBON

QT TOX

PT CHEMICAL OXYGEN DEMAND

PIA PHENOLICS

40ml VOA VIAL TRAVEL BLANK

40ml VOA VIAL

QT EPA 413.1, 413.2, 418.1

PT ODOR

RADIOLOGICAL

BACTERIOLOGICAL

40 ml VOA VIAL- 504

QT EPA 508/608/8080

QT EPA 515.1/8150

QT EPA 525

QT EPA 525 TRAVEL BLANK

100ml EPA 547

100ml EPA 531.1

QT EPA 548

QT EPA 549

QT EPA 632

QT EPA 801.5M

QT QA/OC

QT AMBER

8 OZ. JAR

32 OZ. JAR

SOIL SLEEVE

PCB VIAL

PLASTIC BAG

FERROUS IRON

ENCORE

2,3 3 2,3 2,3 3

Comments:                       
Sample Numbering Completed By: RAM Date/Time: 7/30/04 10:56



BC Laboratories, Inc.

# Chain of Custody Form

PLEASE COMPLETE:  
BCL QUOTE ID:

Page 1 of 1

36533

|   |  |
|---|--|
| Report To: <b>TRC</b>                               | Project #: <b>410500-01/FA20</b>         |
| Client: <b>Anju Farfan</b>                          | Project Name: <b>9043</b>                |
| Street Address: <b>21 Technology Drive</b>          | Project Code:                            |
| City, State, Zip: <b>Irvine, CA, 92618</b>          | Sampler(s): <b>David Tenney</b>          |
| Phone: <b>949-341-7440</b> Fax: <b>949-753-0111</b> | Site address: <b>449 Heznerberger Rd</b> |
| Email Address: <b>afarfan@trcsolutions.com</b>      | <b>Oakland</b>                           |
| Submittal #: <b>04-07812</b>                        |  |

## Analysis Requested

*Please refer to the back of this form for completion instructions and method legend.*

|                    |   |
|--------------------|---|
| TPH-D by 8015m     | X |
| TPH by 8260B       | X |
| BTEX/MTBE by 8260A | X |
| Ethanol by 8260A   | X |

Comments:

**T0600101476**  
per Peter  
MM 8/4

| Sample # | Description | Date Sampled | Time Sampled |
|----------|-------------|--------------|--------------|
| -1       | MW-9        | 7/22/04      | 0954         |
| -2       | MW-3        |              | 1007         |
| -3       | MW-10       |              | 1026         |
| -4       | MW-7        |              | 1103         |
| -5       | MW-8        |              | 1119         |
| -6       | MW-6        |              | 1044         |

| Sample Matrix |        |                |              |             | Turnaround # of work days * | Notes                                  |
|---------------|--------|----------------|--------------|-------------|-----------------------------|--|
| Soil          | Sludge | Drinking Water | Ground Water | Waste Water |                             |  |
|               |        | X              |              |             | 570                         | 3 Vials w/HCl, 2 1L ampers unpreserved |

Are there any tests with holding times less than or equal to 48 hours?  
 Yes  No

\* Standard Turnaround = 15 work days

CHK BY: **OTO** DISTRIBUTION: **SB**

|   |  |   |  |   |
|---|--|---|--|---|
| <b>Billing</b>  | <input type="checkbox"/> Same as above | Report Drinking Waters on State Form?<br><input type="checkbox"/> Yes <input type="checkbox"/> No | Sample Disposal<br><input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive: Months _____ | Special Reporting<br><input type="checkbox"/> QC <input type="checkbox"/> WIP <input type="checkbox"/> Raw Data |
| Client:   | Address:                               | City: _____ State _____ Zip _____   | Attn: _____  | PO#:  |
| Send Copy to State of CA?<br><input type="checkbox"/> Yes <input type="checkbox"/> No |  | 1. Relinquished By: <b>Daba Toy</b> Date: <b>7-22-04</b> Time: <b>1753</b>                        | 2. Relinquished By: <b>J. Johnson</b> Date: <b>7-29-04</b> Time: <b>2115</b>   | 3. Relinquished By:   |
|   |  | 1. Received By: <b>J. Johnson</b> Date: <b>7-29-04</b> Time: <b>1555</b>                          | 2. Received By: <b>Shelly Carlson</b> Date: <b>7-29-04</b> Time: <b>2115</b>   | 3. Received By:   |

## **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.