ConocoPhillips

76 Broadway
Sacramento, CA 95818
phone 916.558.7676
fax 916.558.7639

April 20, 2005

Mr. Don Hwang
Alameda County Health Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: **Document Transmittal**
Fuel Leak Case
76 Station #7004
15599 Hesperian Blvd.
San Leandro, CA

Dear Mr. Hwang:

Please find attached Secor's *Quarterly Summary Report, dated 4/25/05,* and TRC's *Quarterly Monitoring Report, dated 3/17/05* for the above referenced site. I declare, under penalty of perjury, that to the best of my knowledge the information and/or recommendations contained in the attached proposal or report is true and correct.

If you have any questions or need additional information, please call me at (916) 558-7666.

Sincerely,

Thomas H. Kosel
Site Manger, Risk Management and Remediation
ConocoPhillips
76 Broadway, Sacramento, CA 95818

Attachment
cc: Tom Potter, Secor

SECOR

SECOR
INTERNATIONAL
INCORPORATED

www.secor.com
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
916-861-0400 TEL
916-861-0430 FAX

April 25, 2005

Mr. Donald Hwang
Alameda County Environmental Health Services
1131 Harbor Bay Parkway Suite 250
Alameda, CA 94502

RE: **Quarterly Summary and Monitoring Report – First Quarter 2005**
SECOR Project No.: 77CP.60009.01.7004

Dear Mr. Hwang:

On behalf of ConocoPhillips, SECOR International Incorporated (SECOR) is forwarding the quarterly summary report for the following location:

| **Service Station** | **Location** |
|---|---|
| 76 Service Station No. 7004 | 15599 Hesperian Blvd<br>San Leandro, CA |

If you have questions or comments regarding this quarterly summary report, please do not hesitate to contact me at (916) 861-0400.

Sincerely,
**SECOR International Incorporated**

Thomas M. Potter
Project Manager

Attachments: SECOR's *Quarterly Summary Report – First Quarter 2005*
Attachment 1 - Quarterly Monitoring Report January through March 2005 (TRC, 2005)

cc: Mr. Thomas Kosel, ConocoPhillips
Mr. David Luick, Target Corporation, 1000 Nicollet Mall, TPN – 0725 Minneapolis, MN 55403-9411
Mr. Alan Guttenberg, Guttenberg, Rapson and Colvin LLP, 101 Lucas Valley Road, Suite 216, San Rafael, CA 94903
Gary Ragghianti, Ragghianti Freitas LLP, 874 Fourth Street, Suite D, San Rafael CA 94901

SECOR



# QUARTERLY SUMMARY REPORT
## First Quarter 2005

76 Service Station No. 7004
15599 Hesperian Blvd
San Leandro, CA

City/County ID #: San Leandro

County: Alameda

**PREVIOUS ASSESSMENT**

The site is a former 76 Service Station which was demolished in May of 2000. At that time all subsurface tanks, piping and aboveground components were removed. The site is currently a paved parking lot within a Target department store complex, and is situated adjacent to a former auto parts store, which is currently vacant. The site is located at the northwest corner of Hesperian Boulevard and Lewelling Boulevard, in San Leandro, California.

In October, 1990, Kaprealian Engineering, Inc (Kaprealian) observed the removal of three underground storage tanks (USTs) and removal and replacement of product piping at the Site. The tanks included one [steel] 12,000-gallon super unleaded fuel tank and two [steel] 12,000-gallon regular unleaded fuel tanks. No holes or cracks were observed in the tanks. 14 confirmation soil samples were collected from the tank pit and analyzed for total petroleum hydrocarbons as gasoline (TPHg), and benzene, toluene, ethylbenzene, and xylenes (BTEX). Soil samples collected from the final tank excavation contained up to 30 milligrams per kilogram (mg/kg) TPHg and 0.054 mg/kg benzene. Toluene, ethylbenzene, and xylenes were also detected. A water sample collected from the tank pit contained 4,300 parts per billion (ppb) TPHg and 40 ppb benzene. Samples collected from the final pipeline trenches contained up to 20 mg/kg TPHg and 0.057 mg/kg benzene, as well as toluene, ethylbenzene, and xylenes.

In April and June, 1991 KEI supervised the installation of six 2-inch diameter monitoring wells (MW1 through MW6). All wells were completed to 25 to 26 feet below ground surface (bgs). Select soil samples and grab groundwater samples from each well were analyzed for TPHg and BTEX. Soil samples contained up to 4,800 parts per million (ppm) TPHg and 23 ppm benzene (17.5 feet bgs in MW3). Toluene, ethylbenzene, and xylenes were also detected. Post development groundwater samples from these wells contained up to 34,000 ppb TPHg and 6,100 ppb benzene (MW3).

In April, 1992, KEI supervised the installation of one 6-inch diameter recovery well (RW-1). RW-1 was completed at a total depth of 29.5 feet bgs. Soil and groundwater samples were not collected from the boring.

In May, 1992 KEI conducted an Aquifer test at the site utilizing well RW-1 for extraction and MW-2, MW3, MW4, and MW5 for observation. Aquifer parameters determined from the test (via the Theis method) for RW1 were as follows:

- Transmissivity (confined): 35 $ft^2$/day
- Storativity (confined): $6.3E^{-6}$
- Conductivity (confined): 0.3 ft/day

In May, 2000, Gettler-Ryan observed the removal of two 12,000-gallon, double-walled glasteel USTs and fiberglass product piping and dispensers at the Site. At this time all Station-related structures were also demolished and removed. Four soil samples were collected from the tank pit excavation, and four were collected from the pipeline trenches. The samples were analyzed for TPHg, BTEX and methyl tertiary butyl ether (MtBE). Tank pit samples contained up to 350 ppm TPHg, 4.8 ppm ethylbenzene, and 0.81 ppm xylenes, but were non-detectable for benzene and MtBE. Pipeline trench samples were non-detectable for all analytes.

In March, 2005, SECOR performed a preferential pathway survey to delineate underground utilities that may act as a water transport beneath the site. Utilities were identified to be underground ranging from 20 inches bgs to 4 feet bgs. Off-site utilities, sewer and storm drain, were identified on the east side of Hesperian Blvd. between 6 to 7 feet bgs. Average groundwater elevation over the last five years averaged 22.89 feet bgs. Data presented did not identify utilities and associated utility trenches that will act as a preferential pathway.

## SENSITIVE RECEPTORS

In 2001 GR performed a ½ mile radius well survey for the Site. The survey identified three domestic water supply wells located within 2,500 feet of the Site. One of the wells was located 2,275 feet from the site in the upgradient direction. Two of the wells were located within 2,300 feet of the Site in the downgradient direction.

## MONITORING AND SAMPLING

The Site has been monitored and sampled since 2nd quarter, 1991. Between 1991 and 1995, Monitoring was conducted quarterly. Between 1996 and 2001 the Site was monitored semiannually. From January, 2002 to July, 2003 the Site was monitored monthly. Currently, seven well (MW-1 through MW-6 and RW-1) are sampled quarterly. Samples are analyzed for total purgable petroleum hydrocarbons (TPPH), BTEX, and fuel oxygenates.

## REMEDIAL STATUS

Oxygen releasing compound was placed in MW-5 in 1999. Oxygen releasing compound (360 pounds) was also placed in the bottom of the UST pit during 2000 tank removal in 2000. There is no current active remediation.

## CHARACTERIZATION STATUS

Contamination in soil has been adequately delineated. Samples collected the initial tank and line replacement in 1990 and during demolition and closure of the service station in 2000 indicate that contamination in soil is limited to small areas adjacent to the west and north sides of the former UST pit. Contamination in groundwater has been partially delineated. Recent groundwater monitoring data indicate dissolved contamination is localized in the vicinity of MW-3. This contamination is delineated to the north, east, and south, but is not fully delineated in the previously reported downgradient direction (southwest) and the current reported downgradient direction (northwest).

## RECENT SUBMITTALS/CORRESPONDENCE

Received – February 16, 2005 Work plan denial letter for the October 14, 2004 Work Plan for Off-Site monitoring Well Installation, from the Alameda County Environmental Health Services.

## DISCUSSION

During the first quarter 2005, depth to groundwater ranged between 12.21 and 13.70 feet bgs, which was in range of historical levels. The direction of groundwater flow was toward the northwest, which is not consistent with the groundwater flow direction reported over previous quarters.

Evaluation of dissolved concentrations through the first quarter 2005 indicates that the highest concentrations of residual petroleum hydrocarbons and MtBE continue to be detected in on-site well MW-3, RW-1 and MW-5. TPPH was reported at its highest in well MW-3 this quarter at 4600 µg/L. Concentration trends of TPPH in MW-3 and MtBE in MW-5 indicate that the plumes have not stabilized nor show a declining trend.

Additionally, the preferential pathway survey conducted in March 2005 did not reveal underground utilities that could pose as a pathway for groundwater. Utilities identified ranged from 20 inches to 7 feet below ground surface. Depth to water in the area ranges between 12.21 to 13.70 feet.

SECOR is preparing a work plan addendum to address the vertical and lateral extent of petroleum hydrocarbons and fuel oxygenates in soil and groundwater. This addendum is a response to the February 16, 2005 letter from the ACEHS rejecting the October 14, 2004 workplan for installation of two off-site monitoring wells. ACEHS's reason for denial is "We feel that it would be premature to install more monitoring wells without additional groundwater sampling to determine the location of the plume for optimal well locations."

**THIS QUARTER ACTIVITIES (First Quarter 2005)**

1. TRC conducted coordinated quarterly groundwater monitoring and sampling event.

2. Performed a preferential pathway survey, will be submitted with work plan for soil and groundwater sampling and interim dual phase extraction.

3. Waiting for access agreement for soil borings.

4. Submitted Quarterly Summary Report for fourth quarter 2004.

**NEXT QUARTER ACTIVITIES (Second Quarter 2005)**

1. TRC to perform quarterly groundwater monitoring and sampling event.

2. Prepare and submit work plan for Soil and water sampling with remedial actions.

3. Waiting for access agreement for off-site soil borings.

4. Prepare and submit first quarter quarterly summary and monitoring report.

# ATTACHMENT
# QUARTERLY MONITORING REPORT
# JANUARY THROUGH MARCH 2005 (TRC)

76 Service Station No. 7004
15599 Hesperian Blvd
San Leandro, California
April 25, 2005

TRC

*Customer-Focused Solutions*

March 17, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS KOSEL

SITE: FORMER 76 STATION 7004
15599 HESPERIAN BOULEVARD
SAN LEANDRO, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2005

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for Former 76 Station 7004, located at 15599 Hesperian Boulevard, San Leandro, 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. Thomas Potter, Secor International, Inc. (2 copies)

Enclosures
20-0400/7004R06.QMS

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

TRC

Customer-Focused Solutions

# QUARTERLY MONITORING REPORT
# JANUARY THROUGH MARCH 2005

FORMER 76 STATION 7004
15599 Hesperian Boulevard
San Leandro, California

Prepared For:

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

By:


Senior Project Geologist, Irvine Operations
March 17, 2005

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

| LIST OF ATTACHMENTS | |
|---|---|
| Summary Sheet | Summary of Gauging and Sampling Activities |
| Tables | Table Key<br>Table 1: Current Fluid Levels and Selected Analytical Results<br>Table 2: Historic Fluid Levels and Selected Analytical Results<br>Table 3: Additional Analytical Results |
| Figures | Figure 1: Vicinity Map<br>Figure 2: Groundwater Elevation Contour Map<br>Figure 3: Dissolved-Phase TPPH Concentration Map<br>Figure 4: Dissolved-Phase Benzene Concentration Map<br>Figure 5: Dissolved-Phase MTBE Concentration Map |
| Graphs | Groundwater Elevations vs. Time<br>MTBE 8260B Concentrations vs. Time<br>MTBE 8021B Concentrations vs. Time |
| Field Activities | General Field Procedures<br>Groundwater Sampling Field Notes |
| Laboratory Reports | Official Laboratory Reports<br>Quality Control Reports<br>Chain of Custody Records |
| Statements | Purge Water Disposal<br>Limitations |

# Summary of Gauging and Sampling Activities
## January 2005 through March 2005
## Former 76 Station 7004
## 15599 Hesperian Boulevard
## San Leandro, CA

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

### Sample Points

Groundwater wells: **7** onsite, **0** offsite Wells gauged: **7** Wells sampled: **7**
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: **12.21 feet** Maximum: **13.7 feet**
Average groundwater elevation (relative to available local datum): **23.34 feet**
Average change in groundwater elevation since previous event: **1.41 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.001 ft/ft, northwest**
Previous event: **0.005 ft/ft, southwest (10/19/04)**

### Selected Laboratory Results

Wells with detected **Benzene:** **1** Wells above MCL (1.0 µg/l): **0**
Maximum reported benzene concentration: **0.96 µg/l (MW-3)**

Wells with **TPPH 8260B** **2** Maximum: **4,600 µg/l (MW-3)**
Wells with **MTBE** **3** Maximum: **89 µg/l (MW-5)**

### Notes:

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

# TABLES

# TABLE KEY

STANDARD ABREVIATIONS

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

ANALYTES

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

NOTES

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

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 7004 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

**Table 1**

**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**January 5, 2005**

**Former 76 Station 7004**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE 8021B (µg/l) | MTBE 8260B (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | **(Screen Interval in feet: 10.0-25.0)** | | | | | | | | | | | | |
| 01/05/05 | 36.39 | 13.11 | 0.00 | 23.28 | 0.93 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| **MW-2** | | **(Screen Interval in feet: 10.0-25.0)** | | | | | | | | | | | | |
| 01/05/05 | 37.07 | 13.70 | 0.00 | 23.37 | 1.29 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| **MW-3** | | **(Screen Interval in feet: 10.0-25.0)** | | | | | | | | | | | | |
| 01/05/05 | 36.79 | 13.44 | 0.00 | 23.35 | 1.46 | -- | 4600 | 0.96 | 0.73 | 42 | 1.4 | -- | ND<2.5 | |
| **MW-4** | | **(Screen Interval in feet: 10.0-26.0)** | | | | | | | | | | | | |
| 01/05/05 | 35.44 | 12.21 | 0.00 | 23.23 | 1.57 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 2.7 | |
| **MW-5** | | **(Screen Interval in feet: 10.0-26.0)** | | | | | | | | | | | | |
| 01/05/05 | 36.81 | 13.48 | 0.00 | 23.33 | 1.65 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 89 | |
| **MW-6** | | **(Screen Interval in feet: 10.0-26.0)** | | | | | | | | | | | | |
| 01/05/05 | 37.13 | 13.68 | 0.00 | 23.45 | 1.53 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| **RW-1** | | **(Screen Interval in feet: 12.5-27.5)** | | | | | | | | | | | | |
| 01/05/05 | -- | 13.23 | 0.00 | -- | -- | -- | 160 | ND<0.50 | ND<0.50 | 2.2 | ND<1.0 | -- | 2.5 | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**May 1991 Through January 2005**

**Former 76 Station 7004**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE 8021B (µg/l) | MTBE 8260B (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | **(Screen Interval in feet: 10.0-25.0)** | | | | | | | | | | | | | |
| 05/04/91 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 07/23/91 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 10/14/91 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 01/14/92 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 04/14/92 | -- | -- | -- | -- | -- | 76 | -- | ND | ND | ND | ND | -- | -- | |
| 07/09/92 | -- | -- | -- | -- | -- | 70 | -- | ND | ND | ND | ND | 130 | -- | |
| 10/28/92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Sampled Semi-Annually |
| 01/21/93 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | 42 | -- | |
| 04/20/93 | 36.89 | 14.89 | 0.00 | 22.00 | -- | -- | -- | -- | -- | -- | -- | 56 | -- | |
| 07/22/93 | 36.89 | 14.34 | 0.00 | 22.55 | 0.55 | ND | -- | ND | ND | ND | ND | 77 | -- | |
| 10/06/93 | 36.39 | 14.87 | 0.00 | 21.52 | -1.03 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/11/94 | 36.39 | 15.14 | 0.00 | 21.25 | -0.27 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 04/06/94 | 36.39 | 14.19 | 0.00 | 22.20 | 0.95 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/08/94 | 36.39 | 14.66 | 0.00 | 21.73 | -0.47 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 10/06/94 | 36.39 | 16.71 | 0.00 | 19.68 | -2.05 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/05/95 | 36.39 | 14.68 | 0.00 | 21.71 | 2.03 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 04/05/95 | 36.39 | 11.76 | 0.00 | 24.63 | 2.92 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/14/95 | 36.39 | 12.93 | 0.00 | 23.46 | -1.17 | ND | -- | 0.65 | 2.2 | ND | 2.3 | -- | -- | |
| 10/12/95 | 36.39 | 14.29 | 0.00 | 22.10 | -1.36 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/08/96 | 36.39 | 14.18 | 0.00 | 22.21 | 0.11 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 07/08/96 | 36.39 | 12.74 | 0.00 | 23.65 | 1.44 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/03/97 | 36.39 | 12.89 | 0.00 | 23.50 | -- | 87 | -- | ND | ND | ND | ND | ND | -- | |
| 07/02/97 | 36.39 | 13.66 | 0.00 | 22.73 | -0.77 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/15/98 | 36.39 | 13.08 | 0.00 | 23.31 | 0.58 | ND | -- | ND | ND | ND | ND | ND | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**May 1991 Through January 2005**

**Former 76 Station 7004**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE 8021B (µg/l) | MTBE 8260B (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 continued | | | | | | | | | | | | | | |
| 07/08/98 | 36.39 | 11.25 | 0.00 | 25.14 | 1.83 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/11/99 | 36.39 | 13.68 | 0.00 | 22.71 | -2.43 | 51 | -- | ND | ND | ND | ND | 4.8 | -- | |
| 07/07/99 | 36.39 | 12.15 | 0.00 | 24.24 | 1.53 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/04/00 | 36.39 | 13.95 | 0.00 | 22.44 | -1.80 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 07/15/00 | 36.39 | 13.46 | 0.00 | 22.93 | 0.49 | ND | -- | ND | 0.86 | ND | ND | ND | -- | |
| 01/19/01 | 36.39 | 12.96 | 0.00 | 23.43 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 07/31/01 | 36.39 | 14.36 | 0.00 | 22.03 | -1.40 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/28/02 | 36.39 | 12.89 | 0.00 | 23.50 | 1.47 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 04/22/02 | 36.39 | 12.86 | 0.00 | 23.53 | 0.03 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 05/24/02 | 36.39 | 13.16 | 0.00 | 23.23 | -0.30 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<0.50 | |
| 06/21/02 | 36.39 | 13.52 | 0.00 | 22.87 | -0.36 | -- | 76 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 0.59 | |
| 07/29/02 | 36.39 | 13.76 | 0.00 | 22.63 | -0.24 | -- | 54 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 08/29/02 | 36.39 | 14.10 | 0.00 | 22.29 | -0.34 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 09/14/02 | 36.39 | 14.18 | 0.00 | 22.21 | -0.08 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 10/25/02 | 36.39 | 14.63 | 0.00 | 21.76 | -0.45 | -- | ND<50 | 0.91 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 11/27/02 | 36.39 | 14.34 | 0.00 | 22.05 | 0.29 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 12/19/02 | 36.39 | 13.60 | 0.00 | 22.79 | 0.74 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 01/24/03 | 36.39 | 12.03 | 0.00 | 24.36 | 1.57 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 02/15/03 | 36.39 | 12.42 | 0.00 | 23.97 | -0.39 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 03/17/03 | 36.39 | 12.54 | 0.00 | 23.85 | -0.12 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 04/18/03 | 36.39 | 12.43 | 0.00 | 23.96 | 0.11 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 05/19/03 | 36.39 | 12.38 | 0.00 | 24.01 | 0.05 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 06/16/03 | 36.39 | 13.02 | 0.00 | 23.37 | -0.64 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 07/18/03 | 36.39 | 13.66 | 0.00 | 22.73 | -0.64 | -- | 56 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**May 1991 Through January 2005**

**Former 76 Station 7004**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE 8021B (µg/l) | MTBE 8260B (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1 continued** | | | | | | | | | | | | | | |
| 10/01/03 | 36.39 | 14.47 | 0.00 | 21.92 | -0.81 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| 01/30/04 | 36.39 | 13.14 | 0.00 | 23.25 | 1.33 | -- | 120 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |
| 04/26/04 | 36.39 | 12.68 | 0.00 | 23.71 | 0.46 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| 07/28/04 | 36.39 | 13.79 | 0.00 | 22.60 | -1.11 | -- | 73 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| 10/19/04 | 36.39 | 14.04 | 0.00 | 22.35 | -0.25 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| 01/05/05 | 36.39 | 13.11 | 0.00 | 23.28 | 0.93 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| **MW-2** | **(Screen Interval in feet: 10.0-25.0)** | | | | | | | | | | | | | |
| 05/04/91 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 07/23/91 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 10/14/91 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 01/14/92 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 04/14/92 | -- | -- | -- | -- | -- | 45 | -- | ND | ND | ND | ND | -- | -- | |
| 07/09/92 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | 49 | -- | |
| 10/28/92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Sampled Semi-Annually |
| 01/21/93 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | 17 | -- | |
| 04/20/93 | 37.35 | 15.20 | 0.00 | 22.15 | -- | -- | -- | -- | -- | -- | -- | 80 | -- | |
| 07/22/93 | 37.35 | 14.75 | 0.00 | 22.60 | 0.45 | 62 | -- | ND | ND | ND | ND | 42 | -- | |
| 10/06/93 | 37.07 | 15.49 | 0.00 | 21.58 | -1.02 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/11/94 | 37.07 | 15.77 | 0.00 | 21.30 | -0.28 | 120 | -- | ND | ND | ND | ND | -- | -- | |
| 04/06/94 | 37.07 | 14.83 | 0.00 | 22.24 | 0.94 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/08/94 | 37.07 | 15.28 | 0.00 | 21.79 | -0.45 | 140 | -- | ND | ND | ND | ND | -- | -- | |
| 10/06/94 | 37.07 | 16.32 | 0.00 | 20.75 | -1.04 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/05/95 | 37.07 | 15.30 | 0.00 | 21.77 | 1.02 | 310 | -- | ND | ND | ND | ND | -- | -- | |
| 04/05/95 | 37.07 | 12.12 | 0.00 | 24.95 | 3.18 | -- | -- | -- | -- | -- | -- | -- | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**May 1991 Through January 2005**

**Former 76 Station 7004**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE 8021B (µg/l) | MTBE 8260B (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 continued | | | | | | | | | | | | | | |
| 07/14/95 | 37.07 | 13.55 | 0.00 | 23.52 | -1.43 | 86 | -- | ND | ND | ND | ND | -- | -- | |
| 10/12/95 | 37.07 | 14.88 | 0.00 | 22.19 | -1.33 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/08/96 | 37.07 | 14.81 | 0.00 | 22.26 | 0.07 | 91 | -- | ND | ND | ND | ND | -- | -- | |
| 07/08/96 | 37.07 | 13.37 | 0.00 | 23.70 | 1.44 | 100 | -- | ND | ND | ND | ND | ND | -- | |
| 01/03/97 | 37.07 | 13.14 | 0.00 | 23.93 | -- | 160 | -- | ND | ND | ND | ND | ND | -- | |
| 07/02/97 | 37.07 | 14.26 | 0.00 | 22.81 | -1.12 | 91 | -- | ND | ND | ND | ND | ND | -- | |
| 01/15/98 | 37.07 | 13.31 | 0.00 | 23.76 | 0.95 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 07/08/98 | 37.07 | 11.57 | 0.00 | 25.50 | 1.74 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/11/99 | 37.07 | 14.26 | 0.00 | 22.81 | -2.69 | ND | -- | ND | ND | ND | ND | 9.8 | -- | |
| 07/07/99 | 37.07 | 12.24 | 0.00 | 24.83 | 2.02 | ND | -- | ND | ND | ND | ND | 9.4 | -- | |
| 01/04/00 | 37.07 | 14.14 | 0.00 | 22.93 | -1.90 | ND | -- | ND | 0.518 | ND | ND | 9.07 | -- | |
| 07/15/00 | 37.07 | 13.75 | 0.00 | 23.32 | 0.39 | ND | -- | ND | 0.51 | ND | ND | 6.0 | -- | |
| 01/19/01 | 37.07 | 13.37 | 0.00 | 23.70 | -- | ND | -- | ND | ND | ND | ND | 6.84 | -- | |
| 07/31/01 | 37.07 | 14.96 | 0.00 | 22.11 | -1.59 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/28/02 | 37.07 | 13.51 | 0.00 | 23.56 | 1.45 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 04/22/02 | 37.07 | 13.48 | 0.00 | 23.59 | 0.03 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 05/24/02 | 37.07 | 13.78 | 0.00 | 23.29 | -0.30 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<0.50 | |
| 06/21/02 | 37.07 | 14.11 | 0.00 | 22.96 | -0.33 | -- | 100 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<0.50 | |
| 07/29/02 | 37.07 | 14.36 | 0.00 | 22.71 | -0.25 | -- | 60 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 08/29/02 | 37.07 | 14.71 | 0.00 | 22.36 | -0.35 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 09/14/02 | 37.07 | 14.81 | 0.00 | 22.26 | -0.10 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 10/25/02 | 37.07 | 15.23 | 0.00 | 21.84 | -0.42 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 11/27/02 | 37.07 | 14.95 | 0.00 | 22.12 | 0.28 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 12/19/02 | 37.07 | 14.10 | 0.00 | 22.97 | 0.85 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**May 1991 Through January 2005**

**Former 76 Station 7004**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE 8021B (µg/l) | MTBE 8260B (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 continued | | | | | | | | | | | | | | |
| 01/24/03 | 37.07 | 12.64 | 0.00 | 24.43 | 1.46 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 02/15/03 | 37.07 | 13.06 | 0.00 | 24.01 | -0.42 | -- | 64 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 03/17/03 | 37.07 | 13.18 | 0.00 | 23.89 | -0.12 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 04/18/03 | 37.07 | 13.06 | 0.00 | 24.01 | 0.12 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 05/19/03 | 37.07 | 13.07 | 0.00 | 24.00 | -0.01 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 06/16/03 | 37.07 | 13.72 | 0.00 | 23.35 | -0.65 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 07/18/03 | 37.07 | 14.35 | 0.00 | 22.72 | -0.63 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 10/01/03 | 37.07 | 15.10 | 0.00 | 21.97 | -0.75 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| 01/30/04 | 37.07 | 13.78 | 0.00 | 23.29 | 1.32 | -- | 130 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |
| 04/26/04 | 37.07 | 13.31 | 0.00 | 23.76 | 0.47 | -- | 53 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| 07/28/04 | 37.07 | 14.39 | 0.00 | 22.68 | -1.08 | -- | 63 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| 10/19/04 | 37.07 | 14.99 | 0.00 | 22.08 | -0.60 | -- | 56 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| 01/05/05 | 37.07 | 13.70 | 0.00 | 23.37 | 1.29 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| **MW-3** | **(Screen Interval in feet: 10.0-25.0)** | | | | | | | | | | | | | |
| 05/04/91 | -- | -- | -- | -- | -- | 34000 | -- | 6100 | 32 | 1200 | 6100 | -- | -- | |
| 07/23/91 | -- | -- | -- | -- | -- | 17000 | -- | 5500 | 26 | 1800 | 2800 | -- | -- | |
| 10/14/91 | -- | -- | -- | -- | -- | 25000 | -- | 6300 | 78 | 2000 | 1400 | -- | -- | |
| 01/14/92 | -- | -- | -- | -- | -- | 13000 | -- | 6600 | 19 | 2600 | 1800 | -- | -- | |
| 04/14/92 | -- | -- | -- | -- | -- | 16000 | -- | 3400 | 19 | 1400 | 1300 | -- | -- | |
| 07/09/92 | -- | -- | -- | -- | -- | 13000 | -- | 3200 | 12 | 1900 | 1100 | -- | -- | |
| 10/28/92 | -- | -- | -- | -- | -- | 15000 | -- | 4400 | 15 | 2400 | 800 | -- | -- | |
| 01/21/93 | -- | -- | -- | -- | -- | 12000 | -- | 2800 | 11 | 1600 | 590 | -- | -- | |
| 04/20/93 | 37.22 | 15.13 | 0.00 | 22.09 | -- | 18000 | -- | 3700 | 11 | 2300 | 1300 | 410 | -- | |
| 07/22/93 | 37.22 | 13.52 | 0.00 | 23.70 | 1.61 | 16000 | -- | 4500 | 17 | 3600 | 1900 | 440 | -- | |

## Table 2
## HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
## May 1991 Through January 2005
## Former 76 Station 7004

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE 8021B (µg/l) | MTBE 8260B (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 continued | | | | | | | | | | | | | | |
| 10/06/93 | 36.79 | 15.41 | 0.00 | 21.38 | -2.32 | 24000 | -- | 4100 | ND | 3600 | 2000 | ND | -- | |
| 01/11/94 | 36.79 | 15.66 | 0.00 | 21.13 | -0.25 | 19000 | -- | 3300 | 31 | 3300 | 890 | -- | -- | |
| 04/06/94 | 36.79 | 14.72 | 0.00 | 22.07 | 0.94 | 24000 | -- | 3100 | ND | 3300 | 820 | -- | -- | |
| 07/08/94 | 36.79 | 15.20 | 0.00 | 21.59 | -0.48 | 18000 | -- | 2200 | 25 | 2500 | 860 | -- | -- | |
| 10/06/94 | 36.79 | 16.23 | 0.00 | 20.56 | -1.03 | 20000 | -- | 2100 | 26 | 3000 | 900 | -- | -- | |
| 01/05/95 | 36.79 | 15.12 | 0.00 | 21.67 | 1.11 | 20000 | -- | 2100 | ND | 3200 | 3800 | -- | -- | |
| 04/05/95 | 36.79 | 12.03 | 0.00 | 24.76 | 3.09 | 18000 | -- | 2100 | ND | 3700 | 690 | -- | -- | |
| 07/14/95 | 36.79 | 13.46 | 0.00 | 23.33 | -1.43 | 21000 | -- | 1600 | ND | 3900 | 1500 | -- | -- | |
| 10/12/95 | 36.79 | 14.81 | 0.00 | 21.98 | -1.35 | 17000 | -- | 1000 | ND | 3600 | 1000 | -- | -- | |
| 01/08/96 | 36.79 | 14.70 | 0.00 | 22.09 | 0.11 | 14000 | -- | 760 | ND | 3100 | 380 | -- | -- | |
| 07/08/96 | 36.79 | 13.29 | 0.00 | 23.50 | 1.41 | 16000 | -- | 470 | 45 | 4400 | 1000 | 340 | -- | |
| 01/03/97 | 36.79 | 13.09 | 0.00 | 23.70 | -- | 14000 | -- | 160 | ND | 2100 | 120 | 620 | -- | |
| 07/02/97 | 36.79 | 13.96 | 0.00 | 22.83 | -0.87 | 23000 | -- | 110 | ND | 3600 | 1600 | 1200 | -- | |
| 01/15/98 | 36.79 | 13.26 | 0.00 | 23.53 | 0.70 | 12000 | -- | 33 | ND | 2800 | 120 | 1100 | -- | |
| 07/08/98 | 36.79 | 11.64 | 0.00 | 25.15 | 1.62 | 20000 | -- | 76 | ND | 4100 | 1400 | 750 | -- | |
| 01/11/99 | 36.79 | 14.17 | 0.00 | 22.62 | -2.53 | 23000 | -- | ND | ND | 4100 | 460 | 920 | -- | |
| 07/07/99 | 36.79 | 13.18 | 0.00 | 23.61 | 0.99 | 15000 | -- | 35 | ND | 3400 | 470 | 1700 | -- | |
| 01/04/00 | 36.79 | 14.27 | 0.00 | 22.52 | -1.09 | 15500 | -- | ND | ND | 3330 | 191 | 827 | -- | |
| 07/15/00 | 36.79 | 13.91 | 0.00 | 22.88 | 0.36 | 15000 | -- | ND | ND | 3400 | 420 | 3300 | -- | |
| 08/25/00 | 36.79 | 14.24 | 0.00 | 22.55 | -0.33 | -- | -- | -- | -- | -- | -- | 1920 | -- | |
| 01/19/01 | 36.79 | 13.42 | 0.00 | 23.37 | 0.82 | 11100 | -- | 38.4 | ND | 1760 | 38.8 | ND | -- | |
| 07/31/01 | 36.79 | 14.90 | 0.00 | 21.89 | -1.48 | 13000 | -- | ND | ND | 1600 | 63 | ND | -- | |
| 01/28/02 | 36.79 | 13.41 | 0.00 | 23.38 | 1.49 | 82 | -- | ND<0.50 | ND<0.50 | 10 | ND<0.50 | ND<2.5 | -- | |
| 04/22/02 | 36.79 | 13.41 | 0.00 | 23.38 | 0.00 | 7300 | -- | 39 | ND<25 | 970 | ND<25 | ND<120 | -- | |

**Table 2**
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**
**May 1991 Through January 2005**
**Former 76 Station 7004**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE 8021B (µg/l) | MTBE 8260B (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-3 continued** | | | | | | | | | | | | | | |
| 05/24/02 | 36.79 | 13.69 | 0.00 | 23.10 | -0.28 | -- | 8500 | ND<5 | ND<5 | 1200 | ND<10 | -- | 12 | |
| 06/21/02 | 36.79 | 14.04 | 0.00 | 22.75 | -0.35 | -- | 11000 | ND<5 | ND<5 | 690 | ND<10 | -- | 17 | |
| 07/29/02 | 36.79 | 14.28 | 0.00 | 22.51 | -0.24 | -- | 6800 | ND<5 | ND<5 | 1100 | ND<10 | -- | ND<20 | |
| 08/29/02 | 36.79 | 14.62 | 0.00 | 22.17 | -0.34 | -- | 7200 | ND<25 | ND<25 | 1200 | ND<50 | -- | ND<100 | |
| 09/14/02 | 36.79 | 14.72 | 0.00 | 22.07 | -0.10 | -- | 180 | ND<0.50 | ND<0.50 | 20 | ND<1 | -- | ND<2 | |
| 10/25/02 | 36.79 | 15.13 | 0.00 | 21.66 | -0.41 | -- | 1000 | ND<0.50 | ND<0.50 | 110 | ND<1 | -- | ND<2 | |
| 11/27/02 | 36.79 | 14.85 | 0.00 | 21.94 | 0.28 | -- | 7600 | ND<10 | ND<10 | 1200 | ND<20 | -- | ND<40 | |
| 12/19/02 | 36.79 | 13.83 | 0.00 | 22.96 | 1.02 | -- | 6400 | ND<10 | ND<10 | 810 | ND<20 | -- | ND<40 | |
| 01/24/03 | 36.79 | 12.52 | 0.00 | 24.27 | 1.31 | -- | 6600 | ND<25 | ND<25 | 930 | ND<50 | -- | ND<100 | |
| 02/15/03 | 36.79 | 12.96 | 0.00 | 23.83 | -0.44 | -- | 8400 | ND<10 | ND<10 | 970 | ND<20 | -- | ND<40 | |
| 03/17/03 | 36.79 | 13.08 | 0.00 | 23.71 | -0.12 | -- | 7900 | ND<5 | ND<5 | 1100 | ND<10 | -- | ND<20 | |
| 04/18/03 | 36.79 | 12.95 | 0.00 | 23.84 | 0.13 | -- | 6700 | ND<5 | ND<5 | 1100 | ND<10 | -- | ND<20 | |
| 05/19/03 | 36.79 | 13.10 | 0.00 | 23.69 | -0.15 | -- | 8700 | ND<5 | ND<5 | 1100 | ND<10 | -- | ND<20 | |
| 06/16/03 | 36.79 | 13.75 | 0.00 | 23.04 | -0.65 | -- | 7700 | ND<10 | ND<10 | 1000 | ND<20 | -- | ND<40 | |
| 07/18/03 | 36.79 | 14.43 | 0.00 | 22.36 | -0.68 | -- | 11000 | ND<10 | ND<10 | 1800 | 1300 | -- | ND<40 | |
| 10/01/03 | 36.79 | 15.12 | 0.00 | 21.67 | -0.69 | -- | 9000 | ND<10 | ND<10 | 820 | ND<20 | -- | ND<10 | |
| 01/30/04 | 36.79 | 13.70 | 0.00 | 23.09 | 1.42 | -- | 7800 | ND<5.0 | ND<5.0 | 670 | ND<10 | -- | ND<20 | |
| 04/26/04 | 36.79 | 13.23 | 0.00 | 23.56 | 0.47 | -- | 9800 | ND<5.0 | ND<5.0 | 470 | ND<10 | -- | ND<5.0 | |
| 07/28/04 | 36.79 | 14.35 | 0.00 | 22.44 | -1.12 | -- | 10000 | ND<5.0 | ND<5.0 | 450 | ND<10 | -- | ND<5.0 | |
| 10/19/04 | 36.79 | 14.90 | 0.00 | 21.89 | -0.55 | -- | 5700 | 3.2 | ND<2.5 | 210 | ND<5.0 | -- | ND<2.5 | |
| 01/05/05 | 36.79 | 13.44 | 0.00 | 23.35 | 1.46 | -- | 4600 | 0.96 | 0.73 | 42 | 1.4 | -- | ND<2.5 | |
| **MW-4** | **(Screen Interval in feet: 10.0-26.0)** | | | | | | | | | | | | | |
| 07/23/91 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 10/14/91 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |

**Table 2**
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**
**May 1991 Through January 2005**
**Former 76 Station 7004**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE 8021B (µg/l) | MTBE 8260B (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 continued | | | | | | | | | | | | | | |
| 01/14/92 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 04/14/92 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 07/09/92 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 10/28/92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Sampled Semi-Annually |
| 01/21/93 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 04/20/93 | 35.81 | 13.84 | 0.00 | 21.97 | -- | -- | -- | -- | -- | -- | -- | 65 | -- | |
| 07/22/93 | 35.81 | 13.52 | 0.00 | 22.29 | 0.32 | ND | -- | ND | ND | ND | ND | 54 | -- | |
| 10/06/93 | 35.44 | 14.17 | 0.00 | 21.27 | -1.02 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/11/94 | 35.44 | 14.42 | 0.00 | 21.02 | -0.25 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 04/06/94 | 35.44 | 13.44 | 0.00 | 22.00 | 0.98 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/08/94 | 35.44 | 13.96 | 0.00 | 21.48 | -0.52 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 10/06/94 | 35.44 | 15.00 | 0.00 | 20.44 | -1.04 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/05/95 | 35.44 | 13.83 | 0.00 | 21.61 | 1.17 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 04/05/95 | 35.44 | 11.05 | 0.00 | 24.39 | 2.78 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/14/95 | 35.44 | 12.23 | 0.00 | 23.21 | -1.18 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 10/12/95 | 35.44 | 13.59 | 0.00 | 21.85 | -1.36 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/08/96 | 35.44 | 13.43 | 0.00 | 22.01 | 0.16 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 07/08/96 | 35.44 | 12.04 | 0.00 | 23.40 | 1.39 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/03/97 | 35.44 | 12.38 | 0.00 | 23.06 | -- | 80 | -- | ND | ND | ND | ND | ND | -- | |
| 07/02/97 | 35.44 | 13.00 | 0.00 | 22.44 | -0.62 | ND | -- | ND | ND | ND | ND | 25 | -- | |
| 01/15/98 | 35.44 | 12.50 | 0.00 | 22.94 | 0.50 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 07/08/98 | 35.44 | 10.53 | 0.00 | 24.91 | 1.97 | ND | -- | ND | ND | ND | ND | 25 | -- | |
| 01/11/99 | 35.44 | 12.95 | 0.00 | 22.49 | -2.42 | ND | -- | ND | ND | ND | ND | 23 | -- | |
| 07/07/99 | 35.44 | 11.76 | 0.00 | 23.68 | 1.19 | ND | -- | ND | ND | ND | ND | 15 | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**May 1991 Through January 2005**

**Former 76 Station 7004**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE 8021B (µg/l) | MTBE 8260B (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 continued | | | | | | | | | | | | | | |
| 01/04/00 | 35.44 | 13.17 | 0.00 | 22.27 | -1.41 | ND | -- | ND | ND | ND | ND | 13.2 | -- | |
| 07/15/00 | 35.44 | 13.04 | 0.00 | 22.40 | 0.13 | ND | -- | ND | ND | ND | ND | 11 | -- | |
| 01/19/01 | 35.44 | 12.65 | 0.00 | 22.79 | -- | ND | -- | ND | ND | ND | ND | 9.97 | -- | |
| 07/31/01 | 35.44 | 13.69 | 0.00 | 21.75 | -1.04 | ND | -- | ND | ND | ND | ND | 6.0 | -- | |
| 01/28/02 | 35.44 | 12.17 | 0.00 | 23.27 | 1.52 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 13 | -- | |
| 04/22/02 | 35.44 | 12.18 | 0.00 | 23.26 | -0.01 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 5.7 | -- | |
| 05/24/02 | 35.44 | 12.45 | 0.00 | 22.99 | -0.27 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 2.9 | |
| 06/21/02 | 35.44 | 12.48 | 0.00 | 22.96 | -0.03 | -- | 54 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 3.6 | |
| 07/29/02 | 35.44 | 13.08 | 0.00 | 22.36 | -0.60 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 5.7 | |
| 08/29/02 | 35.44 | 13.39 | 0.00 | 22.05 | -0.31 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 8.5 | |
| 09/14/02 | 35.44 | 13.49 | 0.00 | 21.95 | -0.10 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 4.8 | |
| 10/25/02 | 35.44 | 13.93 | 0.00 | 21.51 | -0.44 | -- | ND<50 | 0.82 | ND<0.50 | ND<0.50 | ND<1 | -- | 7.1 | |
| 11/27/02 | 35.44 | 13.62 | 0.00 | 21.82 | 0.31 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 7.3 | |
| 12/19/02 | 35.44 | 12.56 | 0.00 | 22.88 | 1.06 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 8.1 | |
| 01/24/03 | 35.44 | 11.26 | 0.00 | 24.18 | 1.30 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 8.4 | |
| 02/15/03 | 35.44 | 11.71 | 0.00 | 23.73 | -0.45 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 6.2 | |
| 03/17/03 | 35.44 | 11.82 | 0.00 | 23.62 | -0.11 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 7.3 | |
| 04/18/03 | 35.44 | 11.70 | 0.00 | 23.74 | 0.12 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 6.2 | |
| 05/19/03 | 35.44 | 11.74 | 0.00 | 23.70 | -0.04 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 3.2 | |
| 06/16/03 | 35.44 | 12.35 | 0.00 | 23.09 | -0.61 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 4.3 | |
| 07/18/03 | 35.44 | 13.06 | 0.00 | 22.38 | -0.71 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 10/01/03 | 35.44 | 13.81 | 0.00 | 21.63 | -0.75 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 0.89 | |
| 01/30/04 | 35.44 | 12.42 | 0.00 | 23.02 | 1.39 | -- | 55 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 2.2 | |
| 04/26/04 | 35.44 | 11.99 | 0.00 | 23.45 | 0.43 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 2.0 | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**May 1991 Through January 2005**

**Former 76 Station 7004**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE 8021B (µg/l) | MTBE 8260B (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-4 continued** | | | | | | | | | | | | | | |
| 07/28/04 | 35.44 | 13.12 | 0.00 | 22.32 | -1.13 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 5.8 | |
| 10/19/04 | 35.44 | 13.78 | 0.00 | 21.66 | -0.66 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 2.4 | |
| 01/05/05 | 35.44 | 12.21 | 0.00 | 23.23 | 1.57 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 2.7 | |
| **MW-5** | **(Screen Interval in feet: 10.0-26.0)** | | | | | | | | | | | | | |
| 07/23/91 | -- | -- | -- | -- | -- | 260 | -- | 1.2 | 0.39 | 10 | 0.71 | -- | -- | |
| 10/14/91 | -- | -- | -- | -- | -- | 140 | -- | 0.72 | ND | 1.3 | 0.89 | -- | -- | |
| 01/14/92 | -- | -- | -- | -- | -- | 60 | -- | ND | ND | ND | ND | -- | -- | |
| 04/14/92 | -- | -- | -- | -- | -- | 86 | -- | ND | ND | ND | ND | -- | -- | |
| 07/09/92 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | 71 | -- | |
| 10/28/92 | -- | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | 45 | -- | |
| 01/21/93 | -- | -- | -- | -- | -- | 100 | -- | ND | ND | ND | ND | 160 | -- | |
| 04/20/93 | 37.01 | 14.87 | 0.00 | 22.14 | -- | 99 | -- | ND | ND | ND | ND | 120 | -- | |
| 07/22/93 | 37.01 | 14.82 | 0.00 | 22.19 | 0.05 | 59 | -- | ND | ND | 2.6 | ND | 42 | -- | |
| 10/06/93 | 36.81 | 15.61 | 0.00 | 21.20 | -0.99 | 150 | -- | 1.1 | ND | 3.1 | 0.85 | 57 | -- | |
| 01/11/94 | 36.81 | 15.84 | 0.00 | 20.97 | -0.23 | 160 | -- | ND | 0.79 | 0.54 | ND | -- | -- | |
| 04/06/94 | 36.81 | 14.90 | 0.00 | 21.91 | 0.94 | 260 | -- | 1.4 | ND | 0.88 | ND | -- | -- | |
| 07/08/94 | 36.81 | 15.38 | 0.00 | 21.43 | -0.48 | 200 | -- | ND | ND | ND | ND | -- | -- | |
| 10/06/94 | 36.81 | 16.42 | 0.00 | 20.39 | -1.04 | 350 | -- | 1.3 | ND | ND | ND | -- | -- | |
| 01/05/95 | 36.81 | 15.20 | 0.00 | 21.61 | 1.22 | 85 | -- | ND | ND | ND | ND | -- | -- | |
| 04/05/95 | 36.81 | 11.72 | 0.00 | 25.09 | 3.48 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 07/14/95 | 36.81 | 13.69 | 0.00 | 23.12 | -1.97 | 180 | -- | 1.3 | ND | 7.9 | ND | -- | -- | |
| 10/12/95 | 36.81 | 15.02 | 0.00 | 21.79 | -1.33 | 310 | -- | ND | ND | 31 | 1.2 | -- | -- | |
| 01/08/96 | 36.81 | 14.85 | 0.00 | 21.96 | 0.17 | ND | -- | 0.55 | ND | ND | 0.58 | -- | -- | |
| 07/08/96 | 36.81 | 13.52 | 0.00 | 23.29 | 1.33 | 140 | -- | 2.1 | 1.4 | 5.6 | 0.51 | 110 | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**May 1991 Through January 2005**

**Former 76 Station 7004**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE 8021B (µg/l) | MTBE 8260B (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 continued | | | | | | | | | | | | | | |
| 07/12/96 | 36.81 | 14.50 | 0.00 | 22.31 | -0.98 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/03/97 | 36.81 | 12.85 | 0.00 | 23.96 | 1.65 | 12000 | -- | 150 | ND | 2100 | 120 | 660 | -- | |
| 07/02/97 | 36.81 | 13.79 | 0.00 | 23.02 | -0.94 | ND | -- | ND | ND | ND | ND | 72 | -- | |
| 01/15/98 | 36.81 | 13.03 | 0.00 | 23.78 | 0.76 | 69 | -- | ND | ND | ND | ND | -- | -- | |
| 07/08/98 | 36.81 | 12.05 | 0.00 | 24.76 | 0.98 | ND | -- | 0.74 | ND | ND | ND | 95 | -- | |
| 01/11/99 | 36.81 | 14.41 | 0.00 | 22.40 | -2.36 | ND | -- | 1.0 | ND | ND | ND | 170 | -- | |
| 07/07/99 | 36.81 | 12.38 | 0.00 | 24.43 | 2.03 | 130 | -- | 0.64 | ND | ND | ND | 330 | -- | |
| 01/04/00 | 36.81 | 14.33 | 0.00 | 22.48 | -1.95 | ND | -- | ND | ND | ND | ND | 183 | -- | |
| 07/15/00 | 36.81 | 13.88 | 0.00 | 22.93 | 0.45 | ND | -- | 0.68 | ND | ND | ND | 350 | -- | |
| 01/19/01 | 36.81 | 13.41 | 0.00 | 23.40 | -- | ND | -- | ND | ND | ND | ND | 195 | -- | |
| 07/31/01 | 36.81 | 15.12 | 0.00 | 21.69 | -1.71 | ND | -- | ND | ND | ND | ND | 190 | -- | |
| 01/28/02 | 36.81 | 13.59 | 0.00 | 23.22 | 1.53 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 97 | -- | |
| 04/22/02 | 36.81 | 13.61 | 0.00 | 23.20 | -0.02 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 160 | -- | |
| 05/24/02 | 36.81 | 13.89 | 0.00 | 22.92 | -0.28 | -- | 89 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 180 | |
| 06/21/02 | 36.81 | 14.22 | 0.00 | 22.59 | -0.33 | -- | 190 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 85 | |
| 07/29/02 | 36.81 | 14.48 | 0.00 | 22.33 | -0.26 | -- | 120 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 76 | |
| 08/29/02 | 36.81 | 14.80 | 0.00 | 22.01 | -0.32 | -- | ND<500 | ND<5 | ND<5 | ND<5 | ND<10 | -- | 380 | |
| 09/14/02 | 36.81 | 14.91 | 0.00 | 21.90 | -0.11 | -- | 130 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 91 | |
| 10/25/02 | 36.81 | 15.32 | 0.00 | 21.49 | -0.41 | -- | ND<200 | ND<2 | ND<2 | ND<2 | ND<4.0 | -- | 270 | |
| 11/27/02 | 36.81 | 15.03 | 0.00 | 21.78 | 0.29 | -- | ND<250 | ND<2.5 | ND<2.5 | ND<2.5 | ND<5 | -- | 330 | |
| 12/19/02 | 36.81 | 13.75 | 0.00 | 23.06 | 1.28 | -- | 290 | ND<2.5 | ND<2.5 | ND<2.5 | ND<5 | -- | 320 | |
| 01/24/03 | 36.81 | 12.68 | 0.00 | 24.13 | 1.07 | -- | ND<250 | ND<2.5 | ND<2.5 | ND<2.5 | ND<5 | -- | 200 | |
| 02/15/03 | 36.81 | 13.15 | 0.00 | 23.66 | -0.47 | -- | 82 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 180 | |
| 03/17/03 | 36.81 | 13.26 | 0.00 | 23.55 | -0.11 | -- | 400 | ND<2.5 | ND<2.5 | ND<2.5 | ND<5 | -- | 510 | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**May 1991 Through January 2005**

**Former 76 Station 7004**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (µg/l) | TPPH 8260B (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE 8021B (µg/l) | MTBE 8260B (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 continued | | | | | | | | | | | | | | |
| 04/18/03 | 36.81 | 13.14 | 0.00 | 23.67 | 0.12 | -- | 140 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 170 | |
| 05/19/03 | 36.81 | 13.45 | 0.00 | 23.36 | -0.31 | -- | ND<500 | ND<5 | ND<5 | ND<5 | ND<10 | -- | 1000 | |
| 06/16/03 | 36.81 | 14.07 | 0.00 | 22.74 | -0.62 | -- | ND<500 | ND<5 | ND<5 | ND<5 | ND<10 | -- | 730 | |
| 07/18/03 | 36.81 | 14.71 | 0.00 | 22.10 | -0.64 | -- | ND<250 | ND<2.5 | ND<2.5 | ND<2.5 | ND<5 | -- | 260 | |
| 10/01/03 | 36.81 | 15.36 | 0.00 | 21.45 | -0.65 | -- | 220 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 100 | |
| 01/30/04 | 36.81 | 14.05 | 0.00 | 22.76 | 1.31 | -- | 460 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | -- | 210 | |
| 04/26/04 | 36.81 | 13.60 | 0.00 | 23.21 | 0.45 | -- | 260 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | -- | 200 | |
| 07/28/04 | 36.81 | 14.53 | 0.00 | 22.28 | -0.93 | -- | 140 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | -- | 130 | |
| 10/19/04 | 36.81 | 15.13 | 0.00 | 21.68 | -0.60 | -- | 120 | 0.53 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 76 | |
| 01/05/05 | 36.81 | 13.48 | 0.00 | 23.33 | 1.65 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 89 | |
| **MW-6** | **(Screen Interval in feet: 10.0-26.0)** | | | | | | | | | | | | | |
| 07/23/91 | -- | -- | 0.00 | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 10/14/91 | -- | -- | 0.00 | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 01/14/92 | -- | -- | 0.00 | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 04/14/92 | -- | -- | 0.00 | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 07/09/92 | -- | -- | 0.00 | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 10/28/92 | -- | -- | 0.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Sampled Semi-Annually |
| 01/21/93 | -- | -- | 0.00 | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 04/20/93 | 37.55 | 15.27 | 0.00 | 22.28 | -- | -- | -- | -- | -- | -- | -- | ND | -- | |
| 07/22/93 | 37.55 | 15.20 | 0.00 | 22.35 | 0.07 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 10/06/93 | 37.13 | 15.75 | 0.00 | 21.38 | -0.97 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/11/94 | 37.13 | 16.02 | 0.00 | 21.11 | -0.27 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 04/06/94 | 37.13 | 15.07 | 0.00 | 22.06 | 0.95 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/08/94 | 37.13 | 15.55 | 0.00 | 21.58 | -0.48 | ND | -- | ND | ND | ND | ND | -- | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**May 1991 Through January 2005**

**Former 76 Station 7004**

| 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 | | | | | | | | | | | | | | |
| 10/06/94 | 37.13 | 16.58 | 0.00 | 20.55 | -1.03 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/05/95 | 37.13 | 15.42 | 0.00 | 21.71 | 1.16 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 04/05/95 | 37.13 | 12.14 | 0.00 | 24.99 | 3.28 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07/14/95 | 37.13 | 13.87 | 0.00 | 23.26 | -1.73 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 10/12/95 | 37.13 | 15.17 | 0.00 | 21.96 | -1.30 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 01/08/96 | 37.13 | 15.05 | 0.00 | 22.08 | 0.12 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 07/08/96 | 37.13 | 13.71 | 0.00 | 23.42 | 1.34 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/03/97 | 37.13 | 13.12 | 0.00 | 24.01 | -- | 97 | -- | ND | ND | ND | ND | ND | -- | |
| 07/02/97 | 37.13 | 14.57 | 0.00 | 22.56 | -1.45 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/15/98 | 37.13 | 13.30 | 0.00 | 23.83 | 1.27 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 07/08/98 | 37.13 | 12.33 | 0.00 | 24.80 | 0.97 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/11/99 | 37.13 | 14.60 | 0.00 | 22.53 | -2.27 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 07/07/99 | 37.13 | 13.23 | 0.00 | 23.90 | 1.37 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/04/00 | 37.13 | 14.41 | 0.00 | 22.72 | -1.18 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 07/15/00 | 37.13 | 14.05 | 0.00 | 23.08 | 0.36 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/19/01 | 37.13 | 13.58 | 0.00 | 23.55 | -- | ND | -- | ND | ND | ND | ND | ND | -- | |
| 07/31/01 | 37.13 | 15.24 | 0.00 | 21.89 | -1.66 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 01/28/02 | 37.13 | 13.80 | 0.00 | 23.33 | 1.44 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 04/22/02 | 37.13 | 13.22 | 0.00 | 23.91 | 0.58 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 05/24/02 | 37.13 | 14.07 | 0.00 | 23.06 | -0.85 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<0.50 | |
| 06/21/02 | 37.13 | 14.38 | 0.00 | 22.75 | -0.31 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<0.50 | |
| 07/29/02 | 37.13 | 14.64 | 0.00 | 22.49 | -0.26 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 08/29/02 | 37.13 | 14.97 | 0.00 | 22.16 | -0.33 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 09/14/02 | 37.13 | 15.04 | 0.00 | 22.09 | -0.07 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**May 1991 Through January 2005**

**Former 76 Station 7004**

| 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** | | | | | | | | | | | | | | |
| 10/25/02 | 37.13 | 15.46 | 0.00 | 21.67 | -0.42 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 11/27/02 | 37.13 | 15.17 | 0.00 | 21.96 | 0.29 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 12/19/02 | 37.13 | 13.88 | 0.00 | 23.25 | 1.29 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 01/24/03 | 37.13 | 12.91 | 0.00 | 24.22 | 0.97 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 02/15/03 | 37.13 | 13.38 | 0.00 | 23.75 | -0.47 | -- | ND<50 | ND<0.50 | ND<0.50 | 0.98 | 3.6 | -- | ND<2 | |
| 03/17/03 | 37.13 | 13.49 | 0.00 | 23.64 | -0.11 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 04/18/03 | 37.13 | 13.33 | 0.00 | 23.80 | 0.16 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 05/19/03 | 37.13 | 13.73 | 0.00 | 23.40 | -0.40 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 06/16/03 | 37.13 | 14.41 | 0.00 | 22.72 | -0.68 | -- | 97 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 07/18/03 | 37.13 | 15.01 | 0.00 | 22.12 | -0.60 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | ND<2 | |
| 10/01/03 | 37.13 | 15.58 | 0.00 | 21.55 | -0.57 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| 01/30/04 | 37.13 | 14.05 | 0.00 | 23.08 | 1.53 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |
| 04/26/04 | 37.13 | 13.64 | 0.00 | 23.49 | 0.41 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| 07/28/04 | 37.13 | 14.68 | 0.00 | 22.45 | -1.04 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| 10/19/04 | 37.13 | 15.21 | 0.00 | 21.92 | -0.53 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| 01/05/05 | 37.13 | 13.68 | 0.00 | 23.45 | 1.53 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| **RW-1** | **(Screen Interval in feet: 12.5-27.5)** | | | | | | | | | | | | | |
| 07/08/98 | -- | 11.72 | 0.00 | -- | -- | 80 | -- | 1.7 | ND | ND | ND | 1300 | -- | |
| 01/11/99 | -- | 14.05 | 0.00 | -- | -- | ND | -- | 3.0 | ND | ND | ND | 1200 | -- | |
| 07/07/99 | -- | 13.05 | 0.00 | -- | -- | ND | -- | ND | ND | ND | ND | 590 | -- | |
| 01/04/00 | -- | 14.26 | 0.00 | -- | -- | ND | -- | ND | ND | ND | ND | 270 | -- | |
| 07/15/00 | -- | 13.77 | 0.00 | -- | -- | ND | -- | 0.55 | ND | ND | ND | 460 | -- | |
| 01/19/01 | -- | 13.29 | 0.00 | -- | -- | ND | -- | ND | ND | ND | ND | 338 | -- | |
| 07/31/01 | -- | 14.72 | 0.00 | -- | -- | ND | -- | ND | ND | ND | ND | 1900 | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**May 1991 Through January 2005**

**Former 76 Station 7004**

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **RW-1 continued** | | | | | | | | | | | | | | |
| 01/28/02 | -- | 13.21 | 0.00 | -- | -- | 72 | -- | 0.98 | ND<0.50 | ND<0.50 | ND<0.50 | 460 | -- | |
| 04/22/02 | -- | 13.22 | 0.00 | -- | -- | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 290 | -- | |
| 05/24/02 | -- | 13.51 | 0.00 | -- | -- | -- | 1200 | ND<1 | ND<1 | 30 | ND<2 | -- | 300 | |
| 06/21/02 | -- | 13.85 | 0.00 | -- | -- | -- | 400 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 130 | |
| 07/29/02 | -- | 14.11 | 0.00 | -- | -- | -- | 130 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 91 | |
| 08/29/02 | -- | 14.43 | 0.00 | -- | -- | -- | 2400 | ND<2 | ND<2 | 47 | ND<4.0 | -- | 210 | |
| 09/14/02 | -- | 14.54 | 0.00 | -- | -- | -- | 390 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 | -- | 120 | |
| 10/25/02 | -- | 14.95 | 0.00 | -- | -- | -- | 2700 | 0.96 | 1.1 | 51 | ND<1 | -- | 160 | |
| 11/27/02 | -- | 14.66 | 0.00 | -- | -- | -- | 1800 | 0.91 | 0.82 | 31 | ND<1 | -- | 170 | |
| 12/19/02 | -- | 13.60 | 0.00 | -- | -- | -- | 2900 | ND<5 | ND<5 | 50 | ND<10 | -- | 200 | |
| 01/24/03 | -- | 12.31 | 0.00 | -- | -- | -- | 1800 | 0.88 | 0.69 | 29 | ND<1 | -- | 140 | |
| 02/15/03 | -- | 12.88 | 0.00 | -- | -- | -- | 480 | ND<0.50 | ND<0.50 | 6.8 | ND<1 | -- | 88 | |
| 03/17/03 | -- | 12.88 | 0.00 | -- | -- | -- | ND<50 | 0.62 | ND<0.50 | 21 | ND<1 | -- | 86 | |
| 04/18/03 | -- | 12.76 | 0.00 | -- | -- | -- | 1600 | 0.76 | 0.92 | 34 | ND<1 | -- | 62 | |
| 05/19/03 | -- | 12.91 | 0.00 | -- | -- | -- | 1200 | 0.60 | ND<0.50 | 15 | ND<1.5 | -- | 76 | |
| 06/16/03 | -- | 13.55 | 0.00 | -- | -- | -- | 760 | 0.60 | 0.64 | 4.1 | ND<1 | -- | 100 | |
| 07/18/03 | -- | 14.33 | 0.00 | -- | -- | -- | 620 | 0.61 | 1.8 | 3.6 | ND<1 | -- | 60 | |
| 10/01/03 | -- | 14.90 | 0.00 | -- | -- | -- | 490 | 0.56 | ND<0.50 | 1.7 | ND<1.0 | -- | 15 | |
| 01/30/04 | -- | 13.46 | 0.00 | -- | -- | -- | 1400 | ND<2.5 | ND<2.5 | 8.6 | ND<5.0 | -- | 38 | |
| 04/26/04 | -- | 13.03 | 0.00 | -- | -- | -- | 1100 | ND<2.5 | ND<2.5 | ND<2.5 | ND<5.0 | -- | 30 | |
| 07/28/04 | -- | 14.15 | 0.00 | -- | -- | -- | 1200 | ND<2.5 | ND<2.5 | 15 | ND<5.0 | -- | 24 | |
| 10/19/04 | -- | 14.34 | 0.00 | -- | -- | -- | 680 | 0.99 | ND<0.50 | 16 | ND<1.0 | -- | 15 | |
| 01/05/05 | -- | 13.23 | 0.00 | -- | -- | -- | 160 | ND<0.50 | ND<0.50 | 2.2 | ND<1.0 | -- | 2.5 | |

**Table 3**
**ADDITIONAL ANALYTICAL RESULTS**
**Former 76 Station 7004**

| Date Sampled | EDC | EDB | Pre-Purge DO | Post Purge DO | TAME 8260B | TBA 8260B | DIPE 8260B | ETBE 8260B | Ethanol 8260B |
|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (mg/l) | (mg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) |
| **MW-1** | | | | | | | | | |
| 07/02/97 | -- | -- | 3.82 | -- | -- | -- | -- | -- | -- |
| 06/16/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |
| 07/18/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |
| 10/01/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 01/30/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |
| 04/26/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 07/28/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 10/19/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 01/05/05 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| **MW-2** | | | | | | | | | |
| 06/16/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |
| 07/18/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |
| 10/01/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 01/30/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |
| 04/26/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 07/28/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 10/19/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 01/05/05 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| **MW-3** | | | | | | | | | |
| 08/25/00 | ND | ND | -- | -- | ND | ND | ND | ND | -- |
| 06/16/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<10000 |
| 07/18/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<10000 |
| 10/01/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 01/30/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<5000 |
| 04/26/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |
| 07/28/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |

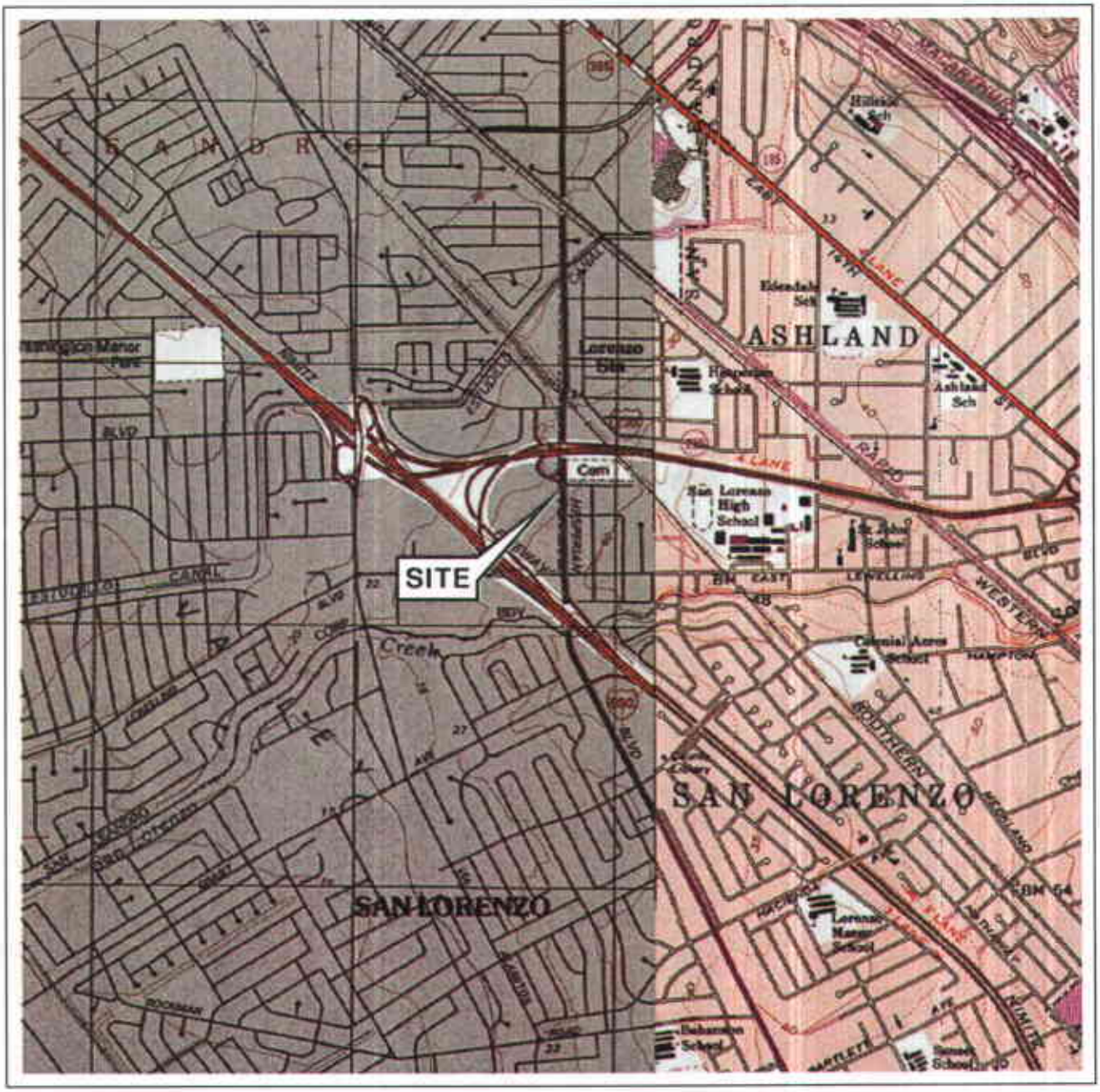
**Table 3**
**ADDITIONAL ANALYTICAL RESULTS**
**Former 76 Station 7004**

| Date Sampled | EDC | EDB | Pre-Purge DO | Post Purge DO | TAME 8260B | TBA 8260B | DIPE 8260B | ETBE 8260B | Ethanol 8260B |
|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (mg/l) | (mg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) |
| **MW-3 continued** | | | | | | | | | |
| 10/19/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<250 |
| 01/05/05 | -- | -- | -- | -- | -- | -- | -- | -- | ND<250 |
| **MW-4** | | | | | | | | | |
| 06/16/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |
| 07/18/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |
| 10/01/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 01/30/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |
| 04/26/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 07/28/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 10/19/04 | -- | -- | -- | -- | -- | -- | -- | -- | 990 |
| 01/05/05 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| **MW-5** | | | | | | | | | |
| 07/12/96 | -- | -- | 3.44 | 3.67 | -- | -- | -- | -- | -- |
| 01/03/97 | -- | -- | 4.35 | 4.27 | -- | -- | -- | -- | -- |
| 07/02/97 | -- | -- | 3.82 | 3.97 | -- | -- | -- | -- | -- |
| 01/15/98 | -- | -- | 4.19 | 4.38 | -- | -- | -- | -- | -- |
| 07/08/98 | -- | -- | 4.67 | 4.60 | -- | -- | -- | -- | -- |
| 06/16/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<5000 |
| 07/18/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<2500 |
| 10/01/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 01/30/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<1000 |
| 04/26/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<100 |
| 07/28/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<100 |
| 10/19/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 01/05/05 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| **MW-6** | | | | | | | | | |

**Table 3**
**ADDITIONAL ANALYTICAL RESULTS**
**Former 76 Station 7004**

| Date Sampled | EDC | EDB | Pre-Purge DO | Post Purge DO | TAME 8260B | TBA 8260B | DIPE 8260B | ETBE 8260B | Ethanol 8260B |
|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (mg/l) | (mg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) |
| **MW-6 continued** | | | | | | | | | |
| 06/16/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |
| 07/18/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |
| 10/01/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 01/30/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |
| 04/26/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 07/28/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 10/19/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 01/05/05 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| **RW-1** | | | | | | | | | |
| 05/24/02 | ND<0.5 | ND<0.5 | -- | -- | ND<1 | ND<10 | ND<2 | ND<1 | ND<50 |
| 06/16/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |
| 07/18/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<500 |
| 10/01/03 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 01/30/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<2500 |
| 04/26/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<250 |
| 07/28/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<250 |
| 10/19/04 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |
| 01/05/05 | -- | -- | -- | -- | -- | -- | -- | -- | ND<50 |

# FIGURES




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

SCALE 1:24,000

N


SOURCE:

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

**VICINITY MAP**

Former 76 Station 7004
15599 Hesperian Boulevard
San Leandro, California

TRC

# FIGURE 1

PS = 1:1

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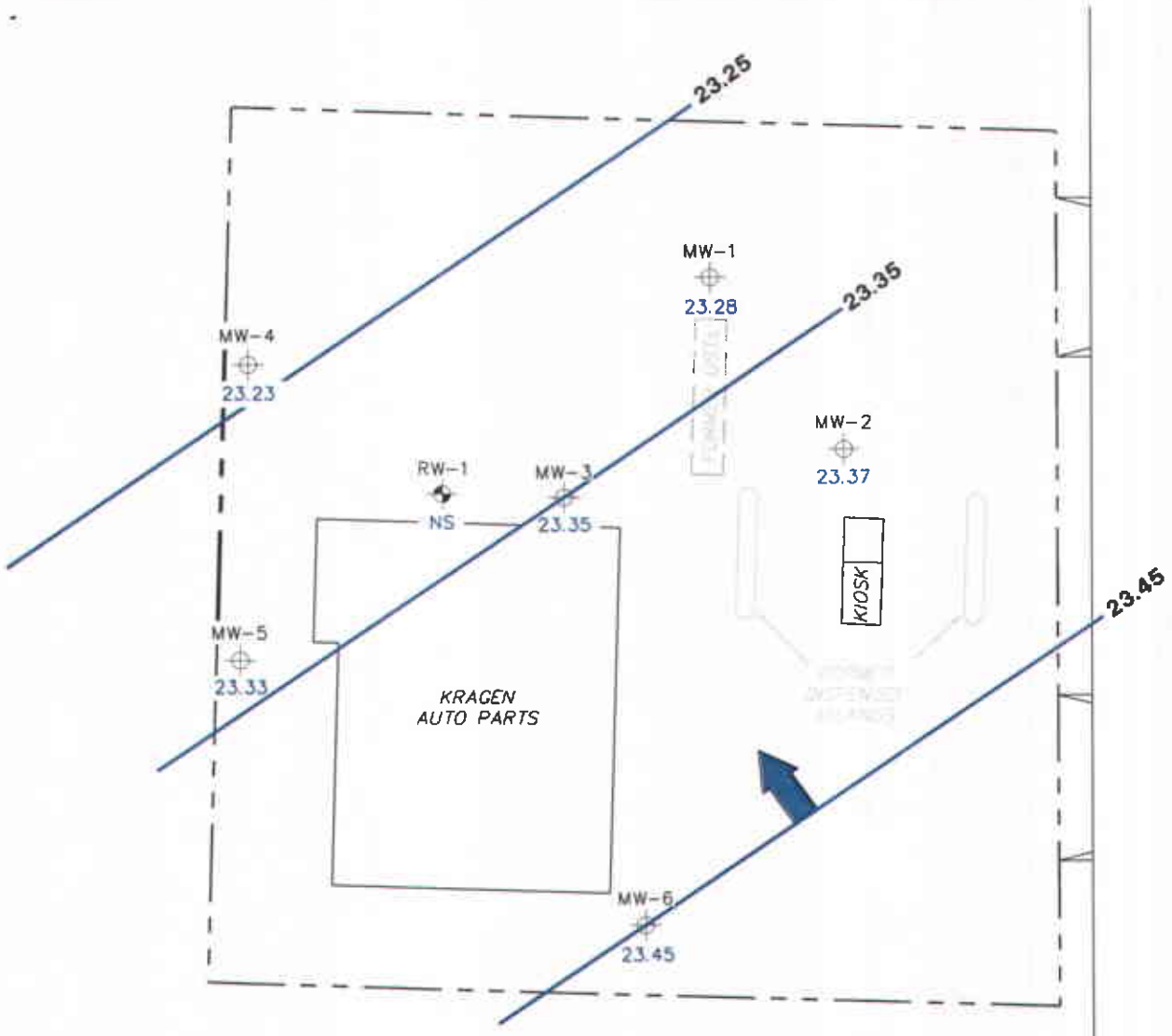


LEGEND

- MW-6 — Monitoring Well with Groundwater Elevation (feet)
- RW-1 — Aquifer Testing Well
- 23.45 — Groundwater Elevation Contour
- General Direction of Groundwater Flow

NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. NS = not surveyed. UST = underground storage tank.

**GROUNDWATER ELEVATION CONTOUR MAP**
**January 5, 2005**

Former 76 Station 7004
15599 Hesperian Boulevard
San Leandro, California

TRC

SCALE (FEET)
0 40

# FIGURE 2

PS=1:17004-003

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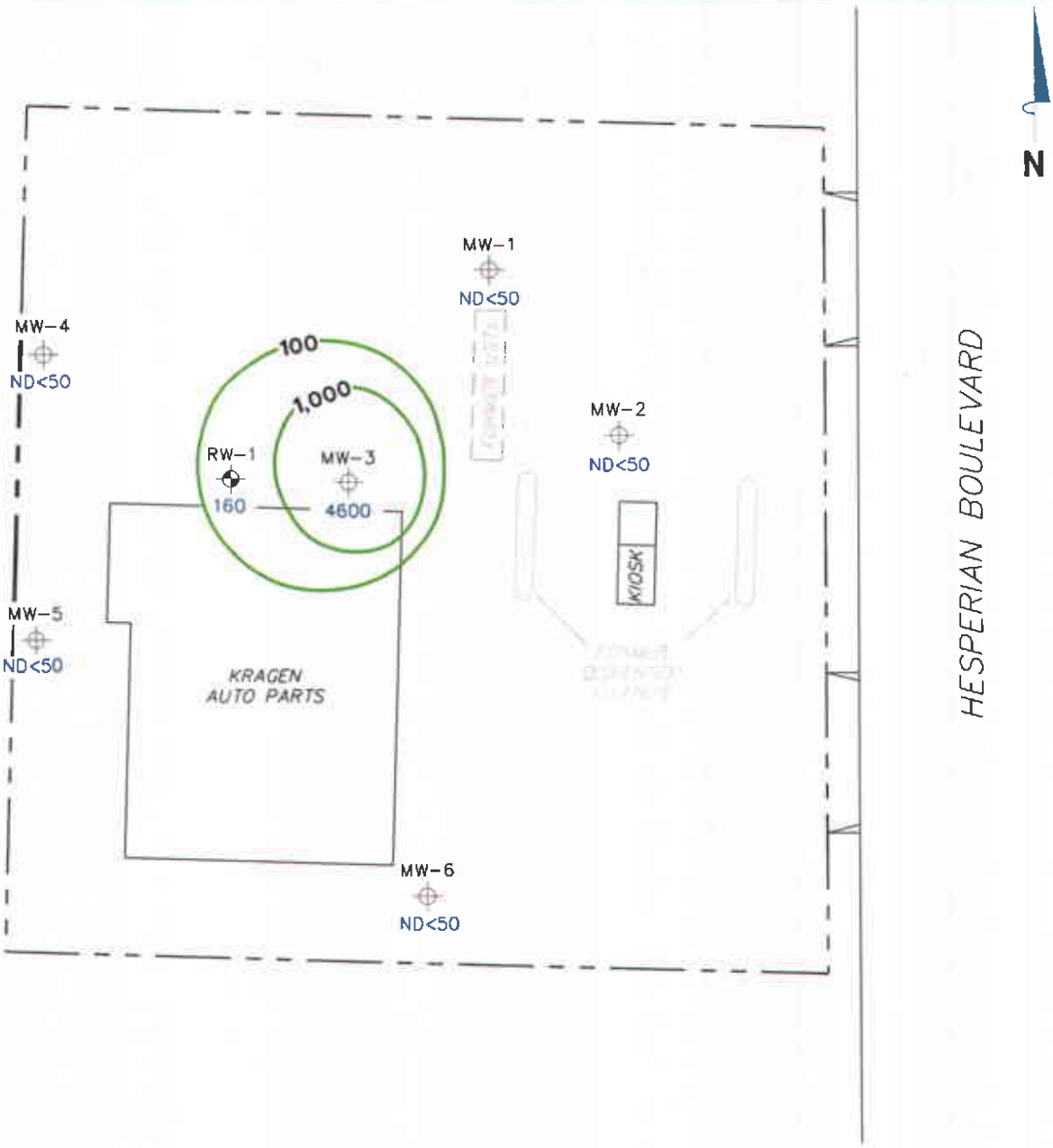


NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. TPPH = total purgeable petroleum hydrocarbons. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

MW-6 ⊕ Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)

RW-1 ⊕ Aquifer Testing Well

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

**DISSOLVED-PHASE TPPH CONCENTRATION MAP**
**January 5, 2005**

Former 76 Station 7004
15599 Hesperian Boulevard
San Leandro, California

TRC

SCALE (FEET)
0 40

# FIGURE 3

PS=1:17004-003

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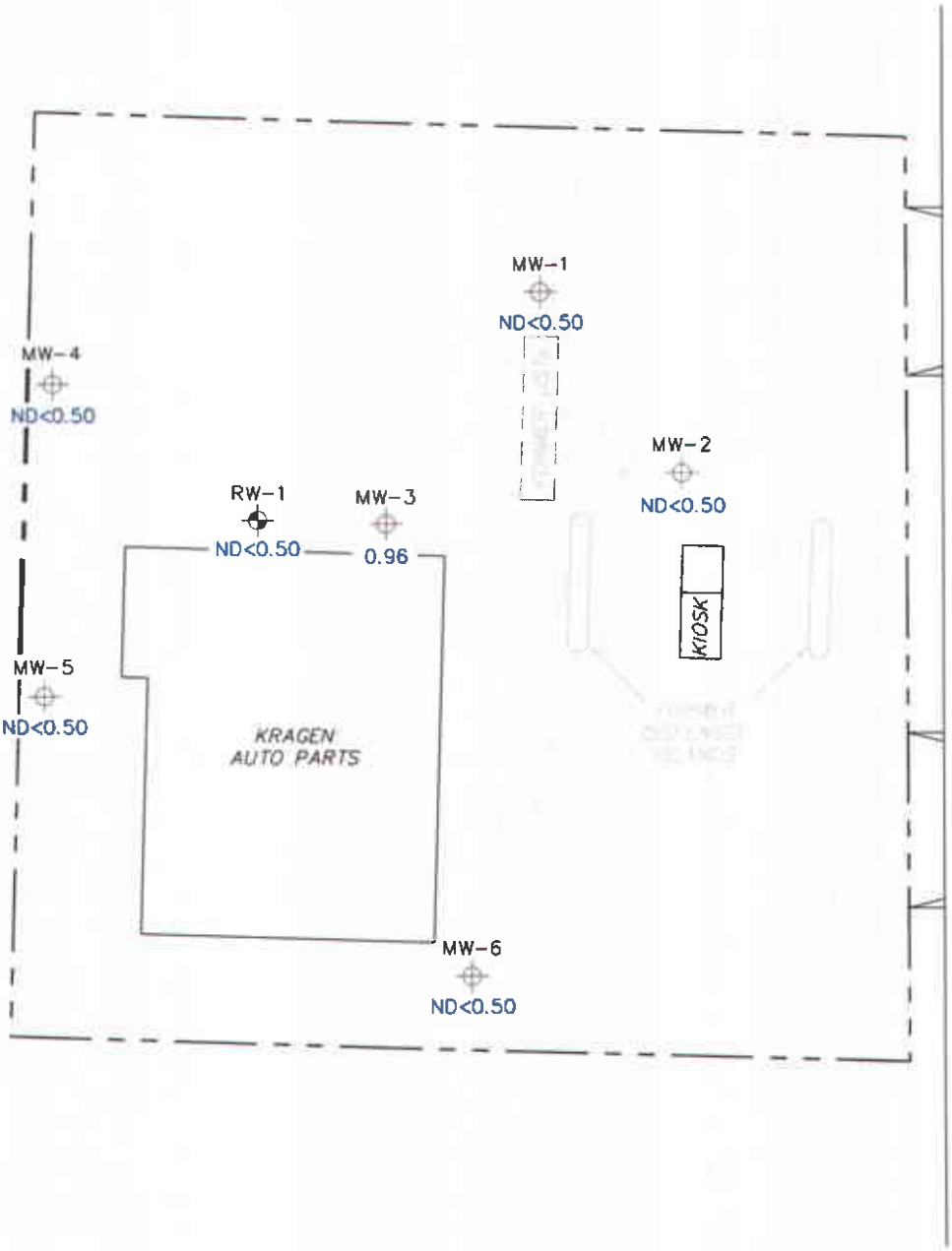


NOTES:

µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank.

LEGEND

MW-6 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

RW-1 ⊕ Aquifer Testing Well

**DISSOLVED-PHASE BENZENE CONCENTRATION MAP**
**January 5, 2005**

Former 76 Station 7004
15599 Hesperian Boulevard
San Leandro, California

TRC

SCALE (FEET)
0 40

# FIGURE 4

PS=1:17004-003

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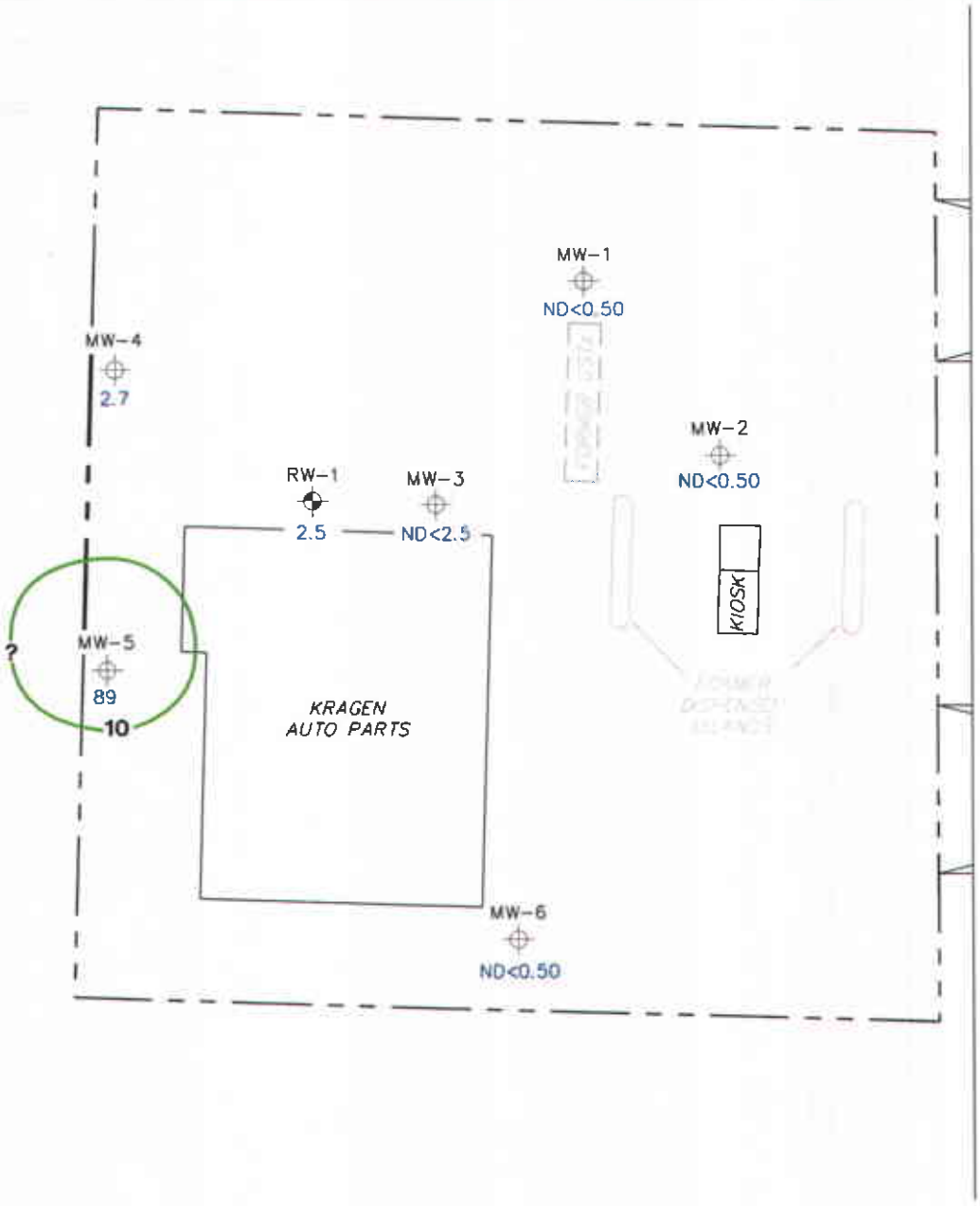


NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

MW-6 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

RW-1 ⊕ Aquifer Testing Well

10 Dissolved-Phase MTBE Contour (µg/l)

**DISSOLVED-PHASE MTBE CONCENTRATION MAP**
**January 5, 2005**

Former 76 Station 7004
15599 Hesperian Boulevard
San Leandro, California

TRC

SCALE (FEET)
0 40

**FIGURE 5**

PS=1:17004-003

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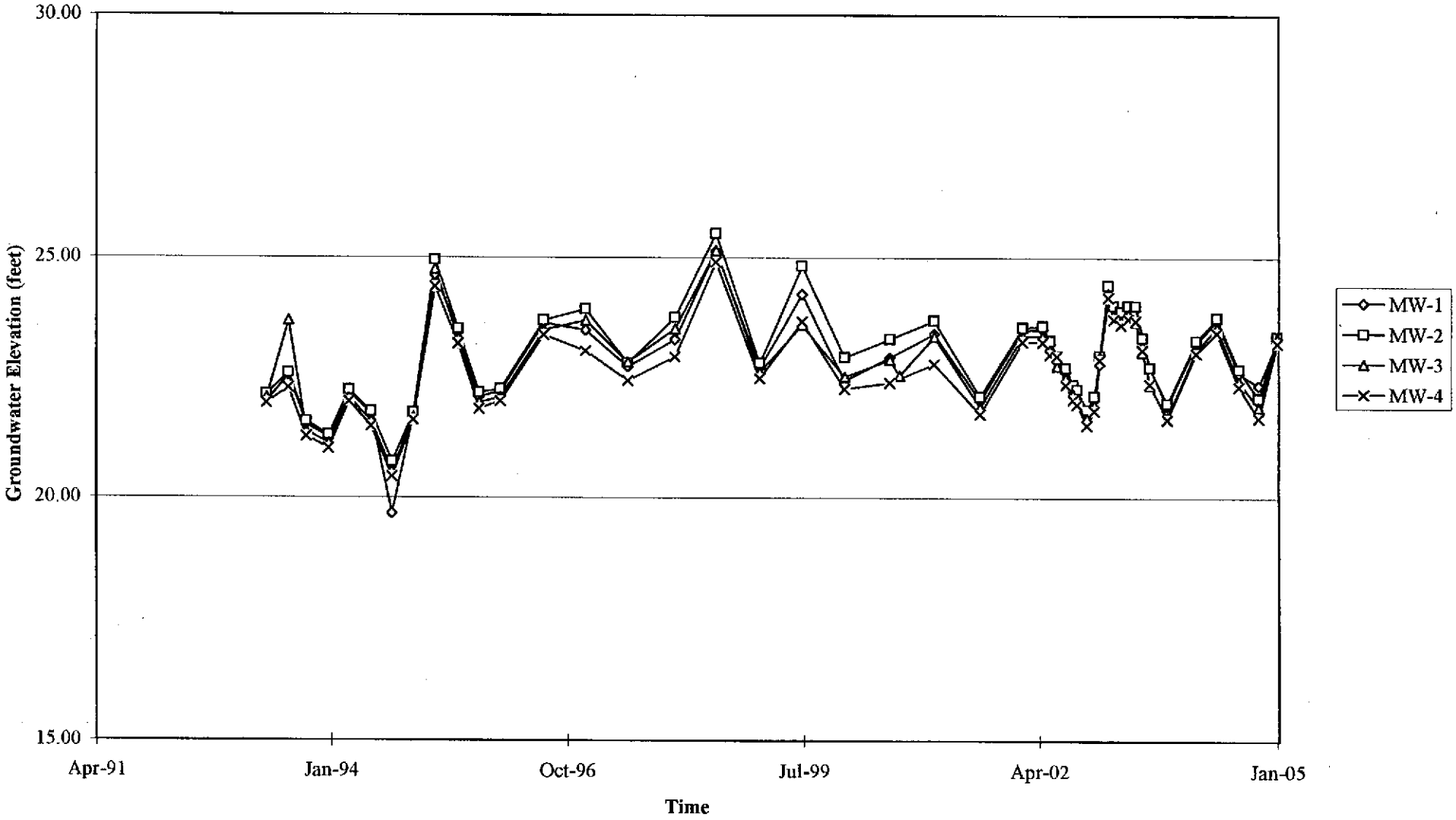
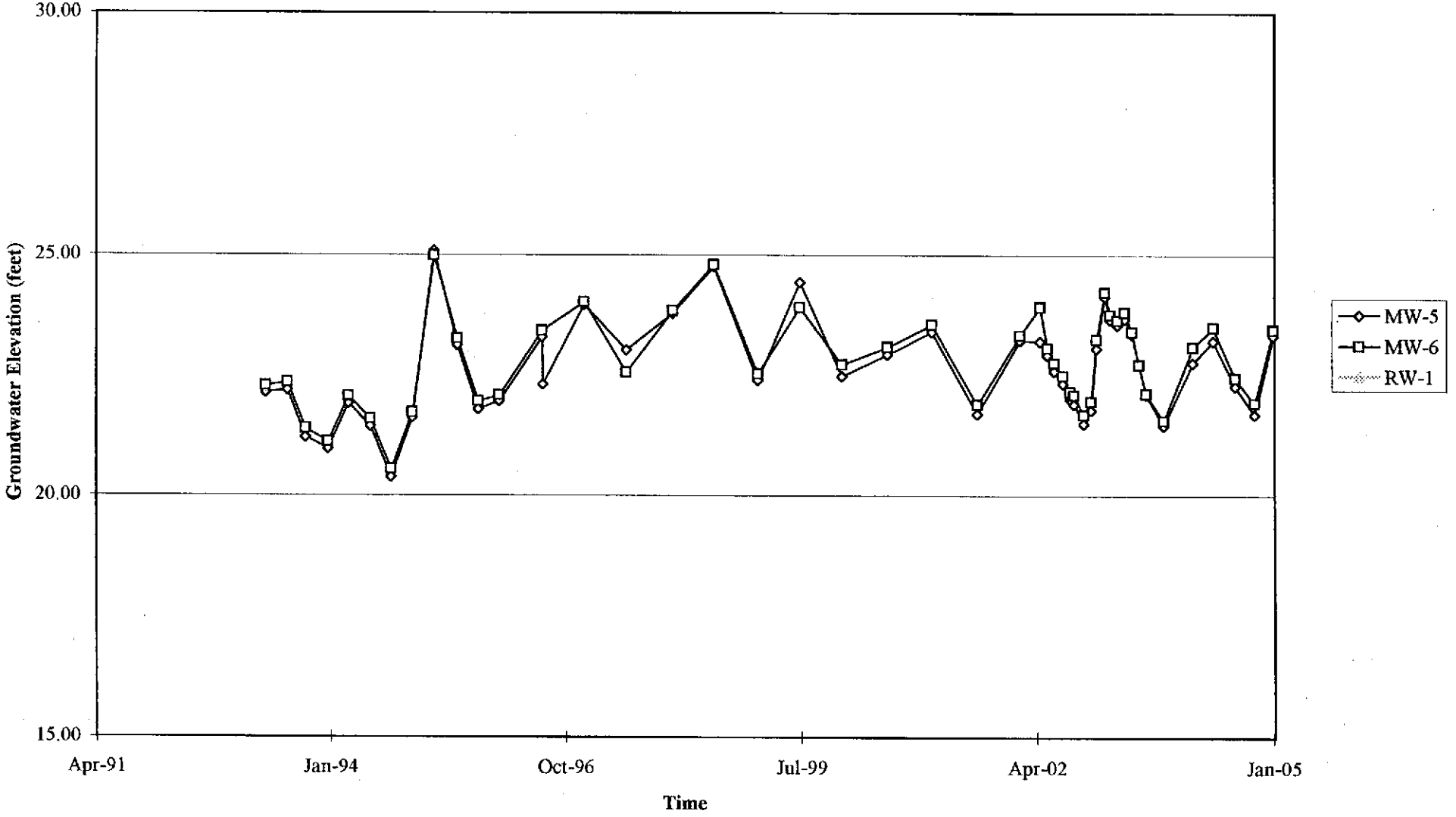
# GRAPHS

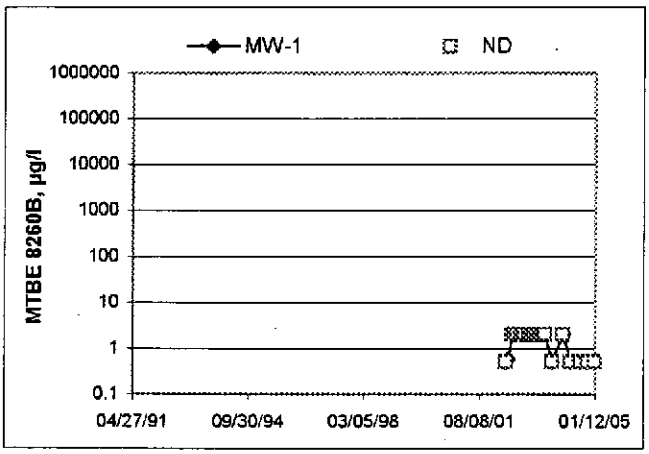
Groundwater Elevations vs. Time
Former 76 Station 7004

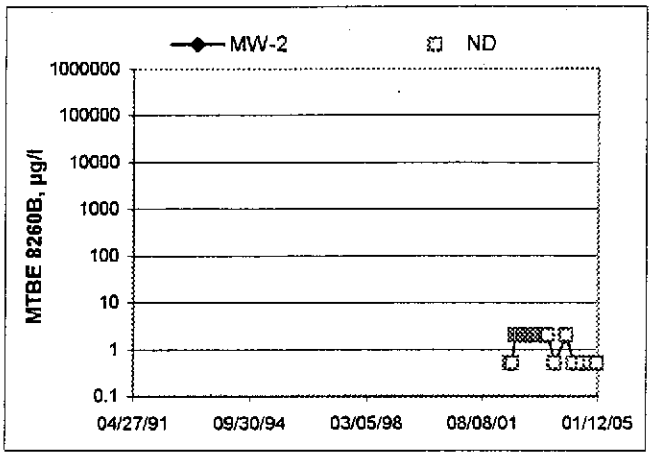


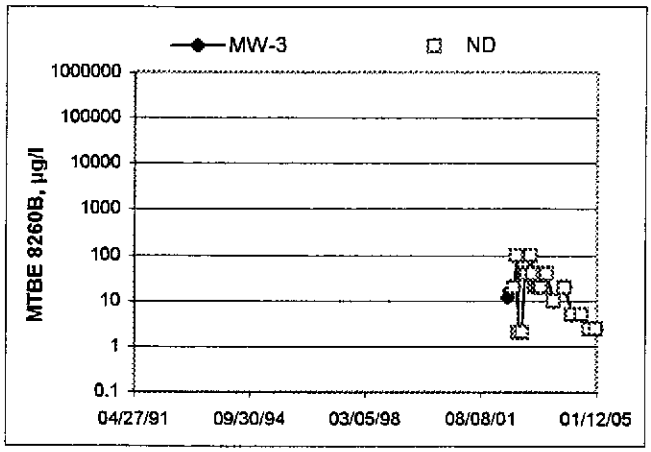
Groundwater Elevations vs. Time
Former 76 Station 7004

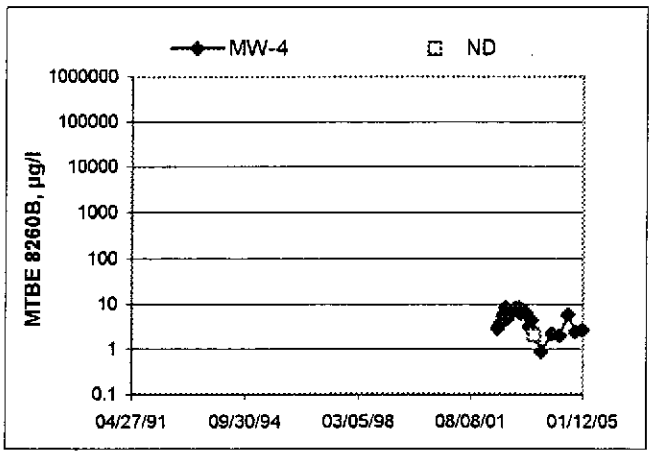


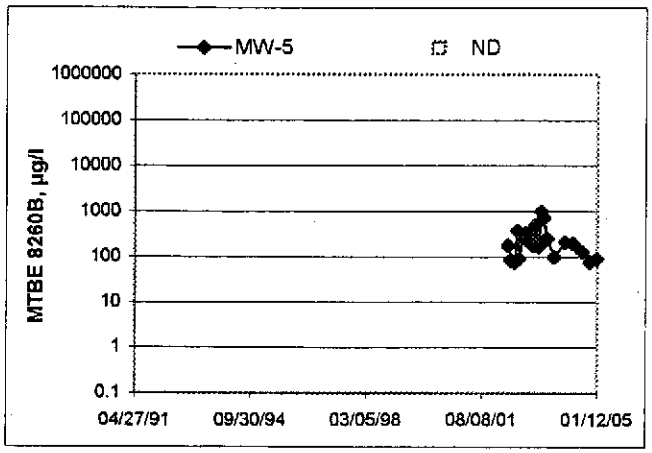
## MTBE 8260B Concentrations vs Time
Former 76 Station 7004

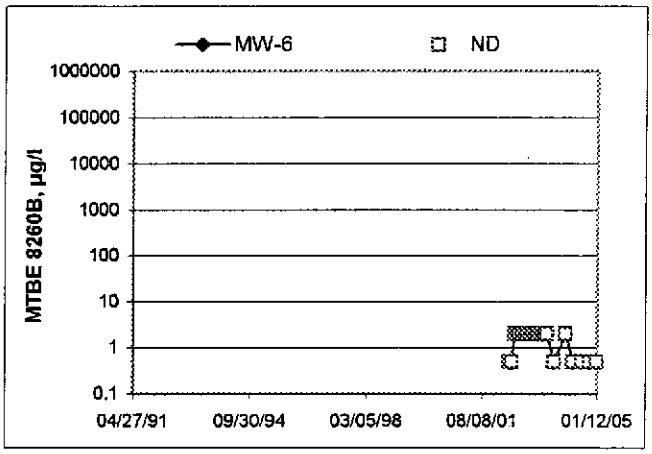


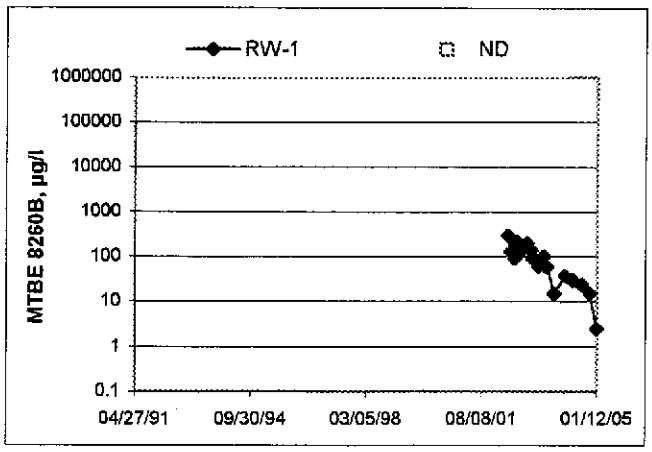



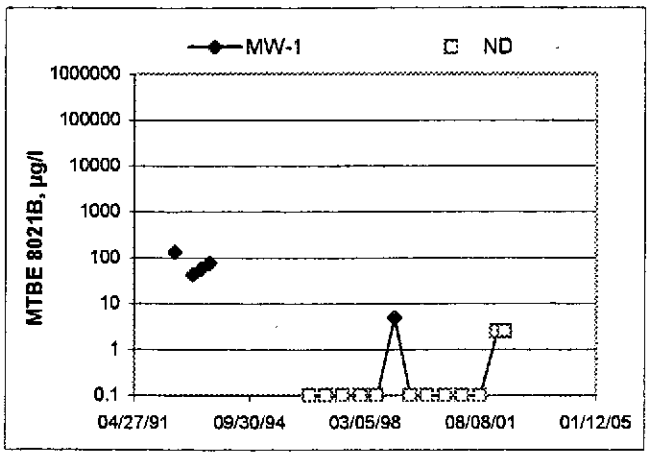



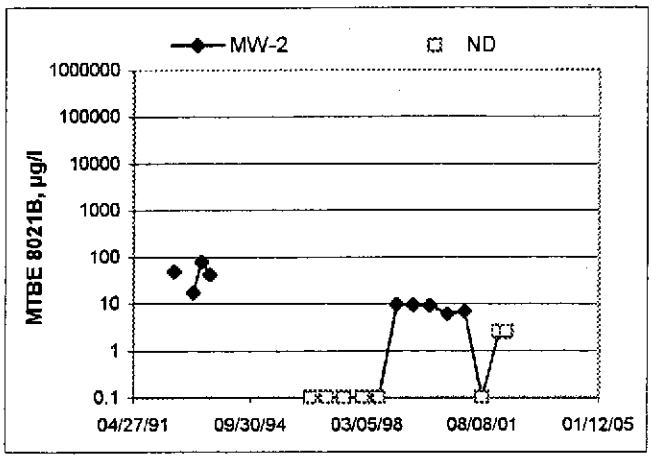



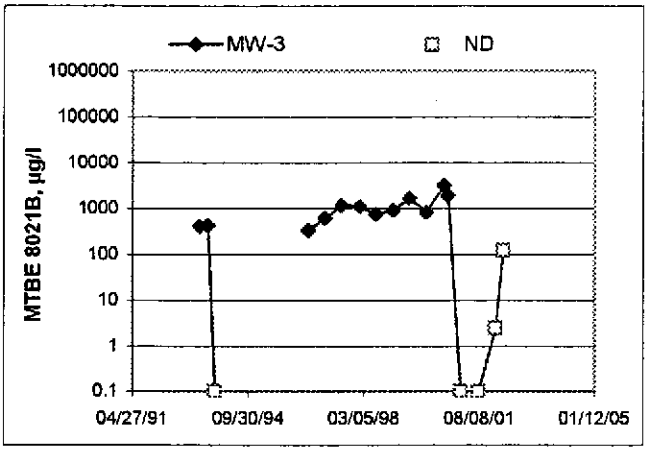



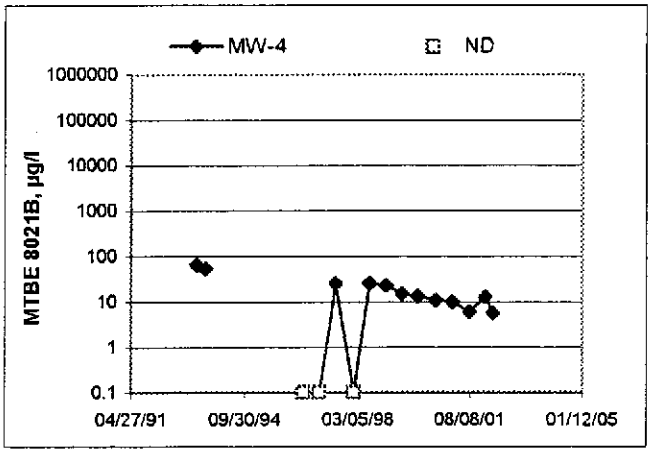



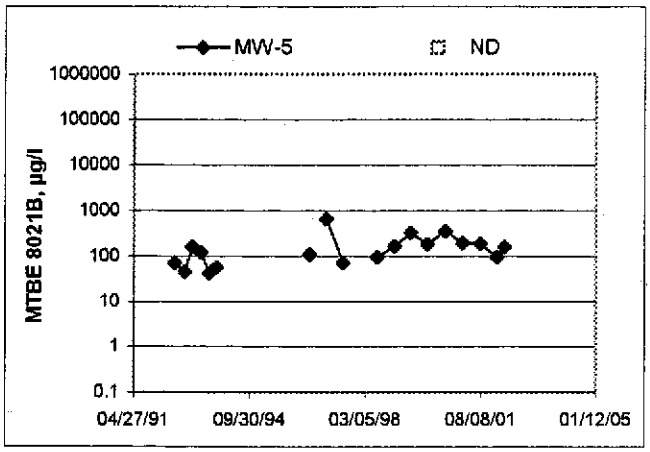
## MTBE 8021B Concentrations vs Time
Former 76 Station 7004

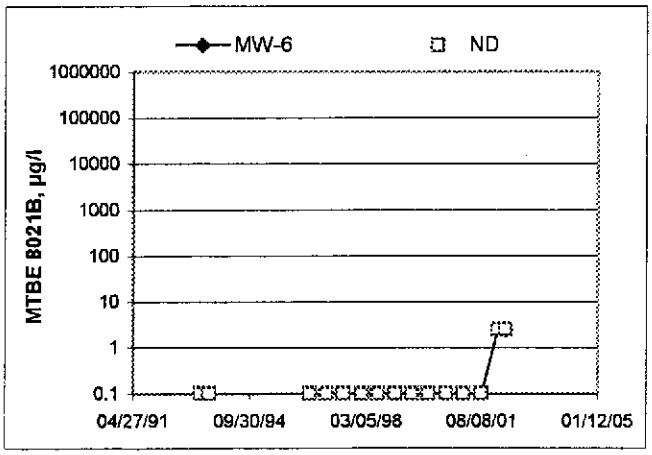


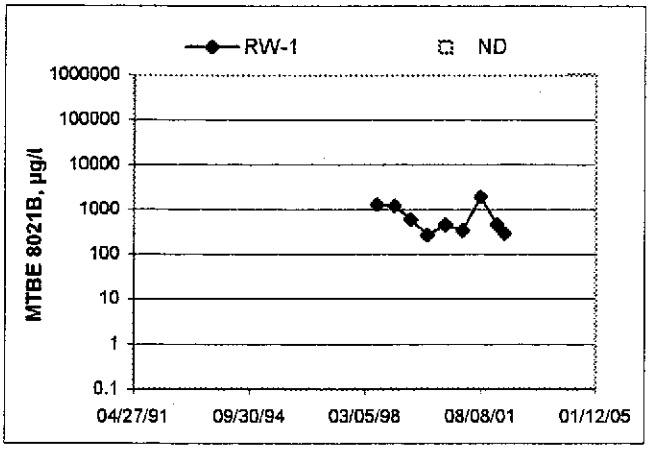



# GENERAL FIELD PROCEDURES

**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-inchto 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: Branden B Job #/Task #: 410580001/FA20 Date: 1/5/05

Site # 7034 Project Manager T. Krosel Page 1 of 1

| Well # | TOC | Time Gauged | Total Depth | Depth to Water | Depth to Product | Product Thickness (feet) | Time Sampled | Misc. Well Notes |
|---|---|---|---|---|---|---|---|---|
| RW-1 | | 0919 | 26.74 | 13.23 | ϕ | ~~ϕ~~ | 1101 | 6" |
| MW-6 | | 0941 | 25.53 | 13.68 | ϕ | ϕ | 1127 | 2" |
| MW-4 | | 0947 | 25.56 | 12.21 | ϕ | ϕ | 1158 | 2" |
| MW-2 | | 0951 | 24.27 | 13.70 | ϕ | ϕ | 1220 | 2" |
| MW-1 | | 0956 | 23.94 | 13.11 | ϕ | ϕ | 1245 | 2" |
| MW-5 | | 1001 | 26.10 | 13.48 | ϕ | ϕ | 1305 | 2" |
| MW-3 | | 1005 | 24.60 | 13.44 | ϕ | ϕ | 1327 | 2" |
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FIELD DATA COMPLETE ✓ QA/QC COC ✓ WELL BOX CONDITION SHEETS

WTT CERTIFICATE MANIFEST DRUM INVENTORY ✓ TRAFFIC CONTROL



TRC

## GROUNDWATER SAMPLING FIELD NOTES

Technician: Braden B

Site: 7004 Project No.: 41650001 Date: 1/5/05

**Well No.:** RW-1 Purge Method: D

Depth to Water (feet): 13.23 Depth to Product (feet): 0

Total Depth (feet): 26.74 LPH & Water Recovered (gallons): 0

Water Column (feet): 13.51 Casing Diameter (Inches): 6"

80% Recharge Depth (feet): 15.93 1 Well Volume (gallons): 20

| Time Start | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F ø) | pH | Turbidity | D.O. |
|---|---|---|---|---|---|---|---|---|
| 1038 | | | 20 | 298 | 17.0 | 6.10 | | |
| | | | 40 | 283 | 20.1 | 6.13 | | |
| | 1055 | | 60 | 312 | 20.0 | 6.18 | | |
| | | | | | | | | |
| | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Time Sampled |
|---|---|---|
| 15.91 | 60 | 1101 |

**Comments:**

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

Depth to Water (feet): 13.69 Depth to Product (feet): 0

Total Depth (feet): 25.53 LPH & Water Recovered (gallons): 0

Water Column (feet): 11.85 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 16.05 1 Well Volume (gallons): 2"

| Time Start | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F ø) | pH | Turbidity | D.O. |
|---|---|---|---|---|---|---|---|---|
| 1109 | | | 2 | 454 | 17.8 | 6.60 | | |
| | | | 4 | 951 | 19.3 | 6.83 | | |
| | 1120 | | 6 | 1007 | 20.5 | 6.94 | | |
| | | | | | | | | |
| | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Time Sampled |
|---|---|---|
| 15.87 | 6 | 1127 |

**Comments:**

## GROUNDWATER SAMPLING FIELD NOTES

Technician: Braden B

Site: 7004 Project No.: 410582001 Date: 1/5/05

**Well No.:** MW-1
Depth to Water (feet): 13.11
Total Depth (feet): 23.94
Water Column (feet): 10.83
80% Recharge Depth (feet): 15.27

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

| Time Start | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F) | pH | Turbidity | D.O. |
|---|---|---|---|---|---|---|---|---|
| 1229 | | | 2 | 913 | 17.8 | 8.81 | | |
| | | | 4 | 924 | 18.8 | 9.00 | | |
| | 1239 | | 6 | 922 | 19.1 | 9.03 | | |
| | | | | | | | | |
| | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Time Sampled |
|---|---|---|
| 14.97 | 6 | 1245 |

**Comments:**

**Well No.:** MW-5
Depth to Water (feet): 13.48
Total Depth (feet): 26.00
Water Column (feet): 12.52
80% Recharge Depth (feet): 15.98

Purge Method: Disp
Depth to Product (feet): 0
LPH & Water Recovered (gallons): 6
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 2

| Time Start | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F) | pH | Turbidity | D.O. |
|---|---|---|---|---|---|---|---|---|
| 1247 | | | 2 | 963 | 18.2 | 7.71 | | |
| | | | 4 | 970 | 18.7 | 7.64 | | |
| | 1301 | | 6 | 970 | 19.1 | 7.61 | | |
| | | | | | | | | |
| | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Time Sampled |
|---|---|---|
| 14.73 | 6 | 1305 |

**Comments:**

# GROUNDWATER SAMPLING FIELD NOTES

Technician: Brandon B

Site: 7604 Project No.: 411020001 Date: 1/5/05

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

Depth to Water (feet): 13.44 Depth to Product (feet): 0

Total Depth (feet): 24.60 LPH & Water Recovered (gallons): 0

Water Column (feet): 11.16 Casing Diameter (Inches): 2

80% Recharge Depth (feet): 15.67 1 Well Volume (gallons): ~~1.5~~ 2

| Time Start | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conduc-tivity (uS/cm) | Temperature (F, C) | pH | Turbidity | D.O. |
|---|---|---|---|---|---|---|---|---|
| 1312 | | | ~~2~~ | 712 | 17.9 | 7.20 | | |
| | | | 4 | 740 | 18.1 | 7.21 | | |
| | 1321 | | 6 | 738 | 18.3 | 7.26 | | |
| | | | | | | | | |
| | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Time Sampled |
|---|---|---|
| 1551 | 6 | 1327 |

**Comments:**

**Well No.:** Purge Method:

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

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

Water Column (feet): Casing Diameter (Inches):

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

| Time Start | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conduc-tivity (uS/cm) | Temperature (F, C) | pH | Turbidity | D.O. |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Time Sampled |
|---|---|---|
| | | |

**Comments:**

## GROUNDWATER SAMPLING FIELD NOTES

Technician: BrandenD

Site: 7004 Project No.: 4105004 Date: 1/5/05

Well No.: mw-4
Purge Method: Disp
Depth to Water (feet): 12.21
Depth to Product (feet): ø
Total Depth (feet): 25.55
LPH & Water Recovered (gallons): ø
Water Column (feet): 13.34
Casing Diameter (Inches): 2"
80% Recharge Depth (feet): 14.87
1 Well Volume (gallons): 2"

| Time Start | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F.º) | pH | Turbidity | D.O. |
|---|---|---|---|---|---|---|---|---|
| 1140 | | | 2 | 667 | 14.3 | 7.20 | | |
| | | | 4 | 605 | 18.8 | 6.74 | | |
| | 1149 | | 6 | 727 | 20.4 | 6.81 | | |
| | | | | | | | | |
| | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Time Sampled |
|---|---|---|
| 14.51 | 6 | 1158 |

Comments:

Well No.: mw-2
Purge Method: Disp
Depth to Water (feet): 13.70
Depth to Product (feet): ø
Total Depth (feet): 24.27
LPH & Water Recovered (gallons): ø
Water Column (feet): 10.57
Casing Diameter (Inches): 2"
80% Recharge Depth (feet): 15.01
1 Well Volume (gallons): 2"

| Time Start | Time Stop | Depth To Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F.º) | pH | Turbidity | D.O. |
|---|---|---|---|---|---|---|---|---|
| 1207 | | | 2 | 388 | 19.1 | 6.80 | | |
| | | | 4 | 135 | 20.1 | 6.94 | | |
| | 1215 | | 6 | 101 | 20.1 | 6.95 | | |
| | | | | | | | | |
| | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Time Sampled |
|---|---|---|
| 15.79 | 6 | 1220 |

Comments:

SEVERN TRENT STL

**Submission#: 2005-01-0196**

**TRC Alton Geoscience- Irvine**

January 20, 2005

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20
Project: Conoco Phillips #7004
Site: 15599 Hesperian Blvd, San Leandro

Attached is our report for your samples received on 01/06/2005 15:45
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 02/20/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

**Submission: 2005-01-0196**

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

**Samples Reported**

| Sample Name | Date Sampled | Matrix | Lab # |
|---|---|---|---|
| RW-1 | 01/05/2005 11:01 | Water | 1 |
| MW-6 | 01/05/2005 11:27 | Water | 2 |
| MW-4 | 01/05/2005 11:58 | Water | 3 |
| MW-2 | 01/05/2005 12:20 | Water | 4 |
| MW-1 | 01/05/2005 12:45 | Water | 5 |
| MW-5 | 01/05/2005 13:05 | Water | 6 |
| MW-3 | 01/05/2005 13:27 | Water | 7 |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

Prep(s): 5030B
Sample ID: **RW-1**
Sampled: 01/05/2005 11:01
Matrix: Water

Test(s): 8260B
Lab ID: 2005-01-0196 - 1
Extracted: 1/14/2005 08:13
QC Batch#: 2005/01/14-1A.64

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| GRO (C6-C12) | 160 | 50 | ug/L | 1.00 | 01/14/2005 08:13 | |
| Benzene | ND | 0.50 | ug/L | 1.00 | 01/14/2005 08:13 | |
| Toluene | ND | 0.50 | ug/L | 1.00 | 01/14/2005 08:13 | |
| Ethylbenzene | 2.2 | 0.50 | ug/L | 1.00 | 01/14/2005 08:13 | |
| Total xylenes | ND | 1.0 | ug/L | 1.00 | 01/14/2005 08:13 | |
| Methyl tert-butyl ether (MTBE) | 2.5 | 0.50 | ug/L | 1.00 | 01/14/2005 08:13 | |
| Ethanol | ND | 50 | ug/L | 1.00 | 01/14/2005 08:13 | |
| ***Surrogate(s)*** | | | | | | |
| 1,2-Dichloroethane-d4 | 96.2 | 73-130 | % | 1.00 | 01/14/2005 08:13 | |
| Toluene-d8 | 94.9 | 81-114 | % | 1.00 | 01/14/2005 08:13 | |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

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

Sample ID: **MW-6**
Lab ID: 2005-01-0196 - 2

Sampled: 01/05/2005 11:27
Extracted: 1/13/2005 00:27

Matrix: Water
QC Batch#: 2005/01/12-2C.64

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| GRO (C6-C12) | ND | 50 | ug/L | 1.00 | 01/13/2005 00:27 | |
| Benzene | ND | 0.50 | ug/L | 1.00 | 01/13/2005 00:27 | |
| Toluene | ND | 0.50 | ug/L | 1.00 | 01/13/2005 00:27 | |
| Ethylbenzene | ND | 0.50 | ug/L | 1.00 | 01/13/2005 00:27 | |
| Total xylenes | ND | 1.0 | ug/L | 1.00 | 01/13/2005 00:27 | |
| Methyl tert-butyl ether (MTBE) | ND | 0.50 | ug/L | 1.00 | 01/13/2005 00:27 | |
| Ethanol | ND | 50 | ug/L | 1.00 | 01/13/2005 00:27 | |
| ***Surrogate(s)*** | | | | | | |
| 1,2-Dichloroethane-d4 | 102.0 | 73-130 | % | 1.00 | 01/13/2005 00:27 | |
| Toluene-d8 | 108.4 | 81-114 | % | 1.00 | 01/13/2005 00:27 | |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

Prep(s): 5030B
Test(s): 8260B
Sample ID: **MW-4**
Lab ID: 2005-01-0196 - 3
Sampled: 01/05/2005 11:58
Extracted: 1/13/2005 00:49
Matrix: Water
QC Batch#: 2005/01/12-2C.64

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| GRO (C6-C12) | ND | 50 | ug/L | 1.00 | 01/13/2005 00:49 | |
| Benzene | ND | 0.50 | ug/L | 1.00 | 01/13/2005 00:49 | |
| Toluene | ND | 0.50 | ug/L | 1.00 | 01/13/2005 00:49 | |
| Ethylbenzene | ND | 0.50 | ug/L | 1.00 | 01/13/2005 00:49 | |
| Total xylenes | ND | 1.0 | ug/L | 1.00 | 01/13/2005 00:49 | |
| Methyl tert-butyl ether (MTBE) | 2.7 | 0.50 | ug/L | 1.00 | 01/13/2005 00:49 | |
| Ethanol | ND | 50 | ug/L | 1.00 | 01/13/2005 00:49 | |
| ***Surrogate(s)*** | | | | | | |
| 1,2-Dichloroethane-d4 | 97.2 | 73-130 | % | 1.00 | 01/13/2005 00:49 | |
| Toluene-d8 | 91.6 | 81-114 | % | 1.00 | 01/13/2005 00:49 | |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

Prep(s): 5030B
Test(s): 8260B
Sample ID: **MW-2**
Lab ID: 2005-01-0196 - 4
Sampled: 01/05/2005 12:20
Extracted: 1/13/2005 01:11
Matrix: Water
QC Batch#: 2005/01/12-2C.64

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| GRO (C6-C12) | ND | 50 | ug/L | 1.00 | 01/13/2005 01:11 | Q6 |
| Benzene | ND | 0.50 | ug/L | 1.00 | 01/13/2005 01:11 | |
| Toluene | ND | 0.50 | ug/L | 1.00 | 01/13/2005 01:11 | |
| Ethylbenzene | ND | 0.50 | ug/L | 1.00 | 01/13/2005 01:11 | |
| Total xylenes | ND | 1.0 | ug/L | 1.00 | 01/13/2005 01:11 | |
| Methyl tert-butyl ether (MTBE) | ND | 0.50 | ug/L | 1.00 | 01/13/2005 01:11 | |
| Ethanol | ND | 50 | ug/L | 1.00 | 01/13/2005 01:11 | |
| ***Surrogate(s)*** | | | | | | |
| 1,2-Dichloroethane-d4 | 104.4 | 73-130 | % | 1.00 | 01/13/2005 01:11 | |
| Toluene-d8 | 96.9 | 81-114 | % | 1.00 | 01/13/2005 01:11 | |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

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

Sample ID: **MW-1**
Lab ID: 2005-01-0196 - 5

Sampled: 01/05/2005 12:45
Extracted: 1/13/2005 01:33

Matrix: Water
QC Batch#: 2005/01/12-2C.64

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| GRO (C6-C12) | ND | 50 | ug/L | 1.00 | 01/13/2005 01:33 | |
| Benzene | ND | 0.50 | ug/L | 1.00 | 01/13/2005 01:33 | |
| Toluene | ND | 0.50 | ug/L | 1.00 | 01/13/2005 01:33 | |
| Ethylbenzene | ND | 0.50 | ug/L | 1.00 | 01/13/2005 01:33 | |
| Total xylenes | ND | 1.0 | ug/L | 1.00 | 01/13/2005 01:33 | |
| Methyl tert-butyl ether (MTBE) | ND | 0.50 | ug/L | 1.00 | 01/13/2005 01:33 | |
| Ethanol | ND | 50 | ug/L | 1.00 | 01/13/2005 01:33 | |
| ***Surrogate(s)*** | | | | | | |
| 1,2-Dichloroethane-d4 | 102.1 | 73-130 | % | 1.00 | 01/13/2005 01:33 | |
| Toluene-d8 | 102.4 | 81-114 | % | 1.00 | 01/13/2005 01:33 | |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

Prep(s): 5030B
Test(s): 8260B
Sample ID: **MW-5**
Lab ID: 2005-01-0196 - 6
Sampled: 01/05/2005 13:05
Extracted: 1/14/2005 08:35
Matrix: Water
QC Batch#: 2005/01/14-1A.64

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| GRO (C6-C12) | ND | 50 | ug/L | 1.00 | 01/14/2005 08:35 | |
| Benzene | ND | 0.50 | ug/L | 1.00 | 01/14/2005 08:35 | |
| Toluene | ND | 0.50 | ug/L | 1.00 | 01/14/2005 08:35 | |
| Ethylbenzene | ND | 0.50 | ug/L | 1.00 | 01/14/2005 08:35 | |
| Total xylenes | ND | 1.0 | ug/L | 1.00 | 01/14/2005 08:35 | |
| Methyl tert-butyl ether (MTBE) | 89 | 0.50 | ug/L | 1.00 | 01/14/2005 08:35 | |
| Ethanol | ND | 50 | ug/L | 1.00 | 01/14/2005 08:35 | |
| ***Surrogate(s)*** | | | | | | |
| 1,2-Dichloroethane-d4 | 110.2 | 73-130 | % | 1.00 | 01/14/2005 08:35 | |
| Toluene-d8 | 100.5 | 81-114 | % | 1.00 | 01/14/2005 08:35 | |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

| | | | |
|---|---|---|---|
| Prep(s): | 5030B | Test(s): | 8260B |
| Sample ID: | **MW-3** | Lab ID: | 2005-01-0196 - 7 |
| Sampled: | 01/05/2005 13:27 | Extracted: | 1/14/2005 08:57<br>1/18/2005 09:23 |
| Matrix: | Water | QC Batch#: | 2005/01/14-1A.64<br>2005/01/18-01.07 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| GRO (C6-C12) | 4600 | 250 | ug/L | 5.00 | 01/14/2005 08:57 | |
| Benzene | 0.96 | 0.50 | ug/L | 1.00 | 01/18/2005 09:23 | |
| Toluene | 0.73 | 0.50 | ug/L | 1.00 | 01/18/2005 09:23 | |
| Ethylbenzene | 42 | 0.50 | ug/L | 1.00 | 01/18/2005 09:23 | |
| Total xylenes | 1.4 | 1.0 | ug/L | 1.00 | 01/18/2005 09:23 | |
| Methyl tert-butyl ether (MTBE) | ND | 2.5 | ug/L | 5.00 | 01/14/2005 08:57 | |
| Ethanol | ND | 250 | ug/L | 5.00 | 01/14/2005 08:57 | |
| ***Surrogate(s)*** | | | | | | |
| 1,2-Dichloroethane-d4 | 103.9 | 73-130 | % | 1.00 | 01/18/2005 09:23 | |
| 1,2-Dichloroethane-d4 | 104.9 | 73-130 | % | 5.00 | 01/14/2005 08:57 | |
| Toluene-d8 | 103.7 | 81-114 | % | 1.00 | 01/18/2005 09:23 | |
| Toluene-d8 | 97.7 | 81-114 | % | 5.00 | 01/14/2005 08:57 | |

# Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

## Batch QC Report

Prep(s): 5030B
**Method Blank**
MB: 2005/01/12-2C.64-058

**Water**

Test(s): 8260B
**QC Batch # 2005/01/12-2C.64**
Date Extracted: 01/12/2005 19:58

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|---|---|---|---|---|---|
| Methyl tert-butyl ether (MTBE) | ND | 0.5 | ug/L | 01/12/2005 19:58 | |
| Benzene | ND | 0.5 | ug/L | 01/12/2005 19:58 | |
| Toluene | ND | 0.5 | ug/L | 01/12/2005 19:58 | |
| Ethylbenzene | ND | 0.5 | ug/L | 01/12/2005 19:58 | |
| Total xylenes | ND | 1.0 | ug/L | 01/12/2005 19:58 | |
| Ethanol | ND | 50 | ug/L | 01/12/2005 19:58 | |
| ***Surrogates(s)*** | | | | | |
| 1,2-Dichloroethane-d4 | 101.0 | 73-130 | % | 01/12/2005 19:58 | |
| Toluene-d8 | 108.2 | 81-114 | % | 01/12/2005 19:58 | |
| GRO (C6-C12) | ND | 50 | ug/L | 01/12/2005 19:58 | |

# Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

## Batch QC Report

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Water**

**QC Batch # 2005/01/14-1A.64**

MB: 2005/01/14-1A.64-040

Date Extracted: 01/14/2005 07:40

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|---|---|---|---|---|---|
| GRO (C6-C12) | ND | 50 | ug/L | 01/14/2005 07:40 | |
| Benzene | ND | 0.5 | ug/L | 01/14/2005 07:40 | |
| Toluene | ND | 0.5 | ug/L | 01/14/2005 07:40 | |
| Ethylbenzene | ND | 0.5 | ug/L | 01/14/2005 07:40 | |
| Total xylenes | ND | 1.0 | ug/L | 01/14/2005 07:40 | |
| Methyl tert-butyl ether (MTBE) | ND | 0.5 | ug/L | 01/14/2005 07:40 | |
| Ethanol | ND | 50 | ug/L | 01/14/2005 07:40 | |
| ***Surrogates(s)*** | | | | | |
| 1,2-Dichloroethane-d4 | 96.0 | 73-130 | % | 01/14/2005 07:40 | |
| Toluene-d8 | 95.8 | 81-114 | % | 01/14/2005 07:40 | |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

### Batch QC Report

Prep(s): 5030B
**Method Blank**
MB: 2005/01/18-01.07-003

**Water**

Test(s): 8260B
**QC Batch # 2005/01/18-01.07**
Date Extracted: 01/18/2005 16:54

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|---|---|---|---|---|---|
| Benzene | ND | 0.5 | ug/L | 01/18/2005 16:54 | |
| Toluene | ND | 0.5 | ug/L | 01/18/2005 16:54 | |
| Ethylbenzene | ND | 0.5 | ug/L | 01/18/2005 16:54 | |
| Total xylenes | ND | 1.0 | ug/L | 01/18/2005 16:54 | |
| ***Surrogates(s)*** | | | | | |
| 1,2-Dichloroethane-d4 | 97.8 | 73-130 | % | 01/18/2005 16:54 | |
| Toluene-d8 | 104.0 | 81-114 | % | 01/18/2005 16:54 | |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

### Batch QC Report

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike** **Water** **QC Batch # 2005/01/12-2C.64**

LCS 2005/01/12-2C.64-036 Extracted: 01/12/2005 Analyzed: 01/12/2005 19:36
LCSD

| Compound | Conc. ug/L | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|---|---|---|---|---|---|---|---|---|---|---|
| | LCS | LCSD | | LCS | LCSD | % | Rec. | RPD | LCS | LCSD |
| Methyl tert-butyl ether (MTBE) | 31.1 | | 25 | 124.4 | | | 65-165 | 20 | | |
| Benzene | 24.2 | | 25 | 96.8 | | | 69-129 | 20 | | |
| Toluene | 28.1 | | 25 | 112.4 | | | 70-130 | 20 | | |
| ***Surrogates(s)*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 480 | | 500 | 96.0 | | | 73-130 | | | |
| Toluene-d8 | 563 | | 500 | 112.6 | | | 81-114 | | | |

# Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

## Batch QC Report

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike** **Water** **QC Batch # 2005/01/14-1A.64**

LCS 2005/01/14-1A.64-018 Extracted: 01/14/2005 Analyzed: 01/14/2005 07:18
LCSD

| Compound | Conc. ug/L | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|---|---|---|---|---|---|---|---|---|---|---|
| | LCS | LCSD | | LCS | LCSD | % | Rec. | RPD | LCS | LCSD |
| Methyl tert-butyl ether (MTBE) | 24.2 | | 25 | 96.8 | | | 65-165 | 20 | | |
| Benzene | 24.2 | | 25 | 96.8 | | | 69-129 | 20 | | |
| Toluene | 25.5 | | 25 | 102.0 | | | 70-130 | 20 | | |
| ***Surrogates(s)*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 466 | | 500 | 93.2 | | | 73-130 | | | |
| Toluene-d8 | 500 | | 500 | 100.0 | | | 81-114 | | | |

# Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

## Batch QC Report

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike** **Water** **QC Batch # 2005/01/18-01.07**

LCS 2005/01/18-01.07-002 Extracted: 01/18/2005 Analyzed: 01/18/2005 16:23
LCSD

| Compound | Conc. ug/L | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|---|---|---|---|---|---|---|---|---|---|---|
| | LCS | LCSD | | LCS | LCSD | % | Rec. | RPD | LCS | LCSD |
| Benzene | 21.4 | | 25.0 | 85.6 | | | 69-129 | 20 | | |
| Toluene | 23.5 | | 25.0 | 94.0 | | | 70-130 | 20 | | |
| ***Surrogates(s)*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 526 | | 500 | 105.2 | | | 73-130 | | | |
| Toluene-d8 | 520 | | 500 | 104.0 | | | 81-114 | | | |

# Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

## Batch QC Report

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )** **Water** **QC Batch # 2005/01/12-2C.64**

MS/MSD

Lab ID: 2005-01-0211 - 004

MS: 2005/01/12-2C.64-049 Extracted: 01/12/2005 Analyzed: 01/12/2005 20:49

Dilution: 1.00

MSD: 2005/01/12-2C.64-011 Extracted: 01/12/2005 Analyzed: 01/12/2005 21:11

Dilution: 1.00

| Compound | Conc. ug/L | | | Spk.Level | Recovery % | | | Limits % | | Flags | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MS | MSD | Sample | ug/L | MS | MSD | RPD | Rec. | RPD | MS | MSD |
| Methyl tert-butyl ether | 21.3 | 23.7 | ND | 25 | 85.2 | 94.8 | 10.7 | 65-165 | 20 | | |
| Benzene | 23.5 | 24.0 | ND | 25 | 94.0 | 96.0 | 2.1 | 69-129 | 20 | | |
| Toluene | 24.6 | 25.7 | ND | 25 | 98.4 | 102.8 | 4.4 | 70-130 | 20 | | |
| ***Surrogate(s)*** | | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 428 | 499 | | 500 | 85.6 | 99.8 | | 73-130 | | | |
| Toluene-d8 | 542 | 493 | | 500 | 108.4 | 98.6 | | 81-114 | | | |

# Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

## Batch QC Report

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )** **Water** **QC Batch # 2005/01/14-1A.64**

MS/MSD

Lab ID: 2005-01-0243 - 003

MS: 2005/01/14-1A.64-041 Extracted: 01/14/2005 Analyzed: 01/14/2005 10:24

Dilution: 1.00

MSD: 2005/01/14-1A.64-008 Extracted: 01/14/2005 Analyzed: 01/14/2005 10:46

Dilution: 1.00

| Compound | Conc. ug/L | | | Spk.Level | Recovery % | | | Limits % | | Flags | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MS | MSD | Sample | ug/L | MS | MSD | RPD | Rec. | RPD | MS | MSD |
| Benzene | 25.1 | 25.2 | 0.81 | 25 | 97.2 | 97.6 | 0.4 | 69-129 | 20 | | |
| Toluene | 26.5 | 27.2 | 0.099 | 25 | 105.6 | 108.4 | 2.6 | 70-130 | 20 | | |
| Methyl tert-butyl ether | 47.3 | 43.5 | 16.008 | 25 | 125.2 | 110.0 | 12.9 | 65-165 | 20 | | |
| ***Surrogate(s)*** | | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 494 | 468 | | 500 | 98.8 | 93.6 | | 73-130 | | | |
| Toluene-d8 | 499 | 466 | | 500 | 99.8 | 93.2 | | 81-114 | | | |

# Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

## Batch QC Report

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )** **Water** **QC Batch # 2005/01/18-01.07**

MS/MSD

Lab ID: 2005-01-0289 - 001

MS: 2005/01/18-01.07-007 Extracted: 01/18/2005 Analyzed: 01/18/2005 19:20
Dilution: 1.00

MSD: 2005/01/18-01.07-008 Extracted: 01/18/2005 Analyzed: 01/18/2005 19:51
Dilution: 1.00

| Compound | Conc. ug/L | | | Spk.Level | Recovery % | | | Limits % | | Flags | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MS | MSD | Sample | ug/L | MS | MSD | RPD | Rec. | RPD | MS | MSD |
| Benzene | 26.2 | 26.6 | 11.1 | 25.0 | 60.4 | 62.0 | 2.6 | 69-129 | 20 | M4 | M4 |
| Toluene | 21.0 | 21.3 | 4.34 | 25.0 | 66.6 | 67.8 | 1.8 | 70-130 | 20 | M4 | M4 |
| *Surrogate(s)* | | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 556 | 526 | | 500 | 111.2 | 105.2 | | 73-130 | | | |
| Toluene-d8 | 503 | 505 | | 500 | 100.6 | 101.0 | | 81-114 | | | |

## Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7004

Received: 01/06/2005 15:45

Site: 15599 Hesperian Blvd, San Leandro

### Legend and Notes

**Sample Comment**

Lab ID: 2005-01-0196 -4

Siloxane peaks were found in the sample which are not believed to be gasoline related. If they were to be quantitated as gasoline, the concentration would be 110 ug/L

**Result Flag**

M4

MS/MSD spike recoveries were above acceptance limits.
See blank spike (LCS).

Q6

The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

2005-01-0196

# ConocoPhillips Chain Of Custody Record

99781

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

**ConocoPhillips Site Manager:**

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

**ConocoPhillips Work Order Number**

**ConocoPhillips Cost Object**

DATE: 1/5/05

PAGE: 1 of 1

| | | |
|---|---|---|
| SAMPLING COMPANY: TRC | Valid Value ID: | CONOCOPHILLIPS SITE NUMBER: 7004-603 |
| ADDRESS: 21 Technology Drive, Irvine CA 92618 | | SITE ADDRESS (Street and City): 15599 Hesperian Blvd, San Leandro |
| PROJECT CONTACT (Hardcopy or PDF Report to): Anju Farfan | | EDF DELIVERABLE TO (RP or Designee): Peter Thomson, TRC pthomson@trcsolutions.com |
| TELEPHONE: 949-341-7440 | FAX: 949-753-0111 | E-MAIL: afarfan@trcsolutions.com |
| SAMPLER NAME(S) (Print): Brandon B | CONSULTANT PROJECT NUMBER: 41050001/FA20 | |

GLOBAL ID NO.: T0600101451

CONOCOPHILLIPS SITE MANAGER: T Thomas Kosel

PHONE NO.: 949-341-7408

E-MAIL:

LAB USE ONLY

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

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

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

| LAB USE ONLY | Sample Identification/Field Point Name* | SAMPLING DATE | SAMPLING TIME | MATRIX | NO. OF CONT. | 8015m - TPHd Extractable | 8260B - TPHg/BTEX/MtBE | 8260B - TPHg / BTEX / 8 Oxygenates | 8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M) | 8260B - Full Scan VOCs (does not include oxygenates) | 8270C - Semi-Volatiles | 8015M / 8021B - TPHg/BTEX/MtBE | Lead ☐total ☐STLC ☐TCLP | 7941 by 8260B | BTEX/MtBE by 8260B | Ethanol by 8260B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MW-1 | 1/5 | 1101 | GW | 3 | | | | | | | | | | | |
| | MW-6 | | 1127 | | | | | | | | | | | | | |
| | MW-4 | | 1158 | | | | | | | | | | | | | |
| | MW-2 | | 1220 | | | | | | | | | | | | | |
| | MW-1 | | 1245 | | | | | | | | | | | | | |
| | MW-5 | | 1305 | | | | | | | | | | | | | |
| | MW-3 | | 1327 | | | | | | | | | | | | | |

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

2°C

TEMPERATURE ON RECEIPT C°: 3 Vials w/HCl

| | | | |
|---|---|---|---|
| Relinquished by: (Signature) | Received by: (Signature) fridge | Date: 1/5/05 | Time: 1451 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: 1/6/05 | Time: 1500 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: 1/6/05 | Time: 1545 |

9/19/03 Revision

## STATEMENTS

### Purge Water Disposal

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

### Limitations

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