ConocoPhillips
76 Broadway
Sacramento, California 95818

**RECEIVED**

3:26 pm, Nov 07, 2007

Alameda County
Environmental Health

October 31, 2007

Mr. Steven Plunkett
Supervising Hazardous Materials Specialist
Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Re: **Report Transmittal**
**Quarterly Status Report – Third Quarter 2007**
**76 Service Station #0752**
**800 Harrison Street**
**Oakland, CA**

Dear Mr. Plunkett:

I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please contact me at (916) 558-7612.

Sincerely,

Bill Borgh

Bill Borgh
Site Manager – Risk Management and Remediation

Attachment

1590 Solano Way
#A
Concord, CA 94520

925.688.1200 PHONE
925.688.0388 FAX

www.TRCsolutions.com

October 31, 2007 TRC Project No. 153723

Mr. Steven Plunkett
Hazardous Materials Specialist
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

**RE: Quarterly Status Report – Third Quarter 2007**
**76 Service Station #0752, 800 Harrison Street, Oakland, California**
**Alameda County**

Dear Mr. Plunkett:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the Third Quarter 2007 Status Report for the subject site. The subject site is a 76 service station located northeast and across 8th Street from a Shell service station that is located adjacent to and northeast of a currently closed Arco service station. In addition, a gasoline and diesel service station referred to as "Mandarin Auto Service" is located east-southeast of the site.

## PREVIOUS ASSESSMENTS

November 1990: Kaprealian Engineering, Inc's. (KEI) initial fieldwork was conducted when two underground gasoline storage tanks (USTs) and a waste oil tank were removed from the site. The tanks were made of steel, and no apparent holes or cracks were observed in the fuel tanks; however, a 1/8 inch square hole was observed in the waste oil tank. KEI collected an additional soil sample from the fuel tank pit at a depth of approximately 19 feet below ground surface (bgs).

December 1990: KEI returned to the site to collect soil samples from beneath the pump islands. KEI returned to the site in order to collect a sample from the pump island excavation.

January 1991: At the request of the Alameda County Health Care Services (ACHCS), KEI returned to the site in order to collect one additional soil sample from the waste oil tank pit. After sampling, the waste oil tank pit was excavated to the sample depth of 9.5 feet bgs.

May 1991: Three monitoring wells and two exploratory borings were installed at the site. The monitoring wells were drilled and completed to total depths ranging from 33 to 35 feet bgs. The exploratory borings were each drilled to total depths of 23 feet bgs.

Groundwater was encountered at depths ranging from about 22.5 to 24 feet bgs during drilling. Based on the analytical results, a monthly groundwater monitoring and quarterly groundwater-sampling program was implemented.

September-October 1992: Three additional monitoring wells were installed to further delineate the extent of groundwater contamination. These wells were drilled to total depths ranging from 32 to 33 feet bgs. Groundwater was encountered at depths ranging from 21.5 to 23 feet bgs.

April 1993: Two additional monitoring wells were installed in the vicinity of the site. These monitoring wells were drilled to a total depth of 31 to 33 feet bgs. Groundwater was encountered at depths of 21 to 21.5 feet bgs. Based on the analytical results of all of the soil samples collected, KEI concluded that the horizontal extent of the soil contamination at the site had been defined, and that the contamination was limited to the areas beneath the fuel tanks and the southernmost pump island. Based on the groundwater monitoring data collected and evaluated through April of 1993, the groundwater flow direction had been consistently to the southwest or south-southwest. In addition, no free product or sheen had been detected in any well through April of 1993. KEI recommended quarterly monitoring frequency.

October 2003: Site environmental consulting responsibilities were transferred to TRC.

February 5-7, 2007: TRC conducted a soil and groundwater investigation, which involved the advancement of two onsite and four offsite deep exploratory borings using a Cone Penetration Testing (CPT) rig in order to evaluate the presence of deeper water bearing zones and to determine the lateral distribution of dissolved-phase hydrocarbons in the shallow water-bearing zone.

## SENSITIVE RECEPTORS

Lake Merritt and the Oakland Estuary are located approximately 0.5 miles from the site. A sensitive receptor survey has not been performed for this site.

## MONITORING AND SAMPLING

Currently, four offsite and four onsite wells are monitored and sampled semi-annually during the first and third quarters. Eight wells were monitored and sampled during this third quarter. During the Third Quarter 2007, the groundwater flow direction was toward the southwest at a calculated hydraulic gradient of 0.017 feet per foot. This is consistent with historical trends.

## CHARACTERIZATION STATUS

During the third quarter 2007, total petroleum hydrocarbons as gasoline (TPH-g) were detected in seven of the eight wells sampled at a maximum concentration of 9,000 micrograms per liter (µg/l) in monitoring well MW-3. Benzene was detected in three of the eight wells sampled at a maximum concentration of 440 µg/l in well MW-7. MTBE was detected in seven of the eight wells sampled at a maximum concentration of 11,000 µg/l in monitoring well MW-3.

## REMEDIATION STATUS

Remediation is not currently being conducted at the site.

## RECENT CORRESPONDENCE

August 16, 2007: The ACEH issued a letter in response to the February 28, 2006 *Work Plan for Evaluation of Low-Flow Purging and Sampling Methods* generally concurring the scope of work outlined in the work plan, with minor modifications.

## CURRENT QUARTER ACTIVITIES

September 28, 2007: TRC performed groundwater monitoring and sampling. Wastewater generated from well purging and equipment cleaning was stored at TRC's groundwater monitoring facility in Concord, California, and transported by Onyx to the ConocoPhillips Refinery in Rodeo, California, for treatment and disposal.

September 28, 2007: TRC submitted the *Additional Soil and Groundwater Investigation Report* documenting a soil and groundwater investigation which involved the advancement of two onsite and four off-site deep exploratory borings using a Cone Penetration Testing (CPT) rig in order to evaluate the presence of deeper water bearing zones and to determine the lateral distribution of dissolved-phase hydrocarbons in the shallow water-bearing zone.

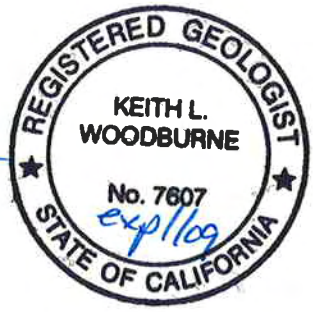
## CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the February 2007 CPT Hydropunch investigation, TRC recommended the installation of one shallow-zone and three deeper-zone monitoring wells to further assess the lateral and vertical extent of impacted groundwater both onsite and offsite. In addition, TRC recommends updating the sensitive receptor survey for the site.

**Environmental consulting responsibilities for the Site are being transferred to Delta Consultants. Please direct all future questions regarding the Site to Delta Consultants project manager Daniel Davis at (916) 503-1260.**

Sincerely,

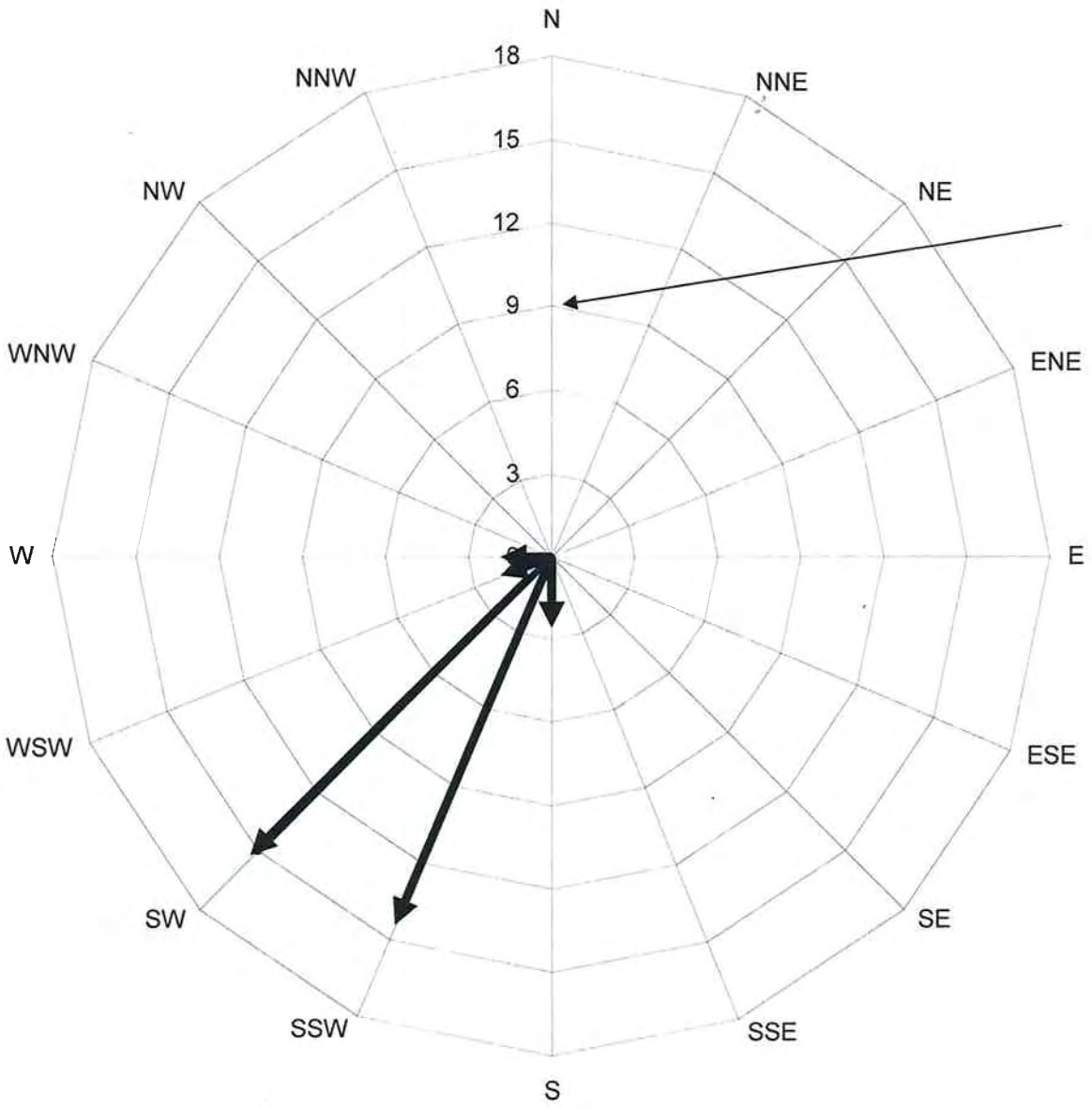
Keith Woodburne, P.G.
Senior Project Manager




Attachment:
Historical Groundwater Flow Directions – October 2000 through September 2007
Quarterly Monitoring Report, July through September 2007 (TRC, October 19, 2007)

cc: Bill Borgh, ConocoPhillips (electronic upload only)

**Historical Groundwater Flow Directions**
**for Tosco (76) Service Station No. 0752**
**January 1994 through September 2007**




Number of monitoring events in which groundwater was reported to flow in a particular direction.

**FIGURE 3**

TRC

21 Technology Drive
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: October 19, 2007

TO: ConocoPhillips Company
76 Broadway
Sacramento, California 95818

ATTN: MR. BILL BORGH

SITE: 76 STATION 0752
800 HARRISON STREET
OAKLAND, CALIFORNIA

RE: SEMI-ANNUAL MONITORING REPORT
APRIL THROUGH JULY 2007

Dear Mr. Borgh:

Please find enclosed our Semi-Annual Monitoring Report for 76 Station 0752, located at 800 Harrison Street, Oakland, California. If you have any questions regarding this report, please call us at (949) 727-9336.

Sincerely,

TRC

Anju Farfan
Groundwater Program Operations Manager

CC: Mr. Keith Woodburne, TRC (2 copies)

Enclosures
20-0400/0752R09.QMS

**SEMI-ANNUAL MONITORING REPORT**
**APRIL THROUGH SEPTEMBER 2007**

76 STATION 0752
800 Harrison Street
Oakland, California

Prepared For:

Mr. Bill Borgh
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:


Senior Project Geologist, Irvine Operations

Date: 10/16/07

TRC

| LIST OF ATTACHMENTS | |
|---|---|
| Summary Sheet | Summary of Gauging and Sampling Activities |
| Tables | Table Key<br>Contents of Tables<br>Table 1: Current Fluid Levels and Selected Analytical Results<br>Table 1a: Additional Current Analytical Results<br>Table 2: Historic Fluid Levels and Selected Analytical Results<br>Table 2a: Additional Historic Analytical Results<br>Table 2b: Additional Historic Analytical Results |
| Figures | Figure 1: Vicinity Map<br>Figure 2: Groundwater Elevation Contour Map<br>Figure 3: Dissolved-Phase TPH-G (GC/MS) Concentration Map<br>Figure 4: Dissolved-Phase Benzene Concentration Map<br>Figure 5: Dissolved-Phase MTBE Concentration Map |
| Graphs | Groundwater Elevations vs. Time<br>Benzene Concentrations vs. Time |
| Field Activities | General Field Procedures<br>Field Monitoring Data Sheet – 09/28/07<br>Groundwater Sampling Field Notes – 09/28/07 |
| Laboratory Reports | Official Laboratory Reports<br>Quality Control Reports<br>Chain of Custody Records |
| Statement | Purge Water Disposal<br>Limitations |

# Summary of Gauging and Sampling Activities
# April 2007 through September 2007
# 76 Station 0752
# 800 Harrison Street
# Oakland, CA

Project Coordinator: **Bill Borgh**
Telephone: **916-558-7612**
Water Sampling Contractor: ***TRC***
Compiled by: **Christina Carrillo**
Date(s) of Gauging/Sampling Event: **09/28/07**

## Sample Points

Groundwater wells: **4** onsite, **4** offsite Wells gauged: **8** Wells sampled: **8**
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: **17.75 feet** Maximum: **19.73 feet**
Average groundwater elevation (relative to available local datum): **14.72 feet**
Average change in groundwater elevation since previous event: **-0.80 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.017 ft/ft, southwest**
Previous event: **0.008 ft/ft, southwest (03/27/07)**

## Selected Laboratory Results

Wells with detected **Benzene:** **3** Wells above MCL (1.0 µg/l): **3**
Maximum reported benzene concentration: **440 µg/l (MW-7)**

Wells with **TPH-G by GC/MS** **7** Maximum: **9,000 µg/l (MW-3)**
Wells with **MTBE 8260B** **7** Maximum: **11,000 µg/l (MW-3)**

## Notes:

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

# TABLES

# TABLE KEY

STANDARD ABBREVIATIONS

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

ANALYTES

| | | |
|---|---|---|
| BTEX | = | benzene, toluene, ethylbenzene, and (total) xylenes |
| DIPE | = | di-isopropyl ether |
| ETBE | = | ethyl tertiary butyl ether |
| MTBE | = | methyl tertiary butyl ether |
| PCB | = | polychlorinated biphenyls |
| PCE | = | tetrachloroethene |
| TBA | = | tertiary butyl alcohol |
| TCA | = | trichloroethane |
| TCE | = | trichloroethene |
| TPH-G | = | total petroleum hydrocarbons with gasoline distinction |
| TPH-G (GC/MS) | = | total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B |
| TPH-D | = | total petroleum hydrocarbons with diesel distinction |
| TRPH | = | total recoverable petroleum hydrocarbons |
| TAME | = | tertiary amyl methyl ether |
| 1,1-DCA | = | 1,1-dichloroethane |
| 1,2-DCA | = | 1,2-dichloroethane (same as EDC, ethylene dichloride) |
| 1,1-DCE | = | 1,1-dichloroethene |
| 1,2-DCE | = | 1,2-dichloroethene (cis- and trans-) |

NOTES

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

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 0752 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

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# Contents of Tables 1 and 2
# Site: 76 Station 0752

## Current Event

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Table 1** | Well/ Date | Depth to Water | LPH Thickness | Ground-water Elevation | Change in Elevation | TPH-G (8015M) | TPH-G (GC/MS) | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE (8021B) | MTBE (8260B) | Comments | |
| **Table 1a** | Well/ Date | Ethanol (8260B) | | | | | | | | | | | | | |

## Historic Data

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Table 2** | Well/ Date | Depth to Water | LPH Thickness | Ground-water Elevation | Change in Elevation | TPH-G (8015M) | TPH-G (GC/MS) | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE (8021B) | MTBE (8260B) | Comments | | |
| **Table 2a** | Well/ Date | TPH-D | TBA | Ethanol (8260B) | Ethylene-dibromide (EDB) | 1,2-DCA (EDC) | DIPE | ETBE | TAME | Total Oil and Grease | Chloroform | Tetrachloro - ethene (PCE) | Trichloro-ethene (TCE) | Cadmium (dissolved) | Calcium | Chromium (total) |
| **Table 2b** | Well/ Date | Iron (total) | Lead (total) | Manganese (dissolved) | Nickel | Zinc (dissolved) | Nitrate | Sulfate | Alkalinity ( bicarb.) | BOD | Post-purge Dissolved Oxygen | Pre-purge Dissolved Oxygen | | | | |

**Table 1**

**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**September 28, 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (8015M) (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | **(Screen Interval in feet: 13.5-33.5)** | | | | | | | | | | | | |
| 9/28/2007 | 34.69 | 19.73 | 0.00 | 14.96 | -0.89 | -- | 68 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | 15 | |
| **MW-2** | | **(Screen Interval in feet: 15-33)** | | | | | | | | | | | | |
| 9/28/2007 | 34.72 | 18.38 | 0.00 | 16.34 | 0.19 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | ND<0.50 | |
| **MW-3** | | **(Screen Interval in feet: 15-33)** | | | | | | | | | | | | |
| 9/28/2007 | 33.14 | 18.59 | 0.00 | 14.55 | -1.04 | -- | 9000 | 55 | ND<50 | ND<50 | ND<50 | -- | 11000 | |
| **MW-4** | | **(Screen Interval in feet: 15-33)** | | | | | | | | | | | | |
| 9/28/2007 | 32.71 | 18.13 | 0.00 | 14.58 | -0.98 | -- | 590 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | 1400 | |
| **MW-5** | | **(Screen Interval in feet: 15-32)** | | | | | | | | | | | | |
| 9/28/2007 | 32.95 | 18.25 | 0.00 | 14.70 | -0.82 | -- | 1300 | 13 | 6.0 | 2.3 | 15 | -- | 8.4 | |
| **MW-6** | | **(Screen Interval in feet: 15-32)** | | | | | | | | | | | | |
| 9/28/2007 | 32.16 | 17.75 | 0.00 | 14.41 | -1.02 | -- | 830 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | 1600 | |
| **MW-7** | | **(Screen Interval in feet: 13-33)** | | | | | | | | | | | | |
| 9/28/2007 | 32.20 | 18.10 | 0.00 | 14.10 | -0.80 | -- | 4000 | 440 | 15 | 17 | 59 | -- | 3300 | |
| **MW-8** | | **(Screen Interval in feet: 11-29)** | | | | | | | | | | | | |
| 9/28/2007 | 32.00 | 17.91 | 0.00 | 14.09 | -1.04 | -- | 280 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | -- | 670 | |

**Table 1 a**
**ADDITIONAL CURRENT ANALYTICAL RESULTS**
**76 Station 0752**

| Date Sampled | Ethanol (8260B) |
|---|---|
| | (µg/l) |
| **MW-1** | |
| 9/28/2007 | ND<250 |
| **MW-2** | |
| 9/28/2007 | ND<250 |
| **MW-3** | |
| 9/28/2007 | ND<25000 |
| **MW-4** | |
| 9/28/2007 | ND<2500 |
| **MW-5** | |
| 9/28/2007 | ND<250 |
| **MW-6** | |
| 9/28/2007 | ND<2500 |
| **MW-7** | |
| 9/28/2007 | ND<5000 |
| **MW-8** | |
| 9/28/2007 | ND<1200 |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**June 1991 Through September 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (8015M) (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | **(Screen Interval in feet: 13.5-33.5)** | | | | | | | | | | | | | |
| 6/5/1991 | 34.94 | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 9/30/1991 | 34.94 | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 12/30/1991 | 34.94 | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 4/2/1992 | 34.94 | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 6/30/1992 | 34.94 | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 9/15/1992 | 34.94 | -- | -- | -- | -- | 76 | -- | 1.0 | ND | ND | ND | -- | -- | |
| 12/21/1992 | 34.94 | 21.17 | 0.00 | 13.77 | -- | 95 | -- | 0.69 | ND | ND | 1.0 | -- | -- | |
| 4/28/1993 | 34.94 | -- | -- | -- | -- | 920 | -- | 3.1 | 2.3 | 1.2 | 9.7 | -- | -- | |
| 7/23/1993 | 34.94 | 20.13 | 0.00 | 14.81 | -- | ND | -- | 0.5 | 0.66 | ND | ND | -- | -- | |
| 10/5/1993 | 34.69 | 20.30 | 0.00 | 14.39 | -0.42 | 92 | -- | 1.5 | ND | ND | 0.72 | -- | -- | |
| 1/3/1994 | 34.69 | 20.52 | 0.00 | 14.17 | -0.22 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 4/2/1994 | 34.69 | 20.16 | 0.00 | 14.53 | 0.36 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 7/5/1994 | 34.69 | 19.27 | 0.00 | 15.42 | 0.89 | 250 | -- | 4.8 | 13 | 1.2 | 7.3 | -- | -- | |
| 10/6/1994 | 34.69 | 20.87 | 0.00 | 13.82 | -1.60 | 540 | -- | 1.4 | ND | 0.66 | 11 | -- | -- | |
| 1/2/1995 | 34.69 | 19.67 | 0.00 | 15.02 | 1.20 | 140 | -- | ND | ND | ND | ND | -- | -- | |
| 4/3/1995 | 34.69 | 17.61 | 0.00 | 17.08 | 2.06 | 580 | -- | 3.6 | 0.8 | ND | 4.0 | -- | -- | |
| 7/14/1995 | 34.69 | 18.58 | 0.00 | 16.11 | -0.97 | 260 | -- | 2.1 | ND | ND | 1.2 | -- | -- | |
| 10/10/1995 | 34.69 | 19.60 | 0.00 | 15.09 | -1.02 | 220 | -- | 2.0 | ND | 25 | 5.6 | 29 | -- | |
| 1/3/1996 | 34.69 | 19.69 | 0.00 | 15.00 | -0.09 | 190 | -- | 2.4 | ND | 0.71 | 1.2 | -- | -- | |
| 4/10/1996 | 34.69 | 17.65 | 0.00 | 17.04 | 2.04 | 540 | -- | 8.9 | 1.7 | 1.5 | 7.4 | 50 | -- | |
| 7/9/1996 | 34.69 | 18.52 | 0.00 | 16.17 | -0.87 | 490 | -- | 3.0 | 1.4 | 1.3 | 2.5 | 150 | -- | |
| 1/24/1997 | 34.69 | 17.72 | 0.00 | 16.97 | 0.80 | 760 | -- | 27 | 0.89 | 5.2 | 10 | 510 | -- | |
| 7/23/1997 | 34.69 | 19.42 | 0.00 | 15.27 | -1.70 | ND | -- | ND | ND | ND | ND | 550 | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**June 1991 Through September 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (8015M) (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1 continued** | | | | | | | | | | | | | | |
| 1/26/1998 | 34.69 | 17.46 | 0.00 | 17.23 | 1.96 | 1800 | -- | ND | ND | ND | ND | 4800 | -- | |
| 7/3/1998 | 34.69 | 18.61 | 0.00 | 16.08 | -1.15 | ND | -- | ND | ND | ND | ND | 1800 | -- | |
| 1/14/1999 | 34.69 | 18.92 | 0.00 | 15.77 | -0.31 | 83 | -- | ND | ND | ND | ND | 230 | -- | |
| 7/15/1999 | 34.69 | 17.84 | 0.00 | 16.85 | 1.08 | 110 | -- | ND | ND | ND | 1.0 | 290 | -- | |
| 1/7/2000 | 34.69 | 19.13 | 0.00 | 15.56 | -1.29 | ND | -- | ND | ND | ND | ND | 260 | -- | |
| 7/19/2000 | 34.69 | 20.27 | 0.00 | 14.42 | -1.14 | ND | -- | ND | ND | ND | ND | 648 | -- | |
| 1/2/2001 | 34.69 | 20.04 | 0.00 | 14.65 | 0.23 | ND | -- | ND | ND | ND | ND | 119 | -- | |
| 5/23/2001 | 34.69 | 18.27 | 0.00 | 16.42 | 1.77 | 84 | -- | ND | ND | ND | ND | 760 | -- | |
| 7/30/2001 | 34.69 | 18.56 | 0.00 | 16.13 | -0.29 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 350 | -- | |
| 10/15/2001 | 34.69 | 18.72 | 0.00 | 15.97 | -0.16 | 96 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 160 | -- | |
| 1/14/2002 | 34.69 | 16.78 | 0.00 | 17.91 | 1.94 | 450 | -- | ND<2.5 | ND<2.5 | ND<2.5 | 3.3 | 4100 | -- | |
| 4/15/2002 | 34.69 | 17.35 | 0.00 | 17.34 | -0.57 | ND<1000 | -- | ND<10 | ND<10 | ND<10 | ND<10 | 10000 | -- | |
| 7/15/2002 | 34.69 | 17.63 | 0.00 | 17.06 | -0.28 | 2100 | -- | ND<10 | ND<10 | ND<10 | ND<20 | -- | 2100 | |
| 1/18/2003 | 34.69 | 17.04 | 0.00 | 17.65 | 0.59 | ND<25000 | -- | ND<250 | ND<250 | ND<250 | ND<500 | -- | 29000 | |
| 7/11/2003 | 34.69 | 17.91 | 0.00 | 16.78 | -0.87 | 4000 | -- | ND<25 | ND<25 | ND<25 | ND<50 | -- | 6300 | |
| 2/4/2004 | 34.69 | 17.98 | 0.00 | 16.71 | -0.07 | -- | 8000 | ND<50 | ND<50 | ND<50 | ND<100 | -- | 8500 | |
| 8/11/2004 | 34.69 | 17.84 | 0.00 | 16.85 | 0.14 | -- | 1100 | ND<10 | ND<10 | ND<10 | ND<20 | -- | 1500 | |
| 3/31/2005 | 34.69 | 15.71 | 0.00 | 18.98 | 2.13 | -- | ND<2000 | ND<0.50 | ND<0.50 | 0.54 | 2.2 | -- | 4900 | |
| 9/30/2005 | 34.69 | 17.65 | 0.00 | 17.04 | -1.94 | -- | 190 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 160 | |
| 3/27/2006 | 34.69 | 15.03 | 0.00 | 19.66 | 2.62 | -- | 760 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 1000 | |
| 9/27/2006 | 34.69 | 18.45 | 0.00 | 16.24 | -3.42 | -- | 170 | ND<0.50 | ND<0.50 | ND<0.50 | 0.61 | -- | 73 | |
| 3/27/2007 | 34.69 | 18.84 | 0.00 | 15.85 | -0.39 | -- | 120 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | 99 | |
| 9/28/2007 | 34.69 | 19.73 | 0.00 | 14.96 | -0.89 | -- | 68 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | 15 | |

**MW-2** **(Screen Interval in feet: 15-33)**

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**June 1991 Through September 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (8015M) (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-2 continued** | | | | | | | | | | | | | | |
| 6/5/1991 | 34.97 | -- | -- | -- | -- | 49 | -- | ND | ND | ND | ND | -- | -- | |
| 9/30/1991 | 34.97 | -- | -- | -- | -- | 130 | -- | 18 | 0.53 | 14 | 9.6 | -- | -- | |
| 12/30/1991 | 34.97 | -- | -- | -- | -- | 91 | -- | 16 | 0.89 | 11 | 1.9 | -- | -- | |
| 4/2/1992 | 34.97 | -- | -- | -- | -- | 88 | -- | 12 | 0.32 | 6.3 | 7.2 | -- | -- | |
| 6/30/1992 | 34.97 | -- | -- | -- | -- | 76 | -- | 9.3 | 0.76 | 4.8 | 6.9 | -- | -- | |
| 9/15/1992 | 34.97 | -- | -- | -- | -- | 1300 | -- | 91 | 5.7 | 80 | 110 | -- | -- | |
| 12/21/1992 | 34.97 | 20.85 | 0.00 | 14.12 | -- | 960 | -- | 97 | 3.2 | 74 | 96 | -- | -- | |
| 4/28/1993 | 34.97 | -- | -- | -- | -- | 1300 | -- | 76 | 1.9 | 130 | 87 | -- | -- | |
| 7/23/1993 | 34.97 | 19.81 | 0.00 | 15.16 | -- | 66 | -- | 1.8 | ND | 2.5 | 2.0 | -- | -- | |
| 10/5/1993 | 34.72 | 19.95 | 0.00 | 14.77 | -0.39 | 120 | -- | 12 | ND | 2.1 | 12 | -- | -- | |
| 1/3/1994 | 34.72 | 20.21 | 0.00 | 14.51 | -0.26 | 260 | -- | 25 | ND | 5.5 | 26 | -- | -- | |
| 4/2/1994 | 34.72 | 19.88 | 0.00 | 14.84 | 0.33 | ND | -- | 0.65 | ND | ND | 0.99 | -- | -- | |
| 7/5/1994 | 34.72 | 19.07 | 0.00 | 15.65 | 0.81 | 160 | -- | 16 | ND | 0.73 | 10 | -- | -- | |
| 10/6/1994 | 34.72 | 20.55 | 0.00 | 14.17 | -1.48 | 170 | -- | 15 | ND | 1.4 | 11 | -- | -- | |
| 1/2/1995 | 34.72 | 19.25 | 0.00 | 15.47 | 1.30 | 190 | -- | 27 | ND | 0.95 | 11 | -- | -- | |
| 4/3/1995 | 34.72 | 17.49 | 0.00 | 17.23 | 1.76 | 2400 | -- | 65 | 6.6 | 19 | 63 | -- | -- | |
| 7/14/1995 | 34.72 | 18.30 | 0.00 | 16.42 | -0.81 | 750 | -- | 270 | ND | ND | 13 | -- | -- | |
| 10/10/1995 | 34.72 | 19.25 | 0.00 | 15.47 | -0.95 | 50 | -- | 1.6 | ND | ND | ND | 200 | -- | |
| 1/3/1996 | 34.72 | 19.40 | 0.00 | 15.32 | -0.15 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 4/10/1996 | 34.72 | 17.35 | 0.00 | 17.37 | 2.05 | 300 | -- | 42 | ND | 2.4 | 9 | 620 | -- | |
| 7/9/1996 | 34.72 | 18.22 | 0.00 | 16.50 | -0.87 | 760 | -- | 230 | ND | 1.3 | 2.4 | 1500 | -- | |
| 1/24/1997 | 34.72 | 17.59 | 0.00 | 17.13 | 0.63 | 2900 | -- | 400 | 350 | 190 | 720 | 1300 | -- | |
| 7/23/1997 | 34.72 | 19.13 | 0.00 | 15.59 | -1.54 | ND | -- | ND | ND | ND | ND | 65 | -- | |
| 1/26/1998 | 34.72 | 17.12 | 0.00 | 17.60 | 2.01 | ND | -- | ND | ND | ND | 0.58 | 13 | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**June 1991 Through September 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (8015M) (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-2 continued** | | | | | | | | | | | | | | |
| 7/3/1998 | 34.72 | 18.20 | 0.00 | 16.52 | -1.08 | 140 | -- | 26 | ND | 0.95 | 5.0 | 330 | -- | |
| 1/14/1999 | 34.72 | 18.56 | 0.00 | 16.16 | -0.36 | ND | -- | 0.54 | ND | ND | ND | 350 | -- | |
| 7/15/1999 | 34.72 | 17.39 | 0.00 | 17.33 | 1.17 | ND | -- | 0.88 | ND | ND | ND | 39 | -- | |
| 1/7/2000 | 34.72 | 18.78 | 0.00 | 15.94 | -1.39 | ND | -- | ND | ND | ND | ND | 24 | -- | |
| 7/19/2000 | 34.72 | 19.68 | 0.00 | 15.04 | -0.90 | ND | -- | 1.45 | ND | ND | ND | 117 | -- | |
| 1/2/2001 | 34.72 | 19.73 | 0.00 | 14.99 | -0.05 | ND | -- | ND | ND | ND | ND | 11.4 | -- | |
| 5/23/2001 | 34.72 | 18.16 | 0.00 | 16.56 | 1.57 | ND | -- | ND | ND | ND | ND | 33 | -- | |
| 7/30/2001 | 34.72 | 18.34 | 0.00 | 16.38 | -0.18 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 67 | -- | |
| 10/15/2001 | 34.72 | 18.52 | 0.00 | 16.20 | -0.18 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 31 | -- | |
| 1/14/2002 | 34.72 | 16.72 | 0.00 | 18.00 | 1.80 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | 0.56 | 11 | -- | |
| 4/15/2002 | 34.72 | 17.26 | 0.00 | 17.46 | -0.54 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 110 | -- | |
| 7/15/2002 | 34.72 | 17.46 | 0.00 | 17.26 | -0.20 | 270 | -- | 21 | ND<0.50 | 3.8 | 4.0 | -- | 73 | |
| 1/18/2003 | 34.72 | 16.93 | 0.00 | 17.79 | 0.53 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 22 | |
| 7/11/2003 | 34.72 | 17.68 | 0.00 | 17.04 | -0.75 | 130 | -- | 3.0 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 89 | |
| 2/4/2004 | 34.72 | 17.36 | 0.00 | 17.36 | 0.32 | -- | 61 | 2.9 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 22 | |
| 8/11/2004 | 34.72 | 17.61 | 0.00 | 17.11 | -0.25 | -- | 140 | ND<0.50 | 0.60 | ND<0.50 | ND<1.0 | -- | 94 | |
| 3/31/2005 | 34.72 | 15.56 | 0.00 | 19.16 | 2.05 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 14 | |
| 9/30/2005 | 34.72 | 17.31 | 0.00 | 17.41 | -1.75 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 9.1 | |
| 3/27/2006 | 34.72 | 14.91 | 0.00 | 19.81 | 2.40 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 2.7 | |
| 9/27/2006 | 34.72 | 18.15 | 0.00 | 16.57 | -3.24 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | 7.7 | |
| 3/27/2007 | 34.72 | 18.57 | 0.00 | 16.15 | -0.42 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | 1.4 | |
| 9/28/2007 | 34.72 | 18.38 | 0.00 | 16.34 | 0.19 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | ND<0.50 | |
| **MW-3** | **(Screen Interval in feet: 15-33)** | | | | | | | | | | | | | |
| 6/5/1991 | 33.39 | -- | -- | -- | -- | 5800 | -- | 1200 | 40 | 140 | 97 | -- | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**June 1991 Through September 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (8015M) (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-3 continued** | | | | | | | | | | | | | | |
| 9/30/1991 | 33.39 | -- | -- | -- | -- | 6800 | -- | 1400 | 130 | 290 | 240 | -- | -- | |
| 12/30/1991 | 33.39 | -- | -- | -- | -- | 7200 | -- | 2100 | 690 | 410 | 550 | -- | -- | |
| 4/2/1992 | 33.39 | -- | -- | -- | -- | 8000 | -- | 1400 | 200 | 300 | 310 | -- | -- | |
| 6/30/1992 | 33.39 | -- | -- | -- | -- | 8900 | -- | 1900 | 210 | 430 | 550 | -- | -- | |
| 9/15/1992 | 33.39 | -- | -- | -- | -- | 10000 | -- | 1900 | 330 | 400 | 580 | -- | -- | |
| 12/21/1992 | 33.39 | 20.02 | 0.00 | 13.37 | -- | 8500 | -- | 1500 | 150 | 310 | 330 | -- | -- | |
| 4/28/1993 | 33.39 | -- | -- | -- | -- | 2600 | -- | 220 | 7.6 | 41 | 27 | -- | -- | |
| 7/23/1993 | 33.39 | 19.00 | 0.00 | 14.39 | -- | 4400 | -- | 660 | 26 | 160 | 82 | -- | -- | |
| 10/5/1993 | 33.14 | 19.20 | 0.00 | 13.94 | -0.45 | 9200 | -- | 720 | 88 | 140 | 140 | -- | -- | |
| 1/3/1994 | 33.14 | 19.40 | 0.00 | 13.74 | -0.20 | 4900 | -- | 830 | 100 | 170 | 150 | -- | -- | |
| 4/2/1994 | 33.14 | 19.01 | 0.00 | 14.13 | 0.39 | 6000 | -- | 800 | 30 | 140 | 110 | -- | -- | |
| 7/5/1994 | 33.14 | 18.14 | 0.00 | 15.00 | 0.87 | 25000 | -- | ND | ND | ND | ND | -- | -- | |
| 10/6/1994 | 33.14 | 19.73 | 0.00 | 13.41 | -1.59 | 49000 | -- | 1300 | 200 | 280 | 300 | -- | -- | |
| 1/2/1995 | 33.14 | 18.36 | 0.00 | 14.78 | 1.37 | 480 | -- | 1.6 | ND | 1.4 | ND | -- | -- | |
| 4/3/1995 | 33.14 | 16.38 | 0.00 | 16.76 | 1.98 | 8100 | -- | 65 | ND | ND | ND | -- | -- | |
| 7/14/1995 | 33.14 | 17.49 | 0.00 | 15.65 | -1.11 | ND | -- | 1300 | ND | ND | ND | -- | -- | |
| 10/10/1995 | 33.14 | 18.50 | 0.00 | 14.64 | -1.01 | 3100 | -- | 1400 | 36 | 50 | 53 | 190000 | -- | |
| 1/3/1996 | 33.14 | 18.54 | 0.00 | 14.60 | -0.04 | ND | -- | 2300 | 110 | 150 | 140 | -- | -- | |
| 7/9/1996 | 33.14 | 17.43 | 0.00 | 15.71 | 1.11 | ND | -- | 2000 | ND | 150 | 160 | 140000 | -- | |
| 1/24/1997 | 33.14 | 16.57 | 0.00 | 16.57 | 0.86 | 540 | -- | 8.0 | ND | 11 | 9.9 | 45 | -- | |
| 7/23/1997 | 33.14 | 18.38 | 0.00 | 14.76 | -1.81 | 7400 | -- | 1900 | 180 | 140 | 340 | 45000 | -- | |
| 1/26/1998 | 33.14 | 16.22 | 0.00 | 16.92 | 2.16 | 250 | -- | 2.2 | 1.9 | 0.87 | 1.9 | 4.0 | -- | |
| 7/3/1998 | 33.14 | 17.46 | -- | 15.68 | -1.24 | 230 | -- | 1.8 | 2.5 | 1.5 | 3.4 | 6.3 | -- | |
| 1/14/1999 | 33.14 | 17.73 | -- | 15.41 | -0.27 | 400 | -- | 8.2 | 2.7 | 0.90 | 5.9 | 140 | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**June 1991 Through September 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (8015M) (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-3 continued** | | | | | | | | | | | | | | |
| 7/15/1999 | 33.14 | 16.58 | -- | 16.56 | 1.15 | 290 | -- | 3.3 | 3.6 | 1.7 | 2.5 | 13 | -- | |
| 1/7/2000 | 33.14 | 17.84 | -- | 15.30 | -1.26 | ND | -- | 890 | 91 | 100 | 480 | 20000 | -- | |
| 7/19/2000 | 33.14 | 18.92 | -- | 14.22 | -1.08 | 354 | -- | 3.87 | 2.61 | 0.646 | ND | 13.7 | -- | |
| 1/2/2001 | 33.14 | 19.07 | -- | 14.07 | -0.15 | 464 | -- | ND | 3.69 | 3.91 | ND | 21.1 | -- | |
| 5/23/2001 | 33.14 | 17.12 | -- | 16.02 | 1.95 | 420 | -- | 7.6 | 3.1 | 3.0 | 5.1 | 1900 | -- | |
| 7/30/2001 | 33.14 | 17.38 | -- | 15.76 | -0.26 | 290 | -- | 4.6 | 4.1 | ND<0.50 | 3.4 | 23 | -- | |
| 10/15/2001 | 33.14 | 17.61 | -- | 15.53 | -0.23 | 400 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 13 | -- | |
| 1/14/2002 | 33.14 | 15.53 | -- | 17.61 | 2.08 | 130 | -- | 0.50 | 0.61 | 1.1 | ND<0.50 | 9.9 | -- | |
| 4/15/2002 | 33.14 | 16.12 | -- | 17.02 | -0.59 | 280 | -- | 9.9 | 1.6 | 3.3 | 6.8 | 1400 | -- | |
| 7/15/2002 | 33.14 | 16.48 | -- | 16.66 | -0.36 | 64 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | 33 | -- | |
| 1/18/2003 | 33.14 | 15.81 | -- | 17.33 | 0.67 | 420 | -- | 0.54 | ND<0.50 | ND<0.50 | ND<1.0 | 130 | -- | |
| 7/11/2003 | 33.14 | 16.74 | -- | 16.40 | -0.93 | -- | 300 | 2.3 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 31 | |
| 2/4/2004 | 33.14 | 16.15 | 0.00 | 16.99 | 0.59 | -- | 130 | 7.9 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 63 | |
| 8/11/2004 | 33.14 | 16.64 | 0.00 | 16.50 | -0.49 | -- | ND<20000 | ND<200 | ND<200 | ND<200 | ND<400 | -- | 20000 | |
| 3/31/2005 | 33.14 | 14.53 | 0.00 | 18.61 | 2.11 | -- | ND<20000 | 330 | ND<200 | ND<200 | ND<400 | -- | 78000 | |
| 9/30/2005 | 33.14 | 16.55 | 0.00 | 16.59 | -2.02 | -- | 12000 | 360 | 40 | ND<25 | 50 | -- | 20000 | |
| 3/27/2006 | 33.14 | 13.66 | 0.00 | 19.48 | 2.89 | -- | 10000 | 150 | ND<25 | 53 | 99 | -- | 15000 | |
| 9/27/2006 | 33.14 | 17.40 | 0.00 | 15.74 | -3.74 | -- | ND<12000 | ND<120 | ND<120 | ND<120 | ND<120 | -- | 12000 | |
| 3/27/2007 | 33.14 | 17.55 | 0.00 | 15.59 | -0.15 | -- | 8700 | 180 | ND<12 | 60 | 57 | -- | 8900 | |
| 9/28/2007 | 33.14 | 18.59 | 0.00 | 14.55 | -1.04 | -- | 9000 | 55 | ND<50 | ND<50 | ND<50 | -- | 11000 | |
| **MW-4** | **(Screen Interval in feet: 15-33)** | | | | | | | | | | | | | |
| 10/19/1992 | -- | -- | -- | -- | -- | 480 | -- | 0.51 | 2.1 | 2.8 | 6.8 | -- | -- | |
| 12/21/1992 | 33.12 | 19.73 | -- | 13.39 | -- | 220 | -- | ND | ND | 0.97 | 0.74 | -- | -- | |
| 4/28/1993 | 33.12 | -- | -- | -- | -- | ND | -- | ND | ND | ND | ND | -- | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**June 1991 Through September 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (8015M) (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-4 continued** | | | | | | | | | | | | | | |
| 7/23/1993 | 33.12 | 18.72 | -- | 14.40 | -- | 85 | -- | ND | ND | ND | ND | -- | -- | |
| 10/5/1993 | 32.71 | 18.74 | -- | 13.97 | -0.43 | 130 | -- | ND | ND | ND | ND | -- | -- | |
| 1/3/1994 | 32.71 | 18.93 | -- | 13.78 | -0.19 | 210 | -- | ND | ND | 0.76 | 1.6 | -- | -- | |
| 4/2/1994 | 32.71 | 18.53 | -- | 14.18 | 0.40 | 89 | -- | ND | ND | ND | ND | -- | -- | |
| 7/5/1994 | 32.71 | 17.67 | -- | 15.04 | 0.86 | 190 | -- | ND | ND | ND | ND | -- | -- | |
| 10/6/1994 | 32.71 | 19.25 | -- | 13.46 | -1.58 | 170 | -- | 0.85 | ND | ND | 0.74 | -- | -- | |
| 1/2/1995 | 32.71 | 17.75 | -- | 14.96 | 1.50 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 4/3/1995 | 32.71 | 15.87 | -- | 16.84 | 1.88 | 98 | -- | ND | ND | ND | ND | -- | -- | |
| 7/14/1995 | 32.71 | 17.01 | -- | 15.70 | -1.14 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 10/10/1995 | 32.71 | 18.03 | -- | 14.68 | -1.02 | ND | -- | ND | ND | ND | ND | 120 | -- | |
| 1/3/1996 | 32.71 | 18.05 | -- | 14.66 | -0.02 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 4/10/1996 | 32.71 | 16.00 | -- | 16.71 | 2.05 | ND | -- | ND | ND | ND | ND | 240 | -- | |
| 7/9/1996 | 32.71 | 16.96 | -- | 15.75 | -0.96 | ND | -- | ND | ND | ND | ND | 480 | -- | |
| 1/24/1997 | 32.71 | 16.04 | 0.00 | 16.67 | 0.92 | ND | -- | ND | ND | ND | ND | 270 | -- | |
| 7/23/1997 | 32.71 | 17.87 | 0.00 | 14.84 | -1.83 | ND | -- | ND | ND | ND | ND | 460 | -- | |
| 1/26/1998 | 32.71 | 16.05 | -- | 16.66 | 1.82 | ND | -- | ND | ND | ND | ND | 17 | -- | |
| 7/3/1998 | 32.71 | 16.95 | -- | 15.76 | -0.90 | ND | -- | ND | ND | ND | ND | 3.8 | -- | |
| 1/14/1999 | 32.71 | 17.34 | -- | 15.37 | -0.39 | ND | -- | ND | ND | ND | ND | 4600 | -- | |
| 7/15/1999 | 32.71 | 16.36 | -- | 16.35 | 0.98 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 1/7/2000 | 32.71 | 17.81 | -- | 14.90 | -1.45 | ND | -- | ND | ND | ND | ND | 450 | -- | |
| 7/19/2000 | 32.71 | 18.94 | -- | 13.77 | -1.13 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 1/2/2001 | 32.71 | 18.85 | -- | 13.86 | 0.09 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 5/23/2001 | 32.71 | 16.82 | -- | 15.89 | 2.03 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 7/30/2001 | 32.71 | 16.88 | -- | 15.83 | -0.06 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 4.9 | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**June 1991 Through September 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (8015M) (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-4 continued** | | | | | | | | | | | | | | |
| 10/15/2001 | 32.71 | 17.08 | -- | 15.63 | -0.20 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<5.0 | -- | |
| 1/14/2002 | 32.71 | 14.97 | -- | 17.74 | 2.11 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 30 | -- | |
| 4/15/2002 | 32.71 | 15.48 | -- | 17.23 | -0.51 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 180 | -- | |
| 7/15/2002 | 32.71 | 15.90 | -- | 16.81 | -0.42 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | 50 | -- | |
| 1/18/2003 | 32.71 | 15.39 | -- | 17.32 | 0.51 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | -- | |
| 7/11/2003 | 32.71 | 16.17 | -- | 16.54 | -0.78 | -- | 200 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 52 | |
| 2/4/2004 | 32.71 | 16.12 | 0.00 | 16.59 | 0.05 | -- | 1300 | ND<10 | ND<10 | ND<10 | ND<20 | -- | 1700 | |
| 8/11/2004 | 32.71 | 16.16 | 0.00 | 16.55 | -0.04 | -- | ND<5000 | ND<50 | ND<50 | ND<50 | ND<100 | -- | 6400 | |
| 3/31/2005 | 32.71 | 14.15 | 0.00 | 18.56 | 2.01 | -- | ND<1300 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 1600 | |
| 9/30/2005 | 32.71 | 16.91 | 0.00 | 15.80 | -2.76 | -- | 900 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 3800 | |
| 3/27/2006 | 32.71 | 13.94 | 0.00 | 18.77 | 2.97 | -- | 870 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 2000 | |
| 9/27/2006 | 32.71 | 16.91 | 0.00 | 15.80 | -2.97 | -- | ND<1000 | ND<10 | ND<10 | ND<10 | ND<10 | -- | 1600 | |
| 3/27/2007 | 32.71 | 17.15 | 0.00 | 15.56 | -0.24 | -- | 1500 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | -- | 1700 | |
| 9/28/2007 | 32.71 | 18.13 | 0.00 | 14.58 | -0.98 | -- | 590 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | 1400 | |
| **MW-5** | **(Screen Interval in feet: 15-32)** | | | | | | | | | | | | | |
| 10/19/1992 | -- | -- | -- | -- | -- | 2700 | -- | 61 | 5.0 | 100 | 61 | -- | -- | |
| 12/21/1992 | 33.25 | 19.75 | -- | 13.50 | -- | 1700 | -- | 51 | 4.7 | 83 | 34 | -- | -- | |
| 4/28/1993 | 33.25 | -- | -- | -- | -- | 6700 | -- | 200 | 190 | 250 | 430 | -- | -- | |
| 7/23/1993 | 33.25 | 18.74 | -- | 14.51 | -- | 2000 | -- | 122 | 8.0 | 68 | 47 | -- | -- | |
| 10/5/1993 | 32.95 | 18.83 | -- | 14.12 | -0.39 | 1700 | -- | 70 | 6.2 | 54 | 40 | -- | -- | |
| 1/3/1994 | 32.95 | 19.05 | -- | 13.90 | -0.22 | 1500 | -- | 44 | ND | 42 | 46 | -- | -- | |
| 4/2/1994 | 32.95 | 18.68 | -- | 14.27 | 0.37 | 1800 | -- | 46 | 5.1 | 38 | 35 | -- | -- | |
| 7/5/1994 | 32.95 | 17.90 | -- | 15.05 | 0.78 | 2200 | -- | 97 | 8.4 | 37 | 36 | -- | -- | |
| 10/6/1994 | 32.95 | 19.37 | -- | 13.58 | -1.47 | 1600 | -- | 79 | 5.7 | 28 | 22 | -- | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**June 1991 Through September 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (8015M) (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-5 continued** | | | | | | | | | | | | | | |
| 1/2/1995 | 32.95 | 17.92 | -- | 15.03 | 1.45 | 1700 | -- | 50 | 8.6 | 30 | 28 | -- | -- | |
| 4/3/1995 | 32.95 | 16.15 | -- | 16.80 | 1.77 | 5400 | -- | 190 | 240 | 170 | 420 | -- | -- | |
| 7/14/1995 | 32.95 | 17.18 | -- | 15.77 | -1.03 | 3800 | -- | 210 | 100 | 130 | 190 | -- | -- | |
| 10/10/1995 | 32.95 | 18.15 | -- | 14.80 | -0.97 | 1300 | -- | 92 | 14 | 15 | 39 | 1100 | -- | |
| 1/3/1996 | 32.95 | 18.20 | -- | 14.75 | -0.05 | 630 | -- | 53 | 4.4 | 8.3 | 13 | -- | -- | |
| 4/10/1996 | 32.95 | 16.05 | -- | 16.90 | 2.15 | 500 | -- | 25 | 18 | 7.0 | 20 | 640 | -- | |
| 7/9/1996 | 32.95 | 17.11 | -- | 15.84 | -1.06 | 1000 | -- | 44 | 20 | 10 | 34 | 150 | -- | |
| 1/24/1997 | 32.95 | 16.36 | 0.00 | 16.59 | 0.75 | 4000 | -- | 190 | 400 | 160 | 430 | 600 | -- | |
| 7/23/1997 | 32.95 | 18.08 | 0.00 | 14.87 | -1.72 | 1700 | -- | 200 | 23 | 18 | 45 | 2500 | -- | |
| 1/26/1998 | 32.95 | 16.27 | -- | 16.68 | 1.81 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 7/3/1998 | 32.95 | 17.27 | -- | 15.68 | -1.00 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 1/14/1999 | 32.95 | 17.55 | -- | 15.40 | -0.28 | 330 | -- | 61 | 4.1 | 2.2 | 2.9 | 560 | -- | |
| 7/15/1999 | 32.95 | 16.41 | -- | 16.54 | 1.14 | 1100 | -- | 170 | ND | ND | 27 | 660 | -- | |
| 1/7/2000 | 32.95 | 17.85 | -- | 15.10 | -1.44 | 1000 | -- | 180 | 6.3 | ND | 14 | 430 | -- | |
| 7/19/2000 | 32.95 | 18.87 | -- | 14.08 | -1.02 | 2980 | -- | 289 | 57.3 | 65.3 | 43.4 | 976 | -- | |
| 1/2/2001 | 32.95 | 18.47 | -- | 14.48 | 0.40 | 1150 | -- | 87.2 | 17.8 | 7.97 | 9.32 | 368 | -- | |
| 5/23/2001 | 32.95 | 17.38 | -- | 15.57 | 1.09 | 840 | -- | 42 | 10 | 13 | 7.1 | 130 | -- | |
| 7/30/2001 | 32.95 | 17.12 | -- | 15.83 | 0.26 | 1900 | -- | 82 | 24 | 6.9 | 13 | 370 | -- | |
| 10/15/2001 | 32.95 | 17.33 | -- | 15.62 | -0.21 | 26000 | -- | 390 | 230 | 58 | 1300 | ND<500 | -- | |
| 1/14/2002 | 32.95 | 15.33 | -- | 17.62 | 2.00 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 4/15/2002 | 32.95 | 15.89 | -- | 17.06 | -0.56 | 310 | -- | 20 | 6.7 | 11 | 7.7 | 77 | -- | |
| 7/15/2002 | 32.95 | 16.21 | -- | 16.74 | -0.32 | 1500 | -- | 40 | 22 | 60 | 28 | 170 | -- | |
| 1/18/2003 | 32.95 | 15.68 | -- | 17.27 | 0.53 | ND<50 | -- | 0.75 | ND<0.50 | ND<0.50 | ND<1.0 | 81 | -- | |
| 7/11/2003 | 32.95 | 16.29 | -- | 16.66 | -0.61 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 3.6 | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**June 1991 Through September 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (8015M) (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-5 continued** | | | | | | | | | | | | | | |
| 2/4/2004 | 32.95 | 16.08 | 0.00 | 16.87 | 0.21 | -- | 82 | 16 | 1.6 | 0.65 | ND<1.0 | -- | 16 | |
| 8/11/2004 | 32.95 | 16.38 | 0.00 | 16.57 | -0.30 | -- | 900 | 81 | 14 | 2.8 | 11 | -- | 120 | |
| 3/31/2005 | 32.95 | 14.30 | 0.00 | 18.65 | 2.08 | -- | 5000 | 160 | 84 | 65 | 72 | -- | 140 | |
| 9/30/2005 | 32.95 | 16.19 | 0.00 | 16.76 | -1.89 | -- | 1200 | 26 | 5.8 | 2.4 | 9.2 | -- | 38 | |
| 3/27/2006 | 32.95 | 13.90 | 0.00 | 19.05 | 2.29 | -- | 1100 | 13 | 12 | 4.7 | 16 | -- | 8.8 | |
| 9/27/2006 | 32.95 | 17.06 | 0.00 | 15.89 | -3.16 | -- | 1300 | 20 | 11 | 2.3 | 15 | -- | 21 | |
| 3/27/2007 | 32.95 | 17.43 | 0.00 | 15.52 | -0.37 | -- | 960 | 15 | 7.8 | 2.2 | 11 | -- | 14 | |
| 9/28/2007 | 32.95 | 18.25 | 0.00 | 14.70 | -0.82 | -- | 1300 | 13 | 6.0 | 2.3 | 15 | -- | 8.4 | |
| **MW-6** | **(Screen Interval in feet: 15-32)** | | | | | | | | | | | | | |
| 10/19/1992 | -- | -- | -- | -- | -- | 3900 | -- | 420 | 12 | 60 | 28 | -- | -- | |
| 12/21/1992 | 32.42 | 19.17 | -- | 13.25 | -- | 2300 | -- | 370 | 11 | 39 | 15 | -- | -- | |
| 4/28/1993 | 32.42 | -- | -- | -- | -- | 1200 | -- | 54 | 1.5 | 11 | 5.3 | -- | -- | |
| 7/23/1993 | 32.42 | 18.17 | -- | 14.25 | -- | 580 | -- | 19 | 0.99 | 3.4 | 2.7 | -- | -- | |
| 10/5/1993 | 32.16 | 18.35 | -- | 13.81 | -0.44 | 1400 | -- | 34 | ND | 5.3 | 7.3 | -- | -- | |
| 1/3/1994 | 32.16 | 18.54 | -- | 13.62 | -0.19 | 1400 | -- | 57 | ND | 8.5 | 11 | -- | -- | |
| 4/2/1994 | 32.16 | 18.15 | -- | 14.01 | 0.39 | 5300 | -- | ND | ND | ND | ND | -- | -- | |
| 7/5/1994 | 32.16 | 17.25 | -- | 14.91 | 0.90 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 10/6/1994 | 32.16 | 18.85 | -- | 13.31 | -1.60 | 11000 | -- | ND | ND | ND | ND | -- | -- | |
| 1/2/1995 | 32.16 | 17.51 | -- | 14.65 | 1.34 | 550 | -- | 18 | 0.92 | 2.0 | 1.8 | -- | -- | |
| 4/3/1995 | 32.16 | 15.48 | -- | 16.68 | 2.03 | 6600 | -- | ND | ND | ND | ND | -- | -- | |
| 7/14/1995 | 32.16 | 16.63 | -- | 15.53 | -1.15 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 10/10/1995 | 32.16 | 17.68 | -- | 14.48 | -1.05 | ND | -- | 81 | ND | ND | ND | 75000 | -- | |
| 1/3/1996 | 32.16 | 17.66 | -- | 14.50 | 0.02 | 70 | -- | 9.9 | 0.58 | ND | 0.81 | -- | -- | |
| 4/10/1996 | 32.16 | 15.56 | -- | 16.60 | 2.10 | 300 | -- | 258 | 4.7 | 0.94 | 2.7 | 53000 | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**June 1991 Through September 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (8015M) (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-6 continued** | | | | | | | | | | | | | | |
| 7/9/1996 | 32.16 | 16.59 | -- | 15.57 | -1.03 | 1800 | -- | 410 | ND | 12 | ND | 76000 | -- | |
| 1/24/1997 | 32.16 | 15.69 | 0.00 | 16.47 | 0.90 | ND | -- | 0.80 | ND | ND | ND | 390 | -- | |
| 7/23/1997 | 32.16 | 17.53 | 0.00 | 14.63 | -1.84 | 5700 | -- | 1100 | 240 | 240 | 700 | 16000 | -- | |
| 1/26/1998 | 32.16 | 15.44 | -- | 16.72 | 2.09 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 7/3/1998 | 32.16 | 16.58 | -- | 15.58 | -1.14 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 1/14/1999 | 32.16 | 17.02 | -- | 15.14 | -0.44 | ND | -- | ND | ND | ND | ND | 14 | -- | |
| 7/15/1999 | 32.16 | 15.95 | -- | 16.21 | 1.07 | ND | -- | ND | ND | ND | ND | 2.8 | -- | |
| 1/7/2000 | 32.16 | 16.96 | -- | 15.20 | -1.01 | 78 | -- | 24 | ND | 0.66 | 17 | 280 | -- | |
| 7/19/2000 | 32.16 | 18.04 | -- | 14.12 | -1.08 | ND | -- | ND | 1.32 | ND | 0.974 | ND | -- | |
| 1/2/2001 | 32.16 | 18.10 | -- | 14.06 | -0.06 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 5/23/2001 | 32.16 | 16.42 | -- | 15.74 | 1.68 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 7/30/2001 | 32.16 | 16.49 | -- | 15.67 | -0.07 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 10/15/2001 | 32.16 | 16.67 | -- | 15.49 | -0.18 | ND<50 | -- | ND<0.50 | 0.62 | ND<0.50 | ND<0.50 | ND<5.0 | -- | |
| 1/14/2002 | 32.16 | 14.60 | -- | 17.56 | 2.07 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 4/15/2002 | 32.16 | 15.07 | -- | 17.09 | -0.47 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | 0.73 | ND<5.0 | -- | |
| 7/15/2002 | 32.16 | 15.56 | -- | 16.60 | -0.49 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<0.50 | -- | |
| 1/18/2003 | 32.16 | 15.80 | -- | 16.36 | -0.24 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | -- | |
| 7/11/2003 | 32.16 | 15.74 | -- | 16.42 | 0.06 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<2.0 | |
| 2/4/2004 | 32.16 | 15.49 | 0.00 | 16.67 | 0.25 | -- | ND<50 | 2.6 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 2.4 | |
| 8/11/2004 | 32.16 | 15.81 | 0.00 | 16.35 | -0.32 | -- | 7900 | 95 | ND<50 | ND<50 | ND<100 | -- | 9100 | |
| 3/31/2005 | 32.16 | 13.70 | 0.00 | 18.46 | 2.11 | -- | ND<5000 | 2.5 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 7600 | |
| 9/30/2005 | 32.16 | 15.48 | 0.00 | 16.68 | -1.78 | -- | 4300 | 140 | 37 | 28 | 41 | -- | 5800 | |
| 3/27/2006 | 32.16 | 13.02 | 0.00 | 19.14 | 2.46 | -- | 7200 | 34 | 0.66 | 0.96 | 18 | -- | 9900 | |
| 9/27/2006 | 32.16 | 16.56 | 0.00 | 15.60 | -3.54 | -- | 1800 | ND<12 | ND<12 | ND<12 | ND<12 | -- | 3300 | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**June 1991 Through September 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (8015M) (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-6 continued** | | | | | | | | | | | | | | |
| 3/27/2007 | 32.16 | 16.73 | 0.00 | 15.43 | -0.17 | -- | 1600 | 2.8 | ND<2.5 | ND<2.5 | ND<2.5 | -- | 1800 | |
| 9/28/2007 | 32.16 | 17.75 | 0.00 | 14.41 | -1.02 | -- | 830 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | -- | 1600 | |
| **MW-7** | **(Screen Interval in feet: 13-33)** | | | | | | | | | | | | | |
| 10/19/1992 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 4/28/1993 | 32.49 | -- | -- | -- | -- | 110 | -- | 2.8 | 1.3 | 1.4 | 1.7 | -- | -- | |
| 7/23/1993 | 32.49 | 18.60 | -- | 13.89 | -- | 790 | -- | 23 | 3.3 | 28 | 5.4 | -- | -- | |
| 10/5/1993 | 32.20 | 18.76 | -- | 13.44 | -0.45 | 360 | -- | 10 | 1.2 | 0.91 | 0.99 | -- | -- | |
| 1/3/1994 | 32.20 | 18.91 | -- | 13.29 | -0.15 | ND | -- | 0.93 | ND | 0.75 | 1.9 | -- | -- | |
| 4/2/1994 | 32.20 | 18.50 | -- | 13.70 | 0.41 | 360 | -- | 2.0 | ND | ND | 0.8 | -- | -- | |
| 7/5/1994 | 32.20 | 17.52 | -- | 14.68 | 0.98 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 10/6/1994 | 32.20 | 19.25 | -- | 12.95 | -1.73 | 340 | -- | 5.6 | 0.85 | ND | 1.2 | -- | -- | |
| 1/2/1995 | 32.20 | 17.67 | -- | 14.53 | 1.58 | ND | -- | ND | ND | ND | ND | -- | -- | |
| 4/3/1995 | 32.20 | 15.81 | -- | 16.39 | 1.86 | 570 | -- | 24 | ND | 3.4 | 5.8 | -- | -- | |
| 7/14/1995 | 32.20 | 17.05 | -- | 15.15 | -1.24 | ND | -- | 14 | ND | ND | ND | -- | -- | |
| 10/10/1995 | 32.20 | 18.08 | -- | 14.12 | -1.03 | 740 | -- | 170 | ND | ND | ND | 13000 | -- | |
| 1/3/1996 | 32.20 | 18.02 | -- | 14.18 | 0.06 | 360 | -- | 16 | 1.3 | 2.7 | 1.4 | -- | -- | |
| 4/10/1996 | 32.20 | 15.81 | -- | 16.39 | 2.21 | 120 | -- | 4.1 | 1.5 | ND | 0.88 | 3200 | -- | |
| 7/9/1996 | 32.20 | 16.99 | -- | 15.21 | -1.18 | ND | -- | ND | ND | ND | ND | 3400 | -- | |
| 1/24/1997 | 32.20 | 16.08 | 0.00 | 16.12 | 0.91 | ND | -- | 16 | ND | ND | ND | 6600 | -- | |
| 7/23/1997 | 32.20 | 17.99 | 0.00 | 14.21 | -1.91 | ND | -- | 16 | ND | ND | 0.62 | 10000 | -- | |
| 1/26/1998 | 32.20 | 15.56 | -- | 16.64 | 2.43 | ND | -- | ND | ND | ND | 0.56 | ND | -- | |
| 7/3/1998 | 32.20 | 17.04 | -- | 15.16 | -1.48 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 1/14/1999 | 32.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | inaccessible-parked car |
| 7/15/1999 | 32.20 | 15.72 | -- | 16.48 | -- | ND | -- | ND | ND | ND | ND | 290 | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**June 1991 Through September 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (8015M) (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-7 continued** | | | | | | | | | | | | | | |
| 1/7/2000 | 32.20 | 16.80 | -- | 15.40 | -1.08 | ND | -- | 7.7 | ND | ND | 4.4 | 98 | -- | |
| 7/19/2000 | 32.20 | 17.88 | -- | 14.32 | -1.08 | ND | -- | ND | 1.27 | ND | 0.979 | ND | -- | |
| 1/2/2001 | 32.20 | 17.97 | -- | 14.23 | -0.09 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 5/23/2001 | 32.20 | 16.81 | -- | 15.39 | 1.16 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 7/30/2001 | 32.20 | 16.79 | -- | 15.41 | 0.02 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 10/15/2001 | 32.20 | 16.98 | -- | 15.22 | -0.19 | ND<50 | -- | ND<0.50 | 0.58 | ND<0.50 | ND<0.50 | ND<5.0 | -- | |
| 1/14/2002 | 32.20 | 14.85 | -- | 17.35 | 2.13 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 4/15/2002 | 32.20 | 15.29 | -- | 16.91 | -0.44 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | 0.70 | ND<5.0 | -- | |
| 7/15/2002 | 32.20 | 15.92 | -- | 16.28 | -0.63 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<0.50 | -- | |
| 1/18/2003 | 32.20 | 15.11 | -- | 17.09 | 0.81 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | -- | |
| 7/11/2003 | 32.20 | 15.89 | -- | 16.31 | -0.78 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 19 | |
| 2/4/2004 | 32.20 | 15.90 | 0.00 | 16.30 | -0.01 | -- | ND<50 | 3.6 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 3.2 | |
| 8/11/2004 | 32.20 | 16.12 | 0.00 | 16.08 | -0.22 | -- | ND<5000 | 120 | ND<50 | ND<50 | ND<100 | -- | 5100 | |
| 3/31/2005 | 32.20 | 13.99 | 0.00 | 18.21 | 2.13 | -- | ND<5000 | 190 | ND<50 | ND<50 | ND<100 | -- | 8400 | |
| 9/30/2005 | 32.20 | 15.93 | 0.00 | 16.27 | -1.94 | -- | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | ND<0.50 | |
| 3/27/2006 | 32.20 | 13.40 | 0.00 | 18.80 | 2.53 | -- | 2500 | 160 | 10 | 11 | 26 | -- | 5600 | |
| 9/27/2006 | 32.20 | 16.96 | 0.00 | 15.24 | -3.56 | -- | 2800 | 180 | ND<12 | 15 | 44 | -- | 4200 | |
| 3/27/2007 | 32.20 | 17.30 | 0.00 | 14.90 | -0.34 | -- | 920 | 66 | 2.9 | 3.4 | 4.5 | -- | 970 | |
| 9/28/2007 | 32.20 | 18.10 | 0.00 | 14.10 | -0.80 | -- | 4000 | 440 | 15 | 17 | 59 | -- | 3300 | |
| **MW-8** | **(Screen Interval in feet: 11-29)** | | | | | | | | | | | | | |
| 4/28/1993 | 32.33 | -- | -- | -- | -- | 450 | -- | 18 | 1.8 | 1.8 | 1.4 | -- | -- | |
| 7/23/1993 | 32.33 | 18.45 | -- | 13.88 | -- | 260 | -- | 5.1 | ND | 0.6 | ND | -- | -- | |
| 10/5/1993 | 32.00 | 18.57 | -- | 13.43 | -0.45 | 120 | -- | 1.7 | ND | ND | ND | -- | -- | |
| 1/3/1994 | 32.00 | 18.73 | -- | 13.27 | -0.16 | ND | -- | ND | ND | ND | ND | 51 | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**June 1991 Through September 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation (feet) | Depth to Water (feet) | LPH Thickness (feet) | Ground-water Elevation (feet) | Change in Elevation (feet) | TPH-G (8015M) (µg/l) | TPH-G (GC/MS) (µg/l) | Benzene (µg/l) | Toluene (µg/l) | Ethyl-benzene (µg/l) | Total Xylenes (µg/l) | MTBE (8021B) (µg/l) | MTBE (8260B) (µg/l) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-8 continued** | | | | | | | | | | | | | | |
| 4/2/1994 | 32.00 | 18.30 | -- | 13.70 | 0.43 | 150 | -- | 1.2 | ND | ND | ND | -- | -- | |
| 7/5/1994 | 32.00 | 17.41 | -- | 14.59 | 0.89 | 730 | -- | 17 | ND | 1.6 | ND | -- | -- | |
| 10/6/1994 | 32.00 | 18.98 | -- | 13.02 | -1.57 | 140 | -- | ND | ND | ND | ND | -- | -- | |
| 1/2/1995 | 32.00 | 17.58 | -- | 14.42 | 1.40 | 440 | -- | 18 | 0.72 | 2.0 | 1.8 | -- | -- | |
| 4/3/1995 | 32.00 | 15.54 | -- | 16.46 | 2.04 | 960 | -- | 11 | ND | ND | ND | -- | -- | |
| 7/14/1995 | 32.00 | 16.81 | -- | 15.19 | -1.27 | 280 | -- | 4.2 | 2.6 | 1.1 | 3.3 | -- | -- | |
| 10/10/1995 | 32.00 | 17.85 | -- | 14.15 | -1.04 | 110 | -- | 1.3 | 0.62 | 0.67 | ND | 170 | -- | |
| 1/3/1996 | 32.00 | 17.82 | -- | 14.18 | 0.03 | 63 | -- | ND | 0.51 | ND | 1.8 | -- | -- | |
| 4/10/1996 | 32.00 | 15.70 | -- | 16.30 | 2.12 | ND | -- | 1.1 | 0.61 | ND | ND | 60 | -- | |
| 7/9/1996 | 32.00 | 16.78 | -- | 15.22 | -1.08 | 72 | -- | 1.0 | ND | ND | ND | 140 | -- | |
| 1/24/1997 | 32.00 | 15.79 | 0.00 | 16.21 | 0.99 | ND | -- | ND | ND | ND | ND | 76 | -- | |
| 7/23/1997 | 32.00 | 17.69 | 0.00 | 14.31 | -1.90 | ND | -- | ND | ND | ND | ND | 270 | -- | |
| 1/26/1998 | 32.00 | 15.50 | -- | 16.50 | 2.19 | ND | -- | ND | ND | ND | 0.76 | 2.9 | -- | |
| 7/3/1998 | 32.00 | 16.80 | -- | 15.20 | -1.30 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 1/14/1999 | 32.00 | 17.13 | -- | 14.87 | -0.33 | ND | -- | ND | ND | ND | ND | 11 | -- | |
| 7/15/1999 | 32.00 | 15.85 | -- | 16.15 | 1.28 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 1/7/2000 | 32.00 | 16.94 | -- | 15.06 | -1.09 | ND | -- | ND | ND | ND | ND | 11 | -- | |
| 7/19/2000 | 32.00 | 18.06 | -- | 13.94 | -1.12 | ND | -- | ND | 2.99 | 0.521 | ND | ND | -- | |
| 1/2/2001 | 32.00 | 18.12 | -- | 13.88 | -0.06 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 5/23/2001 | 32.00 | 16.96 | -- | 15.04 | 1.16 | ND | -- | ND | ND | ND | ND | ND | -- | |
| 7/30/2001 | 32.00 | 16.52 | -- | 15.48 | 0.44 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 2.7 | -- | |
| 10/15/2001 | 32.00 | 16.72 | -- | 15.28 | -0.20 | ND<50 | -- | ND<0.50 | 0.65 | ND<0.50 | ND<0.50 | ND<5.0 | -- | |
| 1/14/2002 | 32.00 | 14.53 | -- | 17.47 | 2.19 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | -- | |
| 4/15/2002 | 32.00 | 14.96 | -- | 17.04 | -0.43 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<5.0 | -- | |

**Table 2**

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

**June 1991 Through September 2007**

**76 Station 0752**

| Date Sampled | TOC Elevation | Depth to Water | LPH Thickness | Ground-water Elevation | Change in Elevation | TPH-G (8015M) | TPH-G (GC/MS) | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE (8021B) | MTBE (8260B) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (feet) | (feet) | (feet) | (feet) | (feet) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | |
| **MW-8 continued** | | | | | | | | | | | | | | |
| 7/15/2002 | 32.00 | 15.60 | -- | 16.40 | -0.64 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | 11 | -- | |
| 1/18/2003 | 32.00 | 14.78 | -- | 17.22 | 0.82 | ND<50 | -- | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | -- | |
| 2/4/2004 | 32.00 | 15.65 | 0.00 | 16.35 | -0.87 | -- | 52 | 2.3 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 2.4 | |
| 8/11/2004 | 32.00 | 15.86 | 0.00 | 16.14 | -0.21 | -- | 350 | ND<2.5 | ND<2.5 | ND<2.5 | ND<5.0 | -- | 310 | |
| 3/31/2005 | 32.00 | 13.73 | 0.00 | 18.27 | 2.13 | -- | ND<2000 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 2100 | |
| 9/30/2005 | 32.00 | 15.94 | 0.00 | 16.06 | -2.21 | -- | 1200 | ND<0.50 | 0.50 | ND<0.50 | ND<1.0 | -- | 6900 | |
| 3/27/2006 | 32.00 | 13.13 | 0.00 | 18.87 | 2.81 | -- | 460 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | -- | 820 | |
| 9/27/2006 | 32.00 | 16.75 | 0.00 | 15.25 | -3.62 | -- | 520 | ND<5.0 | ND<5.0 | ND<5.0 | 8.2 | -- | 870 | |
| 3/27/2007 | 32.00 | 16.87 | 0.00 | 15.13 | -0.12 | -- | 1400 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | -- | 3600 | |
| 9/28/2007 | 32.00 | 17.91 | 0.00 | 14.09 | -1.04 | -- | 280 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | -- | 670 | |

**Table 2 a**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 0752**

| Date Sampled | TPH-D | TBA | Ethanol (8260B) | Ethylene-dibromide (EDB) | 1,2-DCA (EDC) | DIPE | ETBE | TAME | Total Oil and Grease | Chloroform | Tetrachloro-ethene (PCE) | Trichloro-ethene (TCE) | Cadmium (dissolved) | Calcium | Chromium (total) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) | (mg/l) | (mg/l) |
| **MW-1** | | | | | | | | | | | | | | | |
| 6/5/1991 | 47 | -- | -- | -- | -- | -- | -- | -- | -- | 7.8 | 2.9 | 1.3 | -- | -- | -- |
| 9/30/1991 | ND | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/30/1991 | ND | -- | -- | -- | -- | -- | -- | -- | ND | 6.4 | 2.1 | 0.9 | ND | -- | 0.0078 |
| 4/2/1992 | 94 | -- | -- | -- | -- | -- | -- | -- | ND | 7.1 | 2.6 | 1.4 | ND | -- | 0.015 |
| 6/30/1992 | 120 | -- | -- | -- | -- | -- | -- | -- | ND | 9.5 | 2.2 | 1.3 | ND | -- | 0.079 |
| 9/15/1992 | ND | -- | -- | -- | -- | -- | -- | -- | -- | 12 | 2.2 | 1.3 | -- | -- | -- |
| 12/21/1992 | ND | -- | -- | -- | -- | -- | -- | -- | -- | 12 | 1.4 | 0.83 | -- | -- | -- |
| 4/28/1993 | 470 | -- | -- | -- | 1.1 | -- | -- | -- | -- | 12 | 0.89 | 0.85 | -- | -- | -- |
| 7/23/1993 | ND | -- | -- | -- | -- | -- | -- | -- | -- | 16 | 1.3 | 0.91 | -- | -- | -- |
| 10/5/1993 | 57 | -- | -- | -- | -- | -- | -- | -- | -- | 13 | 1.3 | 0.66 | -- | -- | -- |
| 1/3/1994 | ND | -- | -- | -- | -- | -- | -- | -- | -- | 18 | 1.4 | 0.93 | -- | -- | -- |
| 4/2/1994 | ND | -- | -- | -- | -- | -- | -- | -- | -- | 15 | 1.1 | 0.68 | -- | -- | -- |
| 4/10/1996 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 21 | -- |
| 7/15/2002 | -- | ND<5.0 | ND<25 | ND<0.5 | ND<0.5 | ND<1.0 | ND<0.5 | ND<0.5 | -- | -- | -- | -- | -- | -- | -- |
| 1/18/2003 | -- | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/11/2003 | -- | -- | ND<25000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/4/2004 | -- | ND<10000 | ND<50000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/11/2004 | -- | -- | ND<1000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/31/2005 | -- | -- | ND<2000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/30/2005 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/27/2006 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/27/2006 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/27/2007 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/28/2007 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-2** | | | | | | | | | | | | | | | |
| 1/3/1996 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 27 | -- |

**Table 2 a**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 0752**

| Date Sampled | TPH-D | TBA | Ethanol (8260B) | Ethylene-dibromide (EDB) | 1,2-DCA (EDC) | DIPE | ETBE | TAME | Total Oil and Grease | Chloroform | Tetrachloro-ethene (PCE) | Trichloro-ethene (TCE) | Cadmium (dissolved) | Calcium | Chromium (total) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) | (mg/l) | (mg/l) |
| **MW-2 continued** | | | | | | | | | | | | | | | |
| 4/10/1996 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 58 | -- |
| 7/11/2003 | -- | -- | ND<500 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/4/2004 | -- | ND<100 | ND<500 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/11/2004 | -- | -- | ND<50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/31/2005 | -- | -- | ND<50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/30/2005 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/27/2006 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/27/2006 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/27/2007 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/28/2007 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-3** | | | | | | | | | | | | | | | |
| 1/3/1996 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 43 | -- |
| 2/4/2004 | -- | ND<100 | ND<500 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/11/2004 | -- | -- | ND<20000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/31/2005 | -- | -- | ND<20000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/30/2005 | -- | -- | ND<12000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/27/2006 | -- | -- | ND<12000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/27/2006 | -- | -- | ND<62000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/27/2007 | -- | -- | ND<6200 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/28/2007 | -- | -- | ND<25000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-4** | | | | | | | | | | | | | | | |
| 1/3/1994 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 9.0 | 1.0 | ND | -- | -- | -- |
| 2/4/2004 | -- | ND<2000 | ND<10000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/11/2004 | -- | -- | ND<5000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/31/2005 | -- | -- | ND<1300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/30/2005 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 2 a**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 0752**

| Date Sampled | TPH-D | TBA | Ethanol (8260B) | Ethylene-dibromide (EDB) | 1,2-DCA (EDC) | DIPE | ETBE | TAME | Total Oil and Grease | Chloroform | Tetrachloro-ethene (PCE) | Trichloro-ethene (TCE) | Cadmium (dissolved) | Calcium | Chromium (total) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) | (mg/l) | (mg/l) |
| **MW-4 continued** | | | | | | | | | | | | | | | |
| 3/27/2006 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/27/2006 | -- | -- | ND<5000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/27/2007 | -- | -- | ND<1200 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/28/2007 | -- | -- | ND<2500 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-5** | | | | | | | | | | | | | | | |
| 2/4/2004 | -- | ND<100 | ND<500 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/11/2004 | -- | -- | ND<50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/31/2005 | -- | -- | ND<50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/30/2005 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/27/2006 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/27/2006 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/27/2007 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/28/2007 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-6** | | | | | | | | | | | | | | | |
| 2/4/2004 | -- | ND<100 | ND<500 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/11/2004 | -- | -- | ND<5000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/31/2005 | -- | -- | ND<5000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/30/2005 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/27/2006 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/27/2006 | -- | -- | ND<6200 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/27/2007 | -- | -- | ND<1200 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/28/2007 | -- | -- | ND<2500 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-7** | | | | | | | | | | | | | | | |
| 2/4/2004 | -- | ND<100 | ND<500 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/11/2004 | -- | -- | ND<5000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 2 a**
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**
**76 Station 0752**

| Date Sampled | TPH-D | TBA | Ethanol (8260B) | Ethylene-dibromide (EDB) | 1,2-DCA (EDC) | DIPE | ETBE | TAME | Total Oil and Grease | Chloroform | Tetrachloro-ethene (PCE) | Trichloro-ethene (TCE) | Cadmium (dissolved) | Calcium | Chromium (total) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) | (µg/l) | (µg/l) | (µg/l) | (mg/l) | (mg/l) | (mg/l) |
| **MW-7 continued** | | | | | | | | | | | | | | | |
| 3/31/2005 | -- | -- | ND<5000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/30/2005 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/27/2006 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/27/2006 | -- | -- | ND<6200 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/27/2007 | -- | -- | ND<500 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/28/2007 | -- | -- | ND<5000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-8** | | | | | | | | | | | | | | | |
| 1/3/1994 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.5 | 1.2 | ND | -- | -- | -- |
| 2/4/2004 | -- | ND<100 | ND<500 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/11/2004 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/31/2005 | -- | -- | ND<2000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/30/2005 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/27/2006 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/27/2006 | -- | -- | ND<2500 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/27/2007 | -- | -- | ND<250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/28/2007 | -- | -- | ND<1200 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

## Table 2 b
## ADDITIONAL HISTORIC ANALYTICAL RESULTS
## 76 Station 0752

| Date Sampled | Iron (total) | Lead (total) | Manganese (dissolved) | Nickel | Zinc (dissolved | Nitrate | Sulfate | Alkalinity ( bicarb.) | BOD | Post-purge Dissolved Oxygen | Pre-purge Dissolved Oxygen |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (mg/l) | (mg/l) | (mg/l) | (mg/l) | (mg/l) | (mg/l) | (mg/l) | (mg/l) | (mg/l) | (mg/l) | (mg/l) |
| **MW-1** | | | | | | | | | | | |
| 12/30/1991 | -- | 0.0057 | -- | ND | 0.046 | -- | -- | -- | -- | -- | -- |
| 4/2/1992 | -- | 0.016 | -- | ND | 0.02 | -- | -- | -- | -- | -- | -- |
| 6/30/1992 | -- | 0.009 | -- | 0.1 | 0.087 | -- | -- | -- | -- | -- | -- |
| 4/10/1996 | 15 | -- | 2.6 | -- | -- | -- | -- | 160 | -- | 3.04 | -- |
| 7/9/1996 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.13 | -- |
| 1/24/1997 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.56 | -- |
| 7/23/1997 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.81 | 2.26 |
| 1/26/1998 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.97 |
| 7/3/1998 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.58 |
| **MW-2** | | | | | | | | | | | |
| 1/3/1996 | 77 | -- | 3.0 | -- | -- | 0.22 | 97 | 130 | 2.2 | 1.80 | -- |
| 4/10/1996 | 60 | -- | 7.0 | -- | -- | -- | -- | 460 | -- | 5.88 | -- |
| 7/9/1996 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.71 | -- |
| 1/24/1997 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.37 | -- |
| 7/23/1997 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.97 | 1.40 |
| 1/26/1998 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4.12 |
| 7/3/1998 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.99 |
| **MW-3** | | | | | | | | | | | |
| 1/3/1996 | -- | -- | -- | -- | -- | -- | 16 | -- | -- | 1.50 | -- |

# FIGURES


N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Oakland East & Oakland West
Quadrangles

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

SCALE 1: 24,000


TRC

PROJECT: 125703

FACILITY:

76 STATION 0752
800 HARRISON STREET
OAKLAND, CALIFORNIA

**VICINITY MAP**

**FIGURE 1**

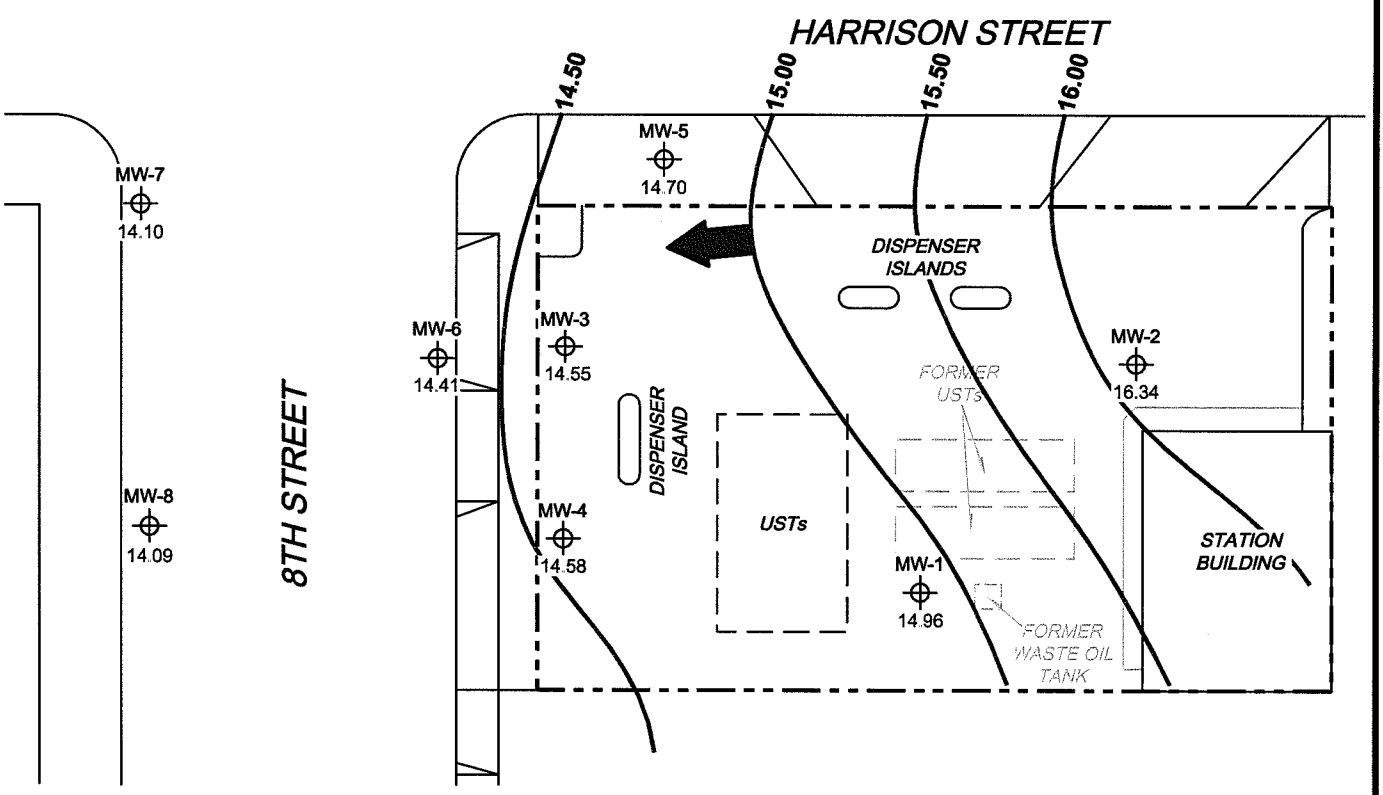
PS=1:1 L:\QMS VICINITY MAPS\0752vm.dwg Oct 11, 2007 - 12:54pm bschmidt

LEGEND

MW-8 ⊕ Monitoring Well with Groundwater Elevation (feet)

16.00 — 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. UST = underground storage tank.

SCALE (FEET)

0 30

TRC

PROJECT: 125703

FACILITY:
76 STATION 0752
800 HARRISON STREET
OAKLAND, CALIFORNIA

**GROUNDWATER ELEVATION CONTOUR MAP**
**September 28, 2007**

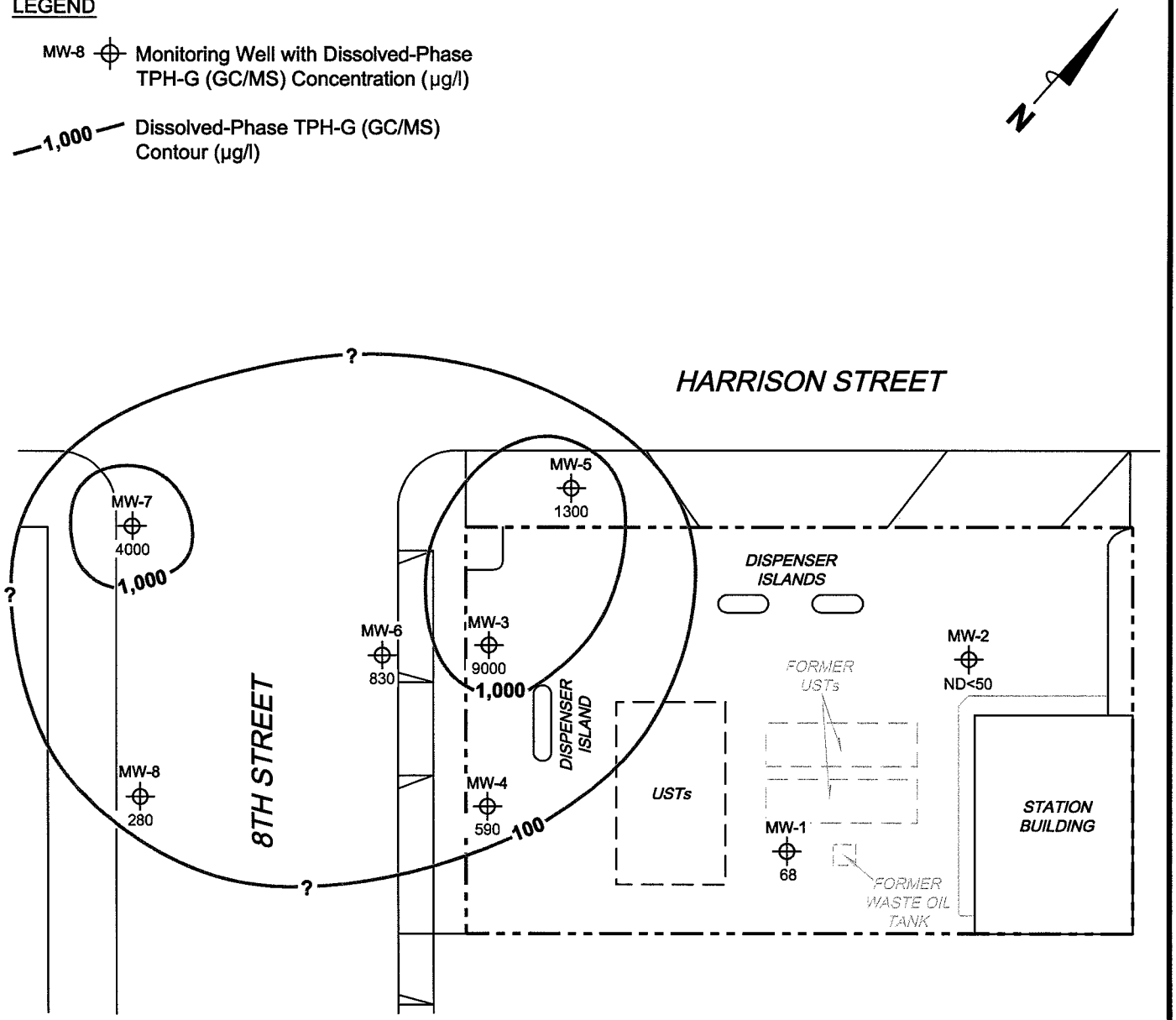
**FIGURE 2**

MS=1:1 0752-003 L:\Graphics\QMS NORTH-SOUTH\x-0000\0752+\0752qms(NEW).dwg Oct 17, 2007 - 12:51pm bschmidt

LEGEND

MW-8 ⊕ Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration (µg/l)

—1,000— Dissolved-Phase TPH-G (GC/MS) Contour (µg/l)




NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPH-G (GC/MS) = total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank.

SCALE (FEET)

0 30

TRC

PROJECT: 125703

FACILITY:
76 STATION 0752
800 HARRISON STREET
OAKLAND, CALIFORNIA

**DISSOLVED-PHASE TPH-G (GC/MS) CONCENTRATION MAP**
**September 28, 2007**

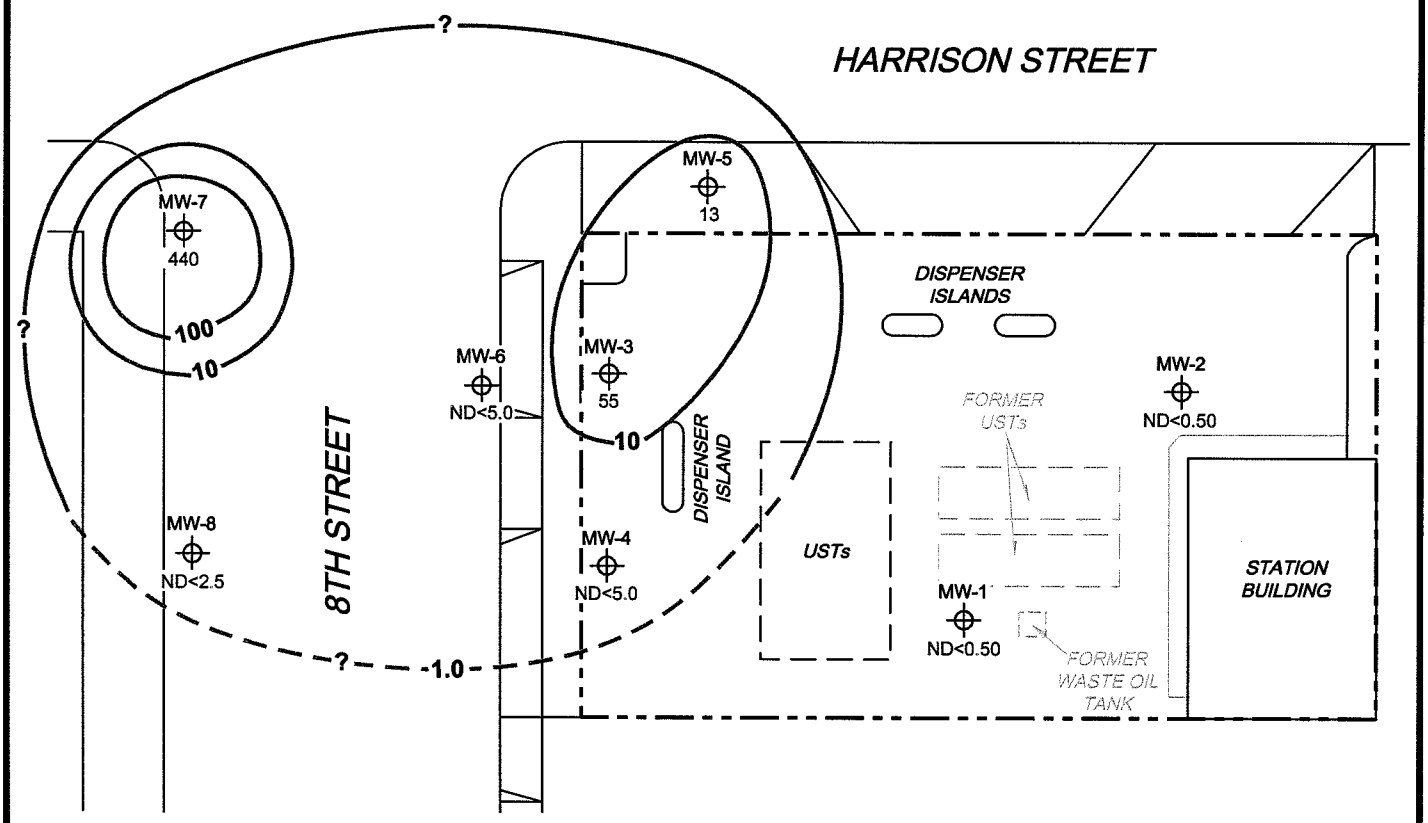
**FIGURE 3**

MS=1:1 0752-003 L:\Graphics\QMS NORTH-SOUTH\x-0000\0752+\0752qms(NEW).dwg Oct 17, 2007 - 12:59pm bschmidt

LEGEND

MW-8 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

100 Dissolved-Phase Benzene Contour (µg/l)




NOTES:

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

SCALE (FEET)

0 30

TRC

PROJECT: 125703

FACILITY:
76 STATION 0752
800 HARRISON STREET
OAKLAND, CALIFORNIA

**DISSOLVED-PHASE BENZENE CONCENTRATION MAP**
**September 28, 2007**

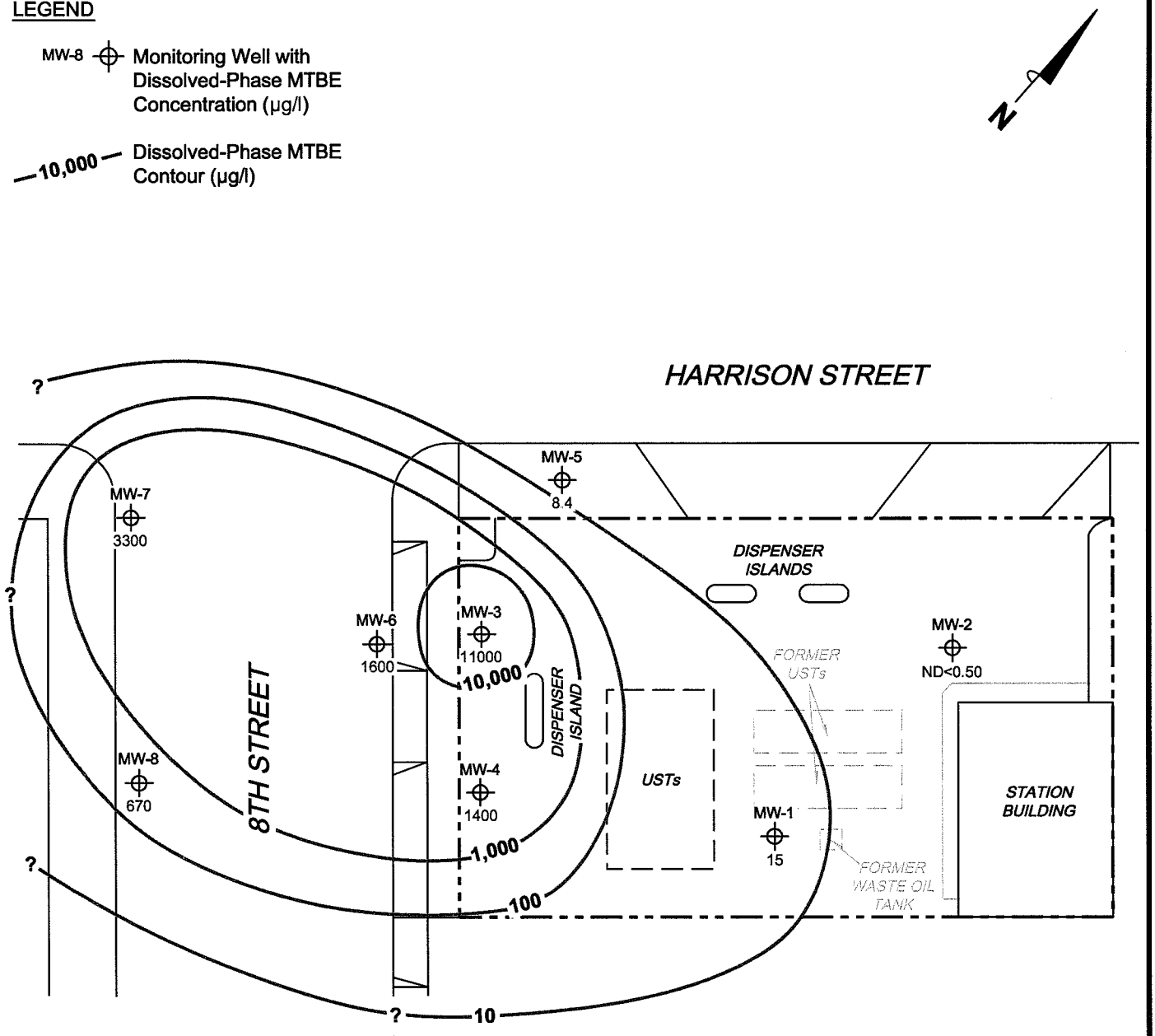
**FIGURE 4**

MS=1:1 0752-003 L:\Graphics\QMS NORTH-SOUTH\x-0000\0752+\0752qms(NEW).dwg Oct 17, 2007 - 1:09pm bschmidt

LEGEND

MW-8 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

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




NOTES:

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

SCALE (FEET)

0 30

TRC

PROJECT: 125703

FACILITY:
76 STATION 0752
800 HARRISON STREET
OAKLAND, CALIFORNIA

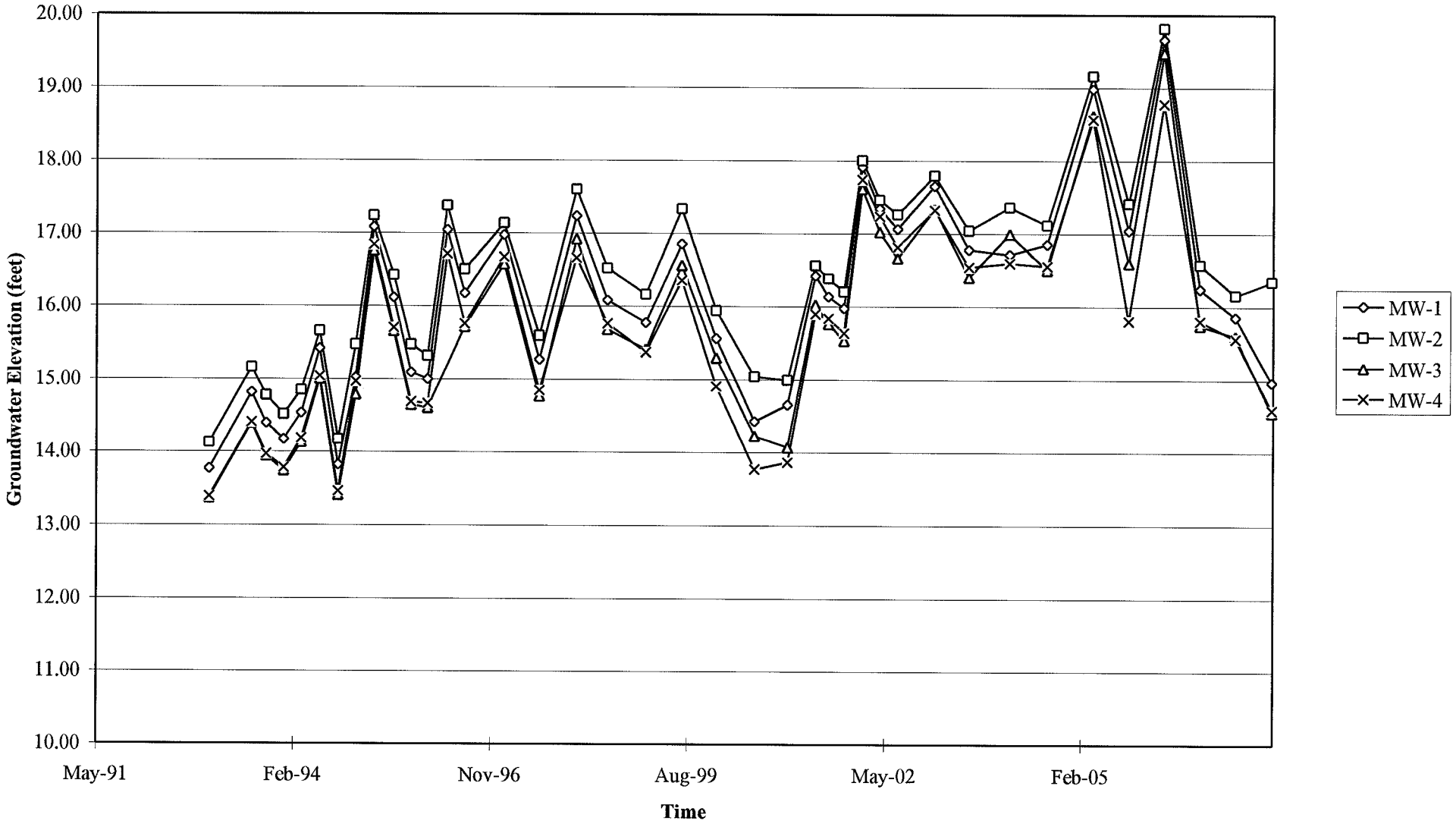
**DISSOLVED-PHASE MTBE CONCENTRATION MAP**
**September 28, 2007**

**FIGURE 5**

MS=1:1 0752-003 L:\Graphics\QMS NORTH-SOUTH\x-0000\0752+\0752qms(NEW).dwg Oct 19, 2007 - 10:06am bschmidt

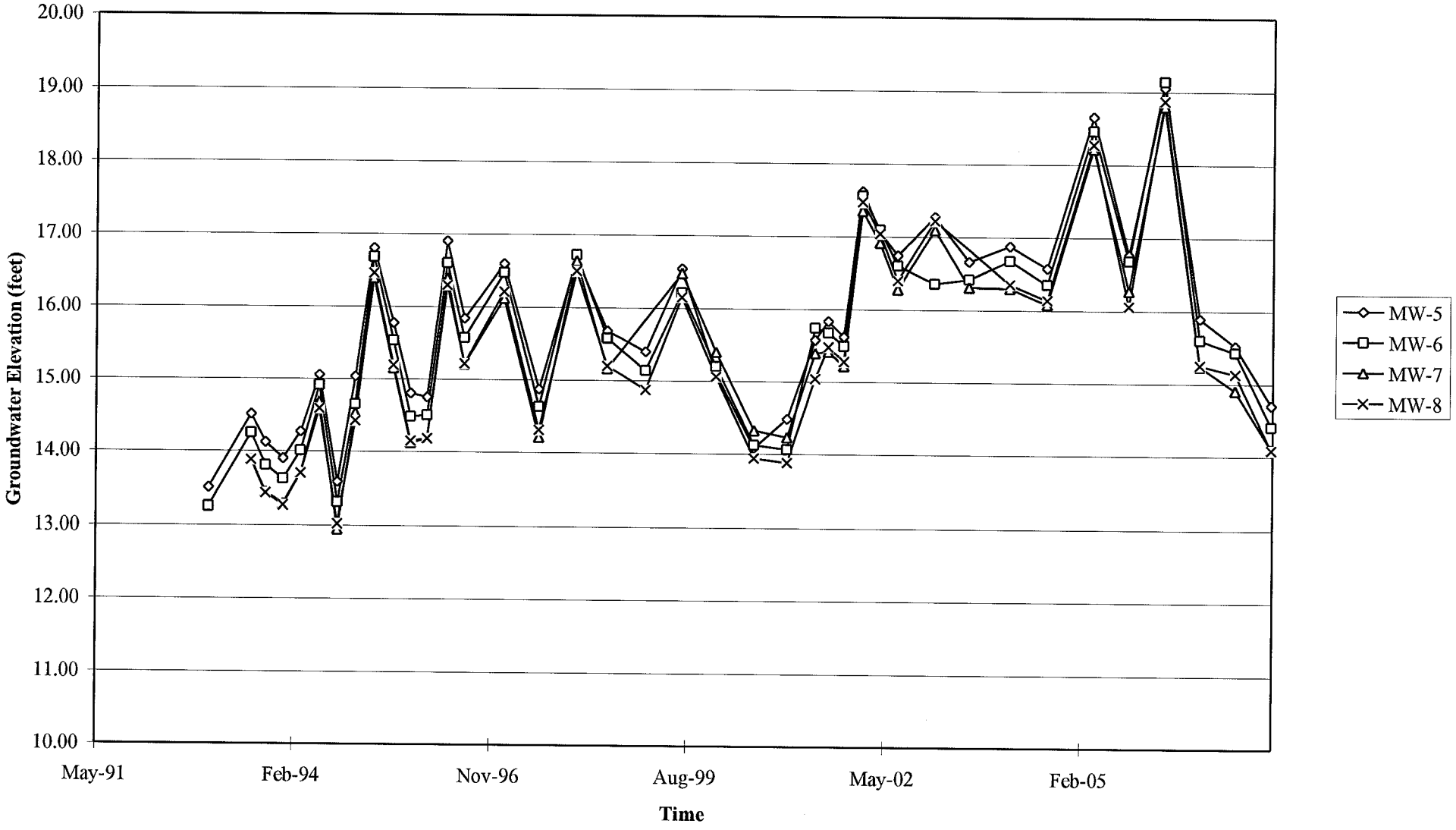
# GRAPHS

Groundwater Elevations vs. Time
76 Station 0752



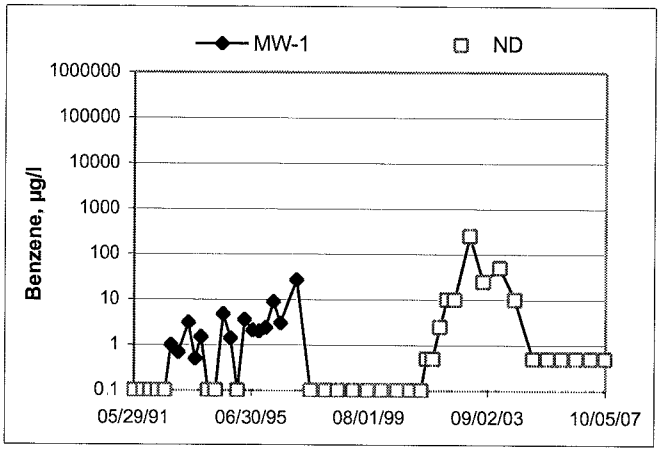

Elevations may have been corrected for apparent changes due to resurvey

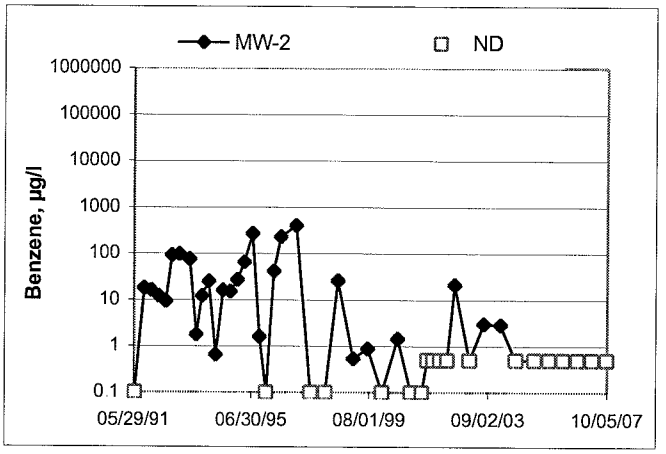
Groundwater Elevations vs. Time
76 Station 0752

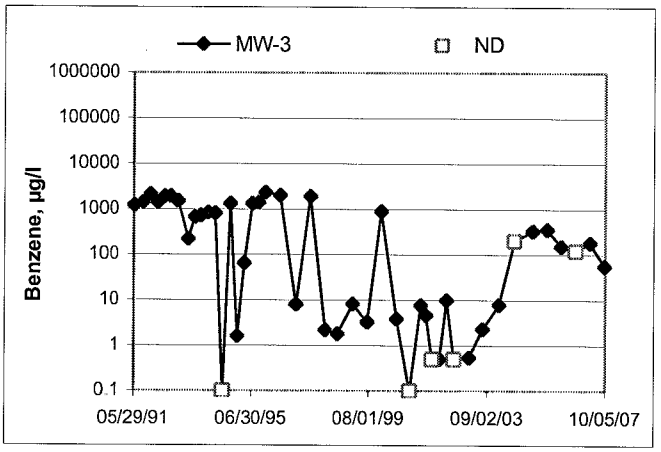


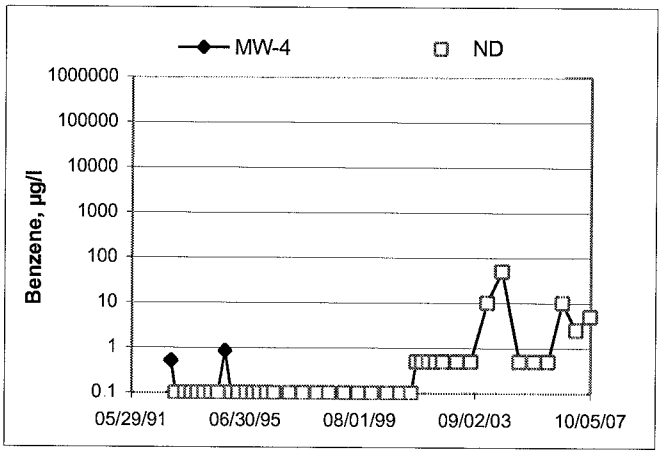

Elevations may have been corrected for apparent changes due to resurvey

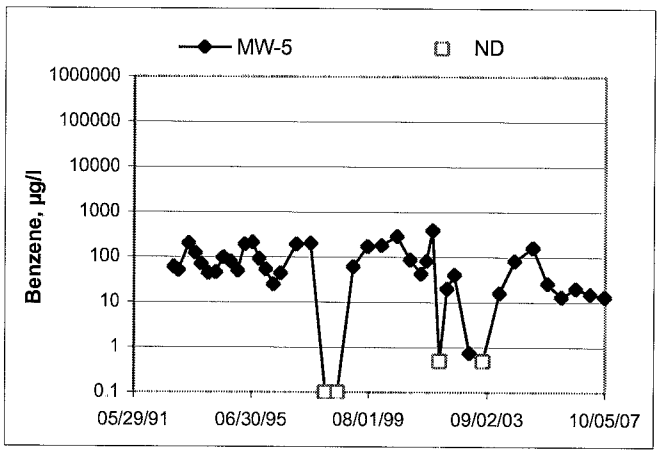
**Benzene Concentrations vs Time**
76 Station 0752

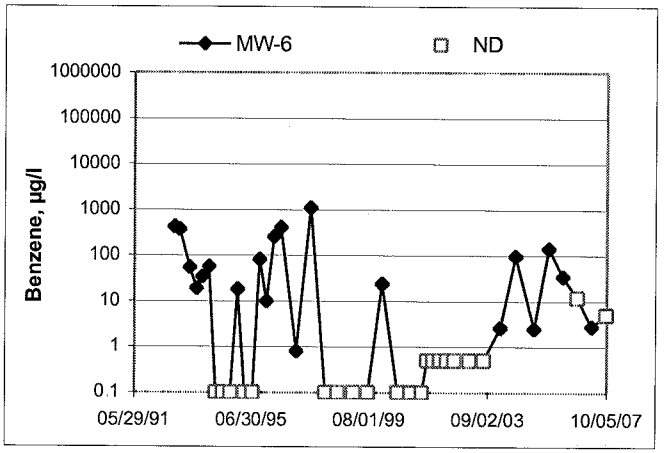


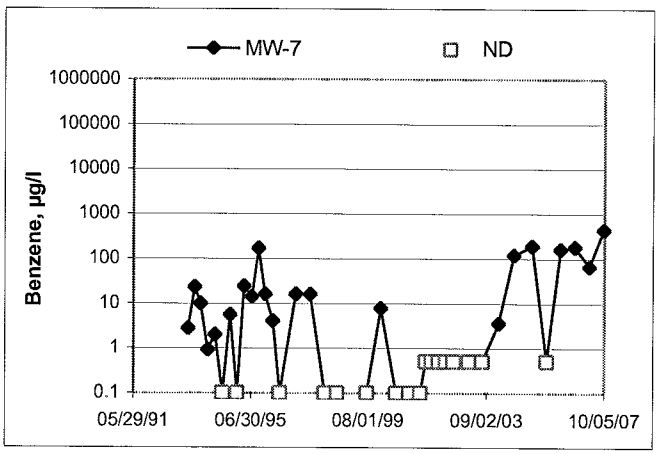



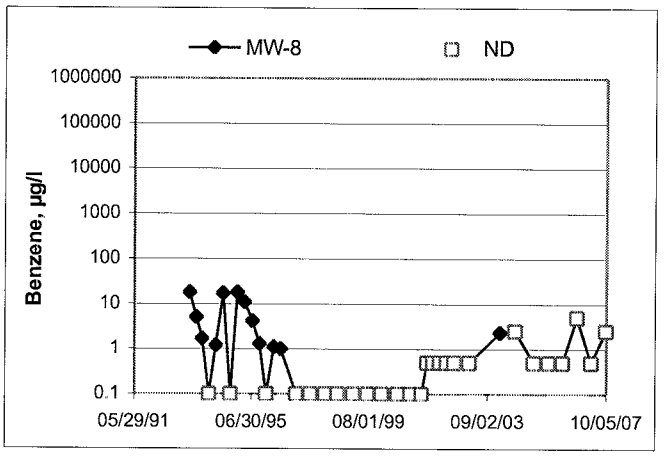



# GENERAL FIELD PROCEDURES

## 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 measurements are calibrated daily according to manufacturer's instructions.

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

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

## Groundwater Sample Collection

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

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

After filling, all containers are labeled with project number (or site number), well designation, sample date, sample time, and the sampler's 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 the 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 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 wells, 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: Alex  Job #/Task #: 125703  Date: 9/28/07

Site # 0752  Project Manager _____  Page ____ of ____

| Well # | Time Gauged | TOC | Total Depth | Depth to Water | Depth to Product | Product Thickness (feet) | Time Sampled | Misc. Well Notes |
|---|---|---|---|---|---|---|---|---|
| MW-8 | 0540 | ✓ | 28.58 | 17.91 | — | — | 0845 | 2" |
| MW-7 | 0545 | ✓ | 31.74 | 18.10 | — | — | 0903 | 2" |
| MW-6 | 0553 | ✓ | 30.97 | 17.75 | — | — | 0920 | 2" |
| MW-2 | 0603 | ✓ | 30.90 | 18.38 | — | — | 0712 | 2" |
| MW-1 | 0610 | ✓ | 32.67 | 19.73 | — | — | 0730 | 2" |
| MW-5 | 0616 | ✓ | 31.80 | 18.25 | — | — | 0747 | 2" |
| MW-4 | 0622 | ✓ | 31.31 | 18.13 | — | — | 0807 | 2" |
| MW-3 | 0629 | ✓ | 30.55 | 18.59 | — | — | 0825 | 2 |

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

# GROUNDWATER SAMPLING FIELD NOTES

Technician: Alex

Site: 0752 Project No.: 125703 Date: ~~9/18~~ 9/20/07

**Well No.** MW-8 Purge Method: DIA

Depth to Water (feet): 17.91 Depth to Product (feet): —

Total Depth (feet) 28.58 LPH & Water Recovered (gallons): —

Water Column (feet): 10.67 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 20.04 1 Well Volume (gallons): 2

| Time Start | Time Stop | Depth to Water (feet) | Volume Purged (gallons) | Conduc-tivity (uS/cm) | Temperature (F, C) | pH | D.O. | ORP | Turbidity |
|---|---|---|---|---|---|---|---|---|---|
| 0841 | | | 2 | 470.6 | 18.8 | 6.86 | | | |
| | | | 4 | 451.5 | 19.1 | 6.83 | | | |
| | 0843 | | 6 | 442.2 | 19.1 | 6.78 | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Sample Time |
|---|---|---|
| 18.27 | 6 | ~~0845~~ |

**Comments:**

**Well No.** MW-7 Purge Method: DIA

Depth to Water (feet): 18.10 Depth to Product (feet): —

Total Depth (feet) 31.74 LPH & Water Recovered (gallons): —

Water Column (feet): 13.64 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 20.82 1 Well Volume (gallons): 2.

| Time Start | Time Stop | Depth to Water (feet) | Volume Purged (gallons) | Conduc-tivity (uS/cm) | Temperature (F, C) | pH | D.O. | ORP | Turbidity |
|---|---|---|---|---|---|---|---|---|---|
| ~~0856~~ | | | 2 | ~~355.4~~ | 17.9 | 6.85 | | | |
| | | | 4 | 379.7 | 18.4 | 6.81 | | | |
| | 0858 | | 6 | 374.1 | 18.4 | 6.79 | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Sample Time |
|---|---|---|
| 1882 | 6 | 0903 |

**Comments:**

TRC

# GROUNDWATER SAMPLING FIELD NOTES

Technician: Alex

Site: 0752 Project No.: 125703 Date: 9/28/07

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

Depth to Water (feet): 17.75 Depth to Product (feet): —

Total Depth (feet) 30.97 LPH & Water Recovered (gallons): —

Water Column (feet): 13.22 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 20.39 1 Well Volume (gallons): 2

| Time Start | Time Stop | Depth to Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F, C) | pH | D.O. | ORP | Turbidity |
|---|---|---|---|---|---|---|---|---|---|
| 0914 | | | 2 | 341.5 | 18.2 | 7.04 | | | |
| | | | 4 | 283.0 | 18.9 | 7.00 | | | |
| | 0916 | | 6 | 302.2 | 18.6 | 6.94 | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Sample Time |
|---|---|---|
| 18.32 | 6 | 0920 |

**Comments:**

**Well No.** MW-2 Purge Method: DIA

Depth to Water (feet): 18.38 Depth to Product (feet): —

Total Depth (feet) 30.90 LPH & Water Recovered (gallons): —

Water Column (feet): 12.52 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 20.88 1 Well Volume (gallons): 2

| Time Start | Time Stop | Depth to Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F, C) | pH | D.O. | ORP | Turbidity |
|---|---|---|---|---|---|---|---|---|---|
| 0702 | | | 2 | 596.2 | 17.7 | 8.60 | | | |
| | | | 4 | 592.9 | 18.2 | 7.66 | | | |
| | 0704 | | 6 | 549.4 | 18.0 | 7.42 | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Sample Time |
|---|---|---|
| 19.50 | 6 | 0712 |

**Comments:**

TRC

# GROUNDWATER SAMPLING FIELD NOTES

Technician: Alex

Site: 0752 Project No.: 125703 Date: 9/28/07

**Well No.** MW-1 Purge Method: DIA

Depth to Water (feet): 19.73 Depth to Product (feet): —

Total Depth (feet) 32.67 LPH & Water Recovered (gallons): —

Water Column (feet): 12.94 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 22.31 1 Well Volume (gallons): 2

| Time Start | Time Stop | Depth to Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F, C) | pH | D.O. | ORP | Turbidity |
|---|---|---|---|---|---|---|---|---|---|
| 0725 | | | 2 | 199.7 | 17.7 | 7.05 | | | |
| | | | 4 | 199.5 | 18.4 | 6.98 | | | |
| | 0727 | | 6 | 212.4 | 18.2 | 6.94 | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Sample Time |
|---|---|---|
| 19.81 | 6 | 0750 |

**Comments:**

**Well No** MW-5 Purge Method: DIA

Depth to Water (feet): 18.25 Depth to Product (feet): —

Total Depth (feet) 31.80 LPH & Water Recovered (gallons): —

Water Column (feet): 13.55 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 20.96 1 Well Volume (gallons): 2

| Time Start | Time Stop | Depth to Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F, C) | pH | D.O. | ORP | Turbidity |
|---|---|---|---|---|---|---|---|---|---|
| 0742 | | | 2 | 381.8 | 18.1 | 6.80 | | | |
| | | | 4 | 369.3 | 19.0 | 6.76 | | | |
| | 0744 | | 6 | 347.9 | 18.9 | 6.74 | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Sample Time |
|---|---|---|
| ~~19.76~~ 19.70 | 6 | 7.47 |

**Comments:**

TRC

# GROUNDWATER SAMPLING FIELD NOTES

Technician: Alex

Site: 0752 Project No.: 125703 Date: 9/28/07

**Well No.** MW-4 Purge Method: DIA

Depth to Water (feet): 18.13 Depth to Product (feet): ~

Total Depth (feet) 31.31 LPH & Water Recovered (gallons): ~

Water Column (feet): 13.18 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 20.76 1 Well Volume (gallons): 2

| Time Start | Time Stop | Depth to Water (feet) | Volume Purged (gallons) | Conduc-tivity (uS/cm) | Temperature (F, C) | pH | D.O. | ORP | Turbidity |
|---|---|---|---|---|---|---|---|---|---|
| 0800 | | | 2 | 389.9 | 18.3 | 6.79 | | | |
| | | | 4 | 373.9 | 18.8 | 6.76 | | | |
| | 0802 | | 6 | 353.7 | 18.3 | 6.76 | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Sample Time |
|---|---|---|
| 18.44 | 6 | 0807 |

**Comments:**

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

Depth to Water (feet): 18.59 Depth to Product (feet): ~

Total Depth (feet) 30.55 LPH & Water Recovered (gallons): ~

Water Column (feet): 11.96 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 20.98 1 Well Volume (gallons): 2

| Time Start | Time Stop | Depth to Water (feet) | Volume Purged (gallons) | Conduc-tivity (uS/cm) | Temperature (F, C) | pH | D.O. | ORP | Turbidity |
|---|---|---|---|---|---|---|---|---|---|
| 0821 | | | 2 | 643.8 | 18.0 | 6.73 | | | |
| | | | 4 | 628.0 | 18.6 | 6.68 | | | |
| | 0822 | | 6 | 622.3 | 18.4 | 6.65 | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Static at Time Sampled | Total Gallons Purged | Sample Time |
|---|---|---|
| 18.81 | 6 | 0825 |

**Comments:**

TRC

BC LABORATORIES, INC.

Date of Report: 10/09/2007

Anju Farfan

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

RE: 0752
BC Work Order: 0711403

Enclosed are the results of analyses for samples received by the laboratory on 09/28/2007 18:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

BC LABORATORIES, INC.

| | | |
|---|---|---|
| TRC Alton Geoscience<br>21 Technology Drive<br>Irvine, CA 92618-2302 | Project: 0752<br>Project Number: [none]<br>Project Manager: Anju Farfan | **Reported:** 10/09/2007 15:26 |

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | | |
|---|---|---|---|---|---|
| 0711403-01 | **COC Number:** | --- | **Receive Date:** | 09/28/2007 18:45 | Delivery Work Order: |
| | **Project Number:** | 0752 | **Sampling Date:** | 09/28/2007 08:45 | Global ID: T0600101486 |
| | **Sampling Location:** | MW-8 | **Sample Depth:** | --- | Matrix: W |
| | **Sampling Point:** | MW-8 | **Sample Matrix:** | Water | Samle QC Type (SACode): CS |
| | **Sampled By:** | TRCI | | | Cooler ID: |
| 0711403-02 | **COC Number:** | --- | **Receive Date:** | 09/28/2007 18:45 | Delivery Work Order: |
| | **Project Number:** | 0752 | **Sampling Date:** | 09/28/2007 09:03 | Global ID: T0600101486 |
| | **Sampling Location:** | MW-7 | **Sample Depth:** | --- | Matrix: W |
| | **Sampling Point:** | MW-7 | **Sample Matrix:** | Water | Samle QC Type (SACode): CS |
| | **Sampled By:** | TRCI | | | Cooler ID: |
| 0711403-03 | **COC Number:** | --- | **Receive Date:** | 09/28/2007 18:45 | Delivery Work Order: |
| | **Project Number:** | 0752 | **Sampling Date:** | 09/28/2007 09:20 | Global ID: T0600101486 |
| | **Sampling Location:** | MW-6 | **Sample Depth:** | --- | Matrix: W |
| | **Sampling Point:** | MW-6 | **Sample Matrix:** | Water | Samle QC Type (SACode): CS |
| | **Sampled By:** | TRCI | | | Cooler ID: |
| 0711403-04 | **COC Number:** | --- | **Receive Date:** | 09/28/2007 18:45 | Delivery Work Order: |
| | **Project Number:** | 0752 | **Sampling Date:** | 09/28/2007 07:12 | Global ID: T0600101486 |
| | **Sampling Location:** | MW-2 | **Sample Depth:** | --- | Matrix: W |
| | **Sampling Point:** | MW-2 | **Sample Matrix:** | Water | Samle QC Type (SACode): CS |
| | **Sampled By:** | TRCI | | | Cooler ID: |
| 0711403-05 | **COC Number:** | --- | **Receive Date:** | 09/28/2007 18:45 | Delivery Work Order: |
| | **Project Number:** | 0752 | **Sampling Date:** | 09/28/2007 07:30 | Global ID: T0600101486 |
| | **Sampling Location:** | MW-1 | **Sample Depth:** | --- | Matrix: W |
| | **Sampling Point:** | MW-1 | **Sample Matrix:** | Water | Samle QC Type (SACode): CS |
| | **Sampled By:** | TRCI | | | Cooler ID: |





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Project: 0752
Project Number: [none]
Project Manager: Anju Farfan

**Reported:** 10/09/2007 15:26

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | | |
|---|---|---|---|---|---|
| **0711403-06** | **COC Number:** | --- | **Receive Date:** | 09/28/2007 18:45 | Delivery Work Order: |
| | **Project Number:** | 0752 | **Sampling Date:** | 09/28/2007 07:47 | Global ID: T0600101486 |
| | **Sampling Location:** | MW-5 | **Sample Depth:** | --- | Matrix: W |
| | **Sampling Point:** | MW-5 | **Sample Matrix:** | Water | Samle QC Type (SACode): CS |
| | **Sampled By:** | TRCI | | | Cooler ID: |
| **0711403-07** | **COC Number:** | --- | **Receive Date:** | 09/28/2007 18:45 | Delivery Work Order: |
| | **Project Number:** | 0752 | **Sampling Date:** | 09/28/2007 08:07 | Global ID: T0600101486 |
| | **Sampling Location:** | MW-4 | **Sample Depth:** | --- | Matrix: W |
| | **Sampling Point:** | MW-4 | **Sample Matrix:** | Water | Samle QC Type (SACode): CS |
| | **Sampled By:** | TRCI | | | Cooler ID: |
| **0711403-08** | **COC Number:** | --- | **Receive Date:** | 09/28/2007 18:45 | Delivery Work Order: |
| | **Project Number:** | 0752 | **Sampling Date:** | 09/28/2007 08:25 | Global ID: T0600101486 |
| | **Sampling Location:** | MW-3 | **Sample Depth:** | --- | Matrix: W |
| | **Sampling Point:** | MW-3 | **Sample Matrix:** | Water | Samle QC Type (SACode): CS |
| | **Sampled By:** | TRCI | | | Cooler ID: |







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| | | |
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# Volatile Organic Analysis (EPA Method 8260)

**BCL Sample ID:** 0711403-01 | **Client Sample Name:** 0752, MW-8, MW-8, 9/28/2007 8:45:00AM

| Constituent | Result | Units | PQL | MDL | Method | Prep Date | Run Date/Time | Analyst | Instrument ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 2.5 | | EPA-8260 | 10/05/07 | 10/07/07 00:28 | KEN | MS-V12 | 5 | BQJ0322 | ND | A01 |
| Ethylbenzene | ND | ug/L | 2.5 | | EPA-8260 | 10/05/07 | 10/07/07 00:28 | KEN | MS-V12 | 5 | BQJ0322 | ND | A01 |
| Methyl t-butyl ether | 670 | ug/L | 25 | | EPA-8260 | 10/05/07 | 10/06/07 04:27 | KEN | MS-V12 | 50 | BQJ0322 | ND | A01 |
| Toluene | ND | ug/L | 2.5 | | EPA-8260 | 10/05/07 | 10/07/07 00:28 | KEN | MS-V12 | 5 | BQJ0322 | ND | A01 |
| Total Xylenes | ND | ug/L | 2.5 | | EPA-8260 | 10/05/07 | 10/07/07 00:28 | KEN | MS-V12 | 5 | BQJ0322 | ND | A01 |
| Ethanol | ND | ug/L | 1200 | | EPA-8260 | 10/05/07 | 10/07/07 00:28 | KEN | MS-V12 | 5 | BQJ0322 | ND | A01 |
| Total Purgeable Petroleum Hydrocarbons | 280 | ug/L | 250 | | EPA-8260 | 10/05/07 | 10/07/07 00:28 | KEN | MS-V12 | 5 | BQJ0322 | ND | A01,A90 |
| 1,2-Dichloroethane-d4 (Surrogate) | 104 | % | 76 - 114 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/07/07 00:28 | KEN | MS-V12 | 5 | BQJ0322 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | 91.7 | % | 76 - 114 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 04:27 | KEN | MS-V12 | 50 | BQJ0322 | | |
| Toluene-d8 (Surrogate) | 98.3 | % | 88 - 110 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/07/07 00:28 | KEN | MS-V12 | 5 | BQJ0322 | | |
| Toluene-d8 (Surrogate) | 97.4 | % | 88 - 110 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 04:27 | KEN | MS-V12 | 50 | BQJ0322 | | |
| 4-Bromofluorobenzene (Surrogate) | 100 | % | 86 - 115 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/07/07 00:28 | KEN | MS-V12 | 5 | BQJ0322 | | |
| 4-Bromofluorobenzene (Surrogate) | 99.2 | % | 86 - 115 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 04:27 | KEN | MS-V12 | 50 | BQJ0322 | | |

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# Volatile Organic Analysis (EPA Method 8260)

**BCL Sample ID:** 0711403-02 | **Client Sample Name:** 0752, MW-7, MW-7, 9/28/2007 9:03:00AM

| Constituent | Result | Units | PQL | MDL | Method | Prep Date | Run Date/Time | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 440 | ug/L | 10 | | EPA-8260 | 10/05/07 | 10/06/07 04:51 | KEN | MS-V12 | 20 | BQJ0322 | ND | A01 |
| Ethylbenzene | 17 | ug/L | 10 | | EPA-8260 | 10/05/07 | 10/06/07 04:51 | KEN | MS-V12 | 20 | BQJ0322 | ND | A01 |
| Methyl t-butyl ether | 3300 | ug/L | 50 | | EPA-8260 | 10/05/07 | 10/06/07 22:52 | KEN | MS-V12 | 100 | BQJ0322 | ND | A01 |
| Toluene | 15 | ug/L | 10 | | EPA-8260 | 10/05/07 | 10/06/07 04:51 | KEN | MS-V12 | 20 | BQJ0322 | ND | A01 |
| Total Xylenes | 59 | ug/L | 10 | | EPA-8260 | 10/05/07 | 10/06/07 04:51 | KEN | MS-V12 | 20 | BQJ0322 | ND | A01 |
| Ethanol | ND | ug/L | 5000 | | EPA-8260 | 10/05/07 | 10/06/07 04:51 | KEN | MS-V12 | 20 | BQJ0322 | ND | A01,V11 |
| Total Purgeable Petroleum Hydrocarbons | 4000 | ug/L | 1000 | | EPA-8260 | 10/05/07 | 10/06/07 04:51 | KEN | MS-V12 | 20 | BQJ0322 | ND | A01 |
| 1,2-Dichloroethane-d4 (Surrogate) | 95.2 | % | 76 - 114 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 22:52 | KEN | MS-V12 | 100 | BQJ0322 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | 91.7 | % | 76 - 114 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 04:51 | KEN | MS-V12 | 20 | BQJ0322 | | |
| Toluene-d8 (Surrogate) | 99.7 | % | 88 - 110 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 22:52 | KEN | MS-V12 | 100 | BQJ0322 | | |
| Toluene-d8 (Surrogate) | 98.8 | % | 88 - 110 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 04:51 | KEN | MS-V12 | 20 | BQJ0322 | | |
| 4-Bromofluorobenzene (Surrogate) | 99.5 | % | 86 - 115 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 22:52 | KEN | MS-V12 | 100 | BQJ0322 | | |
| 4-Bromofluorobenzene (Surrogate) | 97.5 | % | 86 - 115 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 04:51 | KEN | MS-V12 | 20 | BQJ0322 | | |

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# Volatile Organic Analysis (EPA Method 8260)

**BCL Sample ID:** 0711403-03 | **Client Sample Name:** 0752, MW-6, MW-6, 9/28/2007 9:20:00AM

| Constituent | Result | Units | PQL | MDL | Method | Prep Date | Run Date/Time | Analyst | Instrument ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 5.0 | | EPA-8260 | 10/05/07 | 10/07/07 00:04 | KEN | MS-V12 | 10 | BQJ0322 | ND | A01 |
| Ethylbenzene | ND | ug/L | 5.0 | | EPA-8260 | 10/05/07 | 10/07/07 00:04 | KEN | MS-V12 | 10 | BQJ0322 | ND | A01 |
| Methyl t-butyl ether | 1600 | ug/L | 10 | | EPA-8260 | 10/05/07 | 10/06/07 05:15 | KEN | MS-V12 | 20 | BQJ0322 | ND | A01 |
| Toluene | ND | ug/L | 5.0 | | EPA-8260 | 10/05/07 | 10/07/07 00:04 | KEN | MS-V12 | 10 | BQJ0322 | ND | A01 |
| Total Xylenes | ND | ug/L | 5.0 | | EPA-8260 | 10/05/07 | 10/07/07 00:04 | KEN | MS-V12 | 10 | BQJ0322 | ND | A01 |
| Ethanol | ND | ug/L | 2500 | | EPA-8260 | 10/05/07 | 10/07/07 00:04 | KEN | MS-V12 | 10 | BQJ0322 | ND | A01 |
| Total Purgeable Petroleum Hydrocarbons | 830 | ug/L | 500 | | EPA-8260 | 10/05/07 | 10/07/07 00:04 | KEN | MS-V12 | 10 | BQJ0322 | ND | A01,A90 |
| 1,2-Dichloroethane-d4 (Surrogate) | 89.7 | % | 76 - 114 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 05:15 | KEN | MS-V12 | 20 | BQJ0322 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | 104 | % | 76 - 114 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/07/07 00:04 | KEN | MS-V12 | 10 | BQJ0322 | | |
| Toluene-d8 (Surrogate) | 95.8 | % | 88 - 110 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 05:15 | KEN | MS-V12 | 20 | BQJ0322 | | |
| Toluene-d8 (Surrogate) | 98.9 | % | 88 - 110 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/07/07 00:04 | KEN | MS-V12 | 10 | BQJ0322 | | |
| 4-Bromofluorobenzene (Surrogate) | 103 | % | 86 - 115 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 05:15 | KEN | MS-V12 | 20 | BQJ0322 | | |
| 4-Bromofluorobenzene (Surrogate) | 101 | % | 86 - 115 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/07/07 00:04 | KEN | MS-V12 | 10 | BQJ0322 | | |

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# Volatile Organic Analysis (EPA Method 8260)

**BCL Sample ID:** 0711403-04 | **Client Sample Name:** 0752, MW-2, MW-2, 9/28/2007 7:12:00AM

| Constituent | Result | Units | PQL | MDL | Method | Prep Date | Run Date/Time | Analyst | Instrument ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | | EPA-8260 | 10/05/07 | 10/05/07 23:14 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| Ethylbenzene | ND | ug/L | 0.50 | | EPA-8260 | 10/05/07 | 10/05/07 23:14 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| Methyl t-butyl ether | ND | ug/L | 0.50 | | EPA-8260 | 10/05/07 | 10/05/07 23:14 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| Toluene | ND | ug/L | 0.50 | | EPA-8260 | 10/05/07 | 10/05/07 23:14 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| Total Xylenes | ND | ug/L | 0.50 | | EPA-8260 | 10/05/07 | 10/05/07 23:14 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| Ethanol | ND | ug/L | 250 | | EPA-8260 | 10/05/07 | 10/05/07 23:14 | KEN | MS-V12 | 1 | BQJ0322 | ND | V11 |
| Total Purgeable Petroleum Hydrocarbons | ND | ug/L | 50 | | EPA-8260 | 10/05/07 | 10/05/07 23:14 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| 1,2-Dichloroethane-d4 (Surrogate) | 96.7 | % | 76 - 114 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/05/07 23:14 | KEN | MS-V12 | 1 | BQJ0322 | | |
| Toluene-d8 (Surrogate) | 96.7 | % | 88 - 110 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/05/07 23:14 | KEN | MS-V12 | 1 | BQJ0322 | | |
| 4-Bromofluorobenzene (Surrogate) | 102 | % | 86 - 115 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/05/07 23:14 | KEN | MS-V12 | 1 | BQJ0322 | | |

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# Volatile Organic Analysis (EPA Method 8260)

**BCL Sample ID:** 0711403-05 | **Client Sample Name:** 0752, MW-1, MW-1, 9/28/2007 7:30:00AM

| Constituent | Result | Units | PQL | MDL | Method | Prep Date | Run Date/Time | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 0.50 | | EPA-8260 | 10/05/07 | 10/05/07 23:38 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| Ethylbenzene | ND | ug/L | 0.50 | | EPA-8260 | 10/05/07 | 10/05/07 23:38 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| Methyl t-butyl ether | 15 | ug/L | 0.50 | | EPA-8260 | 10/05/07 | 10/05/07 23:38 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| Toluene | ND | ug/L | 0.50 | | EPA-8260 | 10/05/07 | 10/05/07 23:38 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| Total Xylenes | ND | ug/L | 0.50 | | EPA-8260 | 10/05/07 | 10/05/07 23:38 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| Ethanol | ND | ug/L | 250 | | EPA-8260 | 10/05/07 | 10/05/07 23:38 | KEN | MS-V12 | 1 | BQJ0322 | ND | V11 |
| Total Purgeable Petroleum Hydrocarbons | 68 | ug/L | 50 | | EPA-8260 | 10/05/07 | 10/05/07 23:38 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| 1,2-Dichloroethane-d4 (Surrogate) | 91.4 | % | 76 - 114 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/05/07 23:38 | KEN | MS-V12 | 1 | BQJ0322 | | |
| Toluene-d8 (Surrogate) | 95.0 | % | 88 - 110 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/05/07 23:38 | KEN | MS-V12 | 1 | BQJ0322 | | |
| 4-Bromofluorobenzene (Surrogate) | 101 | % | 86 - 115 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/05/07 23:38 | KEN | MS-V12 | 1 | BQJ0322 | | |

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# Volatile Organic Analysis (EPA Method 8260)

**BCL Sample ID:** 0711403-06 | **Client Sample Name:** 0752, MW-5, MW-5, 9/28/2007 7:47:00AM

| Constituent | Result | Units | PQL | MDL | Method | Prep Date | Run Date/Time | Analyst | Instrument ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 13 | ug/L | 0.50 | | EPA-8260 | 10/04/07 | 10/05/07 00:02 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| Ethylbenzene | 2.3 | ug/L | 0.50 | | EPA-8260 | 10/04/07 | 10/05/07 00:02 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| Methyl t-butyl ether | 8.4 | ug/L | 0.50 | | EPA-8260 | 10/04/07 | 10/05/07 00:02 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| Toluene | 6.0 | ug/L | 0.50 | | EPA-8260 | 10/04/07 | 10/05/07 00:02 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| Total Xylenes | 15 | ug/L | 0.50 | | EPA-8260 | 10/04/07 | 10/05/07 00:02 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| Ethanol | ND | ug/L | 250 | | EPA-8260 | 10/04/07 | 10/05/07 00:02 | KEN | MS-V12 | 1 | BQJ0322 | ND | V11 |
| Total Purgeable Petroleum Hydrocarbons | 1300 | ug/L | 50 | | EPA-8260 | 10/04/07 | 10/05/07 00:02 | KEN | MS-V12 | 1 | BQJ0322 | ND | |
| 1,2-Dichloroethane-d4 (Surrogate) | 94.1 | % | 76 - 114 (LCL - UCL) | | EPA-8260 | 10/04/07 | 10/05/07 00:02 | KEN | MS-V12 | 1 | BQJ0322 | | |
| Toluene-d8 (Surrogate) | 98.0 | % | 88 - 110 (LCL - UCL) | | EPA-8260 | 10/04/07 | 10/05/07 00:02 | KEN | MS-V12 | 1 | BQJ0322 | | |
| 4-Bromofluorobenzene (Surrogate) | 103 | % | 86 - 115 (LCL - UCL) | | EPA-8260 | 10/04/07 | 10/05/07 00:02 | KEN | MS-V12 | 1 | BQJ0322 | | |







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Project Manager: Anju Farfan

**Reported:** 10/09/2007 15:26

# Volatile Organic Analysis (EPA Method 8260)

**BCL Sample ID:** 0711403-07 | **Client Sample Name:** 0752, MW-4, MW-4, 9/28/2007 8:07:00AM

| Constituent | Result | Units | PQL | MDL | Method | Prep Date | Run Date/Time | Analyst | Instrument ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | ug/L | 5.0 | | EPA-8260 | 10/05/07 | 10/06/07 23:16 | KEN | MS-V12 | 10 | BQJ0322 | ND | A01 |
| Ethylbenzene | ND | ug/L | 5.0 | | EPA-8260 | 10/05/07 | 10/06/07 23:16 | KEN | MS-V12 | 10 | BQJ0322 | ND | A01 |
| Methyl t-butyl ether | 1400 | ug/L | 10 | | EPA-8260 | 10/05/07 | 10/06/07 05:40 | KEN | MS-V12 | 20 | BQJ0322 | ND | A01 |
| Toluene | ND | ug/L | 5.0 | | EPA-8260 | 10/05/07 | 10/06/07 23:16 | KEN | MS-V12 | 10 | BQJ0322 | ND | A01 |
| Total Xylenes | ND | ug/L | 5.0 | | EPA-8260 | 10/05/07 | 10/06/07 23:16 | KEN | MS-V12 | 10 | BQJ0322 | ND | A01 |
| Ethanol | ND | ug/L | 2500 | | EPA-8260 | 10/05/07 | 10/06/07 23:16 | KEN | MS-V12 | 10 | BQJ0322 | ND | A01 |
| Total Purgeable Petroleum Hydrocarbons | 590 | ug/L | 500 | | EPA-8260 | 10/05/07 | 10/06/07 23:16 | KEN | MS-V12 | 10 | BQJ0322 | ND | A01,A90 |
| 1,2-Dichloroethane-d4 (Surrogate) | 102 | % | 76 - 114 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 23:16 | KEN | MS-V12 | 10 | BQJ0322 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | 91.7 | % | 76 - 114 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 05:40 | KEN | MS-V12 | 20 | BQJ0322 | | |
| Toluene-d8 (Surrogate) | 98.3 | % | 88 - 110 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 23:16 | KEN | MS-V12 | 10 | BQJ0322 | | |
| Toluene-d8 (Surrogate) | 97.6 | % | 88 - 110 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 05:40 | KEN | MS-V12 | 20 | BQJ0322 | | |
| 4-Bromofluorobenzene (Surrogate) | 96.9 | % | 86 - 115 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 05:40 | KEN | MS-V12 | 20 | BQJ0322 | | |
| 4-Bromofluorobenzene (Surrogate) | 97.9 | % | 86 - 115 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 23:16 | KEN | MS-V12 | 10 | BQJ0322 | | |







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Project: 0752
Project Number: [none]
Project Manager: Anju Farfan

**Reported:** 10/09/2007 15:26

# Volatile Organic Analysis (EPA Method 8260)

**BCL Sample ID:** 0711403-08 | **Client Sample Name:** 0752, MW-3, MW-3, 9/28/2007 8:25:00AM

| Constituent | Result | Units | PQL | MDL | Method | Prep Date | Run Date/Time | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 55 | ug/L | 50 | | EPA-8260 | 10/05/07 | 10/06/07 06:04 | KEN | MS-V12 | 100 | BQJ0322 | ND | A01 |
| Ethylbenzene | ND | ug/L | 50 | | EPA-8260 | 10/05/07 | 10/06/07 06:04 | KEN | MS-V12 | 100 | BQJ0322 | ND | A01 |
| Methyl t-butyl ether | 11000 | ug/L | 100 | | EPA-8260 | 10/05/07 | 10/06/07 23:40 | KEN | MS-V12 | 200 | BQJ0322 | ND | A01 |
| Toluene | ND | ug/L | 50 | | EPA-8260 | 10/05/07 | 10/06/07 06:04 | KEN | MS-V12 | 100 | BQJ0322 | ND | A01 |
| Total Xylenes | ND | ug/L | 50 | | EPA-8260 | 10/05/07 | 10/06/07 06:04 | KEN | MS-V12 | 100 | BQJ0322 | ND | A01 |
| Ethanol | ND | ug/L | 25000 | | EPA-8260 | 10/05/07 | 10/06/07 06:04 | KEN | MS-V12 | 100 | BQJ0322 | ND | A01,V11 |
| Total Purgeable Petroleum Hydrocarbons | 9000 | ug/L | 5000 | | EPA-8260 | 10/05/07 | 10/06/07 06:04 | KEN | MS-V12 | 100 | BQJ0322 | ND | A01,A90 |
| 1,2-Dichloroethane-d4 (Surrogate) | 99.6 | % | 76 - 114 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 23:40 | KEN | MS-V12 | 200 | BQJ0322 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | 89.7 | % | 76 - 114 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 06:04 | KEN | MS-V12 | 100 | BQJ0322 | | |
| Toluene-d8 (Surrogate) | 97.7 | % | 88 - 110 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 06:04 | KEN | MS-V12 | 100 | BQJ0322 | | |
| Toluene-d8 (Surrogate) | 97.3 | % | 88 - 110 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 23:40 | KEN | MS-V12 | 200 | BQJ0322 | | |
| 4-Bromofluorobenzene (Surrogate) | 99.9 | % | 86 - 115 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 06:04 | KEN | MS-V12 | 100 | BQJ0322 | | |
| 4-Bromofluorobenzene (Surrogate) | 97.1 | % | 86 - 115 (LCL - UCL) | | EPA-8260 | 10/05/07 | 10/06/07 23:40 | KEN | MS-V12 | 200 | BQJ0322 | | |







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TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: 0752
Project Number: [none]
Project Manager: Anju Farfan

**Reported:** 10/09/2007 15:26

# Volatile Organic Analysis (EPA Method 8260)

## Quality Control Report - Precision & Accuracy

| Constituent | Batch ID | QC Sample Type | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Percent Recovery | Control Limits RPD | Control Limits Percent Recovery | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | BQJ0322 | Matrix Spike | 0711415-01 | 0 | 33.030 | 25.000 | ug/L | | 132 | | 70 - 130 | Q03 |
| | | Matrix Spike Duplicate | 0711415-01 | 0 | 32.070 | 25.000 | ug/L | 3.1 | 128 | 20 | 70 - 130 | |
| Toluene | BQJ0322 | Matrix Spike | 0711415-01 | 0 | 28.820 | 25.000 | ug/L | | 115 | | 70 - 130 | |
| | | Matrix Spike Duplicate | 0711415-01 | 0 | 27.150 | 25.000 | ug/L | 5.4 | 109 | 20 | 70 - 130 | |
| 1,2-Dichloroethane-d4 (Surrogate) | BQJ0322 | Matrix Spike | 0711415-01 | ND | 9.6700 | 10.000 | ug/L | | 96.7 | | 76 - 114 | |
| | | Matrix Spike Duplicate | 0711415-01 | ND | 9.5600 | 10.000 | ug/L | | 95.6 | | 76 - 114 | |
| Toluene-d8 (Surrogate) | BQJ0322 | Matrix Spike | 0711415-01 | ND | 10.340 | 10.000 | ug/L | | 103 | | 88 - 110 | |
| | | Matrix Spike Duplicate | 0711415-01 | ND | 9.8000 | 10.000 | ug/L | | 98.0 | | 88 - 110 | |
| 4-Bromofluorobenzene (Surrogate) | BQJ0322 | Matrix Spike | 0711415-01 | ND | 10.000 | 10.000 | ug/L | | 100 | | 86 - 115 | |
| | | Matrix Spike Duplicate | 0711415-01 | ND | 10.180 | 10.000 | ug/L | | 102 | | 86 - 115 | |







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Project: 0752
Project Number: [none]
Project Manager: Anju Farfan

**Reported:** 10/09/2007 15:26

# Volatile Organic Analysis (EPA Method 8260)

## Quality Control Report - Laboratory Control Sample

| Constituent | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | BQJ0322 | BQJ0322-BS1 | LCS | 31.980 | 25.000 | 0.50 | ug/L | 128 | | 70 - 130 | | |
| Toluene | BQJ0322 | BQJ0322-BS1 | LCS | 27.040 | 25.000 | 0.50 | ug/L | 108 | | 70 - 130 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | BQJ0322 | BQJ0322-BS1 | LCS | 9.2200 | 10.000 | | ug/L | 92.2 | | 76 - 114 | | |
| Toluene-d8 (Surrogate) | BQJ0322 | BQJ0322-BS1 | LCS | 9.9200 | 10.000 | | ug/L | 99.2 | | 88 - 110 | | |
| 4-Bromofluorobenzene (Surrogate) | BQJ0322 | BQJ0322-BS1 | LCS | 10.240 | 10.000 | | ug/L | 102 | | 86 - 115 | | |

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Irvine, CA 92618-2302

Project: 0752
Project Number: [none]
Project Manager: Anju Farfan

**Reported:** 10/09/2007 15:26

# Volatile Organic Analysis (EPA Method 8260)

## Quality Control Report - Method Blank Analysis

| Constituent | Batch ID | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---|---|---|---|---|---|---|---|
| Benzene | BQJ0322 | BQJ0322-BLK1 | ND | ug/L | 0.50 | | |
| Ethylbenzene | BQJ0322 | BQJ0322-BLK1 | ND | ug/L | 0.50 | | |
| Methyl t-butyl ether | BQJ0322 | BQJ0322-BLK1 | ND | ug/L | 0.50 | | |
| Toluene | BQJ0322 | BQJ0322-BLK1 | ND | ug/L | 0.50 | | |
| Total Xylenes | BQJ0322 | BQJ0322-BLK1 | ND | ug/L | 1.0 | | |
| Ethanol | BQJ0322 | BQJ0322-BLK1 | ND | ug/L | 1000 | | |
| Total Purgeable Petroleum Hydrocarbons | BQJ0322 | BQJ0322-BLK1 | ND | ug/L | 50 | | |
| 1,2-Dichloroethane-d4 (Surrogate) | BQJ0322 | BQJ0322-BLK1 | 95.5 | % | 76 - 114 (LCL - UCL) | | |
| Toluene-d8 (Surrogate) | BQJ0322 | BQJ0322-BLK1 | 96.2 | % | 88 - 110 (LCL - UCL) | | |
| 4-Bromofluorobenzene (Surrogate) | BQJ0322 | BQJ0322-BLK1 | 99.3 | % | 86 - 115 (LCL - UCL) | | |

| | | |
|---|---|---|
| TRC Alton Geoscience | Project: 0752 | **Reported:** 10/09/2007 15:26 |
| 21 Technology Drive | Project Number: [none] | |
| Irvine, CA 92618-2302 | Project Manager: Anju Farfan | |

## Notes And Definitions

| | |
|---|---|
| MDL | Method Detection Limit |
| ND | Analyte Not Detected at or above the reporting limit |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| A01 | PQL's and MDL's are raised due to sample dilution. |
| A90 | TPPH does not exhibit a "gasoline" pattern. TPPH is entirely due to MTBE. |
| Q03 | Matrix spike recovery(s) is(are) not within the control limits. |
| V11 | The Continuing Calibration Verification (CCV) recovery is not within established control limits. |







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BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 10 01/21/04 Page __ Of __

**Submission #:** 07-11403 | **Project Code:** | **TB Batch #**

**SHIPPING INFORMATION**
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

**Refrigerant:** Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

**Custody Seals** Ice Chest ☐ Intact: Yes ☐ No ☐ Containers ☐ Intact: Yes ☐ No ☐ None ☑ Comments:

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

**COC Received** ☑ YES ☐ NO

Ice Chest ID B/W Emissivity 0.98
Temperature: 2.5 °C Container 300
Thermometer ID: #40

Date/Time 9/28/07
Analyst Init OTO

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT GENERAL MINERAL/ GENERAL PHYSICAL | | | | | | | | | | |
| PT PE UNPRESERVED | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| 100ml TOTAL ORGANIC CARBON | | | | | | | | | | |
| QT TOX | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | / | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | A3 | A3 | A3 | A3 | A3 | A3 | A3 | A3 | ( ) | ( ) |
| QT EPA 413.1, 413.2, 418.1 | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608/8080 | | | | | | | | | | |
| QT EPA 515.1/8150 | | | | | | | | | | |
| QT EPA 525 | | | | | | | | | | |
| QT EPA 525 TRAVEL BLANK | | | | | | | | | | |
| 100ml EPA 547 | | | | | | | | | | |
| 100ml EPA 531.1 | | | | | | | | | | |
| QT EPA 548 | | | | | | | | | | |
| QT EPA 549 | | | | | | | | | | |
| QT EPA 632 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT QA/QC | | | | | | | | | | |
| QT AMBER | | | | | | | | | | |
| 8 OZ. JAR | | | | | | | | | | |
| 32 OZ. JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |

Comments:
Sample Numbering Completed By: OTO Date/Time: 9/28/07 2000

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

CHK BY | DISTRIBUTION | SUB-OUT

**BC LABORATORIES, INC.**
4100 Atlas Court □ Bakersfield, CA 93308
(661) 327-4911 □ FAX (661) 327-1918

# CHAIN OF CUSTODY

07-11403

**Analysis Requested**

| | |
|---|---|
| **Bill to: Conoco Phillips/ TRC** | **Consultant Firm: TRC** |
| **Address:** 800 Harrison St. | **21 Techology Drive<br>Irvine, CA 92618-2302<br>Attn: Anju Farfan** |
| **City:** Oakland | **4-digit site#:** 0752<br>**Workorder #** 01086-4507870611 |
| **State: CA** **Zip:** | **Project #:** 125703 |
| **Conoco Phillips Mgr:** | **Sampler Name:** Alex M. |

MATRIX: (GW) Groundwater (S) Soil (WW) Wastewater (SL) Sludge

| Lab# | Sample Description | Field Point Name | Date & Time Sampled | MATRIX | BTEX/MTBE by 8021B, Gas by 8015 | TPH GAS by 8015M | TPH DIESEL by 8015 | 8260 full list w/ oxygenates | BTEX/MTBE/OXYS BY 8260B | ETHANOL by 8260B | TPH -G by GC/MS | BTEX/MTBE by 82608 | | | Turnaround Time Requested |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | -1 | MW-8 | 9/28/07 0845 | GW | | | | | | X | X | X | | | |
| | -2 | MW-7 | 0903 | | | | | | | | | | | | |
| | -3 | MW-6 | 0920 | | | | | | | | | | | | |
| | -4 | MW-2 | 0712 | | | | | | | | | | | | |
| | -5 | MW-1 | 0730 | | | | | | | | | | | | |
| | -6 | MW-5 | 0747 | | | | | | | | | | | | |
| | -7 | MW-4 | 0807 | | | | | | | | | | | | |
| | -8 | MW-3 | 0825 | | | | | | | | | | | | |

Comments:

GLOBAL ID: T0600101486

| Relinquished by: (Signature) | Received by: | Date & Time |
|---|---|---|
| | REFRIGRERATOR | 9/28/07 1122 |
| | Ross Dickey | 9/28/07 1305 |
| Ross Dickey 9/28/07 | | 9-28-07 1530 |

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE

Relinquished 9-28-07 1845 Teri Obaseni 9/28/07 1845

## STATEMENTS

### Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling of monitoring wells was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by a licensed carrier, 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 containing a significant amount of liquid-phase hydrocarbons was accumulated separately in drums for transportation and disposal by others.

### 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.