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Alameda County  
Environmental Health



76 Broadway  
Sacramento, California 95818

September 19, 2008

Barbara Jakub  
Alameda County Health Agency  
1131 Harbor Bay parkway, Suite250  
Alameda, California 94502-577

Re: **Quarterly Summary Report—Third Quarter 2008**  
**Former 76 Service Station # 7124**  
**10151 International Blvd.**  
**Oakland, CA**

Dear Ms. Jakub:

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 call me at (916) 558-7666.

Sincerely,

A handwritten signature in black ink, appearing to read "Terry L. Grayson", written over a large, light-colored oval shape.

Terry L. Grayson  
Site Manager  
Risk Management & Remediation



**Stantec**

**Stantec Consulting Corporation**  
3017 Kilgore Road Suite 100  
Rancho Cordova CA 95670  
Tel: (916) 861-0400  
Fax: (916) 861-0430

**Quarterly Summary Report - Third Quarter 2008  
Former 76 Service Station No. 7124  
10151 International Boulevard  
Oakland, California**

**Stantec Project No.:  
77CP.01634.41.0303**

**Submitted to:  
Ms. Barbara Jakub  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Oakland, California 94502**

*(Sent Via Electronic Upload to Alameda ftp)*

**Submitted by:  
Stantec Consulting Corporation  
3017 Kilgore Road, Suite 100  
Rancho Cordova, California 95670  
916-861-0400**

**Prepared on behalf of:  
ConocoPhillips Company  
Mr. Terry Grayson  
Site Manager  
76 Broadway Sacramento, California 95818**

**September 19, 2008**

## **INTRODUCTION**

On behalf of ConocoPhillips, Stantec Consulting Corporation (Stantec), is forwarding the quarterly summary report for the site located at 10151 International Boulevard, in Oakland, California.

## **SITE DESCRIPTION**

The site is currently an active Royal Gasoline Station located on the northwest corner of the intersection of International Boulevard and 102nd Avenue in Oakland, California. Site facilities include three underground storage tanks (USTs) and associated piping and fuel dispensers. A detailed site plan is included in TRC's *Quarterly Monitoring Report July through September 2008* dated July 28, 2008 (Attachment 1).

## **SITE GEOLOGY AND HYDROGEOLOGY**

As shown in the United States Geological Survey *Geologic Map and Map Database of the Oakland Metropolitan Area, Alameda, Contra Costa, and San Francisco Counties, California*, prepared in 2000, the site is underlain by Holocene-aged natural levee deposits, which overlay Holocene-aged alluvial fan and fluvial deposits. Based on assessment activities performed by Stantec in September 2008, the subsurface generally consists of silty sands to depths of 5 to 7 feet bgs, with a clay layer generally being encountered beneath the sand layer to depths of 12 to 15 feet bgs. Below this clay layer, the subsurface generally consists of interbedded silt and clay layers with occasional sand layers with thicknesses of up to three feet being observed. Copies of the bore logs will be included in a report documenting the recent assessment activities which will be issued by October 31, 2008.

As outlined in the California Department of Water Resources 2003 *California Groundwater: Bulletin 118*, the site lies within the East Bay Plain Subbasin of the Santa Clara Valley Groundwater Basin. The East Bay Plain Subbasin is a northwest trending alluvial plain of Quaternary Age bounded on the north by San Pablo Bay, on the east by the contact with Franciscan Basement rock, on the south by the Niles Cone Groundwater Basin. The East Bay Plain Subbasin extends beneath San Francisco Bay to the west.

## **PREVIOUS ASSESSMENT**

On March 22, 2000, SECOR supervised the removal and replacement of product lines and dispensers by Balch Petroleum of Milpitas, California. Soil samples collected from beneath the dispensers and product lines revealed the presence of total petroleum hydrocarbons as gasoline (TPHg) at a maximum concentration of 6,200 milligrams per kilogram (mg/kg), methyl tertiary butyl ether (MTBE) up to 120 mg/kg, and benzene up to 7.4 mg/kg. Excavation and sampling activities were observed and approved by Inspector Gomez of the City of Oakland Fire Services Agency.

On March 27, 2000, SECOR observed the over-excavation of approximately 60 cubic yards of soil from the beneath those portions of the dispensers and product lines where soil samples with elevated concentrations of petroleum hydrocarbons were located. Areas measuring approximately 8-10 feet long by 8-10 feet wide were over-excavated to an approximate depth of

8 feet below ground surface (bgs) in each of these areas. Additional over-excavation in these areas was not possible due to their proximity to the footings of the service station canopy. TPHg was detected in two of the three samples at a concentration of 108 mg/kg; benzene was detected in one of the three samples at 0.162 mg/kg; and MTBE was detected in all three samples at maximum concentrations of up to 43.8 mg/kg. Lead was not detected at or above laboratory reporting limits in any samples.

During February 2002, SECOR supervised the installation of four on-site groundwater monitoring wells. Prior to well installation, all borings were advanced to 26.5 feet bgs, and subsurface soil samples were collected every five feet. Soil samples were analyzed for gasoline range organics (GRO), benzene, toluene, ethylbenzene, total xylenes (BTEX), and fuel oxygenates via EPA Method 8260B. The maximum reported concentrations were 42 mg/kg GRO, 0.36 mg/kg ethylbenzene, 0.26 mg/kg xylenes, and 1.2 mg/kg MTBE.

### **SENSITIVE RECEPTORS**

During the third quarter of 2004, SECOR completed a ½-mile radius agency receptor survey and obtained an Environmental Data Resources Incorporated (EDR) radius map for the site. The agency survey identified two industrial supply wells, three cathodic protection wells, and two wells of unknown type within the search radius. The survey also identified twelve wells of unknown type that could not be located precisely because the available records did not include this information. These wells may or may not be located within the search radius. The EDR radius map did not identify any water supply wells within the search radius, but did identify two water supply wells within one mile of the site. Stantec is in the process of performing an updated sensitive receptor survey, including a review of California Department of Water Resources Well Completion Reports. A revised sensitive receptor discussion will be included in the report documenting recent site assessment activities, which will be issued by October 31, 2008.

### **MONITORING AND SAMPLING**

The site has been monitored and sampled since the third quarter 2002. Currently, four wells are monitored quarterly (MW-1 through MW-4). Samples are analyzed for TPHg, BTEX, and the fuel oxygenates tert-butyl alcohol (TBA), MTBE, di-isopropyl ether (DIPE), ethyl tert-butyl ether (EtBE), tert-amyl methyl ether (TAME), and ethanol, as well as, ethylene di-bromide (EDB) by EPA Method 8260B.

### **DISCUSSION**

During the third quarter 2008, depth to groundwater ranged between 16.70 and 18.55 feet below top of casing (toc). Historical groundwater depths have been reported between 15.11 and 18.02 feet below toc. The direction of groundwater flow was toward the west at a gradient of 0.01 foot/foot (Attachment 1). Historically, groundwater gradient flows to the west, southwest, and south, with a westerly gradient being the predominant direction.

The highest concentrations of TPHg and MTBE continue to be detected in on-site well MW-3 (historical highs of 130,000 µg/L and 10,000 µg/L, respectively, observed in 2003). This quarter, the maximum concentrations of TPHg and MTBE were reported in well MW-3 at 1,200 µg/L, and 91 µg/L, respectively (Attachment 1). The downgradient/crossgradient extent of the dissolved plume remains undefined by the existing monitoring well network.

### **CHARACTERIZATION STATUS**

None of the groundwater samples collected during the third quarter 2008 quarterly sampling event showed detectable levels of any BTEX components. The highest concentrations of residual TPHg and/or MTBE contamination are localized in the northeastern area of the site in the vicinity of MW-3. The extent of dissolved contamination is undefined in the downgradient (northwest) direction, but MTBE concentrations continue declining, and variable TBA levels in MW-4 may indicate active degradation of MTBE.

### **REMEDIATION STATUS**

Currently, there is no active remediation at this site.

### **CURRENT ASSESSMENT ACTIVITIES**

Stantec submitted a *Work Plan for Additional Site Assessment*, dated May 21, 2008 to the ACEHS. In a June 5, 2008 letter from the ACEHS, a work plan addendum proposing confirmation and delineation soil borings prior to well installation activities was requested. Stantec submitted a *Work Plan Addendum for Additional Site Assessment*, dated July 7, 2008 to the ACEHS. In a July 31, 2008 letter from the ACEHS, Stantec's *Work Plan Addendum for Additional Site Assessment* was deemed acceptable with several revisions.

Between September 3 and 5, 2008, Stantec staff were onsite to supervise the advancement of seven direct-push soil borings. A report documenting the site assessment activities will be prepared and submitted by October 31, 2008.

### **RECENT SUBMITTALS/CORRESPONDENCE**

Submitted – *Work Plan Addendum for Additional Site Assessment*, dated July 7, 2008.

Submitted – *Quarterly Summary and Monitoring Report – Second Quarter 2008*, dated July 21, 2008.

Received – ACEHS correspondence dated July 31, 2008.

**WASTE DISPOSAL SUMMARY**

The volume of purged groundwater generated and disposed of during the quarterly groundwater monitoring event is documented in TRC's *Quarterly Monitoring Report, July through September 2008*, dated July 28, 2008 (Attachment 1).

**THIS QUARTER ACTIVITIES (Third Quarter 2008)**

1. TRC performed quarterly groundwater monitoring and sampling event.
2. Stantec prepared and submitted a *Work Plan Addendum for Additional Site Assessment*.
3. Stantec performed additional site assessment activities.

**NEXT QUARTER ACTIVITIES (Fourth Quarter 2008)**

1. TRC to perform coordinated groundwater monitoring and sampling event.
2. Stantec to prepare and submit quarterly summary and monitoring report.
3. Stantec to prepare and submit a site assessment report.

**LIMITATIONS**

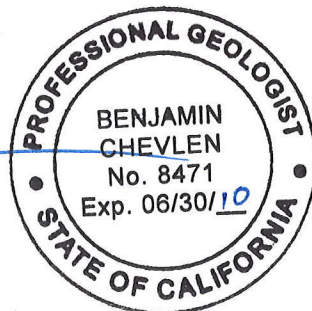
This report presents our understanding of existing conditions at the subject site located at 10151 International Boulevard, Oakland, California. Evaluations of the geologic conditions at the site for the purposes of this investigation are inherently limited due to the number of observation points. There are no representations, warranties, or guarantees that the points selected for sampling are representative of the entire site. Data from this report reflects the conditions at specific locations at a specific point in time. Stantec assumes no responsibility for work reported or performed by other consultants or contractors. Stantec makes no warranties or guarantees for the groundwater monitoring report (Attachment 1) prepared by TRC. No other interpretation, representations, warranties, guarantees, express or implied, are included or intended in the report findings.

Sincerely,

**Stantec Consulting Corporation**



Benjamin Chevlen P.G.  
Associate Geologist



Attachments:

Attachment 1 - TRC's *Quarterly Monitoring Report – July through September 2008* dated July 28, 2008.

cc: Mr. Terry Grayson, ConocoPhillips (via electronic upload to Livelink only)

**ATTACHMENT 1**  
**TRC'S QUARTERLY MONITORING REPORT**  
**JULY THROUGH SEPTEMBER 2008**

Quarterly Summary Report – Third Quarter 2008  
Former 76 Station 7124  
10151 International Boulevard  
Oakland, California





21 Technology Drive  
Irvine, CA 92618

949.727.9336 PHONE  
949.727.7399 FAX

www.TRCSolutions.com

DATE: July 28, 2008

TO: ConocoPhillips Company  
76 Broadway  
Sacramento, CA 95818

ATTN: MR. BILL BORGH

SITE: 76 STATION 7124  
10151 INTERNATIONAL BOULEVARD  
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT  
JULY THROUGH SEPTEMBER 2008

Dear Mr. Borgh:

Please find enclosed our Quarterly Monitoring Report for 76 Station 7124, located at 10151 International Boulevard, Oakland, California. If you have any questions regarding this report, please call us at (949) 727-9336.

Sincerely,

IRC

A handwritten signature in black ink, appearing to read "Anju Farfan".

Anju Farfan  
Groundwater Program Operations Manager

CC: Mr. Ben Chevlen, Stantec, Inc (2 copies)

Enclosures  
200400/7124R20QMS.doc

**QUARTERLY MONITORING REPORT  
JULY THROUGH SEPTEMBER 2008**

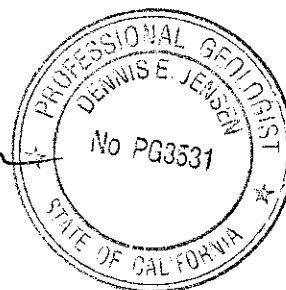
76 STATION 7124  
10151 International Boulevard  
Oakland, California

Prepared For:

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

By:

*Dennis Jensen*



Senior Project Geologist, Irvine Operations

Date: 7/28/08



## 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                           |
| Figures            | Figure 1: Vicinity Map<br>Figure 2: Groundwater Elevation Contour Map<br>Figure 2A: Groundwater Flow Direction Rose Diagram<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>MTBE 8260B Concentrations vs. Time   |
| Field Activities   | General Field Procedures<br>Field Monitoring Data Sheet – 07/02/08<br>Groundwater Sampling Field Notes – 07/02/08   |
| Laboratory Reports | Official Laboratory Reports<br>Quality Control Reports<br>Chain of Custody Records  |
| Statements         | Purge Water Disposal<br>Limitations   |

**Summary of Gauging and Sampling Activities  
July 2008 through September 2008  
76 Station 7124  
10151 International Boulevard  
Oakland, CA**

Project Coordinator: **Bill Borgh**  
Telephone: **916-558-7612**

Water Sampling Contractor: **TRC**  
Compiled by: **Christina Carrillo**

Date(s) of Gauging/Sampling Event: **07/02/08**

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**Sample Points**

Groundwater wells: **4** onsite, **0** offsite      Points gauged: **4**      Points sampled: **4**  
Purging method: **Submersible pump**  
Purge water disposal: **Veolia/Rodeo Unit 100**  
Other Sample Points: **0**      Type: **n/a**

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**Liquid Phase Hydrocarbons (LPH)**

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

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**Hydrogeologic Parameters**

Depth to groundwater (below TOC):      Minimum: **16.7 feet**      Maximum: **18.55 feet**  
Average groundwater elevation (relative to available local datum): **20.07 feet**  
Average change in groundwater elevation since previous event: **-0.50 feet**  
Interpreted groundwater gradient and flow direction:  
    Current event: **0.01 ft/ft, west**  
    Previous event: **0.01 ft/ft, west (04/04/08)**

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**Selected Laboratory Results**

Sample Points with detected **Benzene**: **0**      Sample Points above MCL (1.0 µg/l): **n/a**  
    Maximum reported benzene concentration: **n/a**

Sample Points with **TPH-G by GC/MS** **3**      Maximum: **1,200 µg/l (MW-3)**  
Sample Points with **MTBE 8260B** **3**      Maximum: **91 µg/l (MW-3)**

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**Notes:**

# TABLES

## TABLE KEY

### STANDARD ABBREVIATIONS

|       |   |   |
|-------|---|---|
| --    | = | not analyzed, measured, or collected                                |
| LPH   | = | liquid-phase hydrocarbons   |
| Trace | = | less than 0.01 foot of LPH in well                                  |
| ug/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   |
| ICE           | = | trichloroethene   |
| IPH-G         | = | total petroleum hydrocarbons with gasoline distinction                            |
| IPH-G (GC/MS) | = | total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B |
| IPH-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:  $\text{Surface Elevation} - \text{Measured Depth to Water} + (\text{Dp} \times \text{LPH Thickness})$ , where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures)
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.

### REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 7124 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

# Contents of Tables 1 and 2

## Site: 76 Station 7124

### Current Event

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

|                 |               |     |                    |                                 |                  |      |      |      |  |  |  |  |  |  |
|-----------------|---------------|-----|--------------------|---------------------------------|------------------|------|------|------|--|--|--|--|--|--|
| <b>Table 1a</b> | Well/<br>Date | TBA | Ethanol<br>(8260B) | Ethylene-<br>dibromide<br>(EDB) | 1,2-DCA<br>(EDC) | DIPE | ETBE | TAME |  |  |  |  |  |  |
|-----------------|---------------|-----|--------------------|---------------------------------|------------------|------|------|------|--|--|--|--|--|--|

### Historic Data

|                |               |                   |                  |                               |                        |                  |                  |         |         |                   |                  |                 |                 |          |
|----------------|---------------|-------------------|------------------|-------------------------------|------------------------|------------------|------------------|---------|---------|-------------------|------------------|-----------------|-----------------|----------|
| <b>Table 2</b> | Well/<br>Date | Depth to<br>Water | LPH<br>Thickness | Ground-<br>water<br>Elevation | Change in<br>Elevation | TPH-G<br>(8015M) | TPH-G<br>(GC/MS) | Benzene | Toluene | Ethyl-<br>benzene | Total<br>Xylenes | MTBE<br>(8021B) | MTBE<br>(8260B) | Comments |
|----------------|---------------|-------------------|------------------|-------------------------------|------------------------|------------------|------------------|---------|---------|-------------------|------------------|-----------------|-----------------|----------|

|                 |               |     |                    |                    |                                 |                  |      |      |      |  |  |  |  |  |
|-----------------|---------------|-----|--------------------|--------------------|---------------------------------|------------------|------|------|------|--|--|--|--|--|
| <b>Table 2a</b> | Well/<br>Date | TBA | Ethanol<br>(8015B) | Ethanol<br>(8260B) | Ethylene-<br>dibromide<br>(EDB) | 1,2-DCA<br>(EDC) | DIPE | ETBE | TAME |  |  |  |  |  |
|-----------------|---------------|-----|--------------------|--------------------|---------------------------------|------------------|------|------|------|--|--|--|--|--|

**Table 1**  
**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 2, 2008**  
**76 Station 7124**

| Date Sampled | TOC Elevation<br>(feet) | Depth to Water<br>(feet) | LPH Thickness<br>(feet) | Ground-water Elevation<br>(feet) | Change in Elevation<br>(feet) | TPH-G (8015M)<br>(µg/l) | TPH-G (GC/MS)<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethyl-benzene<br>(µg/l) | Total Xylenes<br>(µg/l) | MTBE (8021B)<br>(µg/l) | MTBE (8260B)<br>(µg/l) | Comments |
|--------------|-------------------------|--------------------------|-------------------------|----------------------------------|-------------------------------|-------------------------|-------------------------|-------------------|-------------------|-------------------------|-------------------------|------------------------|------------------------|----------|
| <b>MW-1</b>  |                         |                          |                         |                                  |                               |                         |                         |                   |                   |                         |                         |                        |                        |          |
| 07/02/08     | 37.37                   | 16.70                    | 0.00                    | 20.67                            | -0.53                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<0.50                |          |
| <b>MW-2</b>  |                         |                          |                         |                                  |                               |                         |                         |                   |                   |                         |                         |                        |                        |          |
| 07/02/08     | 37.87                   | 17.94                    | 0.00                    | 19.93                            | -0.48                         | --                      | 75                      | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 2.4                    |          |
| <b>MW-3</b>  |                         |                          |                         |                                  |                               |                         |                         |                   |                   |                         |                         |                        |                        |          |
| 07/02/08     | 37.72                   | 17.84                    | 0.00                    | 19.88                            | -0.54                         | --                      | 1200                    | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 91                     |          |
| <b>MW-4</b>  |                         |                          |                         |                                  |                               |                         |                         |                   |                   |                         |                         |                        |                        |          |
| 07/02/08     | 38.36                   | 18.55                    | 0.00                    | 19.81                            | -0.45                         | --                      | 340                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 3.3                    |          |



**Table 1 a**  
**ADDITIONAL CURRENT ANALYTICAL RESULTS**  
**76 Station 7124**

| Date Sampled | TBA    | Ethanol (8260B) | Ethylene-dibromide (EDB) | 1,2-DCA (EDC) | DIPE    | ETBE    | TAME    |
|--------------|--------|-----------------|--------------------------|---------------|---------|---------|---------|
|              | (µg/l) | (µg/l)          | (µg/l)                   | (µg/l)        | (µg/l)  | (µg/l)  | (µg/l)  |
| <b>MW-1</b>  |        |                 |                          |               |         |         |         |
| 07/02/08     | ND<10  | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| <b>MW-2</b>  |        |                 |                          |               |         |         |         |
| 07/02/08     | ND<10  | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| <b>MW-3</b>  |        |                 |                          |               |         |         |         |
| 07/02/08     | ND<10  | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| <b>MW-4</b>  |        |                 |                          |               |         |         |         |
| 07/02/08     | 15     | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**April 2002 Through July 2008**  
**76 Station 7124**

| Date Sampled | TOC Elevation<br>(feet) | Depth to Water<br>(feet) | LPH Thickness<br>(feet) | Ground-water Elevation<br>(feet) | Change in Elevation<br>(feet) | TPH-G (8015M)<br>(µg/l) | TPH-G (GC/MS)<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethyl-benzene<br>(µg/l) | Total Xylenes<br>(µg/l) | MTBE (8021B)<br>(µg/l) | MTBE (8260B)<br>(µg/l) | Comments |
|--------------|-------------------------|--------------------------|-------------------------|----------------------------------|-------------------------------|-------------------------|-------------------------|-------------------|-------------------|-------------------------|-------------------------|------------------------|------------------------|----------|
| <b>MW-1</b>  |                         |                          |                         |                                  |                               |                         |                         |                   |                   |                         |                         |                        |                        |          |
| 04/08/02     | 37.37                   | 14.27                    | 0.00                    | 23.10                            | --                            | ND<50                   | --                      | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | ND<2.5                 | ND<2.0                 |          |
| 07/28/02     | 37.37                   | 15.88                    | 0.00                    | 21.49                            | -1.61                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<2.0                 |          |
| 11/03/02     | 37.37                   | 16.75                    | 0.00                    | 20.62                            | -0.87                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<2.0                 |          |
| 01/24/03     | 37.37                   | 13.94                    | 0.00                    | 23.43                            | 2.81                          | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<2.0                 |          |
| 04/02/03     | 37.37                   | 14.99                    | 0.00                    | 22.38                            | -1.05                         | --                      | 460                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<2.0                 |          |
| 07/01/03     | 37.37                   | 15.48                    | 0.00                    | 21.89                            | -0.49                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<2.0                 |          |
| 10/02/03     | 37.37                   | 16.68                    | 0.00                    | 20.69                            | -1.20                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<2.0                 |          |
| 01/09/04     | 37.37                   | 13.79                    | 0.00                    | 23.58                            | 2.89                          | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1                    | --                     | ND<2                   |          |
| 04/26/04     | 37.37                   | 15.21                    | 0.00                    | 22.16                            | -1.42                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<0.50                |          |
| 07/22/04     | 37.37                   | 16.43                    | 0.00                    | 20.94                            | -1.22                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<0.50                |          |
| 10/29/04     | 37.37                   | 16.14                    | 0.00                    | 21.23                            | 0.29                          | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<0.50                |          |
| 01/12/05     | 37.37                   | 12.83                    | 0.00                    | 24.54                            | 3.31                          | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<0.50                |          |
| 06/20/05     | 37.37                   | 14.38                    | 0.00                    | 22.99                            | -1.55                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<0.50                |          |
| 09/23/05     | 37.37                   | 15.92                    | 0.00                    | 21.45                            | -1.54                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<0.50                |          |
| 12/13/05     | 37.37                   | 16.09                    | 0.00                    | 21.28                            | -0.17                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<0.50                |          |
| 03/24/06     | 37.37                   | 11.85                    | 0.00                    | 25.52                            | 4.24                          | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<0.50                |          |
| 05/30/06     | 37.37                   | 13.30                    | 0.00                    | 24.07                            | -1.45                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<0.50                |          |
| 08/22/06     | 37.37                   | 15.11                    | 0.00                    | 22.26                            | -1.81                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | ND<0.50                |          |
| 10/31/06     | 37.37                   | 16.11                    | 0.00                    | 21.26                            | -1.00                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | ND<0.50                |          |
| 01/12/07     | 37.37                   | 15.55                    | 0.00                    | 21.82                            | 0.56                          | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | ND<0.50                |          |
| 04/04/07     | 37.37                   | 15.31                    | 0.00                    | 22.06                            | 0.24                          | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | ND<0.50                |          |
| 07/05/07     | 37.37                   | 16.21                    | 0.00                    | 21.16                            | -0.90                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | ND<0.50                |          |
| 10/01/07     | 37.37                   | 17.13                    | 0.00                    | 20.24                            | -0.92                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | ND<0.50                |          |

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**April 2002 Through July 2008**  
**76 Station 7124**

| Date Sampled          | TOC Elevation<br>(feet) | Depth to Water<br>(feet) | LPH Thickness<br>(feet) | Ground-water Elevation<br>(feet) | Change in Elevation<br>(feet) | TPH-G (8015M)<br>(µg/l) | TPH-G (GC/MS)<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethyl-benzene<br>(µg/l) | Total Xylenes<br>(µg/l) | MTBE (8021B)<br>(µg/l) | MTBE (8260B)<br>(µg/l) | Comments             |
|-----------------------|-------------------------|--------------------------|-------------------------|----------------------------------|-------------------------------|-------------------------|-------------------------|-------------------|-------------------|-------------------------|-------------------------|------------------------|------------------------|----------------------|
| <b>MW-1 continued</b> |                         |                          |                         |                                  |                               |                         |                         |                   |                   |                         |                         |                        |                        |                      |
| 01/11/08              | 37.37                   | 14.48                    | 0.00                    | 22.89                            | 2.65                          | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<0.50                |                      |
| 04/04/08              | 37.37                   | 16.17                    | 0.00                    | 21.20                            | -1.69                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<0.50                | Gauged on 5-22-08    |
| 07/02/08              | 37.37                   | 16.70                    | 0.00                    | 20.67                            | -0.53                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | ND<0.50                |                      |
| <b>MW-2</b>           |                         |                          |                         |                                  |                               |                         |                         |                   |                   |                         |                         |                        |                        |                      |
| 04/08/02              | 37.87                   | 15.86                    | 0.00                    | 22.01                            | --                            | 4400                    | --                      | ND<2.5            | ND<2.5            | 6.4                     | ND<2.5                  | 380                    | 490                    |                      |
| 07/28/02              | 37.87                   | 17.28                    | 0.00                    | 20.59                            | -1.42                         | --                      | 3200                    | ND<2.5            | ND<2.5            | ND<2.5                  | ND<5.0                  | --                     | 170                    |                      |
| 11/03/02              | 37.87                   | 18.03                    | 0.00                    | 19.84                            | -0.75                         | --                      | 3800                    | ND<5.0            | ND<5.0            | ND<5.0                  | ND<10                   | --                     | 72                     |                      |
| 01/24/03              | 37.87                   | 15.59                    | 0.00                    | 22.28                            | 2.44                          | --                      | 410                     | ND<2.5            | ND<2.5            | ND<2.5                  | ND<5.0                  | --                     | 490                    |                      |
| 04/02/03              | 37.87                   | 16.50                    | 0.00                    | 21.37                            | -0.91                         | --                      | 1000                    | ND<5.0            | ND<5.0            | ND<5.0                  | ND<10                   | --                     | 180                    |                      |
| 07/01/03              | 37.87                   | 16.94                    | 0.00                    | 20.93                            | -0.44                         | --                      | 1900                    | ND<2.5            | ND<2.5            | ND<2.5                  | ND<5.0                  | --                     | 120                    |                      |
| 10/02/03              | 37.87                   | 17.93                    | 0.00                    | 19.94                            | -0.99                         | --                      | 6900                    | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 32                     |                      |
| 01/09/04              | 37.87                   | 15.42                    | 0.00                    | 22.45                            | 2.51                          | --                      | 1000                    | ND<2.5            | ND<2.5            | ND<2.5                  | ND<5.0                  | --                     | 300                    |                      |
| 04/26/04              | 37.87                   | --                       | --                      | --                               | --                            | --                      | --                      | --                | --                | --                      | --                      | --                     | --                     | Covered with asphalt |
| 07/22/04              | 37.87                   | --                       | --                      | --                               | --                            | --                      | --                      | --                | --                | --                      | --                      | --                     | --                     | Covered with asphalt |
| 10/29/04              | 37.87                   | --                       | 0.00                    | --                               | --                            | --                      | --                      | --                | --                | --                      | --                      | --                     | --                     | Well is paved over.  |
| 01/12/05              | 37.87                   | --                       | --                      | --                               | --                            | --                      | --                      | --                | --                | --                      | --                      | --                     | --                     | Well was paved over. |
| 06/20/05              | 37.87                   | 15.94                    | 0.00                    | 21.93                            | --                            | --                      | 120                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 46                     |                      |
| 09/23/05              | 37.87                   | 17.29                    | 0.00                    | 20.58                            | -1.35                         | --                      | 120                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 10                     |                      |
| 12/13/05              | 37.87                   | 17.41                    | 0.00                    | 20.46                            | -0.12                         | --                      | ND<50                   | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 11                     |                      |
| 03/24/06              | 37.87                   | 13.77                    | 0.00                    | 24.10                            | 3.64                          | --                      | 190                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 15                     |                      |
| 05/30/06              | 37.87                   | 15.16                    | 0.00                    | 22.71                            | -1.39                         | --                      | 120                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 6.6                    |                      |
| 08/22/06              | 37.87                   | 16.49                    | 0.00                    | 21.38                            | -1.33                         | --                      | 81                      | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 3.0                    |                      |
| 10/31/06              | 37.87                   | 17.15                    | 0.00                    | 20.72                            | -0.66                         | --                      | 93                      | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 2.0                    |                      |
| 01/12/07              | 37.87                   | 17.07                    | 0.00                    | 20.80                            | 0.08                          | --                      | 230                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 4.3                    |                      |

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**April 2002 Through July 2008**  
**76 Station 7124**

| Date Sampled          | TOC Elevation<br>(feet) | Depth to Water<br>(feet) | LPH Thickness<br>(feet) | Ground-water Elevation<br>(feet) | Change in Elevation<br>(feet) | TPH-G (8015M)<br>(µg/l) | TPH-G (GC/MS)<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethyl-benzene<br>(µg/l) | Total Xylenes<br>(µg/l) | MTBE (8021B)<br>(µg/l) | MTBE (8260B)<br>(µg/l) | Comments                      |
|-----------------------|-------------------------|--------------------------|-------------------------|----------------------------------|-------------------------------|-------------------------|-------------------------|-------------------|-------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------------|
| <b>MW-2 continued</b> |                         |                          |                         |                                  |                               |                         |                         |                   |                   |                         |                         |                        |                        |                               |
| 04/04/07              | 37.87                   | 17.84                    | 0.00                    | 20.03                            | -0.77                         | --                      | 110                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 2.5                    |                               |
| 07/05/07              | 37.87                   | 17.51                    | 0.00                    | 20.36                            | 0.33                          | --                      | 150                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 2.6                    |                               |
| 10/01/07              | 37.87                   | 18.25                    | 0.00                    | 19.62                            | -0.74                         | --                      | 160                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 2.0                    |                               |
| 01/11/08              | 37.87                   | 16.80                    | 0.00                    | 21.07                            | 1.45                          | --                      | 130                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 7.7                    |                               |
| 05/22/08              | 37.87                   | 17.46                    | 0.00                    | 20.41                            | -0.66                         | --                      | 140                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 4.2                    | Gauged and sampled on 5-22-08 |
| 07/02/08              | 37.87                   | 17.94                    | 0.00                    | 19.93                            | -0.48                         | --                      | 75                      | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 2.4                    |                               |
| <b>MW-3</b>           |                         |                          |                         |                                  |                               |                         |                         |                   |                   |                         |                         |                        |                        |                               |
| 04/08/02              | 37.72                   | 15.86                    | 0.00                    | 21.86                            | --                            | 8700                    | --                      | 65                | ND<25             | 400                     | ND<25                   | 6500                   | 8300                   |                               |
| 07/28/02              | 37.72                   | 17.22                    | 0.00                    | 20.50                            | -1.36                         | --                      | 4500                    | ND<25             | ND<25             | ND<25                   | ND<50                   | --                     | 1100                   |                               |
| 11/03/02              | 37.72                   | 17.90                    | 0.00                    | 19.82                            | -0.68                         | --                      | 25000                   | ND<5.0            | ND<5.0            | 25                      | ND<10                   | --                     | 470                    |                               |
| 01/24/03              | 37.72                   | 15.57                    | 0.00                    | 22.15                            | 2.33                          | --                      | 6000                    | ND<25             | ND<25             | 94                      | ND<50                   | --                     | 10000                  |                               |
| 04/02/03              | 37.72                   | 16.45                    | 0.00                    | 21.27                            | -0.88                         | --                      | 130000                  | ND<100            | ND<100            | ND<100                  | ND<200                  | --                     | 4400                   |                               |
| 07/01/03              | 37.72                   | 16.88                    | 0.00                    | 20.84                            | -0.43                         | --                      | 9400                    | ND<10             | ND<10             | ND<10                   | ND<20                   | --                     | 2200                   |                               |
| 10/02/03              | 37.72                   | 17.85                    | 0.00                    | 19.87                            | -0.97                         | --                      | 73000                   | ND<50             | ND<50             | ND<50                   | ND<100                  | --                     | 460                    |                               |
| 01/09/04              | 37.72                   | 15.31                    | 0.00                    | 22.41                            | 2.54                          | --                      | 8700                    | ND<25             | ND<25             | 98                      | ND<50                   | --                     | 3800                   |                               |
| 04/26/04              | 37.72                   | 16.62                    | 0.00                    | 21.10                            | -1.31                         | --                      | 6700                    | ND<25             | ND<25             | ND<25                   | ND<50                   | --                     | 3900                   |                               |
| 07/22/04              | 37.72                   | 17.62                    | 0.00                    | 20.10                            | -1.00                         | --                      | 13000                   | ND<25             | ND<25             | ND<25                   | ND<50                   | --                     | 980                    |                               |
| 10/29/04              | 37.72                   | 17.29                    | 0.00                    | 20.43                            | 0.33                          | --                      | 4600                    | ND<5.0            | ND<5.0            | 13                      | ND<10                   | --                     | 640                    |                               |
| 01/12/05              | 37.72                   | 14.64                    | 0.00                    | 23.08                            | 2.65                          | --                      | 6100                    | 0.88              | 0.99              | 30                      | 2.2                     | --                     | 6900                   |                               |
| 06/20/05              | 37.72                   | 15.91                    | 0.00                    | 21.81                            | -1.27                         | --                      | 1900                    | ND<0.50           | 0.21J             | 0.52                    | 0.46J                   | --                     | 960                    |                               |
| 09/23/05              | 37.72                   | 17.20                    | 0.00                    | 20.52                            | -1.29                         | --                      | 2400                    | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 160                    |                               |
| 12/13/05              | 37.72                   | 17.32                    | 0.00                    | 20.40                            | -0.12                         | --                      | 2100                    | ND<2.5            | ND<2.5            | ND<2.5                  | ND<5.0                  | --                     | 340                    |                               |
| 03/24/06              | 37.72                   | 13.86                    | 0.00                    | 23.86                            | 3.46                          | --                      | 2200                    | ND<5.0            | ND<5.0            | ND<5.0                  | ND<10                   | --                     | 970                    |                               |

**Table 2**  
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**April 2002 Through July 2008**  
**76 Station 7124**

| Date Sampled          | TOC Elevation<br>(feet) | Depth to Water<br>(feet) | LPH Thickness<br>(feet) | Ground-water Elevation<br>(feet) | Change in Elevation<br>(feet) | TPH-G (8015M)<br>(µg/l) | TPH-G (GC/MS)<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethyl-benzene<br>(µg/l) | Total Xylenes<br>(µg/l) | MTBE (8021B)<br>(µg/l) | MTBE (8260B)<br>(µg/l) | Comments          |
|-----------------------|-------------------------|--------------------------|-------------------------|----------------------------------|-------------------------------|-------------------------|-------------------------|-------------------|-------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------|
| <b>MW-3 continued</b> |                         |                          |                         |                                  |                               |                         |                         |                   |                   |                         |                         |                        |                        |                   |
| 05/30/06              | 37.72                   | 15.69                    | 0.00                    | 22.03                            | -1.83                         | --                      | 1500                    | ND<12             | ND<12             | ND<12                   | ND<25                   | --                     | 760                    |                   |
| 08/22/06              | 37.72                   | 16.51                    | 0.00                    | 21.21                            | -0.82                         | --                      | 1900                    | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 160                    |                   |
| 10/31/06              | 37.72                   | 17.36                    | 0.00                    | 20.36                            | -0.85                         | --                      | 2200                    | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 58                     |                   |
| 01/12/07              | 37.72                   | 16.85                    | 0.00                    | 20.87                            | 0.51                          | --                      | 2600                    | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 680                    |                   |
| 04/04/07              | 37.72                   | 16.62                    | 0.00                    | 21.10                            | 0.23                          | --                      | 1700                    | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 650                    |                   |
| 07/05/07              | 37.72                   | 17.42                    | 0.00                    | 20.30                            | -0.80                         | --                      | 2400                    | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 160                    |                   |
| 10/01/07              | 37.72                   | 18.16                    | 0.00                    | 19.56                            | -0.74                         | --                      | 1700                    | ND<1.0            | ND<1.0            | ND<1.0                  | ND<1.0                  | --                     | 87                     |                   |
| 01/11/08              | 37.72                   | 15.84                    | 0.00                    | 21.88                            | 2.32                          | --                      | 2200                    | ND<0.50           | ND<0.50           | 1.6                     | ND<1.0                  | --                     | 1300                   |                   |
| 04/04/08              | 37.72                   | 17.30                    | 0.00                    | 20.42                            | -1.46                         | --                      | 1600                    | ND<1.0            | ND<1.0            | ND<1.0                  | ND<2.0                  | --                     | 470                    | Gauged on 5-22-08 |
| 07/02/08              | 37.72                   | 17.84                    | 0.00                    | 19.88                            | -0.54                         | --                      | 1200                    | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 91                     |                   |
| <b>MW-4</b>           |                         |                          |                         |                                  |                               |                         |                         |                   |                   |                         |                         |                        |                        |                   |
| 04/08/02              | 38.36                   | 16.59                    | 0.00                    | 21.77                            | --                            | 13000                   | --                      | ND<5.0            | ND<5.0            | 28                      | ND<5.0                  | 790                    | 980                    |                   |
| 07/28/02              | 38.36                   | 17.93                    | 0.00                    | 20.43                            | -1.34                         | --                      | 18000                   | ND<2.5            | ND<2.5            | ND<2.5                  | ND<5.0                  | --                     | 170                    |                   |
| 11/03/02              | 38.36                   | 18.66                    | 0.00                    | 19.70                            | -0.73                         | --                      | 220                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 5.7                    |                   |
| 01/24/03              | 38.36                   | 16.27                    | 0.00                    | 22.09                            | 2.39                          | --                      | ND<1000                 | ND<10             | ND<10             | ND<10                   | ND<20                   | --                     | 1000                   |                   |
| 04/02/03              | 38.36                   | 17.19                    | 0.00                    | 21.17                            | -0.92                         | --                      | 130000                  | ND<100            | ND<100            | ND<100                  | ND<200                  | --                     | ND<400                 |                   |
| 07/01/03              | 38.36                   | 17.61                    | 0.00                    | 20.75                            | -0.42                         | --                      | 15000                   | ND<2.5            | ND<2.5            | ND<2.5                  | ND<5.0                  | --                     | 170                    |                   |
| 10/02/03              | 38.36                   | 18.58                    | 0.00                    | 19.78                            | -0.97                         | --                      | 7100                    | ND<10             | ND<10             | ND<10                   | ND<20                   | --                     | 70                     |                   |
| 01/09/04              | 38.36                   | 16.15                    | 0.00                    | 22.21                            | 2.43                          | --                      | 18000                   | ND<10             | ND<10             | ND<10                   | ND<20                   | --                     | 530                    |                   |
| 04/26/04              | 38.36                   | 17.20                    | 0.00                    | 21.16                            | -1.05                         | --                      | 6500                    | ND<10             | ND<10             | ND<10                   | ND<20                   | --                     | 240                    |                   |
| 07/22/04              | 38.36                   | 18.34                    | 0.00                    | 20.02                            | -1.14                         | --                      | 18000                   | ND<10             | ND<10             | ND<10                   | ND<20                   | --                     | 48                     |                   |
| 10/29/04              | 38.36                   | 18.13                    | 0.00                    | 20.23                            | 0.21                          | --                      | 2700                    | ND<2.5            | ND<2.5            | ND<2.5                  | ND<5.0                  | --                     | 76                     |                   |
| 01/12/05              | 38.36                   | 15.22                    | 0.00                    | 23.14                            | 2.91                          | --                      | 1300                    | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 620                    |                   |
| 06/20/05              | 38.36                   | 16.63                    | 0.00                    | 21.73                            | -1.41                         | --                      | 980                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 110                    |                   |

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**April 2002 Through July 2008**  
**76 Station 7124**

| Date Sampled          | TOC Elevation<br>(feet) | Depth to Water<br>(feet) | LPH Thickness<br>(feet) | Ground-water Elevation<br>(feet) | Change in Elevation<br>(feet) | TPH-G (8015M)<br>(µg/l) | TPH-G (GC/MS)<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethyl-benzene<br>(µg/l) | Total Xylenes<br>(µg/l) | MTBE (8021B)<br>(µg/l) | MTBE (8260B)<br>(µg/l) | Comments                      |
|-----------------------|-------------------------|--------------------------|-------------------------|----------------------------------|-------------------------------|-------------------------|-------------------------|-------------------|-------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------------|
| <b>MW-4 continued</b> |                         |                          |                         |                                  |                               |                         |                         |                   |                   |                         |                         |                        |                        |                               |
| 09/23/05              | 38.36                   | 17.93                    | 0.00                    | 20.43                            | -1.30                         | --                      | 1500                    | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 34                     |                               |
| 12/13/05              | 38.36                   | 18.04                    | 0.00                    | 20.32                            | -0.11                         | --                      | 3900                    | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 36                     |                               |
| 03/24/06              | 38.36                   | 14.48                    | 0.00                    | 23.88                            | 3.56                          | --                      | 1500                    | ND<12             | ND<12             | ND<12                   | ND<25                   | --                     | 200                    |                               |
| 05/30/06              | 38.36                   | 15.79                    | 0.00                    | 22.57                            | -1.31                         | --                      | 1200                    | ND<2.5            | ND<2.5            | ND<2.5                  | ND<5.0                  | --                     | 130                    |                               |
| 08/22/06              | 38.36                   | 17.26                    | 0.00                    | 21.10                            | -1.47                         | --                      | 980                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 33                     |                               |
| 10/31/06              | 38.36                   | 18.08                    | 0.00                    | 20.28                            | -0.82                         | --                      | 1300                    | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 10                     |                               |
| 01/12/07              | 38.36                   | 17.57                    | 0.00                    | 20.79                            | 0.51                          | --                      | 820                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 28                     |                               |
| 04/04/07              | 38.36                   | 17.40                    | 0.00                    | 20.96                            | 0.17                          | --                      | 460                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 41                     |                               |
| 07/05/07              | 38.36                   | 18.02                    | 0.00                    | 20.34                            | -0.62                         | --                      | 920                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 7.0                    |                               |
| 10/01/07              | 38.36                   | 18.89                    | 0.00                    | 19.47                            | -0.87                         | --                      | 560                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<0.50                 | --                     | 3.0                    |                               |
| 01/11/08              | 38.36                   | 16.56                    | 0.00                    | 21.80                            | 2.33                          | --                      | 340                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 21                     |                               |
| 05/22/08              | 38.36                   | 18.10                    | 0.00                    | 20.26                            | -1.54                         | --                      | 520                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 5.6                    | Gauged and sampled on 5-22-08 |
| 07/02/08              | 38.36                   | 18.55                    | 0.00                    | 19.81                            | -0.45                         | --                      | 340                     | ND<0.50           | ND<0.50           | ND<0.50                 | ND<1.0                  | --                     | 3.3                    |                               |

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 7124**

| Date Sampled | TBA<br>(µg/l) | Ethanoi<br>(8015B)<br>(mg/l) | Ethanoi<br>(8260B)<br>(µg/l) | Ethylene-<br>dibromide<br>(EDB)<br>(µg/l) | 1,2-DCA<br>(EDC)<br>(µg/l) | DIPE<br>(µg/l) | ETBE<br>(µg/l) | TAME<br>(µg/l) |
|--------------|---------------|------------------------------|------------------------------|---|----------------------------|----------------|----------------|----------------|
| <b>MW-1</b>  |               |                              |                              |   |                            |                |                |                |
| 07/28/02     | ND<100        | ND<500                       | --                           | ND<2.0                                    | ND<2.0                     | ND<2.0         | ND<2.0         | ND<2.0         |
| 11/03/02     | ND<100        | ND<500                       | --                           | ND<2.0                                    | ND<2.0                     | ND<2.0         | ND<2.0         | ND<2.0         |
| 01/24/03     | ND<100        | ND<500                       | --                           | ND<2.0                                    | ND<2.0                     | ND<2.0         | ND<2.0         | ND<2.0         |
| 04/02/03     | ND<100        | ND<500                       | --                           | ND<2.0                                    | ND<2.0                     | ND<2.0         | ND<2.0         | ND<2.0         |
| 07/01/03     | ND<100        | ND<500                       | --                           | ND<2.0                                    | ND<2.0                     | ND<2.0         | ND<2.0         | ND<2.0         |
| 10/02/03     | ND<100        | --                           | ND<500                       | ND<2.0                                    | ND<2.0                     | ND<2.0         | ND<2.0         | ND<2.0         |
| 01/09/04     | ND<100        | --                           | ND<500                       | ND<2                                      | ND<2.0                     | ND<2           | ND<2           | ND<2           |
| 04/26/04     | ND<5.0        | --                           | ND<50                        | ND<0.50                                   | ND<0.50                    | ND<1.0         | ND<0.50        | ND<0.50        |
| 07/22/04     | ND<5.0        | --                           | ND<50                        | ND<0.50                                   | ND<0.50                    | ND<1.0         | ND<0.50        | ND<0.50        |
| 10/29/04     | ND<5.0        | --                           | ND<50                        | ND<0.50                                   | ND<0.50                    | ND<1.0         | ND<0.50        | ND<0.50        |
| 01/12/05     | ND<5.0        | --                           | ND<50                        | ND<0.50                                   | ND<0.50                    | ND<1.0         | ND<0.50        | ND<0.50        |
| 06/20/05     | ND<10         | --                           | ND<1000                      | ND<0.50                                   | ND<0.50                    | ND<0.50        | ND<0.50        | ND<0.50        |
| 09/23/05     | ND<10         | --                           | ND<1000                      | ND<0.50                                   | ND<0.50                    | ND<0.50        | ND<0.50        | ND<0.50        |
| 12/13/05     | ND<10         | --                           | ND<250                       | ND<0.50                                   | ND<0.50                    | ND<0.50        | ND<0.50        | ND<0.50        |
| 03/24/06     | ND<10         | --                           | ND<250                       | ND<0.50                                   | ND<0.50                    | ND<0.50        | ND<0.50        | ND<0.50        |
| 05/30/06     | ND<10         | --                           | ND<250                       | ND<0.50                                   | ND<0.50                    | ND<0.50        | ND<0.50        | ND<0.50        |
| 08/22/06     | ND<10         | --                           | ND<250                       | ND<0.50                                   | ND<0.50                    | ND<0.50        | ND<0.50        | ND<0.50        |
| 10/31/06     | ND<10         | --                           | ND<250                       | ND<0.50                                   | ND<0.50                    | ND<0.50        | ND<0.50        | ND<0.50        |
| 01/12/07     | ND<10         | --                           | ND<250                       | ND<0.50                                   | ND<0.50                    | ND<0.50        | ND<0.50        | ND<0.50        |
| 04/04/07     | ND<10         | --                           | ND<250                       | ND<0.50                                   | ND<0.50                    | ND<0.50        | ND<0.50        | ND<0.50        |
| 07/05/07     | ND<10         | --                           | ND<250                       | ND<0.50                                   | ND<0.50                    | ND<0.50        | ND<0.50        | ND<0.50        |
| 10/01/07     | ND<10         | --                           | ND<250                       | ND<0.50                                   | ND<0.50                    | ND<0.50        | ND<0.50        | ND<0.50        |
| 01/11/08     | ND<10         | --                           | ND<250                       | ND<0.50                                   | ND<0.50                    | ND<0.50        | ND<0.50        | ND<0.50        |
| 04/04/08     | ND<10         | --                           | ND<250                       | ND<0.50                                   | ND<0.50                    | ND<0.50        | ND<0.50        | ND<0.50        |
| 07/02/08     | ND<10         | --                           | ND<250                       | ND<0.50                                   | ND<0.50                    | ND<0.50        | ND<0.50        | ND<0.50        |

MW-2

7124

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 7124**

| Date Sampled          | TBA      | Ethanol (8015B) | Ethanol (8260B) | Ethylene-dibromide (EDB) | 1,2-DCA (EDC) | DIPE    | ETBE    | TAME    |
|-----------------------|----------|-----------------|-----------------|--------------------------|---------------|---------|---------|---------|
|                       | (µg/l)   | (mg/l)          | (µg/l)          | (µg/l)                   | (µg/l)        | (µg/l)  | (µg/l)  | (µg/l)  |
| <b>MW-2 continued</b> |          |                 |                 |                          |               |         |         |         |
| 04/08/02              | ND<2000  | ND<10000        | --              | ND<40                    | ND<40         | ND<40   | ND<40   | ND<40   |
| 07/28/02              | ND<500   | ND<2500         | --              | ND<10                    | ND<10         | ND<10   | ND<10   | ND<10   |
| 11/03/02              | ND<1000  | ND<5000         | --              | ND<20                    | ND<20         | ND<20   | ND<20   | ND<20   |
| 01/24/03              | ND<500   | ND<2500         | --              | ND<10                    | ND<10         | ND<10   | ND<10   | ND<10   |
| 04/02/03              | ND<1000  | ND<5000         | --              | ND<20                    | ND<20         | ND<20   | ND<20   | ND<20   |
| 07/01/03              | ND<500   | ND<2500         | --              | ND<10                    | ND<10         | ND<10   | ND<10   | ND<10   |
| 10/02/03              | ND<100   | --              | ND<500          | ND<2.0                   | ND<2.0        | ND<2.0  | ND<2.0  | ND<2.0  |
| 01/09/04              | ND<500   | --              | ND<2500         | ND<10                    | ND<10         | ND<10   | ND<10   | ND<10   |
| 06/20/05              | 25       | --              | ND<1000         | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 09/23/05              | ND<10    | --              | ND<1000         | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 12/13/05              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 03/24/06              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 05/30/06              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 08/22/06              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 10/31/06              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 01/12/07              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 04/04/07              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 07/05/07              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 10/01/07              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 01/11/08              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 05/22/08              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 07/02/08              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| <b>MW-3</b>           |          |                 |                 |                          |               |         |         |         |
| 10/02/03              | ND<10000 | --              | ND<50000        | ND<200                   | ND<200        | ND<200  | ND<200  | ND<200  |
| 01/09/04              | ND<5000  | --              | ND<25000        | ND<100                   | ND<100        | ND<100  | ND<100  | ND<100  |
| 04/26/04              | ND<250   | --              | ND<2500         | ND<25                    | ND<25         | ND<50   | ND<25   | ND<25   |



**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 7124**

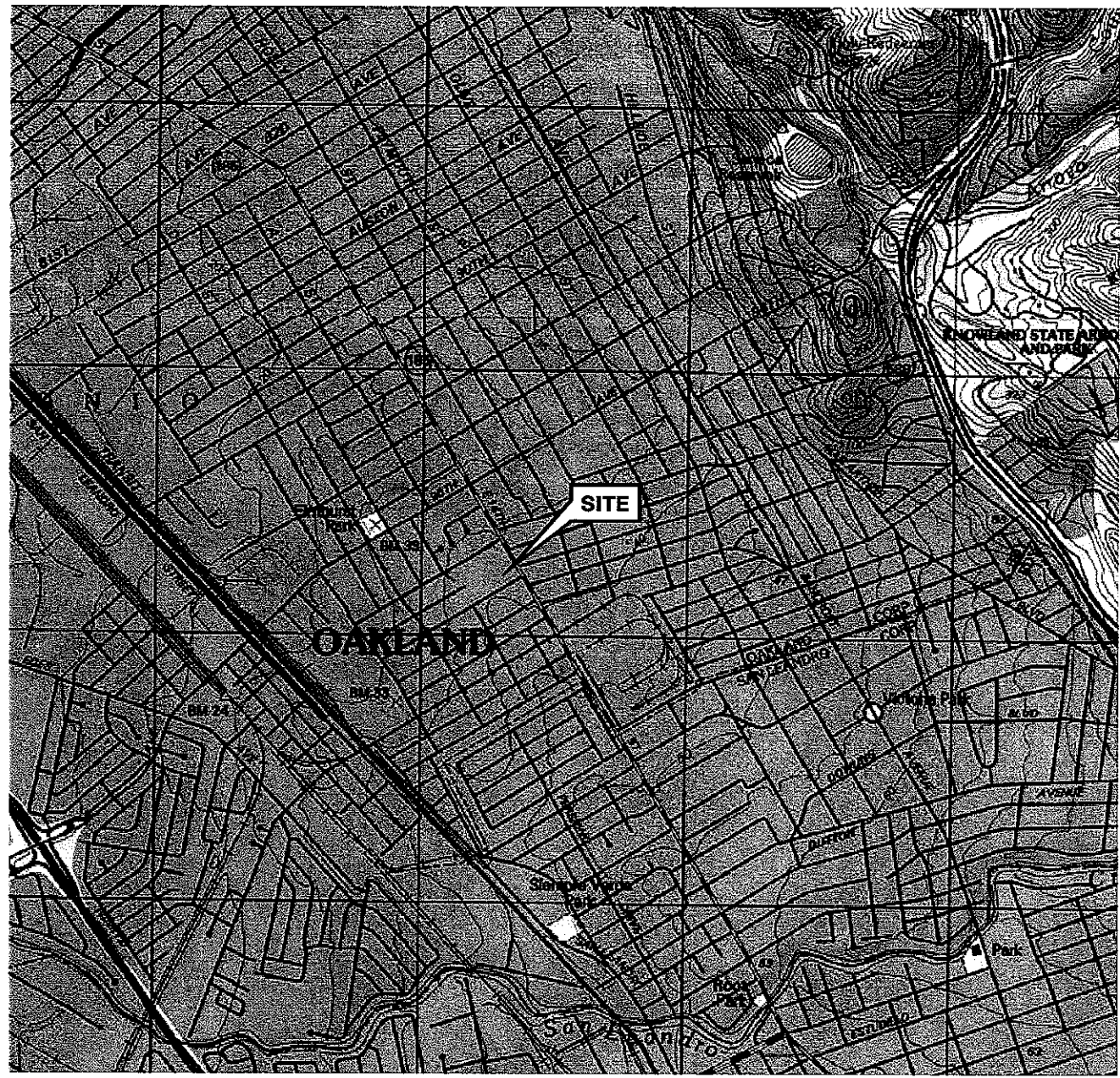
| Date Sampled          | TBA      | Ethanol (8015B) | Ethanol (8260B) | Ethylene-dibromide (EDB) | 1,2-DCA (EDC) | DIPE    | ETBE    | TAME    |
|-----------------------|----------|-----------------|-----------------|--------------------------|---------------|---------|---------|---------|
|                       | (µg/l)   | (mg/l)          | (µg/l)          | (µg/l)                   | (µg/l)        | (µg/l)  | (µg/l)  | (µg/l)  |
| <b>MW-3 continued</b> |          |                 |                 |                          |               |         |         |         |
| 07/22/04              | ND<250   | --              | ND<2500         | ND<25                    | ND<25         | ND<50   | ND<25   | ND<25   |
| 10/29/04              | ND<50    | --              | ND<500          | ND<5.0                   | ND<5.0        | ND<10   | ND<5.0  | ND<5.0  |
| 01/12/05              | 1300     | --              | ND<2500         | ND<25                    | ND<25         | ND<50   | ND<25   | ND<25   |
| 06/20/05              | 39       | --              | ND<1000         | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | 0.31J   |
| 09/23/05              | ND<10    | --              | ND<1000         | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 12/13/05              | ND<50    | --              | ND<1200         | ND<2.5                   | ND<2.5        | ND<2.5  | ND<2.5  | ND<2.5  |
| 03/24/06              | ND<100   | --              | ND<2500         | ND<5.0                   | ND<5.0        | ND<5.0  | ND<5.0  | ND<5.0  |
| 05/30/06              | ND<250   | --              | ND<6200         | ND<12                    | ND<12         | ND<12   | ND<12   | ND<12   |
| 08/22/06              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 10/31/06              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 01/12/07              | 43       | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 04/04/07              | 130      | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 07/05/07              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 10/01/07              | ND<20    | --              | ND<500          | ND<1.0                   | ND<1.0        | ND<1.0  | ND<1.0  | ND<1.0  |
| 01/11/08              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 04/04/08              | ND<20    | --              | ND<500          | ND<1.0                   | ND<1.0        | ND<1.0  | ND<1.0  | ND<1.0  |
| 07/02/08              | ND<10    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| <b>MW-4</b>           |          |                 |                 |                          |               |         |         |         |
| 04/08/02              | ND<5000  | ND<25000        | --              | ND<100                   | ND<100        | ND<100  | ND<100  | ND<100  |
| 07/28/02              | ND<500   | ND<2500         | --              | ND<10                    | ND<10         | ND<10   | ND<10   | ND<10   |
| 11/03/02              | ND<100   | ND<500          | --              | ND<2.0                   | ND<2.0        | ND<2.0  | ND<2.0  | ND<2.0  |
| 01/24/03              | ND<2000  | ND<10000        | --              | ND<40                    | ND<40         | ND<40   | ND<40   | ND<40   |
| 04/02/03              | ND<20000 | ND<100000       | --              | ND<400                   | ND<400        | ND<400  | ND<400  | ND<400  |
| 07/01/03              | ND<500   | ND<2500         | --              | ND<10                    | ND<10         | ND<10   | ND<10   | ND<10   |
| 10/02/03              | ND<2000  | --              | ND<10000        | ND<40                    | ND<40         | ND<40   | ND<40   | ND<40   |
| 01/09/04              | ND<2000  | --              | ND<10000        | ND<40                    | ND<40         | ND<40   | ND<40   | ND<40   |

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 7124**

| Date Sampled          | TBA    | Ethanol (8015B) | Ethanol (8260B) | Ethylene-dibromide (EDB) | 1,2-DCA (EDC) | DIPE    | ETBE    | TAME    |
|-----------------------|--------|-----------------|-----------------|--------------------------|---------------|---------|---------|---------|
|                       | (µg/l) | (mg/l)          | (µg/l)          | (µg/l)                   | (µg/l)        | (µg/l)  | (µg/l)  | (µg/l)  |
| <b>MW-4 continued</b> |        |                 |                 |                          |               |         |         |         |
| 04/26/04              | 430    | --              | ND<1000         | ND<10                    | ND<10         | ND<20   | ND<10   | ND<10   |
| 07/22/04              | ND<100 | --              | ND<1000         | ND<10                    | ND<10         | ND<20   | ND<10   | ND<10   |
| 10/29/04              | 63     | --              | ND<250          | ND<2.5                   | ND<2.5        | ND<5.0  | ND<2.5  | ND<2.5  |
| 01/12/05              | 1300   | --              | ND<250          | ND<10                    | ND<2.5        | ND<5.0  | ND<2.5  | ND<2.5  |
| 06/20/05              | 580    | --              | ND<1000         | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 09/23/05              | 92     | --              | ND<1000         | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 12/13/05              | 50     | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 03/24/06              | 1900   | --              | ND<6200         | ND<12                    | ND<12         | ND<12   | ND<12   | ND<12   |
| 05/30/06              | ND<50  | --              | ND<1200         | ND<2.5                   | ND<2.5        | ND<2.5  | ND<2.5  | ND<2.5  |
| 08/22/06              | 150    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 10/31/06              | 43     | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 01/12/07              | 72     | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 04/04/07              | 260    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 07/05/07              | 18     | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 10/01/07              | ND<10  | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 01/11/08              | 140    | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 05/22/08              | 52     | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |
| 07/02/08              | 15     | --              | ND<250          | ND<0.50                  | ND<0.50       | ND<0.50 | ND<0.50 | ND<0.50 |

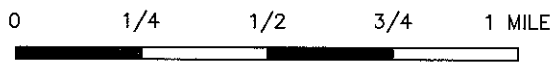
# FIGURES

PS=1:1 L:\COMS V I C I N I T Y M A P S\7124\vm.dwg Jul 19, 2007 - 6:50am cwong



SOURCE:

United States Geological Survey  
7.5 Minute Topographic Map:  
Oakland West Quadrangle



SCALE 1:24,000



PROJECT: 125703


FACILITY:


76 STATION 7124  
10151 INTERNATIONAL BOULEVARD  
OAKLAND, CALIFORNIA


VICINITY MAP

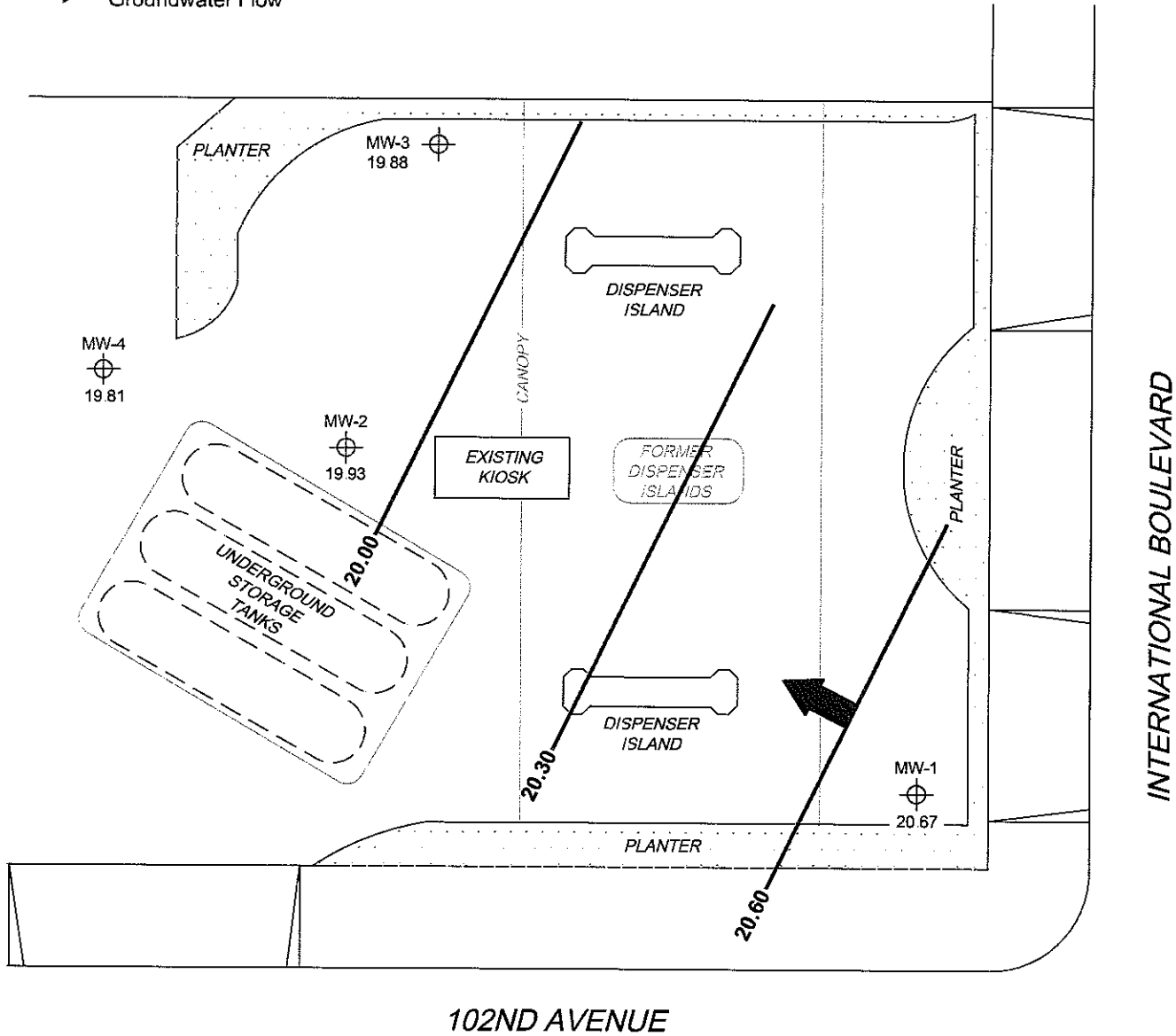
FIGURE 1

**LEGEND**

MW-4  Monitoring Well with Groundwater Elevation (feet)

20.60  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

SCALE (FEET)



L:\Graphics\QMS NORTH-SOUTH-7000\7124\7124-QMS.DWG Jul 24, 2008 - 12:21pm bschmidt

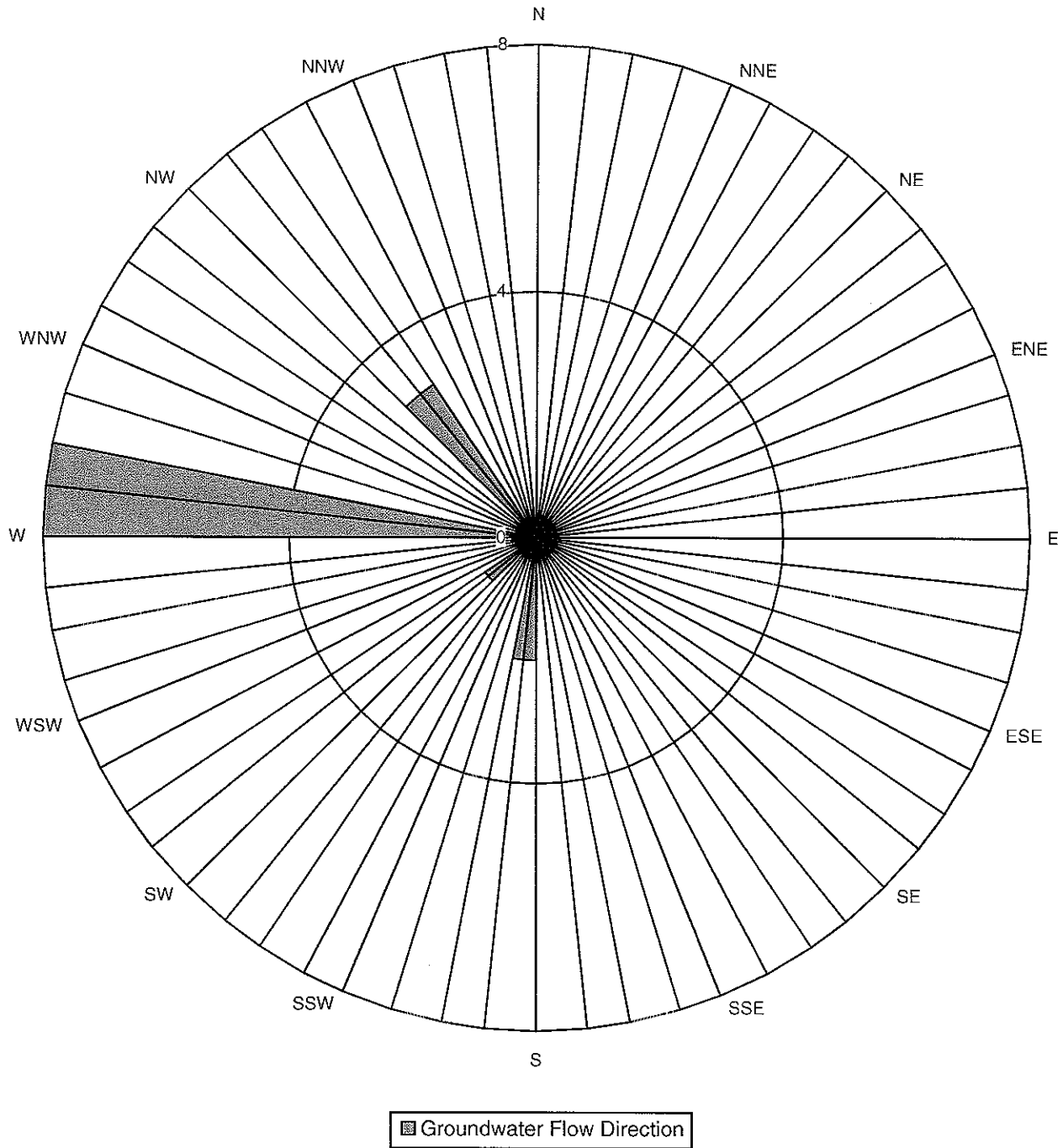
MS=1:1 7124-003



PROJECT: 154771  
FACILITY:  
76 STATION 7124  
10151 INTERNATIONAL BOULEVARD  
OAKLAND, CALIFORNIA

**GROUNDWATER ELEVATION  
CONTOUR MAP  
July 2, 2008**

**FIGURE 2**



**LEGEND**

Concentric Circles Represent  
 Quarterly Monitoring Events  
 Conducted Since Fourth Quarter 2003.

PROJECT: 154771


**HISTORICAL GROUNDWATER  
 FLOW DIRECTION**

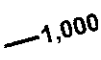


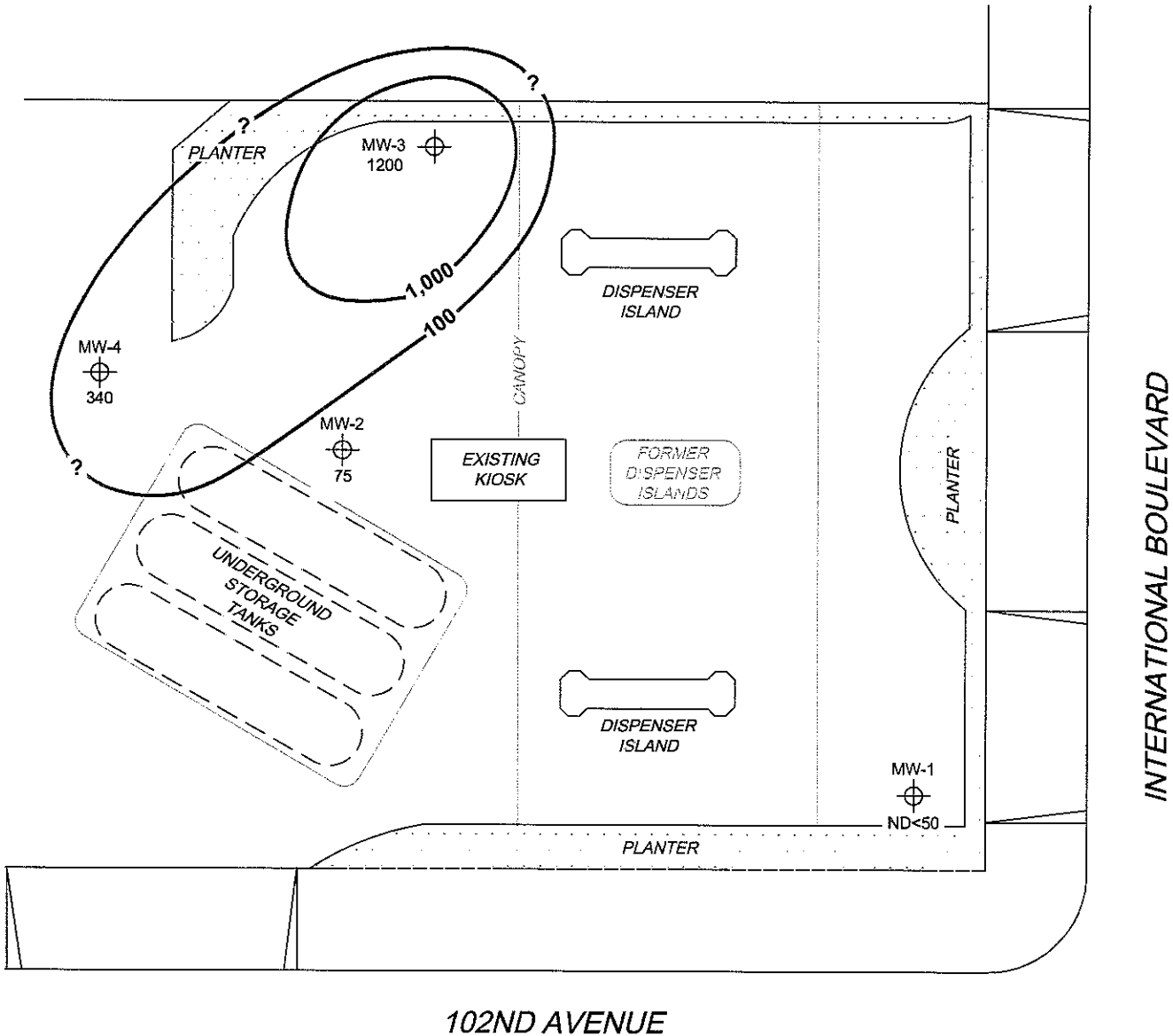
76 STATION 7124  
 10151 INTERNATIONAL BOULEVARD  
 OAKLAND, CALIFORNIA

**FIGURE 2A**

**LEGEND**

MW-4  Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration ( $\mu\text{g/l}$ )

 1,000 Dissolved-Phase TPH-G (GC/MS) Contour ( $\mu\text{g/l}$ )



**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  $\mu\text{g/l}$  = micrograms per liter ND = not detected at limit indicated on official laboratory report

SCALE (FEET)



MS=1:1 7124-003 L:\Graphics\QMS NORTH-SOUTH\7124-003\7124-QMS.DWG Jul 24, 2008 - 12:26pm bschmidt




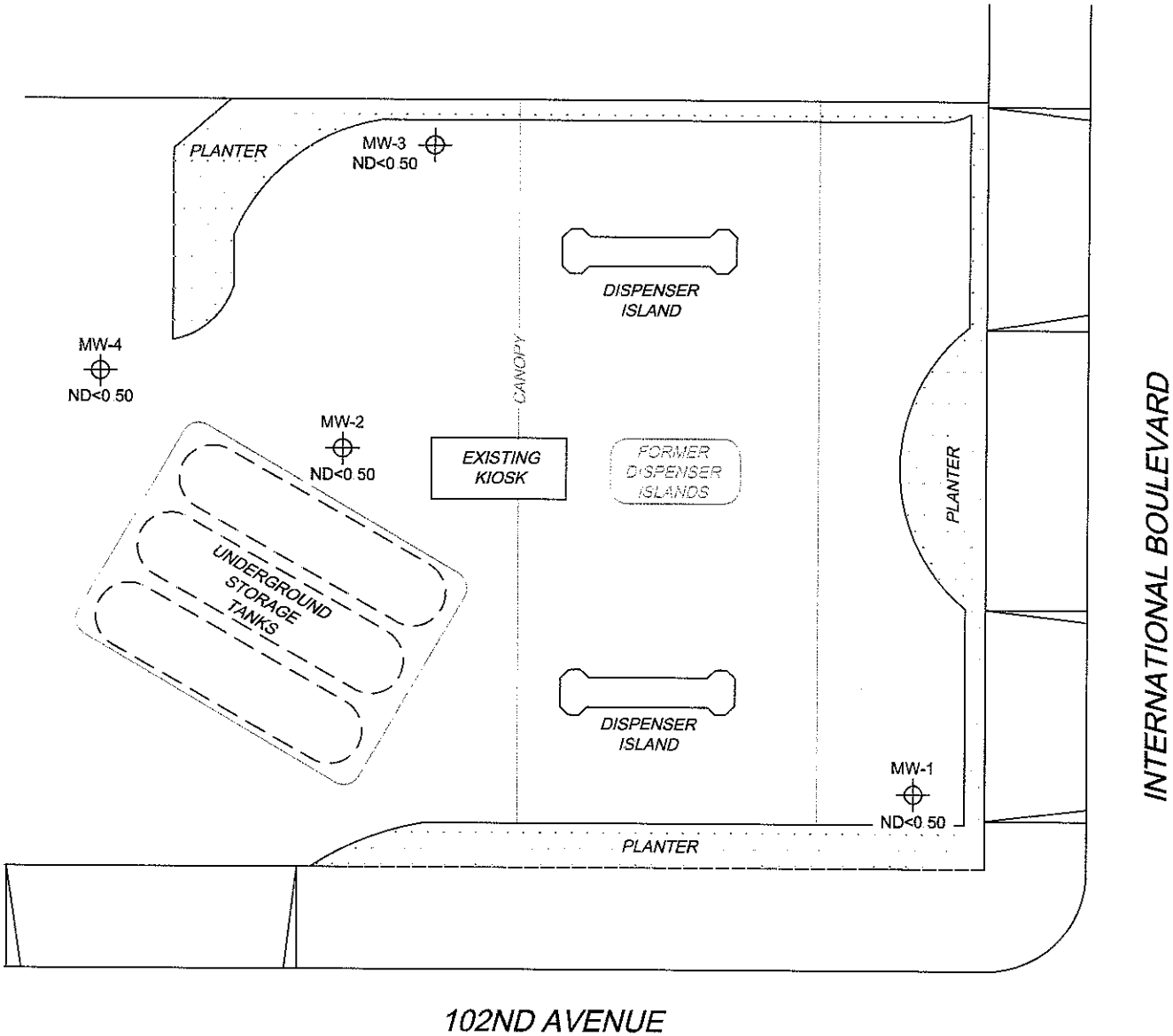
PROJECT: 154771  
 FACILITY:  
 76 STATION 7124  
 10151 INTERNATIONAL BOULEVARD  
 OAKLAND, CALIFORNIA

**DISSOLVED-PHASE TPH-G (GC/MS)  
 CONCENTRATION MAP  
 July 2, 2008**

**FIGURE 3**

**LEGEND**

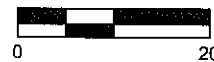
MW-4  Monitoring Well with Dissolved-Phase Benzene Concentration ( $\mu\text{g/l}$ )



**NOTES:**

$\mu\text{g/l}$  = micrograms per liter ND = not detected at limit indicated on official laboratory report

SCALE (FEET)



L:\Graphics\QMS NORTH-SOUTH-7000\7124\7124-QMS.DWG Jul 24, 2008 - 12:26pm bschmidt

MS=1:1 7124-003




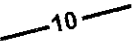
PROJECT: 154771  
 FACILITY:  
 76 STATION 7124  
 10151 INTERNATIONAL BOULEVARD  
 OAKLAND, CALIFORNIA

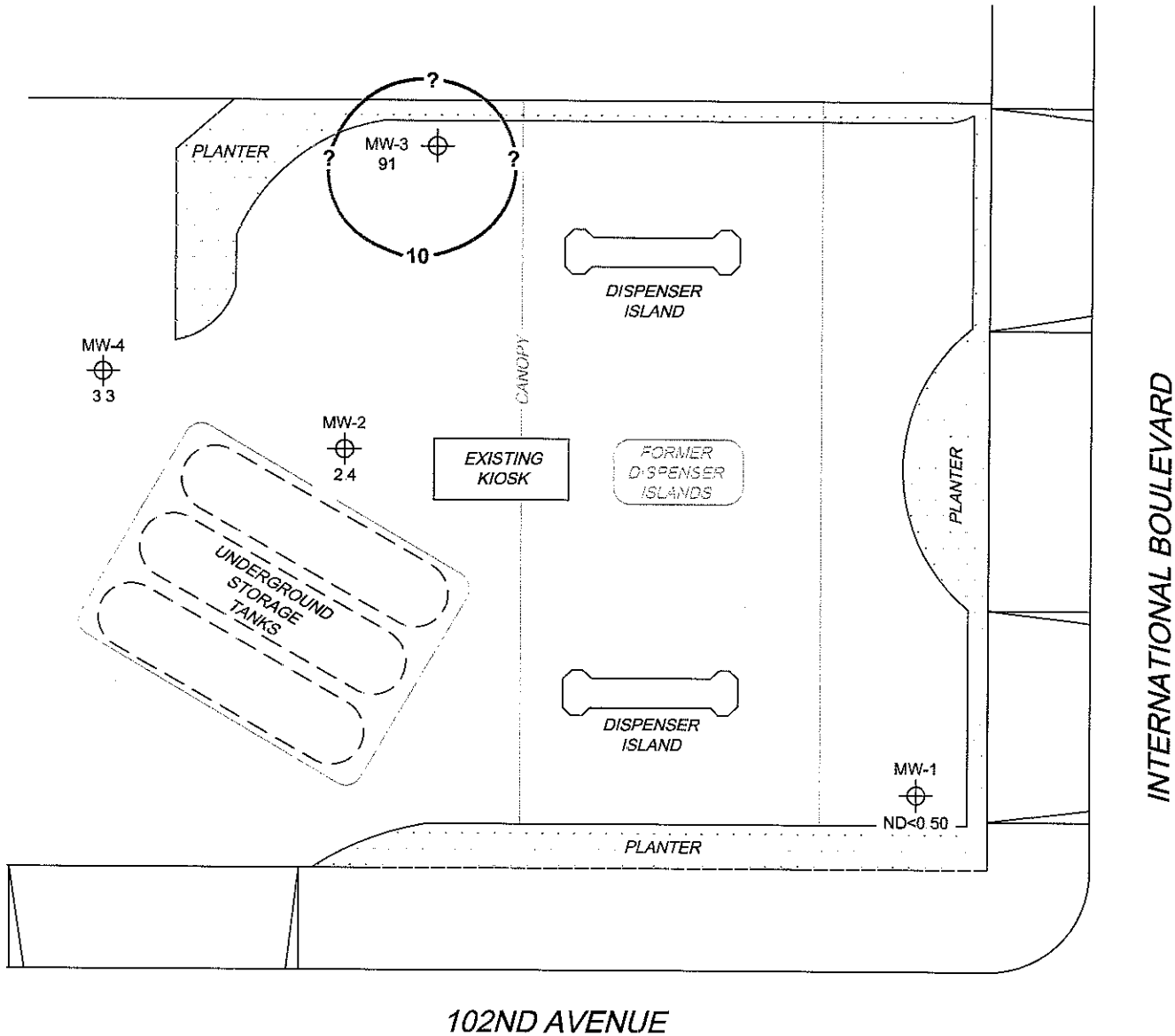
**DISSOLVED-PHASE BENZENE  
 CONCENTRATION MAP  
 July 2, 2008**

**FIGURE 4**



**LEGEND**

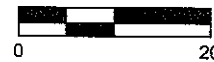
- MW-4  Monitoring Well with Dissolved-Phase MTBE Concentration ( $\mu\text{g/l}$ )
-  10 Dissolved-Phase MTBE Contour ( $\mu\text{g/l}$ )



**NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether.  $\mu\text{g/l}$  = micrograms per liter. ND = not detected at limit indicated on official laboratory report. Results obtained using EPA Method 8260B

SCALE (FEET)



MS=1:1 7124-003 L:\Graphics\QMS NORTH-SOUTH-7000\7124+7124QMS.DWG Jul 24, 2008 - 12:29pm bschmidt



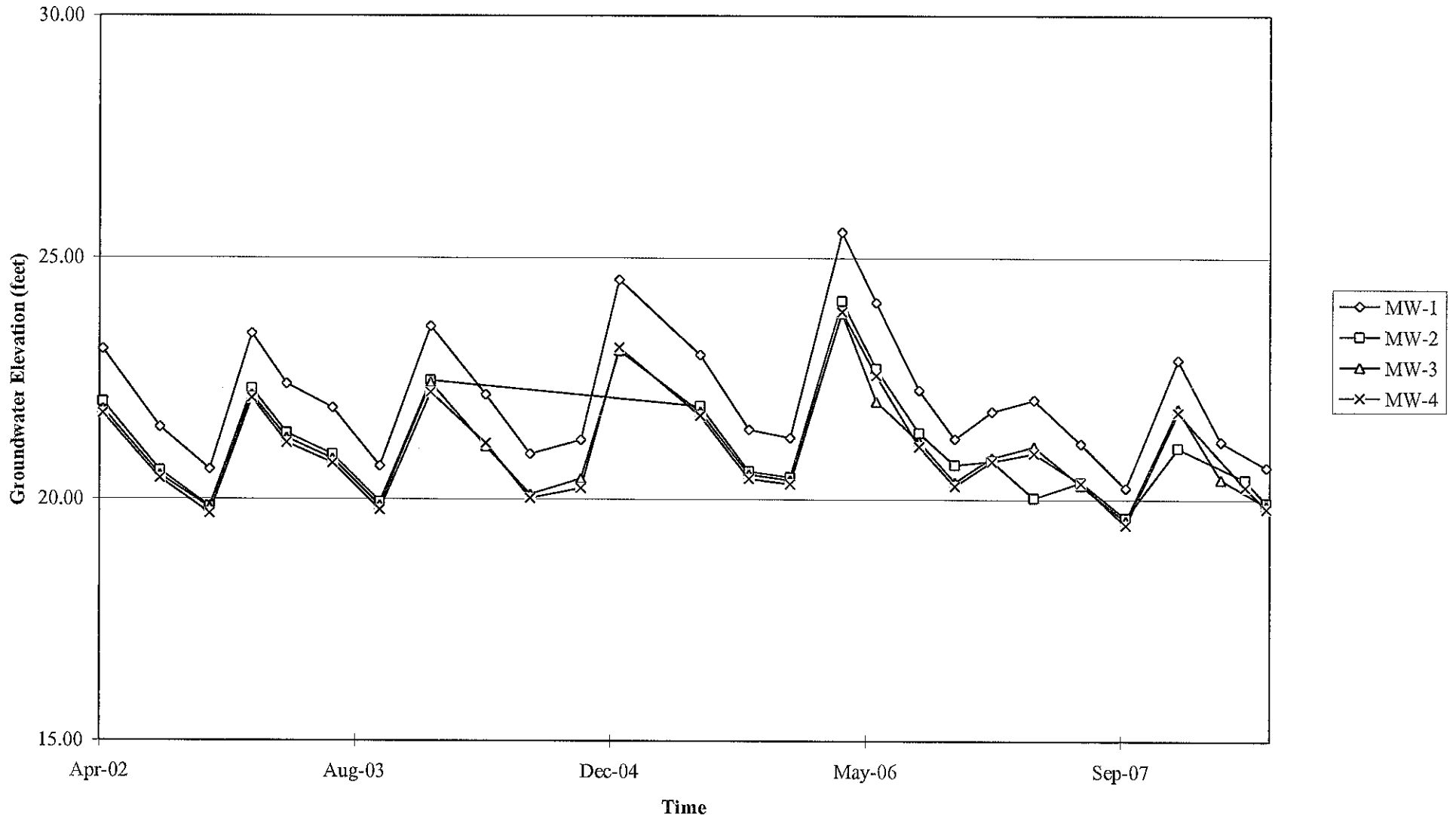
PROJECT: 154771  
 FACILITY:  
 76 STATION 7124  
 10151 INTERNATIONAL BOULEVARD  
 OAKLAND, CALIFORNIA

**DISSOLVED-PHASE MTBE  
 CONCENTRATION MAP  
 July 2, 2008**

**FIGURE 5**

# GRAPHS

Groundwater Elevations vs. Time  
76 Station 7124



Elevations may have been corrected for apparent changes due to resurvey



# 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 ISR 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 ISR. 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 ISR, 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 is specified on the ISR. 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 well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

## **Exceptions**

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



## GROUNDWATER SAMPLING FIELD NOTES

Technician: Ricky H.

Site: 7124

Project No: 15477C

Date: 7/02/08

Well No. mw-1

Purge Method: Sub

Depth to Water (feet): 16.70

Depth to Product (feet): —

Total Depth (feet): 24.79

LPH & Water Recovered (gallons): —

Water Column (feet): 8.09

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 18.32

1 Well Volume (gallons): 6

| Time Start             | Time Stop | Depth to Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F, C) | pH   | D.O. (mg/L) | ORP | Turbidity |
|------------------------|-----------|-----------------------|-------------------------|----------------------|--------------------|------|-------------|-----|-----------|
| 1240                   |           |                       | 6                       | 554.8                | 20.8               | 7.76 |             |     |           |
|                        |           |                       | 12                      | 548.3                | 20.8               | 7.18 |             |     |           |
|                        | 1248      |                       | 18                      | 549.8                | 21.3               | 6.86 |             |     |           |
| Static at Time Sampled |           |                       | Total Gallons Purged    |                      | Sample Time        |      |             |     |           |
| 17.05                  |           |                       | 18                      |                      | 1253               |      |             |     |           |
| <b>Comments:</b>       |           |                       |                         |                      |                    |      |             |     |           |

Well No. mw-2

Purge Method: Sub

Depth to Water (feet): 17.94

Depth to Product (feet): —

Total Depth (feet): 25.17

LPH & Water Recovered (gallons): —

Water Column (feet): 7.23

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 19.39

1 Well Volume (gallons): 5

| Time Start             | Time Stop | Depth to Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F, C) | pH   | D.O. (mg/L) | ORP | Turbidity |
|------------------------|-----------|-----------------------|-------------------------|----------------------|--------------------|------|-------------|-----|-----------|
| 1304                   |           |                       | 5                       | 580.1                | 23.3               | 6.62 |             |     |           |
|                        |           |                       | 10                      | 577.4                | 22.4               | 6.39 |             |     |           |
|                        | 1309      |                       | 15                      | 581.1                | 22.0               | 6.32 |             |     |           |
| Static at Time Sampled |           |                       | Total Gallons Purged    |                      | Sample Time        |      |             |     |           |
| 18.15                  |           |                       | 15                      |                      | 1315               |      |             |     |           |
| <b>Comments:</b>       |           |                       |                         |                      |                    |      |             |     |           |



## GROUNDWATER SAMPLING FIELD NOTES

Technician: Ricky H.

Site: 7124

Project No: 154771

Date: 7/02/08

Well No. mw-4

Purge Method: sub

Depth to Water (feet): 18.55

Depth to Product (feet): —

Total Depth (feet): 24.89

LPH & Water Recovered (gallons): —

Water Column (feet): 6.34

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 19.82

1 Well Volume (gallons): 5

| Time Start             | Time Stop | Depth to Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F, °C) | pH   | D.O. (mg/L) | ORP | Turbidity |
|------------------------|-----------|-----------------------|-------------------------|----------------------|---------------------|------|-------------|-----|-----------|
| 1324                   |           |                       | 5                       | 587.2                | 22.7                | 6.58 |             |     |           |
|                        |           |                       | 10                      | 597.2                | 21.4                | 6.36 |             |     |           |
|                        | 1331      |                       | 15                      | 600.4                | 21.6                | 6.28 |             |     |           |
| Static at Time Sampled |           |                       | Total Gallons Purged    |                      | Sample Time         |      |             |     |           |
| 18.82                  |           |                       | 15                      |                      | 1337                |      |             |     |           |
| <b>Comments:</b>       |           |                       |                         |                      |                     |      |             |     |           |
|                        |           |                       |                         |                      |                     |      |             |     |           |

Well No. mw-3

Purge Method: sub

Depth to Water (feet): 17.84

Depth to Product (feet): —

Total Depth (feet): 25.11

LPH & Water Recovered (gallons): —

Water Column (feet): 7.27

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 19.29

1 Well Volume (gallons): 5

| Time Start             | Time Stop | Depth to Water (feet) | Volume Purged (gallons) | Conductivity (uS/cm) | Temperature (F, °C) | pH   | D.O. (mg/L) | ORP | Turbidity |
|------------------------|-----------|-----------------------|-------------------------|----------------------|---------------------|------|-------------|-----|-----------|
| 1353                   |           |                       | 5                       | 620.8                | 20.8                | 6.76 |             |     |           |
|                        |           |                       | 10                      | 616.9                | 20.2                | 6.39 |             |     |           |
|                        | 1400      |                       | 15                      | 637.9                | 20.2                | 6.21 |             |     |           |
| Static at Time Sampled |           |                       | Total Gallons Purged    |                      | Sample Time         |      |             |     |           |
| 18.04                  |           |                       | 15                      |                      | 1406                |      |             |     |           |
| <b>Comments:</b>       |           |                       |                         |                      |                     |      |             |     |           |
|                        |           |                       |                         |                      |                     |      |             |     |           |



Date of Report: 07/11/2008

Anju Farfan

TRC  
21 Technology Drive  
Irvine, CA 92618

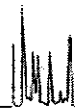
RE: 7124  
BC Work Order: 0808613

Enclosed are the results of analyses for samples received by the laboratory on 7/3/2008. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Molly Meyers  
Client Service Rep

Authorized Signature



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 7124  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 07/11/2008 11:18

### Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information |      |  | Receive Date:        | Delivery Work Order:        |
|------------|---------------------------|------|--|----------------------|-----------------------------|
| 0808613-01 | COC Number:               | ---  |  | 07/03/2008 20:25     |                             |
|            | Project Number:           | 7124 |  | 07/02/2008 12:53     | Global ID: T0600173591      |
|            | Sampling Location:        | MW-1 |  | Sample Depth: ---    | Matrix: W                   |
|            | Sampling Point:           | MW-1 |  | Sample Matrix: Water | Sample QC Type (SACode): CS |
|            | Sampled By:               | TRCI |  |                      | Cooler ID:                  |
| 0808613-02 | COC Number:               | ---  |  | 07/03/2008 20:25     |                             |
|            | Project Number:           | 7124 |  | 07/02/2008 13:15     | Global ID: T0600173591      |
|            | Sampling Location:        | MW-2 |  | Sample Depth: ---    | Matrix: W                   |
|            | Sampling Point:           | MW-2 |  | Sample Matrix: Water | Sample QC Type (SACode): CS |
|            | Sampled By:               | TRCI |  |                      | Cooler ID:                  |
| 0808613-03 | COC Number:               | ---  |  | 07/03/2008 20:25     |                             |
|            | Project Number:           | 7124 |  | 07/02/2008 13:37     | Global ID: T0600173591      |
|            | Sampling Location:        | MW-4 |  | Sample Depth: ---    | Matrix: W                   |
|            | Sampling Point:           | MW-4 |  | Sample Matrix: Water | Sample QC Type (SACode): CS |
|            | Sampled By:               | TRCI |  |                      | Cooler ID:                  |
| 0808613-04 | COC Number:               | ---  |  | 07/03/2008 20:25     |                             |
|            | Project Number:           | 7124 |  | 07/02/2008 14:06     | Global ID: T0600173591      |
|            | Sampling Location:        | MW-3 |  | Sample Depth: ---    | Matrix: W                   |
|            | Sampling Point:           | MW-3 |  | Sample Matrix: Water | Sample QC Type (SACode): CS |
|            | Sampled By:               | TRCI |  |                      | Cooler ID:                  |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*  
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

|  |   |                            |
|--|---|----------------------------|
| TRC<br>21 Technology Drive<br>Irvine, CA 92618 | Project: 7124<br>Project Number: [none]<br>Project Manager: Anju Farfan | Reported: 07/11/2008 11:18 |
|--|---|----------------------------|

## Volatile Organic Analysis (EPA Method 8260)

|                           |   |
|---------------------------|---|
| BCL Sample ID: 0808613-01 | Client Sample Name: 7124, MW-1, MW-1, 7/2/2008 12:53:00PM |
|---------------------------|---|

| Constituent                            | Result | Units | PQL                  | MDL | Method   | Prep     | Run            | Analyst | Instru-<br>ment ID | Dilution | QC       | MB   | Lab   |
|--|--------|-------|----------------------|-----|----------|----------|----------------|---------|--------------------|----------|----------|------|-------|
|  |        |       |                      |     |          | Date     | Date/Time      |         |                    |          | Batch ID | Bias | Quals |
| Benzene                                | ND     | ug/L  | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| 1,2-Dibromoethane                      | ND     | ug/L  | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| 1,2-Dichloroethane                     | ND     | ug/L  | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Ethylbenzene                           | ND     | ug/L  | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Methyl t-butyl ether                   | ND     | ug/L  | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Toluene                                | ND     | ug/L  | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Total Xylenes                          | ND     | ug/L  | 1.0                  |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| t-Amyl Methyl ether                    | ND     | ug/L  | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| t-Butyl alcohol                        | ND     | ug/L  | 10                   |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Diisopropyl ether                      | ND     | ug/L  | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Ethanol                                | ND     | ug/L  | 250                  |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Ethyl t-butyl ether                    | ND     | ug/L  | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Total Purgeable Petroleum Hydrocarbons | ND     | ug/L  | 50                   |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| 1,2-Dichloroethane-d4 (Surrogate)      | 103    | %     | 76 - 114 (LCL - UCL) |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  |      |       |
| Toluene-d8 (Surrogate)                 | 103    | %     | 88 - 110 (LCL - UCL) |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  |      |       |
| 4-Bromofluorobenzene (Surrogate)       | 94.9   | %     | 86 - 115 (LCL - UCL) |     | EPA-8260 | 07/05/08 | 07/08/08 03:28 | SDU     | MS-V10             | 1        | BRG0281  |      |       |

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TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 7124  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 07/11/2008 11:18

## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0808613-02              |        | Client Sample Name: 7124, MW-2, MW-2, 7/2/2008 1:15:00PM |                      |     |          |           |                |         |                |          |             |         |           |
|--|--------|--|----------------------|-----|----------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| 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 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| 1,2-Dibromoethane                      | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| 1,2-Dichloroethane                     | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Ethylbenzene                           | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Methyl t-butyl ether                   | 2.4    | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Toluene                                | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Total Xylenes                          | ND     | ug/L   | 1.0                  |     | EPA-8260 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| t-Amyl Methyl ether                    | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| t-Butyl alcohol                        | ND     | ug/L   | 10                   |     | EPA-8260 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Diisopropyl ether                      | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Ethanol                                | ND     | ug/L   | 250                  |     | EPA-8260 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Ethyl t-butyl ether                    | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Total Purgeable Petroleum Hydrocarbons | 75     | ug/L   | 50                   |     | EPA-8260 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| 1,2-Dichloroethane-d4 (Surrogate)      | 103    | %  | 76 - 114 (LCL - UCL) |     | EPA-8260 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     |         |           |
| Toluene-d8 (Surrogate)                 | 99.9   | %  | 88 - 110 (LCL - UCL) |     | EPA-8260 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     |         |           |
| 4-Bromofluorobenzene (Surrogate)       | 103    | %  | 86 - 115 (LCL - UCL) |     | EPA-8260 | 07/05/08  | 07/08/08 03:45 | SDU     | MS-V10         | 1        | BRG0281     |         |           |

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Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A

TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 7124  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 07/11/2008 11:18

## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0808613-03              |        | Client Sample Name: 7124, MW-4, MW-4, 7/2/2008 1:37:00PM |                      |     |          |           |                |         |                |          |             |         |           |
|--|--------|--|----------------------|-----|----------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| 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 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| 1,2-Dibromoethane                      | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| 1,2-Dichloroethane                     | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Ethylbenzene                           | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Methyl t-butyl ether                   | 3.3    | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Toluene                                | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Total Xylenes                          | ND     | ug/L   | 1.0                  |     | EPA-8260 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| t-Amyl Methyl ether                    | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| t-Butyl alcohol                        | 15     | ug/L   | 10                   |     | EPA-8260 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Diisopropyl ether                      | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Ethanol                                | ND     | ug/L   | 250                  |     | EPA-8260 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Ethyl t-butyl ether                    | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| Total Purgeable Petroleum Hydrocarbons | 340    | ug/L   | 50                   |     | EPA-8260 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     | ND      |           |
| 1,2-Dichloroethane-d4 (Surrogate)      | 103    | %  | 76 - 114 (LCL - UCL) |     | EPA-8260 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     |         |           |
| Toluene-d8 (Surrogate)                 | 102    | %  | 88 - 110 (LCL - UCL) |     | EPA-8260 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     |         |           |
| 4-Bromofluorobenzene (Surrogate)       | 102    | %  | 86 - 115 (LCL - UCL) |     | EPA-8260 | 07/05/08  | 07/08/08 04:03 | SDU     | MS-V10         | 1        | BRG0281     |         |           |

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TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 7124  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 07/11/2008 11:18

## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0808613-04              |        | Client Sample Name: 7124, MW-3, MW-3, 7/2/2008 2:06:00PM |                      |     |          |          |                |         |                    |          |          |      |       |
|--|--------|--|----------------------|-----|----------|----------|----------------|---------|--------------------|----------|----------|------|-------|
| Constituent                            | Result | Units  | PQL                  | MDL | Method   | Prep     | Run            | Analyst | Instru-<br>ment ID | Dilution | QC       | MB   | Lab   |
|  |        |  |                      |     |          | Date     | Date/Time      |         |                    |          | Batch ID | Bias | Quals |
| Benzene                                | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| 1,2-Dibromoethane                      | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| 1,2-Dichloroethane                     | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Ethylbenzene                           | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Methyl t-butyl ether                   | 91     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Toluene                                | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Total Xylenes                          | ND     | ug/L   | 1.0                  |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| t-Amyl Methyl ether                    | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| t-Butyl alcohol                        | ND     | ug/L   | 10                   |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Diisopropyl ether                      | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Ethanol                                | ND     | ug/L   | 250                  |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Ethyl t-butyl ether                    | ND     | ug/L   | 0.50                 |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| Total Purgeable Petroleum Hydrocarbons | 1200   | ug/L   | 50                   |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  | ND   |       |
| 1,2-Dichloroethane-d4 (Surrogate)      | 101    | %  | 76 - 114 (LCL - UCL) |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  |      |       |
| Toluene-d8 (Surrogate)                 | 103    | %  | 88 - 110 (LCL - UCL) |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  |      |       |
| 4-Bromofluorobenzene (Surrogate)       | 108    | %  | 86 - 115 (LCL - UCL) |     | EPA-8260 | 07/05/08 | 07/08/08 04:21 | SDU     | MS-V10             | 1        | BRG0281  |      |       |

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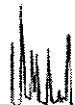
## Volatile Organic Analysis (EPA Method 8260)

### 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            | Percent Recovery Lab Quals |
| Benzene                           | BRG0281  | Matrix Spike           | 0807421-69       | 0             | 26.990 | 25.000      | ug/L  |     | 108              |                | 70 - 130                   |
|                                   |          | Matrix Spike Duplicate | 0807421-69       | 0             | 25.650 | 25.000      | ug/L  | 4.7 | 103              | 20             | 70 - 130                   |
| Toluene                           | BRG0281  | Matrix Spike           | 0807421-69       | 0             | 25.120 | 25.000      | ug/L  |     | 100              |                | 70 - 130                   |
|                                   |          | Matrix Spike Duplicate | 0807421-69       | 0             | 23.760 | 25.000      | ug/L  | 5.1 | 95.0             | 20             | 70 - 130                   |
| 1,2-Dichloroethane-d4 (Surrogate) | BRG0281  | Matrix Spike           | 0807421-69       | ND            | 9.7600 | 10.000      | ug/L  |     | 97.6             |                | 76 - 114                   |
|                                   |          | Matrix Spike Duplicate | 0807421-69       | ND            | 9.7300 | 10.000      | ug/L  |     | 97.3             |                | 76 - 114                   |
| Toluene-d8 (Surrogate)            | BRG0281  | Matrix Spike           | 0807421-69       | ND            | 10.010 | 10.000      | ug/L  |     | 100              |                | 88 - 110                   |
|                                   |          | Matrix Spike Duplicate | 0807421-69       | ND            | 9.9400 | 10.000      | ug/L  |     | 99.4             |                | 88 - 110                   |
| 4-Bromofluorobenzene (Surrogate)  | BRG0281  | Matrix Spike           | 0807421-69       | ND            | 9.8600 | 10.000      | ug/L  |     | 98.6             |                | 86 - 115                   |
|                                   |          | Matrix Spike Duplicate | 0807421-69       | ND            | 10.010 | 10.000      | ug/L  |     | 100              |                | 86 - 115                   |

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Project: 7124  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 07/11/2008 11:18

## 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   |     | Lab Quals |
|-----------------------------------|----------|--------------|---------|--------|-------------|------|-------|------------------|-----|------------------|-----|-----------|
|                                   |          |              |         |        |             |      |       |                  |     | Percent Recovery | RPD |           |
| Benzene                           | BRG0281  | BRG0281-BS1  | LCS     | 28.600 | 25.000      | 0.50 | ug/L  | 114              |     | 70 - 130         |     |           |
| Toluene                           | BRG0281  | BRG0281-BS1  | LCS     | 27.080 | 25.000      | 0.50 | ug/L  | 108              |     | 70 - 130         |     |           |
| 1,2-Dichloroethane-d4 (Surrogate) | BRG0281  | BRG0281-BS1  | LCS     | 9.7500 | 10.000      |      | ug/L  | 97.5             |     | 76 - 114         |     |           |
| Toluene-d8 (Surrogate)            | BRG0281  | BRG0281-BS1  | LCS     | 10.000 | 10.000      |      | ug/L  | 100              |     | 88 - 110         |     |           |
| 4-Bromofluorobenzene (Surrogate)  | BRG0281  | BRG0281-BS1  | LCS     | 9.9800 | 10.000      |      | ug/L  | 99.8             |     | 86 - 115         |     |           |

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Project: 7124  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 07/11/2008 11:18

## 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                                | BRG0281  | BRG0281-BLK1 | ND        | ug/L  | 0.50                 |     |           |
| 1,2-Dibromoethane                      | BRG0281  | BRG0281-BLK1 | ND        | ug/L  | 0.50                 |     |           |
| 1,2-Dichloroethane                     | BRG0281  | BRG0281-BLK1 | ND        | ug/L  | 0.50                 |     |           |
| Ethylbenzene                           | BRG0281  | BRG0281-BLK1 | ND        | ug/L  | 0.50                 |     |           |
| Methyl t-butyl ether                   | BRG0281  | BRG0281-BLK1 | ND        | ug/L  | 0.50                 |     |           |
| Toluene                                | BRG0281  | BRG0281-BLK1 | ND        | ug/L  | 0.50                 |     |           |
| Total Xylenes                          | BRG0281  | BRG0281-BLK1 | ND        | ug/L  | 1.0                  |     |           |
| t-Amyl Methyl ether                    | BRG0281  | BRG0281-BLK1 | ND        | ug/L  | 0.50                 |     |           |
| t-Butyl alcohol                        | BRG0281  | BRG0281-BLK1 | ND        | ug/L  | 10                   |     |           |
| Diisopropyl ether                      | BRG0281  | BRG0281-BLK1 | ND        | ug/L  | 0.50                 |     |           |
| Ethanol                                | BRG0281  | BRG0281-BLK1 | ND        | ug/L  | 250                  |     |           |
| Ethyl t-butyl ether                    | BRG0281  | BRG0281-BLK1 | ND        | ug/L  | 0.50                 |     |           |
| Total Purgeable Petroleum Hydrocarbons | BRG0281  | BRG0281-BLK1 | ND        | ug/L  | 50                   |     |           |
| 1,2-Dichloroethane-d4 (Surrogate)      | BRG0281  | BRG0281-BLK1 | 95.8      | %     | 76 - 114 (LCL - UCL) |     |           |
| Toluene-d8 (Surrogate)                 | BRG0281  | BRG0281-BLK1 | 105       | %     | 88 - 110 (LCL - UCL) |     |           |
| 4-Bromofluorobenzene (Surrogate)       | BRG0281  | BRG0281-BLK1 | 101       | %     | 86 - 115 (LCL - UCL) |     |           |

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Irvine, CA 92618

Project: 7124  
Project Number: [none]  
Project Manager: Anju Farfan

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**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

Submission #: 08-8613

SHIPPING INFORMATION

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

SHIPPING CONTAINER

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

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

Custody Seals Ice Chest  Containers  None  Comments: \_\_\_\_\_

Intact? Yes  No

Intact? Yes  No

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

COC Received  
 YES  NO

Emissivity: .95 Container: WSP Thermometer ID: 48  
 Temperature: A 1.7 °C / C 1.8 °C

Date/Time 7/3/08 2037  
 Analyst Init JNW

| 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               |                |     |     |     |     |     |     |     |     |     |
| PT TOTAL ORGANIC CARBON              |                |     |     |     |     |     |     |     |     |     |
| PT TOX                               |                |     |     |     |     |     |     |     |     |     |
| PT CHEMICAL OXYGEN DEMAND            |                |     |     |     |     |     |     |     |     |     |
| PIA PHENOLICS                        |                |     |     |     |     |     |     |     |     |     |
| 40ml VOA VIAL TRAVEL BLANK           |                |     |     |     |     |     |     |     |     |     |
| 40ml VOA VIAL                        | A13            | A13 | A13 | A13 | ( ) | ( ) | ( ) | ( ) | ( ) | ( ) |
| QT EPA 413.1, 413.2, 413.1           |                |     |     |     |     |     |     |     |     |     |
| 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 AMBER                             |                |     |     |     |     |     |     |     |     |     |
| 8 OZ. JAR                            |                |     |     |     |     |     |     |     |     |     |
| 32 OZ. JAR                           |                |     |     |     |     |     |     |     |     |     |
| SOIL SLEEVE                          |                |     |     |     |     |     |     |     |     |     |
| PCB VIAL                             |                |     |     |     |     |     |     |     |     |     |
| PLASTIC BAG                          |                |     |     |     |     |     |     |     |     |     |
| FERROUS IRON                         |                |     |     |     |     |     |     |     |     |     |
| ENCORE                               |                |     |     |     |     |     |     |     |     |     |

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: JNW Date/Time: 7-3-08 2104  
 A = Actual / C = Corrected

**BC LABORATORIES, INC.**

4100 Atlas Court Bakersfield, CA 93308  
(661) 327-4911 FAX (661) 327-1918

**CHAIN OF CUSTODY**

**Analysis Requested**

08-8603

| Bill to: Conoco Phillips/ TRC        |                    | Consultant Firm: TRC  |                     | MATRIX (GW)<br>Ground-water<br>(S) Soil<br>(WW) Waste-water<br>(SL) Sludge | BTEX/MTBE by 8021B, Gas by 8015<br>TPH GAS by 8015M<br>TPH DIESEL by 8015<br>8260 full list w/ oxygenates<br>BTEX/MTBE/OXYS BY 8260B<br>ETHANOL by 8260B<br>TPH -G by GC/MS<br>EDB/EDC by 8260B | Turnaround Time Requested |
|--------------------------------------|--------------------|---|---------------------|--|---|---------------------------|
| Address:<br>10151 International Blvd |                    | 21 Technology Drive<br>Irvine, CA 92618-2302<br>Attn: Anju Farfan |                     |  |   |                           |
| City:<br>Oakland                     |                    | 4-digit site#: 7124   |                     |  |   |                           |
| State: CA Zip:                       |                    | Workorder # 01634-4509118529                                      |                     |  |   |                           |
| Conoco Phillips Mgr: B. Borgh        |                    | Project #: 154771   |                     |  |   |                           |
| Sampler Name: Ricky                  |                    |   |                     |  |   |                           |
| Lab#                                 | Sample Description | Field Point Name  | Date & Time Sampled |  |   |                           |
|                                      | -1 mw-1            |   | 7/02/08 1253        | GW   |   | STD                       |
|                                      | -2 mw-2            |   | ↓ 1315              | ↓  |   | ↓                         |
|                                      | -3 mw-4            |   | ↓ 1337              | ↓  |   | ↓                         |
|                                      | -4 mw-3            |   | ↓ 1406              | ↓  |   | ↓                         |

CHK BY  DISTRIBUTION

SUB-OUT

|   |  |                              |                             |
|---|--|------------------------------|-----------------------------|
| Comments:<br><br>GLOBAL ID: T0600173591 | Relinquished by: (Signature)<br>                   | Received by:<br>Re: Engeator | Date & Time<br>7/02/08 1550 |
|   | Relinquished by: (Signature)<br>                   | Received by:<br>Ross Wichey  | Date & Time<br>7/3/08 1250  |
|   | Relinquished by: (Signature)<br>Ross Wichey 7/3/08 | Received by:<br>Rick Wichey  | Date & Time<br>7-3-08 1750  |
| Reviewed 7-3-08 2025  7-3-8 2025        |  |                              |                             |

## **STATEMENTS**

### **Purge Water Disposal**

Non-hazardous groundwater produced during purging and sampling of monitoring 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 suspected of containing potentially hazardous material, such as liquid-phase hydrocarbons, was accumulated separately in a drum 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.