

**RECEIVED**

9:36 am, Apr 22, 2009

Alameda County  
Environmental Health



76 Broadway  
Sacramento, California 95818

April 20, 2009

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

Re: **Quarterly Summary Report—First Quarter 2009**  
**76 Service Station # 5325 RO # 0229**  
**3220 Lakeshore Ave.**  
**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



76 Broadway  
Sacramento, California 95818

April 20, 2009

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

Re: **Quarterly Summary Report—First Quarter 2009**  
**76 Service Station # 5325 RO # 0229**  
**3220 Lakeshore Ave.**  
**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". The signature is stylized and written over a large, horizontal oval shape.

Terry L. Grayson  
Site Manager  
Risk Management & Remediation

April 20, 2009

Ms. Barbara Jakub  
Alameda County Health Care Services  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577

**Re: Quarterly Summary Report – First Quarter 2009**  
76 Service Station No. 5325  
3220 Lakeshore Avenue  
Oakland, California  
RO#0229  
AOC 1394



Dear Ms. Jakub,

On behalf of ConocoPhillips Company (ConocoPhillips), Delta Consultants (Delta) is submitting the subject report and forwarding a copy of TRC's *Quarterly Monitoring Report January through March 2009*, dated April 17, 2009 for the above site. TRC has uploaded a copy of their report to the GeoTracker database.

Please contact me at (916) 503-1260 if you have questions.

Sincerely,

**Delta Consultants**

  
\_\_\_\_\_  
John Reay, P.G.  
Senior Project Manager



Enclosure

cc: Terry Grayson – ConocoPhillips (electronic copy only)

**QUARTERLY SUMMARY REPORT**  
**First Quarter 2009**

76 Service Station No. 5325  
RO#0229, AOC 1394  
3220 Lakeshore Avenue  
Oakland, California  
County: Alameda

**SITE DESCRIPTION**

The site, an operating 76 Service Station located on the southeast corner of the intersection of Lakeshore Avenue and Lake Park Avenue in Oakland, California. The site is bounded to the north by Lakeshore Avenue, to the west and southwest by Lake Park Avenue, to the southeast by a supermarket parking lot, and to the east by a pharmacy. Current site facilities consist of the service station building with three service bays, three product dispenser islands, and two 12,000-gallon double-wall fiberglass gasoline underground storage tanks (USTs).

**SITE BACKGROUND AND ACTIVITY**

May 1990 Three exploratory soil borings were advanced adjacent to the UST complex to depths ranging from 10 to 12.5 feet below ground surface (bgs). Soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and benzene, toluene, ethylbenzene, and xylenes (BTEX). The samples contained TPH-G concentrations ranging from 2 to 7,500 parts per million (ppm) and benzene concentrations ranging from 0.14 to 13 ppm.

June 1990 Two 10,000-gallon gasoline USTs, one 550-gallon waste oil UST, and related product dispensers were replaced. Soil samples from the UST excavation sidewalls and bottom and product line trenches were reported to contain TPH-G and benzene at concentrations ranging from 12 to 2,800 ppm and 0.008 to 11 ppm, respectively. Approximately 250 cubic yards of soil and backfill material were aerated onsite to reduce concentrations to below 100 ppm TPH-G, then transported to an appropriate soil disposal facility. Groundwater was encountered at approximately 7.5 feet bgs.

September 1990 Monitoring wells U-1, U-2, and U-3 were installed. TPH-G was detected in soil samples collected from the capillary fringe in well borings U-1 and U-2 at levels of 110 and 480 ppm, respectively. Benzene was detected in the soil sample from well boring U-1 at a level of 4.5 ppm. Petroleum hydrocarbons were not detected in soil or groundwater samples from U-3. Groundwater samples collected from wells U-1 and U-2 were reported to contain 690 and 38 parts per billion (ppb) TPH-G and 780 and 27 ppb benzene, respectively.

June 1990 Monitoring wells U-4, U-5, and U-6 were installed. TPH-G and benzene were detected in the capillary fringe soil sample collected from boring U-5 at levels of 400 ppm and 1.9 ppm, respectively. TPH-G and benzene were not detected in soil samples collected from borings U-4 and U-6. Groundwater levels stabilized at depths between 8.8 and 9.2 feet bgs.

November 1996 One 550-gallon waste oil UST was removed and the product lines and dispensers were replaced. A soil sample collected from the sidewall of the waste oil UST excavation contained 1.5 ppm total petroleum hydrocarbons as diesel (TPH-D) and 78 ppm total oil and grease (TOG). TPH-G, benzene, methyl tertiary butyl ether (MTBE), halogenated volatile organic compounds (HVOCs), and semivolatile organic compounds (SVOCs) were not detected. Product line trench excavation and over excavation samples were reported to contain petroleum hydrocarbon levels ranging from non-detect to 880 ppm TPH-G, non-detect to 3.6 ppm benzene, and non-detect to 23 ppm MTBE. Approximately 276 tons of excavated soil was transported to an appropriate disposal facility.

June 1997 Two exploratory borings (U-D and U-E) and one UST observation well were installed. U-D was advanced offsite on Lakeshore Avenue. TPH-G, BTEX, and MTBE were detected in one or all of the soil samples collected at the capillary fringe from the soil borings. TPH-G and MTBE were detected at a maximum of 450 ppm and 1.1 ppm, respectively, in U-D.

October 2003 Site environmental consulting responsibilities were transferred to TRC.

April 2006 Three ozone sparge wells (C-1 through C-3) were installed by TRC in the vicinity of U-2 for the purpose of an ozone pilot study. Total purgeable petroleum hydrocarbons (TPPH) were detected at a maximum of 4,600 milligrams per kilograms (mg/kg) in the five feet below grade (fbg) soil sample collected from C-1.

October 2007 Site environmental consulting responsibilities were transferred to Delta Consultants.

## **SENSITIVE RECEPTORS**

Lake Merritt is located approximately 0.3 miles downgradient. No domestic wells are located within a one mile distance of the site.

## **GROUNDWATER MONITORING AND SAMPLING**

The groundwater monitoring well network, consisting of five onsite and one offsite monitoring wells, has been monitored and sampled on a quarterly basis since August 1990. During the most recent groundwater sampling event conducted on March 26, 2009, reported depth to groundwater ranged from 5.17 feet (U-2) to 10.70 feet (U-3) below top of casing (TOC).

The groundwater flow direction was reported at a gradient of 0.03 feet per foot (ft/ft) east and west. This is inconsistent with a gradient of 0.05 ft/ft west and northeast during the previous sampling event (December 22, 2008). Reported historical groundwater flow direction has been primarily to the northwest.

Groundwater concentrations are reported as follows.

**TPH-G** was detected in three of the six sampled wells with a maximum concentration of 5,700 µg/L in well U-1. This is a decrease from a maximum concentration of 6,400 µg/L in this well during the previous sampling event. U-2 and U-5 showed

concentrations of 5,200 µg/L and 310 µg/L respectively during the current sampling event.

**Benzene** was detected in one of the six sampled wells with a maximum concentration of 8.9 µg/L in well U-2. This is a decrease from a maximum concentration of 24 µg/L in this well during the previous sampling event.

**MTBE** Detected in three of the six sampled wells with a maximum concentration of 150 µg/l in well U-2. This is a decrease from a maximum concentration of 160 µg/l in this well during the previous sampling event. U-1 and U-5 showed concentrations of 10 µg/L and 9.4 µg/L respectively during the current sampling period.

**Ethylbenzene** was detected in two of the six wells at a maximum concentration of 72 µg/L in U-1 during the current sampling event. This is a decrease from a maximum concentration of 160 µg/L in U-2 during the previous sampling event. U-2 showed a concentration of 47 µg/L respectively during the current sampling event.

**Total Xylenes** was detected in two of the six wells at a maximum concentration of 22 µg/L in U-2 during the current sampling event. This is a decrease from a maximum concentration of 31 µg/L in this well during the previous sampling event. U-1 showed a concentration of 6.5 µg/L respectively during the current sampling event.

Additionally, toluene was not detected above laboratory reporting limits in any of the wells sampled during the current sampling event.

## **REMEDIATION STATUS**

A 3-month ozone sparge event was completed from June through August 2006. TRC completed two quarters of post-remedial groundwater monitoring. Ozone sparging is being considered as a remediation method at the site.

## **CHARACTERIZATION STATUS**

As noted, TPH-G, benzene, and MTBE were detected during the most recent groundwater sampling event at 5,700 µg/L (U-1), 8.9 µg/L (U-2), and 150 µg/L (U-2), respectively. Ozone injection appears to be a viable option for remediation at the site and is being considered as the most applicable method.

## **RECENT CORRESPONDENCE**

No regulatory correspondence were received or sent during the first quarter 2009.

## **THIS QUARTER ACTIVITIES (First Quarter 2009)**

- Monitoring and sampling of the groundwater monitoring well network was conducted by TRC on March 26, 2009.
- TRC prepared the *Quarterly Monitoring Report, January through March 2009*, dated April 17, 2009.

- Delta prepared the *Quarterly Status Report - First Quarter 2009*, dated April 20, 2009.

**NEXT QUARTER ACTIVITIES (Second Quarter 2009)**

- TRC will perform the second quarter 2009 groundwater monitoring and sampling event and will prepare a quarterly monitoring report. Note: As of May 1, 2009, Delta will be handling this site in its entirety, in accordance with the Environmental Liability Transfer agreed upon between Delta and ConocoPhillips.

**CONSULTANT: Delta Consultants**



21 Technology Drive  
Irvine, CA 92618

949.727.9336 PHONE  
949.727.7399 FAX

www.TRCSolutions.com

DATE: April 17, 2009

TO: Delta Consultants  
11050 White Rock Road, Suite 110  
Rancho Cordova, CA 95670

ATTN: MR. JOHN REAY

SITE: 76 STATION 5325  
3220 LAKESHORE AVENUE  
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT  
JANUARY THROUGH MARCH 2009

This Quarterly Monitoring Report for 76 Station 5325 is being sent to you for your review and comment. If no comments are received **April 24, 2009** copies of this report will be sent to you for distribution.

Please send all comments to me at [cherrera@trcsolutions.com](mailto:cherrera@trcsolutions.com). If you have any questions regarding this report, please call me at (949) 727-7345.

Sincerely,

A handwritten signature in black ink, appearing to read "Christina Carrillo". The signature is stylized with large, overlapping loops. The letters "TRC" are printed in a small font above the beginning of the signature.

Christina Carrillo  
Technical Writer





21 Technology Drive  
Irvine, CA 92618

949.727.9336 PHONE  
949.727.7399 FAX

www.TRCSolutions.com

DATE: April 17, 2009

TO: ConocoPhillips Company  
76 Broadway  
Sacramento, CA 95818

ATTN: MR. TERRY GRAYSON

SITE: 76 STATION 5325  
3220 LAKESHORE AVENUE  
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT  
JANUARY THROUGH MARCH 2009

Dear Mr. Grayson:

Please find enclosed our Quarterly Monitoring Report for 76 Station 5325, located at 3220 Lakeshore Avenue, Oakland, California. If you have any questions regarding this report, please call us at (949) 727-9336.

Sincerely,

TRC

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

*for:* Anju Farfan  
Groundwater Program Operations Manager

CC: Mr. John Reay, Delta Consultants (2 copies)

Enclosures  
20-0400/5325R23 QMS

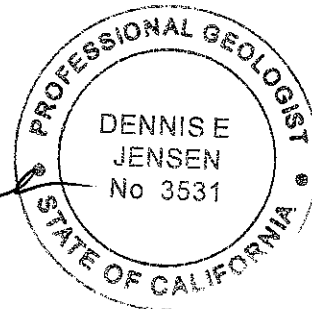
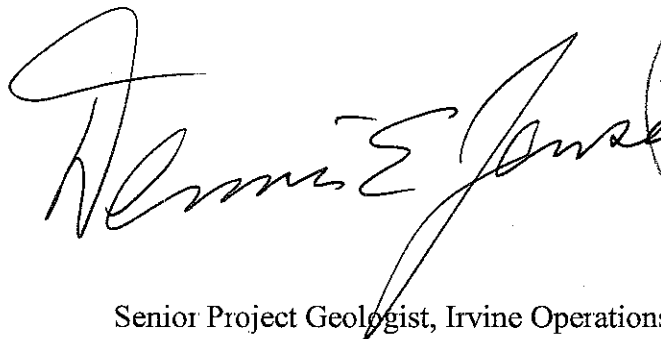
**QUARTERLY MONITORING REPORT  
JANUARY THROUGH MARCH 2009**

76 STATION 5325  
3220 Lakeshore Avenue  
Oakland, California

Prepared For:

Mr. Terry Grayson  
CONOCOPHILLIPS COMPANY  
76 Broadway  
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations

Date: 4/16/09



## LIST OF ATTACHMENTS

Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Contents of Tables Table 1: Current Fluid Levels and Selected Analytical Results Table 1a: Additional Current Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 2a: Additional Historic Analytical Results Table 2b: Additional Historic Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G (GC/MS) Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time TPH-G Concentrations vs. Time Benzene Concentrations vs. Time MTBE Concentrations vs. Time
Field Activities	General Field Procedures Field Monitoring Data Sheet – 03/26/09 Groundwater Sampling Field Notes – 03/26/09
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

**Summary of Gauging and Sampling Activities**  
**January 2009 through March 2009**  
**76 Station 5325**  
**3220 Lakeshore Avenue**  
**Oakland, CA**

Project Coordinator: **Terry Grayson**  
Telephone: **916-558-7666**

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

Date(s) of Gauging/Sampling Event: **03/26/09**

---

**Sample Points**

Groundwater wells: **5** onsite, **1** offsite      Points gauged: **6**      Points sampled: **6**  
Purging method: **Submersible pump**  
Purge water disposal: **Veolia/Rodeo Unit 100**  
Other Sample Points: **0**      Type: --

---

**Liquid Phase Hydrocarbons (LPH)**

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

---

**Hydrogeologic Parameters**

Depth to groundwater (below TOC):      Minimum: **5.17 feet**      Maximum: **10.7 feet**  
Average groundwater elevation (relative to available local datum): **1.57 feet**  
Average change in groundwater elevation since previous event: **0.42 feet**  
Interpreted groundwater gradient and flow direction:  
    Current event: **0.03 ft/ft, east and west**  
    Previous event: **0.05 ft/ft, west and northeast (12/22/08)**

---

**Selected Laboratory Results**

Sample Points with detected **Benzene**: **1**      Sample Points above MCL (1.0 µg/l): **1**  
    Maximum reported benzene concentration: **8.9 µg/l (U-2)**

Sample Points with **TPH-G by GC/MS** **3**      Maximum: **5,700 µg/l (U-1)**  
Sample Points with **MTBE 8260B** **3**      Maximum: **150 µg/l (U-2)**

---

**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
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)
D	=	duplicate
P	=	no-purge sample

### 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
IBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	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
IRPH	=	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.

### REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 5325 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 5325

#### Current Event

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

Table 1a	Well/ Date	Ethanol (8260B)	Iron Ferrous	Nitrate	Phosphate (ortho)	Pre-purge Dissolved Oxygen	Pre-purge ORP
----------	---------------	--------------------	-----------------	---------	----------------------	----------------------------------	------------------

#### Historic Data

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

Table 2a	Well/ Date	TBA	Ethanol (8260B)	Ethylene- dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Acenaph- thylene	Iron Ferrous	Nitrate	Phosphate (ortho)	Phosphate (total)
----------	---------------	-----	--------------------	---------------------------------	------------------	------	------	------	---------------------	-----------------	---------	----------------------	----------------------

Table 2b	Well/ Date	Redox Potential (ORP-Lab)	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
----------	---------------	---------------------------------	-----------------------------------	----------------------------------	------------------	-------------------

**Table 1**  
**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 26, 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-1</b>			<b>(Screen Interval in feet: 5.0-20.0)</b>											
03/26/09	8.46	7.55	0.00	0.91	0.15	--	5700	ND<2.5	ND<2.5	72	6.5	--	10	
<b>U-2</b>			<b>(Screen Interval in feet: 5.0-20.0)</b>											
03/26/09	7.62	5.17	0.00	2.45	-0.19	--	5200	8.9	ND<2.5	47	22	--	150	
<b>U-3</b>			<b>(Screen Interval in feet: 5.0-20.0)</b>											
03/26/09	10.98	10.70	0.00	0.28	0.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>U-4</b>			<b>(Screen Interval in feet: 5.0-20.0)</b>											
03/26/09	11.15	7.21	0.00	3.94	1.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>U-5</b>			<b>(Screen Interval in feet: 5.0-20.0)</b>											
03/26/09	6.98	6.20	0.00	0.78	0.63	--	310	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.4	
<b>U-6</b>			<b>(Screen Interval in feet: 5.0-24.0)</b>											
03/26/09	7.14	6.10	0.00	1.04	0.38	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	ND<2.5	



**Table 1 a**  
**ADDITIONAL CURRENT ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Ethanol (8260B) (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)
<b>U-1</b> 03/26/09	ND<1200	2400	ND<0.10	0.11	--	--
<b>U-2</b> 03/26/09	ND<1200	2600	ND<0.10	ND<0.050	1.56	-73
<b>U-3</b> 03/26/09	ND<250	ND<100	4.8	0.66	1.98	59
<b>U-4</b> 03/26/09	ND<250	ND<100	4.4	0.37	2.96	17
<b>U-5</b> 03/26/09	ND<250	990	ND<0.10	ND<0.050	0.39	-88
<b>U-6</b> 03/26/09	ND<1200	540000	ND<0.10	0.28	1.67	39

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-1</b>														
<b>(Screen Interval in feet: 5.0-20.0)</b>														
08/10/90	--	--	--	--	--	690	--	38	75	8.6	130	--	--	
01/07/91	--	--	--	--	--	250	--	22	16	4.2	17	--	--	
04/01/91	--	--	--	--	--	160	--	13	8.6	1.0	15	--	--	
07/03/91	--	--	--	--	--	140	--	21	4.3	0.36	17	--	--	
10/09/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/12/92	--	--	--	--	--	250	--	ND	ND	ND	ND	--	--	
05/05/92	--	--	--	--	--	230	--	1.2	ND	ND	ND	--	--	
06/11/92	--	--	--	--	--	1000	--	80	1.4	6.7	41	--	--	
08/20/92	--	--	--	--	--	400	--	1.0	ND	ND	0.6	--	--	
02/22/93	--	--	--	--	--	34000	--	1400	5500	910	7300	--	--	
05/07/93	--	--	--	--	--	8700	--	600	240	650	3300	--	--	
08/08/93	--	--	--	--	--	4900	--	79	ND	832	270	--	--	
11/16/93	5.32	8.61	0.00	-3.29	--	690	--	ND	ND	ND	ND	--	--	
02/16/94	5.32	8.54	0.00	-3.22	0.07	6800	--	ND	ND	ND	ND	--	--	
06/22/94	8.46	8.39	0.00	0.07	3.29	200	--	ND	ND	5.9	21	--	--	
09/22/94	8.46	8.66	0.00	-0.20	-0.27	6100	--	ND	ND	ND	ND	--	--	
12/24/94	8.46	8.04	0.00	0.42	0.62	50000	--	2500	9700	2400	17000	--	--	
03/25/95	8.46	7.72	0.37	1.02	0.60	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
06/21/95	8.46	9.30	0.20	-0.69	-1.71	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
09/19/95	8.46	9.29	0.40	-0.53	0.16	--	--	--	--	--	--	--	--	Not sampled due to LPH in well

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-1 continued</b>														
12/19/95	8.46	8.98	0.03	-0.50	0.03	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
03/18/96	8.46	8.25	0.00	0.21	0.71	27000	--	ND	2300	1400	11000	4900	--	
06/27/96	8.46	7.92	0.00	0.54	0.33	120000	--	540	4300	2600	26000	ND	--	
09/26/96	8.46	9.10	0.02	-0.63	-1.17	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
12/09/96	8.46	6.88	0.03	1.60	2.23	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
03/14/97	8.46	9.02	0.55	-0.15	-1.75	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
06/30/97	8.46	8.41	0.02	0.07	0.21	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
09/19/97	8.46	8.56	0.02	-0.09	-0.15	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
12/12/97	8.46	8.58	0.01	-0.11	-0.03	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
03/03/98	8.46	8.23	0.04	0.26	0.37	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
06/15/98	8.46	8.37	0.00	0.09	-0.17	52000	--	ND	900	1800	13000	ND	--	Sheen
09/30/98	8.46	8.94	0.00	-0.48	-0.57	1000000	--	ND	2600	13000	83000	4800	--	Sheen
12/28/98	8.46	8.57	0.00	-0.11	0.37	1100000	--	ND	1600	8600	71000	5700	--	
03/22/99	8.46	8.18	0.00	0.28	0.39	130000	--	470	1100	2000	28000	5700	--	Sheen
06/09/99	8.46	9.37	0.00	-0.91	-1.19	40000	--	230	640	590	13000	3500	2100	
09/08/99	8.46	9.53	0.00	-1.07	-0.16	55000	--	217	202	745	14300	6890	6690	
12/07/99	8.46	9.67	0.00	-1.21	-0.14	41200	--	89.3	ND	385	6930	15800	14700	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G					Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
							(GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)					
<b>U-1 continued</b>															
03/13/00	8.46	8.44	0.00	0.02	1.23	48000	--	490	610	2400	10000	22000	23000		
06/21/00	8.46	9.45	0.00	-0.99	-1.01	37000	--	200	ND	1200	7200	15000	20000		
09/27/00	8.46	9.29	0.00	-0.83	0.16	15000	--	92	ND	540	2800	74000	83000		
12/12/00	8.46	9.37	0.00	-0.91	-0.08	50000	--	ND	ND	250	1900	12000	15000		
03/07/01	8.46	8.45	0.00	0.01	0.92	6220	--	29.8	10.4	96.3	638	11200	11800		
06/06/01	8.46	9.29	0.00	-0.83	-0.84	5200	--	17	ND	69	420	6500	8700		
09/24/01	8.46	9.39	0.00	-0.93	-0.10	4300	--	36	ND<25	65	590	4400	4400		
12/10/01	8.46	9.17	0.00	-0.71	0.22	11000	--	220	ND<100	380	1500	5100	5100		
03/11/02	8.46	9.44	0.00	-0.98	-0.27	5500	--	28	ND<20	360	690	6400	6300		
06/04/02	8.46	8.32	0.00	0.14	1.12	4600	--	31	ND<10	240	180	6500	--		
09/03/02	8.46	9.36	0.00	-0.90	-1.04	2300	--	ND<12	ND<12	ND<12	68	3500	4700		
12/03/02	8.46	8.18	0.00	0.28	1.18	--	ND<5000	ND<50	ND<50	ND<50	<100	--	4700		
03/04/03	8.46	8.29	0.00	0.17	-0.11	--	8900	26	ND<25	400	130	--	5500		
06/18/03	8.46	7.58	0.00	0.88	0.71	--	8300	ND<25	ND<25	ND<25	ND<50	--	10000		
09/24/03	8.46	8.18	0.00	0.28	-0.60	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	11000		
12/02/03	8.46	8.90	0.00	-0.44	-0.72	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	11000		
03/30/04	8.46	8.38	0.00	0.08	0.52	--	12000	ND<100	ND<100	190	ND<200	--	13000		
06/07/04	8.46	10.35	0.00	-1.89	-1.97	--	13000	ND<100	ND<100	ND<100	ND<200	--	12000		
09/09/04	8.46	--	--	--	--	--	--	--	--	--	--	--	--		Dry well
12/20/04	8.46	9.00	0.00	-0.54	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.2		
03/28/05	8.46	8.10	0.00	0.36	0.90	--	37000	ND<10	ND<10	1500	5300	--	460		
06/14/05	8.46	8.91	0.00	-0.45	-0.81	--	3900	ND<0.50	ND<0.50	48	68	--	60		
09/28/05	8.46	11.35	0.00	-2.89	-2.44	--	560	ND<0.50	0.60	3.0	26	--	18		

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-1 continued</b>														
12/29/05	8.46	8.58	0.00	-0.12	2.77	--	510	0.77	ND<0.50	27	63	--	62	
03/27/06	8.46	7.20	0.00	1.26	1.38	--	29000	ND<25	ND<25	1500	4900	--	300	
06/12/06	8.46	7.81	0.00	0.65	-0.61	--	3200	ND<0.50	ND<0.50	42	15	--	56	
09/21/06	8.46	8.04	0.00	0.42	-0.23	--	2600	ND<12	ND<12	ND<12	ND<12	--	30	
12/21/06	8.46	8.32	0.00	0.14	-0.28	--	2000	ND<0.50	ND<0.50	13	2.2	--	53	
03/28/07	8.46	6.17	0.00	2.29	2.15	--	12000	ND<2.5	ND<2.5	690	1900	--	110	
06/27/07	8.46	5.39	0.00	3.07	0.78	--	13000	2.8	ND<2.5	960	1300	--	79	
09/26/07	8.46	5.32	0.00	3.14	0.07	--	6900	2.6	ND<2.5	310	680	--	44	
12/27/07	8.46	8.12	0.00	0.34	-2.80	--	5900	ND<2.5	ND<2.5	290	130	--	42	
03/26/08	8.46	7.84	0.00	0.62	0.28	--	3500	ND<2.5	ND<2.5	100	18	--	30	
06/18/08	8.46	7.04	0.00	1.42	0.80	--	8400	ND<5.0	ND<5.0	230	86	--	26	
09/24/08	8.46	6.90	0.00	1.56	0.14	--	6000	3.3	ND<2.5	170	86	--	78	
12/22/08	8.46	7.70	0.00	0.76	-0.80	--	6400	0.64	ND<0.50	95	7.0	--	12	
03/26/09	8.46	7.55	0.00	0.91	0.15	--	5700	ND<2.5	ND<2.5	72	6.5	--	10	
<b>U-2 (Screen Interval in feet: 5.0-20.0)</b>														
08/10/90	--	--	--	--	--	780	--	27	46	15	130	--	--	
01/07/91	--	--	--	--	--	1900	--	67	5.8	58	69	--	--	
04/01/91	--	--	--	--	--	1700	--	250	89	34	190	--	--	
07/03/91	--	--	--	--	--	2100	--	150	25	3.1	290	--	--	
10/09/91	--	--	--	--	--	230	--	7.1	ND	ND	11	--	--	
02/12/92	--	--	--	--	--	410	--	1.9	ND	0.36	0.4	--	--	
05/05/92	--	--	--	--	--	1600	--	120	52	6.2	290	--	--	
06/11/92	--	--	--	--	--	620	--	17	2.1	ND	37	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-2 continued</b>														
08/20/92	--	--	--	--	--	700	--	28	6.5	1.3	4.6	--	--	
02/22/93	--	--	--	--	--	3400	--	2400	2100	1200	5800	--	--	
05/07/93	--	--	--	--	--	17000	--	1800	660	1700	4000	--	--	
08/08/93	--	--	--	--	--	5600	--	420	ND	410	670	--	--	
11/16/93	4.53	8.17	0.00	-3.64	--	510	--	ND	ND	ND	ND	--	--	
02/16/94	4.53	7.73	0.00	-3.20	0.44	980	--	49	13	2.7	40	--	--	
06/22/94	7.62	7.60	0.00	0.02	3.22	31000	--	2200	62	1500	3500	--	--	
09/22/94	7.62	7.93	0.00	-0.31	-0.33	8500	--	29	ND	ND	ND	--	--	
12/24/94	7.62	7.27	0.00	0.35	0.66	32000	--	1500	890	1300	5000	--	--	
03/25/95	7.62	7.01	0.00	0.61	0.26	170000	--	1900	21000	4800	33000	--	--	
06/21/95	7.62	6.98	0.00	0.64	0.03	16000	--	2100	ND	1800	1700	--	--	
09/19/95	7.62	7.70	0.00	-0.08	-0.72	3000	--	610	ND	78	240	--	--	
12/19/95	7.62	7.30	0.00	0.32	0.40	1600	--	140	55	52	270	--	--	
03/18/96	7.62	6.45	0.00	1.17	0.85	12000	--	2200	ND	1200	2200	22000	--	
06/27/96	7.62	7.41	0.00	0.21	-0.96	28000	--	3400	ND	2800	3100	3000	--	
09/26/96	7.62	7.90	0.00	-0.28	-0.49	5900	--	750	ND	ND	ND	18000	--	
12/09/96	7.62	6.76	0.00	0.86	1.14	13000	--	5100	290	980	370	2700	--	
03/14/97	7.62	7.12	0.03	0.52	-0.34	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
06/30/97	7.62	6.19	0.00	1.43	0.91	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
09/19/97	7.62	7.31	0.00	0.31	-1.12	--	--	--	--	--	--	--	--	Not sampled due to LPH in well

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-2 continued</b>														
12/12/97	7.62	6.75	0.00	0.87	0.56	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
03/03/98	7.62	6.36	0.00	1.26	0.39	80000	--	3000	1100	820	16000	16000	--	Sheen
06/15/98	7.62	6.51	0.00	1.11	-0.15	48000	--	1800	330	470	7900	20000	--	Sheen
09/30/98	7.62	7.17	0.00	0.45	-0.66	60000	--	1300	ND	500	9700	19000	--	Sheen
12/28/98	7.62	7.06	0.00	0.56	0.11	63000	--	590	160	320	5600	16000	--	
03/22/99	7.62	6.82	0.00	0.80	0.24	28000	--	1100	ND	360	2900	25000	--	
06/09/99	7.62	7.51	0.00	0.11	-0.69	21000	--	110	190	310	2600	7900	7800	
09/08/99	7.62	8.16	0.00	-0.54	-0.65	23300	--	477	138	286	4110	16400	15300	
12/07/99	7.62	8.31	0.00	-0.69	-0.15	4840	--	17.2	ND	ND	157	14900	15600	
03/13/00	7.62	6.69	0.00	0.93	1.62	11000	--	380	160	ND	2100	22000	26000	
06/21/00	7.62	7.67	0.00	-0.05	-0.98	9100	--	22	ND	ND	800	16000	22000	
09/27/00	7.62	7.44	0.00	0.18	0.23	2900	--	43	ND	ND	39	20000	26000	
12/12/00	7.62	7.51	0.00	0.11	-0.07	3600	--	17	ND	ND	87	8000	7800	
03/07/01	7.62	7.15	0.00	0.47	0.36	1670	--	51.0	ND	7.20	19.5	5930	7900	
06/06/01	7.62	7.57	0.00	0.05	-0.42	1100	--	14	ND	9.3	35	9200	10000	
09/24/01	7.62	7.63	0.00	-0.01	-0.06	1000	--	25	ND<2.5	12	100	9800	11000	
12/10/01	7.62	6.78	0.00	0.84	0.85	83	--	14	0.55	3.4	6.8	2500	2500	
03/11/02	7.62	7.12	0.00	0.50	-0.34	ND<1000	--	28	ND<10	40	31	11000	11000	
06/04/02	7.62	7.18	0.00	0.44	-0.06	7700	--	32	ND<25	33	48	14000	--	
09/03/02	7.62	7.58	0.00	0.04	-0.40	5200	--	ND<25	ND<25	ND<25	ND<25	11000	15000	
12/03/02	7.62	7.68	0.00	-0.06	-0.10	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	3200	
03/04/03	7.62	7.77	0.00	-0.15	-0.09	--	8100	ND<50	ND<50	ND<50	ND<100	--	7800	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation  (feet)	Depth to Water  (feet)	LPH Thickness  (feet)	Ground- water Elevation  (feet)	Change in Elevation  (feet)	TPH-G 8015 (Luft)  (µg/l)	TPH-G					Total Xylenes  (µg/l)	MTBE (8021B)  (µg/l)	MTBE (8260B)  (µg/l)	Comments
							(GC/MS)  (µg/l)	Benzene  (µg/l)	Toluene  (µg/l)	Ethyl- benzene  (µg/l)					
<b>U-2 continued</b>															
06/18/03	7.62	6.87	0.00	0.75	0.90	--	11000	ND<50	ND<50	ND<50	ND<100	--	16000		
09/24/03	7.62	7.49	0.00	0.13	-0.62	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	10000		
12/02/03	7.62	7.95	0.00	-0.33	-0.46	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	10000		
03/30/04	7.62	7.07	0.00	0.55	0.88	--	12000	ND<100	ND<100	ND<100	ND<200	--	11000		
06/07/04	7.62	7.75	0.00	-0.13	-0.68	--	14000	ND<100	ND<100	ND<100	ND<200	--	13000		
09/09/04	7.62	8.65	0.00	-1.03	-0.90	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	9500		
12/20/04	7.62	7.73	0.00	-0.11	0.92	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	11000		
03/28/05	7.62	6.24	0.00	1.38	1.49	--	12000	ND<50	ND<50	160	120	--	7000		
06/14/05	7.62	7.05	0.00	0.57	-0.81	--	2000	0.75	ND<0.50	3.7	1.1	--	2400		
09/28/05	7.62	8.00	0.00	-0.38	-0.95	--	320	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	80		
12/29/05	7.62	7.23	0.00	0.39	0.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	35		
03/27/06	7.62	5.31	0.00	2.31	1.92	--	2400	31	0.73	120	15	--	1400		
06/12/06	7.62	6.25	0.00	1.37	-0.94	--	ND<1200	ND<12	ND<12	17	ND<25	--	490		
09/21/06	7.62	6.00	0.00	1.62	0.25	--	440	6.1	ND<0.50	1.7	ND<0.50	--	1100		
12/21/06	7.62	6.08	0.00	1.54	-0.08	--	670	10	ND<0.50	52	1.2	--	730		
03/28/07	7.62	5.05	0.00	2.57	1.03	--	3300	36	ND<5.0	200	6.8	--	1200		
06/27/07	7.62	4.80	0.00	2.82	0.25	--	5100	94	ND<5.0	640	7.1	--	1100		
09/26/07	7.62	4.73	0.00	2.89	0.07	--	3900	54	ND<5.0	240	240	--	670		
12/27/07	7.62	5.80	0.00	1.82	-1.07	--	2200	21	ND<5.0	77	16	--	470		
03/26/08	7.62	5.62	0.00	2.00	0.18	--	4300	45	ND<2.5	210	77	--	580		
06/18/08	7.62	5.30	0.00	2.32	0.32	--	5400	31	ND<5.0	270	38	--	250		
09/24/08	7.62	5.10	0.00	2.52	0.20	--	4400	24	ND<0.50	190	24	--	300		
12/22/08	7.62	4.98	0.00	2.64	0.12	--	6200	24	ND<0.50	160	31	--	160		



**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-2 continued</b>														
03/26/09	7.62	5.17	0.00	2.45	-0.19	--	5200	8.9	ND<2.5	47	22	--	150	
<b>U-3 (Screen Interval in feet: 5.0-20.0)</b>														
08/10/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/07/91	--	--	--	--	--	ND	--	ND	ND	ND	1.8	--	--	
04/01/91	--	--	--	--	--	ND	--	1.0	2.9	0.53	5.4	--	--	
07/03/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/09/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/12/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
05/05/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
06/11/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
08/20/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/22/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
05/07/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
08/08/93	--	--	--	--	--	210	--	5.0	9.7	0.7	4.1	--	--	
11/16/93	7.86	11.82	0.00	-3.96	--	ND	--	ND	ND	ND	ND	--	--	
02/16/94	7.86	11.62	0.00	-3.76	0.20	ND	--	ND	ND	ND	ND	--	--	
06/22/94	10.98	11.64	0.00	-0.66	3.10	ND	--	ND	ND	ND	ND	--	--	
09/22/94	10.98	11.76	0.00	-0.78	-0.12	ND	--	ND	ND	ND	ND	--	--	
12/24/94	10.98	11.28	0.00	-0.30	0.48	ND	--	ND	ND	ND	ND	--	--	
03/25/95	10.98	10.96	0.00	0.02	0.32	ND	--	ND	ND	ND	ND	--	--	
06/21/95	10.98	11.37	0.00	-0.39	-0.41	ND	--	ND	ND	ND	ND	--	--	
09/19/95	10.98	11.55	0.00	-0.57	-0.18	ND	--	ND	ND	ND	ND	--	--	
12/19/95	10.98	11.45	0.00	-0.47	0.10	ND	--	ND	ND	ND	ND	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G					Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
							(GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)					
<b>U-3 continued</b>															
03/18/96	10.98	11.10	0.00	-0.12	0.35	ND	--	ND	ND	ND	ND	ND	--	--	
06/27/96	10.98	11.16	0.00	-0.18	-0.06	440	--	49	50	51	140	50	--	--	
09/26/96	10.98	11.55	0.00	-0.57	-0.39	ND	--	ND	ND	ND	ND	ND	--	--	
12/09/96	10.98	10.12	0.00	0.86	1.43	ND	--	ND	ND	ND	ND	29	--	--	
03/14/97	10.98	10.87	0.00	0.11	-0.75	ND	--	ND	ND	ND	ND	ND	--	--	
06/30/97	10.98	11.08	0.00	-0.10	-0.21	ND	--	ND	ND	ND	ND	ND	--	--	
09/19/97	10.98	11.05	0.00	-0.07	0.03	ND	--	ND	ND	ND	ND	ND	--	--	
12/12/97	10.98	10.58	0.00	0.40	0.47	ND	--	ND	ND	ND	ND	ND	--	--	
03/03/98	10.98	9.84	0.00	1.14	0.74	ND	--	ND	ND	ND	ND	ND	--	--	
06/15/98	10.98	10.56	0.00	0.42	-0.72	ND	--	ND	ND	ND	ND	ND	--	--	
09/30/98	10.98	11.12	0.00	-0.14	-0.56	ND	--	ND	ND	ND	ND	ND	--	--	
12/28/98	10.98	10.96	0.00	0.02	0.16	ND	--	ND	ND	ND	ND	ND	--	--	
03/22/99	10.98	9.46	0.00	1.52	1.50	ND	--	ND	ND	ND	ND	ND	--	--	
06/09/99	10.98	11.01	0.00	-0.03	-1.55	ND	--	ND	ND	ND	ND	ND	--	--	
09/08/99	10.98	11.31	0.00	-0.33	-0.30	ND	--	ND	ND	ND	ND	ND	--	--	
12/07/99	10.98	11.26	0.00	-0.28	0.05	ND	--	ND	ND	ND	ND	ND	--	--	
03/13/00	10.98	8.28	0.00	2.70	2.98	ND	--	ND	ND	ND	ND	ND	--	--	
06/21/00	10.98	11.12	0.00	-0.14	-2.84	ND	--	ND	ND	ND	ND	ND	--	--	
09/27/00	10.98	11.07	0.00	-0.09	0.05	ND	--	ND	ND	ND	ND	ND	--	--	
12/12/00	10.98	10.94	0.00	0.04	0.13	ND	--	ND	ND	ND	ND	ND	--	--	
03/07/01	10.98	8.32	0.00	2.66	2.62	ND	--	ND	ND	ND	ND	ND	--	--	
06/06/01	10.98	10.94	0.00	0.04	-2.62	ND	--	ND	ND	ND	ND	ND	--	--	
09/24/01	10.98	11.03	0.00	-0.05	-0.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G					Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
							(GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)					
<b>U-3 continued</b>															
12/10/01	10.98	8.16	0.00	2.82	2.87	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
03/11/02	10.98	7.82	0.00	3.16	0.34	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
06/04/02	10.98	10.58	0.00	0.40	-2.76	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
09/03/02	10.98	10.94	0.00	0.04	-0.36	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/03/02	10.98	10.66	0.00	0.32	0.28	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0		
03/04/03	10.98	10.76	0.00	0.22	-0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0		
06/18/03	10.98	10.26	0.00	0.72	0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0		
09/24/03	10.98	10.88	0.00	0.10	-0.62	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0		
12/02/03	10.98	11.00	0.00	-0.02	-0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0		
03/30/04	10.98	10.64	0.00	0.34	0.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
06/07/04	10.98	11.00	0.00	-0.02	-0.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
09/09/04	10.98	11.31	0.00	-0.33	-0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
12/20/04	10.98	10.79	0.00	0.19	0.52	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
03/28/05	10.98	9.80	0.00	1.18	0.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
06/14/05	10.98	10.75	0.00	0.23	-0.95	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.2	--	ND<0.50		
09/28/05	10.98	11.16	0.00	-0.18	-0.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
12/29/05	10.98	10.41	0.00	0.57	0.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
03/27/06	10.98	10.16	0.00	0.82	0.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
06/12/06	10.98	9.94	0.00	1.04	0.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
09/21/06	10.98	11.01	0.00	-0.03	-1.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50		
12/21/06	10.98	10.92	0.00	0.06	0.09	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50		
03/28/07	10.98	10.84	0.00	0.14	0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50		
06/27/07	10.98	10.93	0.00	0.05	-0.09	--	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**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-3 continued</b>														
09/26/07	10.98	11.01	0.00	-0.03	-0.08	--	770	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	18	
12/27/07	10.98	10.93	0.00	0.05	0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.63	
03/26/08	10.98	10.84	0.00	0.14	0.09	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/18/08	10.98	10.89	0.00	0.09	-0.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/24/08	10.98	10.90	0.00	0.08	-0.01	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.87	
12/22/08	10.98	10.93	0.00	0.05	-0.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/26/09	10.98	10.70	0.00	0.28	0.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>U-4 (Screen Interval in feet: 5.0-20.0)</b>														
06/22/94	11.15	10.16	0.00	0.99	--	ND	--	ND	ND	ND	ND	--	--	
09/22/94	11.15	10.79	0.00	0.36	-0.63	ND	--	0.78	1.3	ND	1.4	--	--	
12/24/94	11.15	9.81	0.00	1.34	0.98	ND	--	ND	ND	ND	ND	--	--	
03/25/95	11.15	9.51	0.00	1.64	0.30	ND	--	ND	ND	ND	ND	--	--	
06/21/95	11.15	9.54	0.00	1.61	-0.03	ND	--	ND	ND	ND	ND	--	--	
09/19/95	11.15	10.17	0.00	0.98	-0.63	ND	--	ND	ND	ND	ND	--	--	
12/19/95	11.15	9.98	0.00	1.17	0.19	ND	--	ND	ND	ND	ND	--	--	
03/18/96	11.15	9.66	0.00	1.49	0.32	ND	--	ND	ND	ND	ND	--	--	
06/27/96	11.15	9.74	0.00	1.41	-0.08	ND	--	ND	ND	ND	ND	ND	--	
09/26/96	11.15	10.14	0.00	1.01	-0.40	ND	--	ND	ND	ND	ND	ND	--	
12/09/96	11.15	8.67	0.00	2.48	1.47	ND	--	ND	ND	ND	ND	33	--	
03/14/97	11.15	9.35	0.00	1.80	-0.68	ND	--	ND	ND	ND	ND	ND	--	
06/30/97	11.15	9.89	0.00	1.26	-0.54	ND	--	ND	ND	ND	ND	ND	--	
09/19/97	11.15	9.96	0.00	1.19	-0.07	ND	--	ND	ND	ND	ND	ND	--	
12/12/97	11.15	8.56	0.00	2.59	1.40	ND	--	ND	ND	ND	ND	ND	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-4 continued</b>														
03/03/98	11.15	7.85	0.00	3.30	0.71	ND	--	ND	ND	ND	ND	ND	--	
06/15/98	11.15	9.08	0.00	2.07	-1.23	ND	--	ND	ND	ND	ND	ND	--	
09/30/98	11.15	9.75	0.00	1.40	-0.67	ND	--	ND	ND	ND	ND	ND	--	
12/28/98	11.15	9.59	0.00	1.56	0.16	ND	--	ND	ND	ND	ND	ND	--	
03/22/99	11.15	8.34	0.00	2.81	1.25	ND	--	ND	ND	ND	ND	ND	--	
06/09/99	11.15	9.39	0.00	1.76	-1.05	ND	--	ND	ND	ND	ND	ND	--	
09/08/99	11.15	9.90	0.00	1.25	-0.51	ND	--	ND	ND	ND	ND	ND	--	
12/07/99	11.15	10.05	0.00	1.10	-0.15	ND	--	ND	ND	ND	ND	ND	--	
03/13/00	11.15	7.24	0.00	3.91	2.81	ND	--	ND	ND	ND	ND	ND	--	
06/21/00	11.15	9.48	0.00	1.67	-2.24	ND	--	ND	ND	ND	ND	ND	--	
09/27/00	11.15	9.42	0.00	1.73	0.06	ND	--	ND	ND	ND	ND	ND	--	
12/12/00	11.15	9.50	0.00	1.65	-0.08	ND	--	ND	ND	ND	ND	ND	--	
03/07/01	11.15	6.88	0.00	4.27	2.62	ND	--	ND	ND	ND	ND	ND	--	
06/06/01	11.15	9.18	0.00	1.97	-2.30	ND	--	ND	ND	ND	ND	ND	--	
09/24/01	11.15	9.21	0.00	1.94	-0.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/10/01	11.15	7.32	0.00	3.83	1.89	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
03/11/02	11.15	6.92	0.00	4.23	0.40	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
06/04/02	11.15	7.58	0.00	3.57	-0.66	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
09/03/02	11.15	9.17	0.00	1.98	-1.59	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/03/02	11.15	9.20	0.00	1.95	-0.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/04/03	11.15	9.32	0.00	1.83	-0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
06/18/03	11.15	7.65	0.00	3.50	1.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/24/03	11.15	8.26	0.00	2.89	-0.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G					Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
							(GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)					
<b>U-4 continued</b>															
12/02/03	11.15	9.16	0.00	1.99	-0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0		
03/30/04	11.15	7.47	0.00	3.68	1.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
06/07/04	11.15	8.93	0.00	2.22	-1.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
09/09/04	11.15	9.83	0.00	1.32	-0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
12/20/04	11.15	8.28	0.00	2.87	1.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
03/28/05	11.15	6.35	0.00	4.80	1.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
06/14/05	11.15	8.10	0.00	3.05	-1.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
09/28/05	11.15	9.59	0.00	1.56	-1.49	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
12/29/05	11.15	7.13	0.00	4.02	2.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
03/27/06	11.15	6.27	0.00	4.88	0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
06/12/06	11.15	8.45	0.00	2.70	-2.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
09/21/06	11.15	9.63	0.00	1.52	-1.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50		
12/21/06	11.15	8.50	0.00	2.65	1.13	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50		
03/28/07	11.15	8.00	0.00	3.15	0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50		
06/27/07	11.15	8.78	0.00	2.37	-0.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50		
09/26/07	11.15	9.08	0.00	2.07	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50		
12/27/07	11.15	8.63	0.00	2.52	0.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
03/26/08	11.15	7.86	0.00	3.29	0.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
06/18/08	11.15	8.83	0.00	2.32	-0.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
09/24/08	11.15	9.50	0.00	1.65	-0.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
12/22/08	11.15	8.55	0.00	2.60	0.95	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
03/26/09	11.15	7.21	0.00	3.94	1.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		

U-5  
5325

(Screen Interval in feet: 5.0-20.0)



**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-5 continued</b>														
06/22/94	6.98	6.83	0.00	0.15	--	210	--	7.1	13	4.5	26	--	--	
09/22/94	6.98	6.90	0.00	0.08	-0.07	170	--	8.4	10	8.5	18	--	--	
12/24/94	6.98	6.43	0.00	0.55	0.47	8700	--	560	70	670	430	--	--	
03/25/95	6.98	6.35	0.00	0.63	0.08	44000	--	390	960	1500	7600	--	--	
06/21/95	6.98	7.11	0.00	-0.13	-0.76	400	--	2.3	ND	9.1	3.5	--	--	
09/19/95	6.98	6.99	0.00	-0.01	0.12	850	--	14	7.1	13	66	--	--	
12/19/95	6.98	7.17	0.00	-0.19	-0.18	ND	--	ND	ND	ND	ND	--	--	
03/18/96	6.98	6.65	0.00	0.33	0.52	100	--	0.67	0.5	0.51	5.4	--	--	
06/27/96	6.98	6.49	0.00	0.49	0.16	16000	--	280	150	1400	4600	530	--	
09/26/96	6.98	7.13	0.00	-0.15	-0.64	ND	--	ND	0.57	ND	0.96	ND	--	
12/09/96	6.98	5.90	0.00	1.08	1.23	1300	--	29	46	ND	140	97	--	
03/14/97	6.98	6.99	0.00	-0.01	-1.09	ND	--	ND	ND	ND	ND	14	--	
06/30/97	6.98	7.08	0.00	-0.10	-0.09	4200	--	74	51	180	980	270	--	
09/19/97	6.98	6.78	0.00	0.20	0.30	6300	--	160	13	370	1000	480	--	
12/12/97	6.98	6.94	0.00	0.04	-0.16	60	--	1.3	ND	1.6	2.1	47	--	
03/03/98	6.98	6.50	0.00	0.48	0.44	1700	--	29	ND	150	190	330	--	
06/15/98	6.98	6.85	0.00	0.13	-0.35	1500	--	32	ND	91	83	330	--	
09/30/98	6.98	7.31	0.00	-0.33	-0.46	1700	--	44	ND	39	150	60	--	
12/28/98	6.98	7.25	0.00	-0.27	0.06	1400	--	59	ND	13	27	150	--	
03/22/99	6.98	6.86	0.00	0.12	0.39	780	--	8.9	ND	0.76	4.5	350	--	
06/09/99	6.98	7.28	0.00	-0.30	-0.42	1000	--	ND	ND	10	35	280	350	
09/08/99	6.98	7.52	0.00	-0.54	-0.24	2620	--	26.2	ND	32.2	157	280	239	
12/07/99	6.98	7.67	0.00	-0.69	-0.15	949	--	9.26	ND	11.2	22.7	235	301	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS)					Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
							Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)						
<b>U-5 continued</b>															
03/13/00	6.98	6.73	0.00	0.25	0.94	880	--	12	1.0	5.6	8.7	46	37		
06/21/00	6.98	7.39	0.00	-0.41	-0.66	700	--	4.0	ND	0.99	4.0	120	140		
09/27/00	6.98	7.45	0.00	-0.47	-0.06	400	--	1.9	ND	ND	1.5	160	250		
12/12/00	6.98	7.68	0.00	-0.70	-0.23	770	--	3.2	ND	ND	ND	27	13		
03/07/01	6.98	6.83	0.00	0.15	0.85	623	--	5.15	ND	ND	0.669	35.7	43.4		
06/06/01	6.98	7.42	0.00	-0.44	-0.59	110	--	ND	ND	ND	ND	ND	--		
09/24/01	6.98	7.50	0.00	-0.52	-0.08	270	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	40	42		
12/10/01	6.98	6.65	0.00	0.33	0.85	420	--	13	0.60	0.66	ND<0.50	ND<2.5	--		
03/11/02	6.98	7.00	0.00	-0.02	-0.35	260	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	42	47		
06/04/02	6.98	6.71	0.00	0.27	0.29	170	--	ND<0.50	0.77	0.87	0.69	29	--		
09/03/02	6.98	7.47	0.00	-0.49	-0.76	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	37	53		
12/03/02	6.98	6.64	0.00	0.34	0.83	--	320	ND<0.50	ND<0.50	5.7	ND<1.0	--	11		
03/04/03	6.98	6.75	0.00	0.23	-0.11	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44		
06/18/03	6.98	6.25	0.00	0.73	0.50	--	51	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	36		
09/24/03	6.98	6.86	0.00	0.12	-0.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0		
12/02/03	6.98	7.12	0.00	-0.14	-0.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	24		
03/30/04	6.98	6.88	0.00	0.10	0.24	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	130		
06/07/04	6.98	8.53	0.00	-1.55	-1.65	--	250	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	160		
09/09/04	6.98	12.28	0.00	-5.30	-3.75	--	340	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	260		
12/20/04	6.98	7.51	0.00	-0.53	4.77	--	130	ND<0.50	ND<0.50	1.9	2.0	--	120		
03/28/05	6.98	7.22	0.00	-0.24	0.29	--	670	ND<2.0	ND<2.0	ND<2.0	ND<4.0	--	230		
06/14/05	6.98	7.46	0.00	-0.48	-0.24	--	160	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	400		
09/28/05	6.98	9.59	0.00	-2.61	-2.13	--	460	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	370		



**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-5 continued</b>														
12/29/05	6.98	7.53	0.00	-0.55	2.06	--	150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	190	
03/27/06	6.98	6.29	0.00	0.69	1.24	--	450	ND<0.50	ND<0.50	8.3	ND<1.0	--	70	
06/12/06	6.98	6.45	0.00	0.53	-0.16	--	370	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	61	
09/21/06	6.98	6.60	0.00	0.38	-0.15	--	130	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	35	
12/21/06	6.98	6.92	0.00	0.06	-0.32	--	230	ND<0.50	ND<0.50	0.58	ND<0.50	--	11	
03/28/07	6.98	5.12	0.00	1.86	1.80	--	400	ND<0.50	ND<0.50	5.4	ND<0.50	--	13	
06/27/07	6.98	4.41	0.00	2.57	0.71	--	210	ND<0.50	ND<0.50	2.4	ND<0.50	--	18	
09/26/07	6.98	4.71	0.00	2.27	-0.30	--	740	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	18	
12/27/07	6.98	6.77	0.00	0.21	-2.06	--	180	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	18	
03/26/08	6.98	6.41	0.00	0.57	0.36	--	310	ND<0.50	0.64	1.3	1.0	--	27	
06/18/08	6.98	5.71	0.00	1.27	0.70	--	790	ND<0.50	ND<0.50	2.4	ND<1.0	--	22	
09/24/08	6.98	5.45	0.00	1.53	0.26	--	860	1.2	ND<0.50	3.2	3.7	--	16	
12/22/08	6.98	6.83	0.00	0.15	-1.38	--	620	ND<0.50	ND<0.50	0.54	1.3	--	13	
03/26/09	6.98	6.20	0.00	0.78	0.63	--	310	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.4	
<b>U-6 (Screen Interval in feet: 5.0-24.0)</b>														
06/22/94	7.14	7.14	0.00	0.00	--	ND	--	ND	ND	ND	ND	--	--	
09/22/94	7.14	7.34	0.00	-0.20	-0.20	130	--	1.3	0.8	ND	0.73	--	--	
12/24/94	7.14	6.67	0.00	0.47	0.67	6900	--	500	59	600	380	--	--	
03/25/95	7.14	6.29	0.00	0.85	0.38	47000	--	450	1300	1700	8200	--	--	
06/21/95	7.14	7.60	0.00	-0.46	-1.31	ND	--	ND	ND	ND	ND	--	--	
09/19/95	7.14	7.70	0.00	-0.56	-0.10	ND	--	ND	ND	ND	ND	--	--	
12/19/95	7.14	7.75	0.00	-0.61	-0.05	210	--	2.5	1.0	2.9	17	--	--	
03/18/96	7.14	6.86	0.00	0.28	0.89	ND	--	ND	ND	ND	ND	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)						MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
							TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylenes (µg/l)			
<b>U-6 continued</b>														
06/27/96	7.14	6.52	0.00	0.62	0.34	ND	--	ND	ND	ND	ND	510	--	
09/26/96	7.14	7.62	0.00	-0.48	-1.10	ND	--	ND	ND	ND	ND	1400	--	
12/09/96	7.14	5.88	0.00	1.26	1.74	1200	--	29	48	6.4	140	58	--	
03/14/97	7.14	7.30	0.00	-0.16	-1.42	ND	--	ND	ND	ND	ND	1500	--	
06/30/97	7.14	7.35	0.00	-0.21	-0.05	ND	--	ND	ND	ND	ND	990	--	
09/19/97	7.14	7.25	0.00	-0.11	0.10	ND	--	ND	ND	ND	ND	1400	--	
12/12/97	7.14	7.29	0.00	-0.15	-0.04	ND	--	ND	ND	ND	ND	680	--	
03/03/98	7.14	7.00	0.00	0.14	0.29	ND	--	ND	ND	ND	ND	1600	--	
06/15/98	7.14	7.18	0.00	-0.04	-0.18	ND	--	ND	ND	ND	ND	1000	--	
09/30/98	7.14	7.90	0.00	-0.76	-0.72	ND	--	ND	ND	ND	ND	1200	--	
12/28/98	7.14	7.79	0.00	-0.65	0.11	ND	--	ND	ND	ND	ND	730	--	
03/22/99	7.14	7.47	0.00	-0.33	0.32	ND	--	ND	ND	ND	ND	1800	--	
06/09/99	7.14	7.73	0.00	-0.59	-0.26	ND	--	ND	ND	ND	ND	1000	850	
09/08/99	7.14	7.95	0.00	-0.81	-0.22	ND	--	ND	ND	ND	ND	851	1040	
12/07/99	7.14	8.10	0.00	-0.96	-0.15	ND	--	ND	ND	ND	ND	1140	1150	
03/13/00	7.14	6.95	0.00	0.19	1.15	ND	--	ND	ND	ND	ND	560	670	
06/21/00	7.14	7.84	0.00	-0.70	-0.89	ND	--	ND	ND	ND	ND	400	590	
09/27/00	7.14	7.68	0.00	-0.54	0.16	ND	--	ND	ND	ND	ND	2500	2800	
12/12/00	7.14	7.74	0.00	-0.60	-0.06	ND	--	ND	ND	ND	ND	590	580	
03/07/01	7.14	7.27	0.00	-0.13	0.47	ND	--	ND	ND	ND	ND	310	321	
06/06/01	7.14	7.80	0.00	-0.66	-0.53	ND	--	ND	ND	ND	ND	250	330	
09/24/01	7.14	7.82	0.00	-0.68	-0.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	530	660	
12/10/01	7.14	7.15	0.00	-0.01	0.67	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	220	220	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-6 continued</b>														
03/11/02	7.14	7.32	0.00	-0.18	-0.17	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	720	760	
06/04/02	7.14	7.18	0.00	-0.04	0.14	250	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	470	--	
09/03/02	7.14	7.72	0.00	-0.58	-0.54	420	--	ND<2.5	ND<2.5	ND<2.5	4.7	860	1200	
12/03/02	7.14	6.92	0.00	0.22	0.80	--	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<10	--	870	
03/04/03	7.14	7.01	0.00	0.13	-0.09	--	2300	ND<10	ND<10	ND<10	ND<20	--	2700	
06/18/03	7.14	6.60	0.00	0.54	0.41	--	1300	ND<10	ND<10	ND<10	ND<20	--	1700	
09/24/03	7.14	7.24	0.00	-0.10	-0.64	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	1500	
12/02/03	7.14	7.80	0.00	-0.66	-0.56	--	1300	ND<10	ND<10	ND<10	ND<20	--	1800	
03/30/04	7.14	7.32	0.00	-0.18	0.48	--	1200	ND<10	ND<10	ND<10	ND<20	--	1700	
06/07/04	7.14	9.35	0.00	-2.21	-2.03	--	1700	ND<10	ND<10	ND<10	ND<20	--	1800	
09/09/04	7.14	12.81	0.00	-5.67	-3.46	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	1400	
12/20/04	7.14	7.96	0.00	-0.82	4.85	--	320	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	65	
03/28/05	7.14	7.07	0.00	0.07	0.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	150	
06/14/05	7.14	7.88	0.00	-0.74	-0.81	--	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	20	
09/28/05	7.14	10.44	0.00	-3.30	-2.56	--	150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.6	
12/29/05	7.14	7.63	0.00	-0.49	2.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	13	
03/27/06	7.14	6.16	0.00	0.98	1.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.1	
06/12/06	7.14	6.59	0.00	0.55	-0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	6.9	
09/21/06	7.14	6.90	0.00	0.24	-0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.1	
12/21/06	7.14	7.36	0.00	-0.22	-0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.2	
03/28/07	7.14	3.48	0.00	3.66	3.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
06/27/07	7.14	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - dumpster over well

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G					Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
							(GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)					
<b>U-6 continued</b>															
09/26/07	7.14	2.71	0.00	4.43	--	--	54	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	ND<0.50	
12/27/07	7.14	6.96	0.00	0.18	-4.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	2.4	
03/26/08	7.14	6.56	0.00	0.58	0.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	2.3	
06/18/08	7.14	6.71	0.00	0.43	-0.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	0.59	
09/24/08	7.14	5.50	0.00	1.64	1.21	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<0.50	
12/22/08	7.14	6.48	0.00	0.66	-0.98	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<0.50	
03/26/09	7.14	6.10	0.00	1.04	0.38	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	--	ND<2.5	

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
U-1												
06/15/98	--	--	--	--	--	--	--	--	39000	ND	--	ND
09/30/98	--	--	--	--	--	--	--	--	17000	ND	--	ND
12/28/98	--	--	--	--	--	--	--	--	4300	6.30	--	28
03/22/99	--	--	--	--	--	--	--	--	4900	ND	--	3.5
06/09/99	--	--	--	--	--	--	--	--	1200	ND	--	ND
09/08/99	--	--	--	--	--	--	--	--	1800	ND	--	ND
12/07/99	--	--	--	--	--	--	--	--	5700	ND	--	17.0
03/13/00	--	--	--	--	--	--	--	--	8000	0.18	--	ND
06/21/00	--	--	--	--	--	--	--	--	9300	ND	--	ND
09/27/00	ND	--	ND	--	ND	ND	ND	--	2800	ND	--	18.4
12/12/00	--	--	--	--	--	--	--	--	490	ND	--	16.0
03/07/01	ND	--	ND	--	ND	ND	ND	--	483	2.64	--	6.89
06/06/01	ND	--	ND	--	ND	ND	ND	--	1000	ND	--	2.7
09/24/01	ND<20000	ND<400000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	--	ND<100	0.45	--	--
12/10/01	ND<4000	ND<8000	ND<100	ND<100	ND<100	ND<100	ND<100	--	14000	ND<0.50	--	2.2
03/11/02	ND<5000	ND<25000	ND<100	ND<100	ND<100	ND<100	ND<100	--	15000	ND<0.50	--	0.11
06/04/02	--	--	--	--	--	--	--	--	ND<500	ND<0.50	--	ND<0.10
09/03/02	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	ND<500	ND<0.50	--	ND<0.10
12/03/02	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	9600	ND<1.0	--	ND<1.0
03/04/03	ND<5000	ND<25000	ND<100	ND<100	ND<100	ND<100	ND<100	--	36000	ND<1.0	--	ND<1.0
06/18/03	ND<5000	ND<25000	ND<100	ND<100	ND<100	ND<100	ND<100	--	16000	ND<1.0	--	ND<1.0
09/24/03	ND<20000	ND<100000	ND<400	ND<400	ND<400	ND<400	ND<400	--	15	ND<1.0	--	ND<1.0
12/02/03	--	ND<100000	--	--	--	--	--	--	4000	--	--	--
03/30/04	3100	ND<10000	ND<100	ND<100	ND<200	ND<100	ND<100	--	12000	ND<1.0	ND<1.0	--
06/07/04	3300	ND<10000	ND<100	ND<100	ND<200	ND<100	ND<100	--	660	ND<0.50	6.8	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-1 continued</b>												
12/20/04	11	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	0.015	ND<1.0	ND<1.0	--
03/28/05	--	ND<1000	--	--	--	--	--	--	16	ND<1.0	ND<1.0	--
06/14/05	4400	ND<1000	ND<10	ND<10	ND<10	ND<10	ND<10	--	7100	ND<1.0	12	--
09/28/05	5500	ND<250	ND<10	ND<10	ND<10	ND<10	ND<10	--	7300	ND<0.10	39	--
12/29/05	3900	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	9500	ND<0.10	21	--
03/27/06	--	ND<12000	--	--	--	--	--	--	8500	ND<0.10	ND<0.050	--
06/12/06	--	ND<250	--	--	--	--	--	--	25000	ND<0.10	0.64	--
09/21/06	--	ND<6200	--	--	--	--	--	--	16000	ND<0.10	1.5	--
12/21/06	--	ND<250	--	--	--	--	--	--	22000	ND<0.10	1.0	--
03/28/07	1600	ND<1200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	20000	ND<0.10	ND<0.050	--
06/27/07	1500	ND<1200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	35000	ND<0.10	0.065	--
09/26/07	--	ND<1200	--	--	--	--	--	--	27000	ND<0.10	0.11	--
12/27/07	--	ND<1200	--	--	--	--	--	--	25000	ND<0.10	ND<0.050	--
03/26/08	--	ND<1200	--	--	--	--	--	--	23000	ND<0.10	0.12	--
06/18/08	--	ND<2500	--	--	--	--	--	--	30000	ND<0.10	0.059	--
09/24/08	--	ND<1200	--	--	--	--	--	--	5000	ND<0.10	0.061	--
12/22/08	--	ND<250	--	--	--	--	--	--	23000	ND<0.10	ND<0.050	--
03/26/09	--	ND<1200	--	--	--	--	--	--	2400	ND<0.10	0.11	--
<b>U-2</b>												
03/03/98	--	--	--	--	--	--	--	--	25000	ND	--	ND
06/15/98	--	--	--	--	--	--	--	--	42000	ND	--	ND
09/30/98	--	--	--	--	--	--	--	--	25000	ND	--	ND
12/28/98	--	--	--	--	--	--	--	--	28000	ND	--	ND
03/22/99	--	--	--	--	--	--	--	--	680	ND	--	2.3
06/09/99	--	--	--	--	--	--	--	--	500	ND	--	ND

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-2 continued</b>												
09/08/99	--	--	--	--	--	--	--	--	1900	ND	--	ND
12/07/99	--	--	--	--	--	--	--	--	250	ND	--	ND
03/13/00	--	--	--	--	--	--	--	--	4300	0.31	--	ND
06/21/00	--	--	--	--	--	--	--	--	260	ND	--	ND
09/27/00	--	--	--	--	--	--	--	--	640	ND	--	10.5
12/12/00	--	--	--	--	--	--	--	--	2700	ND	--	ND
03/07/01	ND	ND	ND	ND	ND	ND	ND	--	677	2.24	--	3.02
06/06/01	ND	ND	ND	ND	ND	ND	ND	--	800	ND	--	2.8
09/24/01	ND<20000	ND<400000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	--	ND<100	0.49	--	--
12/10/01	ND<2000	ND<4000	ND<50	ND<50	ND<50	ND<50	ND<50	--	ND<100	ND<0.50	--	0.20
03/11/02	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	ND<100	ND<0.50	--	0.65
06/04/02	--	--	--	--	--	--	--	--	ND<100	ND<0.50	--	ND<0.10
09/03/02	ND<50000	ND<250000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	--	ND<250	ND<0.50	--	0.26
12/03/02	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	9900	ND<1.0	--	ND<1.0
03/04/03	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	8600	ND<1.0	--	ND<1.0
06/18/03	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	5500	ND<1.0	--	3.1
09/24/03	ND<20000	ND<100000	ND<400	ND<400	ND<400	ND<400	ND<400	--	14	ND<1.0	--	ND<1.0
12/02/03	--	ND<100000	--	--	--	--	--	--	2700	--	--	--
03/30/04	2400	ND<10000	ND<100	ND<100	ND<200	ND<100	ND<100	--	ND<200	ND<1.0	2.9	--
06/07/04	2600	ND<10000	ND<100	ND<100	ND<200	ND<100	ND<100	--	210	ND<0.50	2.4	--
09/09/04	2700	ND<10000	ND<100	ND<100	ND<200	ND<100	ND<100	--	930	ND<1.0	5.9	--
12/20/04	3500	ND<5000	ND<50	ND<50	ND<100	ND<50	ND<50	--	0.87	ND<1.0	ND<1.0	--
03/28/05	830	ND<5000	ND<50	ND<50	ND<50	ND<50	ND<0.50	--	4.0	ND<1.0	ND<1.0	--
06/14/05	10000	ND<2000	ND<20	ND<20	ND<20	ND<20	ND<20	--	3400	ND<1.0	ND<1.0	--
09/28/05	13000	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	4000	ND<0.20	7.5	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-2 continued</b>												
12/29/05	1000000000	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	2200	ND<0.20	4.6	--
03/27/06	--	ND<250	--	--	--	--	--	--	1100	ND<0.10	ND<0.050	--
06/12/06	--	ND<6200	--	--	--	--	--	--	1500	ND<0.10	ND<0.050	--
09/21/06	--	ND<250	--	--	--	--	--	--	100	33	0.36	--
12/21/06	--	ND<250	--	--	--	--	--	--	770	ND<0.20	0.21	--
03/28/07	4000	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	8600	ND<0.10	ND<0.050	--
06/27/07	3000	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	9000	ND<0.10	ND<0.050	--
09/26/07	--	ND<2500	--	--	--	--	--	--	22000	ND<0.10	0.10	--
12/27/07	--	ND<2500	--	--	--	--	--	--	7600	ND<0.10	ND<0.050	--
03/26/08	--	ND<1200	--	--	--	--	--	--	11000	ND<0.10	ND<0.050	--
06/18/08	--	ND<2500	--	--	--	--	--	--	16000	ND<0.10	ND<0.050	--
09/24/08	--	ND<250	--	--	--	--	--	--	4600	ND<0.20	ND<0.050	--
12/22/08	--	ND<250	--	--	--	--	--	--	13000	ND<0.10	ND<0.050	--
03/26/09	--	ND<1200	--	--	--	--	--	--	2600	ND<0.10	ND<0.050	--
<b>U-3</b>												
06/30/97	--	--	--	--	--	--	--	--	1400	21	--	0.86
09/19/97	--	--	--	--	--	--	--	--	570	19	--	ND
12/12/97	--	--	--	--	--	--	--	--	1900	23	--	0.85
03/03/98	--	--	--	--	--	--	--	--	13	36	--	ND
06/15/98	--	--	--	--	--	--	--	--	160	33	--	ND
09/30/98	--	--	--	--	--	--	--	--	40	31	--	ND
12/28/98	--	--	--	--	--	--	--	--	ND	29	--	ND
03/22/99	--	--	--	--	--	--	--	--	15	30	--	0.14
06/09/99	--	--	--	--	--	--	--	--	ND	26	--	1.2
09/08/99	--	--	--	--	--	--	--	--	ND	32.90	--	ND



**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-3 continued</b>												
12/07/99	--	--	--	--	--	--	--	--	52	27.90	--	ND
03/13/00	--	--	--	--	--	--	--	--	150	33	--	ND
06/21/00	--	--	--	--	--	--	--	--	200	32	--	ND
09/27/00	--	--	--	--	--	--	--	307	ND	34	--	15.7
12/12/00	--	--	--	--	--	--	--	--	ND	31	--	ND
03/07/01	--	--	--	--	--	--	--	--	ND	36.5	--	0.443
06/06/01	--	--	--	--	--	--	--	--	ND	8.0	--	0.18
09/24/01	--	--	--	--	--	--	--	--	ND<100	23.0	--	ND
12/10/01	--	--	--	--	--	--	--	--	ND<100	21	--	0.11
03/11/02	--	--	--	--	--	--	--	--	ND<100	30	--	0.14
06/04/02	--	--	--	--	--	--	--	--	ND<100	18	--	ND<0.10
09/03/02	--	--	--	--	--	--	--	--	ND<100	28	--	ND<0.10
12/03/02	--	--	--	--	--	--	--	--	ND<200	20	--	ND<1.0
03/04/03	--	--	--	--	--	--	--	--	ND<200	18	--	ND<1.0
06/18/03	--	--	--	--	--	--	--	--	ND<200	17	--	ND<1.0
09/24/03	--	ND<500	--	--	--	--	--	--	ND<0.20	18	--	1.4
12/02/03	--	ND<500	--	--	--	--	--	--	ND<200	--	--	--
03/30/04	--	ND<50	--	--	--	--	--	--	ND<200	16	ND<1.0	--
06/07/04	--	ND<50	--	--	--	--	--	--	ND<200	17	ND<0.20	--
09/09/04	--	ND<50	--	--	--	--	--	--	ND<10	16	1.2	--
12/20/04	--	ND<50	--	--	--	--	--	--	ND<0.010	17	ND<1.0	--
03/28/05	--	ND<50	--	--	--	--	--	--	ND<0.050	17	ND<1.0	--
06/14/05	--	ND<50	--	--	--	--	--	--	ND<50	18	ND<1.0	--
09/28/05	--	ND<250	--	--	--	--	--	--	ND<100	4.3	0.66	--
12/29/05	--	ND<250	--	--	--	--	--	--	ND<100	4.3	0.65	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-3 continued</b>												
03/27/06	--	ND<250	--	--	--	--	--	--	ND<100	4.5	0.66	--
06/12/06	--	ND<250	--	--	--	--	--	--	ND<100	4.4	0.64	--
09/21/06	--	ND<250	--	--	--	--	--	--	170	4.4	0.69	--
12/21/06	--	ND<250	--	--	--	--	--	--	ND<100	4.5	0.68	--
03/28/07	--	ND<250	--	--	--	--	--	--	ND<100	4.7	0.67	--
06/27/07	--	ND<250	--	--	--	--	--	--	ND<100	4.5	0.64	--
09/26/07	--	ND<250	--	--	--	--	--	--	9900	ND<0.10	ND<0.050	--
12/27/07	--	ND<250	--	--	--	--	--	--	130	4.6	0.75	--
03/26/08	--	ND<250	--	--	--	--	--	--	190	5.1	0.64	--
06/18/08	--	ND<250	--	--	--	--	--	--	ND<100	4.9	0.64	--
09/24/08	--	ND<250	--	--	--	--	--	--	150	4.7	0.73	--
12/22/08	--	ND<250	--	--	--	--	--	--	ND<100	4.8	0.73	--
03/26/09	--	ND<250	--	--	--	--	--	--	ND<100	4.8	0.66	--
<b>U-4</b>												
06/30/97	--	--	--	--	--	--	--	--	130	35	--	0.52
09/19/97	--	--	--	--	--	--	--	--	350	30	--	ND
12/12/97	--	--	--	--	--	--	--	--	680	31	--	0.73
03/03/98	--	--	--	--	--	--	--	--	18	3.2	--	ND
06/15/98	--	--	--	--	--	--	--	--	140	33	--	ND
09/30/98	--	--	--	--	--	--	--	--	49	31	--	ND
12/28/98	--	--	--	--	--	--	--	--	360	31	--	ND
03/22/99	--	--	--	--	--	--	--	--	ND	30	--	0.14
06/09/99	--	--	--	--	--	--	--	--	ND	35	--	0.91
09/08/99	--	--	--	--	--	--	--	--	ND	24	--	ND
12/07/99	--	--	--	--	--	--	--	--	ND	27.7	--	ND

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-4 continued</b>												
03/13/00	--	--	--	--	--	--	--	--	ND	33	--	ND
06/21/00	--	--	--	--	--	--	--	--	34	32	--	ND
09/27/00	--	--	--	--	--	--	--	--	ND	28	--	ND
12/12/00	--	--	--	--	--	--	--	--	ND	30	--	ND
03/07/01	--	--	--	--	--	--	--	--	ND	33.9	--	0.226
06/06/01	--	--	--	--	--	--	--	--	ND	7.4	--	0.21
09/24/01	--	--	--	--	--	--	--	--	ND<100	24	--	--
12/10/01	--	--	--	--	--	--	--	--	ND<100	19	--	0.10
03/11/02	--	--	--	--	--	--	--	--	ND<100	31	--	0.14
06/04/02	--	--	--	--	--	--	--	--	ND<100	27	--	ND<0.10
09/03/02	--	--	--	--	--	--	--	--	ND<100	28	--	0.27
12/03/02	--	--	--	--	--	--	--	--	ND<200	20	--	ND<1.0
03/04/03	--	--	--	--	--	--	--	--	ND<200	26	--	ND<1.0
06/18/03	--	--	--	--	--	--	--	--	ND<200	31	--	ND<1.0
09/24/03	--	ND<500	--	--	--	--	--	--	ND<0.20	17	--	1.5
12/02/03	--	ND<500	--	--	--	--	--	--	ND<200	--	--	--
03/30/04	--	ND<50	--	--	--	--	--	--	ND<200	25	ND<1.0	--
06/07/04	--	ND<50	--	--	--	--	--	--	ND<200	24	ND<0.20	--
09/09/04	--	ND<50	--	--	--	--	--	--	ND<10	22	ND<1.0	--
12/20/04	--	ND<50	--	--	--	--	--	--	ND<0.010	20	ND<1.0	--
03/28/05	--	ND<50	--	--	--	--	--	--	0.060	31	ND<1.0	--
06/14/05	--	ND<50	--	--	--	--	--	--	ND<50	32	ND<1.0	--
09/28/05	--	ND<250	--	--	--	--	--	--	190	6.8	0.45	--
12/29/05	--	ND<250	--	--	--	--	--	--	ND<100	5.3	0.37	--
03/27/06	--	ND<250	--	--	--	--	--	--	ND<100	6.4	0.41	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-4 continued</b>												
06/12/06	--	ND<250	--	--	--	--	--	--	2200	6.8	0.39	--
09/21/06	--	ND<250	--	--	--	--	--	--	360	5.7	0.43	--
12/21/06	--	ND<250	--	--	--	--	--	--	ND<100	5.6	0.41	--
03/28/07	--	ND<250	--	--	--	--	--	--	ND<100	5.5	0.49	--
06/27/07	--	ND<250	--	--	--	--	--	--	ND<100	5.3	0.34	--
09/26/07	--	ND<250	--	--	--	--	--	--	ND<100	5.4	0.40	--
12/27/07	--	ND<250	--	--	--	--	--	--	ND<100	5.3	0.43	--
03/26/08	--	ND<250	--	--	--	--	--	--	160	5.6	0.38	--
06/18/08	--	ND<250	--	--	--	--	--	--	ND<100	5.6	0.39	--
09/24/08	--	ND<250	--	--	--	--	--	--	250	5.1	0.34	--
12/22/08	--	ND<250	--	--	--	--	--	--	140	4.8	0.39	--
03/26/09	--	ND<250	--	--	--	--	--	--	ND<100	4.4	0.37	--
<b>U-5</b>												
06/30/97	--	--	--	--	--	--	--	--	16000	ND	--	ND
09/19/97	--	--	--	--	--	--	--	--	220	ND	--	ND
12/12/97	--	--	--	--	--	--	--	--	6700	ND	--	ND
03/03/98	--	--	--	--	--	--	--	--	18000	3.1	--	ND
06/15/98	--	--	--	--	--	--	--	--	17000	ND	--	ND
09/30/98	--	--	--	--	--	--	--	--	17000	ND	--	ND
12/28/98	--	--	--	--	--	--	--	--	17000	6.6	--	ND
03/22/99	--	--	--	--	--	--	--	--	120	ND	--	2.4
06/09/99	--	--	--	--	--	--	--	--	230	ND	--	ND
09/08/99	--	--	--	--	--	--	--	--	2100	ND	--	ND
12/07/99	--	--	--	--	--	--	--	--	310	ND	--	ND
03/13/00	--	--	--	--	--	--	--	--	330	0.16	--	ND

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-5 continued</b>												
06/21/00	--	--	--	--	--	--	--	--	150	ND	--	ND
09/27/00	--	--	--	--	--	--	--	--	330	ND	--	ND
12/12/00	--	--	--	--	--	--	--	--	86	ND	--	ND
03/07/01	ND	ND	ND	ND	ND	ND	ND	--	1070	3.02	--	4.00
06/06/01	--	--	--	--	--	--	--	--	ND	ND	--	1.2
09/24/01	ND<200	ND<4000	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND<100	0.77	--	--
12/10/01	--	--	--	--	--	--	--	--	3700	ND<0.50	--	2.6
03/11/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	100	ND<0.50	--	0.52
06/04/02	--	--	--	--	--	--	--	--	ND<250	ND<0.50	--	ND<0.10
09/03/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<250	ND<0.50	--	ND<0.10
12/03/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	22000	ND<1.0	--	ND<1.0
03/04/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	19000	ND<1.0	--	ND<1.0
06/18/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	11000	ND<1.0	--	ND<1.0
09/24/03	--	ND<500	--	--	--	--	--	--	ND<0.20	18	--	1.8
12/02/03	--	ND<500	--	--	--	--	--	--	9400	--	--	--
03/30/04	52	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	5900	ND<1.0	ND<1.0	--
06/07/04	69	ND<50	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	--	3800	ND<0.50	ND<0.20	--
09/09/04	130	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	4100	ND<1.0	ND<1.0	--
12/20/04	--	ND<50	--	--	--	--	--	--	5.0	ND<1.0	ND<1.0	--
03/28/05	150	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	6.5	ND<1.0	ND<1.0	--
06/14/05	160	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	7400	3.6	ND<1.0	--
09/28/05	220	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	7300	ND<0.50	0.10	--
12/29/05	280	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	7300	ND<0.50	ND<0.050	--
03/27/06	--	ND<250	--	--	--	--	--	--	6300	ND<0.50	ND<0.050	--
06/12/06	--	ND<250	--	--	--	--	--	--	8700	ND<0.20	ND<0.050	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-5 continued</b>												
09/21/06	--	ND<250	--	--	--	--	--	--	6800	ND<0.50	ND<0.050	--
12/21/06	--	ND<250	--	--	--	--	--	--	15000	ND<0.50	ND<0.050	--
03/28/07	870	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	10000	ND<0.20	ND<0.050	--
06/27/07	220	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	10000	ND<0.10	ND<0.050	--
09/26/07	--	ND<250	--	--	--	--	--	--	9200	ND<0.10	ND<0.050	--
12/27/07	--	ND<250	--	--	--	--	--	--	5900	ND<0.10	ND<0.050	--
03/26/08	--	ND<250	--	--	--	--	--	--	10000	ND<0.20	ND<0.050	--
06/18/08	--	ND<250	--	--	--	--	--	--	6700	0.12	ND<0.050	--
09/24/08	--	ND<250	--	--	--	--	--	--	7900	ND<0.10	ND<0.050	--
12/22/08	--	ND<250	--	--	--	--	--	--	9200	ND<0.10	ND<0.050	--
03/26/09	--	ND<250	--	--	--	--	--	--	990	ND<0.10	ND<0.050	--
<b>U-6</b>												
06/30/97	--	--	--	--	--	--	--	--	88000	0.80	--	ND
09/19/97	--	--	--	--	--	--	--	--	2900	1.80	--	ND
12/12/97	--	--	--	--	--	--	--	--	51000	ND	--	ND
03/03/98	--	--	--	--	--	--	--	--	60000	3.5	--	ND
06/15/98	--	--	--	--	--	--	--	--	590000	4.8	--	ND
09/30/98	--	--	--	--	--	--	--	--	33000	ND	--	ND
12/28/98	--	--	--	--	--	--	--	--	83000	7.2	--	ND
03/22/99	--	--	--	--	--	--	--	--	2100	ND	--	0.98
06/09/99	--	--	--	--	--	--	--	--	470	0.20	--	ND
09/08/99	--	--	--	--	--	--	--	--	140	5.59	--	ND
12/07/99	--	--	--	--	--	--	--	--	260	ND	--	ND
03/13/00	--	--	--	--	--	--	--	--	790	0.26	--	ND
06/21/00	--	--	--	--	--	--	--	--	1900	ND	--	ND

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-6 continued</b>												
09/27/00	--	--	--	--	--	--	--	--	2600	ND	--	ND
12/12/00	--	--	--	--	--	--	--	--	ND	2.7	--	ND
03/07/01	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
06/06/01	ND	ND	ND	ND	ND	ND	ND	--	470	0.15	--	0.70
09/24/01	ND<2000	ND<40000	ND<100	ND<100	ND<100	ND<100	ND<100	--	ND<100	0.58	--	--
12/10/01	ND<200	ND<400	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	990	0.50	--	2.0
03/11/02	ND<400	ND<2000	ND<8.0	ND<8.0	ND<8.0	ND<8.0	ND<8.0	--	1200	ND<0.50	--	0.089
06/04/02	--	--	--	--	--	--	--	--	ND<100	ND<0.50	--	ND<1.0
09/03/02	ND<2000	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40	--	ND<100	0.58	--	1.1
12/03/02	ND<1000	ND<5000	ND<20	ND<20	ND<20	ND<20	ND<20	--	1200	ND<1.0	--	2.6
03/04/03	ND<2000	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40	--	20000	ND<1.0	--	ND<1.0
06/18/03	ND<2000	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40	--	3200	ND<1.0	--	2.0
09/24/03	ND<20000	ND<100000	ND<400	ND<400	ND<400	ND<400	ND<400	--	1.4	ND<1.0	--	4.6
12/02/03	--	ND<10000	--	--	--	--	--	--	1400	--	--	--
03/30/04	770	ND<1000	ND<10	ND<10	ND<20	ND<10	ND<10	--	2600	ND<1.0	ND<1.0	--
06/07/04	110	ND<1000	ND<10	ND<10	ND<20	ND<10	ND<10	--	2100	0.8	ND<0.20	--
09/09/04	1900	ND<1000	ND<10	ND<10	ND<20	ND<10	ND<10	--	870	ND<1.0	3.8	--
12/20/04	5000	ND<250	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	2.5	ND<1.0	ND<1.0	--
03/28/05	990	--	ND<2.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.4	ND<1.0	ND<1.0	--
06/14/05	ND<5.0	ND<100	ND<0.5	ND<0.5	ND<0.50	ND<0.50	ND<0.50	--	4100	3.8	ND<1.0	--
09/28/05	3800	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	21000	ND<0.20	3.4	--
12/29/05	1100	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	8300	0.48	ND<0.050	--
03/27/06	--	ND<250	--	--	--	--	--	--	8800	0.37	0.19	--
06/12/06	--	ND<250	--	--	--	--	--	--	8500	0.23	ND<0.050	--
09/21/06	--	ND<250	--	--	--	--	--	--	2900	0.19	0.31	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-6 continued</b>												
12/21/06	--	ND<250	--	--	--	--	--	--	11000	0.36	0.41	--
03/28/07	--	ND<250	--	--	--	--	--	--	ND<100	0.55	0.31	--
09/26/07	--	ND<250	--	--	--	--	--	--	ND<100	0.41	0.34	--
12/27/07	--	ND<250	--	--	--	--	--	--	7700	ND<0.10	1.0	--
03/26/08	--	ND<250	--	--	--	--	--	--	19000	ND<0.10	1.2	--
06/18/08	--	ND<250	--	--	--	--	--	--	210000	ND<0.10	0.076	--
09/24/08	--	ND<250	--	--	--	--	--	--	220000	ND<0.10	0.28	--
12/22/08	--	ND<250	--	--	--	--	--	--	290000	ND<0.10	0.39	--
03/26/09	--	ND<1200	--	--	--	--	--	--	540000	ND<0.10	0.28	--



**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-1</b>					
06/15/98	382	--	--	--	--
09/30/98	366	--	--	--	--
12/28/98	298	--	--	--	--
03/22/99	320	--	--	--	--
06/09/99	260	--	--	--	--
09/08/99	85	--	--	--	--
12/07/99	404	--	1.36	--	--
03/13/00	262	--	--	--	--
06/21/00	148	--	1.53	--	--
09/27/00	119	--	1.63	--	--
12/12/00	131	--	1.48	--	--
03/07/01	125	--	1.91	--	--
06/06/01	141	--	1.77	--	--
09/24/01	125	--	1.64	--	--
12/10/01	141	--	1.82	--	--
03/11/02	132	--	2.21	--	--
06/04/02	117	--	1.88	--	--
09/03/02	94	--	1.62	--	--
12/03/02	72	--	1.71	--	--
03/04/03	-125	--	0.30	--	--
06/18/03	-48	1.7	--	--	--
09/24/03	-36	--	0.40	--	--
12/02/03	--	6.46	2.05	-72	-73
03/30/04	--	1.08	3.05	-40	-54
06/07/04	--	1.62	2.30	-32	-48

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-1 continued</b>					
12/20/04	--	1.35	5.55	--	32
03/28/05	--	4.32	3.26	124	138
06/14/05	--	3.95	4.52	-145	-177
09/28/05	--	7.13	2.59	-065	-160
12/29/05	--	3.74	2.81	-310	-508
03/27/06	--	--	1.95	-667	--
06/12/06	--	--	1.20	-229	--
09/21/06	--	--	1.28	-110	--
12/21/06	--	--	--	-102	--
03/28/07	--	--	6.75	-93	--
06/27/07	--	--	3.87	-106	--
09/26/07	--	--	2.39	-60	--
12/27/07	--	--	2.36	-60	--
03/26/08	--	--	3.41	-63	--
06/18/08	--	--	2.67	-20	--
09/24/08	--	--	0.80	-38	--
12/22/08	--	--	2.47	-99	--
<b>U-2</b>					
03/03/98	369	--	--	--	--
06/15/98	341	--	--	--	--
09/30/98	354	--	--	--	--
12/28/98	276	--	--	--	--
03/22/99	320	--	--	--	--
06/09/99	290	--	--	--	--
09/08/99	235	--	--	--	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-2 continued</b>					
12/07/99	389	--	2.28	--	--
03/13/00	184	--	--	--	--
06/21/00	136	--	1.96	--	--
09/27/00	142	--	2.12	--	--
12/12/00	155	--	2.35	--	--
03/07/01	148	--	2.21	--	--
06/06/01	163	--	2.67	--	--
09/24/01	151	--	2.10	--	--
12/10/01	171	--	2.81	--	--
03/11/02	156	--	2.77	--	--
06/04/02	144	--	3.14	--	--
09/03/02	151	--	2.85	--	--
12/03/02	94	--	1.97	--	--
03/04/03	-147	--	0.40	--	--
06/18/03	-8	3.2	--	--	--
09/24/03	-10	--	0.20	--	--
12/02/03	--	1.81	1.70	-29	-67
03/30/04	--	--	2.40	-6	--
06/07/04	--	3.29	3.10	-8	7
09/09/04	--	3.10	3.12	-74	-79
12/20/04	--	6.54	.41	-84	-72
03/28/05	--	4.30	3.76	118	140
06/14/05	--	3.99	3.28	-155	-206
09/28/05	--	6.62	2.87	-100	-179
12/29/05	--	5.71	1.76	-578	-484

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-2 continued</b>					
03/27/06	--	--	0.95	-1334	--
06/12/06	--	--	19.82	-130	--
09/21/06	--	--	3.15	-18	--
12/21/06	--	--	--	-92	--
03/28/07	--	--	8.80	-97	--
06/27/07	--	--	4.72	-105	--
09/26/07	--	--	1.84	-25	--
12/27/07	--	--	2.81	-64	--
03/26/08	--	--	3.41	-65	--
06/18/08	--	--	2.46	-49	--
09/24/08	--	--	0.47	-56	--
12/22/08	--	--	1.38	-97	--
03/26/09	--	--	1.56	-73	--
<b>U-3</b>					
06/30/97	190	--	4.10	--	--
09/19/97	75	--	4.20	--	--
12/12/97	390	--	2.97	--	--
03/03/98	358	--	2.63	--	--
06/15/98	318	--	2.93	--	--
09/30/98	295	--	3.11	--	--
12/28/98	281	--	3.59	--	--
03/22/99	310	--	4.02	--	--
06/09/99	350	--	3.70	--	--
09/08/99	417	--	3.96	--	--
12/07/99	437	--	4.21	--	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-3 continued</b>					
03/13/00	307	--	--	--	--
06/21/00	225	--	4.27	--	--
09/27/00	211	--	4.67	--	--
12/12/00	246	--	4.79	--	--
03/07/01	251	--	5.16	--	--
06/06/01	214	--	4.79	--	--
09/24/01	198	--	4.27	--	--
12/10/01	188	--	4.66	--	--
03/11/02	166	--	5.06	--	--
06/04/02	151	--	5.79	--	--
09/03/02	143	--	6.04	--	--
12/03/02	154	--	5.58	--	--
03/04/03	-136	--	0.20	--	--
06/18/03	333	3.5	--	--	--
09/24/03	-50	--	0.60	--	--
12/02/03	--	4.28	4.30	97	105
03/30/04	--	7.75	2.80	-38	12
06/07/04	--	4.19	4.70	23	42
09/09/04	--	4.68	4.75	14	21
12/20/04	--	6.70	3.28	45	32
03/28/05	--	4.21	3.32	145	137
06/14/05	--	2.97	2.82	90	86
09/28/05	--	6.99	4.96	-068	-060
12/29/05	--	4.57	3.35	-802	-1132
03/27/06	--	--	2.67	-1588	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-3 continued</b>					
06/12/06	--	--	3.97	77	--
09/21/06	--	--	2.64	-33	--
12/21/06	--	--	--	85	--
03/28/07	--	--	8.10	-10	--
06/27/07	--	--	8.72	111	--
09/26/07	--	--	3.49	72	--
12/27/07	--	--	1.78	-72	--
03/26/08	--	--	1.32	97	--
06/18/08	--	--	1.73	113	--
09/24/08	--	--	1.95	90	--
12/22/08	--	--	1.81	42	--
03/26/09	--	--	1.98	59	--
<b>U-4</b>					
06/30/97	200	--	5.40	--	--
09/19/97	45	--	5.10	--	--
12/12/97	380	--	3.11	--	--
03/03/98	284	--	2.94	--	--
06/15/98	256	--	3.08	--	--
09/30/98	276	--	4.05	--	--
12/28/98	280	--	4.57	--	--
03/22/99	320	--	4.26	--	--
06/09/99	340	--	3.61	--	--
09/08/99	391	--	3.75	--	--
12/07/99	478	--	4.03	--	--
03/13/00	244	--	--	--	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-4 continued</b>					
06/21/00	248	--	4.89	--	--
09/27/00	198	--	5.09	--	--
12/12/00	210	--	4.86	--	--
03/07/01	233	--	4.97	--	--
06/06/01	248	--	5.12	--	--
09/24/01	262	--	4.86	--	--
12/10/01	242	--	5.05	--	--
03/11/02	195	--	4.83	--	--
06/04/02	169	--	5.58	--	--
09/03/02	126	--	5.94	--	--
12/03/02	133	--	5.82	--	--
03/04/03	-148	--	0.30	--	--
06/18/03	250	3.6	--	--	--
09/24/03	-24	--	0.20	--	--
12/02/03	--	3.45	3.57	107	102
03/30/04	--	3.84	4.29	19	42
06/07/04	--	4.02	4.56	27	15
09/09/04	--	4.09	4.20	-26	-8
12/20/04	--	6.19	5.11	84	77
03/28/05	--	4.66	4.54	163	130
06/14/05	--	3.09	3.02	78	88
09/28/05	--	6.59	5.02	099	082
12/29/05	--	5.09	5.03	-628	-632
03/27/06	--	--	5.51	-1000	--
06/12/06	--	--	4.33	102	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-4 continued</b>					
09/21/06	--	--	3.51	152	--
12/21/06	--	--	---	90	--
03/28/07	--	--	12.16	144	--
06/27/07	--	--	10.42	115	--
09/26/07	--	--	4.27	98	--
12/27/07	--	--	3.74	33	--
03/26/08	--	--	2.87	97	--
06/18/08	--	--	3.43	101	--
09/24/08	--	--	3.15	71	--
12/22/08	--	--	3.45	0	--
03/26/09	--	--	2.96	17	--
<b>U-5</b>					
06/30/97	160	--	3.40	--	--
09/19/97	63	--	0.60	--	--
12/12/97	400	--	1.75	--	--
03/03/98	345	--	2.36	--	--
06/15/98	333	--	2.55	--	--
09/30/98	318	--	1.93	--	--
12/28/98	305	--	1.64	--	--
03/22/99	340	--	1.99	--	--
06/09/99	320	--	2.10	--	--
09/08/99	335	--	2.21	--	--
12/07/99	408	--	2.66	--	--
03/13/00	264	--	--	--	--
06/21/00	159	--	3.42	--	--



**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-5 continued</b>					
09/27/00	136	--	3.85	--	--
12/12/00	122	--	3.53	--	--
03/07/01	141	--	2.98	--	--
06/06/01	112	--	2.67	--	--
09/24/01	146	--	3.15	--	--
12/10/01	96	--	2.85	--	--
03/11/02	108	--	3.15	--	--
06/04/02	118	--	3.46	--	--
09/03/02	87	--	2.85	--	--
12/03/02	104	--	2.71	--	--
03/04/03	-166	--	0.20	--	--
06/18/03	-10	2.4	--	--	--
09/24/03	-28	--	0.30	--	--
12/02/03	--	2.22	2.15	-39	-39
03/30/04	--	1.89	1.88	-19	-37
06/07/04	--	1.88	1.92	-15	-31
09/09/04	--	2.38	2.58	-41	-67
12/20/04	--	.71	2.01	-65	-72
03/28/05	--	2.02	1.06	132	133
06/14/05	--	2.38	2.02	-163	-168
09/28/05	--	6.94	4.58	-126	-125
12/29/05	--	2.17	1.99	-416	-411
03/27/06	--	--	2.69	-585	--
06/12/06	--	--	2.32	-236	--
09/21/06	--	--	1.37	-125	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-5 continued</b>					
12/21/06	--	--	--	-109	--
03/28/07	--	--	9.09	-97	--
06/27/07	--	--	3.52	-101	--
09/26/07	--	--	2.66	-80	--
12/27/07	--	--	1.63	-83	--
03/26/08	--	--	2.32	-9	--
06/18/08	--	--	3.29	-14	--
09/24/08	--	--	2.97	-8	--
12/22/08	--	--	0.69	-78	--
03/26/09	--	--	0.39	-88	--
<b>U-6</b>					
06/30/97	190	--	0.30	--	--
09/19/97	ND	--	0.60	--	--
12/12/97	380	--	2.70	--	--
03/03/98	327	--	2.18	--	--
06/15/98	315	--	2.48	--	--
09/30/98	345	--	3.06	--	--
12/28/98	297	--	3.42	--	--
03/22/99	330	--	3.88	--	--
06/09/99	320	--	3.29	--	--
09/08/99	305	--	3.12	--	--
12/07/99	443	--	3.44	--	--
03/13/00	222	--	--	--	--
06/21/00	159	--	3.27	--	--
09/27/00	170	--	3.49	--	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

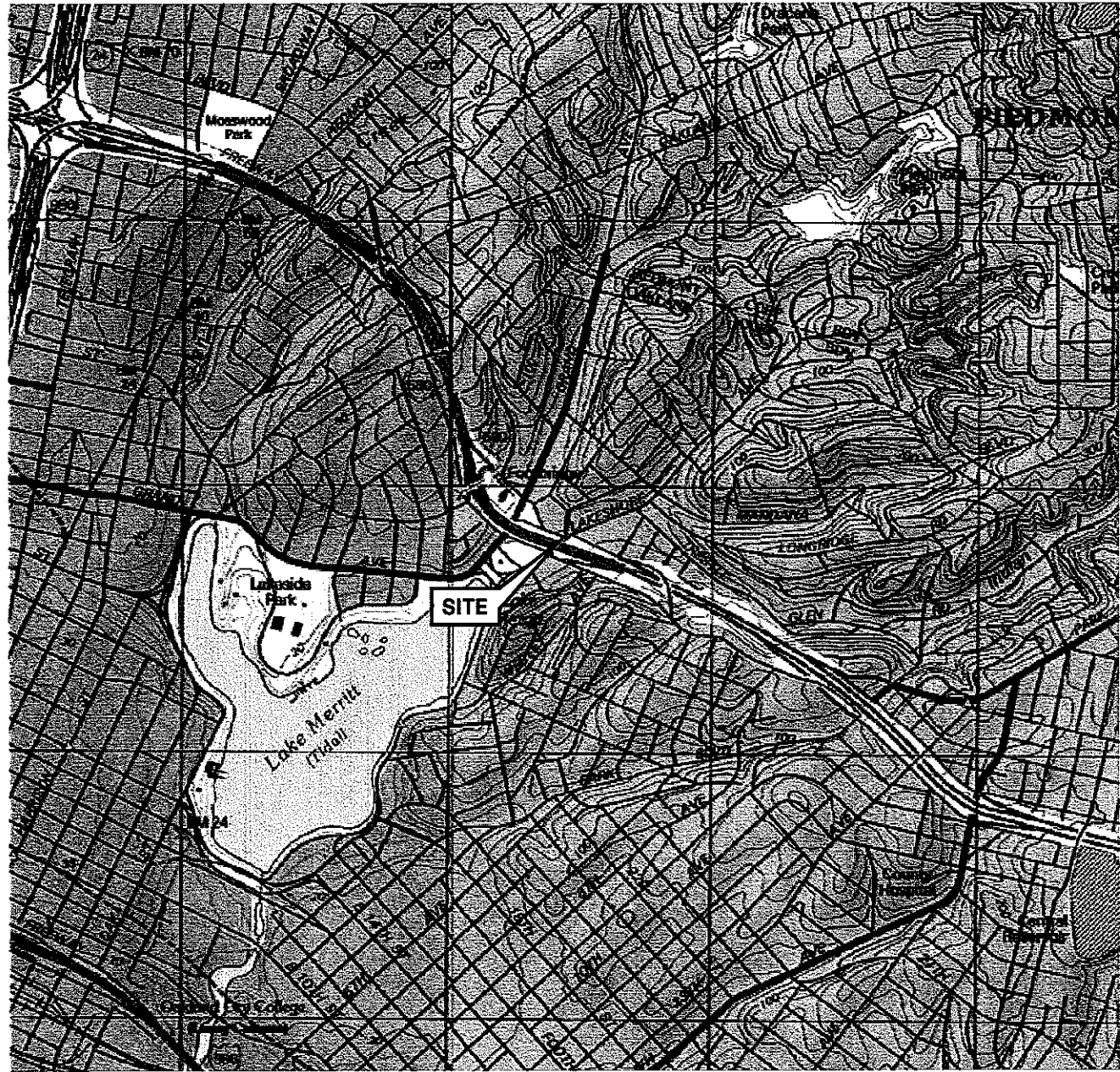
Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-6 continued</b>					
12/12/00	128	--	3.06	--	--
06/06/01	97	--	2.46	--	--
09/24/01	123	--	3.10	--	--
12/10/01	112	--	2.57	--	--
03/11/02	128	--	3.03	--	--
06/04/02	97	--	2.84	--	--
09/03/02	110	--	3.12	--	--
12/03/02	95	--	2.96	--	--
03/04/03	-112	--	0.30	--	--
06/18/03	-15	3.2	--	--	--
09/24/03	-12	--	0.30	--	--
12/02/03	--	3.10	2.53	-99	-74
03/30/04	--	3.61	1.88	-28	-33
06/07/04	--	2.43	2.90	-32	-62
09/09/04	--	2.84	2.96	-89	--
03/28/05	--	3.18	2.57	84	96
06/14/05	--	4.02	4.20	-158	-175
09/28/05	--	7.93	6.82	-028	-141
12/29/05	--	1.49	3.56	-480	-548
03/27/06	--	--	1.33	-953	--
06/12/06	--	--	1.32	-234	--
09/21/06	--	--	2.07	-113	--
12/21/06	--	--	--	-132	--
03/28/07	--	--	7.37	-36	--
09/26/07	--	--	3.92	64	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-6 continued</b>					
12/27/07	--	--	2.55	-5	--
03/26/08	--	--	2.74	115	--
06/18/08	--	--	1.11	167	--
09/24/08	--	--	3.85	59	--
12/22/08	--	--	1.57	60	--
03/26/09	--	--	1.67	39	--

# FIGURES

PS=1:1 L:\QMS VICINITY M A P S\5325VM.DWG Jan 20, 2009 - 12:26pm cokers



SOURCE:

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

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



SCALE 1: 24,000



QUADRANGLE  
LOCATION




FACILITY:

76 STATION 5325  
3220 LAKESHORE AVENUE  
OAKLAND, CALIFORNIA

VICINITY MAP

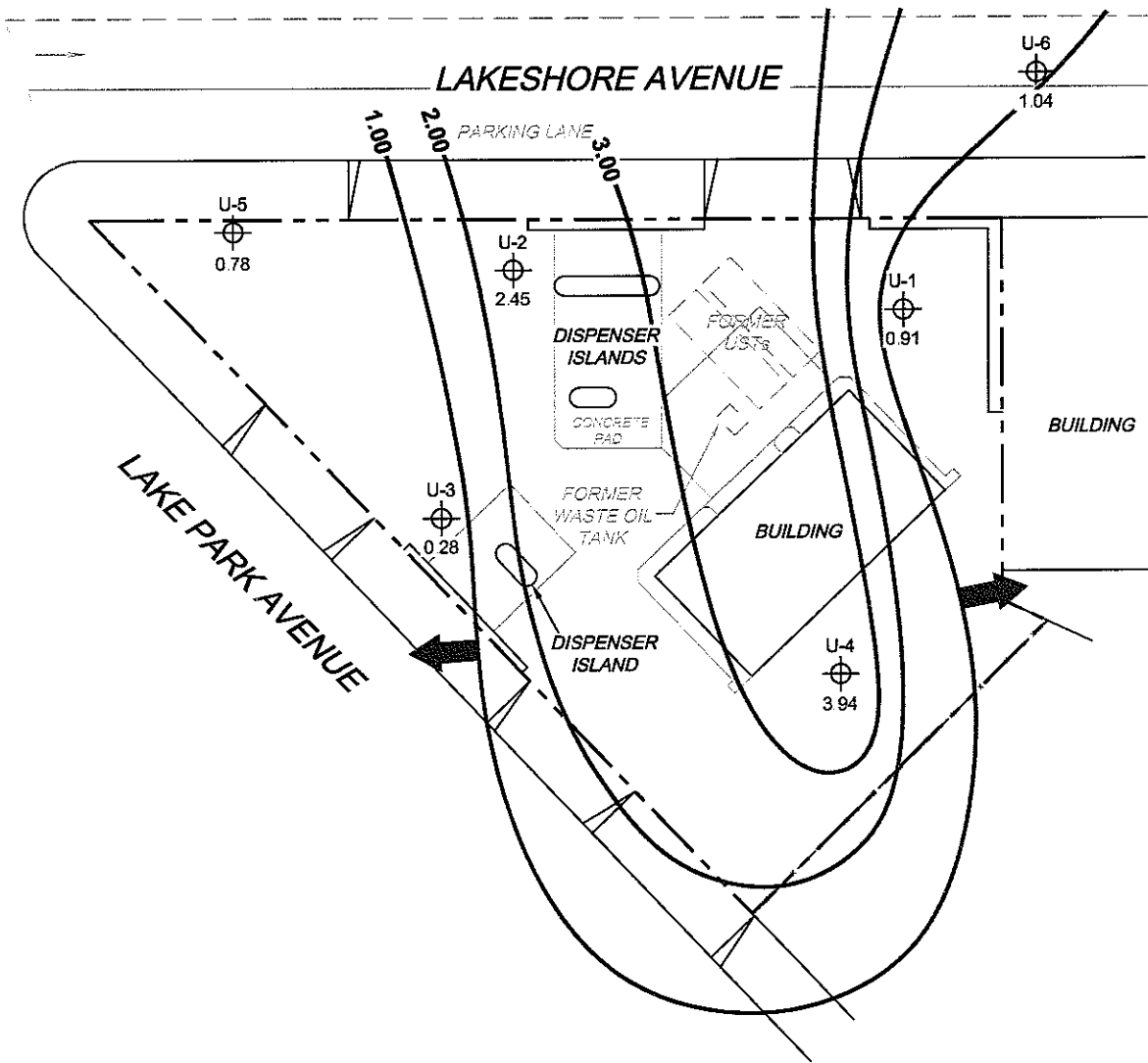
FIGURE 1

**LEGEND**

U-6  Monitoring Well with Groundwater Elevation (feet)

3.00  Groundwater Elevation Contour

 General Direction of Groundwater Flow



**NOTES:**

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

SCALE (FEET)



L:\Graphics\QMS NORTH-SOUTH\16-500016325+16325QMS(NEW).DWG Apr 15, 2009 - 10:17am bschmidt

MS-1-40 5325-003





PROJECT: 165521  
 FACILITY:  
 76 STATION 5325  
 3220 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

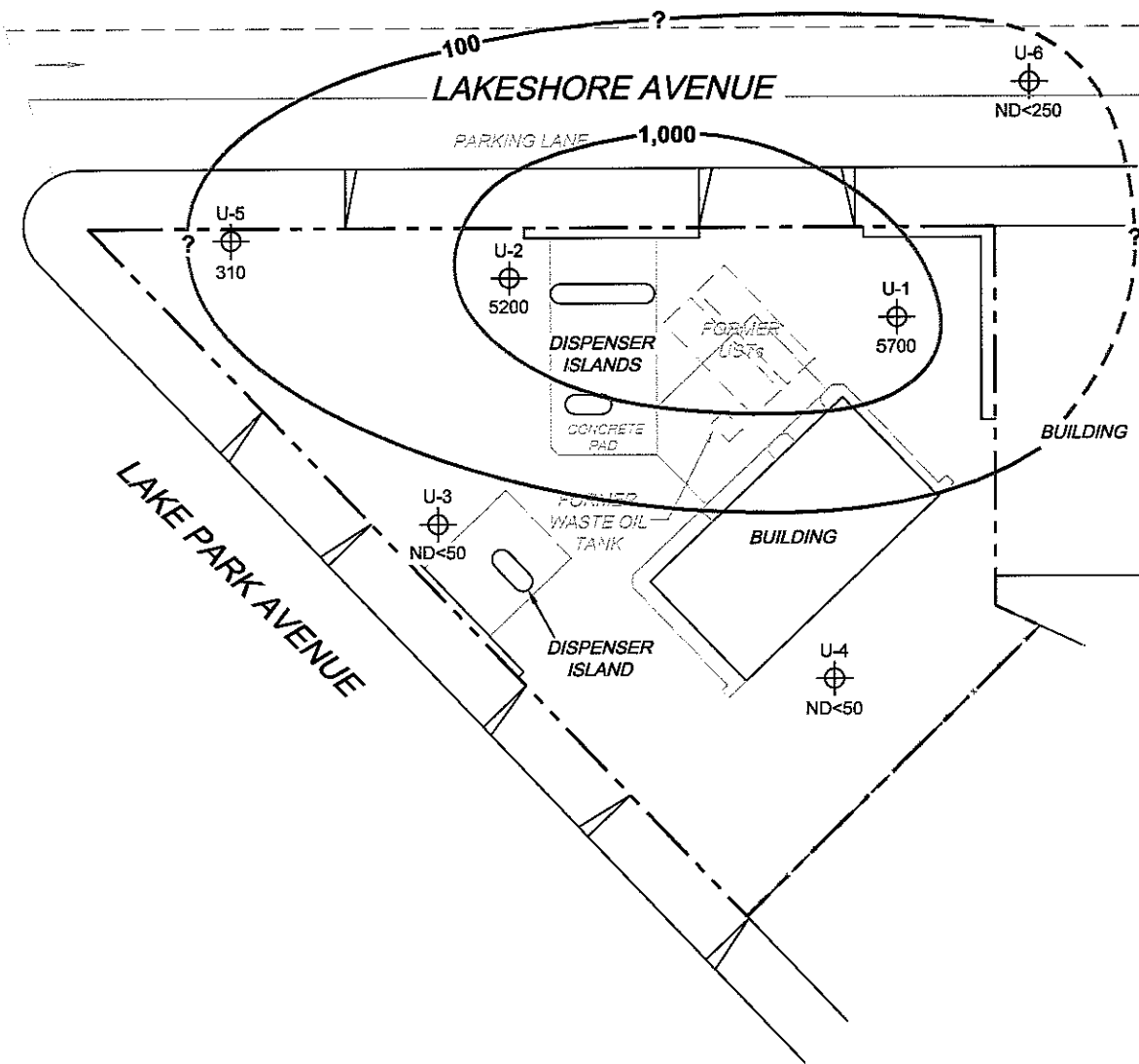
**GROUNDWATER ELEVATION  
 CONTOUR MAP  
 March 26, 2009**

**FIGURE 2**

**LEGEND**

U-6  Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration (µg/l)

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



**NOTES:**

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

SCALE (FEET)



L:\Graphics\GIS\NORTH-SOUTH\ix-5000\5325+16325\GIS\NEW\DWG Apr 15, 2009 - 10:37am bschmidt

MS=1:40 5325-003



PROJECT: 165521


FACILITY:  
76 STATION 5325  
3220 LAKESHORE AVENUE  
OAKLAND, CALIFORNIA


**DISSOLVED-PHASE TPH-G (GC/MS)  
CONCENTRATION MAP**  
March 26, 2009

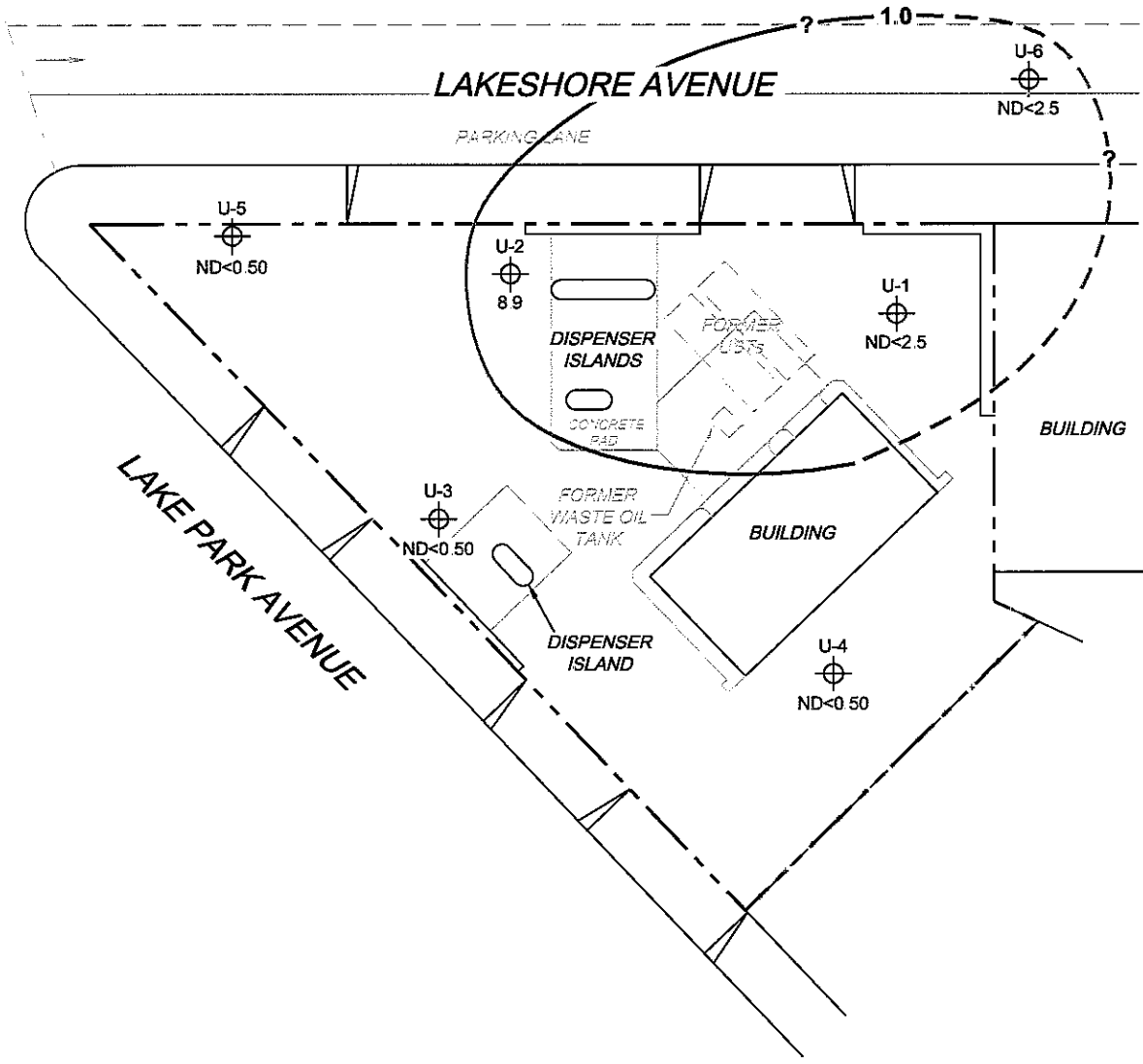
**FIGURE 3**



**LEGEND**

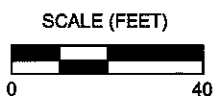
U-6  Monitoring Well with Dissolved-Phase Benzene Concentration ( $\mu\text{g/l}$ )

1.0  Dissolved-Phase Benzene Contour ( $\mu\text{g/l}$ )



**NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.  
 $\mu\text{g/l}$  = micrograms per liter. ND = not detected at limit indicated on official laboratory report.  
 Dashes indicate contour based on non-detect at elevated detection limit. UST = underground storage tank.



MS=1:40 5325-003 L:\Graphics\QMS NORTH-SOUTH\1x-5000\5325+15325\QMS(NEW).DWG Apr 15, 2009 - 10:40am bschmidt




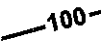
PROJECT: 165521  
 FACILITY:  
 76 STATION 5325  
 3220 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

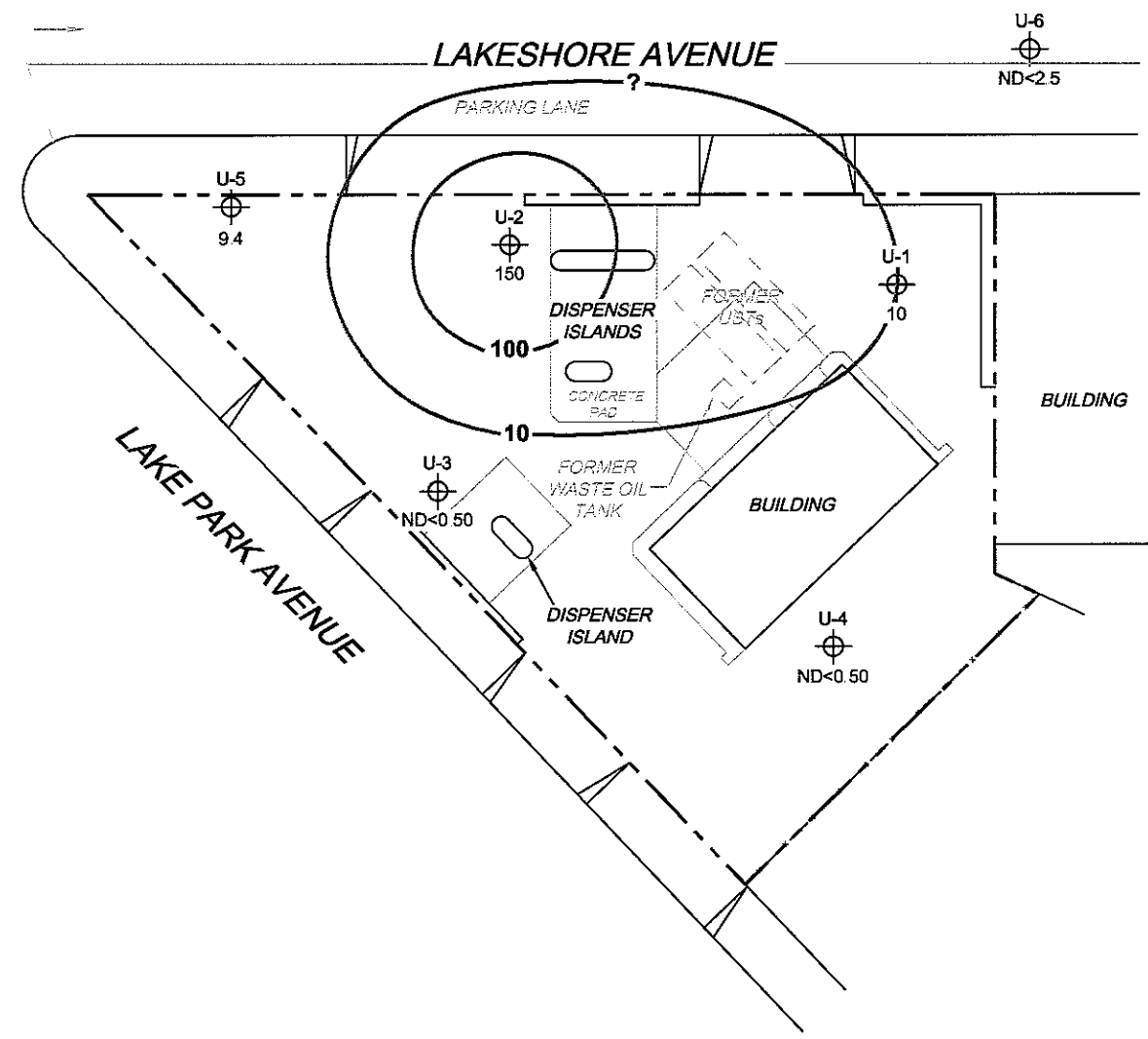
**DISSOLVED-PHASE BENZENE  
 CONCENTRATION MAP**  
 March 26, 2009

**FIGURE 4**

**LEGEND**

U-6  Monitoring Well with Dissolved-Phase MTBE Concentration ( $\mu\text{g/l}$ )

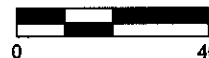
 100 Dissolved-Phase MTBE Contour ( $\mu\text{g/l}$ )



**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. UST = underground storage tank. Results obtained using EPA Method 8260B.

SCALE (FEET)



L:\Graphics\QMS NORTH-SOUTH\15325+5325\QMS(NEW)\DWG Apr 15, 2009 - 10:46am tschmidt

MS=1,40 5325-003



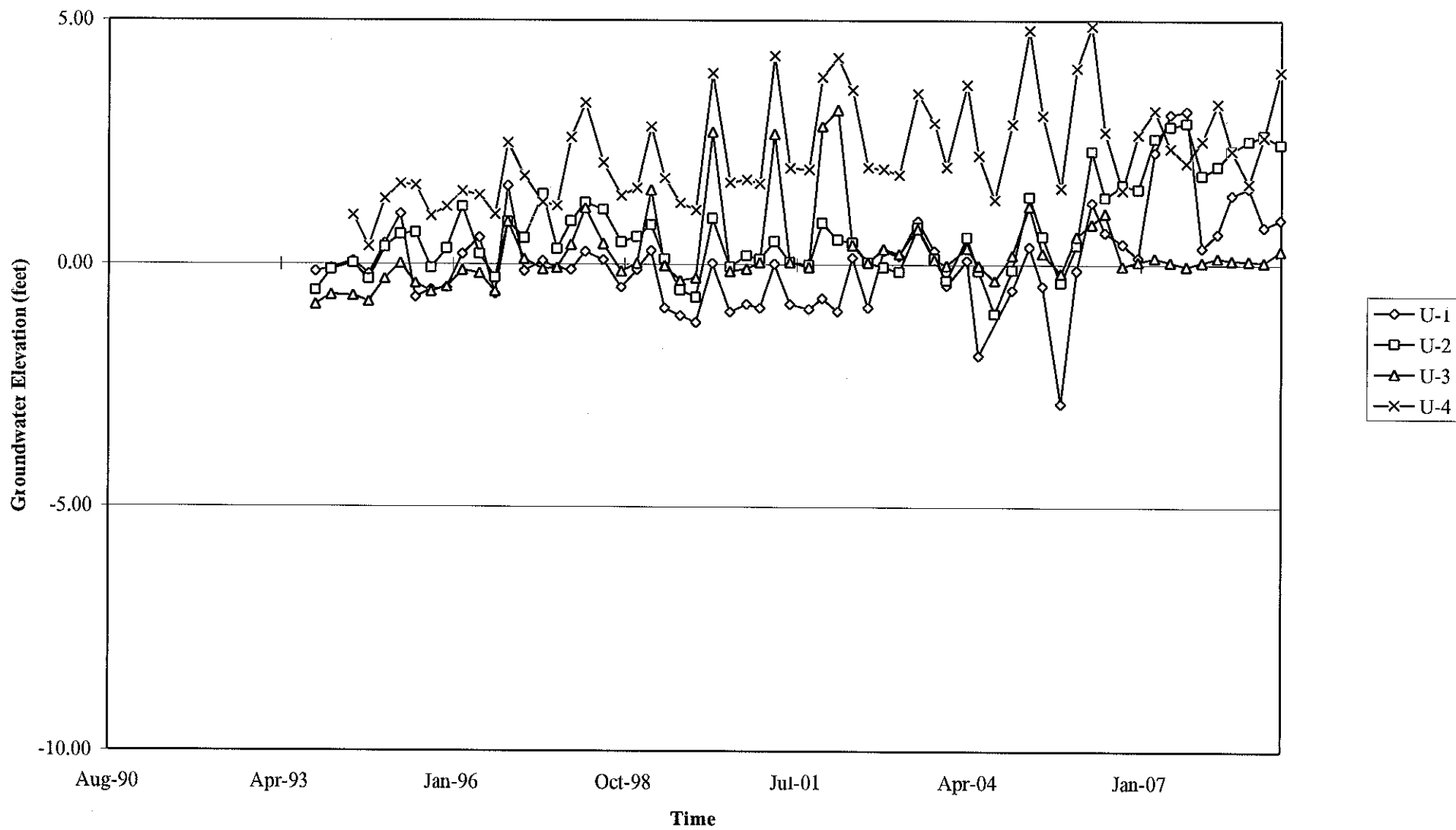
PROJECT: 165521  
 FACILITY:  
 76 STATION 5325  
 3220 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

**DISSOLVED-PHASE MTBE  
 CONCENTRATION MAP  
 March 26, 2009**

**FIGURE 5**

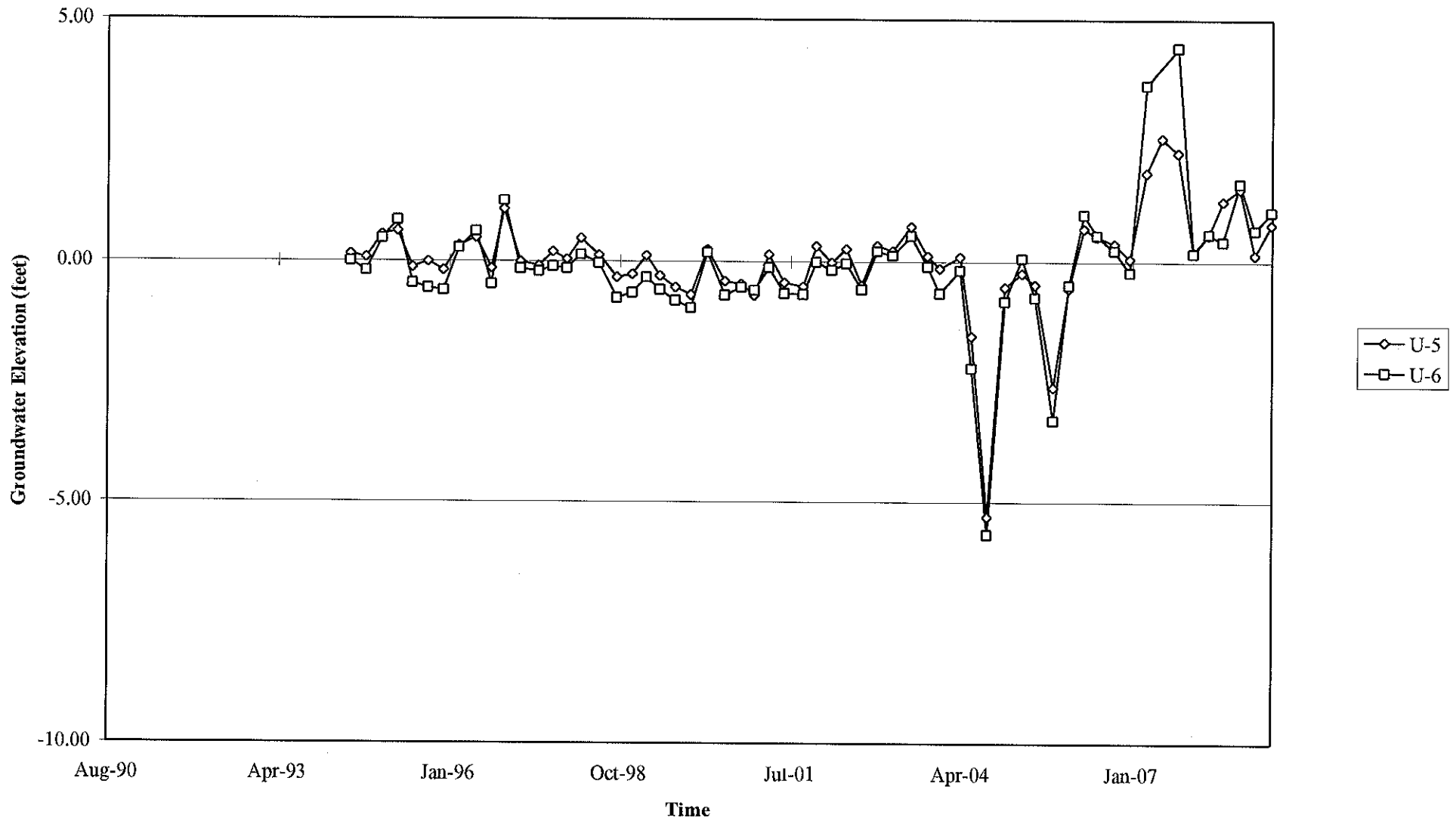
# GRAPHS

Groundwater Elevations vs. Time  
76 Station 5325



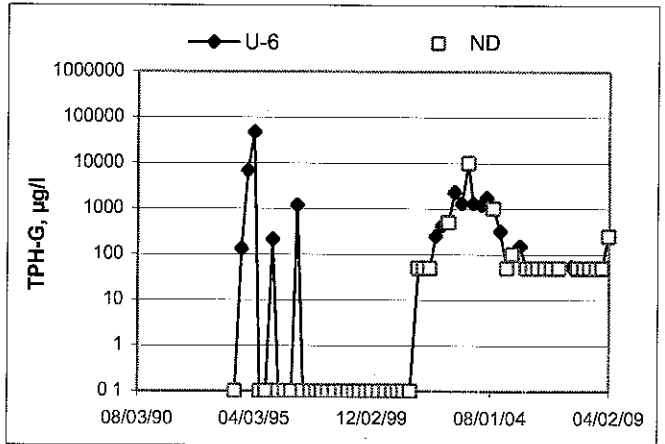
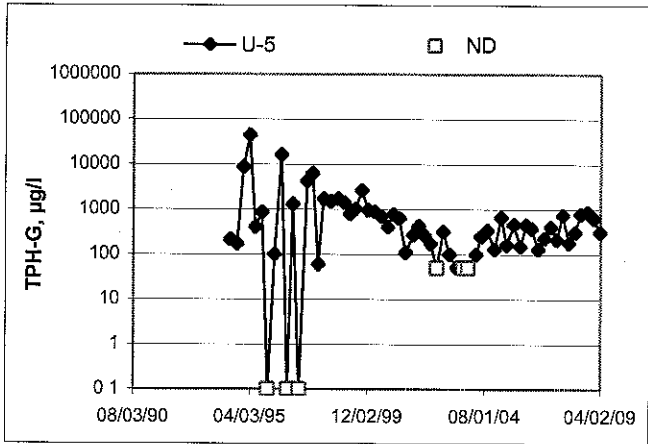
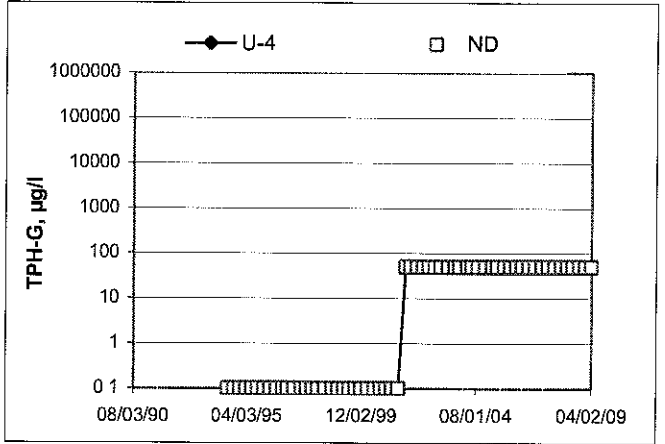
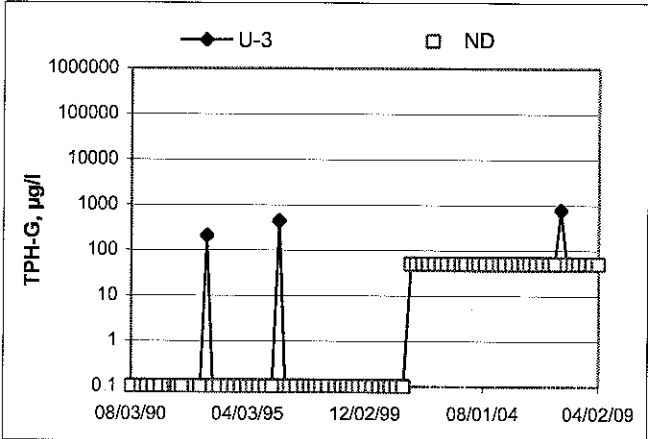
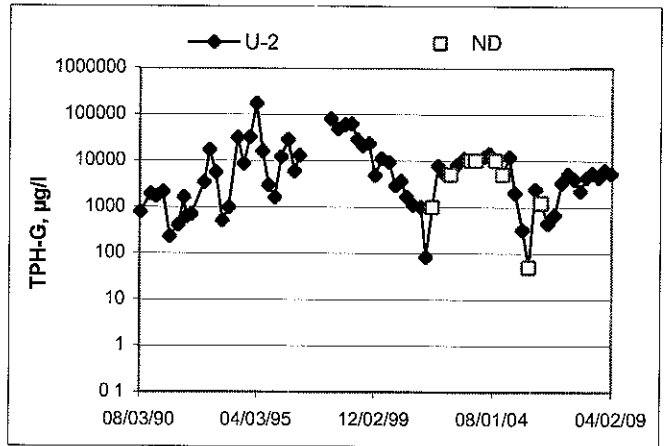
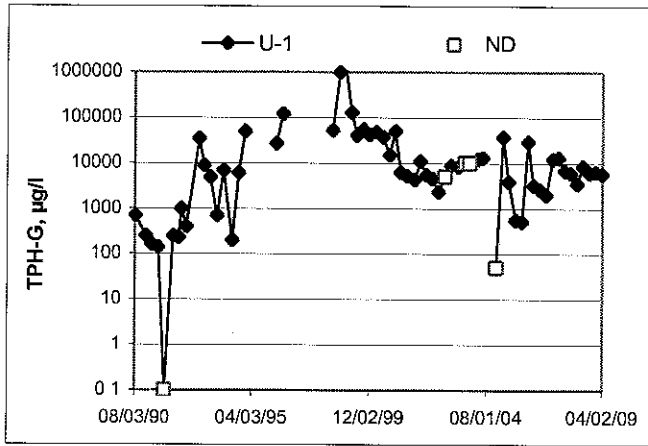
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time  
76 Station 5325

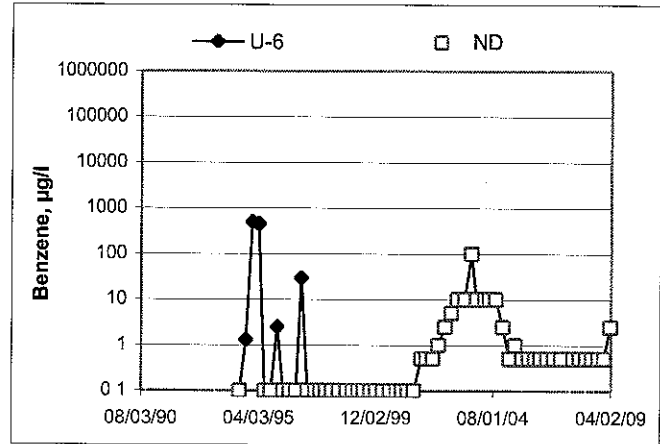
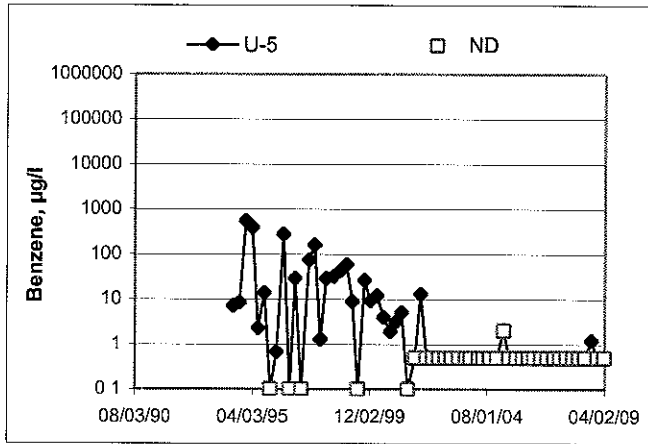
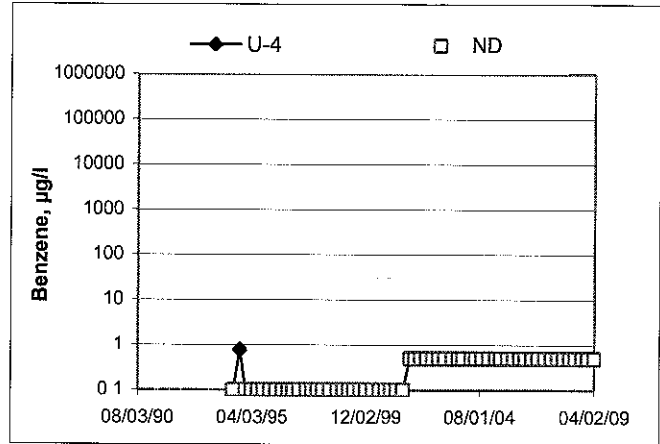
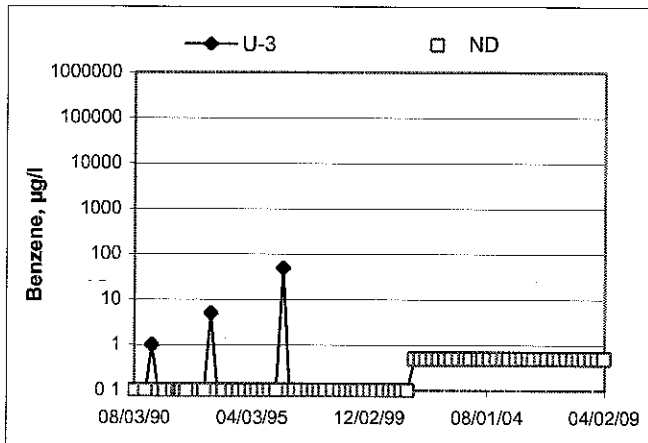
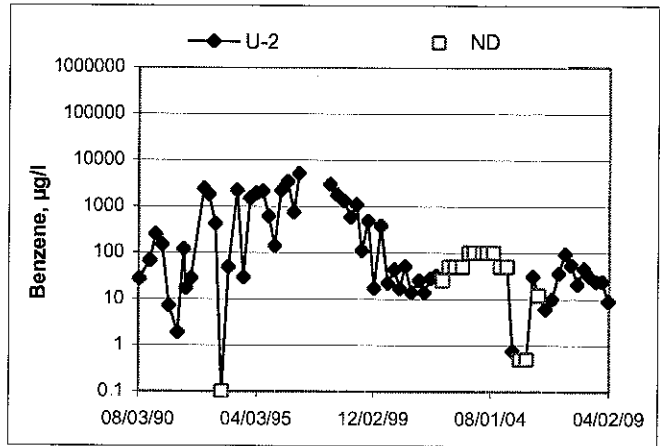
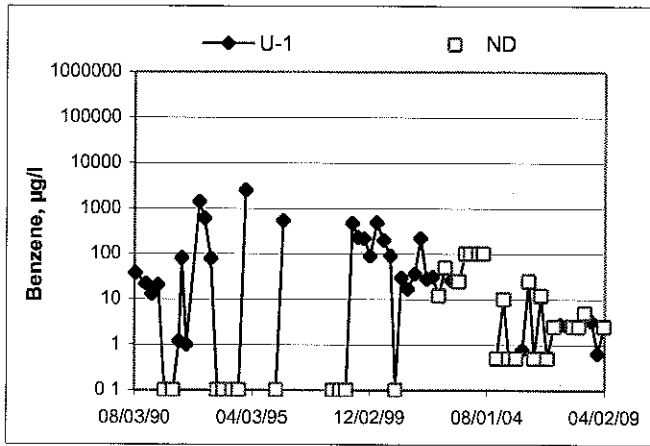


Elevations may have been corrected for apparent changes due to resurvey

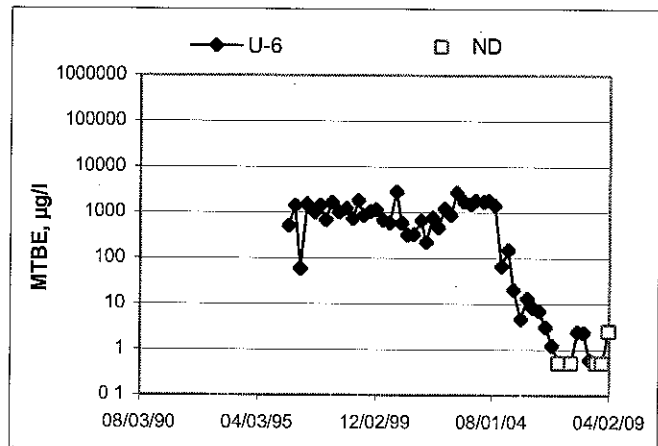
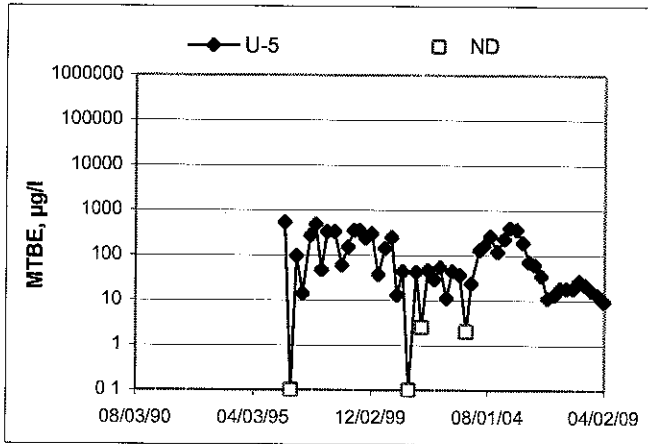
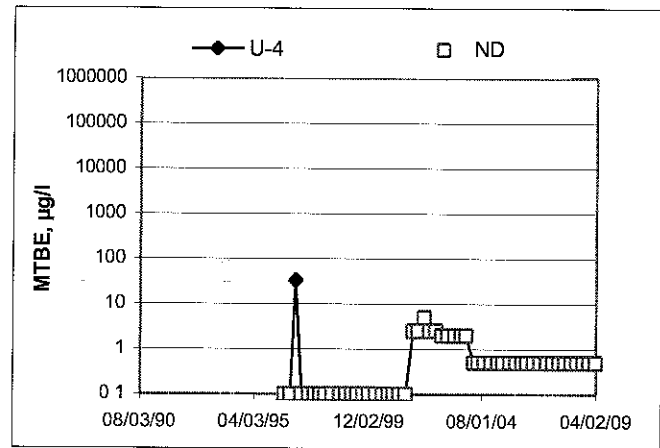
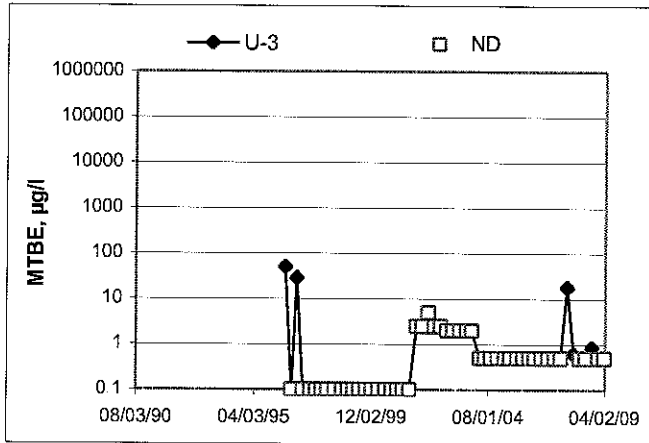
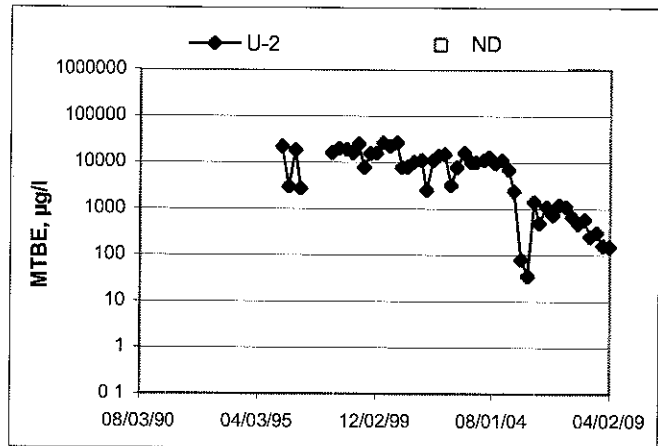
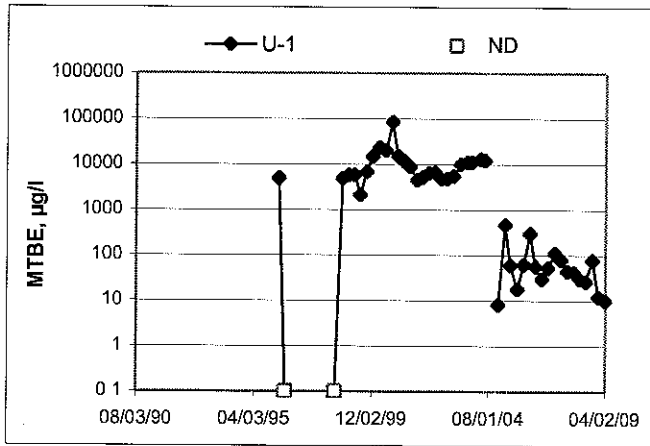
TPH-G Concentrations vs Time  
76 Station 5325



**Benzene Concentrations vs Time**  
76 Station 5325



MTBE Concentrations vs Time  
76 Station 5325





# GENERAL FIELD PROCEDURES

## **Groundwater Monitoring and Sampling Assignments**

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

## **Fluid Level Measurements**

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

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

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

## **Purging and Groundwater Parameter Measurement**

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

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

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

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

## **Groundwater Sample Collection**

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

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

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

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

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

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

## **Decontamination**

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

## **Exceptions**

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



## GROUNDWATER SAMPLING FIELD NOTES

Technician: Ricky H

Site: 5325

Project No.: 165521

Date: 03/26/09

Well No. U-6

Purge Method: Sub

Depth to Water (feet): 6.20

Depth to Product (feet):     

Total Depth (feet): 23.21

LPH & Water Recovered (gallons):     

Water Column (feet): 17.01

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 9.60

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	DO (mg/L)	ORP	Turbidity	
<b>Pre-Purge</b>										
0634			3	239.6	14.3	8.29	1.67	39		
			6	223.1	14.5	7.62	1.81	-3		
	0641		9	237.8	14.7	7.51	1.71	-4		
		Static at Time Sampled		Total Gallons Purged			Sample Time			
		9.60		9			0647			
<b>Comments:</b>										

Well No. U-4

Purge Method: Sub

Depth to Water (feet): 7.21

Depth to Product (feet):     

Total Depth (feet): 19.27

LPH & Water Recovered (gallons):     

Water Column (feet): 12.03

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 9.62

1 Well Volume (gallons): 9

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	DO (mg/L)	ORP	Turbidity	
<b>Pre-Purge</b>										
0658	0706		9	1019	17.2	7.09	2.96	17		
			18							
			24							
		Static at Time Sampled		Total Gallons Purged			Sample Time			
		12.51		15			0707			
<b>Comments:</b> well went dry at 15 gallons. did not recover in 45 mins, did not recover in 2 hrs.										

## GROUNDWATER SAMPLING FIELD NOTES

Technician: Rock/H.

Site: 5325

Project No.: 165521

Date: 03/25/09

Well No. U-3

Purge Method: Sub

Depth to Water (feet): 10.70

Depth to Product (feet): —

Total Depth (feet): 19.38

LPH & Water Recovered (gallons): —

Water Column (feet): 8.68

Casing Diameter (Inches): 3"

80% Recharge Depth(feet): 12.44

1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D O (mg/L)	ORP	Turbidity
Pre-Purge									
0715	0719		4	913.2	16.0	7.52	1.98	59	
			8						
			12						
		Static at Time Sampled		Total Gallons Purged		Sample Time			
		11.15		4		0845			
Comments: <u>well went dry at 4 gallons. did not recover in 45 mins</u>									

Well No. U-5

Purge Method: Sub

Depth to Water (feet): 6.20

Depth to Product (feet): —

Total Depth (feet): 20.05

LPH & Water Recovered (gallons): —

Water Column (feet): 13.85

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 8.97

1 Well Volume (gallons): 10

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D O (mg/L)	ORP	Turbidity
Pre-Purge									
0724			10	836.7	16.5	6.63	0.39	-88	
			20	1321	17.9	6.66	0.61	-99	
	0733		30	1247	17.1	6.79	0.53	-74	
		Static at Time Sampled		Total Gallons Purged		Sample Time			
		8.47		30		0715			
Comments:									

## GROUNDWATER SAMPLING FIELD NOTES

Technician: Rickey H.

Site: 5325

Project No: 165521

Date: 03/26/09

Well No. U-1

Purge Method: Sub

Depth to Water (feet): 7.55

Depth to Product (feet):         

Total Depth (feet): 13.46

LPH & Water Recovered (gallons):         

Water Column (feet): 5.91

Casing Diameter (Inches): 3"

80% Recharge Depth(feet): 8.73

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	DO (mg/L)	ORP	Turbidity
Pre-Purge									
0744	0744		3						
			6						
			9						
Static at Time Sampled			Total Gallons Purged			Sample Time			
8.01			2			0930			
Comments: <u>well went dry at 2 gallons, did not recover in 45 min</u>									

Well No. U-2

Purge Method: Sub

Depth to Water (feet): 5.17

Depth to Product (feet):         

Total Depth (feet): 20.04

LPH & Water Recovered (gallons):         

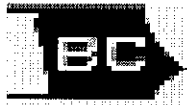
Water Column (feet): 14.87

Casing Diameter (Inches): 3"

80% Recharge Depth(feet): 8.14

1 Well Volume (gallons): 6

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	DO (mg/L)	ORP	Turbidity
Pre-Purge									
0754	0759		6	1205	16.8	6.40	1.56	-73	
			12						
			18						
Static at Time Sampled			Total Gallons Purged			Sample Time			
10.87			8			1015			
Comments: <u>well went dry at 8 gallons, did not recover in 45 mins, well did not recover in 2 hrs</u>									



**BC Laboratories, Inc.**

Environmental Testing Laboratory Since 1949

Date of Report: 04/08/2009

Anju Farfan

TRC

21 Technology Drive  
Irvine, CA 92618

RE: 5325  
BC Work Order: 0904017  
Invoice ID: B060031

Enclosed are the results of analyses for samples received by the laboratory on 3/26/2009. 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: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

**Laboratory / Client Sample Cross Reference**

Laboratory	Client Sample Information			Receive Date:	Sampling Date:	Sample Depth:	Sample Matrix:	Delivery Work Order:	Global ID:	Location ID (FieldPoint):	Matrix:	Sample QC Type (SACode):	Cooler ID:
0904017-01	COC Number:	---		03/26/2009 22:15	03/26/2009 06:47	---	Water		T0600101463	U-6	W	CS	
	Project Number:	5325											
	Sampling Location:	---											
	Sampling Point:	U-6											
	Sampled By:	TRCI											
0904017-02	COC Number:	---		03/26/2009 22:15	03/26/2009 09:07	---	Water		T0600101463	U-4	W	CS	
	Project Number:	5325											
	Sampling Location:	---											
	Sampling Point:	U-4											
	Sampled By:	TRCI											
0904017-03	COC Number:	---		03/26/2009 22:15	03/26/2009 08:45	---	Water		T0600101463	U-3	W	CS	
	Project Number:	5325											
	Sampling Location:	---											
	Sampling Point:	U-3											
	Sampled By:	TRCI											
0904017-04	COC Number:	---		03/26/2009 22:15	03/26/2009 09:15	---	Water		T0600101463	U-5	W	CS	
	Project Number:	5325											
	Sampling Location:	---											
	Sampling Point:	U-5											
	Sampled By:	TRCI											

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  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	Delivery Work Order:
0904017-05	COC Number:	---		03/26/2009 22:15	
	Project Number:	5325		Sampling Date: 03/26/2009 09:30	Global ID: T0600101463
	Sampling Location:	---		Sample Depth: ---	Location ID (FieldPoint): U-1
	Sampling Point:	U-1		Sample Matrix: Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0904017-06	COC Number:	---		03/26/2009 22:15	
	Project Number:	5325		Sampling Date: 03/26/2009 10:15	Global ID: T0600101463
	Sampling Location:	---		Sample Depth: ---	Location ID (FieldPoint): U-2
	Sampling Point:	U-2		Sample Matrix: Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Fartan

Reported: 04/08/2009 15:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0904017-01		Client Sample Name: 5325, U-6, 3/26/2009 6:47:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	2.5		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259	ND	A10,Z1
Ethylbenzene	ND	ug/L	2.5		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259	ND	A10,Z1
Methyl t-butyl ether	ND	ug/L	2.5		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259	ND	A10,Z1
Toluene	ND	ug/L	2.5		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259	ND	A10,Z1
Total Xylenes	ND	ug/L	5.0		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259	ND	A10,Z1
Ethanol	ND	ug/L	1200		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259	ND	A10,Z1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	250		Luft-GC/MS	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259	ND	A10,Z1
1,2-Dichloroethane-d4 (Surrogate)	101	%	76 - 114 (LCL - UCL)		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259		

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Water Analysis (General Chemistry)

BCL Sample ID: 0904017-01		Client Sample Name: 5325, U-6, 3/26/2009 6:47:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Nitrate as N	ND	mg/L	0.10		EPA-300.0	03/27/09	03/27/09 12:57	VH1	IC2	1	BSC1955	ND	
Iron (II) Species	540000	ug/L	50000		SM-3500-FeC	03/28/09	03/28/09 09:00	MSA	SPEC05	500	BSC1963	ND	A01
ortho-Phosphate	0.28	mg/L	0.050		EPA-365.1	03/27/09	03/27/09 09:56	TDC	KONE-1	1	BSC1895	ND	

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0904017-02		Client Sample Name: 5325, U-4, 3/26/2009 9:07:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	1	BSC1987	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	1	BSC1987	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	1	BSC1987	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	i	BSC1987	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	i	BSC1987	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	1	BSC1987	ND	A40
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	03/31/09	03/31/09 17:41	KEA	MS-V12	1	BSC1987	ND	
1,2-Dichloroethane-d4 (Surrogate)	99.8	%	76 - 114 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	1	BSC1987		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	1	BSC1987		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	i	BSC1987		

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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Water Analysis (General Chemistry)

BCL Sample ID: 0904017-02		Client Sample Name: 5325, U-4, 3/26/2009 9:07:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep	Run		Instru- ment ID	Dilution	QC	MB	Lab
						Date	Date/Time	Analyst			Batch ID	Bias	Quals
Nitrate as N	4.4	mg/L	0.10		EPA-300.0	03/27/09	03/27/09	13:11	VH1	IC2	1	BSC1955	ND
Iron (II) Species	ND	ug/L	100		SM-3500-FeI	03/28/09	03/28/09	09:00	MSA	SPEC05	i	BSC1963	ND
ortho-Phosphate	0.37	mg/L	0.050		EPA-365.1	03/27/09	03/27/09	09:56	TDC	KONE-1	1	BSC1895	ND



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Fartan

Reported: 04/08/2009 15:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0904017-03		Client Sample Name: 5325, U-3, 3/26/2009 8:45:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987	ND	A40
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987	ND	
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	1	BSC1987		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	1	BSC1987		

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Water Analysis (General Chemistry)

BCL Sample ID: 0904017-03		Client Sample Name: 5325, U-3, 3/26/2009 8:45:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Nitrate as N	4.8	mg/L	0.10		EPA-300.0	03/27/09	03/27/09 13:25	VH1	IC2	1	BSC1955	ND	
Iron (II) Species	ND	ug/L	100		SM-3500-FeI	03/28/09	03/28/09 09:00	MSA	SPEC05	i	BSC1963	ND	
ortho-Phosphate	0.66	mg/L	0.050		EPA-365.1	03/27/09	03/27/09 09:56	TDC	KONE-1	1	BSC1895	ND	

*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  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Fartan

Reported: 04/08/2009 15:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0904017-04		Client Sample Name: 5325, U-5, 3/26/2009 9:15:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987	ND	
<b>Methyl t-butyl ether</b>	<b>9.4</b>	<b>ug/L</b>	<b>0.50</b>		<b>EPA-8260</b>	<b>03/31/09</b>	<b>03/31/09 16:52</b>	<b>KEA</b>	<b>MS-V12</b>	<b>1</b>	<b>BSC1987</b>	<b>ND</b>	
Toluene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987	ND	A40
<b>Total Purgeable Petroleum Hydrocarbons</b>	<b>310</b>	<b>ug/L</b>	<b>50</b>		<b>Luft-GC/MS</b>	<b>03/31/09</b>	<b>03/31/09 16:52</b>	<b>KEA</b>	<b>MS-V12</b>	<b>1</b>	<b>BSC1987</b>	<b>ND</b>	
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987		
4-Bromofluorobenzene (Surrogate)	99.1	%	86 - 115 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987		

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  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Water Analysis (General Chemistry)

<b>BCL Sample ID:</b>	0904017-04		<b>Client Sample Name:</b> 5325, U-5, 3/26/2009 9:15:00AM										
<b>Constituent</b>	<b>Result</b>	<b>Units</b>	<b>PQL</b>	<b>MDL</b>	<b>Method</b>	<b>Prep Date</b>	<b>Run Date/Time</b>	<b>Analyst</b>	<b>Instru-ment ID</b>	<b>Dilution</b>	<b>QC Batch ID</b>	<b>MB Bias</b>	<b>Lab Quals</b>
Nitrate as N	ND	mg/L	0.10		EPA-300.0	03/27/09	03/27/09 13:38	VH1	IC2	i	BSC1955	ND	
Iron (II) Species	990	ug/L	100		SM-3500-FeC	03/28/09	03/28/09 09:00	MSA	SPEC05	1	BSC1963	ND	
ortho-Phosphate	ND	mg/L	0.050		EPA-365.1	03/27/09	03/27/09 09:56	TDC	KONE-i	i	BSC1895	ND	

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0904017-05		Client Sample Name: 5325, U-1; 3/26/2009 9:30:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	2.5		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987	ND	A01
Ethylbenzene	72	ug/L	2.5		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987	ND	A01
Methyl t-butyl ether	10	ug/L	2.5		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987	ND	A01
Toluene	ND	ug/L	2.5		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987	ND	A01
<b>Total Xylenes</b>	<b>6.5</b>	<b>ug/L</b>	<b>5.0</b>		<b>EPA-8260</b>	<b>03/31/09</b>	<b>04/01/09 01:17</b>	<b>KEA</b>	<b>MS-V12</b>	<b>5</b>	<b>BSC1987</b>	<b>ND</b>	<b>A01</b>
Ethanol	ND	ug/L	1200		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987	ND	A01,A40
<b>Total Purgeable Petroleum Hydrocarbons</b>	<b>5700</b>	<b>ug/L</b>	<b>250</b>		<b>Luft-GC/MS</b>	<b>03/31/09</b>	<b>04/01/09 01:17</b>	<b>KEA</b>	<b>MS-V12</b>	<b>5</b>	<b>BSC1987</b>	<b>ND</b>	<b>A01</b>
1,2-Dichloroethane-d4 (Surrogate)	90.4	%	76 - 114 (LCL - UCL)		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987		
4-Bromofluorobenzene (Surrogate)	96.2	%	86 - 115 (LCL - UCL)		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987		

*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  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Water Analysis (General Chemistry)

BCL Sample ID: 0904017-05		Client Sample Name: 5325, U-1, 3/26/2009 9:30:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Nitrate as N	ND	mg/L	0.10		EPA-300.0	03/27/09	03/27/09 14:19	VH1	IC2	1	BSC1955	ND	
Iron (II) Species	2400	ug/L	100		SM-3500-FeC	03/28/09	03/28/09 09:00	MSA	SPEC05	1	BSC1963	ND	
ortho-Phosphate	0.11	mg/L	0.050		EPA-365.1	03/27/09	03/27/09 09:56	TDC	KONE-1	1	BSC1895	ND	



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Fartan

Reported: 04/08/2009 15:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0904017-06		Client Sample Name: 5325, U-2, 3/26/2009 10:15:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	8.9	ug/L	2.5		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987	ND	A01
Ethylbenzene	47	ug/L	2.5		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987	ND	A01
Methyl t-butyl ether	150	ug/L	2.5		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987	ND	A01
Toluene	ND	ug/L	2.5		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987	ND	A01
Total Xylenes	22	ug/L	5.0		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987	ND	A01
Ethanol	ND	ug/L	1200		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987	ND	A01,A40
Total Purgeable Petroleum Hydrocarbons	5200	ug/L	250		Luft-GC/MS	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	92.3	%	76 - 114 (LCL - UCL)		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987		
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987		
4-Bromofluorobenzene (Surrogate)	96.2	%	86 - 115 (LCL - UCL)		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987		

*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  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Water Analysis (General Chemistry)

BCL Sample ID: 0904017-06		Client Sample Name: 5325, U-2, 3/26/2009 10:15:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Nitrate as N	ND	mg/L	0.10		EPA-300.0	03/27/09	03/27/09 14:33	VH1	IC2	1	BSC1955	ND	
Iron (II) Species	2600	ug/L	100		SM-3500-FeC	03/28/09	03/28/09 09:00	MSA	SPEC05	1	BSC1963	ND	
ortho-Phosphate	ND	mg/L	0.050		EPA-365.i	03/27/09	03/27/09 09:58	TDC	KONE-i	i	BSC1895	ND	

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Fartan

Reported: 04/08/2009 15:27

### 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		Lab Quals
										RPD	Percent Recovery	
Benzene	BSC1987	Matrix Spike	0903406-50	0	21.260	25.000	ug/L		85.0		70 - 130	
		Matrix Spike Duplicate	0903406-50	0	20.140	25.000	ug/L	5.3	80.6	20	70 - 130	
Toluene	BSC1987	Matrix Spike	0903406-50	0	25.460	25.000	ug/L		102		70 - 130	
		Matrix Spike Duplicate	0903406-50	0	22.670	25.000	ug/L	11.7	90.7	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BSC1987	Matrix Spike	0903406-50	ND	9.7400	10.000	ug/L		97.4		76 - 114	
		Matrix Spike Duplicate	0903406-50	ND	9.8300	10.000	ug/L		98.3		76 - 114	
Toluene-d8 (Surrogate)	BSC1987	Matrix Spike	0903406-50	ND	10.020	10.000	ug/L		100		88 - 110	
		Matrix Spike Duplicate	0903406-50	ND	10.010	10.000	ug/L		100		88 - 110	
4-Bromofluorobenzene (Surrogate)	BSC1987	Matrix Spike	0903406-50	ND	10.010	10.000	ug/L		100		86 - 115	
		Matrix Spike Duplicate	0903406-50	ND	9.7600	10.000	ug/L		97.6		86 - 115	
Benzene	BSD0259	Matrix Spike	0903406-60	0	25.500	25.000	ug/L		102		70 - 130	
		Matrix Spike Duplicate	0903406-60	0	25.090	25.000	ug/L	2.0	100	20	70 - 130	
Toluene	BSD0259	Matrix Spike	0903406-60	0	25.470	25.000	ug/L		102		70 - 130	
		Matrix Spike Duplicate	0903406-60	0	23.780	25.000	ug/L	7.0	95.1	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BSD0259	Matrix Spike	0903406-60	ND	9.4800	10.000	ug/L		94.8		76 - 114	
		Matrix Spike Duplicate	0903406-60	ND	9.2300	10.000	ug/L		92.3		76 - 114	
Toluene-d8 (Surrogate)	BSD0259	Matrix Spike	0903406-60	ND	10.000	10.000	ug/L		100		88 - 110	
		Matrix Spike Duplicate	0903406-60	ND	9.8900	10.000	ug/L		98.9		88 - 110	
4-Bromofluorobenzene (Surrogate)	BSD0259	Matrix Spike	0903406-60	ND	9.7600	10.000	ug/L		97.6		86 - 115	
		Matrix Spike Duplicate	0903406-60	ND	9.6600	10.000	ug/L		96.6		86 - 115	

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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

## Water Analysis (General Chemistry)

### Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Spike Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
										RPD	Percent Recovery	
ortho-Phosphate	BSC1895	Duplicate	0904017-01	0.27860	0.27603		mg/L	0.9		10		
		Matrix Spike	0904017-01	0.27860	0.95022	0.64547	mg/L		104		90 - 110	
		Matrix Spike Duplicate	0904017-01	0.27860	0.95056	0.64547	mg/L	0	104	10	90 - 110	
Nitrate as N	BSC1955	Duplicate	0904016-02	0.056000	ND		mg/L			10		
		Matrix Spike	0904016-02	0.056000	5.0687	5.0505	mg/L		99.3		80 - 120	
		Matrix Spike Duplicate	0904016-02	0.056000	5.0576	5.0505	mg/L	0.3	99.0	10	80 - 120	
Iron (II) Species	BSC1963	Duplicate	0904017-02	21.429	ND		ug/L			10		

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A

TRC 21 Technology Drive Irvine, CA 92618	Project: 5325 Project Number: 4511030514 Project Manager: Anju Farfan	Reported: 04/08/2009 15:27
--	---	----------------------------

## 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	BSC1987	BSC1987-BS1	LCS	20.060	25.000	0.50	ug/L	80.2		70 - 130		
Toluene	BSC1987	BSC1987-BS1	LCS	21.500	25.000	0.50	ug/L	86.0		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSC1987	BSC1987-BS1	LCS	10.090	10.000		ug/L	101		76 - 114		
Toluene-d8 (Surrogate)	BSC1987	BSC1987-BS1	LCS	10.070	10.000		ug/L	101		88 - 110		
4-Bromofluorobenzene (Surrogate)	BSC1987	BSC1987-BS1	LCS	9.9000	10.000		ug/L	99.0		86 - 115		
Benzene	BSD0259	BSD0259-BS1	LCS	24.640	25.000	0.50	ug/L	98.6		70 - 130		
Toluene	BSD0259	BSD0259-BS1	LCS	23.470	25.000	0.50	ug/L	93.9		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSD0259	BSD0259-BS1	LCS	10.030	10.000		ug/L	100		76 - 114		
Toluene-d8 (Surrogate)	BSD0259	BSD0259-BS1	LCS	10.010	10.000		ug/L	100		88 - 110		
4-Bromofluorobenzene (Surrogate)	BSD0259	BSD0259-BS1	LCS	9.7900	10.000		ug/L	97.9		86 - 115		

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 [www.bclabs.com](http://www.bclabs.com)  
 Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A





TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Fartan

Reported: 04/08/2009 15:27

### Water Analysis (General Chemistry)

#### 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	
ortho-Phosphate	BSC1895	BSC1895-BS1	LCS	0.62574	0.61320	0.050	mg/L	102		90 - 110		
Nitrate as N	BSC1955	BSC1955-BS1	LCS	4.8700	5.0000	0.10	mg/L	97.4		90 - 110		
Iron (II) Species	BSC1963	BSC1963-BS1	LCS	2003.9	2000.0	100	ug/L	100		90 - 110		

*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  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

## 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	BSC1987	BSC1987-BLK1	ND	ug/L	0.50		
Ethylbenzene	BSC1987	BSC1987-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BSC1987	BSC1987-BLK1	ND	ug/L	0.50		
Toluene	BSC1987	BSC1987-BLK1	ND	ug/L	0.50		
Total Xlenes	BSC1987	BSC1987-BLK1	ND	ug/L	1.0		
Ethanol	BSC1987	BSC1987-BLK1	ND	ug/L	250		
Total Purgeable Petroleum Hydrocarbons	BSC1987	BSC1987-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BSC1987	BSC1987-BLK1	93.8	%		76 - 114 (LCL - UCL)	
Toluene-d8 (Surrogate)	BSC1987	BSC1987-BLK1	102	%		88 - 110 (LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BSC1987	BSC1987-BLK1	97.3	%		86 - 115 (LCL - UCL)	
Benzene	BSD0259	BSD0259-BLK1	ND	ug/L	0.50		
Ethylbenzene	BSD0259	BSD0259-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BSD0259	BSD0259-BLK1	ND	ug/L	0.50		
Toluene	BSD0259	BSD0259-BLK1	ND	ug/L	0.50		
Total Xlenes	BSD0259	BSD0259-BLK1	ND	ug/L	1.0		
Ethanol	BSD0259	BSD0259-BLK1	ND	ug/L	250		
Total Purgeable Petroleum Hydrocarbons	BSD0259	BSD0259-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BSD0259	BSD0259-BLK1	88.4	%		76 - 114 (LCL - UCL)	
Toluene-d8 (Surrogate)	BSD0259	BSD0259-BLK1	99.4	%		88 - 110 (LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BSD0259	BSD0259-BLK1	97.1	%		86 - 115 (LCL - UCL)	

*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.  
4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Fartan

Reported: 04/08/2009 15:27

## Water Analysis (General Chemistry)

### Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
ortho-Phosphate	BSC1895	BSC1895-BLK1	ND	mg/L	0.050		
Nitrate as N	BSC1955	BSC1955-BLK1	ND	mg/L	0.10		
Iron (II) Species	BSC1963	BSC1963-BLK1	ND	ug/L	100		

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

**Notes And Definitions**

- MDL Method Detection Limit
- ND Analyte Not Detected at or above the reporting limit
- PQL Practical Quantitation Limit
- RPD Relative Percent Difference
- A01 PQL's and MDL's are raised due to sample dilution.
- A10 PQL's and MDL's were raised due to matrix interference.
- A40 Initial calibration linearity criteria not met.
- Z1 Sample was a foamer.

Submission #: 090407

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: \_\_\_\_\_

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

COC Received  
 YES  NO

Emissivity: .98 Container: QA Thermometer ID: 74463  
 Temperature: A 2.9 °C / C 2.7 °C

2220  
 Date/Time 03-26-09  
 Analyst Init ALM

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL		A526				RAW 3/26				
PT PE UNPRESERVED	A	A13C				A13				
OT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
20% NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A13	A13	A13	A13	A13				
OT EPA 413.1, 413.2, #18.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGIC#										
40 ml VOA VIAL 504										
OT EPA 508/608/8080										
OT EPA 515.1/8150										
OT EPA 525										
OT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
OT EPA 548										
OT EPA 549										
OT EPA 632										
OT EPA 8015M										
OT AMBER										
8 OZ. JAR										
31 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

CHK BY: [Signature] DISTRIBUTION: [Signature]  
 SUB-OUT

SHORT HOLDING TIME  
 C<sup>+</sup> NO<sub>2</sub> NO<sub>3</sub> OF SS  
 DO Cl<sub>2</sub> BOD MBAS COT

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: ALM Date/Time: 03-26-09

A = Actual / C = Corrected

2340

Submission #: 0904017

**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: \_\_\_\_\_  
In tact? Yes  No  In tact? Yes  No

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

**COC Received**  
 YES  NO

Emissivity: .98 Container: PTP Thermometer ID: TH163  
 Temperature: A 1.6 °C / C 1.6 °C

2220  
 Date/Time 03-26-09  
 Analyst Init ALM

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/GENERAL PHYSICAL										
PT PE UNPRESERVED	B		BC	BC	BC					
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
26% NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PLA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 503/608/8080										
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: ALM Date/Time: 03-26-09  
 A = Actual / C = Corrected

2366

**BC LABORATORIES, INC.**

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

**CHAIN OF CUSTODY**

0904017

**Analysis Requested**

Bill to: Conoco Phillips/ TRC		Consultant Firm: TRC		MATRIX (GW) Ground-water (S) Soil (WW) Waste-water (SL) Sludge BTEX/MTBE by 8021B, Gas by 8015 TPH GAS by 8015M TPH DIESEL by 8015 8260 full list w/ oxygenates BTEX/MTBE BY 8260B ETHANOL by 8260B TPH-G by GC/MS Ferrous Iron Nitrate ortho-phosphate Turnaround Time Requested
Address: 3220 Lakeshore Ave		21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan		
City: Oakland		4-digit site#: 5325		
State: CA Zip:		Workorder # 01394-4511030514		
Conoco Phillips Mgr: Terry Grayson		Project #: 165521		
		Sampler Name: Ricky H.		

Lab#	Sample Description	Field Point Name	Date & Time Sampled										
-1	U-6		03/26/09 0647	GW				X	X	X	X	X	STD
-2	U-4		0907										
-3	U-3		0845										
-4	U-5		0915										
-5	U-1		0930										
-6	U-2		1015										

Comments: Run 8 OXYS 8260 on all MTBE hits GLOBAL ID: T0600101463 (Please preserve for Ferrous Iron)	Relinquished by: (Signature) <i>[Signature]</i>	Received by: in Refrigerator	Date & Time 03/26/09 1130
	Relinquished by: (Signature) <i>[Signature]</i>	Received by: R. Grayson	Date & Time 3-26-09 1500
	Relinquished by: (Signature) R. Grayson 3-26-09 2215	Received by: <i>[Signature]</i>	Date & Time 3-26-09 2215

TO REORDER CALL PROFORMA SOLUTIONS FOR PRINTING • (661) 633-1117 781489

## **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.





21 Technology Drive  
Irvine, CA 92618

949.727.9336 PHONE  
949.727.7399 FAX

www.TRCSolutions.com

DATE: April 17, 2009

TO: Delta Consultants  
11050 White Rock Road, Suite 110  
Rancho Cordova, CA 95670

ATTN: MR. JOHN REAY

SITE: 76 STATION 5325  
3220 LAKESHORE AVENUE  
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT  
JANUARY THROUGH MARCH 2009

This Quarterly Monitoring Report for 76 Station 5325 is being sent to you for your review and comment. If no comments are received **April 24, 2009** copies of this report will be sent to you for distribution.

Please send all comments to me at [cherrera@trcsolutions.com](mailto:cherrera@trcsolutions.com). If you have any questions regarding this report, please call me at (949) 727-7345.

Sincerely,

A handwritten signature in black ink, appearing to read "Christina Carrillo". The signature is stylized with large loops and a long horizontal stroke at the end. The letters "TRC" are printed in a small font above the beginning of the signature.

Christina Carrillo  
Technical Writer



21 Technology Drive  
Irvine, CA 92618

949.727.9336 PHONE  
949.727.7399 FAX

www.TRCSolutions.com

DATE: April 17, 2009

TO: ConocoPhillips Company  
76 Broadway  
Sacramento, CA 95818

ATTN: MR. TERRY GRAYSON

SITE: 76 STATION 5325  
3220 LAKESHORE AVENUE  
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT  
JANUARY THROUGH MARCH 2009

Dear Mr. Grayson:

Please find enclosed our Quarterly Monitoring Report for 76 Station 5325, located at 3220 Lakeshore Avenue, Oakland, California. If you have any questions regarding this report, please call us at (949) 727-9336.

Sincerely,

TRC

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

*for:* Anju Farfan  
Groundwater Program Operations Manager

CC: Mr. John Reay, Delta Consultants (2 copies)

Enclosures  
20-0400/5325R23 QMS

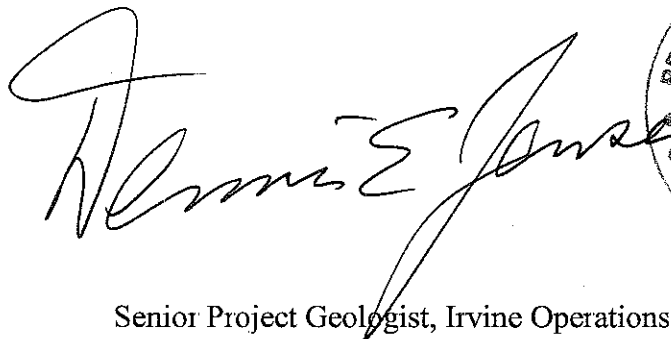
**QUARTERLY MONITORING REPORT  
JANUARY THROUGH MARCH 2009**

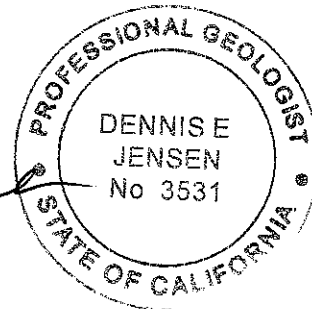
76 STATION 5325  
3220 Lakeshore Avenue  
Oakland, California

Prepared For:

Mr. Terry Grayson  
CONOCOPHILLIPS COMPANY  
76 Broadway  
Sacramento, California 95818

By:





Senior Project Geologist, Irvine Operations

Date: 4/16/09



## LIST OF ATTACHMENTS

Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Contents of Tables Table 1: Current Fluid Levels and Selected Analytical Results Table 1a: Additional Current Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 2a: Additional Historic Analytical Results Table 2b: Additional Historic Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G (GC/MS) Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time TPH-G Concentrations vs. Time Benzene Concentrations vs. Time MTBE Concentrations vs. Time
Field Activities	General Field Procedures Field Monitoring Data Sheet – 03/26/09 Groundwater Sampling Field Notes – 03/26/09
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

**Summary of Gauging and Sampling Activities**  
**January 2009 through March 2009**  
**76 Station 5325**  
**3220 Lakeshore Avenue**  
**Oakland, CA**

Project Coordinator: **Terry Grayson**  
Telephone: **916-558-7666**

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

Date(s) of Gauging/Sampling Event: **03/26/09**

**Sample Points**

Groundwater wells: **5** onsite, **1** offsite      Points gauged: **6**      Points sampled: **6**

Purging method: **Submersible pump**

Purge water disposal: **Veolia/Rodeo Unit 100**

Other Sample Points: **0**      Type: --

**Liquid Phase Hydrocarbons (LPH)**

Sample Points with LPH: **0**      Maximum thickness (feet): --

LPH removal frequency: --      Method: --

Treatment or disposal of water/LPH: --

**Hydrogeologic Parameters**

Depth to groundwater (below TOC):      Minimum: **5.17 feet**      Maximum: **10.7 feet**

Average groundwater elevation (relative to available local datum): **1.57 feet**

Average change in groundwater elevation since previous event: **0.42 feet**

Interpreted groundwater gradient and flow direction:

Current event: **0.03 ft/ft, east and west**

Previous event: **0.05 ft/ft, west and northeast (12/22/08)**

**Selected Laboratory Results**

Sample Points with detected **Benzene**: **1**      Sample Points above MCL (1.0 µg/l): **1**

Maximum reported benzene concentration: **8.9 µg/l (U-2)**

Sample Points with **TPH-G by GC/MS** **3**      Maximum: **5,700 µg/l (U-1)**

Sample Points with **MTBE 8260B** **3**      Maximum: **150 µg/l (U-2)**

**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
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)
D	=	duplicate
P	=	no-purge sample

### 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
IBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	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
IRPH	=	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.

### REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 5325 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 5325

### Current Event

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

Table 1a	Well/ Date	Ethanol (8260B)	Iron Ferrous	Nitrate	Phosphate (ortho)	Pre-purge Dissolved Oxygen	Pre-purge ORP
----------	---------------	--------------------	-----------------	---------	----------------------	----------------------------------	------------------

### Historic Data

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

Table 2a	Well/ Date	TBA	Ethanol (8260B)	Ethylene- dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Acenaph- thylene	Iron Ferrous	Nitrate	Phosphate (ortho)	Phosphate (total)
----------	---------------	-----	--------------------	---------------------------------	------------------	------	------	------	---------------------	-----------------	---------	----------------------	----------------------

Table 2b	Well/ Date	Redox Potential (ORP-Lab)	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
----------	---------------	---------------------------------	-----------------------------------	----------------------------------	------------------	-------------------



**Table 1**  
**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 26, 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-1</b>			<b>(Screen Interval in feet: 5.0-20.0)</b>											
03/26/09	8.46	7.55	0.00	0.91	0.15	--	5700	ND<2.5	ND<2.5	72	6.5	--	10	
<b>U-2</b>			<b>(Screen Interval in feet: 5.0-20.0)</b>											
03/26/09	7.62	5.17	0.00	2.45	-0.19	--	5200	8.9	ND<2.5	47	22	--	150	
<b>U-3</b>			<b>(Screen Interval in feet: 5.0-20.0)</b>											
03/26/09	10.98	10.70	0.00	0.28	0.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>U-4</b>			<b>(Screen Interval in feet: 5.0-20.0)</b>											
03/26/09	11.15	7.21	0.00	3.94	1.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>U-5</b>			<b>(Screen Interval in feet: 5.0-20.0)</b>											
03/26/09	6.98	6.20	0.00	0.78	0.63	--	310	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.4	
<b>U-6</b>			<b>(Screen Interval in feet: 5.0-24.0)</b>											
03/26/09	7.14	6.10	0.00	1.04	0.38	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	ND<2.5	

**Table 1 a**  
**ADDITIONAL CURRENT ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Ethanol (8260B) (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)
<b>U-1</b> 03/26/09	ND<1200	2400	ND<0.10	0.11	--	--
<b>U-2</b> 03/26/09	ND<1200	2600	ND<0.10	ND<0.050	1.56	-73
<b>U-3</b> 03/26/09	ND<250	ND<100	4.8	0.66	1.98	59
<b>U-4</b> 03/26/09	ND<250	ND<100	4.4	0.37	2.96	17
<b>U-5</b> 03/26/09	ND<250	990	ND<0.10	ND<0.050	0.39	-88
<b>U-6</b> 03/26/09	ND<1200	540000	ND<0.10	0.28	1.67	39

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-1</b>														
<b>(Screen Interval in feet: 5.0-20.0)</b>														
08/10/90	--	--	--	--	--	690	--	38	75	8.6	130	--	--	
01/07/91	--	--	--	--	--	250	--	22	16	4.2	17	--	--	
04/01/91	--	--	--	--	--	160	--	13	8.6	1.0	15	--	--	
07/03/91	--	--	--	--	--	140	--	21	4.3	0.36	17	--	--	
10/09/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/12/92	--	--	--	--	--	250	--	ND	ND	ND	ND	--	--	
05/05/92	--	--	--	--	--	230	--	1.2	ND	ND	ND	--	--	
06/11/92	--	--	--	--	--	1000	--	80	1.4	6.7	41	--	--	
08/20/92	--	--	--	--	--	400	--	1.0	ND	ND	0.6	--	--	
02/22/93	--	--	--	--	--	34000	--	1400	5500	910	7300	--	--	
05/07/93	--	--	--	--	--	8700	--	600	240	650	3300	--	--	
08/08/93	--	--	--	--	--	4900	--	79	ND	832	270	--	--	
11/16/93	5.32	8.61	0.00	-3.29	--	690	--	ND	ND	ND	ND	--	--	
02/16/94	5.32	8.54	0.00	-3.22	0.07	6800	--	ND	ND	ND	ND	--	--	
06/22/94	8.46	8.39	0.00	0.07	3.29	200	--	ND	ND	5.9	21	--	--	
09/22/94	8.46	8.66	0.00	-0.20	-0.27	6100	--	ND	ND	ND	ND	--	--	
12/24/94	8.46	8.04	0.00	0.42	0.62	50000	--	2500	9700	2400	17000	--	--	
03/25/95	8.46	7.72	0.37	1.02	0.60	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
06/21/95	8.46	9.30	0.20	-0.69	-1.71	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
09/19/95	8.46	9.29	0.40	-0.53	0.16	--	--	--	--	--	--	--	--	Not sampled due to LPH in well

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-1 continued</b>														
12/19/95	8.46	8.98	0.03	-0.50	0.03	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
03/18/96	8.46	8.25	0.00	0.21	0.71	27000	--	ND	2300	1400	11000	4900	--	
06/27/96	8.46	7.92	0.00	0.54	0.33	120000	--	540	4300	2600	26000	ND	--	
09/26/96	8.46	9.10	0.02	-0.63	-1.17	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
12/09/96	8.46	6.88	0.03	1.60	2.23	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
03/14/97	8.46	9.02	0.55	-0.15	-1.75	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
06/30/97	8.46	8.41	0.02	0.07	0.21	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
09/19/97	8.46	8.56	0.02	-0.09	-0.15	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
12/12/97	8.46	8.58	0.01	-0.11	-0.03	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
03/03/98	8.46	8.23	0.04	0.26	0.37	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
06/15/98	8.46	8.37	0.00	0.09	-0.17	52000	--	ND	900	1800	13000	ND	--	Sheen
09/30/98	8.46	8.94	0.00	-0.48	-0.57	1000000	--	ND	2600	13000	83000	4800	--	Sheen
12/28/98	8.46	8.57	0.00	-0.11	0.37	1100000	--	ND	1600	8600	71000	5700	--	
03/22/99	8.46	8.18	0.00	0.28	0.39	130000	--	470	1100	2000	28000	5700	--	Sheen
06/09/99	8.46	9.37	0.00	-0.91	-1.19	40000	--	230	640	590	13000	3500	2100	
09/08/99	8.46	9.53	0.00	-1.07	-0.16	55000	--	217	202	745	14300	6890	6690	
12/07/99	8.46	9.67	0.00	-1.21	-0.14	41200	--	89.3	ND	385	6930	15800	14700	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G					Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
							(GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)					
<b>U-1 continued</b>															
03/13/00	8.46	8.44	0.00	0.02	1.23	48000	--	490	610	2400	10000	22000	23000		
06/21/00	8.46	9.45	0.00	-0.99	-1.01	37000	--	200	ND	1200	7200	15000	20000		
09/27/00	8.46	9.29	0.00	-0.83	0.16	15000	--	92	ND	540	2800	74000	83000		
12/12/00	8.46	9.37	0.00	-0.91	-0.08	50000	--	ND	ND	250	1900	12000	15000		
03/07/01	8.46	8.45	0.00	0.01	0.92	6220	--	29.8	10.4	96.3	638	11200	11800		
06/06/01	8.46	9.29	0.00	-0.83	-0.84	5200	--	17	ND	69	420	6500	8700		
09/24/01	8.46	9.39	0.00	-0.93	-0.10	4300	--	36	ND<25	65	590	4400	4400		
12/10/01	8.46	9.17	0.00	-0.71	0.22	11000	--	220	ND<100	380	1500	5100	5100		
03/11/02	8.46	9.44	0.00	-0.98	-0.27	5500	--	28	ND<20	360	690	6400	6300		
06/04/02	8.46	8.32	0.00	0.14	1.12	4600	--	31	ND<10	240	180	6500	--		
09/03/02	8.46	9.36	0.00	-0.90	-1.04	2300	--	ND<12	ND<12	ND<12	68	3500	4700		
12/03/02	8.46	8.18	0.00	0.28	1.18	--	ND<5000	ND<50	ND<50	ND<50	<100	--	4700		
03/04/03	8.46	8.29	0.00	0.17	-0.11	--	8900	26	ND<25	400	130	--	5500		
06/18/03	8.46	7.58	0.00	0.88	0.71	--	8300	ND<25	ND<25	ND<25	ND<50	--	10000		
09/24/03	8.46	8.18	0.00	0.28	-0.60	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	11000		
12/02/03	8.46	8.90	0.00	-0.44	-0.72	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	11000		
03/30/04	8.46	8.38	0.00	0.08	0.52	--	12000	ND<100	ND<100	190	ND<200	--	13000		
06/07/04	8.46	10.35	0.00	-1.89	-1.97	--	13000	ND<100	ND<100	ND<100	ND<200	--	12000		
09/09/04	8.46	--	--	--	--	--	--	--	--	--	--	--	--		Dry well
12/20/04	8.46	9.00	0.00	-0.54	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.2		
03/28/05	8.46	8.10	0.00	0.36	0.90	--	37000	ND<10	ND<10	1500	5300	--	460		
06/14/05	8.46	8.91	0.00	-0.45	-0.81	--	3900	ND<0.50	ND<0.50	48	68	--	60		
09/28/05	8.46	11.35	0.00	-2.89	-2.44	--	560	ND<0.50	0.60	3.0	26	--	18		

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-1 continued</b>														
12/29/05	8.46	8.58	0.00	-0.12	2.77	--	510	0.77	ND<0.50	27	63	--	62	
03/27/06	8.46	7.20	0.00	1.26	1.38	--	29000	ND<25	ND<25	1500	4900	--	300	
06/12/06	8.46	7.81	0.00	0.65	-0.61	--	3200	ND<0.50	ND<0.50	42	15	--	56	
09/21/06	8.46	8.04	0.00	0.42	-0.23	--	2600	ND<12	ND<12	ND<12	ND<12	--	30	
12/21/06	8.46	8.32	0.00	0.14	-0.28	--	2000	ND<0.50	ND<0.50	13	2.2	--	53	
03/28/07	8.46	6.17	0.00	2.29	2.15	--	12000	ND<2.5	ND<2.5	690	1900	--	110	
06/27/07	8.46	5.39	0.00	3.07	0.78	--	13000	2.8	ND<2.5	960	1300	--	79	
09/26/07	8.46	5.32	0.00	3.14	0.07	--	6900	2.6	ND<2.5	310	680	--	44	
12/27/07	8.46	8.12	0.00	0.34	-2.80	--	5900	ND<2.5	ND<2.5	290	130	--	42	
03/26/08	8.46	7.84	0.00	0.62	0.28	--	3500	ND<2.5	ND<2.5	100	18	--	30	
06/18/08	8.46	7.04	0.00	1.42	0.80	--	8400	ND<5.0	ND<5.0	230	86	--	26	
09/24/08	8.46	6.90	0.00	1.56	0.14	--	6000	3.3	ND<2.5	170	86	--	78	
12/22/08	8.46	7.70	0.00	0.76	-0.80	--	6400	0.64	ND<0.50	95	7.0	--	12	
03/26/09	8.46	7.55	0.00	0.91	0.15	--	5700	ND<2.5	ND<2.5	72	6.5	--	10	
<b>U-2 (Screen Interval in feet: 5.0-20.0)</b>														
08/10/90	--	--	--	--	--	780	--	27	46	15	130	--	--	
01/07/91	--	--	--	--	--	1900	--	67	5.8	58	69	--	--	
04/01/91	--	--	--	--	--	1700	--	250	89	34	190	--	--	
07/03/91	--	--	--	--	--	2100	--	150	25	3.1	290	--	--	
10/09/91	--	--	--	--	--	230	--	7.1	ND	ND	11	--	--	
02/12/92	--	--	--	--	--	410	--	1.9	ND	0.36	0.4	--	--	
05/05/92	--	--	--	--	--	1600	--	120	52	6.2	290	--	--	
06/11/92	--	--	--	--	--	620	--	17	2.1	ND	37	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-2 continued</b>														
08/20/92	--	--	--	--	--	700	--	28	6.5	1.3	4.6	--	--	
02/22/93	--	--	--	--	--	3400	--	2400	2100	1200	5800	--	--	
05/07/93	--	--	--	--	--	17000	--	1800	660	1700	4000	--	--	
08/08/93	--	--	--	--	--	5600	--	420	ND	410	670	--	--	
11/16/93	4.53	8.17	0.00	-3.64	--	510	--	ND	ND	ND	ND	--	--	
02/16/94	4.53	7.73	0.00	-3.20	0.44	980	--	49	13	2.7	40	--	--	
06/22/94	7.62	7.60	0.00	0.02	3.22	31000	--	2200	62	1500	3500	--	--	
09/22/94	7.62	7.93	0.00	-0.31	-0.33	8500	--	29	ND	ND	ND	--	--	
12/24/94	7.62	7.27	0.00	0.35	0.66	32000	--	1500	890	1300	5000	--	--	
03/25/95	7.62	7.01	0.00	0.61	0.26	170000	--	1900	21000	4800	33000	--	--	
06/21/95	7.62	6.98	0.00	0.64	0.03	16000	--	2100	ND	1800	1700	--	--	
09/19/95	7.62	7.70	0.00	-0.08	-0.72	3000	--	610	ND	78	240	--	--	
12/19/95	7.62	7.30	0.00	0.32	0.40	1600	--	140	55	52	270	--	--	
03/18/96	7.62	6.45	0.00	1.17	0.85	12000	--	2200	ND	1200	2200	22000	--	
06/27/96	7.62	7.41	0.00	0.21	-0.96	28000	--	3400	ND	2800	3100	3000	--	
09/26/96	7.62	7.90	0.00	-0.28	-0.49	5900	--	750	ND	ND	ND	18000	--	
12/09/96	7.62	6.76	0.00	0.86	1.14	13000	--	5100	290	980	370	2700	--	
03/14/97	7.62	7.12	0.03	0.52	-0.34	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
06/30/97	7.62	6.19	0.00	1.43	0.91	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
09/19/97	7.62	7.31	0.00	0.31	-1.12	--	--	--	--	--	--	--	--	Not sampled due to LPH in well

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-2 continued</b>														
12/12/97	7.62	6.75	0.00	0.87	0.56	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
03/03/98	7.62	6.36	0.00	1.26	0.39	80000	--	3000	1100	820	16000	16000	--	Sheen
06/15/98	7.62	6.51	0.00	1.11	-0.15	48000	--	1800	330	470	7900	20000	--	Sheen
09/30/98	7.62	7.17	0.00	0.45	-0.66	60000	--	1300	ND	500	9700	19000	--	Sheen
12/28/98	7.62	7.06	0.00	0.56	0.11	63000	--	590	160	320	5600	16000	--	
03/22/99	7.62	6.82	0.00	0.80	0.24	28000	--	1100	ND	360	2900	25000	--	
06/09/99	7.62	7.51	0.00	0.11	-0.69	21000	--	110	190	310	2600	7900	7800	
09/08/99	7.62	8.16	0.00	-0.54	-0.65	23300	--	477	138	286	4110	16400	15300	
12/07/99	7.62	8.31	0.00	-0.69	-0.15	4840	--	17.2	ND	ND	157	14900	15600	
03/13/00	7.62	6.69	0.00	0.93	1.62	11000	--	380	160	ND	2100	22000	26000	
06/21/00	7.62	7.67	0.00	-0.05	-0.98	9100	--	22	ND	ND	800	16000	22000	
09/27/00	7.62	7.44	0.00	0.18	0.23	2900	--	43	ND	ND	39	20000	26000	
12/12/00	7.62	7.51	0.00	0.11	-0.07	3600	--	17	ND	ND	87	8000	7800	
03/07/01	7.62	7.15	0.00	0.47	0.36	1670	--	51.0	ND	7.20	19.5	5930	7900	
06/06/01	7.62	7.57	0.00	0.05	-0.42	1100	--	14	ND	9.3	35	9200	10000	
09/24/01	7.62	7.63	0.00	-0.01	-0.06	1000	--	25	ND<2.5	12	100	9800	11000	
12/10/01	7.62	6.78	0.00	0.84	0.85	83	--	14	0.55	3.4	6.8	2500	2500	
03/11/02	7.62	7.12	0.00	0.50	-0.34	ND<1000	--	28	ND<10	40	31	11000	11000	
06/04/02	7.62	7.18	0.00	0.44	-0.06	7700	--	32	ND<25	33	48	14000	--	
09/03/02	7.62	7.58	0.00	0.04	-0.40	5200	--	ND<25	ND<25	ND<25	ND<25	11000	15000	
12/03/02	7.62	7.68	0.00	-0.06	-0.10	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	3200	
03/04/03	7.62	7.77	0.00	-0.15	-0.09	--	8100	ND<50	ND<50	ND<50	ND<100	--	7800	



**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation  (feet)	Depth to Water  (feet)	LPH Thickness  (feet)	Ground- water Elevation  (feet)	Change in Elevation  (feet)	TPH-G 8015 (Luft)  (µg/l)	TPH-G				Ethyl- benzene  (µg/l)	Total Xylenes  (µg/l)	MTBE (8021B)  (µg/l)	MTBE (8260B)  (µg/l)	Comments
							(GC/MS)  (µg/l)	Benzene  (µg/l)	Toluene  (µg/l)						
<b>U-2 continued</b>															
06/18/03	7.62	6.87	0.00	0.75	0.90	--	11000	ND<50	ND<50	ND<50	ND<100	--	16000		
09/24/03	7.62	7.49	0.00	0.13	-0.62	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	10000		
12/02/03	7.62	7.95	0.00	-0.33	-0.46	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	10000		
03/30/04	7.62	7.07	0.00	0.55	0.88	--	12000	ND<100	ND<100	ND<100	ND<200	--	11000		
06/07/04	7.62	7.75	0.00	-0.13	-0.68	--	14000	ND<100	ND<100	ND<100	ND<200	--	13000		
09/09/04	7.62	8.65	0.00	-1.03	-0.90	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	9500		
12/20/04	7.62	7.73	0.00	-0.11	0.92	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	11000		
03/28/05	7.62	6.24	0.00	1.38	1.49	--	12000	ND<50	ND<50	160	120	--	7000		
06/14/05	7.62	7.05	0.00	0.57	-0.81	--	2000	0.75	ND<0.50	3.7	1.1	--	2400		
09/28/05	7.62	8.00	0.00	-0.38	-0.95	--	320	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	80		
12/29/05	7.62	7.23	0.00	0.39	0.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	35		
03/27/06	7.62	5.31	0.00	2.31	1.92	--	2400	31	0.73	120	15	--	1400		
06/12/06	7.62	6.25	0.00	1.37	-0.94	--	ND<1200	ND<12	ND<12	17	ND<25	--	490		
09/21/06	7.62	6.00	0.00	1.62	0.25	--	440	6.1	ND<0.50	1.7	ND<0.50	--	1100		
12/21/06	7.62	6.08	0.00	1.54	-0.08	--	670	10	ND<0.50	52	1.2	--	730		
03/28/07	7.62	5.05	0.00	2.57	1.03	--	3300	36	ND<5.0	200	6.8	--	1200		
06/27/07	7.62	4.80	0.00	2.82	0.25	--	5100	94	ND<5.0	640	7.1	--	1100		
09/26/07	7.62	4.73	0.00	2.89	0.07	--	3900	54	ND<5.0	240	240	--	670		
12/27/07	7.62	5.80	0.00	1.82	-1.07	--	2200	21	ND<5.0	77	16	--	470		
03/26/08	7.62	5.62	0.00	2.00	0.18	--	4300	45	ND<2.5	210	77	--	580		
06/18/08	7.62	5.30	0.00	2.32	0.32	--	5400	31	ND<5.0	270	38	--	250		
09/24/08	7.62	5.10	0.00	2.52	0.20	--	4400	24	ND<0.50	190	24	--	300		
12/22/08	7.62	4.98	0.00	2.64	0.12	--	6200	24	ND<0.50	160	31	--	160		

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-2 continued</b>														
03/26/09	7.62	5.17	0.00	2.45	-0.19	--	5200	8.9	ND<2.5	47	22	--	150	
<b>U-3 (Screen Interval in feet: 5.0-20.0)</b>														
08/10/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/07/91	--	--	--	--	--	ND	--	ND	ND	ND	1.8	--	--	
04/01/91	--	--	--	--	--	ND	--	1.0	2.9	0.53	5.4	--	--	
07/03/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/09/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/12/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
05/05/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
06/11/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
08/20/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/22/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
05/07/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
08/08/93	--	--	--	--	--	210	--	5.0	9.7	0.7	4.1	--	--	
11/16/93	7.86	11.82	0.00	-3.96	--	ND	--	ND	ND	ND	ND	--	--	
02/16/94	7.86	11.62	0.00	-3.76	0.20	ND	--	ND	ND	ND	ND	--	--	
06/22/94	10.98	11.64	0.00	-0.66	3.10	ND	--	ND	ND	ND	ND	--	--	
09/22/94	10.98	11.76	0.00	-0.78	-0.12	ND	--	ND	ND	ND	ND	--	--	
12/24/94	10.98	11.28	0.00	-0.30	0.48	ND	--	ND	ND	ND	ND	--	--	
03/25/95	10.98	10.96	0.00	0.02	0.32	ND	--	ND	ND	ND	ND	--	--	
06/21/95	10.98	11.37	0.00	-0.39	-0.41	ND	--	ND	ND	ND	ND	--	--	
09/19/95	10.98	11.55	0.00	-0.57	-0.18	ND	--	ND	ND	ND	ND	--	--	
12/19/95	10.98	11.45	0.00	-0.47	0.10	ND	--	ND	ND	ND	ND	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)					Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
							Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)						
<b>U-3 continued</b>															
03/18/96	10.98	11.10	0.00	-0.12	0.35	ND	--	ND	ND	ND	ND	ND	--	--	
06/27/96	10.98	11.16	0.00	-0.18	-0.06	440	--	49	50	51	140	50	--	--	
09/26/96	10.98	11.55	0.00	-0.57	-0.39	ND	--	ND	ND	ND	ND	ND	--	--	
12/09/96	10.98	10.12	0.00	0.86	1.43	ND	--	ND	ND	ND	ND	29	--	--	
03/14/97	10.98	10.87	0.00	0.11	-0.75	ND	--	ND	ND	ND	ND	ND	--	--	
06/30/97	10.98	11.08	0.00	-0.10	-0.21	ND	--	ND	ND	ND	ND	ND	--	--	
09/19/97	10.98	11.05	0.00	-0.07	0.03	ND	--	ND	ND	ND	ND	ND	--	--	
12/12/97	10.98	10.58	0.00	0.40	0.47	ND	--	ND	ND	ND	ND	ND	--	--	
03/03/98	10.98	9.84	0.00	1.14	0.74	ND	--	ND	ND	ND	ND	ND	--	--	
06/15/98	10.98	10.56	0.00	0.42	-0.72	ND	--	ND	ND	ND	ND	ND	--	--	
09/30/98	10.98	11.12	0.00	-0.14	-0.56	ND	--	ND	ND	ND	ND	ND	--	--	
12/28/98	10.98	10.96	0.00	0.02	0.16	ND	--	ND	ND	ND	ND	ND	--	--	
03/22/99	10.98	9.46	0.00	1.52	1.50	ND	--	ND	ND	ND	ND	ND	--	--	
06/09/99	10.98	11.01	0.00	-0.03	-1.55	ND	--	ND	ND	ND	ND	ND	--	--	
09/08/99	10.98	11.31	0.00	-0.33	-0.30	ND	--	ND	ND	ND	ND	ND	--	--	
12/07/99	10.98	11.26	0.00	-0.28	0.05	ND	--	ND	ND	ND	ND	ND	--	--	
03/13/00	10.98	8.28	0.00	2.70	2.98	ND	--	ND	ND	ND	ND	ND	--	--	
06/21/00	10.98	11.12	0.00	-0.14	-2.84	ND	--	ND	ND	ND	ND	ND	--	--	
09/27/00	10.98	11.07	0.00	-0.09	0.05	ND	--	ND	ND	ND	ND	ND	--	--	
12/12/00	10.98	10.94	0.00	0.04	0.13	ND	--	ND	ND	ND	ND	ND	--	--	
03/07/01	10.98	8.32	0.00	2.66	2.62	ND	--	ND	ND	ND	ND	ND	--	--	
06/06/01	10.98	10.94	0.00	0.04	-2.62	ND	--	ND	ND	ND	ND	ND	--	--	
09/24/01	10.98	11.03	0.00	-0.05	-0.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-3 continued</b>														
12/10/01	10.98	8.16	0.00	2.82	2.87	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
03/11/02	10.98	7.82	0.00	3.16	0.34	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
06/04/02	10.98	10.58	0.00	0.40	-2.76	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
09/03/02	10.98	10.94	0.00	0.04	-0.36	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/03/02	10.98	10.66	0.00	0.32	0.28	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/04/03	10.98	10.76	0.00	0.22	-0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
06/18/03	10.98	10.26	0.00	0.72	0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/24/03	10.98	10.88	0.00	0.10	-0.62	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/02/03	10.98	11.00	0.00	-0.02	-0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/30/04	10.98	10.64	0.00	0.34	0.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/07/04	10.98	11.00	0.00	-0.02	-0.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/09/04	10.98	11.31	0.00	-0.33	-0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/20/04	10.98	10.79	0.00	0.19	0.52	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/28/05	10.98	9.80	0.00	1.18	0.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/14/05	10.98	10.75	0.00	0.23	-0.95	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.2	--	ND<0.50	
09/28/05	10.98	11.16	0.00	-0.18	-0.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/29/05	10.98	10.41	0.00	0.57	0.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/27/06	10.98	10.16	0.00	0.82	0.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/12/06	10.98	9.94	0.00	1.04	0.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/21/06	10.98	11.01	0.00	-0.03	-1.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/21/06	10.98	10.92	0.00	0.06	0.09	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
03/28/07	10.98	10.84	0.00	0.14	0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
06/27/07	10.98	10.93	0.00	0.05	-0.09	--	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**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-3 continued</b>														
09/26/07	10.98	11.01	0.00	-0.03	-0.08	--	770	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	18	
12/27/07	10.98	10.93	0.00	0.05	0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.63	
03/26/08	10.98	10.84	0.00	0.14	0.09	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/18/08	10.98	10.89	0.00	0.09	-0.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/24/08	10.98	10.90	0.00	0.08	-0.01	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.87	
12/22/08	10.98	10.93	0.00	0.05	-0.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/26/09	10.98	10.70	0.00	0.28	0.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>U-4 (Screen Interval in feet: 5.0-20.0)</b>														
06/22/94	11.15	10.16	0.00	0.99	--	ND	--	ND	ND	ND	ND	--	--	
09/22/94	11.15	10.79	0.00	0.36	-0.63	ND	--	0.78	1.3	ND	1.4	--	--	
12/24/94	11.15	9.81	0.00	1.34	0.98	ND	--	ND	ND	ND	ND	--	--	
03/25/95	11.15	9.51	0.00	1.64	0.30	ND	--	ND	ND	ND	ND	--	--	
06/21/95	11.15	9.54	0.00	1.61	-0.03	ND	--	ND	ND	ND	ND	--	--	
09/19/95	11.15	10.17	0.00	0.98	-0.63	ND	--	ND	ND	ND	ND	--	--	
12/19/95	11.15	9.98	0.00	1.17	0.19	ND	--	ND	ND	ND	ND	--	--	
03/18/96	11.15	9.66	0.00	1.49	0.32	ND	--	ND	ND	ND	ND	--	--	
06/27/96	11.15	9.74	0.00	1.41	-0.08	ND	--	ND	ND	ND	ND	ND	--	
09/26/96	11.15	10.14	0.00	1.01	-0.40	ND	--	ND	ND	ND	ND	ND	--	
12/09/96	11.15	8.67	0.00	2.48	1.47	ND	--	ND	ND	ND	ND	33	--	
03/14/97	11.15	9.35	0.00	1.80	-0.68	ND	--	ND	ND	ND	ND	ND	--	
06/30/97	11.15	9.89	0.00	1.26	-0.54	ND	--	ND	ND	ND	ND	ND	--	
09/19/97	11.15	9.96	0.00	1.19	-0.07	ND	--	ND	ND	ND	ND	ND	--	
12/12/97	11.15	8.56	0.00	2.59	1.40	ND	--	ND	ND	ND	ND	ND	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-4 continued</b>														
03/03/98	11.15	7.85	0.00	3.30	0.71	ND	--	ND	ND	ND	ND	ND	--	
06/15/98	11.15	9.08	0.00	2.07	-1.23	ND	--	ND	ND	ND	ND	ND	--	
09/30/98	11.15	9.75	0.00	1.40	-0.67	ND	--	ND	ND	ND	ND	ND	--	
12/28/98	11.15	9.59	0.00	1.56	0.16	ND	--	ND	ND	ND	ND	ND	--	
03/22/99	11.15	8.34	0.00	2.81	1.25	ND	--	ND	ND	ND	ND	ND	--	
06/09/99	11.15	9.39	0.00	1.76	-1.05	ND	--	ND	ND	ND	ND	ND	--	
09/08/99	11.15	9.90	0.00	1.25	-0.51	ND	--	ND	ND	ND	ND	ND	--	
12/07/99	11.15	10.05	0.00	1.10	-0.15	ND	--	ND	ND	ND	ND	ND	--	
03/13/00	11.15	7.24	0.00	3.91	2.81	ND	--	ND	ND	ND	ND	ND	--	
06/21/00	11.15	9.48	0.00	1.67	-2.24	ND	--	ND	ND	ND	ND	ND	--	
09/27/00	11.15	9.42	0.00	1.73	0.06	ND	--	ND	ND	ND	ND	ND	--	
12/12/00	11.15	9.50	0.00	1.65	-0.08	ND	--	ND	ND	ND	ND	ND	--	
03/07/01	11.15	6.88	0.00	4.27	2.62	ND	--	ND	ND	ND	ND	ND	--	
06/06/01	11.15	9.18	0.00	1.97	-2.30	ND	--	ND	ND	ND	ND	ND	--	
09/24/01	11.15	9.21	0.00	1.94	-0.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/10/01	11.15	7.32	0.00	3.83	1.89	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
03/11/02	11.15	6.92	0.00	4.23	0.40	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
06/04/02	11.15	7.58	0.00	3.57	-0.66	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
09/03/02	11.15	9.17	0.00	1.98	-1.59	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/03/02	11.15	9.20	0.00	1.95	-0.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/04/03	11.15	9.32	0.00	1.83	-0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
06/18/03	11.15	7.65	0.00	3.50	1.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/24/03	11.15	8.26	0.00	2.89	-0.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G					Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
							(GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)					
<b>U-4 continued</b>															
12/02/03	11.15	9.16	0.00	1.99	-0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0		
03/30/04	11.15	7.47	0.00	3.68	1.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
06/07/04	11.15	8.93	0.00	2.22	-1.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
09/09/04	11.15	9.83	0.00	1.32	-0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
12/20/04	11.15	8.28	0.00	2.87	1.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
03/28/05	11.15	6.35	0.00	4.80	1.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
06/14/05	11.15	8.10	0.00	3.05	-1.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
09/28/05	11.15	9.59	0.00	1.56	-1.49	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
12/29/05	11.15	7.13	0.00	4.02	2.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
03/27/06	11.15	6.27	0.00	4.88	0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
06/12/06	11.15	8.45	0.00	2.70	-2.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
09/21/06	11.15	9.63	0.00	1.52	-1.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50		
12/21/06	11.15	8.50	0.00	2.65	1.13	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50		
03/28/07	11.15	8.00	0.00	3.15	0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50		
06/27/07	11.15	8.78	0.00	2.37	-0.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50		
09/26/07	11.15	9.08	0.00	2.07	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50		
12/27/07	11.15	8.63	0.00	2.52	0.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
03/26/08	11.15	7.86	0.00	3.29	0.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
06/18/08	11.15	8.83	0.00	2.32	-0.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
09/24/08	11.15	9.50	0.00	1.65	-0.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
12/22/08	11.15	8.55	0.00	2.60	0.95	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
03/26/09	11.15	7.21	0.00	3.94	1.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		

U-5  
5325

(Screen Interval in feet: 5.0-20.0)



**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-5 continued</b>														
06/22/94	6.98	6.83	0.00	0.15	--	210	--	7.1	13	4.5	26	--	--	
09/22/94	6.98	6.90	0.00	0.08	-0.07	170	--	8.4	10	8.5	18	--	--	
12/24/94	6.98	6.43	0.00	0.55	0.47	8700	--	560	70	670	430	--	--	
03/25/95	6.98	6.35	0.00	0.63	0.08	44000	--	390	960	1500	7600	--	--	
06/21/95	6.98	7.11	0.00	-0.13	-0.76	400	--	2.3	ND	9.1	3.5	--	--	
09/19/95	6.98	6.99	0.00	-0.01	0.12	850	--	14	7.1	13	66	--	--	
12/19/95	6.98	7.17	0.00	-0.19	-0.18	ND	--	ND	ND	ND	ND	--	--	
03/18/96	6.98	6.65	0.00	0.33	0.52	100	--	0.67	0.5	0.51	5.4	--	--	
06/27/96	6.98	6.49	0.00	0.49	0.16	16000	--	280	150	1400	4600	530	--	
09/26/96	6.98	7.13	0.00	-0.15	-0.64	ND	--	ND	0.57	ND	0.96	ND	--	
12/09/96	6.98	5.90	0.00	1.08	1.23	1300	--	29	46	ND	140	97	--	
03/14/97	6.98	6.99	0.00	-0.01	-1.09	ND	--	ND	ND	ND	ND	14	--	
06/30/97	6.98	7.08	0.00	-0.10	-0.09	4200	--	74	51	180	980	270	--	
09/19/97	6.98	6.78	0.00	0.20	0.30	6300	--	160	13	370	1000	480	--	
12/12/97	6.98	6.94	0.00	0.04	-0.16	60	--	1.3	ND	1.6	2.1	47	--	
03/03/98	6.98	6.50	0.00	0.48	0.44	1700	--	29	ND	150	190	330	--	
06/15/98	6.98	6.85	0.00	0.13	-0.35	1500	--	32	ND	91	83	330	--	
09/30/98	6.98	7.31	0.00	-0.33	-0.46	1700	--	44	ND	39	150	60	--	
12/28/98	6.98	7.25	0.00	-0.27	0.06	1400	--	59	ND	13	27	150	--	
03/22/99	6.98	6.86	0.00	0.12	0.39	780	--	8.9	ND	0.76	4.5	350	--	
06/09/99	6.98	7.28	0.00	-0.30	-0.42	1000	--	ND	ND	10	35	280	350	
09/08/99	6.98	7.52	0.00	-0.54	-0.24	2620	--	26.2	ND	32.2	157	280	239	
12/07/99	6.98	7.67	0.00	-0.69	-0.15	949	--	9.26	ND	11.2	22.7	235	301	



**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS)					Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
							Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)						
<b>U-5 continued</b>															
03/13/00	6.98	6.73	0.00	0.25	0.94	880	--	12	1.0	5.6	8.7	46	37		
06/21/00	6.98	7.39	0.00	-0.41	-0.66	700	--	4.0	ND	0.99	4.0	120	140		
09/27/00	6.98	7.45	0.00	-0.47	-0.06	400	--	1.9	ND	ND	1.5	160	250		
12/12/00	6.98	7.68	0.00	-0.70	-0.23	770	--	3.2	ND	ND	ND	27	13		
03/07/01	6.98	6.83	0.00	0.15	0.85	623	--	5.15	ND	ND	0.669	35.7	43.4		
06/06/01	6.98	7.42	0.00	-0.44	-0.59	110	--	ND	ND	ND	ND	ND	--		
09/24/01	6.98	7.50	0.00	-0.52	-0.08	270	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	40	42		
12/10/01	6.98	6.65	0.00	0.33	0.85	420	--	13	0.60	0.66	ND<0.50	ND<2.5	--		
03/11/02	6.98	7.00	0.00	-0.02	-0.35	260	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	42	47		
06/04/02	6.98	6.71	0.00	0.27	0.29	170	--	ND<0.50	0.77	0.87	0.69	29	--		
09/03/02	6.98	7.47	0.00	-0.49	-0.76	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	37	53		
12/03/02	6.98	6.64	0.00	0.34	0.83	--	320	ND<0.50	ND<0.50	5.7	ND<1.0	--	11		
03/04/03	6.98	6.75	0.00	0.23	-0.11	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44		
06/18/03	6.98	6.25	0.00	0.73	0.50	--	51	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	36		
09/24/03	6.98	6.86	0.00	0.12	-0.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0		
12/02/03	6.98	7.12	0.00	-0.14	-0.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	24		
03/30/04	6.98	6.88	0.00	0.10	0.24	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	130		
06/07/04	6.98	8.53	0.00	-1.55	-1.65	--	250	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	160		
09/09/04	6.98	12.28	0.00	-5.30	-3.75	--	340	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	260		
12/20/04	6.98	7.51	0.00	-0.53	4.77	--	130	ND<0.50	ND<0.50	1.9	2.0	--	120		
03/28/05	6.98	7.22	0.00	-0.24	0.29	--	670	ND<2.0	ND<2.0	ND<2.0	ND<4.0	--	230		
06/14/05	6.98	7.46	0.00	-0.48	-0.24	--	160	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	400		
09/28/05	6.98	9.59	0.00	-2.61	-2.13	--	460	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	370		

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-5 continued</b>														
12/29/05	6.98	7.53	0.00	-0.55	2.06	--	150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	190	
03/27/06	6.98	6.29	0.00	0.69	1.24	--	450	ND<0.50	ND<0.50	8.3	ND<1.0	--	70	
06/12/06	6.98	6.45	0.00	0.53	-0.16	--	370	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	61	
09/21/06	6.98	6.60	0.00	0.38	-0.15	--	130	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	35	
12/21/06	6.98	6.92	0.00	0.06	-0.32	--	230	ND<0.50	ND<0.50	0.58	ND<0.50	--	11	
03/28/07	6.98	5.12	0.00	1.86	1.80	--	400	ND<0.50	ND<0.50	5.4	ND<0.50	--	13	
06/27/07	6.98	4.41	0.00	2.57	0.71	--	210	ND<0.50	ND<0.50	2.4	ND<0.50	--	18	
09/26/07	6.98	4.71	0.00	2.27	-0.30	--	740	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	18	
12/27/07	6.98	6.77	0.00	0.21	-2.06	--	180	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	18	
03/26/08	6.98	6.41	0.00	0.57	0.36	--	310	ND<0.50	0.64	1.3	1.0	--	27	
06/18/08	6.98	5.71	0.00	1.27	0.70	--	790	ND<0.50	ND<0.50	2.4	ND<1.0	--	22	
09/24/08	6.98	5.45	0.00	1.53	0.26	--	860	1.2	ND<0.50	3.2	3.7	--	16	
12/22/08	6.98	6.83	0.00	0.15	-1.38	--	620	ND<0.50	ND<0.50	0.54	1.3	--	13	
03/26/09	6.98	6.20	0.00	0.78	0.63	--	310	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.4	
<b>U-6 (Screen Interval in feet: 5.0-24.0)</b>														
06/22/94	7.14	7.14	0.00	0.00	--	ND	--	ND	ND	ND	ND	--	--	
09/22/94	7.14	7.34	0.00	-0.20	-0.20	130	--	1.3	0.8	ND	0.73	--	--	
12/24/94	7.14	6.67	0.00	0.47	0.67	6900	--	500	59	600	380	--	--	
03/25/95	7.14	6.29	0.00	0.85	0.38	47000	--	450	1300	1700	8200	--	--	
06/21/95	7.14	7.60	0.00	-0.46	-1.31	ND	--	ND	ND	ND	ND	--	--	
09/19/95	7.14	7.70	0.00	-0.56	-0.10	ND	--	ND	ND	ND	ND	--	--	
12/19/95	7.14	7.75	0.00	-0.61	-0.05	210	--	2.5	1.0	2.9	17	--	--	
03/18/96	7.14	6.86	0.00	0.28	0.89	ND	--	ND	ND	ND	ND	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)						MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
							TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylenes (µg/l)			
<b>U-6 continued</b>														
06/27/96	7.14	6.52	0.00	0.62	0.34	ND	--	ND	ND	ND	ND	510	--	
09/26/96	7.14	7.62	0.00	-0.48	-1.10	ND	--	ND	ND	ND	ND	1400	--	
12/09/96	7.14	5.88	0.00	1.26	1.74	1200	--	29	48	6.4	140	58	--	
03/14/97	7.14	7.30	0.00	-0.16	-1.42	ND	--	ND	ND	ND	ND	1500	--	
06/30/97	7.14	7.35	0.00	-0.21	-0.05	ND	--	ND	ND	ND	ND	990	--	
09/19/97	7.14	7.25	0.00	-0.11	0.10	ND	--	ND	ND	ND	ND	1400	--	
12/12/97	7.14	7.29	0.00	-0.15	-0.04	ND	--	ND	ND	ND	ND	680	--	
03/03/98	7.14	7.00	0.00	0.14	0.29	ND	--	ND	ND	ND	ND	1600	--	
06/15/98	7.14	7.18	0.00	-0.04	-0.18	ND	--	ND	ND	ND	ND	1000	--	
09/30/98	7.14	7.90	0.00	-0.76	-0.72	ND	--	ND	ND	ND	ND	1200	--	
12/28/98	7.14	7.79	0.00	-0.65	0.11	ND	--	ND	ND	ND	ND	730	--	
03/22/99	7.14	7.47	0.00	-0.33	0.32	ND	--	ND	ND	ND	ND	1800	--	
06/09/99	7.14	7.73	0.00	-0.59	-0.26	ND	--	ND	ND	ND	ND	1000	850	
09/08/99	7.14	7.95	0.00	-0.81	-0.22	ND	--	ND	ND	ND	ND	851	1040	
12/07/99	7.14	8.10	0.00	-0.96	-0.15	ND	--	ND	ND	ND	ND	1140	1150	
03/13/00	7.14	6.95	0.00	0.19	1.15	ND	--	ND	ND	ND	ND	560	670	
06/21/00	7.14	7.84	0.00	-0.70	-0.89	ND	--	ND	ND	ND	ND	400	590	
09/27/00	7.14	7.68	0.00	-0.54	0.16	ND	--	ND	ND	ND	ND	2500	2800	
12/12/00	7.14	7.74	0.00	-0.60	-0.06	ND	--	ND	ND	ND	ND	590	580	
03/07/01	7.14	7.27	0.00	-0.13	0.47	ND	--	ND	ND	ND	ND	310	321	
06/06/01	7.14	7.80	0.00	-0.66	-0.53	ND	--	ND	ND	ND	ND	250	330	
09/24/01	7.14	7.82	0.00	-0.68	-0.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	530	660	
12/10/01	7.14	7.15	0.00	-0.01	0.67	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	220	220	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (Luft) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-6 continued</b>														
03/11/02	7.14	7.32	0.00	-0.18	-0.17	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	720	760	
06/04/02	7.14	7.18	0.00	-0.04	0.14	250	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	470	--	
09/03/02	7.14	7.72	0.00	-0.58	-0.54	420	--	ND<2.5	ND<2.5	ND<2.5	4.7	860	1200	
12/03/02	7.14	6.92	0.00	0.22	0.80	--	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<10	--	870	
03/04/03	7.14	7.01	0.00	0.13	-0.09	--	2300	ND<10	ND<10	ND<10	ND<20	--	2700	
06/18/03	7.14	6.60	0.00	0.54	0.41	--	1300	ND<10	ND<10	ND<10	ND<20	--	1700	
09/24/03	7.14	7.24	0.00	-0.10	-0.64	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	1500	
12/02/03	7.14	7.80	0.00	-0.66	-0.56	--	1300	ND<10	ND<10	ND<10	ND<20	--	1800	
03/30/04	7.14	7.32	0.00	-0.18	0.48	--	1200	ND<10	ND<10	ND<10	ND<20	--	1700	
06/07/04	7.14	9.35	0.00	-2.21	-2.03	--	1700	ND<10	ND<10	ND<10	ND<20	--	1800	
09/09/04	7.14	12.81	0.00	-5.67	-3.46	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	1400	
12/20/04	7.14	7.96	0.00	-0.82	4.85	--	320	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	65	
03/28/05	7.14	7.07	0.00	0.07	0.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	150	
06/14/05	7.14	7.88	0.00	-0.74	-0.81	--	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	20	
09/28/05	7.14	10.44	0.00	-3.30	-2.56	--	150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.6	
12/29/05	7.14	7.63	0.00	-0.49	2.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	13	
03/27/06	7.14	6.16	0.00	0.98	1.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.1	
06/12/06	7.14	6.59	0.00	0.55	-0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	6.9	
09/21/06	7.14	6.90	0.00	0.24	-0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.1	
12/21/06	7.14	7.36	0.00	-0.22	-0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.2	
03/28/07	7.14	3.48	0.00	3.66	3.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
06/27/07	7.14	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - dumpster over well

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**August 1990 Through March 2009**  
**76 Station 5325**

Date Sampled	TOC Elevation  (feet)	Depth to Water  (feet)	LPH Thickness  (feet)	Ground- water Elevation  (feet)	Change in Elevation  (feet)	TPH-G 8015 (Luft)  (µg/l)	TPH-G					Total Xylenes  (µg/l)	MTBE (8021B)  (µg/l)	MTBE (8260B)  (µg/l)	Comments
							(GC/MS)  (µg/l)	Benzene  (µg/l)	Toluene  (µg/l)	Ethyl- benzene  (µg/l)					
<b>U-6 continued</b>															
09/26/07	7.14	2.71	0.00	4.43	--	--	54	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50		
12/27/07	7.14	6.96	0.00	0.18	-4.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.4		
03/26/08	7.14	6.56	0.00	0.58	0.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.3		
06/18/08	7.14	6.71	0.00	0.43	-0.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.59		
09/24/08	7.14	5.50	0.00	1.64	1.21	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
12/22/08	7.14	6.48	0.00	0.66	-0.98	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50		
03/26/09	7.14	6.10	0.00	1.04	0.38	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	ND<2.5		

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Ethylene-							Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
	TBA (µg/l)	Ethanol (8260B) (µg/l)	dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)					
U-1												
06/15/98	--	--	--	--	--	--	--	--	39000	ND	--	ND
09/30/98	--	--	--	--	--	--	--	--	17000	ND	--	ND
12/28/98	--	--	--	--	--	--	--	--	4300	6.30	--	28
03/22/99	--	--	--	--	--	--	--	--	4900	ND	--	3.5
06/09/99	--	--	--	--	--	--	--	--	1200	ND	--	ND
09/08/99	--	--	--	--	--	--	--	--	1800	ND	--	ND
12/07/99	--	--	--	--	--	--	--	--	5700	ND	--	17.0
03/13/00	--	--	--	--	--	--	--	--	8000	0.18	--	ND
06/21/00	--	--	--	--	--	--	--	--	9300	ND	--	ND
09/27/00	ND	--	ND	--	ND	ND	ND	--	2800	ND	--	18.4
12/12/00	--	--	--	--	--	--	--	--	490	ND	--	16.0
03/07/01	ND	--	ND	--	ND	ND	ND	--	483	2.64	--	6.89
06/06/01	ND	--	ND	--	ND	ND	ND	--	1000	ND	--	2.7
09/24/01	ND<20000	ND<400000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	--	ND<100	0.45	--	--
12/10/01	ND<4000	ND<8000	ND<100	ND<100	ND<100	ND<100	ND<100	--	14000	ND<0.50	--	2.2
03/11/02	ND<5000	ND<25000	ND<100	ND<100	ND<100	ND<100	ND<100	--	15000	ND<0.50	--	0.11
06/04/02	--	--	--	--	--	--	--	--	ND<500	ND<0.50	--	ND<0.10
09/03/02	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	ND<500	ND<0.50	--	ND<0.10
12/03/02	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	9600	ND<1.0	--	ND<1.0
03/04/03	ND<5000	ND<25000	ND<100	ND<100	ND<100	ND<100	ND<100	--	36000	ND<1.0	--	ND<1.0
06/18/03	ND<5000	ND<25000	ND<100	ND<100	ND<100	ND<100	ND<100	--	16000	ND<1.0	--	ND<1.0
09/24/03	ND<20000	ND<100000	ND<400	ND<400	ND<400	ND<400	ND<400	--	15	ND<1.0	--	ND<1.0
12/02/03	--	ND<100000	--	--	--	--	--	--	4000	--	--	--
03/30/04	3100	ND<10000	ND<100	ND<100	ND<200	ND<100	ND<100	--	12000	ND<1.0	ND<1.0	--
06/07/04	3300	ND<10000	ND<100	ND<100	ND<200	ND<100	ND<100	--	660	ND<0.50	6.8	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-1 continued</b>												
12/20/04	11	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	0.015	ND<1.0	ND<1.0	--
03/28/05	--	ND<1000	--	--	--	--	--	--	16	ND<1.0	ND<1.0	--
06/14/05	4400	ND<1000	ND<10	ND<10	ND<10	ND<10	ND<10	--	7100	ND<1.0	12	--
09/28/05	5500	ND<250	ND<10	ND<10	ND<10	ND<10	ND<10	--	7300	ND<0.10	39	--
12/29/05	3900	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	9500	ND<0.10	21	--
03/27/06	--	ND<12000	--	--	--	--	--	--	8500	ND<0.10	ND<0.050	--
06/12/06	--	ND<250	--	--	--	--	--	--	25000	ND<0.10	0.64	--
09/21/06	--	ND<6200	--	--	--	--	--	--	16000	ND<0.10	1.5	--
12/21/06	--	ND<250	--	--	--	--	--	--	22000	ND<0.10	1.0	--
03/28/07	1600	ND<1200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	20000	ND<0.10	ND<0.050	--
06/27/07	1500	ND<1200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	35000	ND<0.10	0.065	--
09/26/07	--	ND<1200	--	--	--	--	--	--	27000	ND<0.10	0.11	--
12/27/07	--	ND<1200	--	--	--	--	--	--	25000	ND<0.10	ND<0.050	--
03/26/08	--	ND<1200	--	--	--	--	--	--	23000	ND<0.10	0.12	--
06/18/08	--	ND<2500	--	--	--	--	--	--	30000	ND<0.10	0.059	--
09/24/08	--	ND<1200	--	--	--	--	--	--	5000	ND<0.10	0.061	--
12/22/08	--	ND<250	--	--	--	--	--	--	23000	ND<0.10	ND<0.050	--
03/26/09	--	ND<1200	--	--	--	--	--	--	2400	ND<0.10	0.11	--
<b>U-2</b>												
03/03/98	--	--	--	--	--	--	--	--	25000	ND	--	ND
06/15/98	--	--	--	--	--	--	--	--	42000	ND	--	ND
09/30/98	--	--	--	--	--	--	--	--	25000	ND	--	ND
12/28/98	--	--	--	--	--	--	--	--	28000	ND	--	ND
03/22/99	--	--	--	--	--	--	--	--	680	ND	--	2.3
06/09/99	--	--	--	--	--	--	--	--	500	ND	--	ND

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-2 continued</b>												
09/08/99	--	--	--	--	--	--	--	--	1900	ND	--	ND
12/07/99	--	--	--	--	--	--	--	--	250	ND	--	ND
03/13/00	--	--	--	--	--	--	--	--	4300	0.31	--	ND
06/21/00	--	--	--	--	--	--	--	--	260	ND	--	ND
09/27/00	--	--	--	--	--	--	--	--	640	ND	--	10.5
12/12/00	--	--	--	--	--	--	--	--	2700	ND	--	ND
03/07/01	ND	ND	ND	ND	ND	ND	ND	--	677	2.24	--	3.02
06/06/01	ND	ND	ND	ND	ND	ND	ND	--	800	ND	--	2.8
09/24/01	ND<20000	ND<400000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	--	ND<100	0.49	--	--
12/10/01	ND<2000	ND<4000	ND<50	ND<50	ND<50	ND<50	ND<50	--	ND<100	ND<0.50	--	0.20
03/11/02	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	ND<100	ND<0.50	--	0.65
06/04/02	--	--	--	--	--	--	--	--	ND<100	ND<0.50	--	ND<0.10
09/03/02	ND<50000	ND<250000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	--	ND<250	ND<0.50	--	0.26
12/03/02	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	9900	ND<1.0	--	ND<1.0
03/04/03	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	8600	ND<1.0	--	ND<1.0
06/18/03	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	5500	ND<1.0	--	3.1
09/24/03	ND<20000	ND<100000	ND<400	ND<400	ND<400	ND<400	ND<400	--	14	ND<1.0	--	ND<1.0
12/02/03	--	ND<100000	--	--	--	--	--	--	2700	--	--	--
03/30/04	2400	ND<10000	ND<100	ND<100	ND<200	ND<100	ND<100	--	ND<200	ND<1.0	2.9	--
06/07/04	2600	ND<10000	ND<100	ND<100	ND<200	ND<100	ND<100	--	210	ND<0.50	2.4	--
09/09/04	2700	ND<10000	ND<100	ND<100	ND<200	ND<100	ND<100	--	930	ND<1.0	5.9	--
12/20/04	3500	ND<5000	ND<50	ND<50	ND<100	ND<50	ND<50	--	0.87	ND<1.0	ND<1.0	--
03/28/05	830	ND<5000	ND<50	ND<50	ND<50	ND<50	ND<0.50	--	4.0	ND<1.0	ND<1.0	--
06/14/05	10000	ND<2000	ND<20	ND<20	ND<20	ND<20	ND<20	--	3400	ND<1.0	ND<1.0	--
09/28/05	13000	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	4000	ND<0.20	7.5	--



**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-2 continued</b>												
12/29/05	1000000000	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	2200	ND<0.20	4.6	--
03/27/06	--	ND<250	--	--	--	--	--	--	1100	ND<0.10	ND<0.050	--
06/12/06	--	ND<6200	--	--	--	--	--	--	1500	ND<0.10	ND<0.050	--
09/21/06	--	ND<250	--	--	--	--	--	--	100	33	0.36	--
12/21/06	--	ND<250	--	--	--	--	--	--	770	ND<0.20	0.21	--
03/28/07	4000	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	8600	ND<0.10	ND<0.050	--
06/27/07	3000	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	9000	ND<0.10	ND<0.050	--
09/26/07	--	ND<2500	--	--	--	--	--	--	22000	ND<0.10	0.10	--
12/27/07	--	ND<2500	--	--	--	--	--	--	7600	ND<0.10	ND<0.050	--
03/26/08	--	ND<1200	--	--	--	--	--	--	11000	ND<0.10	ND<0.050	--
06/18/08	--	ND<2500	--	--	--	--	--	--	16000	ND<0.10	ND<0.050	--
09/24/08	--	ND<250	--	--	--	--	--	--	4600	ND<0.20	ND<0.050	--
12/22/08	--	ND<250	--	--	--	--	--	--	13000	ND<0.10	ND<0.050	--
03/26/09	--	ND<1200	--	--	--	--	--	--	2600	ND<0.10	ND<0.050	--
<b>U-3</b>												
06/30/97	--	--	--	--	--	--	--	--	1400	21	--	0.86
09/19/97	--	--	--	--	--	--	--	--	570	19	--	ND
12/12/97	--	--	--	--	--	--	--	--	1900	23	--	0.85
03/03/98	--	--	--	--	--	--	--	--	13	36	--	ND
06/15/98	--	--	--	--	--	--	--	--	160	33	--	ND
09/30/98	--	--	--	--	--	--	--	--	40	31	--	ND
12/28/98	--	--	--	--	--	--	--	--	ND	29	--	ND
03/22/99	--	--	--	--	--	--	--	--	15	30	--	0.14
06/09/99	--	--	--	--	--	--	--	--	ND	26	--	1.2
09/08/99	--	--	--	--	--	--	--	--	ND	32.90	--	ND

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-3 continued</b>												
12/07/99	--	--	--	--	--	--	--	--	52	27.90	--	ND
03/13/00	--	--	--	--	--	--	--	--	150	33	--	ND
06/21/00	--	--	--	--	--	--	--	--	200	32	--	ND
09/27/00	--	--	--	--	--	--	--	307	ND	34	--	15.7
12/12/00	--	--	--	--	--	--	--	--	ND	31	--	ND
03/07/01	--	--	--	--	--	--	--	--	ND	36.5	--	0.443
06/06/01	--	--	--	--	--	--	--	--	ND	8.0	--	0.18
09/24/01	--	--	--	--	--	--	--	--	ND<100	23.0	--	ND
12/10/01	--	--	--	--	--	--	--	--	ND<100	21	--	0.11
03/11/02	--	--	--	--	--	--	--	--	ND<100	30	--	0.14
06/04/02	--	--	--	--	--	--	--	--	ND<100	18	--	ND<0.10
09/03/02	--	--	--	--	--	--	--	--	ND<100	28	--	ND<0.10
12/03/02	--	--	--	--	--	--	--	--	ND<200	20	--	ND<1.0
03/04/03	--	--	--	--	--	--	--	--	ND<200	18	--	ND<1.0
06/18/03	--	--	--	--	--	--	--	--	ND<200	17	--	ND<1.0
09/24/03	--	ND<500	--	--	--	--	--	--	ND<0.20	18	--	1.4
12/02/03	--	ND<500	--	--	--	--	--	--	ND<200	--	--	--
03/30/04	--	ND<50	--	--	--	--	--	--	ND<200	16	ND<1.0	--
06/07/04	--	ND<50	--	--	--	--	--	--	ND<200	17	ND<0.20	--
09/09/04	--	ND<50	--	--	--	--	--	--	ND<10	16	1.2	--
12/20/04	--	ND<50	--	--	--	--	--	--	ND<0.010	17	ND<1.0	--
03/28/05	--	ND<50	--	--	--	--	--	--	ND<0.050	17	ND<1.0	--
06/14/05	--	ND<50	--	--	--	--	--	--	ND<50	18	ND<1.0	--
09/28/05	--	ND<250	--	--	--	--	--	--	ND<100	4.3	0.66	--
12/29/05	--	ND<250	--	--	--	--	--	--	ND<100	4.3	0.65	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-3 continued</b>												
03/27/06	--	ND<250	--	--	--	--	--	--	ND<100	4.5	0.66	--
06/12/06	--	ND<250	--	--	--	--	--	--	ND<100	4.4	0.64	--
09/21/06	--	ND<250	--	--	--	--	--	--	170	4.4	0.69	--
12/21/06	--	ND<250	--	--	--	--	--	--	ND<100	4.5	0.68	--
03/28/07	--	ND<250	--	--	--	--	--	--	ND<100	4.7	0.67	--
06/27/07	--	ND<250	--	--	--	--	--	--	ND<100	4.5	0.64	--
09/26/07	--	ND<250	--	--	--	--	--	--	9900	ND<0.10	ND<0.050	--
12/27/07	--	ND<250	--	--	--	--	--	--	130	4.6	0.75	--
03/26/08	--	ND<250	--	--	--	--	--	--	190	5.1	0.64	--
06/18/08	--	ND<250	--	--	--	--	--	--	ND<100	4.9	0.64	--
09/24/08	--	ND<250	--	--	--	--	--	--	150	4.7	0.73	--
12/22/08	--	ND<250	--	--	--	--	--	--	ND<100	4.8	0.73	--
03/26/09	--	ND<250	--	--	--	--	--	--	ND<100	4.8	0.66	--
<b>U-4</b>												
06/30/97	--	--	--	--	--	--	--	--	130	35	--	0.52
09/19/97	--	--	--	--	--	--	--	--	350	30	--	ND
12/12/97	--	--	--	--	--	--	--	--	680	31	--	0.73
03/03/98	--	--	--	--	--	--	--	--	18	3.2	--	ND
06/15/98	--	--	--	--	--	--	--	--	140	33	--	ND
09/30/98	--	--	--	--	--	--	--	--	49	31	--	ND
12/28/98	--	--	--	--	--	--	--	--	360	31	--	ND
03/22/99	--	--	--	--	--	--	--	--	ND	30	--	0.14
06/09/99	--	--	--	--	--	--	--	--	ND	35	--	0.91
09/08/99	--	--	--	--	--	--	--	--	ND	24	--	ND
12/07/99	--	--	--	--	--	--	--	--	ND	27.7	--	ND

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-4 continued</b>												
03/13/00	--	--	--	--	--	--	--	--	ND	33	--	ND
06/21/00	--	--	--	--	--	--	--	--	34	32	--	ND
09/27/00	--	--	--	--	--	--	--	--	ND	28	--	ND
12/12/00	--	--	--	--	--	--	--	--	ND	30	--	ND
03/07/01	--	--	--	--	--	--	--	--	ND	33.9	--	0.226
06/06/01	--	--	--	--	--	--	--	--	ND	7.4	--	0.21
09/24/01	--	--	--	--	--	--	--	--	ND<100	24	--	--
12/10/01	--	--	--	--	--	--	--	--	ND<100	19	--	0.10
03/11/02	--	--	--	--	--	--	--	--	ND<100	31	--	0.14
06/04/02	--	--	--	--	--	--	--	--	ND<100	27	--	ND<0.10
09/03/02	--	--	--	--	--	--	--	--	ND<100	28	--	0.27
12/03/02	--	--	--	--	--	--	--	--	ND<200	20	--	ND<1.0
03/04/03	--	--	--	--	--	--	--	--	ND<200	26	--	ND<1.0
06/18/03	--	--	--	--	--	--	--	--	ND<200	31	--	ND<1.0
09/24/03	--	ND<500	--	--	--	--	--	--	ND<0.20	17	--	1.5
12/02/03	--	ND<500	--	--	--	--	--	--	ND<200	--	--	--
03/30/04	--	ND<50	--	--	--	--	--	--	ND<200	25	ND<1.0	--
06/07/04	--	ND<50	--	--	--	--	--	--	ND<200	24	ND<0.20	--
09/09/04	--	ND<50	--	--	--	--	--	--	ND<10	22	ND<1.0	--
12/20/04	--	ND<50	--	--	--	--	--	--	ND<0.010	20	ND<1.0	--
03/28/05	--	ND<50	--	--	--	--	--	--	0.060	31	ND<1.0	--
06/14/05	--	ND<50	--	--	--	--	--	--	ND<50	32	ND<1.0	--
09/28/05	--	ND<250	--	--	--	--	--	--	190	6.8	0.45	--
12/29/05	--	ND<250	--	--	--	--	--	--	ND<100	5.3	0.37	--
03/27/06	--	ND<250	--	--	--	--	--	--	ND<100	6.4	0.41	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-4 continued</b>												
06/12/06	--	ND<250	--	--	--	--	--	--	2200	6.8	0.39	--
09/21/06	--	ND<250	--	--	--	--	--	--	360	5.7	0.43	--
12/21/06	--	ND<250	--	--	--	--	--	--	ND<100	5.6	0.41	--
03/28/07	--	ND<250	--	--	--	--	--	--	ND<100	5.5	0.49	--
06/27/07	--	ND<250	--	--	--	--	--	--	ND<100	5.3	0.34	--
09/26/07	--	ND<250	--	--	--	--	--	--	ND<100	5.4	0.40	--
12/27/07	--	ND<250	--	--	--	--	--	--	ND<100	5.3	0.43	--
03/26/08	--	ND<250	--	--	--	--	--	--	160	5.6	0.38	--
06/18/08	--	ND<250	--	--	--	--	--	--	ND<100	5.6	0.39	--
09/24/08	--	ND<250	--	--	--	--	--	--	250	5.1	0.34	--
12/22/08	--	ND<250	--	--	--	--	--	--	140	4.8	0.39	--
03/26/09	--	ND<250	--	--	--	--	--	--	ND<100	4.4	0.37	--
<b>U-5</b>												
06/30/97	--	--	--	--	--	--	--	--	16000	ND	--	ND
09/19/97	--	--	--	--	--	--	--	--	220	ND	--	ND
12/12/97	--	--	--	--	--	--	--	--	6700	ND	--	ND
03/03/98	--	--	--	--	--	--	--	--	18000	3.1	--	ND
06/15/98	--	--	--	--	--	--	--	--	17000	ND	--	ND
09/30/98	--	--	--	--	--	--	--	--	17000	ND	--	ND
12/28/98	--	--	--	--	--	--	--	--	17000	6.6	--	ND
03/22/99	--	--	--	--	--	--	--	--	120	ND	--	2.4
06/09/99	--	--	--	--	--	--	--	--	230	ND	--	ND
09/08/99	--	--	--	--	--	--	--	--	2100	ND	--	ND
12/07/99	--	--	--	--	--	--	--	--	310	ND	--	ND
03/13/00	--	--	--	--	--	--	--	--	330	0.16	--	ND

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-5 continued</b>												
06/21/00	--	--	--	--	--	--	--	--	150	ND	--	ND
09/27/00	--	--	--	--	--	--	--	--	330	ND	--	ND
12/12/00	--	--	--	--	--	--	--	--	86	ND	--	ND
03/07/01	ND	ND	ND	ND	ND	ND	ND	--	1070	3.02	--	4.00
06/06/01	--	--	--	--	--	--	--	--	ND	ND	--	1.2
09/24/01	ND<200	ND<4000	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND<100	0.77	--	--
12/10/01	--	--	--	--	--	--	--	--	3700	ND<0.50	--	2.6
03/11/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	100	ND<0.50	--	0.52
06/04/02	--	--	--	--	--	--	--	--	ND<250	ND<0.50	--	ND<0.10
09/03/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<250	ND<0.50	--	ND<0.10
12/03/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	22000	ND<1.0	--	ND<1.0
03/04/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	19000	ND<1.0	--	ND<1.0
06/18/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	11000	ND<1.0	--	ND<1.0
09/24/03	--	ND<500	--	--	--	--	--	--	ND<0.20	18	--	1.8
12/02/03	--	ND<500	--	--	--	--	--	--	9400	--	--	--
03/30/04	52	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	5900	ND<1.0	ND<1.0	--
06/07/04	69	ND<50	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	--	3800	ND<0.50	ND<0.20	--
09/09/04	130	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	4100	ND<1.0	ND<1.0	--
12/20/04	--	ND<50	--	--	--	--	--	--	5.0	ND<1.0	ND<1.0	--
03/28/05	150	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	6.5	ND<1.0	ND<1.0	--
06/14/05	160	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	7400	3.6	ND<1.0	--
09/28/05	220	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	7300	ND<0.50	0.10	--
12/29/05	280	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	7300	ND<0.50	ND<0.050	--
03/27/06	--	ND<250	--	--	--	--	--	--	6300	ND<0.50	ND<0.050	--
06/12/06	--	ND<250	--	--	--	--	--	--	8700	ND<0.20	ND<0.050	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-5 continued</b>												
09/21/06	--	ND<250	--	--	--	--	--	--	6800	ND<0.50	ND<0.050	--
12/21/06	--	ND<250	--	--	--	--	--	--	15000	ND<0.50	ND<0.050	--
03/28/07	870	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	10000	ND<0.20	ND<0.050	--
06/27/07	220	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	10000	ND<0.10	ND<0.050	--
09/26/07	--	ND<250	--	--	--	--	--	--	9200	ND<0.10	ND<0.050	--
12/27/07	--	ND<250	--	--	--	--	--	--	5900	ND<0.10	ND<0.050	--
03/26/08	--	ND<250	--	--	--	--	--	--	10000	ND<0.20	ND<0.050	--
06/18/08	--	ND<250	--	--	--	--	--	--	6700	0.12	ND<0.050	--
09/24/08	--	ND<250	--	--	--	--	--	--	7900	ND<0.10	ND<0.050	--
12/22/08	--	ND<250	--	--	--	--	--	--	9200	ND<0.10	ND<0.050	--
03/26/09	--	ND<250	--	--	--	--	--	--	990	ND<0.10	ND<0.050	--
<b>U-6</b>												
06/30/97	--	--	--	--	--	--	--	--	88000	0.80	--	ND
09/19/97	--	--	--	--	--	--	--	--	2900	1.80	--	ND
12/12/97	--	--	--	--	--	--	--	--	51000	ND	--	ND
03/03/98	--	--	--	--	--	--	--	--	60000	3.5	--	ND
06/15/98	--	--	--	--	--	--	--	--	590000	4.8	--	ND
09/30/98	--	--	--	--	--	--	--	--	33000	ND	--	ND
12/28/98	--	--	--	--	--	--	--	--	83000	7.2	--	ND
03/22/99	--	--	--	--	--	--	--	--	2100	ND	--	0.98
06/09/99	--	--	--	--	--	--	--	--	470	0.20	--	ND
09/08/99	--	--	--	--	--	--	--	--	140	5.59	--	ND
12/07/99	--	--	--	--	--	--	--	--	260	ND	--	ND
03/13/00	--	--	--	--	--	--	--	--	790	0.26	--	ND
06/21/00	--	--	--	--	--	--	--	--	1900	ND	--	ND

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-6 continued</b>												
09/27/00	--	--	--	--	--	--	--	--	2600	ND	--	ND
12/12/00	--	--	--	--	--	--	--	--	ND	2.7	--	ND
03/07/01	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
06/06/01	ND	ND	ND	ND	ND	ND	ND	--	470	0.15	--	0.70
09/24/01	ND<2000	ND<40000	ND<100	ND<100	ND<100	ND<100	ND<100	--	ND<100	0.58	--	--
12/10/01	ND<200	ND<400	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	990	0.50	--	2.0
03/11/02	ND<400	ND<2000	ND<8.0	ND<8.0	ND<8.0	ND<8.0	ND<8.0	--	1200	ND<0.50	--	0.089
06/04/02	--	--	--	--	--	--	--	--	ND<100	ND<0.50	--	ND<1.0
09/03/02	ND<2000	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40	--	ND<100	0.58	--	1.1
12/03/02	ND<1000	ND<5000	ND<20	ND<20	ND<20	ND<20	ND<20	--	1200	ND<1.0	--	2.6
03/04/03	ND<2000	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40	--	20000	ND<1.0	--	ND<1.0
06/18/03	ND<2000	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40	--	3200	ND<1.0	--	2.0
09/24/03	ND<20000	ND<100000	ND<400	ND<400	ND<400	ND<400	ND<400	--	1.4	ND<1.0	--	4.6
12/02/03	--	ND<10000	--	--	--	--	--	--	1400	--	--	--
03/30/04	770	ND<1000	ND<10	ND<10	ND<20	ND<10	ND<10	--	2600	ND<1.0	ND<1.0	--
06/07/04	110	ND<1000	ND<10	ND<10	ND<20	ND<10	ND<10	--	2100	0.8	ND<0.20	--
09/09/04	1900	ND<1000	ND<10	ND<10	ND<20	ND<10	ND<10	--	870	ND<1.0	3.8	--
12/20/04	5000	ND<250	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	2.5	ND<1.0	ND<1.0	--
03/28/05	990	--	ND<2.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.4	ND<1.0	ND<1.0	--
06/14/05	ND<5.0	ND<100	ND<0.5	ND<0.5	ND<0.50	ND<0.50	ND<0.50	--	4100	3.8	ND<1.0	--
09/28/05	3800	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	21000	ND<0.20	3.4	--
12/29/05	1100	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	8300	0.48	ND<0.050	--
03/27/06	--	ND<250	--	--	--	--	--	--	8800	0.37	0.19	--
06/12/06	--	ND<250	--	--	--	--	--	--	8500	0.23	ND<0.050	--
09/21/06	--	ND<250	--	--	--	--	--	--	2900	0.19	0.31	--



**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Acenaph- thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)
<b>U-6 continued</b>												
12/21/06	--	ND<250	--	--	--	--	--	--	11000	0.36	0.41	--
03/28/07	--	ND<250	--	--	--	--	--	--	ND<100	0.55	0.31	--
09/26/07	--	ND<250	--	--	--	--	--	--	ND<100	0.41	0.34	--
12/27/07	--	ND<250	--	--	--	--	--	--	7700	ND<0.10	1.0	--
03/26/08	--	ND<250	--	--	--	--	--	--	19000	ND<0.10	1.2	--
06/18/08	--	ND<250	--	--	--	--	--	--	210000	ND<0.10	0.076	--
09/24/08	--	ND<250	--	--	--	--	--	--	220000	ND<0.10	0.28	--
12/22/08	--	ND<250	--	--	--	--	--	--	290000	ND<0.10	0.39	--
03/26/09	--	ND<1200	--	--	--	--	--	--	540000	ND<0.10	0.28	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-1</b>					
06/15/98	382	--	--	--	--
09/30/98	366	--	--	--	--
12/28/98	298	--	--	--	--
03/22/99	320	--	--	--	--
06/09/99	260	--	--	--	--
09/08/99	85	--	--	--	--
12/07/99	404	--	1.36	--	--
03/13/00	262	--	--	--	--
06/21/00	148	--	1.53	--	--
09/27/00	119	--	1.63	--	--
12/12/00	131	--	1.48	--	--
03/07/01	125	--	1.91	--	--
06/06/01	141	--	1.77	--	--
09/24/01	125	--	1.64	--	--
12/10/01	141	--	1.82	--	--
03/11/02	132	--	2.21	--	--
06/04/02	117	--	1.88	--	--
09/03/02	94	--	1.62	--	--
12/03/02	72	--	1.71	--	--
03/04/03	-125	--	0.30	--	--
06/18/03	-48	1.7	--	--	--
09/24/03	-36	--	0.40	--	--
12/02/03	--	6.46	2.05	-72	-73
03/30/04	--	1.08	3.05	-40	-54
06/07/04	--	1.62	2.30	-32	-48

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-1 continued</b>					
12/20/04	--	1.35	5.55	--	32
03/28/05	--	4.32	3.26	124	138
06/14/05	--	3.95	4.52	-145	-177
09/28/05	--	7.13	2.59	-065	-160
12/29/05	--	3.74	2.81	-310	-508
03/27/06	--	--	1.95	-667	--
06/12/06	--	--	1.20	-229	--
09/21/06	--	--	1.28	-110	--
12/21/06	--	--	--	-102	--
03/28/07	--	--	6.75	-93	--
06/27/07	--	--	3.87	-106	--
09/26/07	--	--	2.39	-60	--
12/27/07	--	--	2.36	-60	--
03/26/08	--	--	3.41	-63	--
06/18/08	--	--	2.67	-20	--
09/24/08	--	--	0.80	-38	--
12/22/08	--	--	2.47	-99	--
<b>U-2</b>					
03/03/98	369	--	--	--	--
06/15/98	341	--	--	--	--
09/30/98	354	--	--	--	--
12/28/98	276	--	--	--	--
03/22/99	320	--	--	--	--
06/09/99	290	--	--	--	--
09/08/99	235	--	--	--	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-2 continued</b>					
12/07/99	389	--	2.28	--	--
03/13/00	184	--	--	--	--
06/21/00	136	--	1.96	--	--
09/27/00	142	--	2.12	--	--
12/12/00	155	--	2.35	--	--
03/07/01	148	--	2.21	--	--
06/06/01	163	--	2.67	--	--
09/24/01	151	--	2.10	--	--
12/10/01	171	--	2.81	--	--
03/11/02	156	--	2.77	--	--
06/04/02	144	--	3.14	--	--
09/03/02	151	--	2.85	--	--
12/03/02	94	--	1.97	--	--
03/04/03	-147	--	0.40	--	--
06/18/03	-8	3.2	--	--	--
09/24/03	-10	--	0.20	--	--
12/02/03	--	1.81	1.70	-29	-67
03/30/04	--	--	2.40	-6	--
06/07/04	--	3.29	3.10	-8	7
09/09/04	--	3.10	3.12	-74	-79
12/20/04	--	6.54	.41	-84	-72
03/28/05	--	4.30	3.76	118	140
06/14/05	--	3.99	3.28	-155	-206
09/28/05	--	6.62	2.87	-100	-179
12/29/05	--	5.71	1.76	-578	-484

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-2 continued</b>					
03/27/06	--	--	0.95	-1334	--
06/12/06	--	--	19.82	-130	--
09/21/06	--	--	3.15	-18	--
12/21/06	--	--	--	-92	--
03/28/07	--	--	8.80	-97	--
06/27/07	--	--	4.72	-105	--
09/26/07	--	--	1.84	-25	--
12/27/07	--	--	2.81	-64	--
03/26/08	--	--	3.41	-65	--
06/18/08	--	--	2.46	-49	--
09/24/08	--	--	0.47	-56	--
12/22/08	--	--	1.38	-97	--
03/26/09	--	--	1.56	-73	--
<b>U-3</b>					
06/30/97	190	--	4.10	--	--
09/19/97	75	--	4.20	--	--
12/12/97	390	--	2.97	--	--
03/03/98	358	--	2.63	--	--
06/15/98	318	--	2.93	--	--
09/30/98	295	--	3.11	--	--
12/28/98	281	--	3.59	--	--
03/22/99	310	--	4.02	--	--
06/09/99	350	--	3.70	--	--
09/08/99	417	--	3.96	--	--
12/07/99	437	--	4.21	--	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-3 continued</b>					
03/13/00	307	--	--	--	--
06/21/00	225	--	4.27	--	--
09/27/00	211	--	4.67	--	--
12/12/00	246	--	4.79	--	--
03/07/01	251	--	5.16	--	--
06/06/01	214	--	4.79	--	--
09/24/01	198	--	4.27	--	--
12/10/01	188	--	4.66	--	--
03/11/02	166	--	5.06	--	--
06/04/02	151	--	5.79	--	--
09/03/02	143	--	6.04	--	--
12/03/02	154	--	5.58	--	--
03/04/03	-136	--	0.20	--	--
06/18/03	333	3.5	--	--	--
09/24/03	-50	--	0.60	--	--
12/02/03	--	4.28	4.30	97	105
03/30/04	--	7.75	2.80	-38	12
06/07/04	--	4.19	4.70	23	42
09/09/04	--	4.68	4.75	14	21
12/20/04	--	6.70	3.28	45	32
03/28/05	--	4.21	3.32	145	137
06/14/05	--	2.97	2.82	90	86
09/28/05	--	6.99	4.96	-068	-060
12/29/05	--	4.57	3.35	-802	-1132
03/27/06	--	--	2.67	-1588	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-3 continued</b>					
06/12/06	--	--	3.97	77	--
09/21/06	--	--	2.64	-33	--
12/21/06	--	--	--	85	--
03/28/07	--	--	8.10	-10	--
06/27/07	--	--	8.72	111	--
09/26/07	--	--	3.49	72	--
12/27/07	--	--	1.78	-72	--
03/26/08	--	--	1.32	97	--
06/18/08	--	--	1.73	113	--
09/24/08	--	--	1.95	90	--
12/22/08	--	--	1.81	42	--
03/26/09	--	--	1.98	59	--
<b>U-4</b>					
06/30/97	200	--	5.40	--	--
09/19/97	45	--	5.10	--	--
12/12/97	380	--	3.11	--	--
03/03/98	284	--	2.94	--	--
06/15/98	256	--	3.08	--	--
09/30/98	276	--	4.05	--	--
12/28/98	280	--	4.57	--	--
03/22/99	320	--	4.26	--	--
06/09/99	340	--	3.61	--	--
09/08/99	391	--	3.75	--	--
12/07/99	478	--	4.03	--	--
03/13/00	244	--	--	--	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-4 continued</b>					
06/21/00	248	--	4.89	--	--
09/27/00	198	--	5.09	--	--
12/12/00	210	--	4.86	--	--
03/07/01	233	--	4.97	--	--
06/06/01	248	--	5.12	--	--
09/24/01	262	--	4.86	--	--
12/10/01	242	--	5.05	--	--
03/11/02	195	--	4.83	--	--
06/04/02	169	--	5.58	--	--
09/03/02	126	--	5.94	--	--
12/03/02	133	--	5.82	--	--
03/04/03	-148	--	0.30	--	--
06/18/03	250	3.6	--	--	--
09/24/03	-24	--	0.20	--	--
12/02/03	--	3.45	3.57	107	102
03/30/04	--	3.84	4.29	19	42
06/07/04	--	4.02	4.56	27	15
09/09/04	--	4.09	4.20	-26	-8
12/20/04	--	6.19	5.11	84	77
03/28/05	--	4.66	4.54	163	130
06/14/05	--	3.09	3.02	78	88
09/28/05	--	6.59	5.02	099	082
12/29/05	--	5.09	5.03	-628	-632
03/27/06	--	--	5.51	-1000	--
06/12/06	--	--	4.33	102	--



**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-4 continued</b>					
09/21/06	--	--	3.51	152	--
12/21/06	--	--	---	90	--
03/28/07	--	--	12.16	144	--
06/27/07	--	--	10.42	115	--
09/26/07	--	--	4.27	98	--
12/27/07	--	--	3.74	33	--
03/26/08	--	--	2.87	97	--
06/18/08	--	--	3.43	101	--
09/24/08	--	--	3.15	71	--
12/22/08	--	--	3.45	0	--
03/26/09	--	--	2.96	17	--
<b>U-5</b>					
06/30/97	160	--	3.40	--	--
09/19/97	63	--	0.60	--	--
12/12/97	400	--	1.75	--	--
03/03/98	345	--	2.36	--	--
06/15/98	333	--	2.55	--	--
09/30/98	318	--	1.93	--	--
12/28/98	305	--	1.64	--	--
03/22/99	340	--	1.99	--	--
06/09/99	320	--	2.10	--	--
09/08/99	335	--	2.21	--	--
12/07/99	408	--	2.66	--	--
03/13/00	264	--	--	--	--
06/21/00	159	--	3.42	--	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-5 continued</b>					
09/27/00	136	--	3.85	--	--
12/12/00	122	--	3.53	--	--
03/07/01	141	--	2.98	--	--
06/06/01	112	--	2.67	--	--
09/24/01	146	--	3.15	--	--
12/10/01	96	--	2.85	--	--
03/11/02	108	--	3.15	--	--
06/04/02	118	--	3.46	--	--
09/03/02	87	--	2.85	--	--
12/03/02	104	--	2.71	--	--
03/04/03	-166	--	0.20	--	--
06/18/03	-10	2.4	--	--	--
09/24/03	-28	--	0.30	--	--
12/02/03	--	2.22	2.15	-39	-39
03/30/04	--	1.89	1.88	-19	-37
06/07/04	--	1.88	1.92	-15	-31
09/09/04	--	2.38	2.58	-41	-67
12/20/04	--	.71	2.01	-65	-72
03/28/05	--	2.02	1.06	132	133
06/14/05	--	2.38	2.02	-163	-168
09/28/05	--	6.94	4.58	-126	-125
12/29/05	--	2.17	1.99	-416	-411
03/27/06	--	--	2.69	-585	--
06/12/06	--	--	2.32	-236	--
09/21/06	--	--	1.37	-125	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-5 continued</b>					
12/21/06	--	--	--	-109	--
03/28/07	--	--	9.09	-97	--
06/27/07	--	--	3.52	-101	--
09/26/07	--	--	2.66	-80	--
12/27/07	--	--	1.63	-83	--
03/26/08	--	--	2.32	-9	--
06/18/08	--	--	3.29	-14	--
09/24/08	--	--	2.97	-8	--
12/22/08	--	--	0.69	-78	--
03/26/09	--	--	0.39	-88	--
<b>U-6</b>					
06/30/97	190	--	0.30	--	--
09/19/97	ND	--	0.60	--	--
12/12/97	380	--	2.70	--	--
03/03/98	327	--	2.18	--	--
06/15/98	315	--	2.48	--	--
09/30/98	345	--	3.06	--	--
12/28/98	297	--	3.42	--	--
03/22/99	330	--	3.88	--	--
06/09/99	320	--	3.29	--	--
09/08/99	305	--	3.12	--	--
12/07/99	443	--	3.44	--	--
03/13/00	222	--	--	--	--
06/21/00	159	--	3.27	--	--
09/27/00	170	--	3.49	--	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

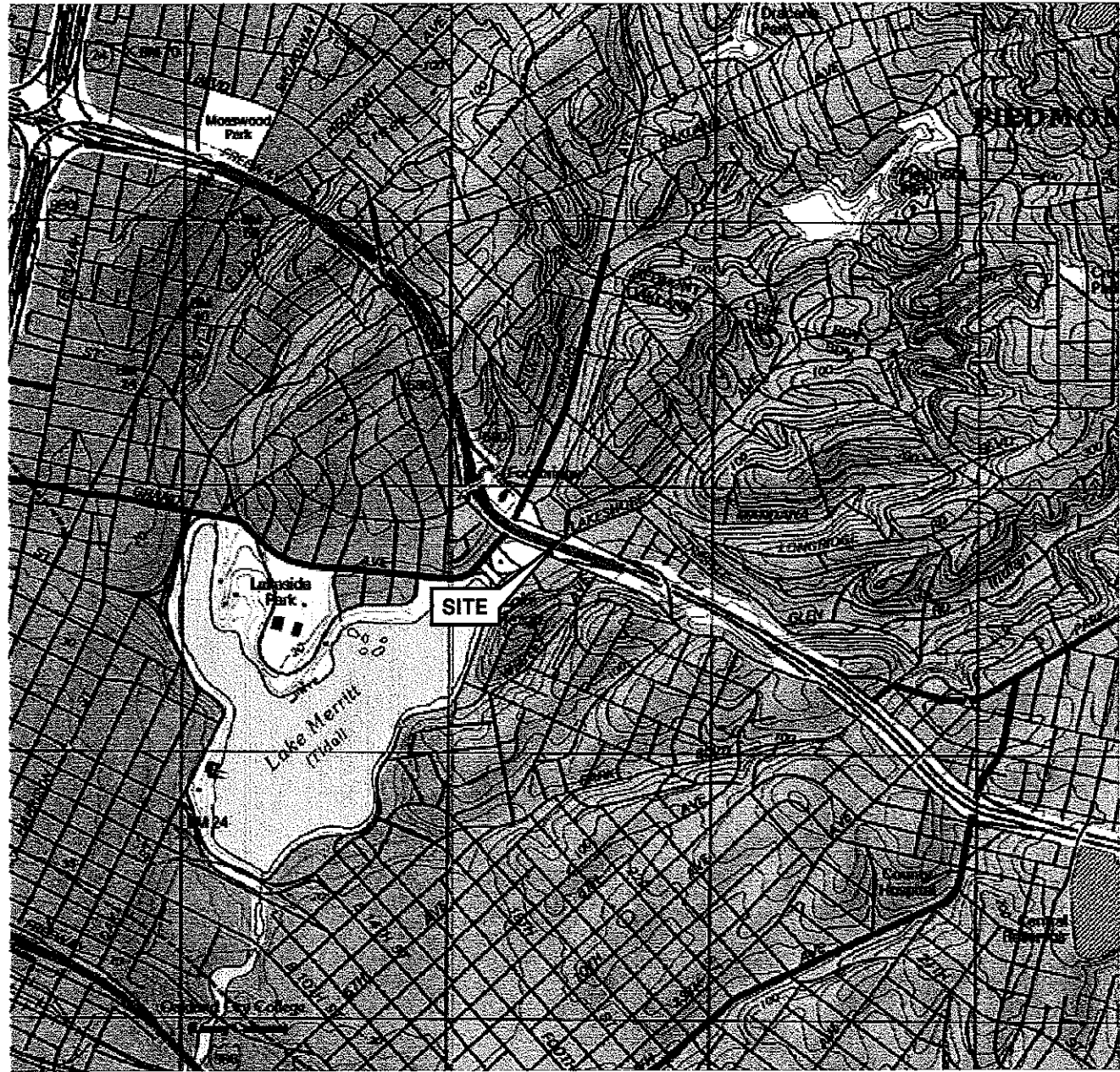
Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-6 continued</b>					
12/12/00	128	--	3.06	--	--
06/06/01	97	--	2.46	--	--
09/24/01	123	--	3.10	--	--
12/10/01	112	--	2.57	--	--
03/11/02	128	--	3.03	--	--
06/04/02	97	--	2.84	--	--
09/03/02	110	--	3.12	--	--
12/03/02	95	--	2.96	--	--
03/04/03	-112	--	0.30	--	--
06/18/03	-15	3.2	--	--	--
09/24/03	-12	--	0.30	--	--
12/02/03	--	3.10	2.53	-99	-74
03/30/04	--	3.61	1.88	-28	-33
06/07/04	--	2.43	2.90	-32	-62
09/09/04	--	2.84	2.96	-89	--
03/28/05	--	3.18	2.57	84	96
06/14/05	--	4.02	4.20	-158	-175
09/28/05	--	7.93	6.82	-028	-141
12/29/05	--	1.49	3.56	-480	-548
03/27/06	--	--	1.33	-953	--
06/12/06	--	--	1.32	-234	--
09/21/06	--	--	2.07	-113	--
12/21/06	--	--	--	-132	--
03/28/07	--	--	7.37	-36	--
09/26/07	--	--	3.92	64	--

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5325**

Date Sampled	Redox Potential (ORP-Lab) (mV)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>U-6 continued</b>					
12/27/07	--	--	2.55	-5	--
03/26/08	--	--	2.74	115	--
06/18/08	--	--	1.11	167	--
09/24/08	--	--	3.85	59	--
12/22/08	--	--	1.57	60	--
03/26/09	--	--	1.67	39	--

# FIGURES

PS=1:1 L:\QMS VICINITY M A P S\5325VM.DWG Jan 20, 2009 - 12:26pm cokers



SOURCE:

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

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



SCALE 1: 24,000



QUADRANGLE  
LOCATION




FACILITY:

76 STATION 5325  
3220 LAKESHORE AVENUE  
OAKLAND, CALIFORNIA

VICINITY MAP

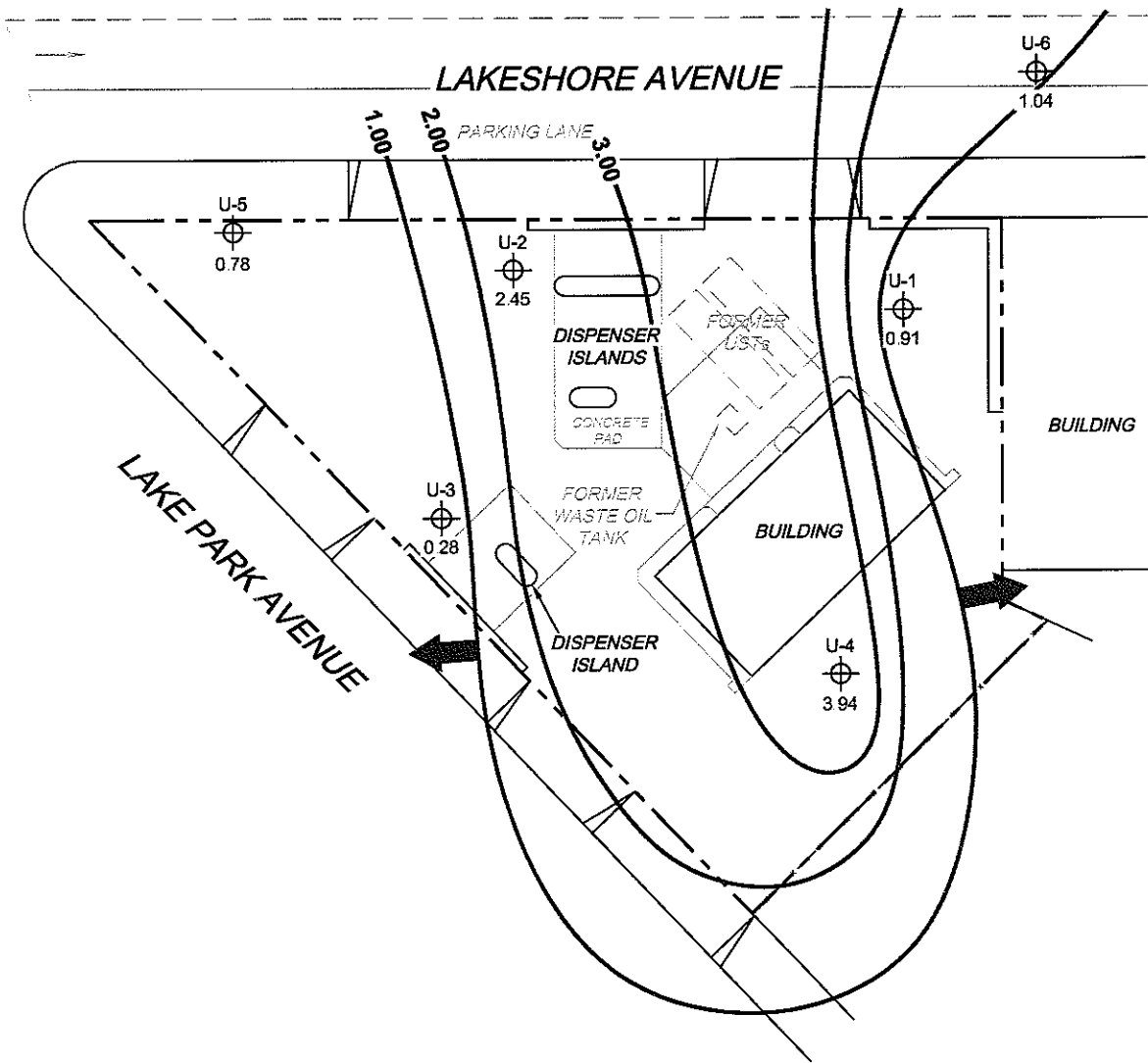
FIGURE 1

**LEGEND**

U-6  Monitoring Well with Groundwater Elevation (feet)

3.00  Groundwater Elevation Contour

 General Direction of Groundwater Flow



**NOTES:**

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

SCALE (FEET)



L:\Graphics\QMS NORTH-SOUTH\16525\16525-QMS(NEW).DWG Apr 15, 2009 - 10:17am bschmidt

MS-1-40 5325-003




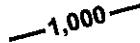
PROJECT: 165521  
 FACILITY:  
 76 STATION 5325  
 3220 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

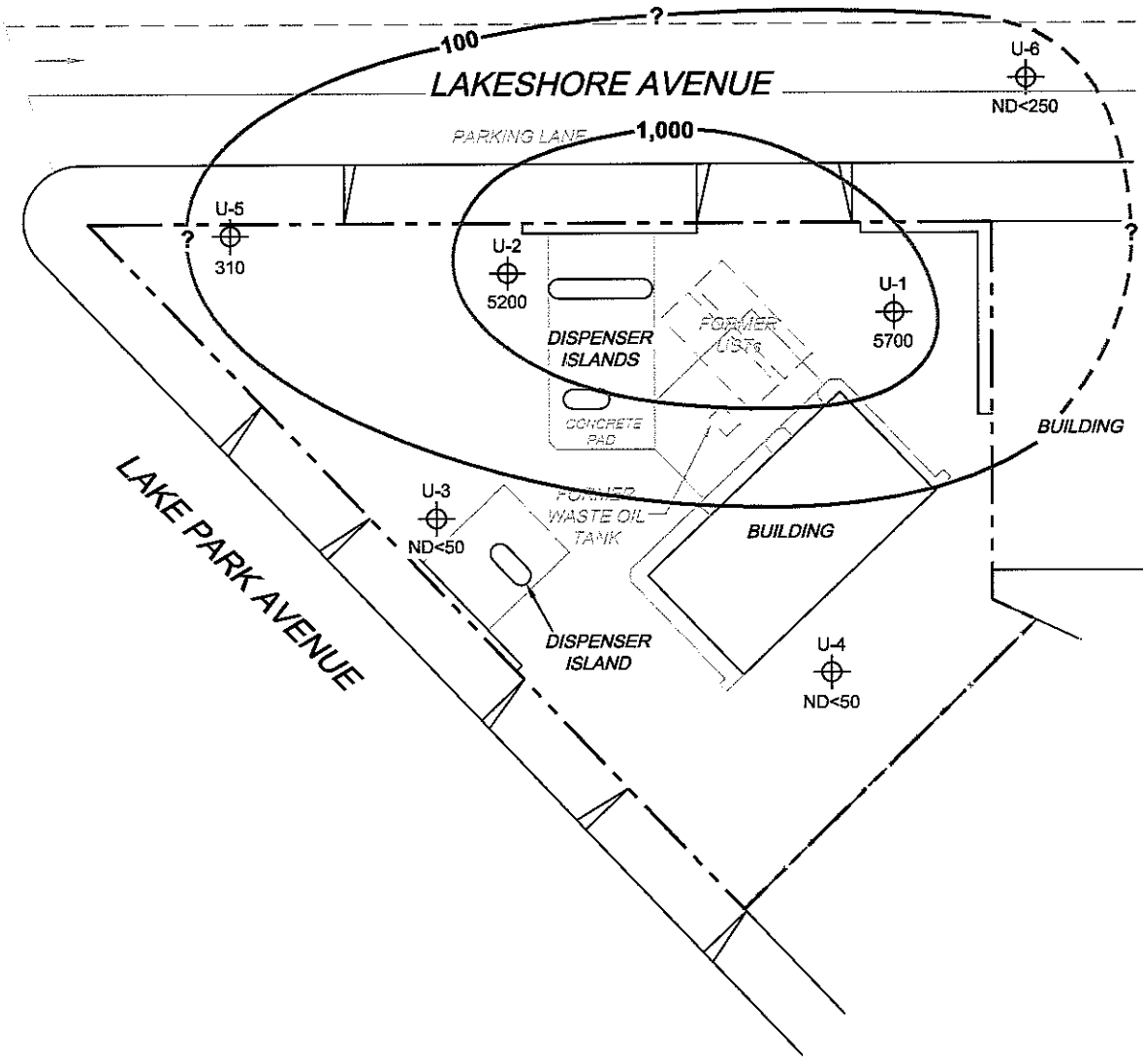
**GROUNDWATER ELEVATION  
 CONTOUR MAP  
 March 26, 2009**

**FIGURE 2**



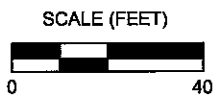
**LEGEND**

- U-6  Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration (µg/l)
-  1,000 Dissolved-Phase TPH-G (GC/MS) Contour (µg/l)



**NOTES:**

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



L:\Graphics\GIS\NORTH-SOUTH\1x-5000\15325+15325QMS(NEW).DWG Apr 15, 2009 - 10:37am bschmidt

MS=1:40 5325-003




PROJECT: 165521  
 FACILITY:  
 76 STATION 5325  
 3220 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

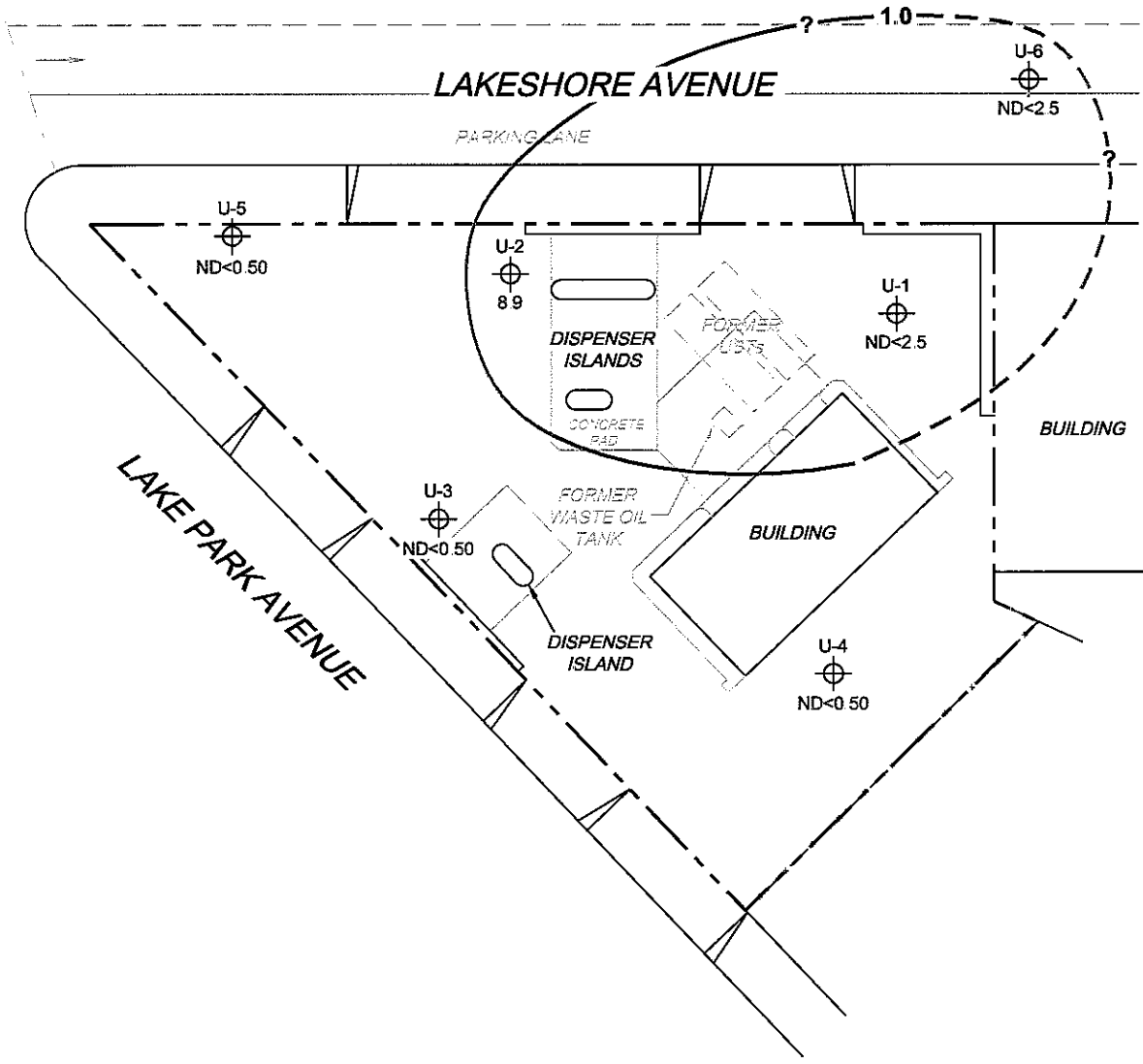
**DISSOLVED-PHASE TPH-G (GC/MS)  
 CONCENTRATION MAP**  
 March 26, 2009

**FIGURE 3**

**LEGEND**

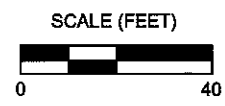
U-6  Monitoring Well with Dissolved-Phase Benzene Concentration ( $\mu\text{g/l}$ )

1.0  Dissolved-Phase Benzene Contour ( $\mu\text{g/l}$ )



**NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.  
 $\mu\text{g/l}$  = micrograms per liter. ND = not detected at limit indicated on official laboratory report.  
 Dashes indicate contour based on non-detect at elevated detection limit. UST = underground storage tank.



MS=1:40 5325-003 L:\Graphics\QMS NORTH-SOUTH\1x-5000\5325+15325\QMS(NEW).DWG Apr 15, 2009 - 10:40am bschmidt




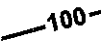
PROJECT: 165521  
 FACILITY:  
 76 STATION 5325  
 3220 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

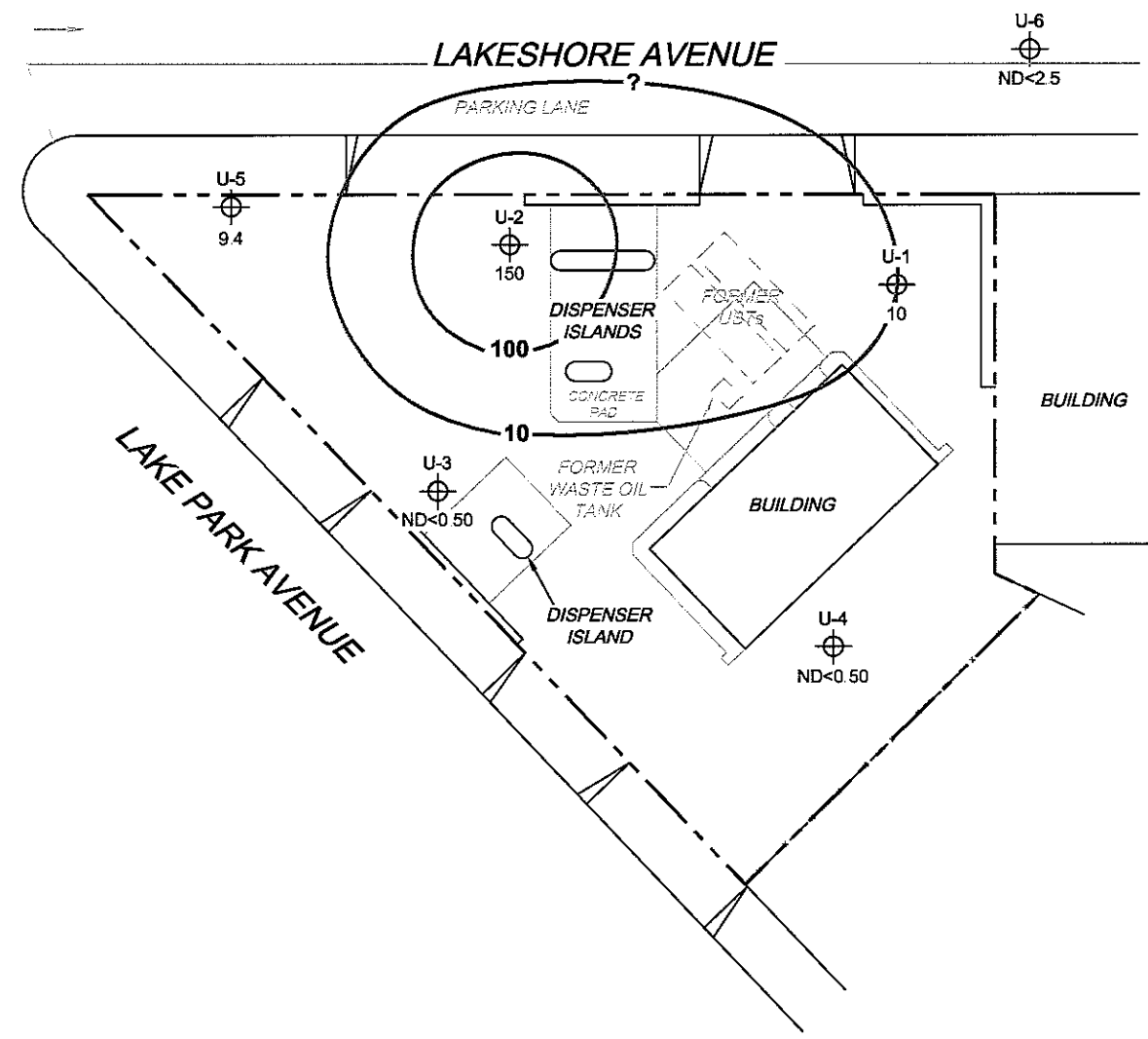
**DISSOLVED-PHASE BENZENE  
 CONCENTRATION MAP**  
 March 26, 2009

**FIGURE 4**

**LEGEND**

U-6  Monitoring Well with Dissolved-Phase MTBE Concentration ( $\mu\text{g/l}$ )

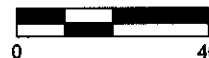
 100 Dissolved-Phase MTBE Contour ( $\mu\text{g/l}$ )



**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. UST = underground storage tank. Results obtained using EPA Method 8260B.

SCALE (FEET)



L:\Graphics\QMS NORTH-SOUTH\15325+5325\QMS(NEW)\DWG Apr 15, 2009 - 10:46am tschmidt

MS=1,40 5325-003



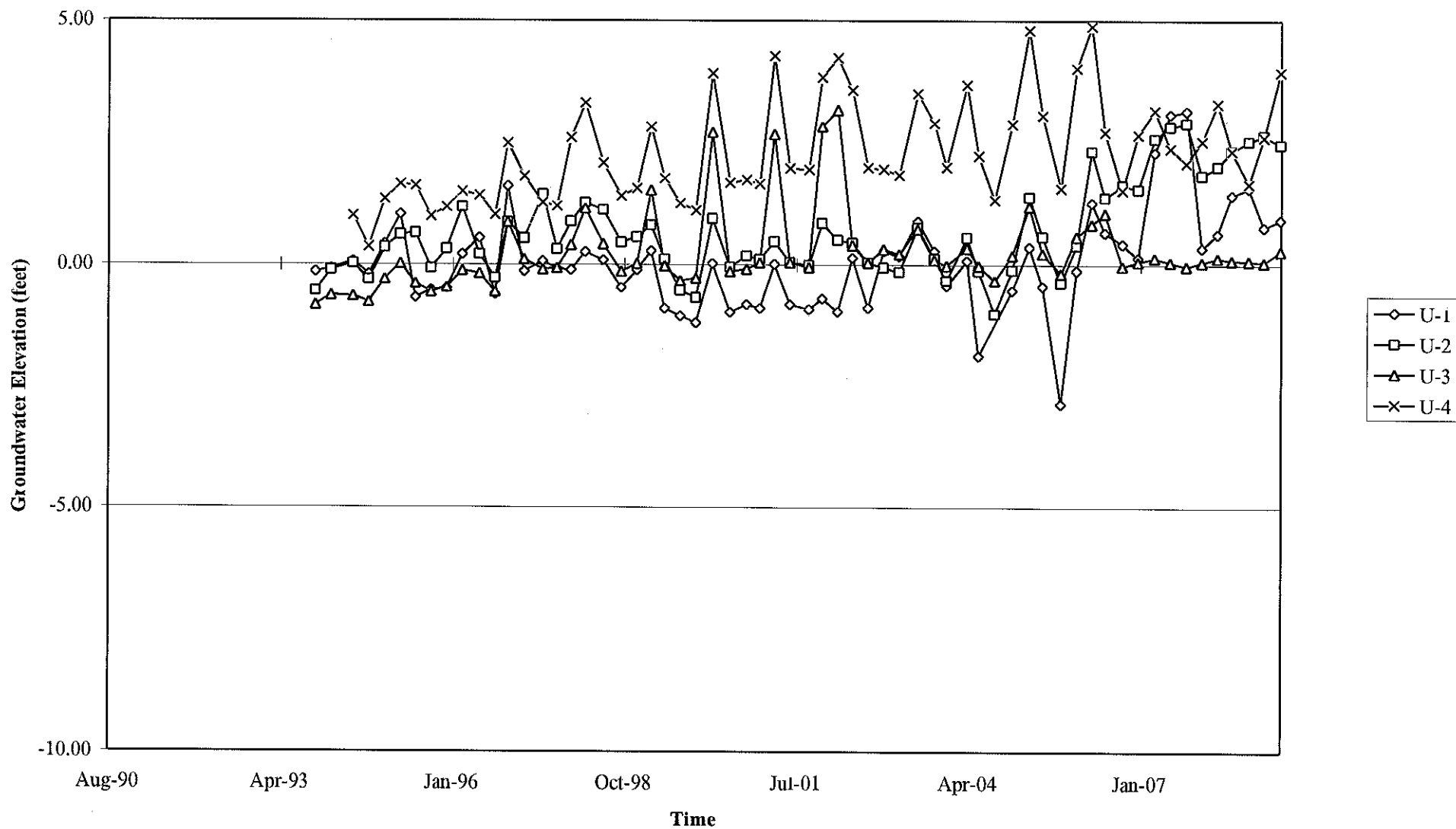
PROJECT: 165521  
 FACILITY:  
 76 STATION 5325  
 3220 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

**DISSOLVED-PHASE MTBE  
 CONCENTRATION MAP  
 March 26, 2009**

**FIGURE 5**

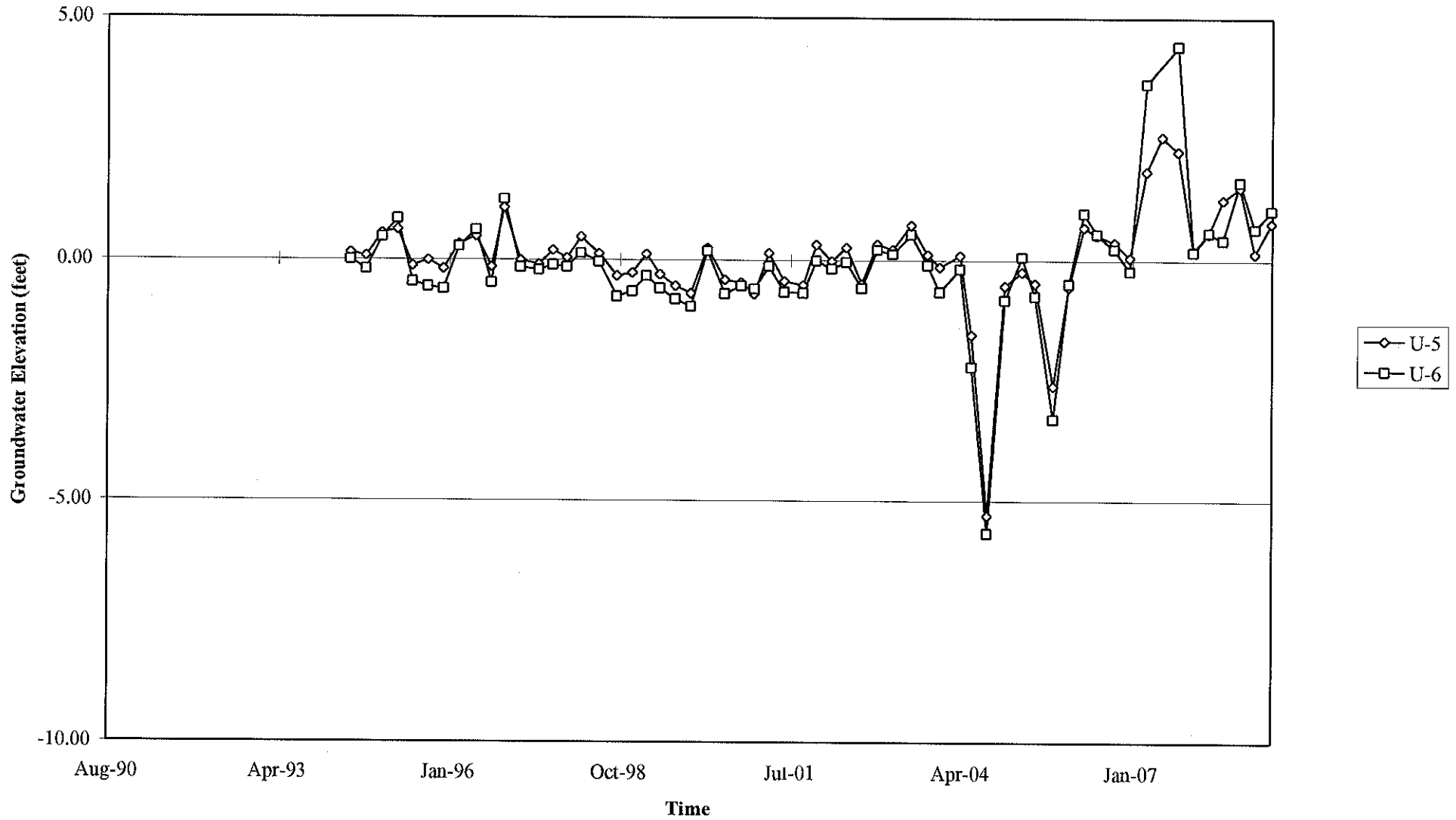
# GRAPHS

Groundwater Elevations vs. Time  
76 Station 5325



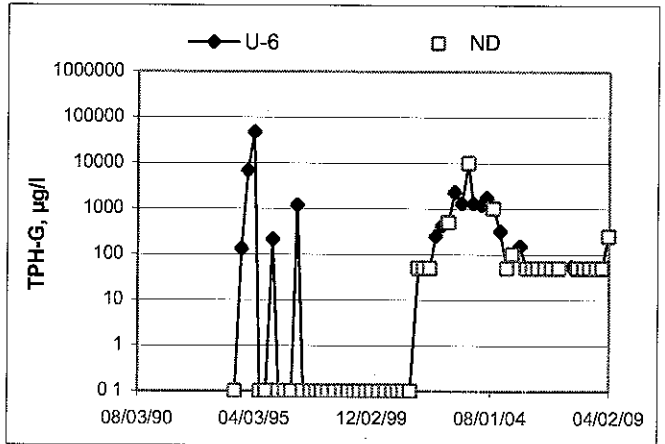
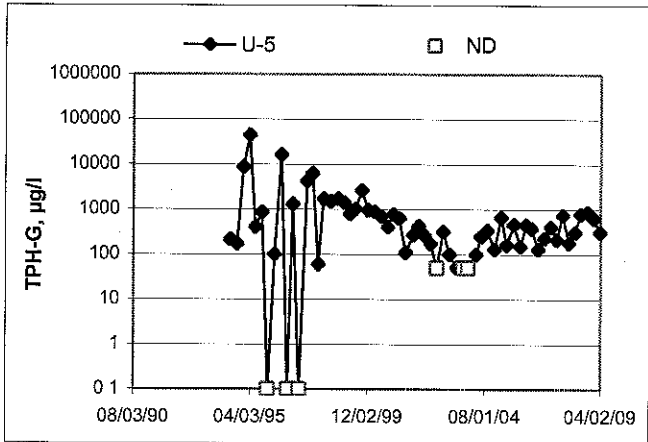
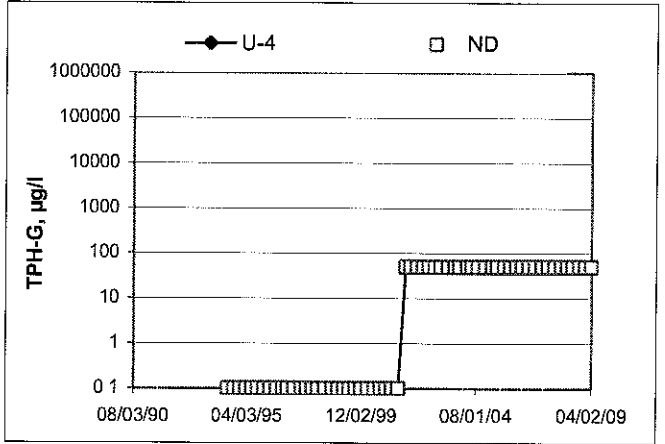
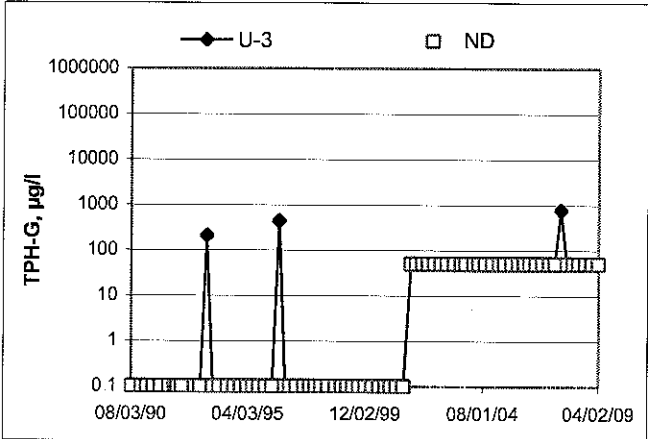
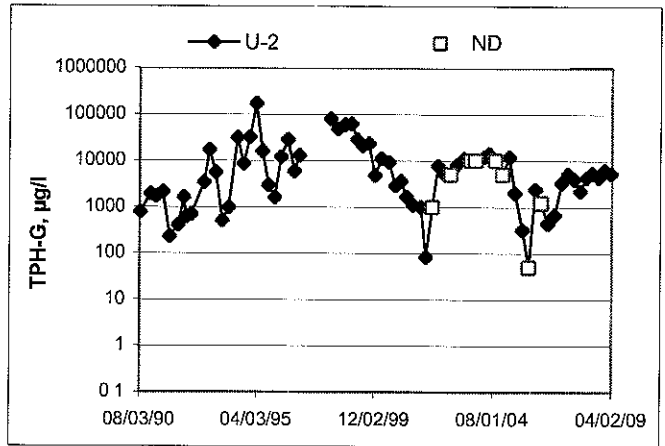
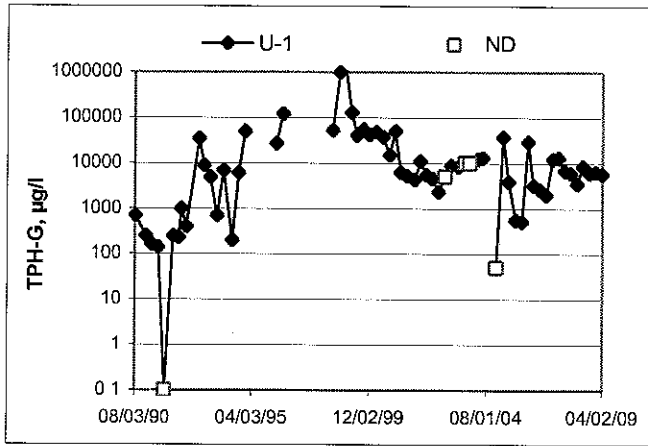
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time  
76 Station 5325

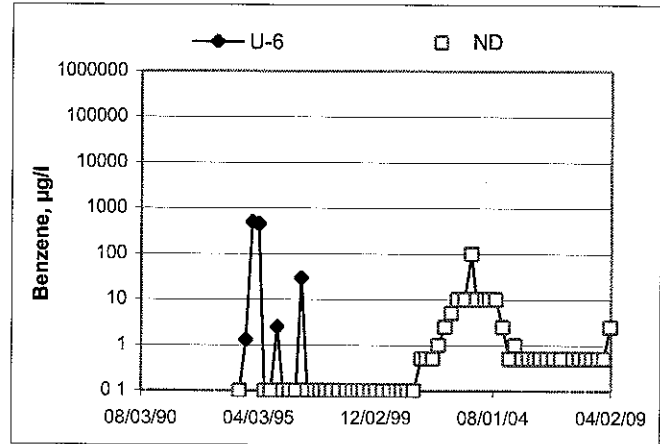
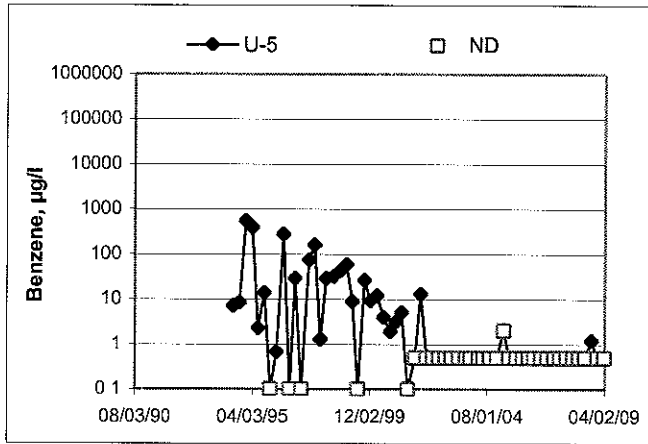
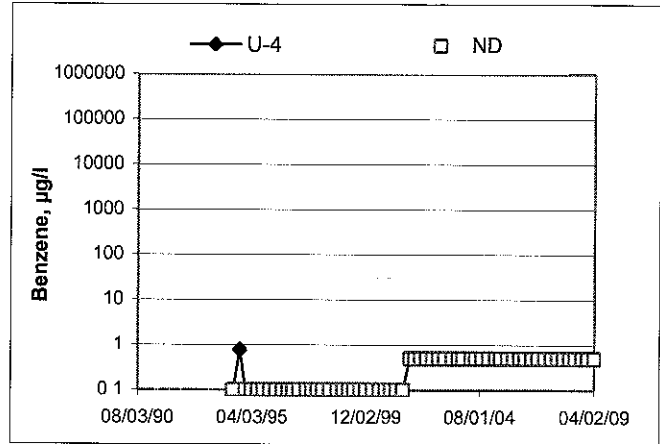
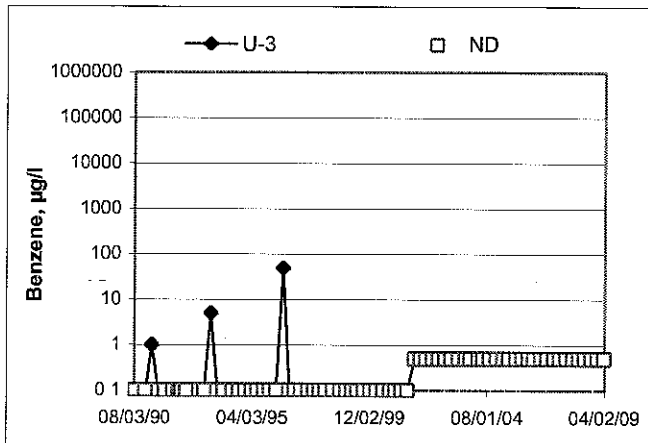
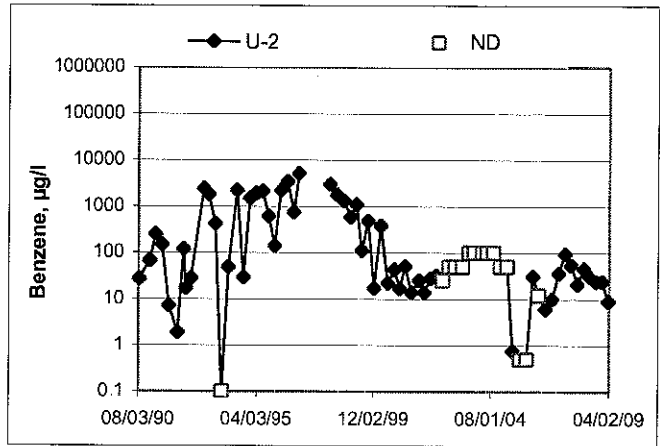
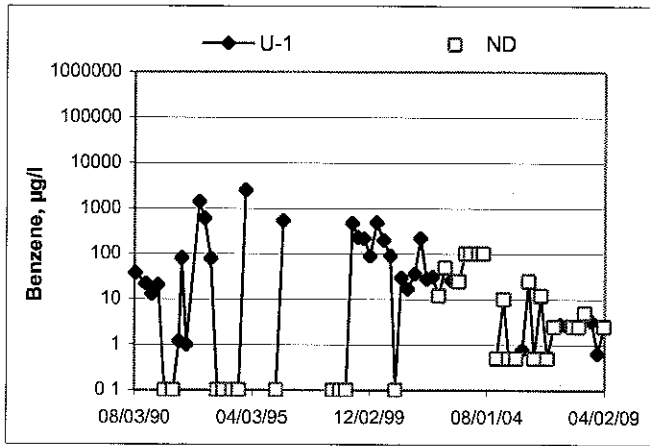


Elevations may have been corrected for apparent changes due to resurvey

TPH-G Concentrations vs Time  
76 Station 5325

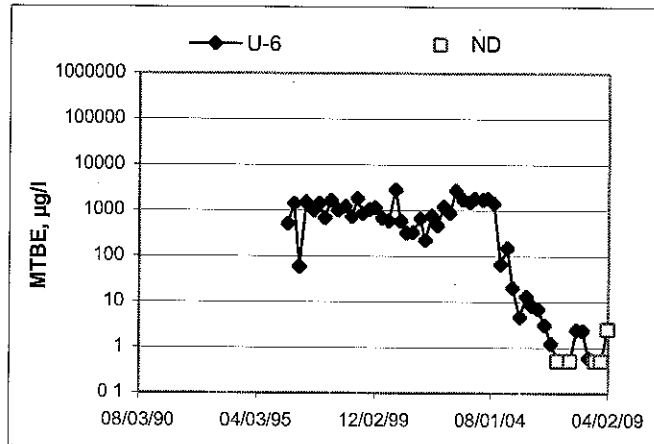
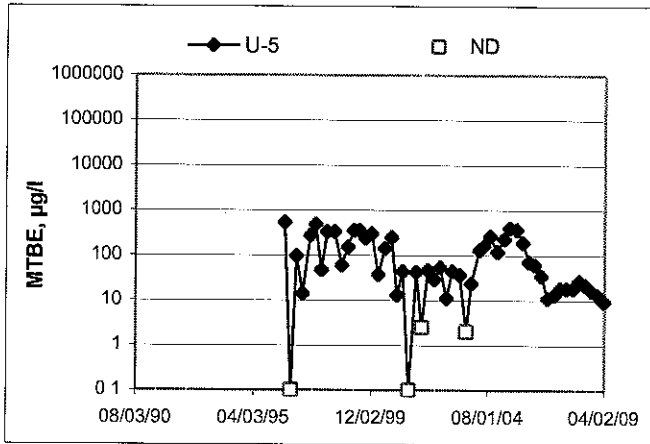
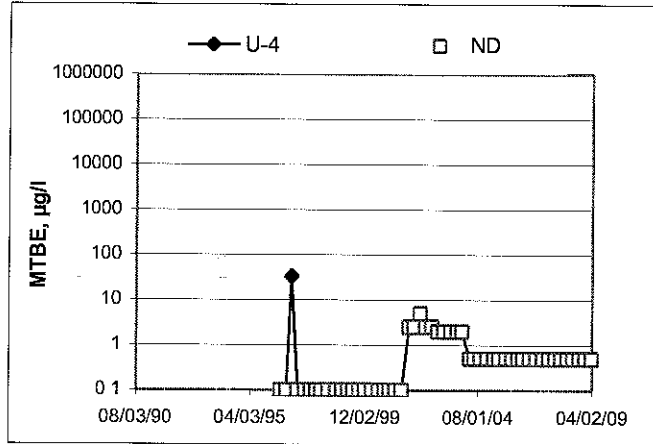
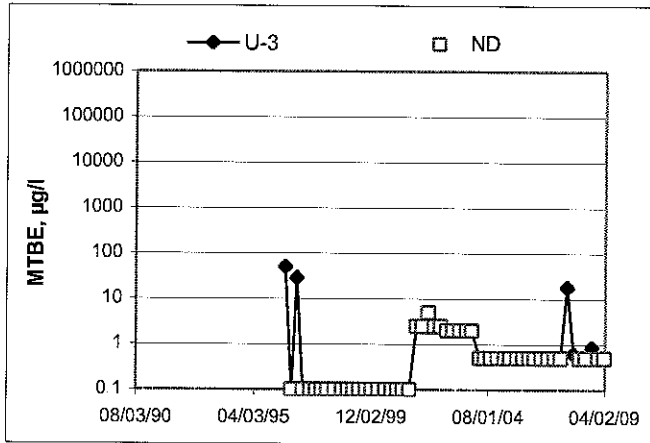
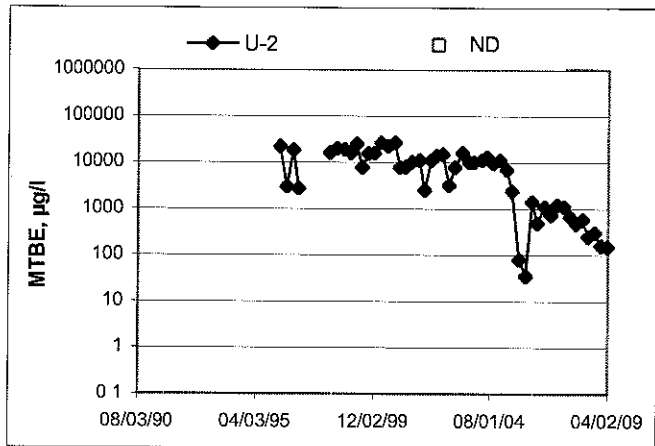
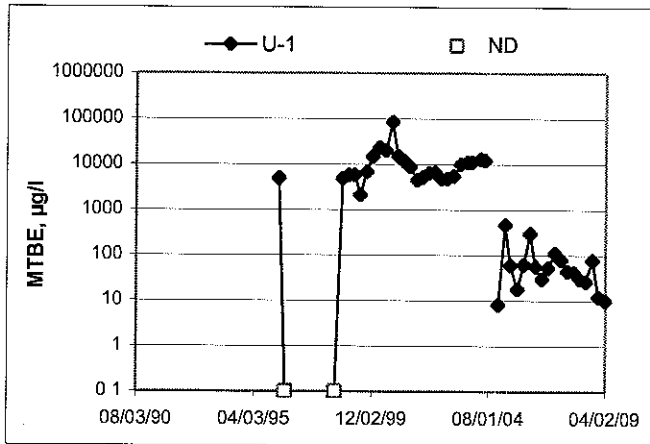


**Benzene Concentrations vs Time**  
76 Station 5325





MTBE Concentrations vs Time  
76 Station 5325



# GENERAL FIELD PROCEDURES

## **Groundwater Monitoring and Sampling Assignments**

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

## **Fluid Level Measurements**

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

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

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

## **Purging and Groundwater Parameter Measurement**

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

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

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

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

## **Groundwater Sample Collection**

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

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

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

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

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

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

## **Decontamination**

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

## **Exceptions**

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



## GROUNDWATER SAMPLING FIELD NOTES

Technician: Ricky H

Site: 5325

Project No.: 165521

Date: 03/26/09

Well No. U-6

Purge Method: Sub

Depth to Water (feet): 6.20

Depth to Product (feet):     

Total Depth (feet): 23.21

LPH & Water Recovered (gallons):     

Water Column (feet): 17.01

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 9.60

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	DO (mg/L)	ORP	Turbidity
<b>Pre-Purge</b>									
0634			3	239.6	14.3	8.29	1.67	39	
			6	323.1	14.5	7.62	1.81	-3	
	0641		9	237.8	14.7	7.51	1.71	-4	
Static at Time Sampled			Total Gallons Purged			Sample Time			
9.60			9			0647			
<b>Comments:</b>									

Well No. U-4

Purge Method: Sub

Depth to Water (feet): 7.21

Depth to Product (feet):     

Total Depth (feet): 19.27

LPH & Water Recovered (gallons):     

Water Column (feet): 12.03

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 9.62

1 Well Volume (gallons): 9

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	DO (mg/L)	ORP	Turbidity
<b>Pre-Purge</b>									
0658	<del>060706</del>		9	1019	17.2	7.09	2.96	17	
			18						
			24						
Static at Time Sampled			Total Gallons Purged			Sample Time			
12.51			15			0907			
<b>Comments:</b> well went dry at 15 gallons. did not recover in 45 mins, did not recover in 2 hrs.									

### GROUNDWATER SAMPLING FIELD NOTES

Technician: Rock/H.

Site: 5325

Project No.: 165521

Date: 03/25/09

Well No. U-3

Purge Method: Sub

Depth to Water (feet): 10.70

Depth to Product (feet): —

Total Depth (feet): 19.38

LPH & Water Recovered (gallons): —

Water Column (feet): 8.68

Casing Diameter (Inches): 3"

80% Recharge Depth(feet): 12.44

1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D O (mg/L)	ORP	Turbidity
Pre-Purge									
0715	0719		4	913.2	16.0	7.52	1.98	59	
			8						
			12						
Static at Time Sampled		Total Gallons Purged			Sample Time				
11.15		4			0845				
Comments: well went dry at 4 gallons. did not recover in 45 mins									

Well No. U-5

Purge Method: Sub

Depth to Water (feet): 6.20

Depth to Product (feet): —

Total Depth (feet): 20.05

LPH & Water Recovered (gallons): —

Water Column (feet): 13.85

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 8.97

1 Well Volume (gallons): 10

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D O (mg/L)	ORP	Turbidity
Pre-Purge									
0724			10	836.7	16.5	6.63	0.39	-88	
			20	1321	17.9	6.66	0.61	-99	
	0733		30	1247	17.1	6.79	0.53	-74	
Static at Time Sampled		Total Gallons Purged			Sample Time				
8.47		30			0715				
Comments:									

## GROUNDWATER SAMPLING FIELD NOTES

Technician: Rickey H.

Site: 5325

Project No: 165521

Date: 03/26/09

Well No. U-1

Purge Method: Sub

Depth to Water (feet): 7.55

Depth to Product (feet):           

Total Depth (feet): 13.46

LPH & Water Recovered (gallons):           

Water Column (feet): 5.91

Casing Diameter (Inches): 3"

80% Recharge Depth(feet): 8.73

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	DO (mg/L)	ORP	Turbidity
Pre-Purge									
0744	0744		3						
			6						
			9						
Static at Time Sampled			Total Gallons Purged			Sample Time			
8.01			2			0930			
Comments: <u>well went dry at 2 gallons, did not recover in 45 min</u>									

Well No. U-2

Purge Method: Sub

Depth to Water (feet): 5.17

Depth to Product (feet):           

Total Depth (feet): 20.04

LPH & Water Recovered (gallons):           

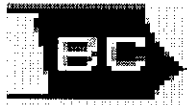
Water Column (feet): 14.87

Casing Diameter (Inches): 3"

80% Recharge Depth(feet): 8.14

1 Well Volume (gallons): 6

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	DO (mg/L)	ORP	Turbidity
Pre-Purge									
0754	0759		6	1205	16.8	6.40	1.56	-73	
			12						
			18						
Static at Time Sampled			Total Gallons Purged			Sample Time			
10.87			8			1015			
Comments: <u>well went dry at 8 gallons, did not recover in 45 mins, well did not recover in 2 hrs</u>									



**BC Laboratories, Inc.**

Environmental Testing Laboratory Since 1949

Date of Report: 04/08/2009

Anju Farfan

TRC

21 Technology Drive  
Irvine, CA 92618

RE: 5325

BC Work Order: 0904017

Invoice ID: B060031

Enclosed are the results of analyses for samples received by the laboratory on 3/26/2009. 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: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	Sampling Date:	Sample Depth:	Sample Matrix:	Delivery Work Order:	Global ID:	Location ID (FieldPoint):	Matrix:	Sample QC Type (SACode):	Cooler ID:
0904017-01	COC Number:	---		03/26/2009 22:15	03/26/2009 06:47	---	Water		T0600101463	U-6	W	CS	
	Project Number:	5325											
	Sampling Location:	---											
	Sampling Point:	U-6											
	Sampled By:	TRCI											
0904017-02	COC Number:	---		03/26/2009 22:15	03/26/2009 09:07	---	Water		T0600101463	U-4	W	CS	
	Project Number:	5325											
	Sampling Location:	---											
	Sampling Point:	U-4											
	Sampled By:	TRCI											
0904017-03	COC Number:	---		03/26/2009 22:15	03/26/2009 08:45	---	Water		T0600101463	U-3	W	CS	
	Project Number:	5325											
	Sampling Location:	---											
	Sampling Point:	U-3											
	Sampled By:	TRCI											
0904017-04	COC Number:	---		03/26/2009 22:15	03/26/2009 09:15	---	Water		T0600101463	U-5	W	CS	
	Project Number:	5325											
	Sampling Location:	---											
	Sampling Point:	U-5											
	Sampled By:	TRCI											

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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	Delivery Work Order:
0904017-05	COC Number:	---		03/26/2009 22:15	
	Project Number:	5325		Sampling Date: 03/26/2009 09:30	Global ID: T0600101463
	Sampling Location:	---		Sample Depth: ---	Location ID (FieldPoint): U-1
	Sampling Point:	U-1		Sample Matrix: Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0904017-06	COC Number:	---		03/26/2009 22:15	
	Project Number:	5325		Sampling Date: 03/26/2009 10:15	Global ID: T0600101463
	Sampling Location:	---		Sample Depth: ---	Location ID (FieldPoint): U-2
	Sampling Point:	U-2		Sample Matrix: Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Fartan

Reported: 04/08/2009 15:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0904017-01		Client Sample Name: 5325, U-6, 3/26/2009 6:47:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	2.5		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259	ND	A10,Z1
Ethylbenzene	ND	ug/L	2.5		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259	ND	A10,Z1
Methyl t-butyl ether	ND	ug/L	2.5		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259	ND	A10,Z1
Toluene	ND	ug/L	2.5		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259	ND	A10,Z1
Total Xylenes	ND	ug/L	5.0		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259	ND	A10,Z1
Ethanol	ND	ug/L	1200		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259	ND	A10,Z1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	250		Luft-GC/MS	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259	ND	A10,Z1
1,2-Dichloroethane-d4 (Surrogate)	101	%	76 - 114 (LCL - UCL)		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)		EPA-8260	04/03/09	04/04/09 18:52	KEA	MS-V12	5	BSD0259		

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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Water Analysis (General Chemistry)

BCL Sample ID: 0904017-01		Client Sample Name: 5325, U-6, 3/26/2009 6:47:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Nitrate as N	ND	mg/L	0.10		EPA-300.0	03/27/09	03/27/09 12:57	VH1	IC2	1	BSC1955	ND	
Iron (II) Species	540000	ug/L	50000		SM-3500-FeC	03/28/09	03/28/09 09:00	MSA	SPEC05	500	BSC1963	ND	A01
ortho-Phosphate	0.28	mg/L	0.050		EPA-365.1	03/27/09	03/27/09 09:56	TDC	KONE-1	1	BSC1895	ND	

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

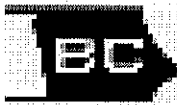
Reported: 04/08/2009 15:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0904017-02		Client Sample Name: 5325, U-4, 3/26/2009 9:07:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	1	BSC1987	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	1	BSC1987	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	1	BSC1987	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	i	BSC1987	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	i	BSC1987	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	1	BSC1987	ND	A40
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	03/31/09	03/31/09 17:41	KEA	MS-V12	1	BSC1987	ND	
1,2-Dichloroethane-d4 (Surrogate)	99.8	%	76 - 114 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	1	BSC1987		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	1	BSC1987		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 17:41	KEA	MS-V12	i	BSC1987		

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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Water Analysis (General Chemistry)

BCL Sample ID: 0904017-02		Client Sample Name: 5325, U-4, 3/26/2009 9:07:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Nitrate as N	4.4	mg/L	0.10		EPA-300.0	03/27/09	03/27/09 13:11	VH1	IC2	1	BSC1955	ND	
Iron (II) Species	ND	ug/L	100		SM-3500-FeI	03/28/09	03/28/09 09:00	MSA	SPEC05	i	BSC1963	ND	
ortho-Phosphate	0.37	mg/L	0.050		EPA-365.1	03/27/09	03/27/09 09:56	TDC	KONE-1	1	BSC1895	ND	



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Fartan

Reported: 04/08/2009 15:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0904017-03		Client Sample Name: 5325, U-3, 3/26/2009 8:45:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987	ND	A40
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987	ND	
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	i	BSC1987		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	1	BSC1987		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 17:16	KEA	MS-V12	1	BSC1987		

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Water Analysis (General Chemistry)

BCL Sample ID: 0904017-03		Client Sample Name: 5325, U-3, 3/26/2009 8:45:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Nitrate as N	4.8	mg/L	0.10		EPA-300.0	03/27/09	03/27/09 13:25	VH1	IC2	1	BSC1955	ND	
Iron (II) Species	ND	ug/L	100		SM-3500-FeI	03/28/09	03/28/09 09:00	MSA	SPEC05	i	BSC1963	ND	
ortho-Phosphate	0.66	mg/L	0.050		EPA-365.1	03/27/09	03/27/09 09:56	TDC	KONE-1	1	BSC1895	ND	

*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  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Fartan

Reported: 04/08/2009 15:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0904017-04		Client Sample Name: 5325, U-5, 3/26/2009 9:15:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987	ND	
<b>Methyl t-butyl ether</b>	<b>9.4</b>	<b>ug/L</b>	<b>0.50</b>		<b>EPA-8260</b>	<b>03/31/09</b>	<b>03/31/09 16:52</b>	<b>KEA</b>	<b>MS-V12</b>	<b>1</b>	<b>BSC1987</b>	<b>ND</b>	
Toluene	ND	ug/L	0.50		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987	ND	A40
<b>Total Purgeable Petroleum Hydrocarbons</b>	<b>310</b>	<b>ug/L</b>	<b>50</b>		<b>Luft-GC/MS</b>	<b>03/31/09</b>	<b>03/31/09 16:52</b>	<b>KEA</b>	<b>MS-V12</b>	<b>1</b>	<b>BSC1987</b>	<b>ND</b>	
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987		
4-Bromofluorobenzene (Surrogate)	99.1	%	86 - 115 (LCL - UCL)		EPA-8260	03/31/09	03/31/09 16:52	KEA	MS-V12	1	BSC1987		

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  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Water Analysis (General Chemistry)

<b>BCL Sample ID:</b>	0904017-04		<b>Client Sample Name:</b> 5325, U-5, 3/26/2009 9:15:00AM										
<b>Constituent</b>	<b>Result</b>	<b>Units</b>	<b>PQL</b>	<b>MDL</b>	<b>Method</b>	<b>Prep Date</b>	<b>Run Date/Time</b>	<b>Analyst</b>	<b>Instru-ment ID</b>	<b>Dilution</b>	<b>QC Batch ID</b>	<b>MB Bias</b>	<b>Lab Quals</b>
Nitrate as N	ND	mg/L	0.10		EPA-300.0	03/27/09	03/27/09 13:38	VH1	IC2	i	BSC1955	ND	
Iron (II) Species	990	ug/L	100		SM-3500-FeC	03/28/09	03/28/09 09:00	MSA	SPEC05	1	BSC1963	ND	
ortho-Phosphate	ND	mg/L	0.050		EPA-365.1	03/27/09	03/27/09 09:56	TDC	KONE-i	i	BSC1895	ND	

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0904017-05		Client Sample Name: 5325, U-1; 3/26/2009 9:30:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	2.5		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987	ND	A01
Ethylbenzene	72	ug/L	2.5		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987	ND	A01
Methyl t-butyl ether	10	ug/L	2.5		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987	ND	A01
Toluene	ND	ug/L	2.5		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987	ND	A01
<b>Total Xylenes</b>	<b>6.5</b>	<b>ug/L</b>	<b>5.0</b>		<b>EPA-8260</b>	<b>03/31/09</b>	<b>04/01/09 01:17</b>	<b>KEA</b>	<b>MS-V12</b>	<b>5</b>	<b>BSC1987</b>	<b>ND</b>	<b>A01</b>
Ethanol	ND	ug/L	1200		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987	ND	A01,A40
<b>Total Purgeable Petroleum Hydrocarbons</b>	<b>5700</b>	<b>ug/L</b>	<b>250</b>		<b>Luft-GC/MS</b>	<b>03/31/09</b>	<b>04/01/09 01:17</b>	<b>KEA</b>	<b>MS-V12</b>	<b>5</b>	<b>BSC1987</b>	<b>ND</b>	<b>A01</b>
1,2-Dichloroethane-d4 (Surrogate)	90.4	%	76 - 114 (LCL - UCL)		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987		
4-Bromofluorobenzene (Surrogate)	96.2	%	86 - 115 (LCL - UCL)		EPA-8260	03/31/09	04/01/09 01:17	KEA	MS-V12	5	BSC1987		

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  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Water Analysis (General Chemistry)

BCL Sample ID: 0904017-05		Client Sample Name: 5325, U-1, 3/26/2009 9:30:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Nitrate as N	ND	mg/L	0.10		EPA-300.0	03/27/09	03/27/09 14:19	VH1	IC2	1	BSC1955	ND	
Iron (II) Species	2400	ug/L	100		SM-3500-FeC	03/28/09	03/28/09 09:00	MSA	SPEC05	1	BSC1963	ND	
ortho-Phosphate	0.11	mg/L	0.050		EPA-365.1	03/27/09	03/27/09 09:56	TDC	KONE-1	1	BSC1895	ND	



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Fartan

Reported: 04/08/2009 15:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0904017-06		Client Sample Name: 5325, U-2, 3/26/2009 10:15:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	8.9	ug/L	2.5		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987	ND	A01
Ethylbenzene	47	ug/L	2.5		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987	ND	A01
Methyl t-butyl ether	150	ug/L	2.5		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987	ND	A01
Toluene	ND	ug/L	2.5		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987	ND	A01
Total Xylenes	22	ug/L	5.0		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987	ND	A01
Ethanol	ND	ug/L	1200		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987	ND	A01,A40
Total Purgeable Petroleum Hydrocarbons	5200	ug/L	250		Luft-GC/MS	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	92.3	%	76 - 114 (LCL - UCL)		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987		
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987		
4-Bromofluorobenzene (Surrogate)	96.2	%	86 - 115 (LCL - UCL)		EPA-8260	03/31/09	04/01/09 00:53	KEA	MS-V12	5	BSC1987		

*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  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

### Water Analysis (General Chemistry)

BCL Sample ID: 0904017-06		Client Sample Name: 5325, U-2, 3/26/2009 10:15:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Nitrate as N	ND	mg/L	0.10		EPA-300.0	03/27/09	03/27/09 14:33	VH1	IC2	1	BSC1955	ND	
Iron (II) Species	2600	ug/L	100		SM-3500-FeC	03/28/09	03/28/09 09:00	MSA	SPEC05	1	BSC1963	ND	
ortho-Phosphate	ND	mg/L	0.050		EPA-365.i	03/27/09	03/27/09 09:58	TDC	KONE-i	i	BSC1895	ND	

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Fartan

Reported: 04/08/2009 15:27

## 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		Lab Quals
										RPD	Percent Recovery	
Benzene	BSC1987	Matrix Spike	0903406-50	0	21.260	25.000	ug/L		85.0		70 - 130	
		Matrix Spike Duplicate	0903406-50	0	20.140	25.000	ug/L	5.3	80.6	20	70 - 130	
Toluene	BSC1987	Matrix Spike	0903406-50	0	25.460	25.000	ug/L		102		70 - 130	
		Matrix Spike Duplicate	0903406-50	0	22.670	25.000	ug/L	11.7	90.7	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BSC1987	Matrix Spike	0903406-50	ND	9.7400	10.000	ug/L		97.4		76 - 114	
		Matrix Spike Duplicate	0903406-50	ND	9.8300	10.000	ug/L		98.3		76 - 114	
Toluene-d8 (Surrogate)	BSC1987	Matrix Spike	0903406-50	ND	10.020	10.000	ug/L		100		88 - 110	
		Matrix Spike Duplicate	0903406-50	ND	10.010	10.000	ug/L		100		88 - 110	
4-Bromofluorobenzene (Surrogate)	BSC1987	Matrix Spike	0903406-50	ND	10.010	10.000	ug/L		100		86 - 115	
		Matrix Spike Duplicate	0903406-50	ND	9.7600	10.000	ug/L		97.6		86 - 115	
Benzene	BSD0259	Matrix Spike	0903406-60	0	25.500	25.000	ug/L		102		70 - 130	
		Matrix Spike Duplicate	0903406-60	0	25.090	25.000	ug/L	2.0	100	20	70 - 130	
Toluene	BSD0259	Matrix Spike	0903406-60	0	25.470	25.000	ug/L		102		70 - 130	
		Matrix Spike Duplicate	0903406-60	0	23.780	25.000	ug/L	7.0	95.1	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BSD0259	Matrix Spike	0903406-60	ND	9.4800	10.000	ug/L		94.8		76 - 114	
		Matrix Spike Duplicate	0903406-60	ND	9.2300	10.000	ug/L		92.3		76 - 114	
Toluene-d8 (Surrogate)	BSD0259	Matrix Spike	0903406-60	ND	10.000	10.000	ug/L		100		88 - 110	
		Matrix Spike Duplicate	0903406-60	ND	9.8900	10.000	ug/L		98.9		88 - 110	
4-Bromofluorobenzene (Surrogate)	BSD0259	Matrix Spike	0903406-60	ND	9.7600	10.000	ug/L		97.6		86 - 115	
		Matrix Spike Duplicate	0903406-60	ND	9.6600	10.000	ug/L		96.6		86 - 115	

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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

## Water Analysis (General Chemistry)

### Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Spike Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
										RPD	Percent Recovery	
ortho-Phosphate	BSC1895	Duplicate	0904017-01	0.27860	0.27603		mg/L	0.9		10		
		Matrix Spike	0904017-01	0.27860	0.95022	0.64547	mg/L		104		90 - 110	
		Matrix Spike Duplicate	0904017-01	0.27860	0.95056	0.64547	mg/L	0	104	10	90 - 110	
Nitrate as N	BSC1955	Duplicate	0904016-02	0.056000	ND		mg/L			10		
		Matrix Spike	0904016-02	0.056000	5.0687	5.0505	mg/L		99.3		80 - 120	
		Matrix Spike Duplicate	0904016-02	0.056000	5.0576	5.0505	mg/L	0.3	99.0	10	80 - 120	
Iron (II) Species	BSC1963	Duplicate	0904017-02	21.429	ND		ug/L			10		

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC 21 Technology Drive Irvine, CA 92618	Project: 5325 Project Number: 4511030514 Project Manager: Anju Farfan	Reported: 04/08/2009 15:27
--	---	----------------------------

## 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	BSC1987	BSC1987-BS1	LCS	20.060	25.000	0.50	ug/L	80.2		70 - 130		
Toluene	BSC1987	BSC1987-BS1	LCS	21.500	25.000	0.50	ug/L	86.0		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSC1987	BSC1987-BS1	LCS	10.090	10.000		ug/L	101		76 - 114		
Toluene-d8 (Surrogate)	BSC1987	BSC1987-BS1	LCS	10.070	10.000		ug/L	101		88 - 110		
4-Bromofluorobenzene (Surrogate)	BSC1987	BSC1987-BS1	LCS	9.9000	10.000		ug/L	99.0		86 - 115		
Benzene	BSD0259	BSD0259-BS1	LCS	24.640	25.000	0.50	ug/L	98.6		70 - 130		
Toluene	BSD0259	BSD0259-BS1	LCS	23.470	25.000	0.50	ug/L	93.9		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSD0259	BSD0259-BS1	LCS	10.030	10.000		ug/L	100		76 - 114		
Toluene-d8 (Surrogate)	BSD0259	BSD0259-BS1	LCS	10.010	10.000		ug/L	100		88 - 110		
4-Bromofluorobenzene (Surrogate)	BSD0259	BSD0259-BS1	LCS	9.7900	10.000		ug/L	97.9		86 - 115		

*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.  
 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
 Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Fartan

Reported: 04/08/2009 15:27

### Water Analysis (General Chemistry)

#### 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	
ortho-Phosphate	BSC1895	BSC1895-BS1	LCS	0.62574	0.61320	0.050	mg/L	102		90 - 110		
Nitrate as N	BSC1955	BSC1955-BS1	LCS	4.8700	5.0000	0.10	mg/L	97.4		90 - 110		
Iron (II) Species	BSC1963	BSC1963-BS1	LCS	2003.9	2000.0	100	ug/L	100		90 - 110		

*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  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

## 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	BSC1987	BSC1987-BLK1	ND	ug/L	0.50		
Ethylbenzene	BSC1987	BSC1987-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BSC1987	BSC1987-BLK1	ND	ug/L	0.50		
Toluene	BSC1987	BSC1987-BLK1	ND	ug/L	0.50		
Total Xlenes	BSC1987	BSC1987-BLK1	ND	ug/L	1.0		
Ethanol	BSC1987	BSC1987-BLK1	ND	ug/L	250		
Total Purgeable Petroleum Hydrocarbons	BSC1987	BSC1987-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BSC1987	BSC1987-BLK1	93.8	%		76 - 114 (LCL - UCL)	
Toluene-d8 (Surrogate)	BSC1987	BSC1987-BLK1	102	%		88 - 110 (LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BSC1987	BSC1987-BLK1	97.3	%		86 - 115 (LCL - UCL)	
Benzene	BSD0259	BSD0259-BLK1	ND	ug/L	0.50		
Ethylbenzene	BSD0259	BSD0259-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BSD0259	BSD0259-BLK1	ND	ug/L	0.50		
Toluene	BSD0259	BSD0259-BLK1	ND	ug/L	0.50		
Total Xlenes	BSD0259	BSD0259-BLK1	ND	ug/L	1.0		
Ethanol	BSD0259	BSD0259-BLK1	ND	ug/L	250		
Total Purgeable Petroleum Hydrocarbons	BSD0259	BSD0259-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BSD0259	BSD0259-BLK1	88.4	%		76 - 114 (LCL - UCL)	
Toluene-d8 (Surrogate)	BSD0259	BSD0259-BLK1	99.4	%		88 - 110 (LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BSD0259	BSD0259-BLK1	97.1	%		86 - 115 (LCL - UCL)	

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Fartan

Reported: 04/08/2009 15:27

## Water Analysis (General Chemistry)

### Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
ortho-Phosphate	BSC1895	BSC1895-BLK1	ND	mg/L	0.050		
Nitrate as N	BSC1955	BSC1955-BLK1	ND	mg/L	0.10		
Iron (II) Species	BSC1963	BSC1963-BLK1	ND	ug/L	100		

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 5325  
Project Number: 4511030514  
Project Manager: Anju Farfan

Reported: 04/08/2009 15:27

**Notes And Definitions**

- MDL Method Detection Limit
- ND Analyte Not Detected at or above the reporting limit
- PQL Practical Quantitation Limit
- RPD Relative Percent Difference
- A01 PQL's and MDL's are raised due to sample dilution.
- A10 PQL's and MDL's were raised due to matrix interference.
- A40 Initial calibration linearity criteria not met.
- Z1 Sample was a foamer.

*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.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A

Submission #: 090407

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: .98 Container: QA Thermometer ID: 74463  
 Temperature: A 2.9 °C / C 2.7 °C

2220  
 Date/Time 03-26-09  
 Analyst Init ALW

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL		A526				RAW 3/26				
PT PE UNPRESERVED	A	A13C				A13				
OT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
20% NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A13	A13	A13	A13	A13				
OT EPA 413.1, 413.2, #18.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL 504										
OT EPA 508/608/8080										
OT EPA 515.1/8150										
OT EPA 525										
OT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
OT EPA 548										
OT EPA 549										
OT EPA 632										
OT EPA 8015M										
OT AMBER										
8 OZ. JAR										
31 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

CHK BY ALW DISTRIBUTION   
 SUB-OUT

SHORT HOLDING TIME  
 C<sup>+</sup> NO<sub>2</sub>  NO<sub>3</sub>  OF SS  
 DO Cl<sub>2</sub> BOD MBAS COT

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: ALW Date/Time: 03-26-09

A = Actual / C = Corrected

2340

Submission #: 0904017

**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: \_\_\_\_\_  
In tact? Yes  No  In tact? Yes  No

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

COC Received  YES  NO  
 Emissivity: .98 Container: PTP Thermometer ID: TH163 2220  
 Temperature: A 1.6 °C / C 1.6 °C Date/Time 03-26-09  
 Analyst Init ALM

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/GENERAL PHYSICAL										
PT PE UNPRESERVED	B		BC	BC	BC					
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
26% NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PLA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 503/608/8080										
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: ALM Date/Time: 03-26-09  
 A = Actual / C = Corrected

2366

**BC LABORATORIES, INC.**

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

**CHAIN OF CUSTODY**

0904017

**Analysis Requested**

Bill to: Conoco Phillips/ TRC		Consultant Firm: TRC		MATRIX (GW) Ground- water (S) Soil (WW) Waste- water (SL) Sludge	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ oxygenates	BTEX/MTBE BY 8260B	ETHANOL by 8260B	TPH -G by GC/MS	Ferrous Iron Nitrate	ortho-phosphate	Turnaround Time Requested
Address: 3220 Lakeshore Ave		21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan												
City: Oakland		4-digit site#: 5325												
State: CA Zip:		Workorder # 01394-4511030514												
Conoco Phillips Mgr: Terry Grayson		Project #: 165521												
		Sampler Name: Ricky H.												

Lab#	Sample Description	Field Point Name	Date & Time Sampled											
-1	U-6		03/26/09 0647	GW					X	X	X	X	X	STD
-2	U-4		0907											
-3	V-3		0845											
-4	U-5		0915											
-5	U-1		0930											
-6	U-2		1015											

Comments: Run 8 OXYS 8260 on all MTBE hits  GLOBAL ID: T0600101463 (Please preserve for Ferrous Iron)	Relinquished by: (Signature) <i>[Signature]</i>	Received by: in Refrigerator	Date & Time 03/26/09 1130
	Relinquished by: (Signature) <i>[Signature]</i>	Received by: Ricky H.	Date & Time 3-26-09 1500
	Relinquished by: (Signature) Ricky H. 3-26-09 2215	Received by: <i>[Signature]</i>	Date & Time 3-26-09 2215

TO REORDER CALL PROFORMA SOLUTIONS FOR PRINTING • (661) 633-1117 781489



## **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.