

  
76 Broadway  
Sacramento, California 95818

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1:53 pm, Jul 23, 2008

Alameda County  
Environmental Health

October 16, 2007

Ms. Donna Drogos  
Alameda County Health Agency  
1131 Harbor Bay Parkway  
Alameda, California 94502

Re: **Semi-Annual Summary Report – Second Quarter through Third Quarter 2007**

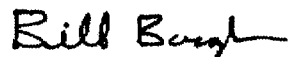
76 Service Station No. 5760  
376 Lewelling Boulevard  
San Lorenzo, California

Dear Ms. Drogos:

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

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

Sincerely,



Bill Borgh  
Site Manager – Risk Management and Remediation

Attachment

October 16, 2007

Ms. Donna Drogos  
Alameda County Health Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502



**Re: Semi-Annual Summary Report – Second Quarter  
through Third Quarter 2007**  
Delta Project No. C1Q-5760-603

Dear Ms. Drogos:

On behalf of ConocoPhillips Company (COP), Delta Consultants (Delta) is submitting the Semi-Annual Summary Report – Second Quarter through Third Quarter 2007 and forwarding a copy of TRC's *Semi-Annual Monitoring Report, April through September 2007*, dated September 29, 2007, for the following location:

**Service Station**

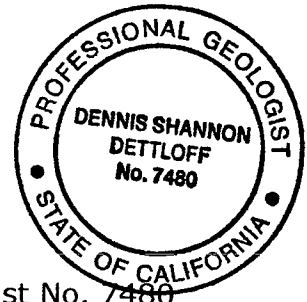
76 Service Station No. 5760

**Location**

376 Lewelling Boulevard  
San Lorenzo, California

Sincerely,  
**Delta Consultants**

Dennis S. Dettloff, P.G.  
Senior Project Manager  
California Registered Professional Geologist No. 7480



cc: Mr. William Borgh, ConocoPhillips (electronic copy)

**SEMI-ANNUAL SUMMARY REPORT**  
**Second Quarter through Third Quarter 2007**  
**76 Service Station No. 5760**  
**376 Lewelling Boulevard**  
**San Lorenzo, California**

## **SITE DESCRIPTION**

The site is located at the southeast corner of the intersection of Lewelling Boulevard and Usher Street in San Lorenzo California. The site is currently an active service station with two fuel dispenser islands, one underground waste-oil tank, two underground gasoline storage tanks (USTs), and a station building with two mechanic's bays.

## **PREVIOUS ASSESSMENT**

The underground storage tanks (USTs) were removed and replaced in November 1987. At that time monitoring well U-1 was installed in response to the petroleum hydrocarbon impact observed during the UST replacement. Information on the installation of well U-1 is documented in a report *Well Installation* prepared by Woodward-Clyde Consultants dated March 25, 1988.

Three additional monitoring wells (U-2, U-3 and U-4) were installed in August 1990 by GeoStrategies Incorporated (GSI). The installation of these monitoring wells is documented in a report *Monitoring Well Installation Report* prepared by GSI dated November 16, 1990.

In March 1992 GSI installed four off-site monitoring wells (U-5 through U-8) to further delineate the petroleum hydrocarbon impact to the groundwater. The installation of these monitoring wells is documented in a report *Well Installation Report* prepared by GSI dated June 15, 1992.

An additional off-site monitoring well, U-9, was installed by GSI in May 1993. The installation of this monitoring well is documented in a report *Well Installation Report* prepared by GSI dated August 9, 1993.

In September 1993, twelve borings were advanced as part of a property divestment program. Due to petroleum hydrocarbon impacted soils encountered, three of the borings were converted to soil vapor extraction (SVE) wells.

In March 1994, the delineation of the petroleum hydrocarbon-impacted soils was completed with the advancement of two additional soil borings.

Between August 8 and 13, 1994, a SVE feasibility test was conducted by Pacific Environmental Group (PEG). The results of the test indicated SVE to be an applicable technology for remediation of petroleum hydrocarbons from soil and groundwater beneath the site.

In September 1995 a combination SVE and groundwater treatment (GWT) system was constructed at the site. Start-up activities for the GWT system began on October 3, 1995. SVE system start-up and continuous GWT operation began in mid-October 1995.

In July 2007 Delta abandoned monitoring wells U-1 and U-3 and replaced them with monitoring wells U-1R and U-3R.

### **SENSITIVE RECEPTOR SURVEY**

In 2006 Delta personnel reviewed the public records of the Alameda County Assessors office to obtain a list of parcel numbers, property owner's names, and addresses of properties within a 1,000-foot radius of the site. A Public Health Assessment Questionnaire (Questionnaire) presenting specific queries regarding the presence of sensitive receptors was mailed to each property owner. One Hundred Sixty Four questionnaires were mailed on April 25, 2006. Delta received thirteen responses. Four of the surveys were returned by the post office due to invalid addresses.

A well is not present on any of the eight respondent properties and none of the properties have sumps.

Delta also reviewed the public records of the Department of Water Resources to obtain a list of parcel numbers, property owner's names, and addresses of potential receptors within a one-mile radius of the site. Questionnaires were mailed to addresses on June 1, 2006. None of the questionnaires were returned to Delta.

Based on the U.S. Geological Survey Topographic Map for this area (San Leandro quadrangle, 1980), the nearest surface water body is San Lorenzo Creek located approximately 500 feet southeast to southwest of the site.

Delta personnel searched for nearby schools, daycare centers, and hospitals within the 1,000-foot radius of the site. No hospitals, daycare centers or schools were identified within the search radius during Delta's search.

### **MONITORING AND SAMPLING**

Groundwater sampling began in the second quarter 1988. In the first quarter 1990, quarterly monitoring and sampling began and continued at quarterly intervals until March 1996 when the frequency changed to semi-annual. Monitoring wells U-2 and U-4 are currently monitored and not sampled. Monitoring wells U-5, and U-9 are sampled during the first quarter only. Groundwater samples are analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethyl-benzene, and total xylenes (BTEX), methyl tertiary butyl ether (MTBE), and ethanol by Environmental Protection Agency Method 8260.

Monitoring and sampling activities were conducted on July 6, 2007 using monitor wells U-3, U-6, and U-8. Monitoring wells U-2 and U-4 were monitored only. Monitoring well U-1 had a crane over it and well U-7 had a car over the well so they were not sampled. Monitoring wells U-5 and U-9 are sampled first quarter only. On August 10, 2007 TRC returned to the site and purged and sampled the newly installed monitoring wells U-1R and U-3R.

## **REMEDIATION STATUS**

In September 1995 a combination SVE and groundwater treatment (GWT) system was constructed at the site. Start-up activities for the GWT system began on October 3, 1995. SVE system start-up and continuous GWT operation began in mid-October 1995.

The system continued to operate until February 1997 when it was shut down due to diminishing incremental benefit.

Active remediation is not currently being conducted at the site.

## **CHARACTERIZATION STATUS**

The extent of the petroleum hydrocarbon impact to the soil has been adequately delineated. The groundwater petroleum hydrocarbon plume, composed primarily of TPHg, is considered stable and located in the southwest portion of the property.

During the most recent groundwater monitoring event, conducted on July 6 and August 10, 2007, depth to groundwater ranged from 14.63 feet (U-9) to 17.80 feet (U-2) below top of casing (TOC). The groundwater flow direction was interpreted to be to the southwest at a gradient of 0.003 foot per foot (ft/ft). Historic groundwater flow directions are shown in a rose diagram presented as Attachment A.

### **Contaminants of Concern:**

- **TPHg:** Total petroleum hydrocarbons as gasoline (TPHg) was reported above the laboratories indicated reporting limit in monitoring wells U-1R, U-3R, and U-6 at 36,000 µg/L, 290 µg/L, and 79 µg/L, respectively.
- **Benzene:** Benzene was reported above the laboratories indicated reporting limit in monitoring well U-1R at 7.2 µg/L.
- **MTBE:** MTBE was below the laboratories indicated reporting limits in all of the monitoring wells purged and sampled during the most recent monitoring event.

Toluene and ethyl-benzene were reported above the laboratories indicated reporting limits in monitoring well U-1R at 8.3 µg/L and 2,200 µg/L, respectively. Total xylenes were reported above the laboratories indicated reporting limits in monitoring wells U-1R and U-3R at 10,000 µg/L and 0.99 µg/L, respectively. Ethanol was below the laboratories indicated reporting limit in all of the monitoring wells purged and sampled during the most recent monitoring event.

## **RECENT CORRESPONDENCE**

Delta submitted a *Monitoring Well Abandonment and Replacement Report* to the Alameda County Health Agency (ACHA) on August 27, 2007 describing the completion of work Delta proposed in a workplan submitted on December 16, 2006.

**ACTIVITIES CONDUCTED (Second Quarter through Third Quarter 2007)**

1. TRC conducted the semi-annual monitoring and sampling event at the site.
2. Delta abandoned monitoring wells U-1 and U-3 and replaced them with monitoring wells U-1R and U-3R on July 18 and 19, 2007.
3. Delta had Morrow Surveying survey the site on August 23, 2007.
4. Delta submitted a report for the abandonment and replacement of monitoring wells U-1 and U-3 to the ACHA on August 27, 2007.

**WASTE DISPOSAL SUMMARY**

Filter Recycling Services, Inc. picked up and disposed of approximately 1,500 lbs of non-hazardous soil and 50 gallons of non-hazardous water from the site on August 14, 2007.

**NEXT QUARTER ACTIVITIES (Fourth Quarter 2007 through First Quarter 2008)**

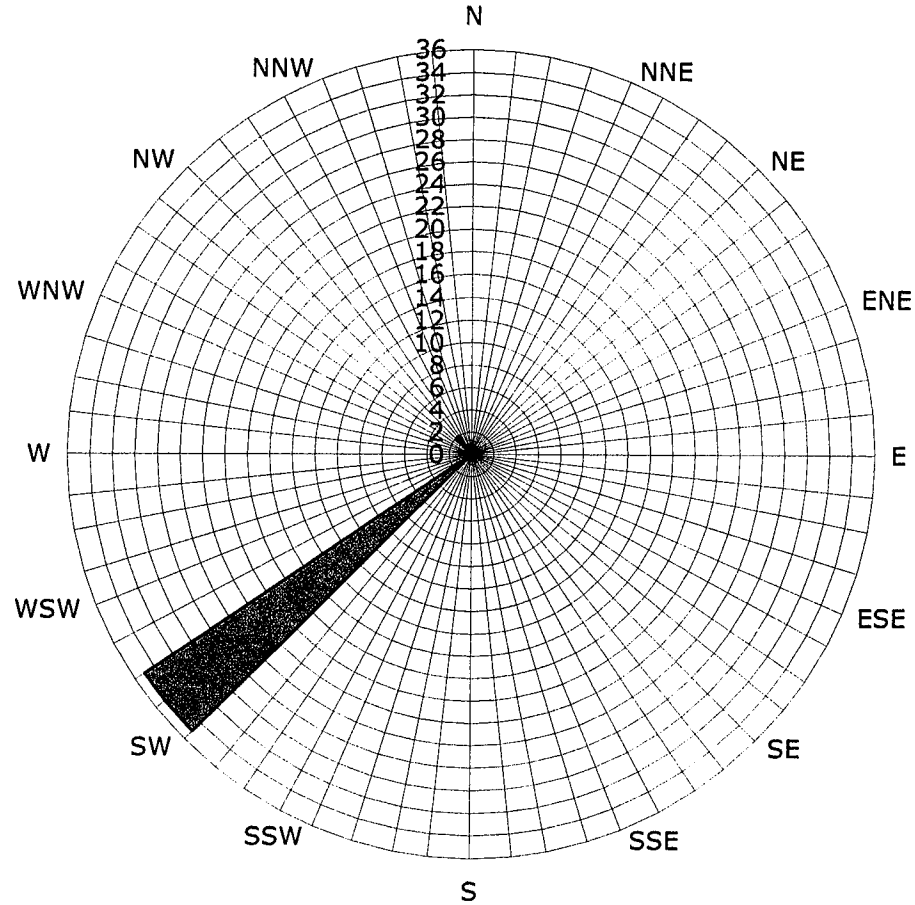
1. TRC will conduct the next semi-annual monitoring and sampling event at the site.

**CONSULTANT:** Delta Consultants

Attachment A – Historic Groundwater Flow Directions

**Attachment A**  
**Historic Groundwater Flow Directions**

**Historic Groundwater Flow Directions**  
**ConocoPhillips Site No. 5760**  
376 Lewelling Boulevard  
San Lorenzo, California



Legend  
Concentric circles represent  
quarterly monitoring  
events  
Fourth Quarter 1990  
through Third  
Quarter 2007  
38 data points shown

Groundwater Flow Direction

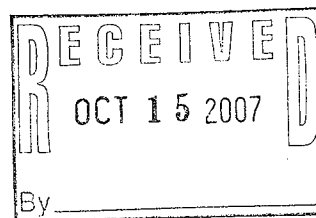




21 Technology Drive  
Irvine, CA 92618

949.727.9336 PHONE  
949.727.7399 FAX

www.TRCSolutions.com



DATE: September 29, 2007

TO: ConocoPhillips Company  
76 Broadway  
Sacramento, CA 95818

ATTN: MR. BILL BORGH

SITE: 76 STATION 5760  
376 LEWELLING BOULEVARD  
SAN LORENZO, CALIFORNIA

RE: SEMI-ANNUAL MONITORING REPORT  
APRIL THROUGH SEPTEMBER 2007

Dear Mr. Borgh:

Please find enclosed our Semi-Annual Monitoring Report for 76 Station 5760, located at 376 Lewelling Boulevard, San Lorenzo, California. If you have any questions regarding this report, please call us at (949) 727-9336.

Sincerely,

TRC

Anju Farfan  
Groundwater Program Operations Manager

CC: Mr. Dennis Dettloff, Delta Environmental (1 copy)

Enclosures  
20-0400/5760R09.QMS

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

76 STATION 5760  
376 Lewelling Boulevard  
San Lorenzo, California

Prepared For:

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

By:



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Senior Project Geologist, Irvine Operations

Date: 9/29/07



## 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
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 Benzene Concentrations vs. Time
Field Activities	General Field Procedures Field Monitoring Data Sheet – 7/6/07, 8/10/07 Groundwater Sampling Field Notes – 7/6/07, 8/10/07 Statement of Non-Completion – 7/6/07
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

**Summary of Gauging and Sampling Activities**  
**April through September 2007**  
**76 Station 5760**  
**376 Lewelling Road**  
**San Lorenzo, CA**

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

Water Sampling Contractor: **TRC**  
Compiled by: **Daniel Lee**

Date(s) of Gauging/Sampling Event: **7/6/07**

**Sample Points**

Groundwater wells: **4** onsite, **5** offsite      Wells gauged: **9**      Wells sampled: **5**  
Purging method: **Diaphragm pump**  
Purge water disposal: **Onyx/Rodeo Unit 100**  
Other Sample Points: **0**      Type: **n/a**

**Liquid Phase Hydrocarbons (LPH)**

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

**Hydrogeologic Parameters**

Depth to groundwater (below TOC):      Minimum: **14.63 feet**      Maximum: **17.8 feet**  
Average groundwater elevation (relative to available local datum): **25.18 feet**  
Average change in groundwater elevation since previous event: **0.96 feet**  
Interpreted groundwater gradient and flow direction:  
    Current event: **0.003 ft/ft, southwest**  
    Previous event: **0.003 ft/ft, southwest (3/9/07)**

**Selected Laboratory Results**

Wells with detected **Benzene**: **1**      Wells above MCL (1.0 µg/l): **1**  
    Maximum reported benzene concentration: **7.2 µg/l (U-1R)**  
Wells with **TPH-G by GC/MS** **4**      Maximum: **36,000 µg/l (U-1R)**  
Wells with **MTBE 8260B** **0**

**Notes:**

U-1=Abandoned on 7/18/07, U-1R=Gauged and sampled on 8/10/07, U-2=Monitored Only, U-3=Abandoned on 7/19/07, U-3R=Gauged and sampled on 8/10/07, U-4=Monitored Only, U-5=Sampled Q1 only, U-7=Car over well, U-9=Sampled Q1 only,

# TABLES

## TABLE KEY

### STANDARD ABBREVIATIONS

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

### ANALYTES

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

### NOTES

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

### REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 5760 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 5760**

**Current Event**

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

Table 2	Well/ Date	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
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Table 2a	Well/ Date	TBA	Ethanol (8260B)	Ethylene- dibromide (EDB)	DIPE	ETBE	TAME	1,1-DCA	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen
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**Table 1**  
**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 6, 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-1</b>	<b>(Screen Interval in feet: 10.5-30.5)</b>													
7/6/07	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned on 7/18/07
<b>U-1R</b>	<b>(Screen Interval in feet: 10-25)</b>													
7/6/07	42.65	17.24	0.00	25.41	--	--	36000	7.2	8.3	2200	10000	--	ND<0.50	Gauged and sampled on 8/10/07
<b>U-2</b>	<b>(Screen Interval in feet: 15.0-30.0)</b>													
7/6/07	43.65	17.80	0.00	25.85	1.30	--	--	--	--	--	--	--	--	Monitored Only
<b>U-3</b>	<b>(Screen Interval in feet: 15.0-25.0)</b>													
7/6/07	39.26	16.17	0.00	23.09	-1.12	--	390	ND<0.50	ND<0.50	11	16	--	ND<0.50	Abandoned on 7/19/07
<b>U-3R</b>	<b>(Screen Interval in feet: 10-25)</b>													
7/6/07	41.58	16.29	0.00	25.29	--	--	290	ND<0.50	ND<0.50	ND<0.50	0.99	--	ND<0.50	Gauged and sampled on 8/10/07
<b>U-4</b>	<b>(Screen Interval in feet: 15.0-28.0)</b>													
7/6/07	42.69	17.15	0.00	25.54	1.29	--	--	--	--	--	--	--	--	Monitored Only
<b>U-5</b>	<b>(Screen Interval in feet: 15.0-30.0)</b>													
7/6/07	41.74	16.23	0.00	25.51	1.30	--	--	--	--	--	--	--	--	Sampled Q1 only
<b>U-6</b>	<b>(Screen Interval in feet: 13.0-28.0)</b>													
7/6/07	40.07	14.76	0.00	25.31	1.30	--	79	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>U-7</b>	<b>(Screen Interval in feet: 15.0-35.0)</b>													
7/6/07	39.50	--	--	--	--	--	--	--	--	--	--	--	--	Car over well
<b>U-8</b>	<b>(Screen Interval in feet: 15.0-30.0)</b>													
7/6/07	40.95	15.44	0.00	25.51	1.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>U-9</b>	<b>(Screen Interval in feet: 13.0-28.0)</b>													
7/6/07	39.72	14.63	0.00	25.09	1.33	--	--	--	--	--	--	--	--	Sampled Q1 only



**Table 1 a**  
**ADDITIONAL CURRENT ANALYTICAL RESULTS**  
**76 Station 5760**

Date Sampled	Ethanol (8260B)
(µg/l)	
<b>U-1R</b>	
7/6/07	ND<250
<b>U-3</b>	
7/6/07	ND<250
<b>U-3R</b>	
7/6/07	ND<250
<b>U-6</b>	
7/6/07	ND<250
<b>U-8</b>	
7/6/07	ND<250

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-1 (Screen Interval in feet: 10.5-30.5)</b>														
2/9/88	--	--	--	--	--	93000	--	3600	11000	--	20000	--	--	
3/20/90	--	--	--	--	--	36000	--	2100	5500	1900	9300	--	--	
6/5/90	--	--	--	--	--	46000	--	2300	5500	2500	11000	--	--	
8/24/90	--	--	--	--	--	27000	--	1200	1800	1400	5500	--	--	
12/5/90	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
3/4/91	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
6/3/91	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
9/19/91	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
12/4/91	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
3/5/92	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
4/7/92	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
8/6/92	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
11/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
2/12/93	--	--	--	--	--	70000	--	2200	8400	3100	18000	--	--	
6/4/93	40.51	16.72	0.00	23.79	--	35000	--	1300	5700	900	9200	--	--	
9/9/93	40.51	17.77	0.00	22.74	-1.05	67000	--	2900	18000	6200	32000	--	--	
12/2/93	40.20	18.36	0.01	21.85	-0.89	--	--	--	--	--	--	--	--	Not sampled due to free product

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-1 continued</b>														
3/9/94	40.20	17.20	0.00	23.00	1.15	45000	--	930	4100	2000	11000	--	--	
6/9/94	40.20	17.42	0.00	22.78	-0.22	59000	--	5200	1300	5200	15000	--	--	
9/7/94	40.20	18.17	0.00	22.03	-0.75	41000	--	1600	6200	3100	16000	--	--	
12/5/94	40.20	16.67	0.00	23.53	1.50	1300	--	55	20	16	330	--	--	
3/9/95	40.20	15.82	0.00	24.38	0.85	49000	--	860	3200	1900	10000	1500	--	
6/13/95	40.20	14.70	0.00	25.50	1.12	53000	--	1400	5000	2500	14000	2800	--	
9/12/95	40.01	16.77	0.00	23.24	-2.26	43000	--	910	2700	1700	9600	1400	--	
12/14/95	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/20/96	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/22/96	40.20	--	--	--	--	13000	--	200	590	640	4000	790	--	
9/24/96	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/27/97	40.20	15.29	0.00	24.91	--	1300	--	8	ND	ND	400	ND	--	
9/23/97	40.20	17.20	0.00	23.00	-1.91	2000	--	15	ND	ND	530	ND	--	
3/10/98	40.20	12.68	0.00	27.52	4.52	2200	--	19	4.8	ND	980	38	--	
9/4/98	40.20	16.84	0.00	23.36	-4.16	5300	--	53	ND	410	620	ND	--	
3/4/99	40.20	13.04	0.00	27.16	3.80	1500	--	19	ND	56	110	310	--	
9/13/99	40.20	17.14	0.00	23.06	-4.10	5850	--	32.7	ND	520	925	ND	--	
3/21/00	40.20	14.36	0.00	25.84	2.78	4820	--	17.4	7.74	297	1370	ND	--	
9/18/00	40.20	16.72	0.00	23.48	-2.36	647	--	6.44	ND	22.3	6.86	22.2	--	
10/13/00	40.20	16.85	0.00	23.35	-0.13	--	--	--	--	--	--	--	29	
3/16/01	40.20	15.84	0.00	24.36	1.01	4950	--	1.73	1.77	429	536	613	--	
9/4/01	40.20	17.16	0.00	23.04	-1.32	11000	--	25	ND<10	1100	1800	370	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-1 continued</b>														
3/18/02	40.20	15.60	--	24.60	1.56	8100	--	ND<20	ND<20	740	1300	ND<200	--	
9/17/02	40.20	17.35	0.00	22.85	-1.75	--	4200	ND<2.5	ND<2.5	120	43	--	280	
3/28/03	40.20	15.72	0.00	24.48	1.63	--	560	ND<0.50	ND<0.50	0.96	ND<1.0	--	69	
9/5/03	40.20	16.77	--	23.43	-1.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2	
3/4/04	40.20	14.64	0.00	25.56	2.13	--	20000	ND<20	ND<20	1900	8300	--	ND<80	
9/9/04	40.20	16.64	0.00	23.56	-2.00	--	22000	ND<20	ND<20	1800	6100	--	ND<20	
3/1/05	40.20	14.70	0.00	25.50	1.94	--	25000	ND<13	ND<13	1900	6800	--	ND<13	
8/2/05	40.20	15.44	0.00	24.76	-0.74	--	11000	ND<10	ND<10	780	2600	--	ND<10	
1/20/06	40.20	14.66	0.00	25.54	0.78	--	65000	5.0	ND<0.50	5000	18000	--	2.6	
7/11/06	40.20	15.01	0.00	25.19	-0.35	--	9200	ND<50	ND<50	680	2400	--	ND<50	
3/9/07	40.20	15.52	0.00	24.68	-0.51	--	15000	6.7	ND<5.0	890	3200	--	ND<5.0	
7/6/07	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned on 7/18/07
<b>U-1R</b>	<b>(Screen Interval in feet: 10-25)</b>													
7/6/07	42.65	17.24	0.00	25.41	--	--	36000	7.2	8.3	2200	10000	--	ND<0.50	Gauged and sampled on 8/10/07
<b>U-2</b>	<b>(Screen Interval in feet: 15.0-30.0)</b>													
8/23/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/5/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
3/4/91	--	--	--	--	--	ND	--	ND	0.9	ND	2.6	--	--	
6/3/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
9/19/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/4/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
3/5/92	--	--	--	--	--	ND	--	ND	0.36	ND	ND	--	--	
4/7/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-2 continued</b>														
8/6/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/4/93	41.62	17.59	0.00	24.03	--	ND	--	ND	ND	ND	ND	--	--	
9/9/93	41.62	18.68	0.00	22.94	-1.09	ND	--	ND	ND	ND	ND	--	--	
12/2/93	41.26	19.23	0.00	22.03	-0.91	ND	--	ND	ND	ND	ND	--	--	
3/9/94	41.26	18.05	0.00	23.21	1.18	62	--	1.1	5.4	1.1	9.7	--	--	
4/13/94	41.26	18.18	0.00	23.08	-0.13	ND	--	ND	ND	ND	ND	--	--	
6/9/94	41.26	18.26	0.00	23.00	-0.08	ND	--	ND	ND	ND	ND	--	--	
9/7/94	41.26	19.28	0.00	21.98	-1.02	ND	--	ND	0.63	ND	0.61	--	--	
12/5/94	41.26	18.82	0.00	22.44	0.46	ND	--	ND	ND	ND	ND	--	--	
3/9/95	41.26	16.96	0.00	24.30	1.86	ND	--	ND	ND	ND	ND	ND	--	
6/13/95	41.26	16.71	0.00	24.55	0.25	ND	--	ND	ND	ND	ND	ND	--	
9/12/95	41.26	17.80	0.00	23.46	-1.09	ND	--	ND	ND	ND	ND	ND	--	
12/14/95	41.26	18.18	0.00	23.08	-0.38	ND	--	ND	ND	ND	ND	ND	--	
3/20/96	41.26	15.02	0.00	26.24	3.16	--	--	--	--	--	--	--	--	
9/24/96	41.26	17.90	0.00	23.36	-2.88	--	--	--	--	--	--	--	--	
3/27/97	41.26	16.45	0.00	24.81	1.45	ND	--	ND	ND	ND	ND	ND	--	
9/23/97	41.26	18.40	0.00	22.86	-1.95	--	--	--	--	--	--	--	--	
3/10/98	41.26	13.79	0.00	27.47	4.61	ND	--	ND	ND	ND	ND	ND	--	
9/4/98	41.26	17.98	0.00	23.28	-4.19	--	--	--	--	--	--	--	--	
3/4/99	41.26	14.96	0.00	26.30	3.02	ND	--	ND	ND	ND	ND	ND	--	
9/13/99	41.26	18.25	0.00	23.01	-3.29	--	--	--	--	--	--	--	--	
3/21/00	41.26	15.54	0.00	25.72	2.71	ND	--	ND	ND	ND	ND	ND	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-2 continued</b>														
9/18/00	41.26	17.55	0.00	23.71	-2.01	--	--	--	--	--	--	--	--	
3/16/01	41.26	17.06	0.00	24.20	0.49	--	--	--	--	--	--	--	--	
9/4/01	41.26	18.39	0.00	22.87	-1.33	--	--	--	--	--	--	--	--	
3/18/02	41.26	16.87	--	24.39	1.52	--	--	--	--	--	--	--	--	
9/17/02	41.26	18.33	0.00	22.93	-1.46	--	--	--	--	--	--	--	--	
3/28/03	41.26	16.95	0.00	24.31	1.38	--	--	--	--	--	--	--	--	
9/5/03	41.26	18.00	0.00	23.26	-1.05	--	--	--	--	--	--	--	--	Monitored Only
3/4/04	41.26	16.17	0.00	25.09	1.83	--	--	--	--	--	--	--	--	Monitored Only
9/9/04	41.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible-car parked on well
3/1/05	41.26	--	--	--	--	--	--	--	--	--	--	--	--	Car parked on well
8/2/05	41.26	16.62	0.00	24.64	--	--	--	--	--	--	--	--	--	Monitored only
1/20/06	41.26	16.24	0.00	25.02	0.38	--	--	--	--	--	--	--	--	Monitored only
7/11/06	41.26	16.15	0.00	25.11	0.09	--	--	--	--	--	--	--	--	Monitored Only
3/9/07	41.26	16.71	0.00	24.55	-0.56	--	--	--	--	--	--	--	--	Monitored Only
7/6/07	43.65	17.80	0.00	25.85	1.30	--	--	--	--	--	--	--	--	Monitored Only
<b>U-3 (Screen Interval in feet: 15.0-25.0)</b>														
8/23/90	--	--	--	--	--	110000	--	4400	13000	2800	17000	--	--	
12/5/90	--	--	--	--	--	69000	--	1900	3500	1600	9800	--	--	
1/18/91	--	--	--	--	--	51000	--	1700	3100	1500	7500	--	--	
3/4/91	--	--	--	--	--	84000	--	1400	10000	2900	17000	--	--	
6/3/91	--	--	--	--	--	130000	--	5800	19000	4600	24000	--	--	
9/19/91	--	--	--	--	--	61000	--	3300	9700	2800	15000	--	--	
12/4/91	--	--	--	--	--	75000	--	2500	6100	1900	11000	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-3 continued</b>														
3/5/92	--	--	--	--	--	160000	--	5300	15000	5400	26000	--	--	
4/7/92	--	--	--	--	--	97000	--	6100	16000	5400	28000	--	--	
8/6/92	--	--	--	--	--	140000	--	5100	13000	5000	23000	--	--	
11/20/92	--	--	--	--	--	50000	--	3200	4700	1900	10000	--	--	
2/12/93	--	--	--	--	--	80000	--	3700	9400	3700	18000	--	--	
6/4/93	39.64	15.48	0.00	24.16	--	92000	--	2900	8700	4300	20000	--	--	
9/9/93	39.64	17.04	0.00	22.60	-1.56	110000	--	2800	10000	6500	31000	--	--	
12/2/93	39.26	17.55	0.00	21.71	-0.89	110000	--	3200	7700	5600	26000	--	--	
3/9/94	39.26	16.35	0.00	22.91	1.20	120000	--	4500	8300	5600	28000	--	--	
6/9/94	39.26	16.60	0.00	22.66	-0.25	120000	--	3300	6100	5200	26000	--	--	
9/7/94	39.26	17.61	0.00	21.65	-1.01	100000	--	2400	4900	4200	21000	--	--	
12/5/94	39.26	17.08	0.00	22.18	0.53	140000	--	3100	5100	4900	21000	--	--	
3/9/95	39.26	15.20	0.00	24.06	1.88	100000	--	2300	3300	4800	21000	54000	--	
6/13/95	39.26	15.11	0.00	24.15	0.09	64000	--	1700	1500	3800	18000	900	--	
9/12/95	39.26	16.11	0.00	23.15	-1.00	69000	--	1700	820	4000	19000	29000	--	
12/14/95	39.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/20/96	39.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/22/96	39.26	--	--	--	--	15000	--	150	490	480	3100	400	--	
9/24/96	39.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/27/97	39.26	14.77	0.00	24.49	--	110	--	ND	ND	ND	0.62	9.6	--	
9/23/97	39.26	16.74	0.00	22.52	-1.97	ND	--	ND	ND	ND	ND	ND	--	
3/10/98	39.26	12.18	0.00	27.08	4.56	ND	--	ND	ND	ND	3.1	ND	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
(feet)	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
<b>U-3 continued</b>														
9/4/98	39.26	16.46	0.00	22.80	-4.28	ND	--	ND	ND	1.2	2.3	ND	--	
3/4/99	39.26	13.48	0.00	25.78	2.98	ND	--	ND	ND	ND	ND	ND	--	
9/13/99	39.26	16.71	0.00	22.55	-3.23	ND	--	ND	1.77	ND	1.06	9.08	--	
3/21/00	39.26	13.87	--	25.39	2.84	18700	--	ND	ND	1290	4770	ND	--	
9/18/00	39.26	16.12	0.00	23.14	-2.25	ND	--	ND	ND	ND	ND	ND	--	
3/16/01	39.26	15.35	0.00	23.91	0.77	2310	--	ND	ND	184	618	ND	--	
9/4/01	39.26	16.71	0.00	22.55	-1.36	340	--	0.95	ND<0.50	8.1	18	ND<5.0	--	
3/18/02	39.26	15.11	--	24.15	1.60	6500	--	ND<10	ND<10	390	1400	ND<100	--	
9/17/02	39.26	17.67	0.00	21.59	-2.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.0	
3/28/03	39.26	15.25	0.00	24.01	2.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/5/03	39.26	16.30	0.00	22.96	-1.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
3/4/04	39.26	14.11	0.00	25.15	2.19	--	14000	ND<10	ND<10	940	3500	--	ND<40	
9/9/04	39.26	16.22	0.00	23.04	-2.11	--	1300	ND<2.5	ND<2.5	66	160	--	ND<2.5	
3/1/05	39.26	14.18	0.00	25.08	2.04	--	14000	ND<5.0	ND<5.0	690	2000	--	ND<5.0	
8/2/05	39.26	14.93	0.00	24.33	-0.75	--	6300	ND<2.5	ND<2.5	320	970	--	ND<2.5	
1/20/06	39.26	14.14	0.00	25.12	0.79	--	7600	ND<0.50	ND<0.50	390	890	--	ND<0.50	
7/11/06	39.26	14.52	0.00	24.74	-0.38	--	3800	ND<5.0	ND<5.0	190	420	--	ND<5.0	
3/9/07	39.26	15.05	0.00	24.21	-0.53	--	3800	ND<2.5	ND<2.5	130	240	--	ND<2.5	
7/6/07	39.26	16.17	0.00	23.09	-1.12	--	390	ND<0.50	ND<0.50	11	16	--	ND<0.50	Abandoned on 7/19/07
<b>U-3R (Screen Interval in feet: 10-25)</b>														
7/6/07	41.58	16.29	0.00	25.29	--	--	290	ND<0.50	ND<0.50	ND<0.50	0.99	--	ND<0.50	Gauged and sampled on 8/10/07
<b>U-4 (Screen Interval in feet: 15.0-28.0)</b>														
8/23/90	--	--	--	--	--	ND	--	ND	1.0	ND	1.8	--	--	



**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-4 continued</b>														
12/5/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
1/18/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
3/4/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/3/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
9/19/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/4/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
3/5/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/7/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/6/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/92	--	--	--	--	--	ND	--	ND	2.5	ND	ND	--	--	
2/12/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/4/93	40.53	16.73	0.00	23.80	--	ND	--	ND	ND	ND	ND	--	--	
9/9/93	40.53	16.89	0.00	23.64	-0.16	ND	--	ND	ND	ND	ND	--	--	
12/2/93	40.25	18.46	0.00	21.79	-1.85	ND	--	ND	ND	ND	2.6	--	--	
3/9/94	40.25	17.30	0.00	22.95	1.16	ND	--	1.4	4.7	1.1	8.1	--	--	
4/13/94	40.25	17.44	0.00	22.81	-0.14	ND	--	ND	ND	ND	ND	--	--	
6/9/94	40.25	17.53	0.00	22.72	-0.09	ND	--	ND	ND	ND	ND	--	--	
9/7/94	40.28	18.52	0.00	21.76	-0.96	ND	--	ND	1.1	ND	1.0	--	--	
12/5/94	40.28	18.08	0.00	22.20	0.44	ND	--	ND	ND	ND	ND	--	--	
3/9/95	40.28	16.16	0.00	24.12	1.92	ND	--	ND	ND	ND	ND	ND	--	
6/13/95	40.25	15.95	0.00	24.30	0.18	ND	--	ND	ND	ND	ND	2.7	--	
9/12/95	40.25	17.10	0.00	23.15	-1.15	ND	--	ND	ND	ND	ND	ND	--	
12/14/95	40.25	17.43	0.00	22.82	-0.33	ND	--	ND	ND	ND	ND	1.3	--	
3/20/96	40.25	14.93	0.00	25.32	2.50	--	--	--	--	--	--	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-4 continued</b>														
9/24/96	40.25	17.19	0.00	23.06	-2.26	--	--	--	--	--	--	--	--	
3/27/97	40.25	15.66	0.00	24.59	1.53	ND	--	ND	ND	ND	ND	ND	--	
9/23/97	40.25	17.69	0.00	22.56	-2.03	--	--	--	--	--	--	--	--	
3/10/98	40.25	12.99	0.00	27.26	4.70	ND	--	ND	ND	ND	ND	ND	--	
9/4/98	40.25	17.28	0.00	22.97	-4.29	--	--	--	--	--	--	--	--	
3/4/99	40.25	14.17	0.00	26.08	3.11	ND	--	ND	ND	ND	ND	ND	--	
9/13/99	40.25	17.55	0.00	22.70	-3.38	--	--	--	--	--	--	--	--	
3/21/00	40.25	14.74	0.00	25.51	2.81	ND	--	ND	ND	ND	ND	ND	--	
9/18/00	40.25	16.88	0.00	23.37	-2.14	--	--	--	--	--	--	--	--	
3/16/01	40.25	16.32	0.00	23.93	0.56	--	--	--	--	--	--	--	--	
9/4/01	40.25	17.70	0.00	22.55	-1.38	--	--	--	--	--	--	--	--	
3/18/02	40.25	16.08	--	24.17	1.62	--	--	--	--	--	--	--	--	
9/17/02	40.25	16.56	0.00	23.69	-0.48	--	--	--	--	--	--	--	--	
3/28/03	40.25	16.15	0.00	24.10	0.41	--	--	--	--	--	--	--	--	
9/5/03	40.25	17.20	0.00	23.05	-1.05	--	--	--	--	--	--	--	--	Monitored Only
3/4/04	40.25	15.39	0.00	24.86	1.81	--	--	--	--	--	--	--	--	Monitored Only
9/9/04	40.25	16.98	0.00	23.27	-1.59	--	--	--	--	--	--	--	--	Monitored Only
3/1/05	40.25	14.97	0.00	25.28	2.01	--	--	--	--	--	--	--	--	Monitor Only
8/2/05	40.25	15.82	0.00	24.43	-0.85	--	--	--	--	--	--	--	--	Monitored Only
1/20/06	40.25	15.04	0.00	25.21	0.78	--	--	--	--	--	--	--	--	Monitored only
7/11/06	40.25	15.38	0.00	24.87	-0.34	--	--	--	--	--	--	--	--	Monitored Only
3/9/07	40.25	16.00	0.00	24.25	-0.62	--	--	--	--	--	--	--	--	Monitored Only
7/6/07	42.69	17.15	0.00	25.54	1.29	--	--	--	--	--	--	--	--	Monitored Only

U-5 (Screen Interval in feet: 15.0-30.0)

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
(feet)	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
<b>U-5 continued</b>														
4/7/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/6/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/4/93	39.61	16.05	0.00	23.56	--	ND	--	ND	ND	ND	ND	--	--	
9/9/93	39.61	16.90	0.00	22.71	-0.85	ND	--	ND	ND	ND	ND	--	--	
12/2/93	39.31	17.66	0.00	21.65	-1.06	ND	--	ND	ND	ND	ND	--	--	
3/9/94	39.31	16.45	0.00	22.86	1.21	71	--	1.7	6.3	1.5	10	--	--	
4/13/94	39.31	16.64	0.00	22.67	-0.19	ND	--	ND	ND	ND	ND	--	--	
6/9/94	39.31	16.70	0.00	22.61	-0.06	ND	--	ND	ND	ND	ND	--	--	
9/7/94	39.31	17.73	0.00	21.58	-1.03	ND	--	ND	0.73	ND	0.84	--	--	
12/5/94	39.31	17.23	0.00	22.08	0.50	ND	--	ND	ND	ND	ND	--	--	
3/9/95	39.31	15.35	0.00	23.96	1.88	ND	--	ND	ND	ND	ND	ND	--	
6/13/95	39.31	15.16	0.00	24.15	0.19	ND	--	ND	ND	ND	ND	0.87	--	
9/12/95	39.31	16.30	0.00	23.01	-1.14	ND	--	ND	ND	ND	ND	ND	--	
12/14/95	39.31	16.56	0.00	22.75	-0.26	ND	--	ND	ND	ND	ND	ND	--	
3/20/96	39.31	14.07	0.00	25.24	2.49	--	--	--	--	--	--	--	--	
9/24/96	39.31	16.55	0.00	22.76	-2.48	--	--	--	--	--	--	--	--	
3/27/97	39.31	14.85	0.00	24.46	1.70	ND	--	ND	ND	ND	ND	ND	--	
9/23/97	39.31	16.90	0.00	22.41	-2.05	--	--	--	--	--	--	--	--	Sampled annually
3/10/98	39.31	12.21	0.00	27.10	4.69	ND	--	ND	ND	ND	ND	ND	--	
9/4/98	39.31	16.57	0.00	22.74	-4.36	--	--	--	--	--	--	--	--	
3/4/99	39.31	13.42	0.00	25.89	3.15	ND	--	ND	0.67	ND	ND	ND	--	
9/13/99	39.31	17.02	0.00	22.29	-3.60	--	--	--	--	--	--	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
(feet)	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
<b>U-5 continued</b>														
3/21/00	39.31	13.93	0.00	25.38	3.09	ND	--	ND	ND	ND	ND	ND	--	
9/18/00	39.31	16.17	0.00	23.14	-2.24	--	--	--	--	--	--	--	--	
3/16/01	39.31	15.51	0.00	23.80	0.66	ND	--	ND	ND	ND	ND	ND	--	
9/4/01	39.31	16.88	0.00	22.43	-1.37	--	--	--	--	--	--	--	--	
3/18/02	39.31	15.25	--	24.06	1.63	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
9/17/02	39.31	16.71	0.00	22.60	-1.46	--	--	--	--	--	--	--	--	Sampled annually
3/28/03	39.31	15.21	0.00	24.10	1.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/5/03	39.31	16.26	0.00	23.05	-1.05	--	--	--	--	--	--	--	--	Sampled annually
3/4/04	39.31	14.79	0.00	24.52	1.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/9/04	39.31	16.30	0.00	23.01	-1.51	--	--	--	--	--	--	--	--	Monitored Only
3/1/05	39.31	14.38	0.00	24.93	1.92	--	ND<50	ND<0.50	ND<0.50	0.53	2.0	--	ND<0.50	
8/2/05	39.31	15.02	0.00	24.29	-0.64	--	--	--	--	--	--	--	--	Sampled Annually
1/20/06	39.31	14.23	0.00	25.08	0.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/11/06	39.31	14.60	0.00	24.71	-0.37	--	--	--	--	--	--	--	--	Sampled Q1 only
3/9/07	39.31	15.10	0.00	24.21	-0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
7/6/07	41.74	16.23	0.00	25.51	1.30	--	--	--	--	--	--	--	--	Sampled Q1 only
<b>U-6 (Screen Interval in feet: 13.0-28.0)</b>														
4/7/92	--	--	--	--	--	6600	--	90	ND	820	1200	--	--	
8/6/92	--	--	--	--	--	9200	--	160	ND	360	150	--	--	
11/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
2/12/93	--	--	--	--	--	2600	--	27	ND	120	51	--	--	
6/4/93	37.94	14.45	0.00	23.49	--	13000	--	100	38	450	320	--	--	
9/9/93	37.94	15.56	0.00	22.38	-1.11	6300	--	29	ND	120	34	--	--	
12/2/93	37.68	16.08	0.00	21.60	-0.78	2100	--	12	1.6	21	1.1	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
(feet)	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
<b>U-6 continued</b>														
3/9/94	37.68	14.90	0.00	22.78	1.18	2200	--	11	8.2	24	16	--	--	
6/9/94	37.68	15.18	0.00	22.50	-0.28	2600	--	16	ND	29	ND	--	--	
9/7/94	37.68	16.20	0.00	21.48	-1.02	16004	--	ND	ND	ND	ND	--	--	
12/5/94	37.68	15.60	0.00	22.08	0.60	450	--	ND	ND	ND	ND	--	--	
3/9/95	37.68	13.74	0.00	23.94	1.86	2500	--	29	ND	70	120	320	--	
6/13/95	37.68	13.73	0.00	23.95	0.01	1300	--	ND	ND	20	46	5400	--	
9/12/95	37.68	14.85	0.00	22.83	-1.12	ND	--	ND	ND	ND	ND	6600	--	
12/14/95	37.68	14.89	0.00	22.79	-0.04	760	--	ND	ND	7	8.4	1100	--	
3/20/96	37.68	12.41	0.00	25.27	2.48	52	--	1.1	0.98	ND	0.75	1200	--	
9/24/96	37.68	15.06	0.00	22.62	-2.65	ND	--	ND	ND	ND	ND	750	--	
3/27/97	37.68	13.48	0.00	24.20	1.58	ND	--	ND	ND	ND	ND	150	--	
9/23/97	37.68	15.36	0.00	22.32	-1.88	66	--	0.81	ND	ND	ND	150	--	
3/10/98	37.68	10.90	0.00	26.78	4.46	ND	--	ND	ND	ND	ND	18	--	
9/4/98	37.68	14.85	0.00	22.83	-3.95	ND	--	ND	ND	ND	ND	ND	--	
3/4/99	37.68	12.10	0.00	25.58	2.75	ND	--	ND	ND	ND	ND	6.5	--	
9/13/99	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
3/21/00	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/18/00	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
3/16/01	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/4/01	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-6 continued</b>														
3/18/02	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/17/02	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/5/03	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/4/04	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
9/9/04	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/1/05	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate-Paved over
9/8/05	37.68	13.98	0.00	23.70	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	Paved over on 8/2/05
1/20/06	37.68	12.76	0.00	24.92	1.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/11/06	37.68	13.23	0.00	24.45	-0.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/9/07	37.68	13.67	0.00	24.01	-0.44	--	140	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
7/6/07	40.07	14.76	0.00	25.31	1.30	--	79	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>U-7 (Screen Interval in feet: 15.0-35.0)</b>														
4/7/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/6/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/4/93	37.49	14.17	0.00	23.32	--	ND	--	ND	ND	ND	ND	--	--	
9/9/93	37.49	15.23	0.00	22.26	-1.06	ND	--	ND	ND	ND	ND	--	--	
12/2/93	37.11	15.61	0.00	21.50	-0.76	ND	--	ND	ND	ND	ND	--	--	
3/9/94	37.11	14.45	0.00	22.66	1.16	ND	--	1.4	4.4	0.96	7.5	--	--	
4/13/94	37.11	14.63	0.00	22.48	-0.18	ND	--	ND	ND	ND	ND	--	--	
6/9/94	37.11	14.70	0.00	22.41	-0.07	ND	--	ND	ND	ND	ND	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-7 continued</b>														
9/7/94	37.11	15.72	0.00	21.39	-1.02	ND	--	ND	ND	ND	ND	--	--	
12/5/94	37.11	15.10	0.00	22.01	0.62	ND	--	ND	ND	ND	ND	--	--	
3/9/95	37.11	13.36	0.00	23.75	1.74	ND	--	ND	ND	ND	ND	ND	--	
6/13/95	37.11	13.33	0.00	23.78	0.03	ND	--	ND	ND	ND	ND	3.5	--	
9/12/95	37.11	14.40	0.00	22.71	-1.07	ND	--	ND	ND	ND	ND	ND	--	
12/14/95	37.11	14.39	0.00	22.72	0.01	ND	--	ND	ND	ND	ND	1.4	--	
3/20/96	37.11	11.96	0.00	25.15	2.43	--	--	--	--	--	--	--	--	
9/24/96	37.11	14.59	0.00	22.52	-2.63	--	--	--	--	--	--	--	--	
3/27/97	37.11	13.08	0.00	24.03	1.51	ND	--	ND	ND	ND	ND	ND	--	
9/23/97	37.11	14.90	0.00	22.21	-1.82	--	--	--	--	--	--	--	--	
3/10/98	37.11	10.46	0.00	26.65	4.44	ND	--	ND	ND	ND	ND	ND	--	
9/4/98	37.11	14.42	0.00	22.69	-3.96	--	--	--	--	--	--	--	--	
3/4/99	37.11	11.64	0.00	25.47	2.78	ND	--	ND	ND	ND	ND	6.6	--	
9/13/99	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
3/21/00	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/18/00	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
3/16/01	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/4/01	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/17/02	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/5/03	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
(feet)	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
<b>U-7 continued</b>														
3/4/04	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
9/9/04	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/1/05	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate-Paved over
9/8/05	37.11	13.59	0.00	23.52	--	--	ND<50	ND<0.50	0.89	ND<0.50	1.7	--	ND<0.50	Paved over on 8/2/05
1/20/06	37.11	12.33	0.00	24.78	1.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/11/06	37.11	12.84	0.00	24.27	-0.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/9/07	37.11	13.25	0.00	23.86	-0.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
7/6/07	39.50	--	--	--	--	--	--	--	--	--	--	--	--	Car over well
<b>U-8 (Screen Interval in feet: 15.0-30.0)</b>														
4/7/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/6/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/4/93	38.94	15.26	0.00	23.68	--	ND	--	ND	ND	ND	ND	--	--	
9/9/93	38.94	16.38	0.00	22.56	-1.12	ND	--	ND	ND	ND	ND	--	--	
12/2/93	38.57	16.80	0.00	21.77	-0.79	ND	--	ND	ND	ND	ND	--	--	
3/9/94	38.57	15.62	0.00	22.95	1.18	ND	--	1.2	3.7	0.79	6.1	--	--	
4/13/94	38.57	15.80	0.00	22.77	-0.18	ND	--	ND	0.78	ND	0.98	--	--	
6/9/94	38.57	15.86	0.00	22.71	-0.06	ND	--	ND	ND	ND	ND	--	--	
9/7/94	38.57	16.87	0.00	21.70	-1.01	ND	--	ND	ND	ND	ND	--	--	
12/5/94	38.57	16.32	0.00	22.25	0.55	ND	--	ND	ND	ND	ND	--	--	
3/9/95	38.57	14.56	0.00	24.01	1.76	ND	--	ND	ND	ND	ND	ND	--	
6/13/95	38.57	14.40	0.00	24.17	0.16	ND	--	ND	ND	ND	ND	ND	--	
9/12/95	38.57	15.50	0.00	23.07	-1.10	ND	--	ND	ND	ND	ND	ND	--	
12/14/95	38.57	15.67	0.00	22.90	-0.17	ND	--	ND	ND	ND	ND	ND	--	



**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
(feet)	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
<b>U-8 continued</b>														
3/20/96	38.57	13.25	0.00	25.32	2.42	--	--	--	--	--	--	--	--	
9/24/96	38.57	15.75	0.00	22.82	-2.50	--	--	--	--	--	--	--	--	
3/27/97	38.57	14.18	0.00	24.39	1.57	ND	--	ND	ND	ND	ND	ND	--	
9/23/97	38.57	16.05	0.00	22.52	-1.87	--	--	--	--	--	--	--	--	Sampled annually
3/10/98	38.57	11.63	0.00	26.94	4.42	ND	--	ND	ND	ND	ND	ND	--	
9/4/98	38.57	15.81	0.00	22.76	-4.18	--	--	--	--	--	--	--	--	
3/4/99	38.57	12.81	0.00	25.76	3.00	ND	--	ND	ND	ND	ND	ND	--	
9/13/99	38.57	16.37	0.00	22.20	-3.56	--	--	--	--	--	--	--	--	
3/21/00	38.57	13.25	0.00	25.32	3.12	ND	--	ND	ND	ND	ND	ND	--	
9/18/00	38.57	15.31	0.00	23.26	-2.06	--	--	--	--	--	--	--	--	
3/16/01	38.57	14.71	0.00	23.86	0.60	ND	--	ND	ND	ND	ND	ND	--	
9/4/01	38.57	16.01	0.00	22.56	-1.30	--	--	--	--	--	--	--	--	
3/18/02	38.57	14.46	--	24.11	1.55	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
9/17/02	38.57	15.93	0.00	22.64	-1.47	--	--	--	--	--	--	--	--	Sampled annually
3/28/03	38.57	14.40	0.00	24.17	1.53	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/5/03	38.57	15.46	0.00	23.11	-1.06	--	--	--	--	--	--	--	--	Sampled annually
3/4/04	38.57	13.98	0.00	24.59	1.48	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/9/04	38.57	15.53	0.00	23.04	-1.55	--	--	--	--	--	--	--	--	Monitored Only
3/1/05	38.57	13.56	0.00	25.01	1.97	--	ND<50	ND<0.50	ND<0.50	0.80	2.8	--	ND<0.50	
8/2/05	38.57	14.31	0.00	24.26	-0.75	--	--	--	--	--	--	--	--	Sampled annually
1/20/06	38.57	13.51	0.00	25.06	0.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/11/06	38.57	13.94	0.00	24.63	-0.43	--	--	--	--	--	--	--	--	Sampled Q1 only
3/9/07	38.57	14.40	0.00	24.17	-0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
7/6/07	40.95	15.44	0.00	25.51	1.34	--	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**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
(feet)	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
<b>U-9 (Screen Interval in feet: 13.0-28.0)</b>														
6/4/93	37.88	14.67	0.00	23.21	--	2100	--	ND	ND	ND	ND	--	--	
9/9/93	37.88	15.79	0.00	22.09	-1.12	1200	--	ND	ND	ND	ND	--	--	
12/2/93	37.31	15.93	0.00	21.38	-0.71	ND	--	ND	ND	ND	ND	--	--	
3/9/94	37.31	14.74	0.00	22.57	1.19	5700	--	ND	ND	ND	ND	--	--	
4/13/94	37.31	14.96	0.00	22.35	-0.22	ND	--	ND	ND	ND	ND	--	--	
6/9/94	37.31	15.05	0.00	22.26	-0.09	2900	--	ND	ND	ND	ND	--	--	
9/7/94	37.31	16.06	0.00	21.25	-1.01	2700	--	ND	ND	ND	ND	--	--	
12/5/94	37.31	15.43	0.00	21.88	0.63	3700	--	ND	ND	ND	ND	--	--	
3/9/95	37.31	13.50	0.00	23.81	1.93	2500	--	ND	ND	ND	ND	5800	--	
6/13/95	37.31	13.63	0.00	23.68	-0.13	ND	--	ND	ND	ND	ND	1200	--	
9/12/95	37.31	14.73	0.00	22.58	-1.10	ND	--	ND	ND	ND	ND	1600	--	
12/14/95	37.31	14.67	0.00	22.64	0.06	ND	--	ND	ND	ND	ND	4400	--	
3/20/96	37.31	12.27	0.00	25.04	2.40	ND	--	ND	ND	ND	ND	480	--	
9/24/96	37.31	14.92	0.00	22.39	-2.65	ND	--	ND	ND	ND	ND	ND	--	
3/27/97	37.31	13.36	0.00	23.95	1.56	ND	--	ND	ND	ND	ND	42	--	
9/23/97	37.31	15.28	0.00	22.03	-1.92	ND	--	ND	ND	ND	ND	ND	--	
3/10/98	37.31	10.86	0.00	26.45	4.42	ND	--	ND	ND	ND	3.1	ND	--	
9/4/98	37.31	15.03	0.00	22.28	-4.17	ND	--	ND	ND	ND	ND	ND	--	
3/4/99	37.31	11.95	0.00	25.36	3.08	ND	--	ND	ND	ND	ND	ND	--	
9/13/99	37.31	15.61	0.00	21.70	-3.66	ND	--	ND	1.67	ND	1.01	7.85	--	
3/21/00	37.31	12.38	0.00	24.93	3.23	ND	--	ND	ND	ND	ND	ND	--	
9/18/00	37.31	14.87	0.00	22.44	-2.49	ND	--	ND	1.42	ND	1.06	ND	--	
3/16/01	37.31	13.85	0.00	23.46	1.02	ND	--	ND	ND	ND	ND	ND	--	
9/4/01	37.31	15.22	0.00	22.09	-1.37	--	--	--	--	--	--	--	--	Sampled annually

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1988 Through July 2007**  
**76 Station 5760**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
<b>U-9 continued</b>														
3/18/02	37.31	13.56	--	23.75	1.66	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
9/17/02	37.31	15.14	0.00	22.17	-1.58	--	--	--	--	--	--	--	--	Sampled annually
3/28/03	37.31	13.61	0.00	23.70	1.53	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/5/03	37.31	14.64	0.00	22.67	-1.03	--	--	--	--	--	--	--	--	Sampled annually
3/4/04	37.31	13.07	0.00	24.24	1.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/9/04	37.31	14.75	0.00	22.56	-1.68	--	--	--	--	--	--	--	--	Monitored Only
3/1/05	37.31	12.68	0.00	24.63	2.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.1	
8/2/05	37.31	13.47	0.00	23.84	-0.79	--	--	--	--	--	--	--	--	Sampled annually
1/20/06	37.31	12.61	0.00	24.70	0.86	--	ND<50	ND<0.50	ND<0.50	0.78	2.8	--	ND<0.50	
7/11/06	37.31	13.10	0.00	24.21	-0.49	--	--	--	--	--	--	--	--	Sampled Q1 only
3/9/07	37.31	13.55	0.00	23.76	-0.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
7/6/07	39.72	14.63	0.00	25.09	1.33	--	--	--	--	--	--	--	--	Sampled Q1 only

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5760**

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	DIPE	ETBE	TAME	1,1-DCA	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)
<b>U-1</b>									
3/27/97	--	--	--	--	--	--	--	2.35	2.41
10/13/00	ND	ND	ND	ND	ND	ND	ND	--	--
9/17/02	ND<500	ND<2500	ND<10	ND<10	ND<10	ND<10	ND<10	--	--
9/5/03	--	ND<500	--	--	--	--	--	--	--
3/4/04	--	ND<20000	--	--	--	--	--	--	--
9/9/04	--	ND<2000	--	--	--	--	--	--	--
3/1/05	--	ND<1300	--	--	--	--	--	--	--
8/2/05	--	ND<1000	--	--	--	--	--	--	--
1/20/06	--	ND<250	--	--	--	--	--	--	--
7/11/06	--	ND<25000	--	--	--	--	--	--	--
3/9/07	--	ND<2500	--	--	--	--	--	--	--
<b>U-1R</b>									
7/6/07	--	ND<250	--	--	--	--	--	--	--
<b>U-2</b>									
3/27/97	--	--	--	--	--	--	--	4.49	4.36
<b>U-3</b>									
3/27/97	--	--	--	--	--	--	--	3.32	3.18
9/5/03	--	ND<500	--	--	--	--	--	--	--
3/4/04	--	ND<10000	--	--	--	--	--	--	--
9/9/04	--	ND<250	--	--	--	--	--	--	--
3/1/05	--	ND<500	--	--	--	--	--	--	--
8/2/05	--	ND<250	--	--	--	--	--	--	--
1/20/06	--	ND<250	--	--	--	--	--	--	--
7/11/06	--	ND<2500	--	--	--	--	--	--	--
3/9/07	--	ND<1200	--	--	--	--	--	--	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5760**

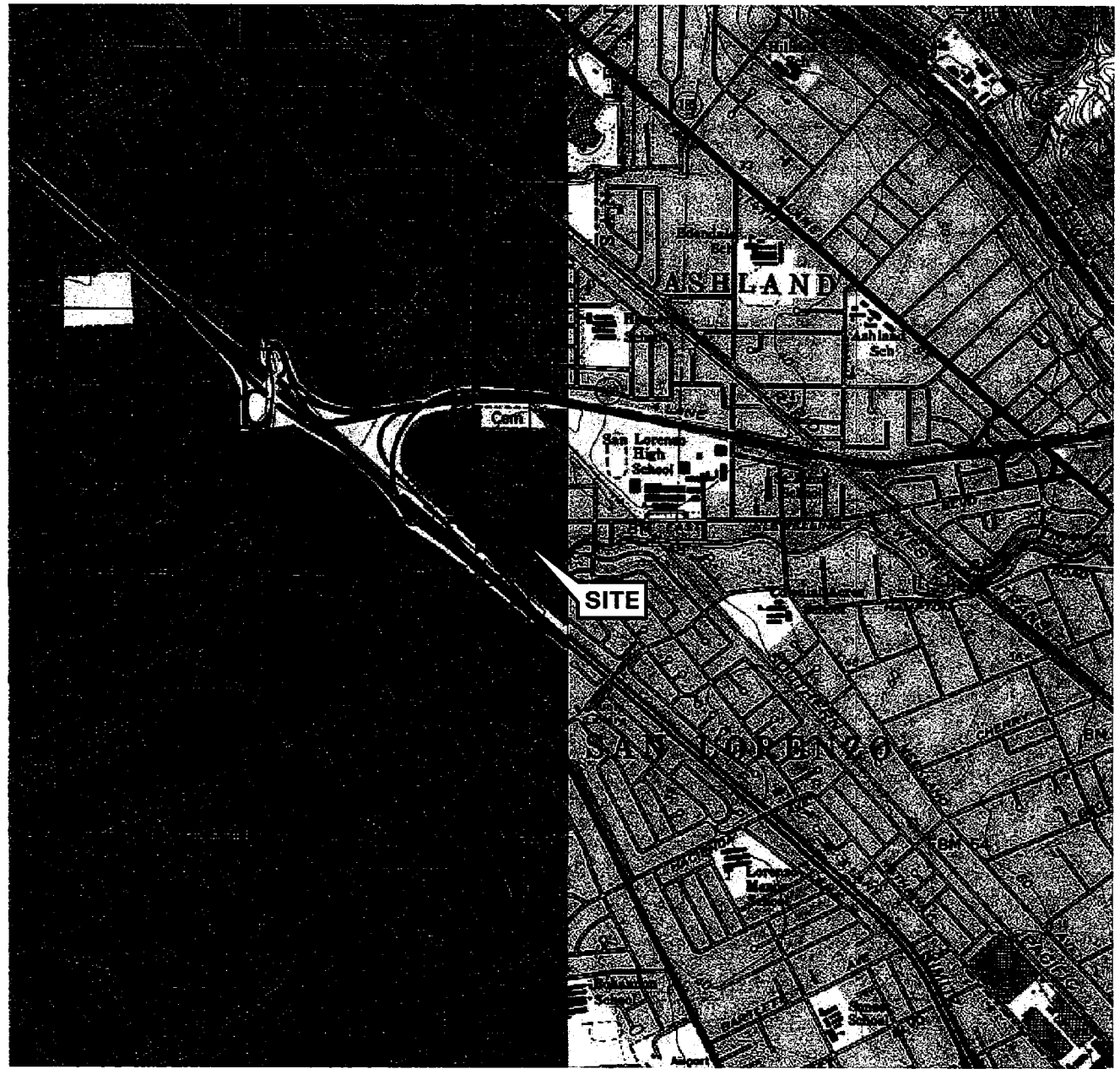
Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	1,1-DCA (µg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)
<b>U-3 continued</b>									
7/6/07	--	ND<250	--	--	--	--	--	--	--
<b>U-3R</b>									
7/6/07	--	ND<250	--	--	--	--	--	--	--
<b>U-4</b>									
3/27/97	--	--	--	--	--	--	--	3.26	3.32
<b>U-5</b>									
3/27/97	--	--	--	--	--	--	--	3.77	3.74
3/4/04	--	ND<500	--	--	--	--	--	--	--
3/1/05	--	ND<50	--	--	--	--	--	--	--
1/20/06	--	ND<250	--	--	--	--	--	--	--
3/9/07	--	ND<250	--	--	--	--	--	--	--
<b>U-6</b>									
3/20/96	--	--	--	--	--	--	--	3.89	3.85
9/24/96	--	--	--	--	--	--	--	3.81	3.73
3/27/97	--	--	--	--	--	--	--	4.36	4.43
9/23/97	--	--	--	--	--	--	--	4.14	--
3/10/98	--	--	--	--	--	--	--	3.95	--
9/8/05	--	ND<1000	--	--	--	--	--	--	--
1/20/06	--	ND<250	--	--	--	--	--	--	--
7/11/06	--	ND<250	--	--	--	--	--	--	--
3/9/07	--	ND<250	--	--	--	--	--	--	--
7/6/07	--	ND<250	--	--	--	--	--	--	--
<b>U-7</b>									
3/27/97	--	--	--	--	--	--	--	3.38	3.29
9/8/05	--	ND<1000	--	--	--	--	--	--	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5760**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	1,1-DCA (µg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)
<b>U-7 continued</b>									
1/20/06	--	ND<250	--	--	--	--	--	--	--
7/11/06	--	ND<250	--	--	--	--	--	--	--
3/9/07	--	ND<250	--	--	--	--	--	--	--
<b>U-8</b>									
3/27/97	--	--	--	--	--	--	--	3.11	3.04
3/4/04	--	ND<500	--	--	--	--	--	--	--
3/1/05	--	ND<50	--	--	--	--	--	--	--
1/20/06	--	ND<250	--	--	--	--	--	--	--
3/9/07	--	ND<250	--	--	--	--	--	--	--
7/6/07	--	ND<250	--	--	--	--	--	--	--
<b>U-9</b>									
3/20/96	--	--	--	--	--	--	--	4	4.02
9/24/96	--	--	--	--	--	--	--	3.98	3.85
3/27/97	--	--	--	--	--	--	--	3.57	3.65
9/23/97	--	--	--	--	--	--	--	3.8	--
3/10/98	--	--	--	--	--	--	--	3.62	--
3/4/04	--	ND<500	--	--	--	--	--	--	--
3/1/05	--	ND<50	--	--	--	--	--	--	--
1/20/06	--	ND<250	--	--	--	--	--	--	--
3/9/07	--	ND<250	--	--	--	--	--	--	--

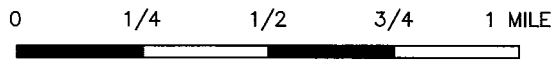
# FIGURES

PS-1:1 L:\DQMS VICINITY M A P SD5760.v.m.dwg Jul 20, 2007 - 9:46am cwong



SOURCE:

United States Geological Survey  
7.5 Minute Topographic Map:  
Hayward Quadrangle



SCALE 1: 24,000



PROJECT: 125703

FACILITY:


76 STATION 5760  
376 LEWELLING BOULEVARD  
SAN LORENZO, CALIFORNIA

VICINITY MAP

FIGURE 1



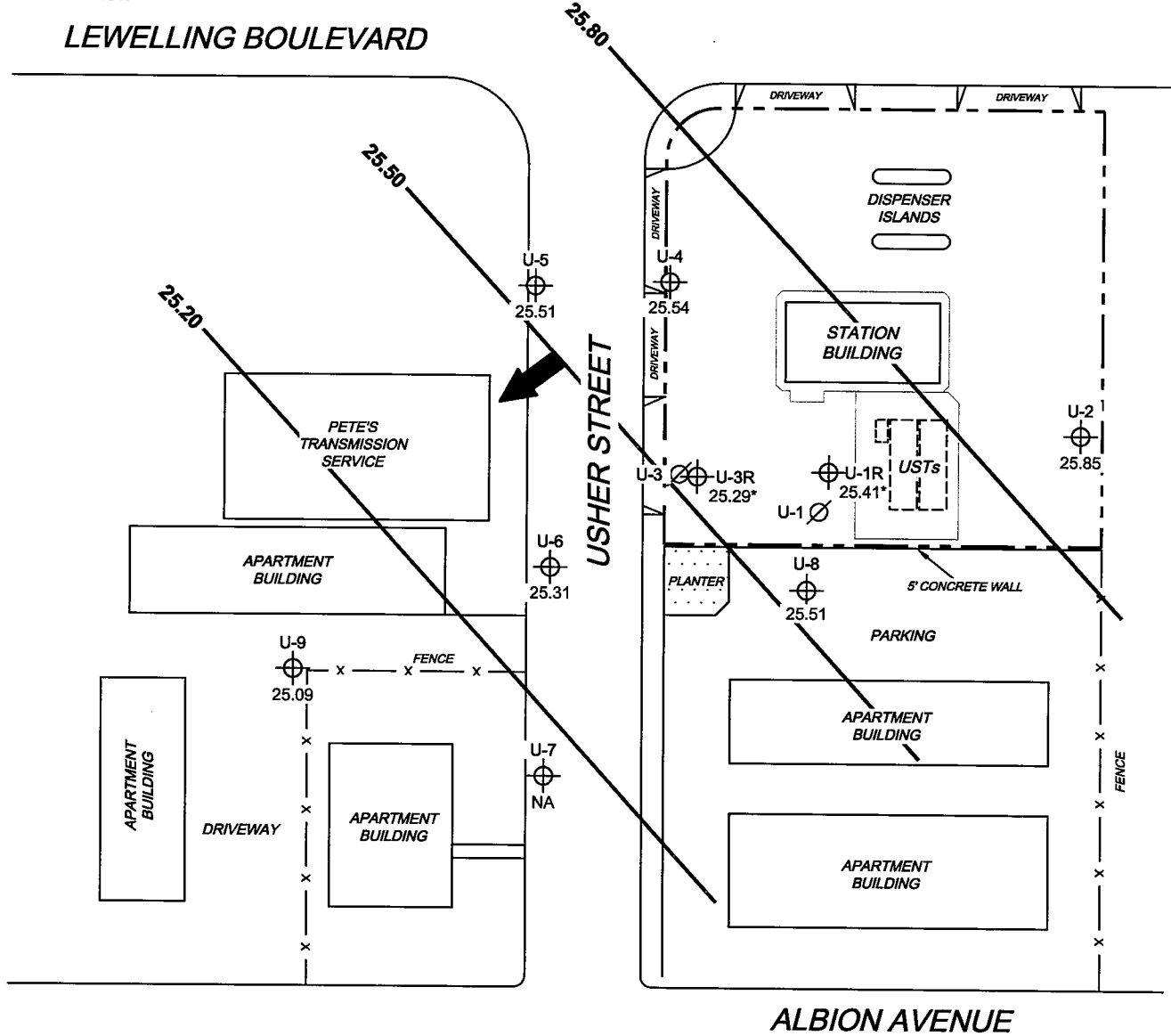
**LEGEND**

U-9  Monitoring Well with Groundwater Elevation (feet)

U-3  Abandoned Well

25.80  Groundwater Elevation Contour

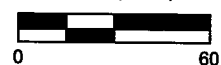
 General Direction of Groundwater Flow



**NOTES:**

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. NA = not analyzed, measured, or collected. UST = underground storage tank. \* = gauged on 8/10/07; not included in contour interpretation.

SCALE (FEET)



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MS=1:1 5760-003




PROJECT: 125703  
 FACILITY:  
 76 STATION 5760  
 376 LEWELLING BOULEVARD  
 SAN LORENZO, CALIFORNIA


**GROUNDWATER ELEVATION  
 CONTOUR MAP  
 July 6, 2007**

**FIGURE 2**

**LEGEND**

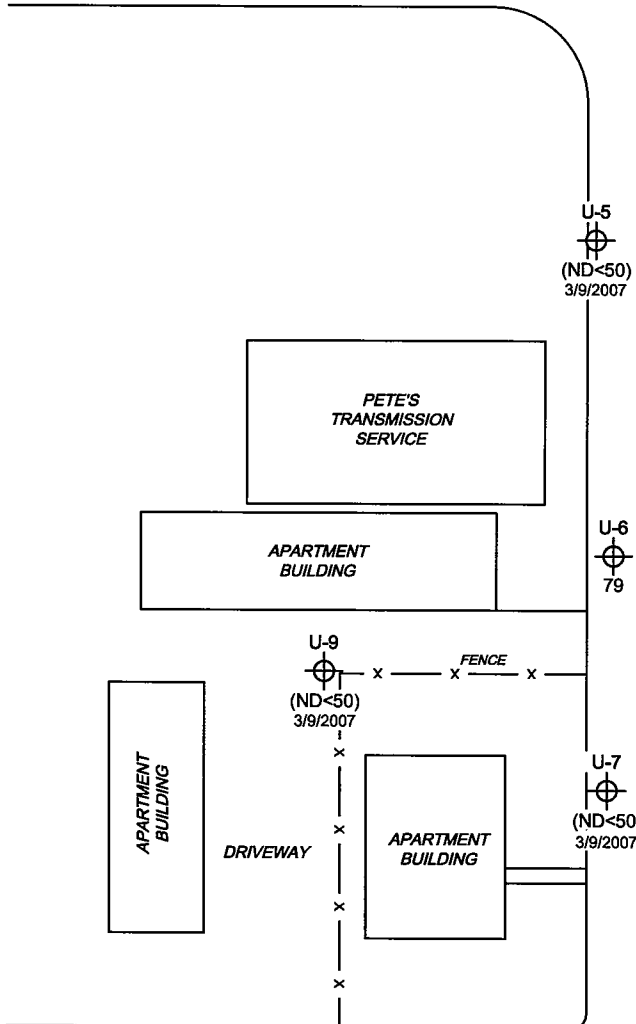
U-9  Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration (µg/l)

U-3  Abandoned Well

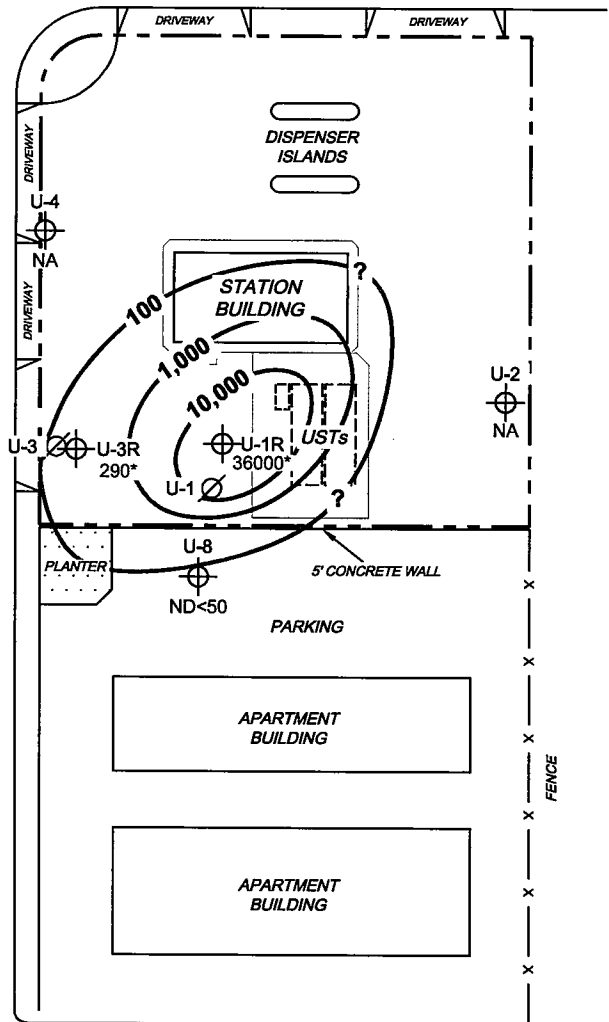
 10,000 — Dissolved-Phase TPH-G (GC/MS) Contour (µg/l)



**LEWELLING BOULEVARD**



**USHER STREET**



**ALBION AVENUE**

**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. NA = not analyzed, measured or collected. ( ) = representative historical value. UST = underground storage tank. \* = sampled on 8/10/07.

SCALE (FEET)



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MS=1:1 5760-003



PROJECT: 125703

FACILITY:  
76 STATION 5760  
376 LEWELLING BOULEVARD  
SAN LORENZO, CALIFORNIA

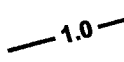
**DISSOLVED-PHASE TPH-G (GC/MS)  
CONCENTRATION MAP  
July 6, 2007**

**FIGURE 3**

**LEGEND**

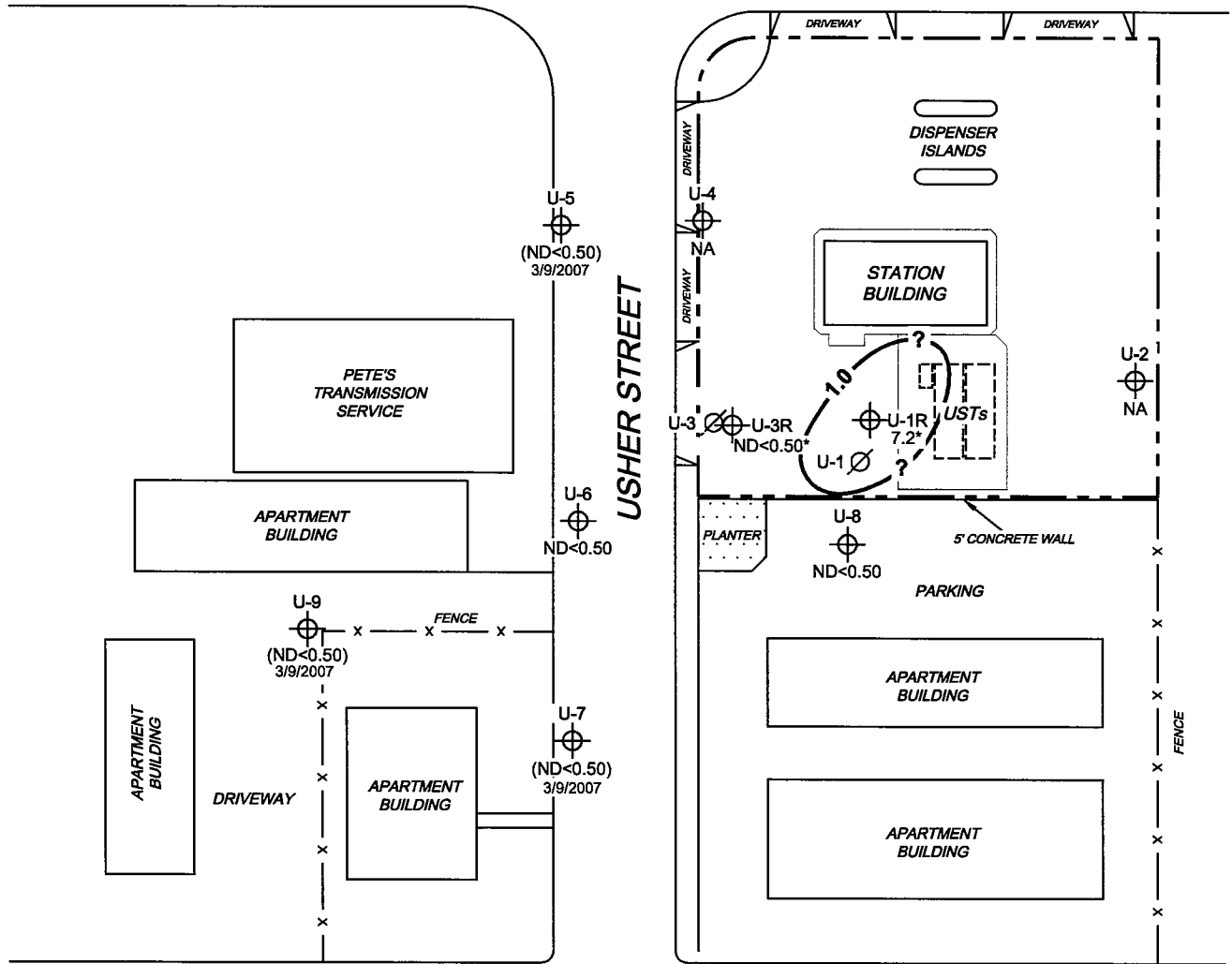
U-9  Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

U-3  Abandoned Well

 1.0 Dissolved-Phase Benzene Contour (µg/l)



**LEWELLING BOULEVARD**



**NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.  
 µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.  
 NA = not analyzed, measured or collected. ( ) = representative historical value.  
 UST = underground storage tank. \* = sampled on 8/10/07.

SCALE (FEET)



L:\Graphics\QMS NORTH-SOUTH\5000\5760-QMS(NEW).dwg Sep 27, 2007 - 10:11am ovluong

MS-1:1 5760-003



PROJECT: 125703  
 FACILITY:  
 76 STATION 5760  
 376 LEWELLING BOULEVARD  
 SAN LORENZO, CALIFORNIA

**DISSOLVED-PHASE BENZENE  
 CONCENTRATION MAP  
 July 6, 2007**

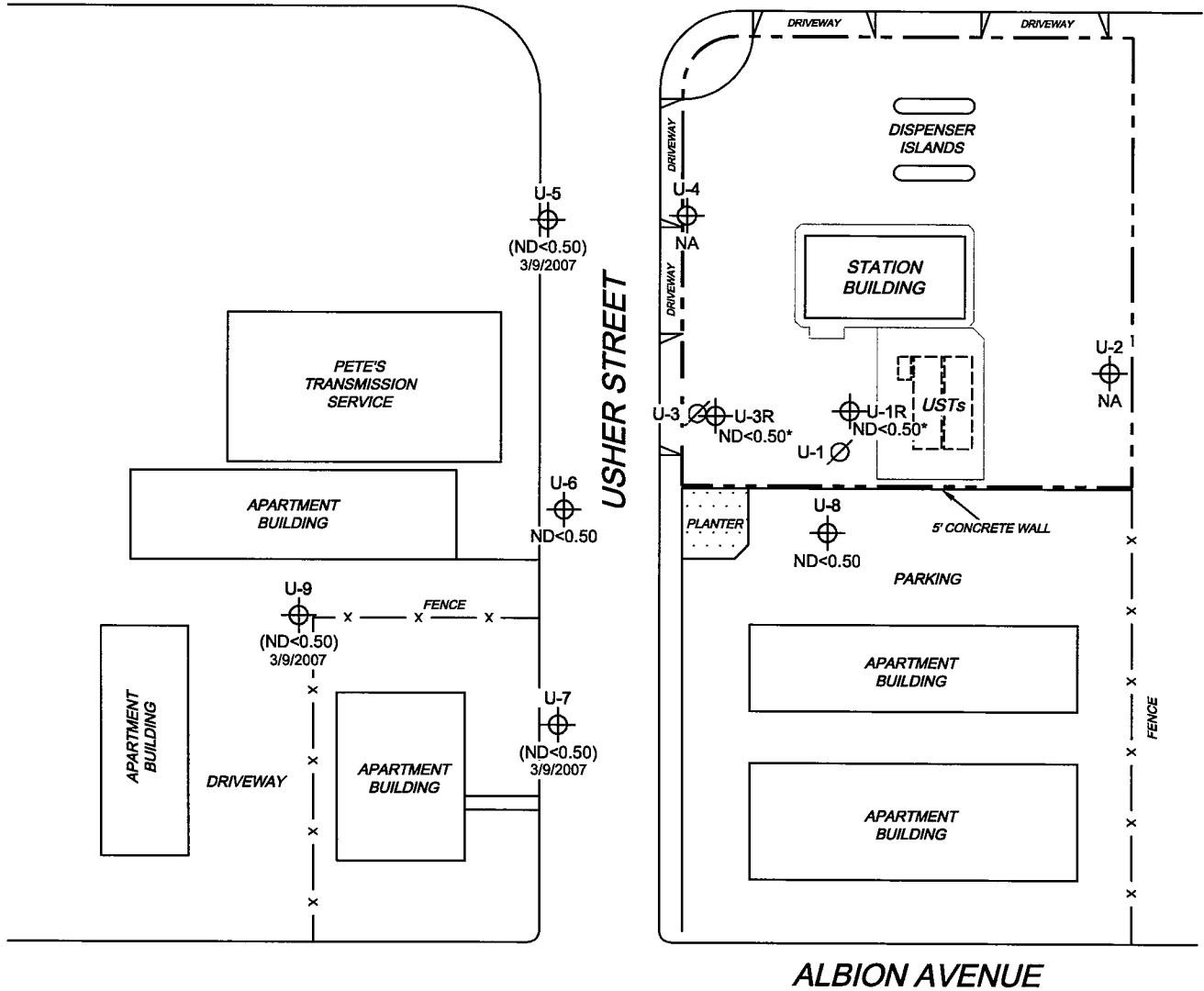
**FIGURE 4**

**LEGEND**

- U-9 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)
- U-3 ∅ Abandoned Well



**LEWELLING BOULEVARD**



**NOTES:**

MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured or collected ( ) = representative historical value. UST = underground storage tank. Results obtained using EPA Method 8260B. \* = sampled on 8/10/07.

SCALE (FEET)



L:\Graphics\QIMS NORTH-SOUTH\DX-5000\5760+5760-QMS(NEW).dwg Sep 27, 2007 - 10:11am cvuong

MS-1.1 5760-003



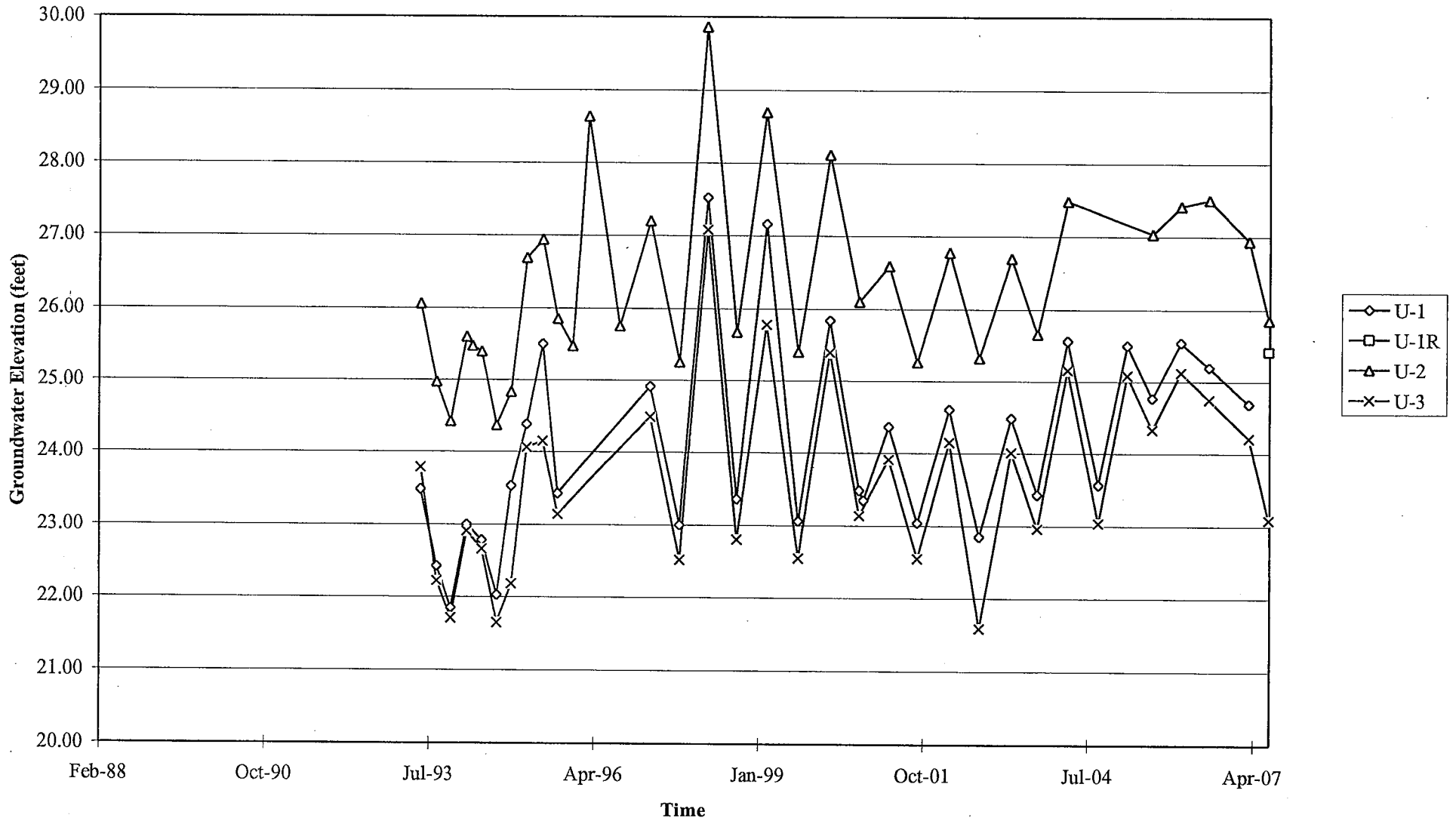
PROJECT: 125703  
 FACILITY:  
 76 STATION 5760  
 376 LEWELLING BOULEVARD  
 SAN LORENZO, CALIFORNIA

**DISSOLVED-PHASE MTBE  
 CONCENTRATION MAP  
 July 6, 2007**

**FIGURE 5**

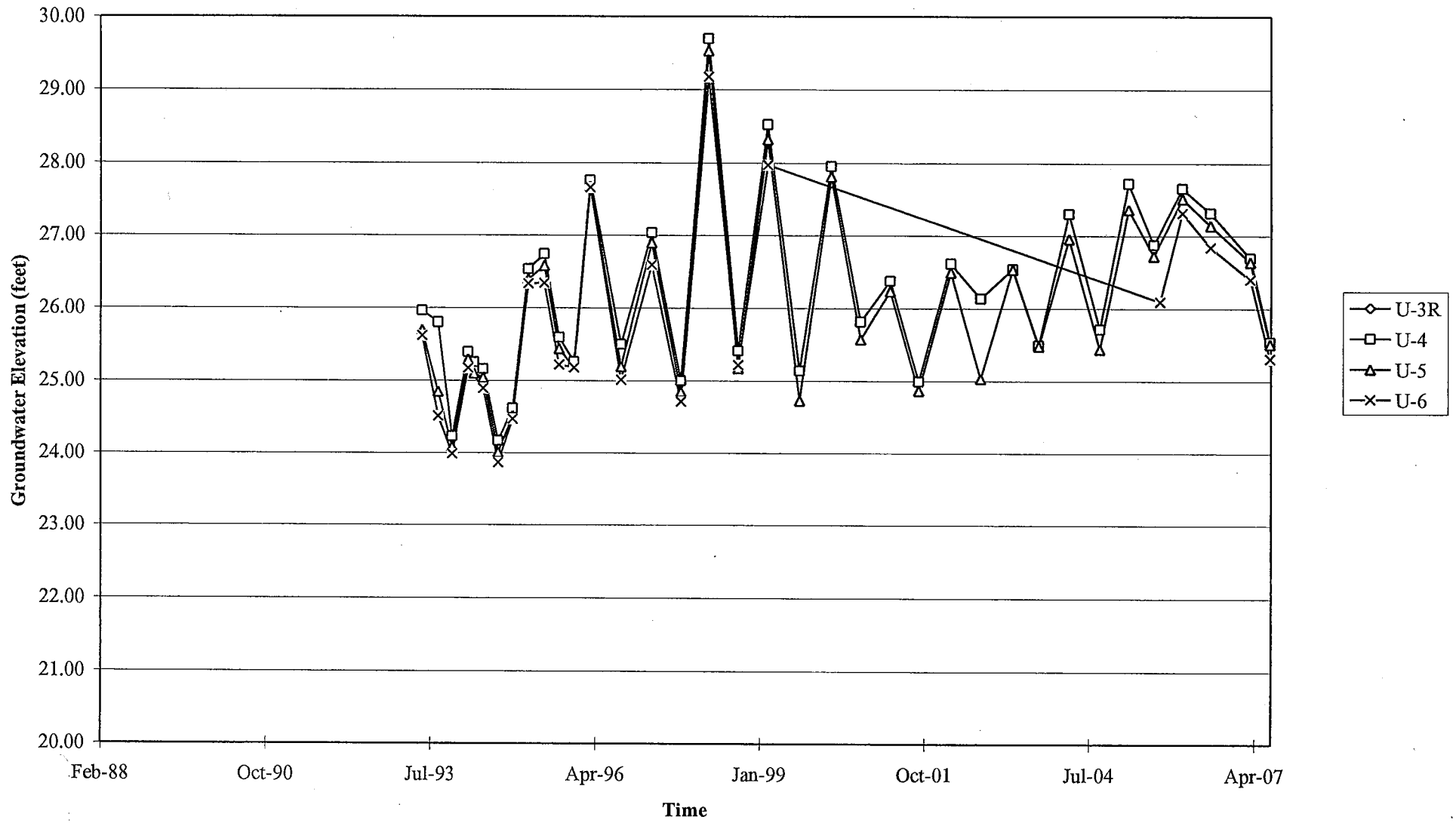
# GRAPHS

Groundwater Elevations vs. Time  
76 Station 5760



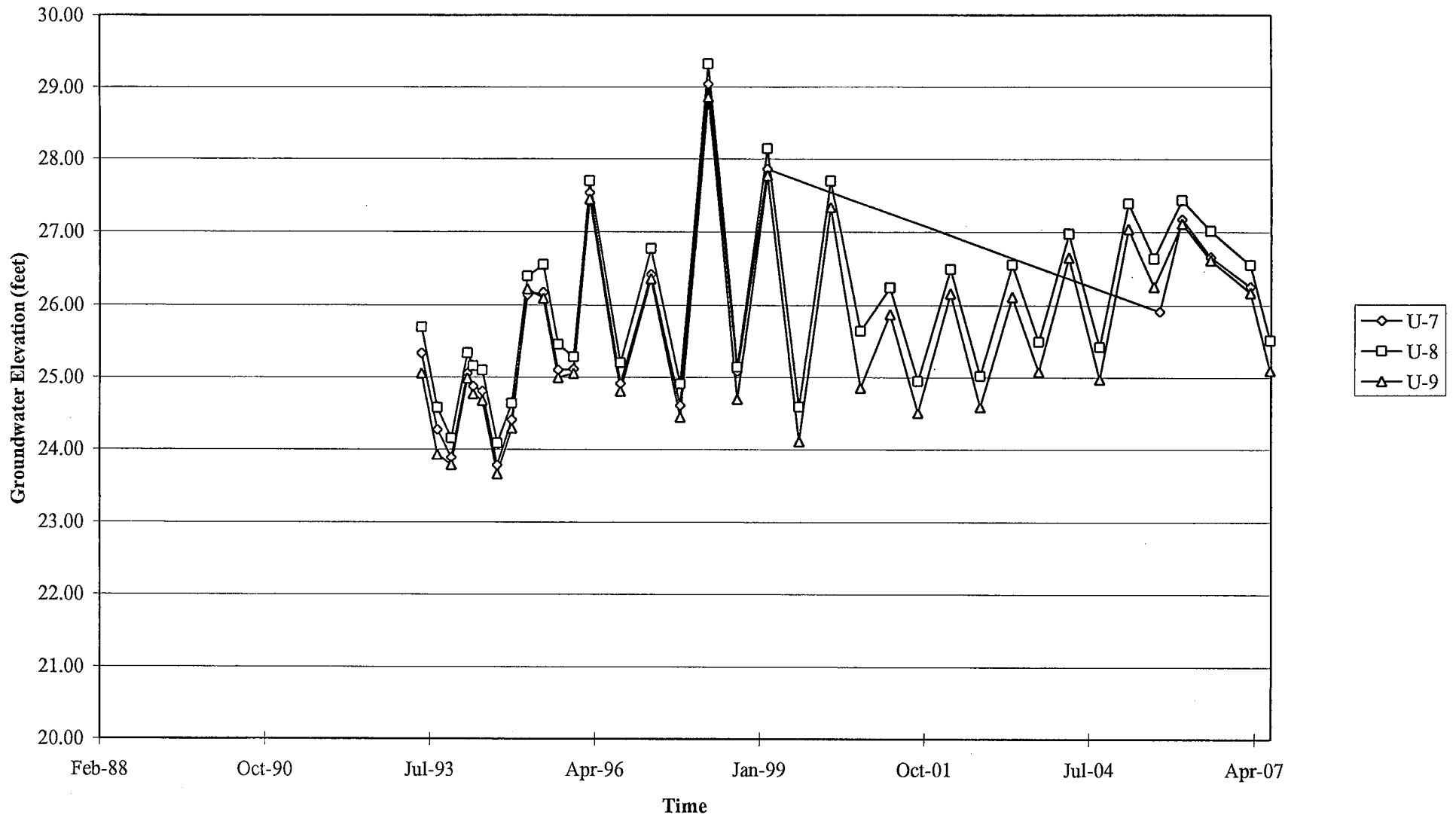
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time  
76 Station 5760



Elevations may have been corrected for apparent changes due to resurvey

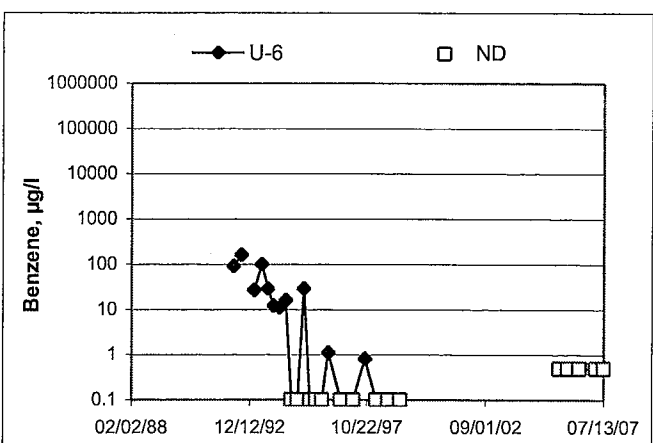
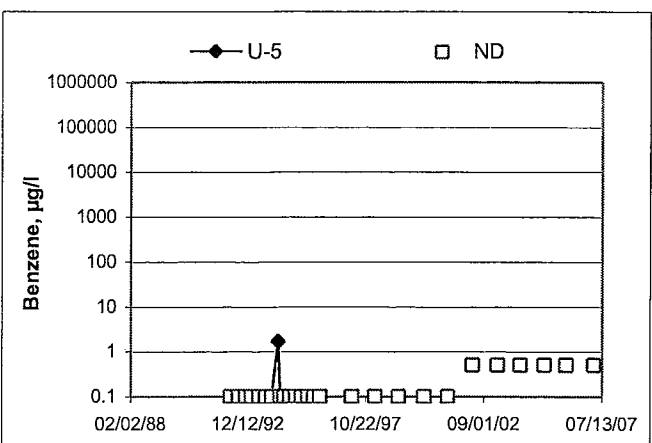
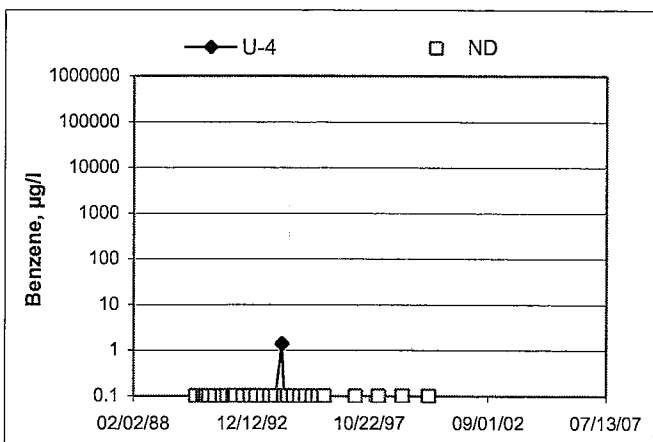
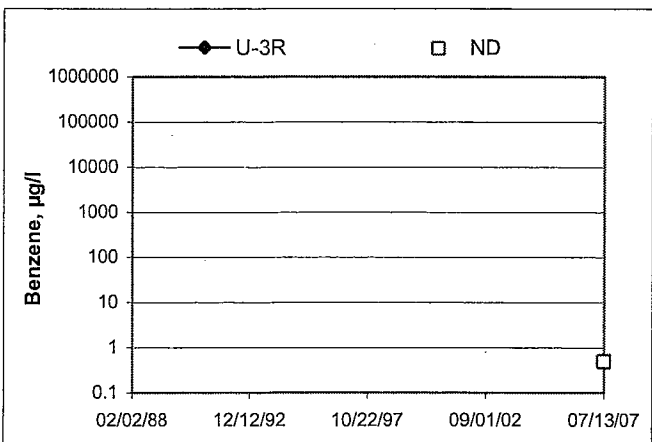
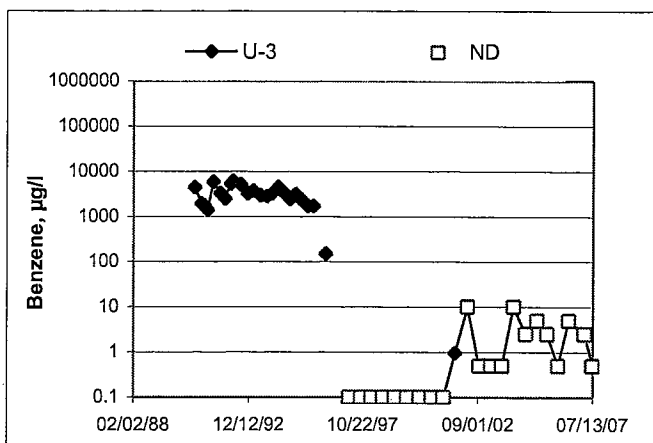
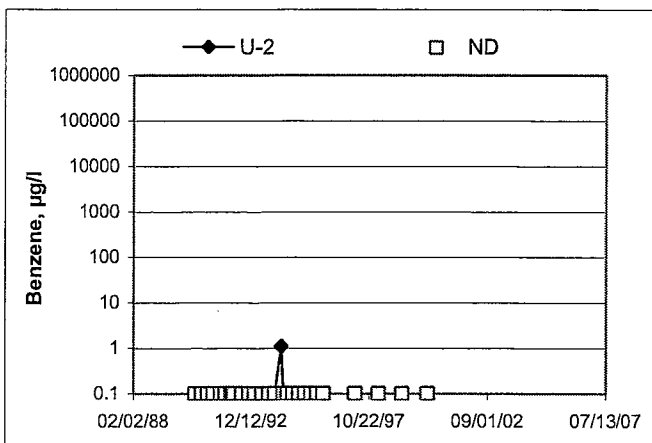
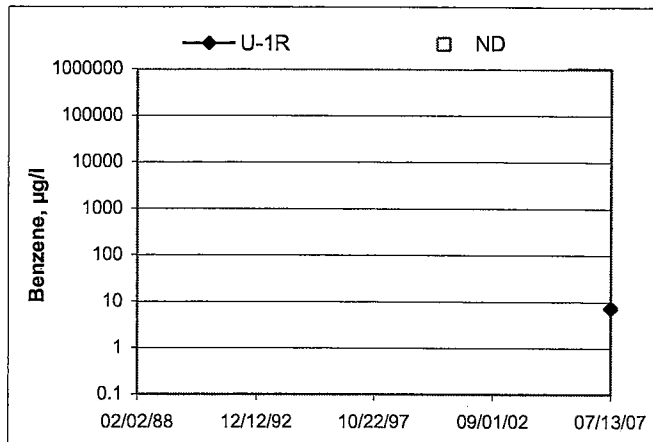
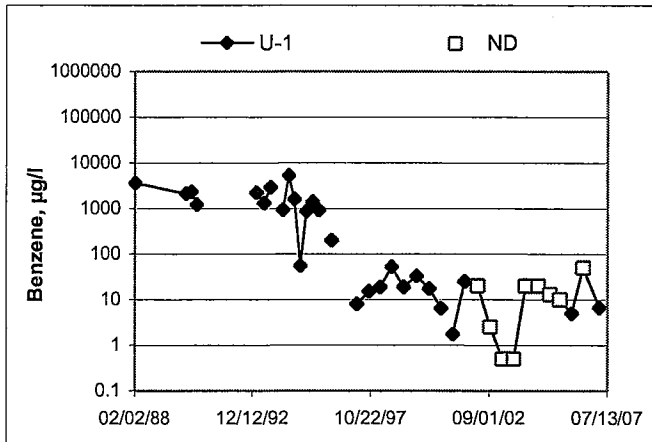
Groundwater Elevations vs. Time  
76 Station 5760



Elevations may have been corrected for apparent changes due to resurvey

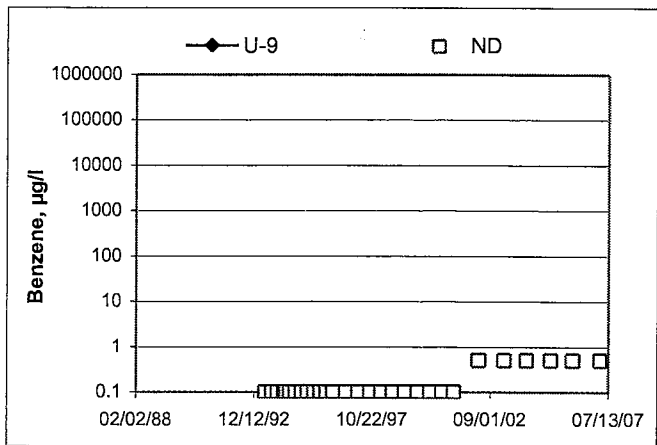
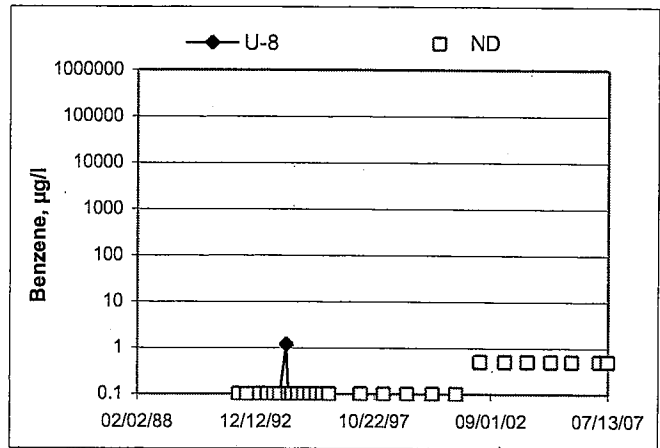
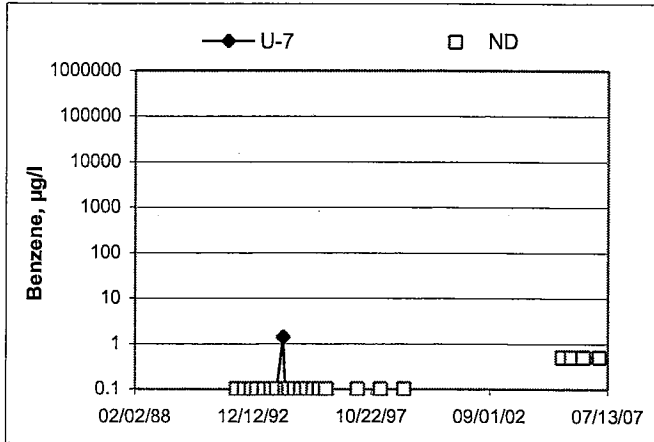


### Benzene Concentrations vs Time 76 Station 5760



# Benzene Concentrations vs Time

76 Station 5760



## GENERAL FIELD PROCEDURES

### Groundwater Monitoring and Sampling Assignments

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

### Fluid Level Measurements

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

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

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

### Purging and Groundwater Parameter Measurement

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

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

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

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

## **Groundwater Sample Collection**

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

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

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

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

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

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

## **Decontamination**

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

## **Exceptions**

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

# FIELD MONITORING DATA SHEET

Technician: DAMCAN

Job #/Task #: 125703/FA20

Date: 7/6/07

Site # 5760

Project Manager A. COLLINS

Page 1 of 1

Well #	Time Gauged	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
U-2	0709	—	29.83	17.80	—	—	N/S	3"
U-4	0816	—	27.90	17.15	—	—	N/S	3"
U-3	0723	—	24.93	16.17	—	—	0853	3"
* U-1	—	—	—	—	—	—	—	CRANE AND MOTOR OVER WELL
U-5	0737	—	28.59	16.23	—	—	N/S	2"
U-6	0745	—	28.29	14.76	—	—	0918	2"
U-8	0730	—	29.84	15.44	—	—	0945	2"
U-7	—	—	—	—	—	—	—	CAR PARKED OVER WELL.
U-9	0753	—	28.19	14.63	—	—	N/S	2"

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

# GROUNDWATER SAMPLING FIELD NOTES

Technician: DAMIAN

Site: 5760

Project No.: 125703/EABO

Date: 7/6/07

Well No. U-3

Purge Method: DIA

Depth to Water (feet): 16.17

Depth to Product (feet):           

Total Depth (feet) 24.93

LPH & Water Recovered (gallons):           

Water Column (feet): 8.76

Casing Diameter (Inches): 3"

80% Recharge Depth(feet): 17.92

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	D.O.	ORP	Turbidity
0846			3	607	18.1	7.41			
			6	583	18.5	7.32			
	0849		9	584	17.9	7.28			
Static at Time Sampled			Total Gallons Purged		Sample Time				
16.23			9		0853				
Comments:									

Well No. U-6

Purge Method: DIA

Depth to Water (feet): 14.76

Depth to Product (feet):           

Total Depth (feet) 28.29

LPH & Water Recovered (gallons):           

Water Column (feet): 13.53

Casing Diameter (Inches): 3"

80% Recharge Depth(feet): 17.46

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	D.O.	ORP	Turbidity
0915			2	530	18.5	7.58			
			4	528	18.6	7.27			
	0920		6	529	18.6	7.15			
Static at Time Sampled			Total Gallons Purged		Sample Time				
14.81			6		0918				
Comments:									

# GROUNDWATER SAMPLING FIELD NOTES

Technician: DAMIAN

Site: 5760

Project No.: 123403/FABO

Date: 7/6/07

Well No. U-8

Purge Method: DIA

Depth to Water (feet): 15.44

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): 29.87

LPH & Water Recovered (gallons): \_\_\_\_\_

Water Column (feet): 14.43

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 18.32

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
0935			2	455	19.0	7.64			
			4	452	18.5	7.46			
	0939		6	458	14.1	7.35			
Static at Time Sampled			Total Gallons Purged		Sample Time				
		<u>15.44</u>	<u>6</u>			<u>0945</u>			
Comments:									

Well No. \_\_\_\_\_

Purge Method: \_\_\_\_\_

Depth to Water (feet): \_\_\_\_\_

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): \_\_\_\_\_

LPH & Water Recovered (gallons): \_\_\_\_\_

Water Column (feet): \_\_\_\_\_

Casing Diameter (Inches): \_\_\_\_\_

80% Recharge Depth(feet): \_\_\_\_\_

1 Well Volume (gallons): \_\_\_\_\_

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
Static at Time Sampled			Total Gallons Purged		Sample Time				
Comments:									

STATEMENT OF NON-COMPLETION OF JOB

DATE OF EVENT: 7/6/07 STATION NUMBER: 5760

NAME OF TECH: DAMIAN CALLED GORDON: RICK R.

CALLED PM: \_\_\_\_\_ NAME OF PM CALLED: \_\_\_\_\_

WELL NUMBER: U-1 STATEMENT FROM PM \_\_\_\_\_ OR TECH DAMIAN

MOTOR AND CRANE OVER WELL COULD NOT GET TO.

WELL NUMBER: U-7 STATEMENT FROM PM \_\_\_\_\_ OR TECH DAMIAN

CAR PARKED OVER WELL.

WELL NUMBER: \_\_\_\_\_ STATEMENT FROM PM \_\_\_\_\_ OR TECH \_\_\_\_\_

WELL NUMBER: \_\_\_\_\_ STATEMENT FROM PM \_\_\_\_\_ OR TECH \_\_\_\_\_





## GROUNDWATER SAMPLING FIELD NOTES

Technician: Rick R.

Site: 5760

Project No.: 125703

Date: 8/10/07

Well No. U-1R

Purge Method: HB

Depth to Water (feet): 17.24

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet) 24.63

LPH & Water Recovered (gallons): \_\_\_\_\_

Water Column (feet): 7.39

Casing Diameter (Inches): 8"

80% Recharge Depth(feet): 18.72

1 Well Volume (gallons): 1

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F °C)	pH	D.O.	ORP	Turbidity
<u>0829</u>			<u>1</u>	<u>1049</u>	<u>19.3</u>	<u>7.57</u>			
			<u>2</u>	<u>1059</u>	<u>19.5</u>	<u>6.99</u>			
	<u>0835</u>		<u>3</u>	<u>1062</u>	<u>19.5</u>	<u>6.82</u>			
Static at Time Sampled			Total Gallons Purged			Sample Time			
<u>17.33</u>			<u>3</u>			<u>0840</u>			
Comments:									

Well No. U-3R

Purge Method: HB

Depth to Water (feet): 16.29

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet) 24.98

LPH & Water Recovered (gallons): \_\_\_\_\_

Water Column (feet): 8.69

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 18.03

1 Well Volume (gallons): 1

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F °C)	pH	D.O.	ORP	Turbidity
<u>0848</u>			<u>1</u>	<u>1130</u>	<u>19.5</u>	<u>7.47</u>			
			<u>2</u>	<u>1168</u>	<u>19.9</u>	<u>7.12</u>			
	<u>0854</u>		<u>3</u>	<u>1159</u>	<u>19.9</u>	<u>7.01</u>			
Static at Time Sampled			Total Gallons Purged			Sample Time			
<u>16.52</u>			<u>3</u>			<u>0900</u>			
Comments:									

Date of Report: 07/18/2007

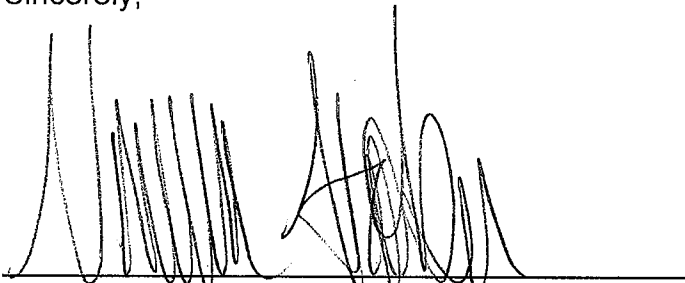
Anju Farfan

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

RE: 5760  
BC Work Order: 0707743

Enclosed are the results of analyses for samples received by the laboratory on 07/09/2007 22:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Contact Person: Vanessa Hooker  
Client Service Rep

  
Authorized Signature



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

Project: 5760  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 07/18/2007 15:22

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
0707743-01	<b>COC Number:</b> --- <b>Project Number:</b> 5760 <b>Sampling Location:</b> U-3 <b>Sampling Point:</b> U-3 <b>Sampled By:</b> Damian of TRCI	<b>Receive Date:</b> 07/09/2007 22:10 <b>Sampling Date:</b> 07/06/2007 08:53 <b>Sample Depth:</b> --- <b>Sample Matrix:</b> Water	<b>Delivery Work Order:</b> Global ID: T0600101469 Matrix: W Sample QC Type (SACode): CS Cooler ID:
0707743-02	<b>COC Number:</b> --- <b>Project Number:</b> 5760 <b>Sampling Location:</b> U-6 <b>Sampling Point:</b> U-6 <b>Sampled By:</b> Damian of TRCI	<b>Receive Date:</b> 07/09/2007 22:10 <b>Sampling Date:</b> 07/06/2007 09:18 <b>Sample Depth:</b> --- <b>Sample Matrix:</b> Water	<b>Delivery Work Order:</b> Global ID: T0600101469 Matrix: W Sample QC Type (SACode): CS Cooler ID:
0707743-03	<b>COC Number:</b> --- <b>Project Number:</b> 5760 <b>Sampling Location:</b> U-8 <b>Sampling Point:</b> U-8 <b>Sampled By:</b> Damian of TRCI	<b>Receive Date:</b> 07/09/2007 22:10 <b>Sampling Date:</b> 07/06/2007 09:45 <b>Sample Depth:</b> --- <b>Sample Matrix:</b> Water	<b>Delivery Work Order:</b> Global ID: T0600101469 Matrix: W Sample QC Type (SACode): CS Cooler ID:

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

 Project: 5760  
 Project Number: [none]  
 Project Manager: Anju Farfan

Reported: 07/18/2007 15:22

## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0707743-01												
Client Sample Name:	5760, U-3, U-3, 7/6/2007 8:53:00AM, Damian												
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	07/09/07	07/12/07 12:24	SDU	MS-V10	1	BQG0347		
Ethylbenzene	11	ug/L	0.50		EPA-8260	07/09/07	07/12/07 12:24	SDU	MS-V10	1	BQG0347		
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/09/07	07/12/07 12:24	SDU	MS-V10	1	BQG0347		
Toluene	ND	ug/L	0.50		EPA-8260	07/09/07	07/12/07 12:24	SDU	MS-V10	1	BQG0347		
Total Xylenes	16	ug/L	0.50		EPA-8260	07/09/07	07/12/07 12:24	SDU	MS-V10	1	BQG0347		
Ethanol	ND	ug/L	250		EPA-8260	07/09/07	07/12/07 12:24	SDU	MS-V10	1	BQG0347		
Total Purgeable Petroleum Hydrocarbons	390	ug/L	50		EPA-8260	07/09/07	07/12/07 12:24	SDU	MS-V10	1	BQG0347		
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	07/09/07	07/12/07 12:24	SDU	MS-V10	1	BQG0347		
Toluene-d8 (Surrogate)	96.3	%	88 - 110 (LCL - UCL)		EPA-8260	07/09/07	07/12/07 12:24	SDU	MS-V10	1	BQG0347		
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260	07/09/07	07/12/07 12:24	SDU	MS-V10	1	BQG0347		

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

 Project: 5760  
 Project Number: [none]  
 Project Manager: Anju Farfan

Reported: 07/18/2007 15:22

## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	Client Sample Name: 5760, U-6, U-6, 7/6/2007 9:18:00AM, Damian												
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	07/09/07	07/10/07 19:21	SDU	MS-V10	1	BQG0347		
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/09/07	07/10/07 19:21	SDU	MS-V10	1	BQG0347		
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/09/07	07/10/07 19:21	SDU	MS-V10	1	BQG0347		
Toluene	ND	ug/L	0.50		EPA-8260	07/09/07	07/10/07 19:21	SDU	MS-V10	1	BQG0347		
Total Xylenes	ND	ug/L	0.50		EPA-8260	07/09/07	07/10/07 19:21	SDU	MS-V10	1	BQG0347		
Ethanol	ND	ug/L	250		EPA-8260	07/09/07	07/10/07 19:21	SDU	MS-V10	1	BQG0347		
Total Purgeable Petroleum Hydrocarbons	79	ug/L	50		EPA-8260	07/09/07	07/10/07 19:21	SDU	MS-V10	1	BQG0347		
1,2-Dichloroethane-d4 (Surrogate)	107	%	76 - 114 (LCL - UCL)		EPA-8260	07/09/07	07/10/07 19:21	SDU	MS-V10	1	BQG0347		
Toluene-d8 (Surrogate)	94.0	%	88 - 110 (LCL - UCL)		EPA-8260	07/09/07	07/10/07 19:21	SDU	MS-V10	1	BQG0347		
4-Bromofluorobenzene (Surrogate)	106	%	86 - 115 (LCL - UCL)		EPA-8260	07/09/07	07/10/07 19:21	SDU	MS-V10	1	BQG0347		

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

 Project: 5760  
 Project Number: [none]  
 Project Manager: Anju Farfan

Reported: 07/18/2007 15:22

## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0707743-03												
Client Sample Name:	5760, U-8, U-8, 7/6/2007 9:45:00AM, Damian												
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	07/09/07	07/10/07 19:39	SDU	MS-V10	1	BQG0347		
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/09/07	07/10/07 19:39	SDU	MS-V10	1	BQG0347		
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/09/07	07/10/07 19:39	SDU	MS-V10	1	BQG0347		
Toluene	ND	ug/L	0.50		EPA-8260	07/09/07	07/10/07 19:39	SDU	MS-V10	1	BQG0347		
Total Xylenes	ND	ug/L	0.50		EPA-8260	07/09/07	07/10/07 19:39	SDU	MS-V10	1	BQG0347		
Ethanol	ND	ug/L	250		EPA-8260	07/09/07	07/10/07 19:39	SDU	MS-V10	1	BQG0347		
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	07/09/07	07/10/07 19:39	SDU	MS-V10	1	BQG0347		
1,2-Dichloroethane-d4 (Surrogate)	101	%	76 - 114 (LCL - UCL)		EPA-8260	07/09/07	07/10/07 19:39	SDU	MS-V10	1	BQG0347		
Toluene-d8 (Surrogate)	96.1	%	88 - 110 (LCL - UCL)		EPA-8260	07/09/07	07/10/07 19:39	SDU	MS-V10	1	BQG0347		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)		EPA-8260	07/09/07	07/10/07 19:39	SDU	MS-V10	1	BQG0347		



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

Project: 5760  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 07/18/2007 15:22

### Notes And Definitions

ND Analyte Not Detected at or above the reporting limit  
PQL Practical Quantitation Limit



Submission #: 07-07743

Project Code:

TB Batch #

SHIPPING INFORMATION

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

SHIPPING CONTAINER

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

Refrigerant: Ice  Blue Ice  None  Other  Comments:

Custody Seals Ice Chest  Containers  None  Comments:

Intact? Yes  No

Intact? Yes  No

All samples received? Yes  No

All samples containers intact? Yes  No

Description(s) match COC? Yes  No

COC Received

YES  NO

Ice Chest ID FW  
 Temperature: 2.6 °C  
 Thermometer ID: 48

Emissivity 0.98  
 Container VOA

Date/Time 7/9/17

Analyst Init Amx

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

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: Amx Date/Time: 7/10/17 0100

#07-07743

BC LABORATORIES, INC.

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

CHAIN OF CUSTODY

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/OXYS BY 8260B	ETHANOL by 8260B	TPH -G by GC/MS	Turnaround Time Requested
Address: 376 LEWELLING RD		21 Techology Drive Irvine, CA 92618-2302 Attn: Anju Farfan										
City: SAN LORENZO		4-digit site#: 5760										
State: CA   Zip:		Workorder # 01468-4507923450										
Conoco Phillips Mgr: <sup>ED</sup> RALSTON		Project #: 125703/FA20										
Sampler Name: DAMIAN		Project #: 125703/FA20										
Lab#	Sample Description	Field Point Name	Date & Time Sampled									
		U-3 -1	7/6/07 0853	GW					X	X	X	STD
		U-6 -2	0918						↓	↓	↓	↓
		U-8 -3	0945						↓	↓	↓	↓
				CHK BY DISTRIBUTION <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> SUB-OUT <input type="checkbox"/>								
Comments:				Relinquished by: (Signature) <i>D. Brauer</i>		Received by:		Date & Time				
GLOBAL ID: T0600101469				Relinquished by: (Signature) <i>[Signature]</i>		FRIGGE		7/6/07 1045				
				Relinquished by: (Signature) <i>[Signature]</i>		Received by: <i>Koss</i>		7/06/07 1340				
				Relinquished by: (Signature) <i>Riley</i>		Received by: <i>Riley</i>		7/9/07 1910				

(A) = ANALYSIS (C) = CONTAINER

(P) = PRESERVATIVE

Riley 7/9/07 2210 ~~FRIGGE~~ 7/9/07 2210



Date of Report: 08/23/2007

Anju Farfan

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

RE: 5760  
BC Work Order: 0709354

Enclosed are the results of analyses for samples received by the laboratory on 08/13/2007 21:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Molly Meyers".

\_\_\_\_\_  
Contact Person: Molly Meyers  
Client Service Rep

A stylized, handwritten signature in black ink, consisting of several loops and a long horizontal stroke.

\_\_\_\_\_  
Authorized Signature

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

Project: 5760  
 Project Number: [none]  
 Project Manager: Anju Farfan

Reported: 08/23/2007 13:50

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
0709354-01	<b>COC Number:</b>	---	<b>Receive Date:</b> 08/13/2007 21:55	Delivery Work Order:
	<b>Project Number:</b>	5760	<b>Sampling Date:</b> 08/10/2007 08:40	Global ID: T0600101469
	<b>Sampling Location:</b>	U-1R	<b>Sample Depth:</b> ---	Matrix: W
	<b>Sampling Point:</b>	U-1R	<b>Sample Matrix:</b> Water	Sample QC Type (SACode): CS
	<b>Sampled By:</b>	TRCI		Cooler ID:
0709354-02	<b>COC Number:</b>	---	<b>Receive Date:</b> 08/13/2007 21:55	Delivery Work Order:
	<b>Project Number:</b>	5760	<b>Sampling Date:</b> 08/10/2007 09:00	Global ID: T0600101469
	<b>Sampling Location:</b>	U-3R	<b>Sample Depth:</b> ---	Matrix: W
	<b>Sampling Point:</b>	U-3R	<b>Sample Matrix:</b> Water	Sample QC Type (SACode): CS
	<b>Sampled By:</b>	TRCI		Cooler ID:

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

 Project: 5760  
 Project Number: [none]  
 Project Manager: Anju Farfan

Reported: 08/23/2007 13:50

## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0709354-01	Client Sample Name: 5760, U-1R, U-1R, 8/10/2007 8:40:00AM
---------------------------	---

Constituent	Result	Units	PQL	MDL	Method	Prep	Run	Analyst	Instru- ment ID	Dilution	QC	MB	Lab
						Date	Date/Time				Batch ID	Bias	Quals
Benzene	7.2	ug/L	0.50		EPA-8260	08/17/07	08/21/07 02:50	MRR	MS-V12	1	BQH1112	ND	
Ethylbenzene	2200	ug/L	25		EPA-8260	08/17/07	08/22/07 20:24	MRR	MS-V12	50	BQH1112	ND	A01
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	08/17/07	08/21/07 02:50	MRR	MS-V12	1	BQH1112	ND	
Toluene	8.3	ug/L	0.50		EPA-8260	08/17/07	08/21/07 02:50	MRR	MS-V12	1	BQH1112	ND	
Total Xylenes	10000	ug/L	25		EPA-8260	08/17/07	08/22/07 20:24	MRR	MS-V12	50	BQH1112	ND	A01
Ethanol	ND	ug/L	250		EPA-8260	08/17/07	08/21/07 02:50	MRR	MS-V12	1	BQH1112	ND	
Total Purgeable Petroleum Hydrocarbons	36000	ug/L	2500		EPA-8260	08/17/07	08/22/07 20:24	MRR	MS-V12	50	BQH1112	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)		EPA-8260	08/17/07	08/22/07 20:24	MRR	MS-V12	50	BQH1112		
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	08/17/07	08/21/07 02:50	MRR	MS-V12	1	BQH1112		
Toluene-d8 (Surrogate)	96.3	%	88 - 110 (LCL - UCL)		EPA-8260	08/17/07	08/22/07 20:24	MRR	MS-V12	50	BQH1112		
Toluene-d8 (Surrogate)	98.1	%	88 - 110 (LCL - UCL)		EPA-8260	08/17/07	08/21/07 02:50	MRR	MS-V12	1	BQH1112		
4-Bromofluorobenzene (Surrogate)	96.3	%	86 - 115 (LCL - UCL)		EPA-8260	08/17/07	08/21/07 02:50	MRR	MS-V12	1	BQH1112		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	08/17/07	08/22/07 20:24	MRR	MS-V12	50	BQH1112		

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

 Project: 5760  
 Project Number: [none]  
 Project Manager: Anju Farfan

Reported: 08/23/2007 13:50

## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	Client Sample Name: 5760, U-3R, U-3R, 8/10/2007 9:00:00AM												
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	08/17/07	08/21/07 01:15	MRR	MS-V12	1	BQH1112	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	08/17/07	08/21/07 01:15	MRR	MS-V12	1	BQH1112	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	08/17/07	08/21/07 01:15	MRR	MS-V12	1	BQH1112	ND	
Toluene	ND	ug/L	0.50		EPA-8260	08/17/07	08/21/07 01:15	MRR	MS-V12	1	BQH1112	ND	
Total Xylenes	0.99	ug/L	0.50		EPA-8260	08/17/07	08/21/07 01:15	MRR	MS-V12	1	BQH1112	ND	
Ethanol	ND	ug/L	250		EPA-8260	08/17/07	08/21/07 01:15	MRR	MS-V12	1	BQH1112	ND	
Total Purgeable Petroleum Hydrocarbons	290	ug/L	50		EPA-8260	08/17/07	08/21/07 01:15	MRR	MS-V12	1	BQH1112	ND	
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)		EPA-8260	08/17/07	08/21/07 01:15	MRR	MS-V12	1	BQH1112		
Toluene-d8 (Surrogate)	97.9	%	88 - 110 (LCL - UCL)		EPA-8260	08/17/07	08/21/07 01:15	MRR	MS-V12	1	BQH1112		
4-Bromofluorobenzene (Surrogate)	96.7	%	86 - 115 (LCL - UCL)		EPA-8260	08/17/07	08/21/07 01:15	MRR	MS-V12	1	BQH1112		

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

 Project: 5760  
 Project Number: [none]  
 Project Manager: Anju Farfan

Reported: 08/23/2007 13:50

## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits	
										RPD	Percent Recovery Lab Quals
Benzene	BQH1112	Matrix Spike	0709283-03	0	24.080	25.000	ug/L		96.3		70 - 130
		Matrix Spike Duplicate	0709283-03	0	25.840	25.000	ug/L	6.7	103	20	70 - 130
Toluene	BQH1112	Matrix Spike	0709283-03	0	23.890	25.000	ug/L		95.6		70 - 130
		Matrix Spike Duplicate	0709283-03	0	25.860	25.000	ug/L	7.5	103	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BQH1112	Matrix Spike	0709283-03	ND	10.720	10.000	ug/L		107		76 - 114
		Matrix Spike Duplicate	0709283-03	ND	11.170	10.000	ug/L		112		76 - 114
Toluene-d8 (Surrogate)	BQH1112	Matrix Spike	0709283-03	ND	9.9500	10.000	ug/L		99.5		88 - 110
		Matrix Spike Duplicate	0709283-03	ND	10.120	10.000	ug/L		101		88 - 110
4-Bromofluorobenzene (Surrogate)	BQH1112	Matrix Spike	0709283-03	ND	9.9000	10.000	ug/L		99.0		86 - 115
		Matrix Spike Duplicate	0709283-03	ND	9.9300	10.000	ug/L		99.3		86 - 115

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

Project: 5760  
 Project Number: [none]  
 Project Manager: Anju Farfan

Reported: 08/23/2007 13:50

## 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	BQH1112	BQH1112-BS1	LCS	28.160	25.000	0.50	ug/L	113		70 - 130		
Toluene	BQH1112	BQH1112-BS1	LCS	27.370	25.000	0.50	ug/L	109		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BQH1112	BQH1112-BS1	LCS	11.150	10.000		ug/L	112		76 - 114		
Toluene-d8 (Surrogate)	BQH1112	BQH1112-BS1	LCS	9.7900	10.000		ug/L	97.9		88 - 110		
4-Bromofluorobenzene (Surrogate)	BQH1112	BQH1112-BS1	LCS	9.7900	10.000		ug/L	97.9		86 - 115		



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

 Project: 5760  
 Project Number: [none]  
 Project Manager: Anju Farfan

Reported: 08/23/2007 13:50

## 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	BQH1112	BQH1112-BLK1	ND	ug/L	0.50		
Ethylbenzene	BQH1112	BQH1112-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BQH1112	BQH1112-BLK1	ND	ug/L	0.50		
Toluene	BQH1112	BQH1112-BLK1	ND	ug/L	0.50		
Total Xylenes	BQH1112	BQH1112-BLK1	ND	ug/L	0.50		
Ethanol	BQH1112	BQH1112-BLK1	ND	ug/L	250		
Total Purgeable Petroleum Hydrocarbons	BQH1112	BQH1112-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BQH1112	BQH1112-BLK1	110	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BQH1112	BQH1112-BLK1	97.6	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BQH1112	BQH1112-BLK1	92.6	%	86 - 115 (LCL - UCL)		



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

Project: 5760  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 08/23/2007 13:50

### 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.

Submission #: 07-09354

Project Code:

TB Batch #

SHIPPING INFORMATION

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

SHIPPING CONTAINER

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

Refrigerant: Ice  Blue Ice  None  Other  Comments:

Custody Seals Ice Chest  Containers  None  Comments:

Intact? Yes  No

Intact? Yes  No

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

COC Received

YES  NO

Ice Chest ID 416  
 Temperature: 26 °C  
 Thermometer ID: 49

Emissivity 0.98  
 Container rod

Date/Time 8/13/12  
 Analyst Init me

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

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: me Date/Time: 8/14/12 5:00

#07-09354

BC LABORATORIES, INC.

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

CHAIN OF CUSTODY

Analysis Requested

Bill to: Conoco Phillips/ TRC		Consultant Firm: TRC		MATRIX (GW) Ground-water (S) Soil (WW) Waste-water (SL) Sludge	TPH GAS by 8015M	TPH DIESEL by 8015	ETHANOL by 8260B	TPH-G by GC/MS	BTX by MTBE by 8260B	Turnaround Time Requested
Address: 376 LEWELLING RD		21 Techology Drive Irvine, CA 92618-2302 Attn: Anju Farfan								
City: SAN LORENZO		4-digit site#: 5760								
State: CA Zip:		Workorder # 01468-450723450								
Conoco Phillips Mgr: Bill Borgh		Project #: 125703/FA20								
Lab#	Sample Description	Field Point Name	Date & Time Sampled							
		U-1R -1	8/10/07 1030 <sup>0840</sup> GW				X	X	X	STD
		U-3R -2	↓ - 0900	↓			X	X	X	↓

CHK BY	DISTRIBUTION
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	SUB OUT <input type="checkbox"/>

Comments:  GLOBAL ID: T0600 101469	Relinquished by: (Signature)	Received by:	Date & Time
	Relinquished by: (Signature)	Received by:	Date & Time
	Relinquished by: (Signature)	Received by:	Date & Time

(A) = ANALYSIS (C) = CONTAINER

(P) = PRESERVATIVE

Relinquished 8-13-07 2:05  
8/13/07 2:05

## **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.