



76 Broadway  
Sacramento, California 95818

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3:09 pm, Sep 27, 2007

Alameda County  
Environmental Health

September 21, 2007

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

Re: 76 Service Station No. 5367  
500 Bancroft Avenue  
San Leandro, California

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

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

September 21, 2007

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

**Re: Semi-Annual Summary Report – Second Quarter  
2007 Through Third Quarter 2007**  
Delta Project No. C1Q5367603



Dear Ms. Drogos:

On behalf of ConocoPhillips Company (COP), Delta Consultants, Inc. (Delta) is submitting the Semi-Annual Summary Report – Second Quarter 2007 through the Third Quarter 2007 and forwarding a copy of TRC's *Semi-Annual Monitoring Report, April through September 2007*, dated July 23, 2007, for the following location:

**Service Station**

76 Service Station No. 5367

**Location**

500 Bancroft Avenue  
San Leandro, California

Sincerely,  
**DELTA CONSULTANTS, INC.**

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



cc: Mr. William Borgh-ConocoPhillips (electronic upload only)

**SEMI-ANNUAL SUMMARY REPORT**  
**Second Quarter 2007 through Third Quarter 2007**  
**76 Service Station No. 5367**  
**500 Bancroft Avenue**  
**San Leandro, California**

**SITE BACKGROUND AND PREVIOUS ENVIRONMENTAL WORK**

The site is located on the northeast corner of the intersection of Bancroft Avenue and Dowling Boulevard and is an active 76 service station. Three 12,000-gallon underground storage tanks (USTs) and two dispenser islands are present at the site.

In 1987, the USTs and associated piping were replaced. During the work, approximately 250 cubic yards of impacted soil was excavated and removed from the site. A limited environmental investigation was performed by Applied Geosystems in 1987 and consisted of advancing one boring and the installation of groundwater monitoring well MW-1 at the site. Free product (approximately ¼ inch) was present on the groundwater beneath the site. Approximately 120 pounds of free product was removed by hand bailing.

In September and October 1988, three additional monitoring wells (MW-2 through MW-4) were installed at the site by Applied Geosystems. Based on the data from the investigation, the extent of impacted soil appeared limited to an area west and south of the tank pit between 30 and 36 feet below ground surface (bgs).

In February 1990, an additional on-site monitoring well (MW-5) and three off-site monitoring wells (MW-6 through MW-8) were installed by Applied Geosystems. The data from this and the previous investigations indicated that impacted groundwater was present both beneath the site and off-site to the southwest. The extent of impacted soil and groundwater appeared to be delineated to the east of the USTs and to the west of the site.

Between mid-1994 and mid-1995, two additional monitoring wells (MW-9 and MW-10) were installed to the west and south of the site, respectively.

Between March 1996 and March 1997, soil vapor extraction (SVE) and groundwater extraction (GWE) remediation systems operated at the site. During this time, approximately 637,151 gallons of impacted groundwater were removed by the GWE system. An estimated 180 pounds and 108 pounds of total petroleum hydrocarbons as gasoline (TPHg) were removed by the SVE and GWE systems, respectively.

In November 1998, the product piping was replaced and approximately 30 cubic yards of soil was removed from the site. Spill containment sumps and electronic leak detection were also installed.

**SENSITIVE RECEPTORS**

A well search performed in 1990 by Applied Geosystems identified at least 15 wells within ½ mile of the site. Five of the wells were down-gradient (southwest) and within approximately 600 feet of the site. One of these wells was used for irrigation, one was abandoned, and no records pertaining to the remaining three wells were available. No

municipal wells were identified within ½ mile of the site. The nearest water-supply wells were located approximately 400 feet southwest of the site.

A sensitive receptor survey was performed by Delta in August 2006. The survey consisted of a review of Department of Water Resources (DWR) files to evaluate the presence of wells within 1 mile of the site. A list of property owners within 1,000 feet of the site was also generated to evaluate if any of the properties have potential receptors of the hydrocarbon impact from the project site.

A Public Health Assessment Questionnaire presenting specific queries regarding the presence of sensitive receptors was mailed to each of the identified property owners. A total of 341 questionnaires were mailed in April 2006, and 114 responses were received. No wells were identified at any of the respondent properties. Four of the properties had sumps used for irrigation, and basements were present on seven of the properties.

Delta also reviewed the DWR files to prepare a list of parcel numbers, property owner's names, and property addresses of potential receptors within a 1-mile radius of the site. Questionnaires were mailed to 43 addresses in June 2006, but only two responses were received. The two respondents had a well on their property; however, no sumps or basements were present.

Based on the U.S. Geological Survey (USGS) topographic map for the site area (San Leandro quadrangle, 1967), the nearest surface water body is San Leandro Creek located approximately 1,900 feet southeast of the site.

Delta also searched for schools, daycare centers, and hospitals within the 1,000-foot radius of the site; none were identified.

## **MONITORING AND SAMPLING**

Currently, 10 monitoring wells, five on-site and five off-site, are part of the monitoring and sampling program. Between 1991 and 1996, the monitoring wells were monitored and sampled primarily on a quarterly basis. Since first quarter 1996, the monitoring wells have been monitored and sampled on a semi-annual basis. Groundwater samples are collected and analyzed from the monitoring wells for TPHg; benzene, toluene, ethylbenzene, and total xylenes (BTEX); and methyl tertiary butyl ether (MTBE) by EPA Test Method 8260B.

## **SECOND QUARTER 2007 THROUGH THIRD QUARTER 2007 MONITORING AND SAMPLING RESULTS**

Groundwater monitoring and sampling was performed on July 2, 2007 by TRC. The groundwater elevation decreased an average of 0.89 feet from the January 2007 event. Depth to groundwater in site monitoring wells ranged from 28.13 feet (MW-9) to 30.76 feet (MW-10) below top of casing (TOC) during the current event. The groundwater flow direction and gradient were interpreted to be 0.002 ft/ft to the west, this is consistent with historic data. Historic groundwater flow directions are presented on a rose diagram as Attachment A.

### **Contaminants of Concern**

**TPHg:** TPHg was reported above the laboratories indicated reporting limits in monitoring wells MW-1 (8,800 micrograms per liter [ $\mu\text{g/L}$ ]).

**Benzene:** Benzene was reported above the laboratories indicated reporting limit in monitoring well MW-1 (10  $\mu\text{g/L}$ ).

**MTBE:** MTBE was not reported above the laboratories indicated reporting limits in any of the monitoring wells. However, the reporting limit in the sample submitted for analysis from monitoring wells was raised due to sample dilution.

Additionally, ethyl-benzene and total xylenes were reported above the laboratories indicated reporting limits in monitoring well MW-1 at 910  $\mu\text{g/L}$  and 170  $\mu\text{g/L}$ , respectively.

### **REMEDIATION STATUS**

In 1987, during UST and piping replacement work, approximately 250 cubic yards of impacted soil was excavated and removed from the site; approximately 120 pounds of free product was removed by hand bailing from monitoring well MW-1.

Between March 1996 and March 1997 SVE and GWE systems operated at the site. During this time, the GWE system extracted approximately 637,151 gallons of impacted groundwater. The SVE and GWE systems removed approximately 180 pounds and 108 pounds of TPHg, respectively.

In November 1998, approximately 30 cubic yards of soil was over-excavated and removed from the site during product piping replacement.

### **CHARACTERIZATION STATUS**

The extent of impacted soil beneath the site has been adequately evaluated. Residual impacted soil appears limited to the west and south of the tank pit, between 30 and 36 feet bgs.

The extent of impacted groundwater has also been adequately evaluated. Residual impacted groundwater remains beneath the site in the area of well MW-1 and likely some distance down-gradient beneath Bancroft Avenue. The residual dissolved hydrocarbon plume beneath the site appears stable and concentrations have significantly decreased since the early 1990s.

### **CONCLUSIONS AND RECOMMENDATIONS**

Based on the analytical data, impacted groundwater remains beneath the site in the area of the USTs and dispenser islands (monitoring well MW-1) and likely some distance beneath Bancroft Avenue. The concentrations reported during the current event were similar to or less than those reported during the previous event.

Based on the groundwater monitoring analytical data, the plume appears stable and an overall decreasing trend in TPHg and benzene concentrations continues. The decline in concentrations is likely due to natural biodegradation. Therefore, Delta recommends that this site be considered for regulatory closure.

#### **RECENT CORRESPONDENCE**

No correspondence was received during second and third quarters of 2007.

#### **SECOND QUARTER 2007 AND THIRD QUARTER 2007 ACTIVITIES**

1. Delta prepared and submitted *Semi-Annual Summary Report-Fourth Quarter Through First Quarter 2007*, dated April 13, 2007.
2. TRC performed semi-annual monitoring and sampling on July 2, 2007.
3. TRC prepared and submitted *Semi-Annual Monitoring Report-April 2007 through September 2007*, dated July 23, 2007.

#### **FOURTH QUARTER 2007 AND FIRST QUARTER 2008 ACTIVITIES**

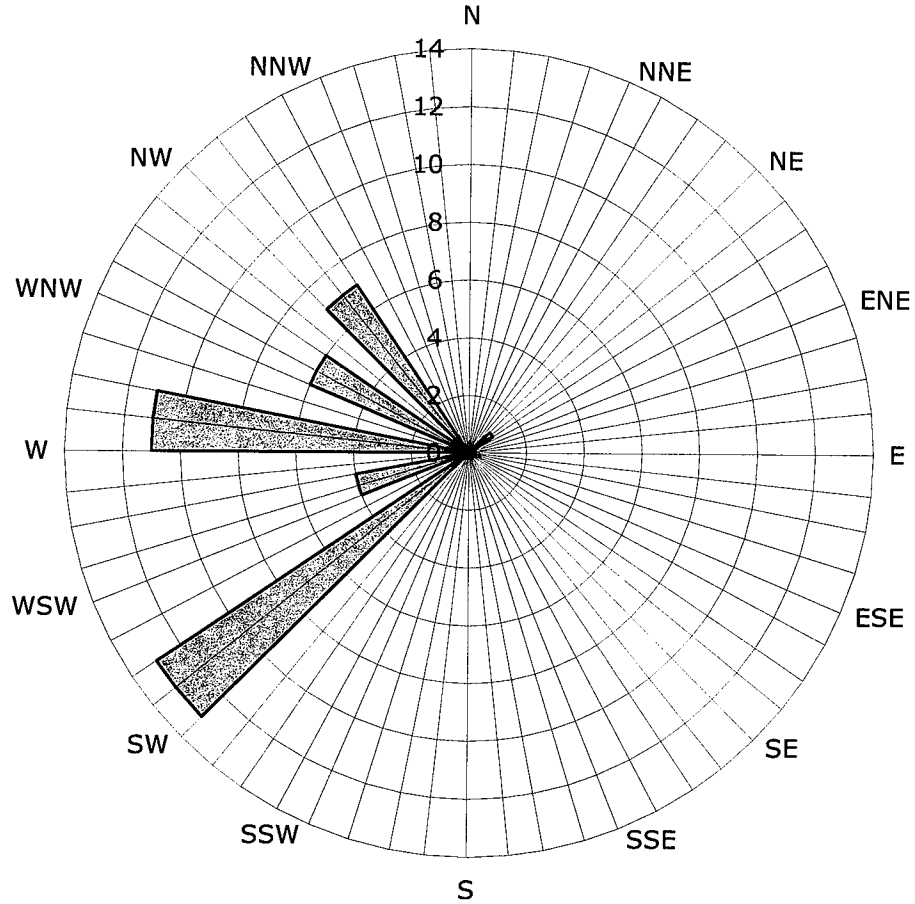
1. TRC to perform semi-annual monitoring and sampling.
2. Delta will discuss site closure with the lead regulatory agency.

**CONSULTANT:** Delta Consultants, Inc.

Attachment A – Historic Groundwater Flow Direction

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

**Historic Groundwater Flow Directions**  
**ConocoPhillips Site No. 5367**  
500 Bancroft Avenue  
San Leandro, California



Groundwater Flow Direction





21 Technology Drive  
Irvine, CA 92618

949.727.9336 PHONE  
949.727.7399 FAX

www.TRCSolutions.com

DATE: July 30, 2007

TO: ConocoPhillips Company  
76 Broadway Avenue  
Sacramento, CA 95818

ATTN: MR. BILL BORGH

SITE: 76 STATION 5367  
500 BANCROFT AVENUE  
SAN LEANDRO, CALIFORNIA

RE: SEMI-ANNUAL MONITORING REPORT  
APRIL THROUGH SEPTEMBER 2007

Dear Mr. Borgh:

Please find enclosed our Semi-Annual Monitoring Report for 76 Station 5367, located at 500 Bancroft Avenue, San Leandro, California. If you have any questions regarding this report, please call us at (949) 727-9336.

Sincerely,

TRC

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

Anju Farfan  
Groundwater Program Operations Manager

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

Enclosures  
20-0400/5367RO10.QMS

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

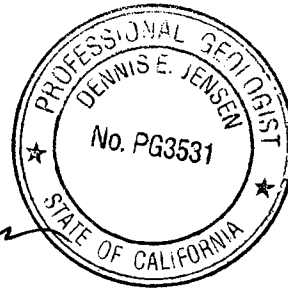
76 STATION 5367  
500 Bancroft Avenue  
San Leandro, California

Prepared For:

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

By:

*Dennis E. Jensen*



Senior Project Geologist, Irvine Operations  
July 23, 2007



## 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 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 – 7/2/07 Groundwater Sampling Field Notes – 7/2/07
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 5367**  
**500 Bancroft Avenue**  
**San Leandro, CA**

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

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

Date(s) of Gauging/Sampling Event: **7/2/2007**

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**Sample Points**

Groundwater wells: **5 onsite, 5 offsite**      Wells gauged: **10**      Wells sampled: **10**  
Purging method: **Submersible pump/bailer**  
Purge water disposal: **Onyx/Rodeo Unit 100**  
Other Sample Points: **0**      Type: **n/a**

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**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**

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**Hydrogeologic Parameters**

Depth to groundwater (below TOC):      Minimum: **28.13 feet**      Maximum: **30.76 feet**  
Average groundwater elevation (relative to available local datum): **28.43 feet**  
Average change in groundwater elevation since previous event: **-0.89 feet**  
Interpreted groundwater gradient and flow direction:  
    Current event: **0.002 ft/ft, west**  
    Previous event: **0.002 ft/ft, west (1/29/2007)**

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**Selected Laboratory Results**

Wells with detected **Benzene**: **1**      Wells above MCL (1.0 µg/l): **1**  
    Maximum reported benzene concentration: **10 µg/l (MW-1)**  
  
Wells with **TPH-G by GC/MS** **1**      Maximum: **8,800 µg/l (MW-1)**  
Wells with **MTBE 8260B** **0**

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**Notes:**

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# TABLES

## TABLE KEY

### STANDARD ABBREVIATIONS

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

### ANALYTES

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

### NOTES

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

### REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 5367 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 5367**

**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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**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)	1,2-DCA (EDC)	DIPE	ETBE	TAME	TDS	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen
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**Table 1**  
**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 2, 2007**  
**76 Station 5367**

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>MW-1</b>	<b>(Screen Interval in feet: 10.0-35.0)</b>													
07/02/07	57.83	29.53	0.00	28.30	-0.90	--	8800	10	ND<6.2	910	170	--	ND<6.2	
<b>MW-2</b>	<b>(Screen Interval in feet: 28.0-48.0)</b>													
07/02/07	58.13	29.37	0.00	28.76	-0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-3</b>	<b>(Screen Interval in feet: 23.0-48.0)</b>													
07/02/07	57.92	29.03	0.00	28.89	-0.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-4</b>	<b>(Screen Interval in feet: 23.0-48.0)</b>													
07/02/07	58.29	29.67	0.00	28.62	-0.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-5</b>	<b>(Screen Interval in feet: 25.0-45.0)</b>													
07/02/07	58.50	29.98	0.00	28.52	-0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-6</b>	<b>(Screen Interval in feet: 25.0-45.0)</b>													
07/02/07	56.96	28.78	0.00	28.18	-0.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-7</b>	<b>(Screen Interval in feet: 24.0-44.0)</b>													
07/02/07	57.25	29.10	0.00	28.15	-0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-8</b>	<b>(Screen Interval in feet: 24.0-44.0)</b>													
07/02/07	57.71	29.39	0.00	28.32	-0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-9</b>	<b>(Screen Interval in feet: 20.0-45.0)</b>													
07/02/07	56.47	28.13	0.00	28.34	-0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-10</b>	<b>(Screen Interval in feet: 20.0-45.0)</b>													
07/02/07	58.94	30.76	0.00	28.18	-0.91	--	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**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-1 (Screen Interval in feet: 10.0-35.0)</b>														
09/23/87	57.83	33.40	0.00	24.43	--	--	--	--	--	--	--	--	--	
09/24/87	57.83	33.24	0.01	24.60	0.17	--	--	--	--	--	--	--	--	
10/06/87	57.83	33.39	0.01	24.45	-0.15	--	--	--	--	--	--	--	--	
11/05/87	57.83	34.14	0.31	23.92	-0.52	--	--	--	--	--	--	--	--	
11/13/87	57.83	34.15	0.38	23.97	0.04	--	--	--	--	--	--	--	--	
11/19/87	57.83	33.89	0.06	23.99	0.02	--	--	--	--	--	--	--	--	
04/27/88	57.83	32.40	0.01	25.44	1.45	--	--	--	--	--	--	--	--	
09/07/88	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
10/03/88	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
01/27/89	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
02/16/90	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
07/19/90	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
08/24/90	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
11/30/90	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
02/06/91	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
05/06/91	57.83	33.00	0.00	24.83	--	--	--	--	--	--	--	--	--	
09/27/91	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
03/31/92	57.83	31.00	0.00	26.83	--	330000	--	8200	33000	6800	36000	--	--	
06/18/92	57.83	32.76	0.00	25.07	-1.76	680000	--	9000	40000	7600	44000	--	--	
10/16/92	57.83	--	--	--	--	--	--	--	--	--	--	--	--	
11/18/92	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
03/03/93	57.83	26.03	0.00	31.80	--	330000	--	3800	21000	4200	24000	--	--	Dry well
06/25/93	57.83	28.36	0.00	29.47	-2.33	160000	--	4300	36000	5800	34000	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-1 continued</b>														
09/03/93	57.83	30.80	0.00	27.03	-2.44	160000	--	3900	41000	6800	38000	--	--	
12/13/93	57.83	32.73	0.00	25.10	-1.93	140000	--	3600	37000	7100	40000	--	--	
03/18/94	57.83	30.10	0.00	27.73	2.63	99000	--	3800	37000	6800	36000	--	--	
06/23/94	57.83	31.32	0.00	26.51	-1.22	150000	--	2500	33000	6400	37000	--	--	
09/21/94	57.83	33.21	0.00	24.62	-1.89	110000	--	2500	23000	4500	25000	--	--	
12/19/94	57.83	30.97	0.00	26.86	2.24	200000	--	2400	28000	6600	37000	--	--	
03/27/95	57.83	22.77	0.00	35.06	8.20	88000	--	1500	20000	4200	25000	--	--	
06/26/95	57.83	25.69	0.00	32.14	-2.92	130000	--	1000	23000	5600	33000	--	--	
07/28/95	57.83	26.97	0.00	30.86	-1.28	--	--	--	--	--	--	--	--	
09/28/95	57.83	29.55	0.00	28.28	-2.58	100000	--	810	21000	6500	37000	--	--	
10/24/95	57.83	29.99	0.00	27.84	-0.44	--	--	--	--	--	--	--	--	
12/29/95	57.83	30.40	0.00	27.43	-0.41	110000	--	990	22000	8300	47000	--	--	
03/27/96	57.83	22.29	0.00	35.54	8.11	120000	--	920	17000	7100	41000	180	180	
09/21/96	57.83	29.44	0.00	28.39	-7.15	110000	--	270	3500	5900	16000	260	260	
03/31/97	57.83	24.18	0.00	33.65	5.26	82000	--	240	8700	3800	23000	ND	--	
09/27/97	57.83	31.86	0.00	25.97	-7.68	81000	--	ND	1000	5900	31000	ND	--	
03/20/98	57.83	16.88	0.00	40.95	14.98	52000	--	ND	350	2900	14000	ND	--	
09/09/98	57.83	26.21	0.00	31.62	-9.33	59000	--	51	64	6000	4800	ND	--	
03/11/99	57.83	23.60	0.00	34.23	2.61	60000	--	130	ND	2900	12000	ND	--	
09/08/99	57.83	28.70	0.00	29.13	-5.10	74000	--	ND	ND	2600	10000	ND	--	
03/24/00	57.83	21.61	0.00	36.22	7.09	37000	--	ND	ND	1980	6880	ND	--	
09/15/00	57.83	28.19	0.00	29.64	-6.58	45800	--	ND	ND	3150	10500	ND	--	
03/16/01	57.83	25.59	0.00	32.24	2.60	37500	--	76.2	16.6	2010	7330	ND	--	
08/31/01	57.83	29.03	0.00	28.80	-3.44	62000	--	79	ND<50	3000	13000	ND<250	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-1 continued</b>														
03/15/02	57.83	25.58	0.00	32.25	3.45	26000	--	43	22	2400	10000	ND<100	--	
09/26/02	57.83	29.51	0.00	28.32	-3.93	--	56000	31	ND<25	2500	11000	--	ND<100	
03/16/03	57.83	26.71	0.00	31.12	2.80	--	43000	ND<250	ND<250	2200	6800	--	ND<1000	
09/03/03	57.83	29.54	0.00	28.29	-2.83	--	55000	ND<50	ND<50	2200	4200	--	ND<200	
03/11/04	57.83	25.57	0.00	32.26	3.97	--	23000	10	ND<5.0	1100	2100	--	ND<20	
09/24/04	57.83	31.20	0.00	26.63	-5.63	--	29000	15	ND<10	1900	1100	--	ND<10	
03/29/05	57.83	23.38	0.00	34.45	7.82	--	26000	15	ND<10	990	260	--	ND<10	
09/12/05	57.83	28.13	0.00	29.70	-4.75	--	15000	13	1.3	1100	110	--	0.93	
03/27/06	57.83	21.38	0.00	36.45	6.75	--	11000	7.6	1.0	590	90	--	ND<0.50	
09/08/06	57.83	26.73	0.00	31.10	-5.35	--	9000	4.7	4.0	460	82	--	ND<0.50	
01/29/07	57.83	28.63	0.00	29.20	-1.90	--	10000	9.2	ND<5.0	990	310	--	ND<5.0	
07/02/07	57.83	29.53	0.00	28.30	-0.90	--	8800	10	ND<6.2	910	170	--	ND<6.2	
<b>MW-2 (Screen Interval in feet: 28.0-48.0)</b>														
10/03/88	58.13	36.04	0.00	22.09	--	1760	--	47.8	7.4	20.9	81.6	--	--	
01/27/89	58.13	34.77	0.00	23.36	1.27	510	--	58	8.7	22.6	20.3	--	--	
02/16/90	58.13	34.50	0.00	23.63	0.27	840	--	50	0.5	28	44	--	--	
05/01/90	58.13	--	--	--	--	1000	--	39	ND	32	52	--	--	
07/19/90	58.13	35.72	0.00	22.41	--	--	--	--	--	--	--	--	--	
08/24/90	58.13	36.30	0.00	21.83	-0.58	330	--	17	ND	19	20	--	--	
11/30/90	58.13	37.40	0.00	20.73	-1.10	400	--	41	ND	39	37	--	--	
02/07/91	58.13	37.27	0.00	20.86	0.13	510	--	40	ND	29	44	--	--	
05/06/91	58.13	33.31	0.00	24.82	3.96	2300	--	150	10	52	110	--	--	
09/27/91	58.13	36.86	0.00	21.27	-3.55	110	--	2.6	ND	5.6	5.1	--	--	
12/27/91	58.13	37.66	0.00	20.47	-0.80	170	--	3.9	ND	7.3	60	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-2 continued</b>														
03/31/92	58.13	37.66	0.00	20.47	0.00	--	--	--	--	--	--	--	--	
06/18/92	58.13	31.27	0.00	26.86	6.39	1200	--	35	1.6	56	26	--	--	
09/30/92	58.13	--	--	--	--	820	--	21	ND	42	25	--	--	
10/16/92	58.13	35.87	0.00	22.26	--	--	--	--	--	--	--	--	--	
11/18/92	58.13	36.24	0.00	21.89	-0.37	65	--	1.2	ND	2.8	1.4	--	--	
03/03/93	58.13	26.30	0.00	31.83	9.94	4200	--	62	2.9	97	120	--	--	
06/25/93	58.13	28.40	0.00	29.73	-2.10	4000	--	110	ND	320	280	--	--	
09/03/93	58.13	31.10	0.00	27.03	-2.70	1400	--	31	4.3	99	53	--	--	
12/13/93	58.13	33.03	0.00	25.10	-1.93	260	--	7.7	0.83	17	23	--	--	
03/18/94	58.13	30.34	0.00	27.79	2.69	250	--	6.4	0.64	28	24	--	--	
06/23/94	58.13	31.63	0.00	26.50	-1.29	420	--	3.9	0.66	23	11	--	--	
09/21/94	58.13	33.52	0.00	24.61	-1.89	ND	--	ND	ND	ND	ND	--	--	
12/19/94	58.13	31.26	0.00	26.87	2.26	190	--	1.9	ND	15	6.8	--	--	
03/27/95	58.13	23.02	0.00	35.11	8.24	ND	--	ND	0.55	1.2	2.5	--	--	
06/26/95	58.13	25.98	0.00	32.15	-2.96	ND	--	ND	0.93	0.88	3.4	--	--	
07/28/95	58.13	27.26	0.00	30.87	-1.28	--	--	--	--	--	--	--	--	
09/28/95	58.13	29.77	0.00	28.36	-2.51	730	--	2.9	--	41	29	--	--	
10/24/95	58.13	30.56	0.00	27.57	-0.79	--	--	--	--	--	--	--	--	
12/29/95	58.13	30.25	0.00	27.88	0.31	860	--	4.3	1	27	50	--	--	
03/27/96	58.13	22.30	0.00	35.83	7.95	--	--	--	--	--	--	--	--	
09/21/96	58.13	29.47	0.00	28.66	-7.17	--	--	--	--	--	--	--	--	Connected to system
03/31/97	58.13	24.20	0.00	33.93	5.27	ND	--	ND	ND	ND	ND	ND	--	Connected to system
09/27/97	58.13	31.07	0.00	27.06	-6.87	ND	--	ND	ND	ND	ND	ND	--	
03/20/98	58.13	16.73	0.00	41.40	14.34	ND	--	ND	ND	ND	ND	ND	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-2 continued</b>														
09/09/98	58.13	26.03	0.00	32.10	-9.30	ND	--	ND	0.54	ND	0.57	ND	--	
03/11/99	58.13	23.46	0.00	34.67	2.57	ND	--	ND	0.59	ND	1.1	ND	--	
09/08/99	58.13	28.53	0.00	29.60	-5.07	ND	--	ND	ND	ND	ND	ND	--	
03/24/00	58.13	21.45	0.00	36.68	7.08	ND	--	ND	ND	ND	ND	ND	--	
09/15/00	58.13	28.02	0.00	30.11	-6.57	ND	--	ND	ND	ND	ND	ND	--	
03/16/01	58.13	25.41	0.00	32.72	2.61	ND	--	ND	ND	ND	ND	ND	--	
08/31/01	58.13	28.74	0.00	29.39	-3.33	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
03/15/02	58.13	25.45	0.00	32.68	3.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
09/26/02	58.13	29.36	0.00	28.77	-3.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/16/03	58.13	26.58	0.00	31.55	2.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/03/03	58.13	29.34	0.00	28.79	-2.76	--	ND<50	ND<0.50	0.71	ND<0.50	ND<1	--	ND<2	
03/11/04	58.13	25.41	0.00	32.72	3.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/24/04	58.13	31.05	0.00	27.08	-5.64	--	66	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/29/05	58.13	23.25	0.00	34.88	7.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/12/05	58.13	27.98	0.00	30.15	-4.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/27/06	58.13	21.22	0.00	36.91	6.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/08/06	58.13	26.56	0.00	31.57	-5.34	--	56	ND<0.50	ND<0.50	0.71	ND<0.50	--	ND<0.50	
01/29/07	58.13	28.46	0.00	29.67	-1.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
07/02/07	58.13	29.37	0.00	28.76	-0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-3 (Screen Interval in feet: 23.0-48.0)</b>														
10/03/88	57.92	35.86	0.00	22.06	--	61000	--	1060	3380	1520	8720	--	--	
01/27/89	57.92	34.60	0.00	23.32	1.26	39000	--	1570	2830	1250	7070	--	--	
02/16/90	57.92	35.23	0.00	22.69	-0.63	22000	--	710	4100	6900	33000	--	--	
05/01/90	57.92	--	--	--	--	19000	--	330	170	310	1500	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-3 continued</b>														
07/19/90	57.92	35.50	0.00	22.42	--	--	--	--	--	--	--	--	--	
08/24/90	57.92	36.08	0.00	21.84	-0.58	19000	--	480	160	510	1500	--	--	
11/30/90	57.92	37.17	0.00	20.75	-1.09	13000	--	390	81	410	1000	--	--	
02/06/91	57.92	37.07	0.00	20.85	0.10	13000	--	310	150	380	1200	--	--	
05/06/91	57.92	33.11	0.00	24.81	3.96	39000	--	1000	570	930	3900	--	--	
09/27/91	57.92	36.64	0.00	21.28	-3.53	4000	--	160	84	180	560	--	--	
12/27/91	57.92	37.46	0.00	20.46	-0.82	31000	--	240	280	400	1600	--	--	
03/31/92	57.92	31.10	0.00	26.82	6.36	100000	--	1900	1900	2300	9400	--	--	
06/18/92	57.92	32.83	0.00	25.09	-1.73	180000	--	2200	1700	2300	1100	--	--	
09/30/92	57.92	--	--	--	--	36000	--	730	200	1000	4400	--	--	
10/16/92	57.92	35.66	0.00	22.26	--	--	--	--	--	--	--	--	--	
11/18/92	57.92	36.04	0.00	21.88	-0.38	24000	--	430	160	640	2800	--	--	
03/03/93	57.92	26.11	0.00	31.81	9.93	96000	--	1400	1900	1400	8400	--	--	
06/25/93	57.92	28.43	0.00	29.49	-2.32	27000	--	1200	980	1700	6900	--	--	
09/03/93	57.92	30.88	0.00	27.04	-2.45	82000	--	2400	3400	4200	21000	--	--	
12/13/93	57.92	32.82	0.00	25.10	-1.94	49000	--	1300	360	2300	9200	--	--	
03/18/94	57.92	30.17	0.00	27.75	2.65	22000	--	1200	430	2200	9700	--	--	
06/23/94	57.92	31.42	0.00	26.50	-1.25	37000	--	1300	670	3100	14000	--	--	
09/21/94	57.92	33.30	0.00	24.62	-1.88	24000	--	890	110	2200	8800	--	--	
12/19/94	57.92	31.07	0.00	26.85	2.23	100000	--	1200	2900	4200	23000	--	--	
03/27/95	57.92	22.78	0.00	35.14	8.29	33000	--	410	66	1600	6500	--	--	
06/26/95	57.92	25.78	0.00	32.14	-3.00	14000	--	300	ND	1300	3900	--	--	
07/28/95	57.92	27.06	0.00	30.86	-1.28	--	--	--	--	--	--	--	--	
09/28/95	57.92	29.57	0.00	28.35	-2.51	17000	--	730	30	4000	8800	--	--	

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**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-3 continued</b>														
10/24/95	57.92	30.34	0.00	27.58	-0.77	--	--	--	--	--	--	--	--	
12/29/95	57.92	29.91	0.00	28.01	0.43	55000	--	700	ND	4900	16000	--	--	
03/27/96	57.92	21.99	0.00	35.93	7.92	--	--	--	--	--	--	--	--	Connected to system
09/21/96	57.92	29.15	0.00	28.77	-7.16	34000	--	140	ND	2200	6600	1800	--	
03/31/97	57.92	23.86	0.00	34.06	5.29	17000	--	58	110	530	1500	ND	--	
09/27/97	57.92	30.76	0.00	27.16	-6.90	11000	--	19	ND	850	420	140	--	
03/20/98	57.92	16.39	0.00	41.53	14.37	ND	--	ND	ND	ND	ND	74	--	
09/09/98	57.92	25.70	0.00	32.22	-9.31	ND	--	ND	ND	ND	ND	ND	--	
03/11/99	57.92	23.12	0.00	34.80	2.58	7300	--	ND	ND	320	210	ND	--	
09/08/99	57.92	28.21	0.00	29.71	-5.09	7900	--	ND	ND	ND	160	ND	--	
03/24/00	57.92	21.12	0.00	36.80	7.09	3310	--	5.4	ND	101	43.3	ND	--	
09/15/00	57.92	27.68	0.00	30.24	-6.56	1540	--	ND	ND	56.4	ND	ND	12.6	
03/16/01	57.92	25.09	0.00	32.83	2.59	678	--	3.14	1	16.4	14.6	42.9	--	
08/31/01	57.92	28.53	0.00	29.39	-3.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
03/15/02	57.92	25.05	0.00	32.87	3.48	1500	--	ND<2.50	ND<2.50	43	ND<2.50	ND<12	--	
09/26/02	57.92	28.98	0.00	28.94	-3.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/16/03	57.92	26.19	0.00	31.73	2.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/03/03	57.92	29.04	0.00	28.88	-2.85	--	1300	ND<0.50	0.53	19	ND<1	--	5.9	
03/11/04	57.92	25.03	0.00	32.89	4.01	--	130	ND<0.50	ND<0.50	1.1	ND<1.0	--	ND<2.0	
09/24/04	57.92	30.70	0.00	27.22	-5.67	--	640	ND<0.50	ND<0.50	6.5	ND<1.0	--	1.1	
03/29/05	57.92	22.80	0.00	35.12	7.90	--	73	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/12/05	57.92	27.63	0.00	30.29	-4.83	--	160	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.2	
03/27/06	57.92	20.83	0.00	37.09	6.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/08/06	57.92	26.21	0.00	31.71	-5.38	--	65	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-3 continued</b>														
01/29/07	57.92	28.14	0.00	29.78	-1.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
07/02/07	57.92	29.03	0.00	28.89	-0.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-4 (Screen Interval in feet: 23.0-48.0)</b>														
10/03/88	58.29	36.12	0.00	22.17	--	ND	--	ND	ND	ND	ND	--	--	
01/27/89	58.29	34.87	0.00	23.42	1.25	ND	--	ND	ND	ND	ND	--	--	
02/16/90	58.29	35.60	0.00	22.69	-0.73	ND	--	ND	ND	ND	ND	--	--	
05/01/90	58.29	--	--	--	--	ND	--	ND	ND	0.68	1.4	--	--	
07/19/90	58.29	35.78	0.00	22.51	--	--	--	--	--	--	--	--	--	
08/24/90	58.29	36.35	0.00	21.94	-0.57	ND	--	ND	ND	ND	ND	--	--	
11/30/90	58.29	37.46	0.00	20.83	-1.11	ND	--	ND	ND	ND	1.2	--	--	
02/06/91	58.29	37.40	0.00	20.89	0.06	ND	--	ND	ND	ND	ND	--	--	
05/06/91	58.29	33.39	0.00	24.90	4.01	--	--	--	--	--	--	--	--	
09/27/91	58.29	36.90	0.00	21.39	-3.51	ND	--	ND	ND	ND	ND	--	--	
12/27/91	58.29	37.76	0.00	20.53	-0.86	ND	--	ND	ND	ND	ND	--	--	
03/31/92	58.29	31.41	0.00	26.88	6.35	ND	--	ND	ND	ND	ND	--	--	
06/18/92	58.29	33.09	0.00	25.20	-1.68	ND	--	ND	ND	ND	ND	--	--	
10/16/92	58.29	35.92	0.00	22.37	-2.83	ND	--	ND	ND	ND	ND	--	--	
11/18/92	58.29	36.33	0.00	21.96	-0.41	--	--	--	--	--	--	--	--	
03/03/93	58.29	26.43	0.00	31.86	9.90	68	--	0.9	0.6	ND	1.9	--	--	
06/25/93	58.29	28.60	0.00	29.69	-2.17	--	--	--	--	--	--	--	--	
09/03/93	58.29	31.05	0.00	27.24	-2.45	86	--	14	13	1.4	7.1	--	--	
12/13/93	58.29	33.09	0.00	25.20	-2.04	--	--	--	--	--	--	--	--	Sampled semi-annually
03/18/94	58.29	30.42	0.00	27.87	2.67	ND	--	ND	ND	ND	ND	--	--	
06/23/94	58.29	31.95	0.00	26.34	-1.53	--	--	--	--	--	--	--	--	



**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-4 continued</b>														
09/21/94	58.29	33.86	0.00	24.43	-1.91	ND	--	ND	0.78	ND	0.81	--	--	
12/19/94	58.29	31.72	0.00	26.57	2.14	--	--	--	--	--	--	--	--	
03/27/95	58.29	23.44	0.00	34.85	8.28	ND	--	ND	0.79	0.51	3.1	--	--	
06/26/95	58.29	26.26	0.00	32.03	-2.82	--	--	--	--	--	--	--	--	
07/28/95	58.29	27.53	0.00	30.76	-1.27	--	--	--	--	--	--	--	--	
09/28/95	58.29	30.05	0.00	28.24	-2.52	ND	--	ND	ND	ND	ND	--	--	
10/24/95	58.29	30.79	0.00	27.50	-0.74	--	--	--	--	--	--	--	--	
12/29/95	58.29	30.96	0.00	27.33	-0.17	--	--	--	--	--	--	--	--	
03/27/96	58.29	22.71	0.00	35.58	8.25	ND	--	ND	0.7	ND	0.79	ND	--	
09/21/96	58.29	29.88	0.00	28.41	-7.17	ND	--	ND	ND	ND	ND	ND	--	
03/31/97	58.29	24.72	0.00	33.57	5.16	ND	--	ND	ND	ND	ND	ND	--	
09/27/97	58.29	31.68	0.00	26.61	-6.96	ND	--	ND	ND	ND	ND	ND	--	
03/20/98	58.29	17.27	0.00	41.02	14.41	ND	--	ND	ND	ND	ND	ND	--	
09/09/98	58.29	26.58	0.00	31.71	-9.31	ND	--	ND	ND	ND	0.65	3	--	
03/11/99	58.29	24.12	0.00	34.17	2.46	ND	--	ND	0.7	ND	1.2	ND	--	
09/08/99	58.29	29.18	0.00	29.11	-5.06	ND	--	ND	ND	ND	0.78	ND	--	
03/24/00	58.29	22.08	0.00	36.21	7.10	ND	--	ND	ND	ND	ND	ND	--	
09/15/00	58.29	28.63	0.00	29.66	-6.55	ND	--	ND	1.36	ND	1.46	ND	--	
03/16/01	58.29	26.14	0.00	32.15	2.49	ND	--	ND	ND	ND	ND	ND	--	
08/31/01	58.29	29.27	0.00	29.02	-3.13	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
03/15/02	58.29	26.07	0.00	32.22	3.20	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
09/26/02	58.29	29.95	0.00	28.34	-3.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/16/03	58.29	27.20	0.00	31.09	2.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/03/03	58.29	29.99	0.00	28.30	-2.79	--	ND<50	ND<0.50	0.58	ND<0.50	ND<1	--	ND<2	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-4 continued</b>														
03/11/04	58.29	26.07	0.00	32.22	3.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/24/04	58.29	31.71	0.00	26.58	-5.64	--	62	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/29/05	58.29	23.93	0.00	34.36	7.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/12/05	58.29	28.21	0.00	30.08	-4.28	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/27/06	58.29	21.49	0.00	36.80	6.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/08/06	58.29	26.81	0.00	31.48	-5.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
01/29/07	58.29	28.79	0.00	29.50	-1.98	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
07/02/07	58.29	29.67	0.00	28.62	-0.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-5 (Screen Interval in feet: 25.0-45.0)</b>														
02/16/90	58.50	35.89	0.00	22.61	--	67	--	0.51	1.6	2.9	7.5	--	--	
05/01/90	58.50	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/19/90	58.50	36.10	0.00	22.40	--	--	--	--	--	--	--	--	--	
08/24/90	58.50	36.67	0.00	21.83	-0.57	ND	--	ND	ND	ND	ND	--	--	
11/30/90	58.50	37.74	0.00	20.76	-1.07	ND	--	ND	0.7	ND	ND	--	--	
02/06/91	58.50	37.62	0.00	20.88	0.12	ND	--	ND	ND	ND	ND	--	--	
05/06/91	58.50	33.67	0.00	24.83	3.95	--	--	--	--	--	--	--	--	
09/27/91	58.50	37.23	0.00	21.27	-3.56	ND	--	ND	ND	ND	ND	--	--	
12/27/91	58.50	38.02	0.00	20.48	-0.79	ND	--	ND	ND	ND	ND	--	--	
03/31/92	58.50	31.62	0.00	26.88	6.40	ND	--	ND	ND	ND	1.1	--	--	
06/18/92	58.50	33.46	0.00	25.04	-1.84	--	--	--	--	--	--	--	--	
10/16/92	58.50	36.23	0.00	22.27	-2.77	ND	--	ND	ND	ND	ND	--	--	
11/18/92	58.50	36.62	0.00	21.88	-0.39	--	--	--	--	--	--	--	--	
03/03/93	58.50	26.62	0.00	31.88	10.00	ND	--	ND	ND	ND	ND	--	--	
06/25/93	58.50	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-5 continued</b>														
09/03/93	58.50	31.45	0.00	27.05	--	ND	--	ND	1.5	ND	7.9	--	--	Sampled semi-annually
12/13/93	58.50	33.39	0.00	25.11	-1.94	--	--	--	--	--	--	--	--	
03/18/94	58.50	30.67	0.00	27.83	2.72	ND	--	ND	ND	ND	ND	--	--	
06/23/94	58.50	32.00	0.00	26.50	-1.33	--	--	--	--	--	--	--	--	
09/21/94	58.50	33.90	0.00	24.60	-1.90	ND	--	ND	0.98	ND	1.6	--	--	
12/19/94	58.50	31.63	0.00	26.87	2.27	--	--	--	--	--	--	--	--	
03/27/95	58.50	23.44	0.00	35.06	8.19	ND	--	ND	0.66	ND	2.9	--	--	
06/26/95	58.50	26.35	0.00	32.15	-2.91	--	--	--	--	--	--	--	--	
07/28/95	58.50	27.63	0.00	30.87	-1.28	--	--	--	--	--	--	--	--	
09/28/95	58.50	30.15	0.00	28.35	-2.52	ND	--	ND	ND	ND	ND	--	--	
10/24/95	58.50	30.98	0.00	27.52	-0.83	--	--	--	--	--	--	--	--	
12/29/95	58.50	30.87	0.00	27.63	0.11	--	--	--	--	--	--	--	--	
03/27/96	58.50	22.75	0.00	35.75	8.12	ND	--	ND	1.7	ND	2.4	ND	--	
09/21/96	58.50	29.95	0.00	28.55	-7.20	ND	--	ND	ND	ND	ND	ND	--	
03/31/97	58.50	24.80	0.00	33.70	5.15	ND	--	ND	ND	ND	ND	ND	--	
09/27/97	58.50	31.65	0.00	26.85	-6.85	ND	--	ND	ND	ND	ND	ND	--	
03/20/98	58.50	17.31	0.00	41.19	14.34	ND	--	ND	ND	ND	ND	ND	--	
09/09/98	58.50	26.63	0.00	31.87	-9.32	ND	--	ND	ND	ND	ND	ND	--	
03/11/99	58.50	24.08	0.00	34.42	2.55	ND	--	ND	0.96	ND	1.7	ND	--	
09/08/99	58.50	29.16	0.00	29.34	-5.08	ND	--	ND	ND	ND	ND	ND	--	
03/24/00	58.50	22.06	0.00	36.44	7.10	ND	--	ND	ND	ND	0.957	ND	--	
09/15/00	58.50	28.64	0.00	29.86	-6.58	ND	--	ND	ND	ND	ND	ND	--	
03/16/01	58.50	26.05	0.00	32.45	2.59	ND	--	ND	ND	ND	ND	ND	--	
08/31/01	58.50	29.32	0.00	29.18	-3.27	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	

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**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-5 continued</b>														
03/15/02	58.50	26.08	0.00	32.42	3.24	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
09/26/02	58.50	29.96	0.00	28.54	-3.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/16/03	58.50	27.24	0.00	31.26	2.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/03/03	58.50	30.04	0.00	28.46	-2.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
03/11/04	58.50	26.05	0.00	32.45	3.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/24/04	58.50	31.66	0.00	26.84	-5.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/29/05	58.50	23.94	0.00	34.56	7.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.5	--	ND<0.50	
09/12/05	58.50	28.59	0.00	29.91	-4.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/27/06	58.50	21.59	0.00	36.91	7.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/08/06	58.50	27.15	0.00	31.35	-5.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
01/29/07	58.50	29.08	0.00	29.42	-1.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
07/02/07	58.50	29.98	0.00	28.52	-0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-6 (Screen Interval in feet: 25.0-45-0)</b>														
02/16/90	56.96	34.50	0.00	22.46	--	ND	--	ND	ND	ND	ND	--	--	
05/01/90	56.96	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/19/90	56.96	34.74	0.00	22.22	--	ND	--	ND	ND	ND	ND	--	--	
08/24/90	56.96	35.32	0.00	21.64	-0.58	ND	--	ND	ND	ND	ND	--	--	
11/30/90	56.96	36.38	0.00	20.58	-1.06	ND	--	ND	ND	ND	ND	--	--	
02/06/91	56.96	36.27	0.00	20.69	0.11	ND	--	ND	ND	ND	ND	--	--	
05/06/91	56.96	32.41	0.00	24.55	3.86	--	--	--	--	--	--	--	--	
09/27/91	56.96	35.87	0.00	21.09	-3.46	ND	--	ND	ND	ND	ND	--	--	
12/27/91	56.96	36.67	0.00	20.29	-0.80	ND	--	ND	ND	ND	ND	--	--	
03/31/92	56.96	30.32	0.00	26.64	6.35	ND	--	ND	1.3	ND	2	--	--	
06/18/92	56.96	32.18	0.00	24.78	-1.86	ND	--	ND	ND	ND	ND	--	--	

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**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-6 continued</b>														
10/16/92	56.96	34.92	0.00	22.04	-2.74	ND	--	ND	ND	ND	ND	--	--	
11/18/92	56.96	35.28	0.00	21.68	-0.36	--	--	--	--	--	--	--	--	
03/03/93	56.96	25.43	0.00	31.53	9.85	ND	--	ND	ND	ND	ND	--	--	
06/25/93	56.96	27.86	0.00	29.10	-2.43	--	--	--	--	--	--	--	--	
09/03/93	56.96	30.25	0.00	26.71	-2.39	ND	--	ND	ND	ND	ND	--	--	
12/13/93	56.96	32.14	0.00	24.82	-1.89	--	--	--	--	--	--	--	--	Sampled semi-annually
03/18/94	56.96	29.46	0.00	27.50	2.68	ND	--	ND	0.93	ND	1.4	--	--	
06/23/94	56.96	30.76	0.00	26.20	-1.30	--	--	--	--	--	--	--	--	
09/21/94	56.96	32.62	0.00	24.34	-1.86	ND	--	ND	ND	ND	ND	--	--	
12/19/94	56.96	30.32	0.00	26.64	2.30	--	--	--	--	--	--	--	--	
03/27/95	56.96	22.10	0.00	34.86	8.22	56	--	ND	0.65	ND	3.3	--	--	
06/26/95	56.96	25.20	0.00	31.76	-3.10	--	--	--	--	--	--	--	--	
07/28/95	56.96	26.48	0.00	30.48	-1.28	--	--	--	--	--	--	--	--	
09/28/95	56.96	28.92	0.00	28.04	-2.44	ND	--	ND	ND	ND	ND	--	--	
10/24/95	56.96	29.73	0.00	27.23	-0.81	--	--	--	--	--	--	--	--	
12/29/95	56.96	29.62	0.00	27.34	0.11	--	--	--	--	--	--	--	--	
03/27/96	56.96	21.59	0.00	35.37	8.03	50	--	ND	0.92	ND	0.96	ND	--	
09/21/96	56.96	28.72	0.00	28.24	-7.13	ND	--	ND	ND	ND	ND	ND	--	
03/31/97	56.96	23.72	0.00	33.24	5.00	73	--	0.67	0.82	ND	ND	ND	--	
09/27/97	56.96	30.52	0.00	26.44	-6.80	ND	--	ND	ND	ND	ND	ND	--	
03/20/98	56.96	16.35	0.00	40.61	14.17	ND	--	ND	ND	ND	ND	ND	--	
09/09/98	56.96	25.53	0.00	31.43	-9.18	ND	--	ND	0.64	ND	0.65	3.3	--	
03/11/99	56.96	22.85	0.00	34.11	2.68	ND	--	ND	0.71	ND	1.4	ND	--	
09/08/99	56.96	28.01	0.00	28.95	-5.16	ND	--	ND	ND	ND	ND	ND	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-6 continued</b>														
03/24/00	56.96	20.93	0.00	36.03	7.08	ND	--	ND	ND	ND	ND	ND	--	
09/15/00	56.96	27.51	0.00	29.45	-6.58	ND	--	ND	ND	ND	ND	ND	--	
03/16/01	56.96	24.87	0.00	32.09	2.64	ND	--	ND	ND	ND	ND	ND	--	
08/31/01	56.96	28.20	0.00	28.76	-3.33	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
03/15/02	56.96	24.82	0.00	32.14	3.38	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
09/26/02	56.96	28.72	0.00	28.24	-3.90	--	84	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/16/03	56.96	26.00	0.00	30.96	2.72	--	52	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/03/03	56.96	28.78	0.00	28.18	-2.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
03/11/04	56.96	24.78	0.00	32.18	4.00	--	69	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/24/04	56.96	30.42	0.00	26.54	-5.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/29/05	56.96	25.66	0.00	31.30	4.76	--	170	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/12/05	56.96	27.41	0.00	29.55	-1.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/27/06	56.96	21.42	0.00	35.54	5.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/08/06	56.96	26.02	0.00	30.94	-4.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
01/29/07	56.96	27.91	0.00	29.05	-1.89	--	87	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
07/02/07	56.96	28.78	0.00	28.18	-0.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-7 (Screen Interval in feet: 24.0-44.0)</b>														
02/16/90	57.25	35.75	0.00	21.50	--	ND	--	ND	ND	ND	ND	--	--	
05/01/90	57.25	--	--	--	--	24	--	ND	ND	0.74	1.7	--	--	
07/19/90	57.25	35.03	0.00	22.22	--	--	--	--	--	--	--	--	--	
08/24/90	57.25	35.64	0.00	21.61	-0.61	ND	--	ND	ND	ND	ND	--	--	
11/30/90	57.25	36.68	0.00	20.57	-1.04	ND	--	ND	ND	0.6	1.5	--	--	
02/06/91	57.25	36.55	0.00	20.70	0.13	ND	--	ND	ND	ND	ND	--	--	
05/06/91	57.25	32.69	0.00	24.56	3.86	ND	--	ND	ND	ND	ND	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-7 continued</b>														
09/27/91	57.25	36.18	0.00	21.07	-3.49	ND	--	ND	ND	ND	ND	--	--	
12/27/91	57.25	36.96	0.00	20.29	-0.78	ND	--	ND	ND	ND	ND	--	--	
03/31/92	57.25	30.56	0.00	26.69	6.40	ND	--	ND	ND	ND	0.9	--	--	
06/18/92	57.25	32.52	0.00	24.73	-1.96	--	--	--	--	--	--	--	--	
10/16/92	57.25	35.24	0.00	22.01	-2.72	ND	--	ND	ND	ND	ND	--	--	
11/18/92	57.25	35.59	0.00	21.66	-0.35	--	--	--	--	--	--	--	--	
03/03/93	57.25	25.66	0.00	31.59	9.93	ND	--	ND	ND	ND	ND	--	--	
06/25/93	57.25	28.25	0.00	29.00	-2.59	--	--	--	--	--	--	--	--	
09/03/93	57.25	30.60	0.00	26.65	-2.35	ND	--	ND	ND	ND	ND	--	--	
12/13/93	57.25	32.45	0.00	24.80	-1.85	--	--	--	--	--	--	--	--	Sampled semi-annually
03/18/94	57.25	29.76	0.00	27.49	2.69	ND	--	ND	ND	ND	ND	--	--	
06/23/94	57.25	31.10	0.00	26.15	-1.34	--	--	--	--	--	--	--	--	
09/21/94	57.25	32.96	0.00	24.29	-1.86	ND	--	0.5	ND	ND	0.89	--	--	
12/19/94	57.25	30.60	0.00	26.65	2.36	--	--	--	--	--	--	--	--	
03/27/95	57.25	22.43	0.00	34.82	8.17	ND	--	ND	0.54	ND	1.9	--	--	
06/26/95	57.25	25.55	0.00	31.70	-3.12	--	--	--	--	--	--	--	--	
07/28/95	57.25	26.84	0.00	30.41	-1.29	--	--	--	--	--	--	--	--	
09/28/95	57.25	29.29	0.00	27.96	-2.45	ND	--	ND	ND	ND	ND	--	--	
10/24/95	57.25	30.05	0.00	27.20	-0.76	--	--	--	--	--	--	--	--	
12/29/95	57.25	29.91	0.00	27.34	0.14	--	--	--	--	--	--	--	--	
03/27/96	57.25	21.94	0.00	35.31	7.97	ND	--	ND	1.1	ND	1.7	ND	--	
09/21/96	57.25	29.07	0.00	28.18	-7.13	ND	--	ND	ND	ND	ND	ND	--	
03/31/97	57.25	24.02	0.00	33.23	5.05	ND	--	ND	ND	ND	ND	ND	--	
09/27/97	57.25	30.84	0.00	26.41	-6.82	ND	--	ND	ND	ND	ND	ND	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-7 continued</b>														
03/20/98	57.25	16.68	0.00	40.57	14.16	ND	--	ND	ND	ND	ND	ND	--	
09/09/98	57.25	25.89	0.00	31.36	-9.21	ND	--	ND	ND	ND	ND	4.1	--	
03/11/99	57.25	23.16	0.00	34.09	2.73	ND	--	ND	0.91	ND	1.6	5.7	--	
09/08/99	57.25	28.32	0.00	28.93	-5.16	ND	--	ND	ND	ND	ND	2.7	--	
03/24/00	57.25	21.23	0.00	36.02	7.09	ND	--	ND	ND	ND	ND	ND	--	
09/15/00	57.25	27.83	0.00	29.42	-6.60	ND	--	ND	ND	ND	ND	ND	--	
03/16/01	57.25	25.15	0.00	32.10	2.68	ND	--	ND	ND	ND	ND	ND	--	
08/31/01	57.25	28.49	0.00	28.76	-3.34	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
03/15/02	57.25	24.96	0.00	32.29	3.53	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
09/26/02	57.25	29.09	0.00	28.16	-4.13	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/16/03	57.25	26.33	0.00	30.92	2.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/03/03	57.25	29.14	0.00	28.11	-2.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
03/11/04	57.25	25.09	0.00	32.16	4.05	--	72	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/24/04	57.25	30.73	0.00	26.52	-5.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/29/05	57.25	23.00	0.00	34.25	7.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/12/05	57.25	27.71	0.00	29.54	-4.71	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/27/06	57.25	21.28	0.00	35.97	6.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/08/06	57.25	26.35	0.00	30.90	-5.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
01/29/07	57.25	28.19	0.00	29.06	-1.84	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
07/02/07	57.25	29.10	0.00	28.15	-0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-8 (Screen Interval in feet: 24.0-44.0)</b>														
02/16/90	57.71	35.10	0.00	22.61	--	1900	--	11	ND	52	55	--	--	
05/01/90	57.71	--	--	--	--	770	--	6.5	ND	20	32	--	--	
07/19/90	57.71	35.41	0.00	22.30	--	--	--	--	--	--	--	--	--	



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**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-8 continued</b>														
08/24/90	57.71	36.00	0.00	21.71	-0.59	990	--	13	ND	48	66	--	--	
11/30/90	57.71	37.08	0.00	20.63	-1.08	570	--	13	ND	45	36	--	--	
02/06/91	57.71	36.92	0.00	20.79	0.16	630	--	9.6	ND	35	36	--	--	
05/06/91	57.71	33.03	0.00	24.68	3.89	14000	--	80	ND	250	550	--	--	
09/27/91	57.71	36.55	0.00	21.16	-3.52	720	--	13	4.3	26	26	--	--	
12/27/91	57.71	37.34	0.00	20.37	-0.79	1600	--	15	2.9	40	49	--	--	
03/31/92	57.71	31.93	0.00	25.78	5.41	15000	--	120	1	430	530	--	--	
06/18/92	57.71	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
10/16/92	57.71	35.58	0.00	22.13	--	300	--	0.96	ND	4	3.5	--	--	
11/18/92	57.71	35.94	0.00	21.77	-0.36	1100	--	6.1	ND	13	5.6	--	--	
03/03/93	57.71	26.00	0.00	31.71	9.94	13000	--	33	ND	160	290	--	--	
06/25/93	57.71	28.27	0.00	29.44	-2.27	8100	--	160	ND	580	740	--	--	
09/03/93	57.71	30.90	0.00	26.81	-2.63	9800	--	180	ND	580	700	--	--	
12/13/93	57.71	32.75	0.00	24.96	-1.85	6900	--	180	ND	240	550	--	--	
03/18/94	57.71	30.12	0.00	27.59	2.63	6100	--	85	ND	260	260	--	--	
06/23/94	57.71	31.40	0.00	26.31	-1.28	12000	--	210	ND	610	860	--	--	
09/21/94	57.71	33.30	0.00	24.41	-1.90	6900	--	190	ND	460	510	--	--	
12/19/94	57.71	30.95	0.00	26.76	2.35	6200	--	91	ND	230	210	--	--	
03/27/95	57.71	22.78	0.00	34.93	8.17	9200	--	240	ND	200	1400	--	--	
06/26/95	57.71	24.83	0.00	32.88	-2.05	11000	--	320	ND	680	2000	--	--	
07/28/95	57.71	27.10	0.00	30.61	-2.27	--	--	--	--	--	--	--	--	
09/28/95	57.71	29.58	0.00	28.13	-2.48	10000	--	250	ND	760	910	--	--	
10/24/95	57.71	30.40	0.00	27.31	-0.82	--	--	--	--	--	--	--	--	
12/29/95	57.71	30.25	0.00	27.46	0.15	7500	--	260	ND	580	870	--	--	

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**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-8 continued</b>														
03/27/96	57.71	22.20	0.00	35.51	8.05	970	--	29	0.77	82	85	ND	--	
09/21/96	57.71	29.34	0.00	28.37	-7.14	3800	--	27	ND	46	45	ND	--	
03/31/97	57.71	24.35	0.00	33.36	4.99	ND	--	ND	ND	ND	ND	ND	--	
09/27/97	57.71	31.15	0.00	26.56	-6.80	78	--	0.9	ND	12	ND	ND	--	
03/20/98	57.71	16.84	0.00	40.87	14.31	ND	--	ND	ND	ND	ND	ND	--	
09/09/98	57.71	26.14	0.00	31.57	-9.30	910	--	ND	49	12	2.2	1.5	--	
03/11/99	57.71	23.48	0.00	34.23	2.66	4700	--	9.6	ND	280	95	ND	--	
09/08/99	57.71	28.60	0.00	29.11	-5.12	1900	--	ND	ND	36	ND	ND	--	
03/24/00	57.71	21.49	0.00	36.22	7.11	ND	--	ND	ND	ND	ND	ND	--	
09/15/00	57.71	28.09	0.00	29.62	-6.60	533	--	2.23	ND	6.27	0.684	ND	--	
03/16/01	57.71	25.43	0.00	32.28	2.66	1000	--	ND	ND	17.8	44.5	ND	--	
08/31/01	57.71	28.89	0.00	28.82	-3.46	6500	--	8.6	7.4	420	1900	ND<25	--	
03/15/02	57.71	25.45	0.00	32.26	3.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
09/26/02	57.71	29.37	0.00	28.34	-3.92	--	290	ND<0.50	ND<0.50	0.65	ND<1.0	--	ND<2.0	
03/16/03	57.71	26.65	0.00	31.06	2.72	--	--	--	--	--	--	--	--	Inaccessible
09/03/03	57.71	29.46	0.00	28.25	-2.81	--	450	ND<0.50	0.69	ND<0.50	ND<1.0	--	ND<2.0	
03/11/04	57.71	25.42	0.00	32.29	4.04	--	950	ND<0.50	ND<0.50	15	1.4	--	ND<2.0	
09/24/04	57.71	31.08	0.00	26.63	-5.66	--	230	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/29/05	57.71	23.30	0.00	34.41	7.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/12/05	57.71	28.07	0.00	29.64	-4.77	--	160	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/27/06	57.71	21.28	0.00	36.43	6.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/08/06	57.71	26.61	0.00	31.10	-5.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
01/29/07	57.71	28.48	0.00	29.23	-1.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
07/02/07	57.71	29.39	0.00	28.32	-0.91	--	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**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-9 (Screen Interval in feet: 20.0-45.0)</b>														
12/19/94	56.47	29.71	0.00	26.76	--	ND	--	ND	1.6	1.5	8.4	--	--	
03/27/95	56.47	21.48	0.00	34.99	8.23	ND	--	ND	0.61	ND	2.8	--	--	
06/26/95	56.47	24.50	0.00	31.97	-3.02	ND	--	ND	ND	ND	3.9	--	--	
07/28/95	56.47	25.77	0.00	30.70	-1.27	--	--	--	--	--	--	--	--	
09/28/95	56.47	28.23	0.00	28.24	-2.46	ND	--	ND	ND	ND	ND	--	--	
10/24/95	56.47	29.21	0.00	27.26	-0.98	--	--	--	--	--	--	--	--	
12/29/95	56.47	29.02	0.00	27.45	0.19	ND	--	ND	0.58	ND	0.52	ND	--	
03/27/96	56.47	20.91	0.00	35.56	8.11	ND	--	ND	0.68	ND	0.51	ND	--	
09/21/96	56.47	28.05	0.00	28.42	-7.14	ND	--	ND	ND	ND	ND	ND	--	
03/31/97	56.47	23.48	0.00	32.99	4.57	ND	--	ND	ND	ND	ND	ND	--	
09/27/97	56.47	30.38	0.00	26.09	-6.90	ND	--	ND	ND	ND	ND	ND	--	
03/20/98	56.47	15.60	0.00	40.87	14.78	ND	--	ND	ND	ND	ND	ND	--	
09/09/98	56.47	24.85	0.00	31.62	-9.25	ND	--	0.69	ND	ND	0.61	ND	--	
03/11/99	56.47	22.23	0.00	34.24	2.62	ND	--	ND	ND	ND	0.76	ND	--	
09/08/99	56.47	27.34	0.00	29.13	-5.11	ND	--	ND	ND	ND	ND	ND	--	
03/24/00	56.47	20.27	0.00	36.20	7.07	ND	--	ND	ND	ND	ND	ND	--	
09/15/00	56.47	26.84	0.00	29.63	-6.57	ND	--	ND	ND	ND	ND	ND	--	
03/16/01	56.47	24.24	0.00	32.23	2.60	ND	--	ND	ND	ND	ND	ND	--	
08/31/01	56.47	27.43	0.00	29.04	-3.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
03/15/02	56.47	24.79	0.00	31.68	2.64	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
09/26/02	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
03/16/03	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
09/03/03	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
03/11/04	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-9 continued</b>														
09/24/04	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
03/29/05	56.47	21.92	0.00	34.55	--	--	91	ND<0.50	ND<0.50	1.3	ND<1.0	--	ND<0.50	
09/12/05	56.47	26.73	0.00	29.74	-4.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/27/06	56.47	20.75	0.00	35.72	5.98	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/08/06	56.47	25.33	0.00	31.14	-4.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
01/29/07	56.47	27.27	0.00	29.20	-1.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
07/02/07	56.47	28.13	0.00	28.34	-0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-10 (Screen Interval in feet: 20.0-45.0)</b>														
07/28/95	58.94	25.53	0.00	33.41	--	ND	--	ND	ND	ND	ND	--	--	
09/28/95	58.94	--	--	--	--	--	--	--	--	--	--	--	--	
10/24/95	58.94	31.76	0.00	27.18	--	ND	--	ND	ND	ND	ND	--	--	
12/29/95	58.94	31.55	0.00	27.39	0.21	ND	--	ND	0.65	ND	1.1	--	--	
03/27/96	58.94	23.62	0.00	35.32	7.93	ND	--	ND	0.68	ND	0.69	ND	--	
09/21/96	58.94	30.77	0.00	28.17	-7.15	ND	--	ND	ND	ND	ND	ND	--	
03/31/97	58.94	26.05	0.00	32.89	4.72	ND	--	ND	ND	ND	ND	ND	--	
09/27/97	58.94	32.80	0.00	26.14	-6.75	ND	--	ND	ND	ND	ND	ND	--	
03/20/98	58.94	18.13	0.00	40.81	14.67	ND	--	ND	ND	ND	ND	ND	--	
09/09/98	58.94	27.54	0.00	31.40	-9.41	ND	--	ND	0.55	ND	ND	ND	--	
03/11/99	58.94	24.85	0.00	34.09	2.69	ND	--	ND	0.61	ND	0.87	ND	--	
09/08/99	58.94	29.97	0.00	28.97	-5.12	ND	--	ND	ND	ND	ND	ND	--	
03/24/00	58.94	22.90	0.00	36.04	7.07	ND	--	ND	ND	ND	ND	ND	--	
09/15/00	58.94	29.48	0.00	29.46	-6.58	ND	--	ND	ND	ND	ND	ND	--	
03/16/01	58.94	26.80	0.00	32.14	2.68	ND	--	ND	ND	ND	ND	ND	--	
08/31/01	58.94	30.05	0.00	28.89	-3.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 1987 Through July 2007**  
**76 Station 5367**

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>MW-10 continued</b>														
03/15/02	58.94	26.61	0.00	32.33	3.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
09/26/02	58.94	30.68	0.00	28.26	-4.07	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/16/03	58.94	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
09/03/03	58.94	38.87	0.00	20.07	--	--	ND<50	ND<0.50	1.8	ND<0.50	ND<1.0	--	ND<2	
03/11/04	58.94	26.80	0.00	32.14	12.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/24/04	58.94	32.42	0.00	26.52	-5.62	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/29/05	58.94	24.11	0.00	34.83	8.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/12/05	58.94	29.43	0.00	29.51	-5.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/27/06	58.94	22.72	0.00	36.22	6.71	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/08/06	58.94	28.02	0.00	30.92	-5.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
01/29/07	58.94	29.85	0.00	29.09	-1.83	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
07/02/07	58.94	30.76	0.00	28.18	-0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5367**

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	TDS	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)	(mg/l)
<b>MW-1</b>										
03/27/95	--	--	--	--	--	--	--	--	1.50	--
06/26/95	--	--	--	--	--	--	--	--	1.60	--
09/28/95	--	--	--	--	--	--	--	--	1.22	--
12/29/95	--	--	--	--	--	--	--	--	1.74	--
03/27/96	--	--	--	--	--	--	--	--	1.02	1.48
09/21/96	--	--	--	--	--	--	--	--	1.01	--
03/31/97	--	--	--	--	--	--	--	--	1.49	1.47
03/16/03	ND<50000	ND<250000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	--	--	--
<b>MW-2</b>										
03/27/95	--	--	--	--	--	--	--	410	1.70	--
06/26/95	--	--	--	--	--	--	--	--	4.55	--
09/28/95	--	--	--	--	--	--	--	--	3.00	--
12/29/95	--	--	--	--	--	--	--	--	8.71	--
03/31/97	--	--	--	--	--	--	--	--	2.12	2.18
03/16/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--
<b>MW-3</b>										
03/27/95	--	--	--	--	--	--	--	450	0.90	--
06/26/95	--	--	--	--	--	--	--	--	1.55	--
09/28/95	--	--	--	--	--	--	--	--	1.63	--
12/29/95	--	--	--	--	--	--	--	--	6.97	--
03/31/97	--	--	--	--	--	--	--	--	2.06	1.95
09/15/00	ND<100	ND<1000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--
03/16/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--
<b>MW-4</b>										
03/27/95	--	--	--	--	--	--	--	--	4.90	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5367**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	TDS (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)
<b>MW-4 continued</b>										
09/28/95	--	--	--	--	--	--	--	--	6.29	--
03/27/96	--	--	--	--	--	--	--	--	3.91	4.32
09/21/96	--	--	--	--	--	--	--	--	2.82	--
03/31/97	--	--	--	--	--	--	--	--	2.63	2.66
03/16/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--
<b>MW-5</b>										
03/27/95	--	--	--	--	--	--	--	--	5.20	--
09/28/95	--	--	--	--	--	--	--	--	1.96	--
03/27/96	--	--	--	--	--	--	--	--	4.71	4.03
09/21/96	--	--	--	--	--	--	--	--	4.12	--
03/31/97	--	--	--	--	--	--	--	--	3.11	2.98
03/16/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--
<b>MW-6</b>										
03/27/95	--	--	--	--	--	--	--	--	7.40	--
09/28/95	--	--	--	--	--	--	--	--	4.19	--
03/27/96	--	--	--	--	--	--	--	--	4.96	5.94
09/21/96	--	--	--	--	--	--	--	--	3.74	--
03/31/97	--	--	--	--	--	--	--	--	3.11	3.21
03/16/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--
<b>MW-7</b>										
03/27/95	--	--	--	--	--	--	--	--	8.40	--
09/28/95	--	--	--	--	--	--	--	--	2.04	--
03/27/96	--	--	--	--	--	--	--	--	5.23	6.63
09/21/96	--	--	--	--	--	--	--	--	1.19	--
03/31/97	--	--	--	--	--	--	--	--	2.16	2.29

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**76 Station 5367**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	TDS (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)
<b>MW-7 continued</b>										
03/16/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--
<b>MW-8</b>										
03/27/95	--	--	--	--	--	--	--	490	2.20	--
06/26/95	--	--	--	--	--	--	--	--	3.86	--
09/28/95	--	--	--	--	--	--	--	--	1.85	--
12/29/95	--	--	--	--	--	--	--	--	2.03	--
03/27/96	--	--	--	--	--	--	--	--	9.76	11.73
09/21/96	--	--	--	--	--	--	--	--	2.16	--
03/31/97	--	--	--	--	--	--	--	--	2.91	2.81
09/27/97	--	--	--	--	--	--	--	--	--	3.11
03/20/98	--	--	--	--	--	--	--	--	2.65	--
<b>MW-9</b>										
03/27/95	--	--	--	--	--	--	--	--	7.8	--
06/26/95	--	--	--	--	--	--	--	--	4.61	--
09/28/95	--	--	--	--	--	--	--	--	5.76	--
12/29/95	--	--	--	--	--	--	--	--	5.32	--
03/27/96	--	--	--	--	--	--	--	--	5.23	5.62
09/21/96	--	--	--	--	--	--	--	--	4.13	--
03/31/97	--	--	--	--	--	--	--	--	3.27	3.36
<b>MW-10</b>										
12/29/95	--	--	--	--	--	--	--	--	5.11	--
03/27/96	--	--	--	--	--	--	--	--	4.57	4.38
09/21/96	--	--	--	--	--	--	--	--	5.38	--
03/31/97	--	--	--	--	--	--	--	--	4.83	4.48



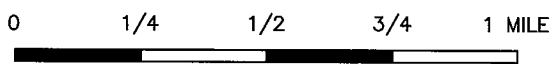
# FIGURES

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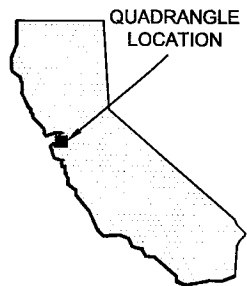


SOURCE:

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



SCALE 1:24,000




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FACILITY:  
76 STATION 5367  
500 BANCROFT AVENUE  
SAN LEANDRO, CALIFORNIA


VICINITY MAP

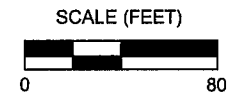
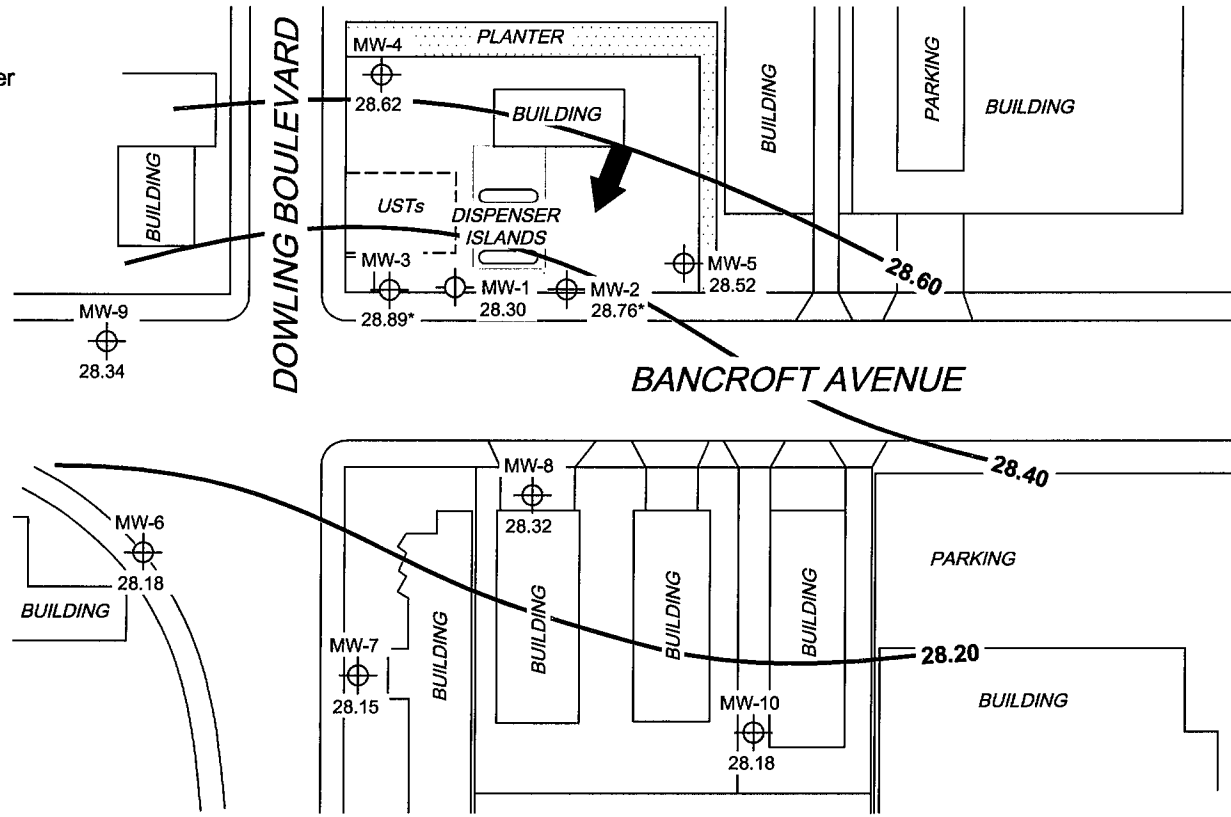
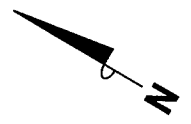
FIGURE 1

**LEGEND**

MW-10  Monitoring Well with Groundwater Elevation (feet)

28.60  Groundwater Elevation Contour

 General Direction of Groundwater Flow



**NOTES:**

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. \* = not included in groundwater contour interpretation. UST = underground storage tank




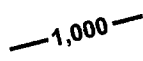
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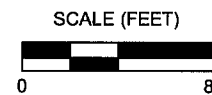
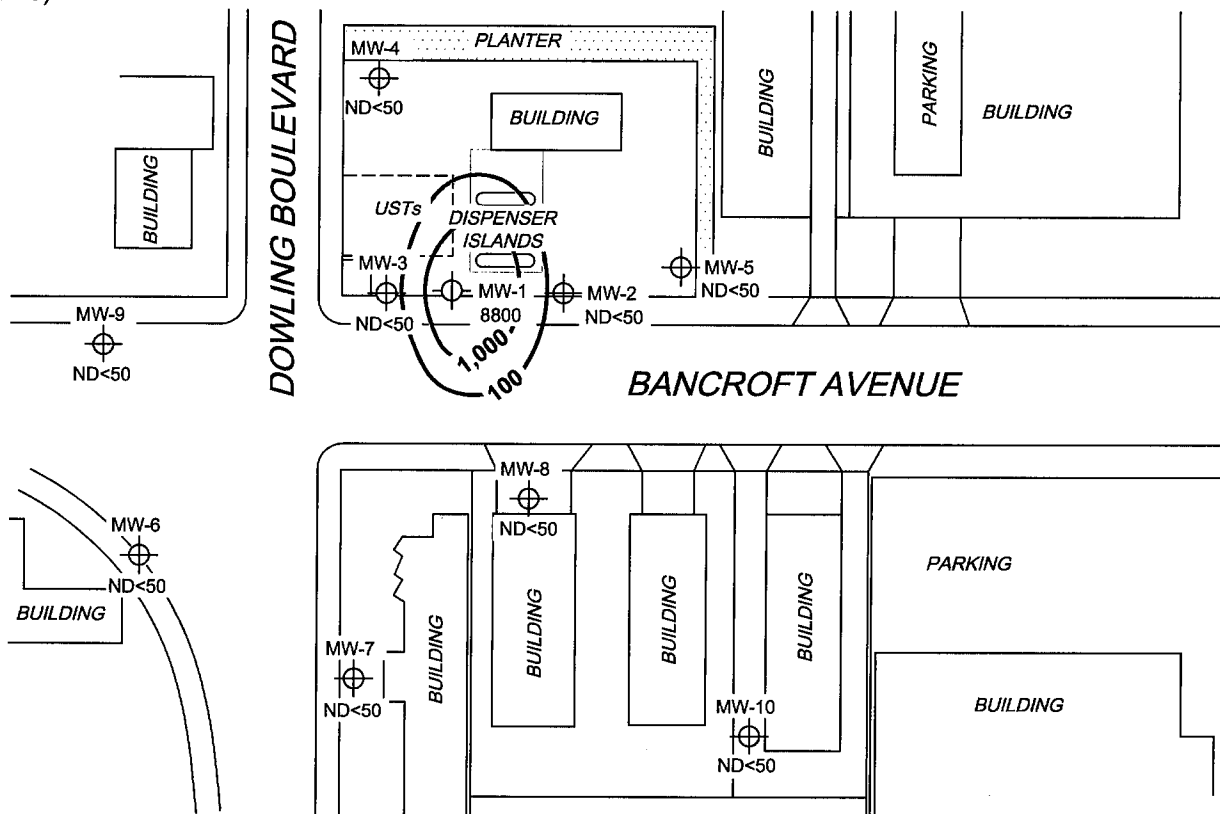
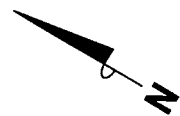
**GROUNDWATER ELEVATION  
CONTOUR MAP  
July 2, 2007**

**FIGURE 2**

**LEGEND**

MW-10  Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration ( $\mu\text{g/l}$ )

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



**NOTES:**

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


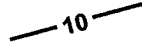


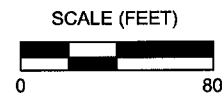
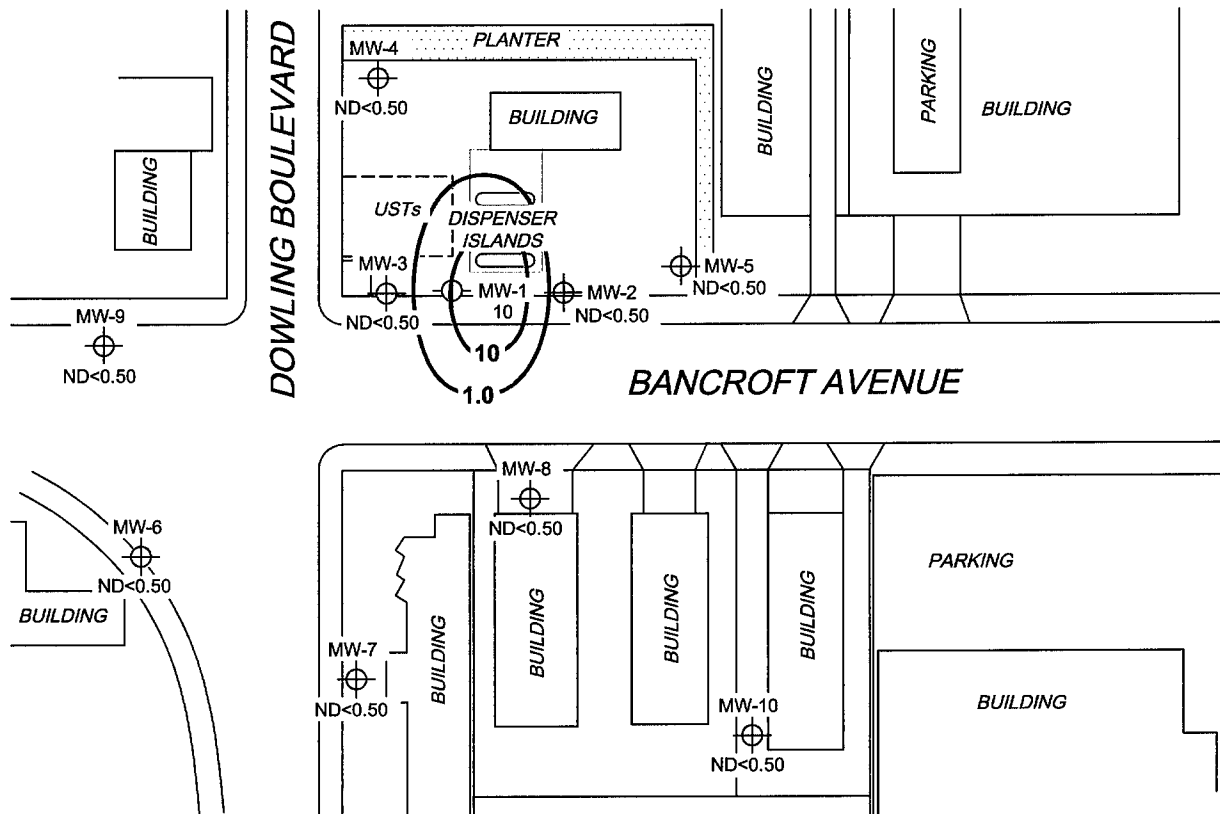
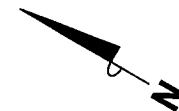
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 76 STATION 5367  
 500 BANCROFT AVENUE  
 SAN LEANDRO, CALIFORNIA

**DISSOLVED-PHASE TPH-G (GC/MS)  
 CONCENTRATION MAP  
 July 2, 2007**

**FIGURE 3**

**LEGEND**

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



**NOTES:**

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




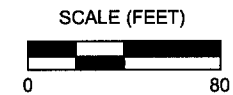
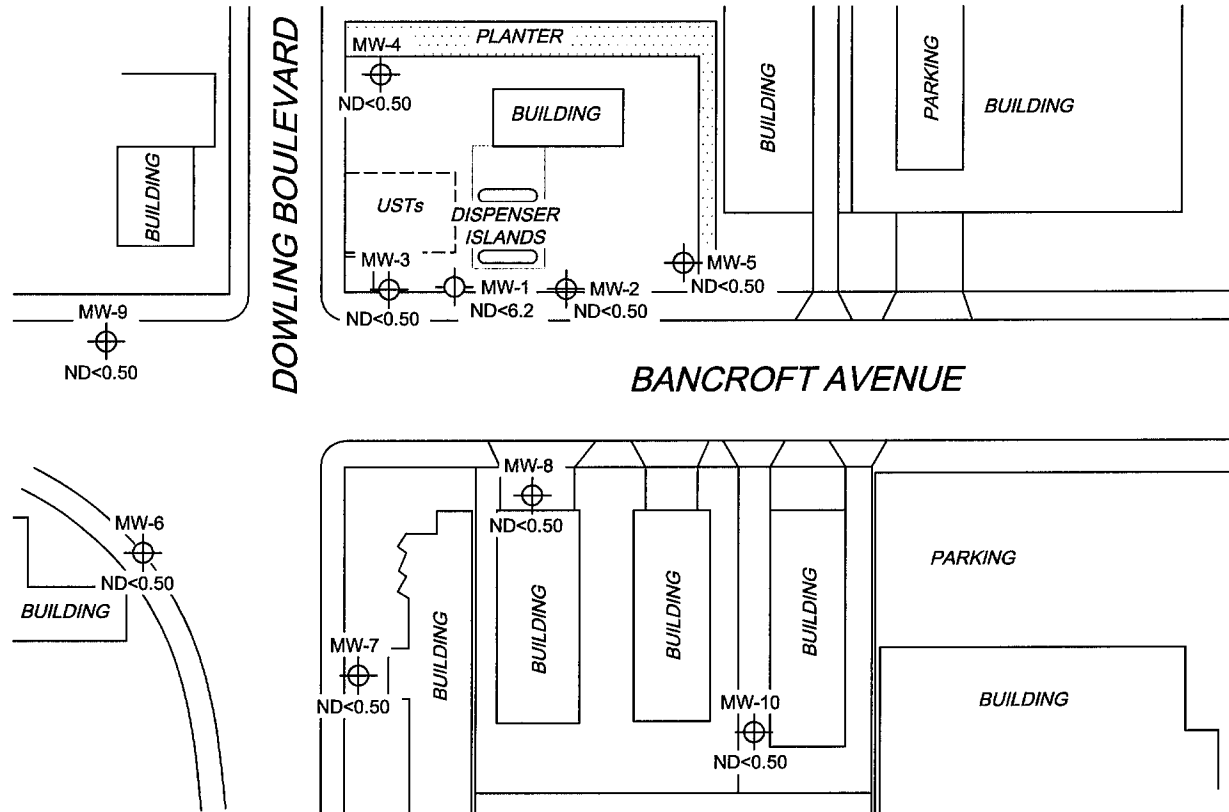
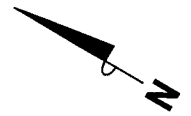
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 FACILITY:  
 76 STATION 5367  
 500 BANCROFT AVENUE  
 SAN LEANDRO, CALIFORNIA

**DISSOLVED-PHASE BENZENE  
 CONCENTRATION MAP  
 July 2, 2007**

**FIGURE 4**

**LEGEND**

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



**NOTES:**

MTBE = methyl tertiary butyl ether.  $\mu\text{g/l}$  = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.



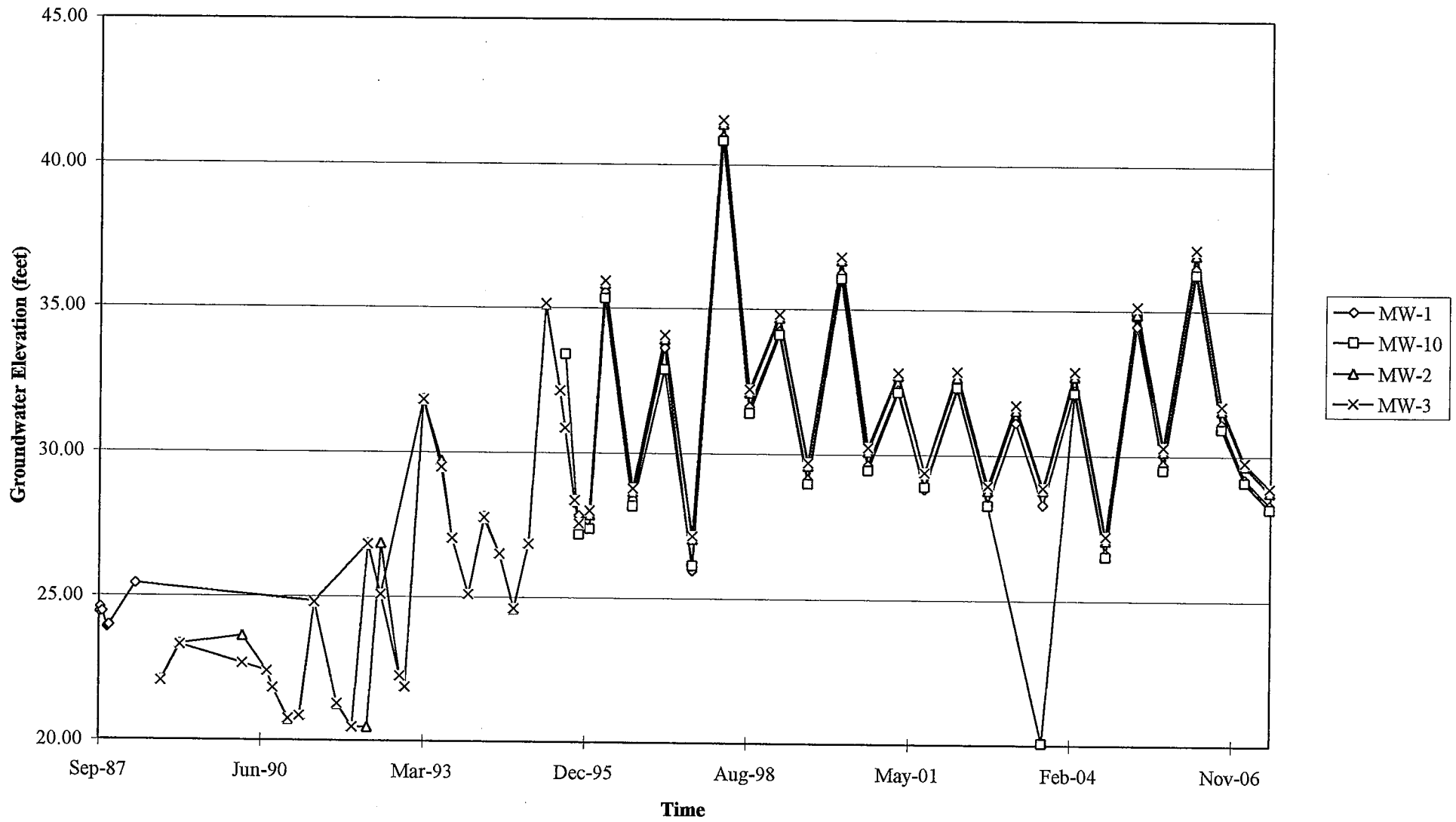
PROJECT: 125703  
FACILITY:  
76 STATION 5367  
500 BANCROFT AVENUE  
SAN LEANDRO, CALIFORNIA

**DISSOLVED-PHASE MTBE  
CONCENTRATION MAP  
July 2, 2007**

**FIGURE 5**

# GRAPHS

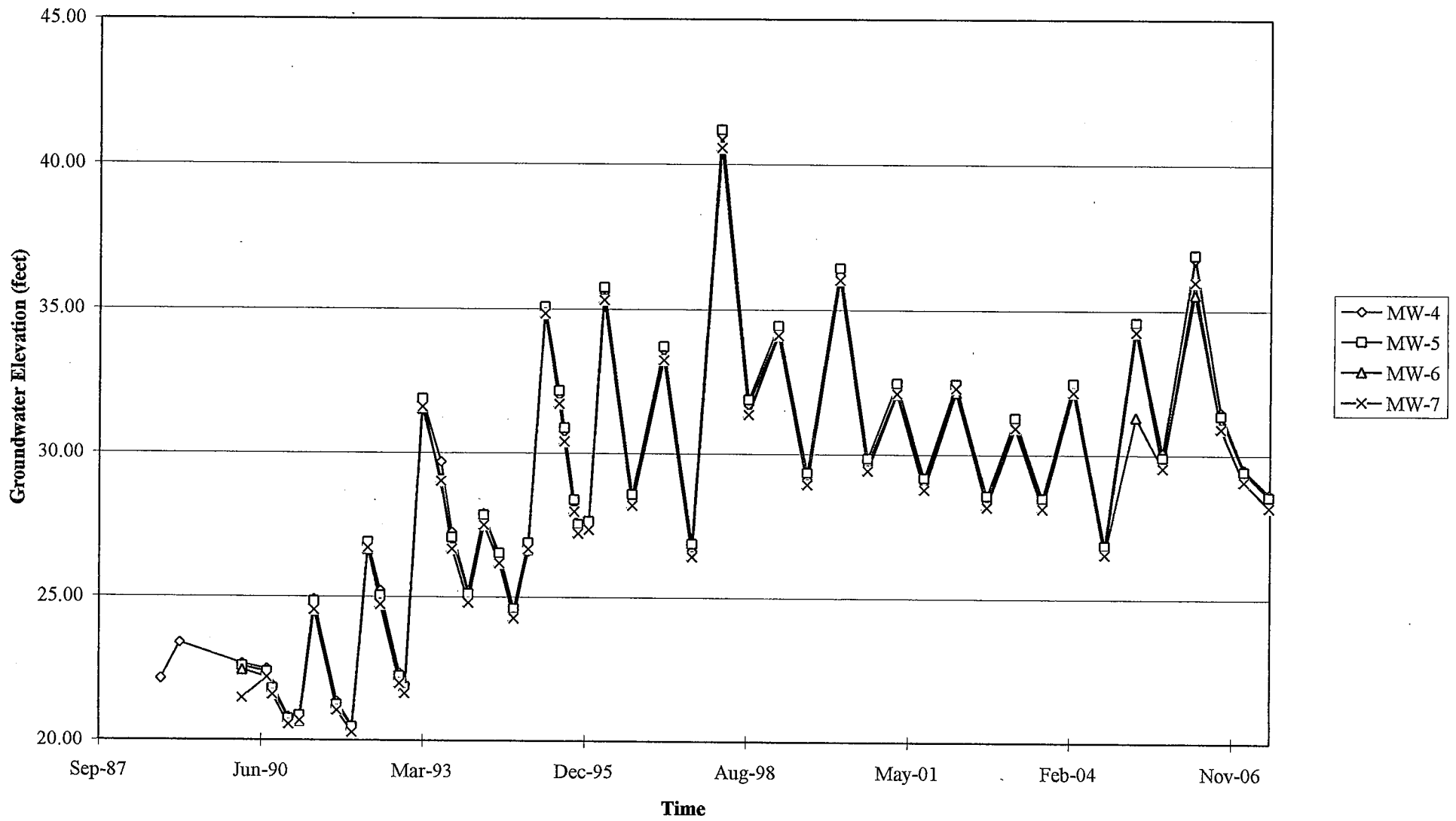
Groundwater Elevations vs. Time  
76 Station 5367



Elevations may have been corrected for apparent changes due to resurvey

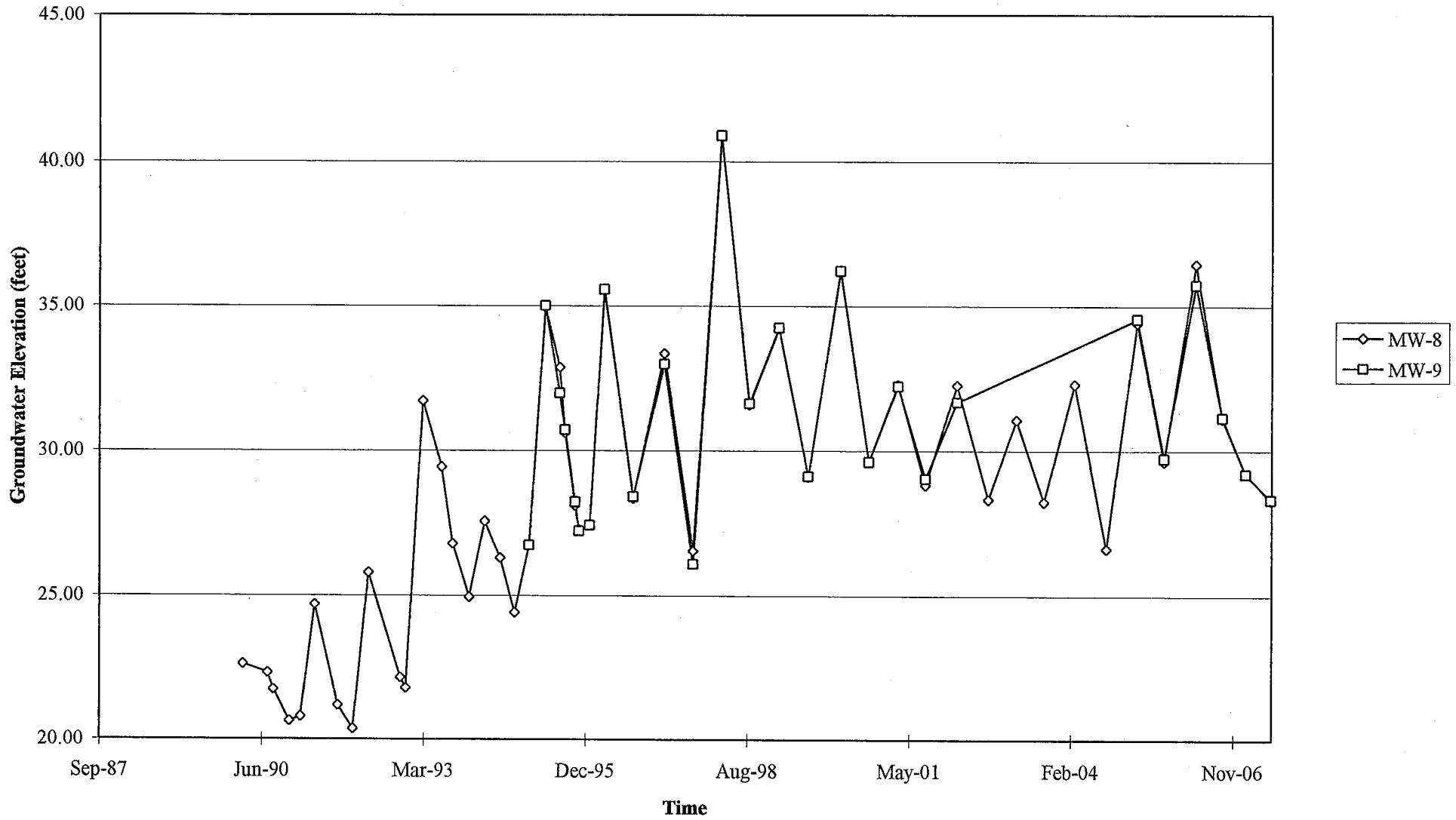


Groundwater Elevations vs. Time  
76 Station 5367



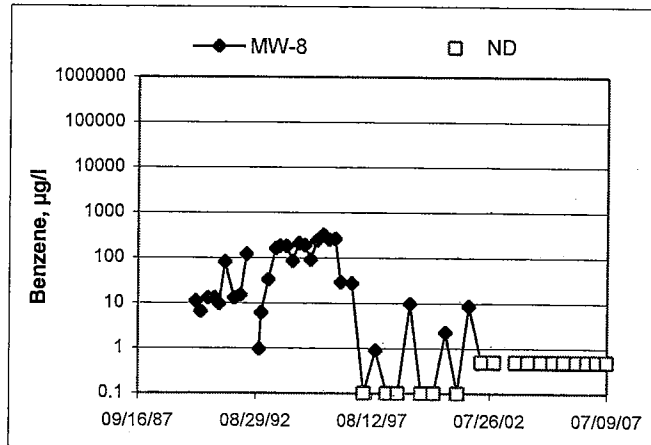
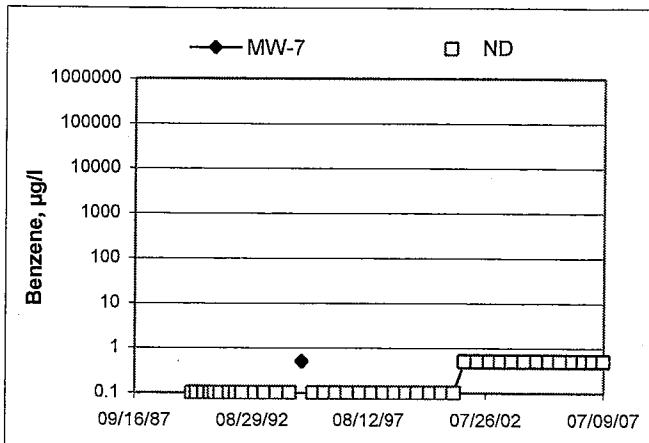
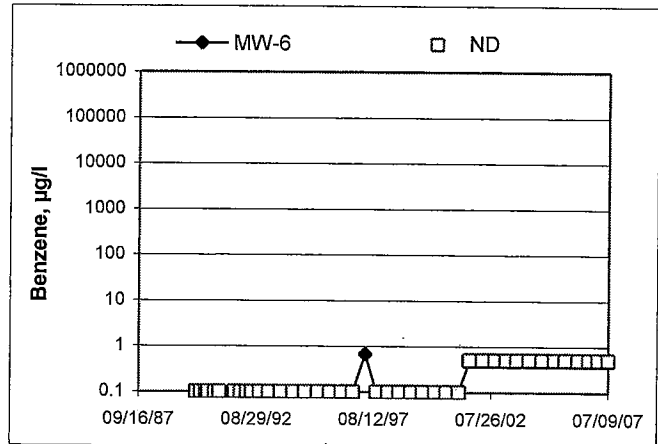
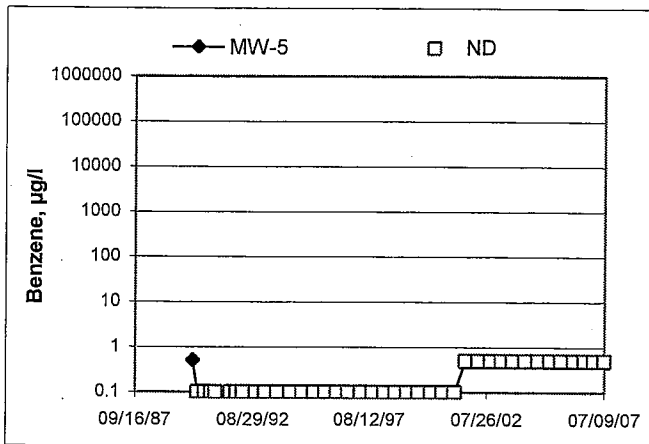
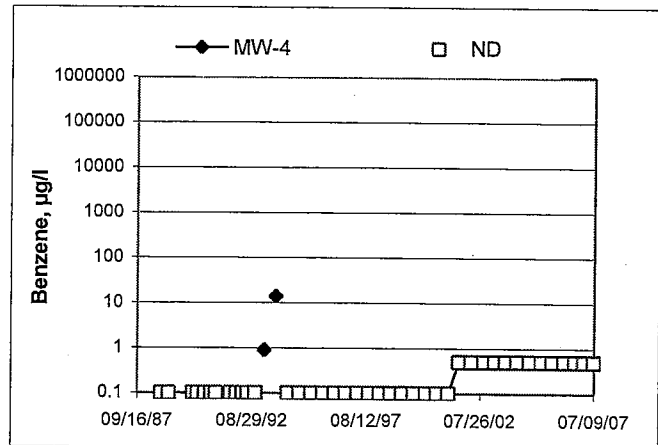
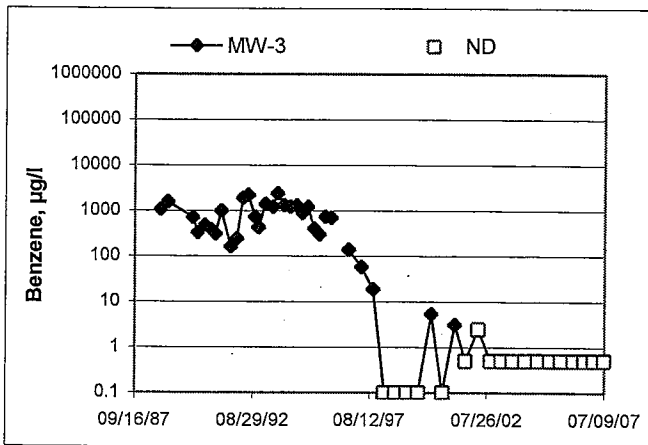
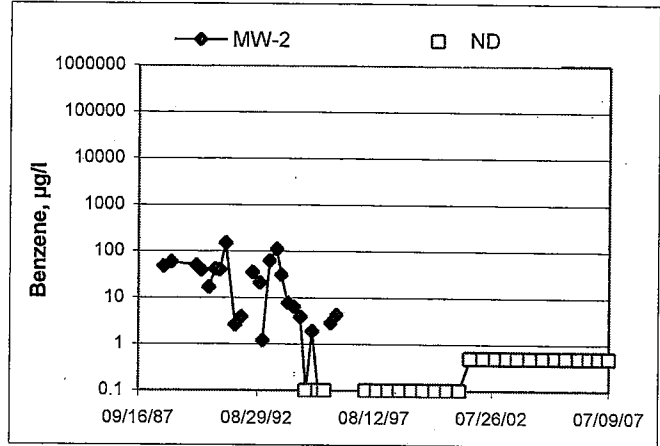
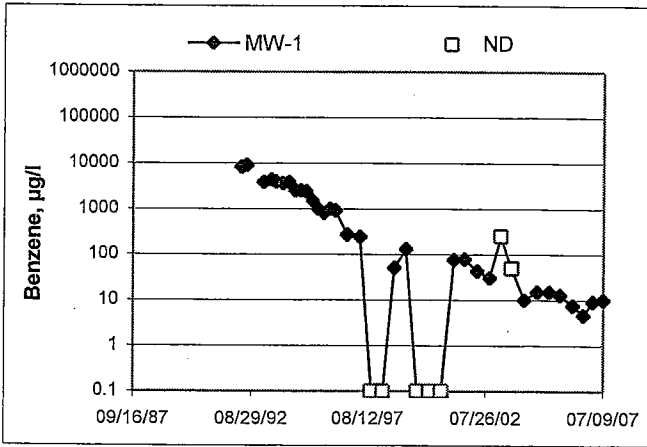
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time  
76 Station 5367

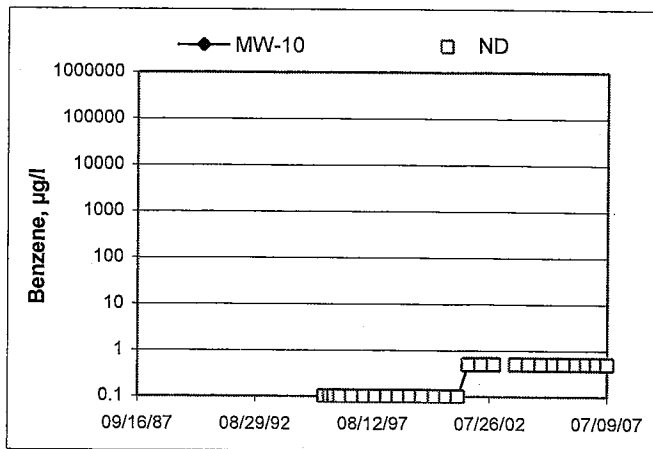
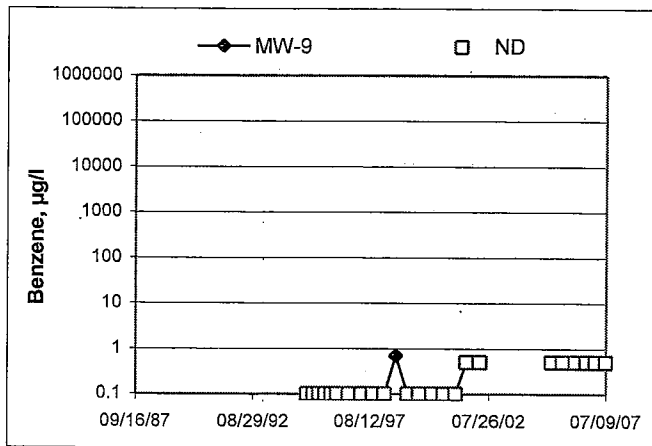


Elevations may have been corrected for apparent changes due to resurvey

Benzene Concentrations vs Time  
76 Station 5367



### Benzene Concentrations vs Time 76 Station 5367



## 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.



# GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 5367

Project No.: 125703

Date: 07-02-07

Well No. MW-4

Purge Method: SUB

Depth to Water (feet): 29.67

Depth to Product (feet):           

Total Depth (feet): 48.08

LPH & Water Recovered (gallons):           

Water Column (feet): 18.41

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 33.35

1 Well Volume (gallons): 12

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F) (C)	pH	D.O.	ORP	Turbidity
0750			12	539.5	18.2	7.60			
			24	536.5	17.9	6.85			
	0815		36	535.3	17.8	6.86			
Static at Time Sampled			Total Gallons Purged		Sample Time				
29.72			36		0829				
Comments:									

Well No. MW-3

Purge Method: SUB

Depth to Water (feet): 29.03

Depth to Product (feet):           

Total Depth (feet): 47.45

LPH & Water Recovered (gallons):           

Water Column (feet): 18.92

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 32.81

1 Well Volume (gallons): 13

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F) (C)	pH	D.O.	ORP	Turbidity
0836			13	513.6	18.8	7.22			
			26	525.5	20.1	7.00			
	0904		39	531.8	21.8	7.00			
Static at Time Sampled			Total Gallons Purged		Sample Time				
29.23			39		0908				
Comments:									



# GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 5367

Project No.: 125703

Date: 07-02-07

Well No. MW-2

Purge Method: SUB

Depth to Water (feet): 29.37

Depth to Product (feet):       

Total Depth (feet): 46.72

LPH & Water Recovered (gallons):       

Water Column (feet): 17.35

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 32.84

1 Well Volume (gallons): 12

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. C)	pH	D.O.	ORP	Turbidity
0919			12	514.0	21.7	7.17			
			24	521.3	21.7	7.14			
	0949		36	521.2	21.6	7.10			
Static at Time Sampled		Total Gallons Purged			Sample Time				
29.90		36			0953				
Comments:									

Well No. MW-5

Purge Method: SUB

Depth to Water (feet): 29.98

Depth to Product (feet):       

Total Depth (feet): 44.30

LPH & Water Recovered (gallons):       

Water Column (feet): 14.32

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 32.84

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
1004			2	522.0	21.4	7.17			
			4	523.9	21.3	6.88			
	1011		6	521.9	21.6	6.80			
Static at Time Sampled		Total Gallons Purged			Sample Time				
30.03		6			1015				
Comments:									

## GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 5367

Project No.: 125703

Date: 07-02-07

Well No. MW-9

Purge Method: SUB

Depth to Water (feet): 28.13

Depth to Product (feet):           

Total Depth (feet) 44.60

LPH & Water Recovered (gallons):           

Water Column (feet): 16.47

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 31.42

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
1028			3	500.0	21.4	7.36			
			6	499.6	20.7	6.30			
	1036		9	502.9	20.7	6.56			
Static at Time Sampled			Total Gallons Purged		Sample Time				
JL <del>28</del> 28.90			9		1042				
Comments:									

Well No. MW-6

Purge Method: SUB

Depth to Water (feet): 28.78

Depth to Product (feet):           

Total Depth (feet) 44.40

LPH & Water Recovered (gallons):           

Water Column (feet): 15.62

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 31.90

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
1052			3	463.4	22.3	6.99			
			6	464.5	22.5	6.77			
	1100		9	465.3	22.7	6.75			
Static at Time Sampled			Total Gallons Purged		Sample Time				
28.80			9		1106				
Comments:									

## GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 5367

Project No.: 125703

Date: 07-02-07

Well No. MW-7

Purge Method: SUB

Depth to Water (feet): 29.10

Depth to Product (feet):           

Total Depth (feet): 42.49

LPH & Water Recovered (gallons):           

Water Column (feet): 13.39

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 31.77

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
1115			2	522.3	22.2	6.98			
			4	519.9	21.2	6.68			
	1121		6	518.5	20.9	6.65			
Static at Time Sampled			Total Gallons Purged		Sample Time				
29.20			6		1126				
Comments:									

Well No. MW-8

Purge Method: SUB

Depth to Water (feet): 29.39

Depth to Product (feet):           

Total Depth (feet): 43.95

LPH & Water Recovered (gallons):           

Water Column (feet): 14.56

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 32.30

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
1145			2	554.2	22.5	6.91			
			4	560.0	22.1	6.58			
	1151		6	563.0	22.4	6.54			
Static at Time Sampled			Total Gallons Purged		Sample Time				
29.41			6		1156				
Comments:									

# GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 5367

Project No.: 125703

Date: 07-02-07

Well No. MW-10

Purge Method: SUB

Depth to Water (feet): 30.76

Depth to Product (feet):           

Total Depth (feet): 42.27

LPH & Water Recovered (gallons):           

Water Column (feet): 11.51

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 33.06

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
1212			2	472.4	22.0	7.19			
			4	472.7	20.8	6.59			
	1218		6	472.2	20.7	6.62			
		Static at Time Sampled		Total Gallons Purged		Sample Time			
		30.76		6		1224			
Comments:									

Well No. MW-1

Purge Method: JL SUB HB

Depth to Water (feet): 29.53

Depth to Product (feet):           

Total Depth (feet): 35.14

LPH & Water Recovered (gallons):           

Water Column (feet): 5.61

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 30.65

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
1239			1	692.3	21.5	6.50			
			2	688.8	21.0	6.47			
			3	685.1	21.0	6.51			
		Static at Time Sampled		Total Gallons Purged		Sample Time			
		29.56		3		12:49			
Comments:									

Date of Report: 07/09/2007

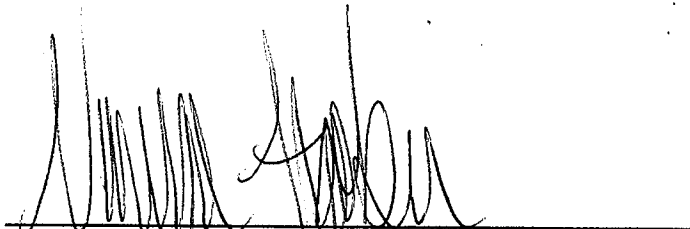
Anju Farfan

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

RE: 5367  
BC Work Order: 0707546

Enclosed are the results of analyses for samples received by the laboratory on 07/02/2007 21:40. 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: 5367  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 07/09/2007 15:41

## Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information					
0707546-01	<b>COC Number:</b> --- <b>Project Number:</b> 5367 <b>Sampling Location:</b> MW-4 <b>Sampling Point:</b> MW-4 <b>Sampled By:</b> Joe Lewis of TRCI	<b>Receive Date:</b> 07/02/2007 21:40 <b>Sampling Date:</b> 07/02/2007 08:27 <b>Sample Depth:</b> --- <b>Sample Matrix:</b> Water	<b>Delivery Work Order:</b> Global ID: T0600101479 Matrix: W Sample QC Type (SACode): CS Cooler ID:			
0707546-02	<b>COC Number:</b> --- <b>Project Number:</b> 5367 <b>Sampling Location:</b> MW-3 <b>Sampling Point:</b> MW-3 <b>Sampled By:</b> Joe Lewis of TRCI	<b>Receive Date:</b> 07/02/2007 21:40 <b>Sampling Date:</b> 07/02/2007 09:08 <b>Sample Depth:</b> --- <b>Sample Matrix:</b> Water	<b>Delivery Work Order:</b> Global ID: T0600101479 Matrix: W Sample QC Type (SACode): CS Cooler ID:			
0707546-03	<b>COC Number:</b> --- <b>Project Number:</b> 5367 <b>Sampling Location:</b> MW-2 <b>Sampling Point:</b> MW-2 <b>Sampled By:</b> Joe Lewis of TRCI	<b>Receive Date:</b> 07/02/2007 21:40 <b>Sampling Date:</b> 07/02/2007 09:53 <b>Sample Depth:</b> --- <b>Sample Matrix:</b> Water	<b>Delivery Work Order:</b> Global ID: T0600101479 Matrix: W Sample QC Type (SACode): CS Cooler ID:			
0707546-04	<b>COC Number:</b> --- <b>Project Number:</b> 5367 <b>Sampling Location:</b> MW-5 <b>Sampling Point:</b> MW-5 <b>Sampled By:</b> Joe Lewis of TRCI	<b>Receive Date:</b> 07/02/2007 21:40 <b>Sampling Date:</b> 07/02/2007 10:15 <b>Sample Depth:</b> --- <b>Sample Matrix:</b> Water	<b>Delivery Work Order:</b> Global ID: T0600101479 Matrix: W Sample QC Type (SACode): CS Cooler ID:			
0707546-05	<b>COC Number:</b> --- <b>Project Number:</b> 5367 <b>Sampling Location:</b> MW-9 <b>Sampling Point:</b> MW-9 <b>Sampled By:</b> Joe Lewis of TRCI	<b>Receive Date:</b> 07/02/2007 21:40 <b>Sampling Date:</b> 07/02/2007 10:42 <b>Sample Depth:</b> --- <b>Sample Matrix:</b> Water	<b>Delivery Work Order:</b> Global ID: T0600101479 Matrix: W Sample QC Type (SACode): CS Cooler ID:			



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

Project: 5367  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 07/09/2007 15:41

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information					
0707546-06	COC Number:	---		Receive Date:	07/02/2007 21:40	Delivery Work Order:
	Project Number:	5367		Sampling Date:	07/02/2007 11:06	Global ID: T0600101479
	Sampling Location:	MW-6		Sample Depth:	---	Matrix: W
	Sampling Point:	MW-6		Sample Matrix:	Water	Sample QC Type (SACode): CS
	Sampled By:	Joe Lewis of TRCI				Cooler ID:
0707546-07	COC Number:	---		Receive Date:	07/02/2007 21:40	Delivery Work Order:
	Project Number:	5367		Sampling Date:	07/02/2007 11:26	Global ID: T0600101479
	Sampling Location:	MW-7		Sample Depth:	---	Matrix: W
	Sampling Point:	MW-7		Sample Matrix:	Water	Sample QC Type (SACode): CS
	Sampled By:	Joe Lewis of TRCI				Cooler ID:
0707546-08	COC Number:	---		Receive Date:	07/02/2007 21:40	Delivery Work Order:
	Project Number:	5367		Sampling Date:	07/02/2007 11:56	Global ID: T0600101479
	Sampling Location:	MW-8		Sample Depth:	---	Matrix: W
	Sampling Point:	MW-8		Sample Matrix:	Water	Sample QC Type (SACode): CS
	Sampled By:	Joe Lewis of TRCI				Cooler ID:
0707546-09	COC Number:	---		Receive Date:	07/02/2007 21:40	Delivery Work Order:
	Project Number:	5367		Sampling Date:	07/02/2007 12:24	Global ID: T0600101479
	Sampling Location:	MW-10		Sample Depth:	---	Matrix: W
	Sampling Point:	MW-10		Sample Matrix:	Water	Sample QC Type (SACode): CS
	Sampled By:	Joe Lewis of TRCI				Cooler ID:
0707546-10	COC Number:	---		Receive Date:	07/02/2007 21:40	Delivery Work Order:
	Project Number:	5367		Sampling Date:	07/02/2007 12:49	Global ID: T0600101479
	Sampling Location:	MW-1		Sample Depth:	---	Matrix: W
	Sampling Point:	MW-1		Sample Matrix:	Water	Sample QC Type (SACode): CS
	Sampled By:	Joe Lewis of TRCI				Cooler ID:



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

Project: 5367  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 07/09/2007 15:41

## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0707546-01		Client Sample Name: 5367, MW-4, MW-4, 7/2/2007 8:27:00AM, Joe Lewis											
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	07/06/07	07/06/07 23:59	SDU	MS-V10	1	BQG0184	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/06/07	07/06/07 23:59	SDU	MS-V10	1	BQG0184	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/06/07	07/06/07 23:59	SDU	MS-V10	1	BQG0184	ND	
Toluene	ND	ug/L	0.50		EPA-8260	07/06/07	07/06/07 23:59	SDU	MS-V10	1	BQG0184	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	07/06/07	07/06/07 23:59	SDU	MS-V10	1	BQG0184	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	07/06/07	07/06/07 23:59	SDU	MS-V10	1	BQG0184	ND	
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)		EPA-8260	07/06/07	07/06/07 23:59	SDU	MS-V10	1	BQG0184		
Toluene-d8 (Surrogate)	97.2	%	88 - 110 (LCL - UCL)		EPA-8260	07/06/07	07/06/07 23:59	SDU	MS-V10	1	BQG0184		
4-Bromofluorobenzene (Surrogate)	98.5	%	86 - 115 (LCL - UCL)		EPA-8260	07/06/07	07/06/07 23:59	SDU	MS-V10	1	BQG0184		



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

 Project: 5367  
 Project Number: [none]  
 Project Manager: Anju Farfan

Reported: 07/09/2007 15:41

## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0707546-02		Client Sample Name:	5367, MW-3, MW-3, 7/2/2007 9:08:00AM, Joe Lewis									
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	07/06/07	07/07/07 00:17	SDU	MS-V10	1	BQG0184	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 00:17	SDU	MS-V10	1	BQG0184	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 00:17	SDU	MS-V10	1	BQG0184	ND	
Toluene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 00:17	SDU	MS-V10	1	BQG0184	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 00:17	SDU	MS-V10	1	BQG0184	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	07/06/07	07/07/07 00:17	SDU	MS-V10	1	BQG0184	ND	
1,2-Dichloroethane-d4 (Surrogate)	107	%	76 - 114 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 00:17	SDU	MS-V10	1	BQG0184		
Toluene-d8 (Surrogate)	96.3	%	88 - 110 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 00:17	SDU	MS-V10	1	BQG0184		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 00:17	SDU	MS-V10	1	BQG0184		

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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0707546-03		Client Sample Name: 5367, MW-2, MW-2, 7/2/2007 9:53:00AM, Joe Lewis											
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	07/06/07	07/07/07 00:34	SDU	MS-V10	1	BQG0184	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 00:34	SDU	MS-V10	1	BQG0184	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 00:34	SDU	MS-V10	1	BQG0184	ND	
Toluene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 00:34	SDU	MS-V10	1	BQG0184	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 00:34	SDU	MS-V10	1	BQG0184	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	07/06/07	07/07/07 00:34	SDU	MS-V10	1	BQG0184	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 00:34	SDU	MS-V10	1	BQG0184		
Toluene-d8 (Surrogate)	96.5	%	88 - 110 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 00:34	SDU	MS-V10	1	BQG0184		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 00:34	SDU	MS-V10	1	BQG0184		

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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0707546-04												
Client Sample Name:	5367, MW-5, MW-5, 7/2/2007 10:15:00AM, Joe Lewis												
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quails
Benzene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 00:52	SDU	MS-V10	1	BQG0184	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 00:52	SDU	MS-V10	1	BQG0184	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 00:52	SDU	MS-V10	1	BQG0184	ND	
Toluene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 00:52	SDU	MS-V10	1	BQG0184	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 00:52	SDU	MS-V10	1	BQG0184	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	07/06/07	07/07/07 00:52	SDU	MS-V10	1	BQG0184	ND	
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 00:52	SDU	MS-V10	1	BQG0184		
Toluene-d8 (Surrogate)	90.5	%	88 - 110 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 00:52	SDU	MS-V10	1	BQG0184		
4-Bromofluorobenzene (Surrogate)	99.0	%	86 - 115 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 00:52	SDU	MS-V10	1	BQG0184		

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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0707546-05		Client Sample Name: 5367, MW-9, MW-9, 7/2/2007 10:42:00AM, Joe Lewis											
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	07/06/07	07/07/07 01:10	SDU	MS-V10	1	BQG0184	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 01:10	SDU	MS-V10	1	BQG0184	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 01:10	SDU	MS-V10	1	BQG0184	ND	
Toluene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 01:10	SDU	MS-V10	1	BQG0184	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 01:10	SDU	MS-V10	1	BQG0184	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	07/06/07	07/07/07 01:10	SDU	MS-V10	1	BQG0184	ND	
1,2-Dichloroethane-d4 (Surrogate)	108	%	76 - 114 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 01:10	SDU	MS-V10	1	BQG0184		
Toluene-d8 (Surrogate)	95.4	%	88 - 110 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 01:10	SDU	MS-V10	1	BQG0184		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 01:10	SDU	MS-V10	1	BQG0184		

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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0707546-06												
Client Sample Name:	5367, MW-6, MW-6, 7/2/2007 11:06:00AM, Joe Lewis												
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	07/06/07	07/07/07 01:27	SDU	MS-V10	1	BQG0184	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 01:27	SDU	MS-V10	1	BQG0184	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 01:27	SDU	MS-V10	1	BQG0184	ND	
Toluene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 01:27	SDU	MS-V10	1	BQG0184	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 01:27	SDU	MS-V10	1	BQG0184	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	07/06/07	07/07/07 01:27	SDU	MS-V10	1	BQG0184	ND	
1,2-Dichloroethane-d4 (Surrogate)	105	%	76 - 114 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 01:27	SDU	MS-V10	1	BQG0184		
Toluene-d8 (Surrogate)	93.7	%	88 - 110 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 01:27	SDU	MS-V10	1	BQG0184		
4-Bromofluorobenzene (Surrogate)	98.0	%	86 - 115 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 01:27	SDU	MS-V10	1	BQG0184		

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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0707546-07		Client Sample Name: 5367, MW-7, MW-7, 7/2/2007 11:26:00AM, Joe Lewis											
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	07/06/07	07/07/07 01:45	SDU	MS-V10	1	BQG0184	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 01:45	SDU	MS-V10	1	BQG0184	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 01:45	SDU	MS-V10	1	BQG0184	ND	
Toluene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 01:45	SDU	MS-V10	1	BQG0184	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 01:45	SDU	MS-V10	1	BQG0184	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	07/06/07	07/07/07 01:45	SDU	MS-V10	1	BQG0184	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 01:45	SDU	MS-V10	1	BQG0184		
Toluene-d8 (Surrogate)	90.6	%	88 - 110 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 01:45	SDU	MS-V10	1	BQG0184		
4-Bromofluorobenzene (Surrogate)	99.4	%	86 - 115 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 01:45	SDU	MS-V10	1	BQG0184		



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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0707546-08		Client Sample Name: 5367, MW-8, MW-8, 7/2/2007 11:56:00AM, Joe Lewis											
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	07/06/07	07/07/07 02:03	SDU	MS-V10	1	BQG0184	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 02:03	SDU	MS-V10	1	BQG0184	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 02:03	SDU	MS-V10	1	BQG0184	ND	
Toluene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 02:03	SDU	MS-V10	1	BQG0184	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 02:03	SDU	MS-V10	1	BQG0184	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	07/06/07	07/07/07 02:03	SDU	MS-V10	1	BQG0184	ND	
1,2-Dichloroethane-d4 (Surrogate)	107	%	76 - 114 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 02:03	SDU	MS-V10	1	BQG0184		
Toluene-d8 (Surrogate)	93.4	%	88 - 110 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 02:03	SDU	MS-V10	1	BQG0184		
4-Bromofluorobenzene (Surrogate)	98.2	%	86 - 115 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 02:03	SDU	MS-V10	1	BQG0184		

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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0707546-09		Client Sample Name: 5367, MW-10, MW-10, 7/2/2007 12:24:00PM, Joe Lewis											
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	07/06/07	07/07/07 02:21	SDU	MS-V10	1	BQG0184	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 02:21	SDU	MS-V10	1	BQG0184	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 02:21	SDU	MS-V10	1	BQG0184	ND	
Toluene	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 02:21	SDU	MS-V10	1	BQG0184	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	07/06/07	07/07/07 02:21	SDU	MS-V10	1	BQG0184	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	07/06/07	07/07/07 02:21	SDU	MS-V10	1	BQG0184	ND	
1,2-Dichloroethane-d4 (Surrogate)	107	%	76 - 114 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 02:21	SDU	MS-V10	1	BQG0184		
Toluene-d8 (Surrogate)	89.5	%	88 - 110 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 02:21	SDU	MS-V10	1	BQG0184		
4-Bromofluorobenzene (Surrogate)	99.9	%	86 - 115 (LCL - UCL)		EPA-8260	07/06/07	07/07/07 02:21	SDU	MS-V10	1	BQG0184		



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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0707546-10												
Client Sample Name:	5367, MW-1, MW-1, 7/2/2007 12:49:00PM, Joe Lewis												
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	10	ug/L	6.2		EPA-8260	07/05/07	07/05/07 17:21	SDU	MS-V10	12.500	BQG0183	ND	A01
Ethylbenzene	910	ug/L	6.2		EPA-8260	07/05/07	07/05/07 17:21	SDU	MS-V10	12.500	BQG0183	ND	A01
Methyl t-butyl ether	ND	ug/L	6.2		EPA-8260	07/05/07	07/05/07 17:21	SDU	MS-V10	12.500	BQG0183	ND	A01
Toluene	ND	ug/L	6.2		EPA-8260	07/05/07	07/05/07 17:21	SDU	MS-V10	12.500	BQG0183	ND	A01
Total Xylenes	170	ug/L	6.2		EPA-8260	07/05/07	07/05/07 17:21	SDU	MS-V10	12.500	BQG0183	ND	A01
Total Purgeable Petroleum Hydrocarbons	8800	ug/L	620		EPA-8260	07/05/07	07/05/07 17:21	SDU	MS-V10	12.500	BQG0183	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	101	%	76 - 114 (LCL - UCL)		EPA-8260	07/05/07	07/05/07 17:21	SDU	MS-V10	12.500	BQG0183		
Toluene-d8 (Surrogate)	96.4	%	88 - 110 (LCL - UCL)		EPA-8260	07/05/07	07/05/07 17:21	SDU	MS-V10	12.500	BQG0183		
4-Bromofluorobenzene (Surrogate)	98.9	%	86 - 115 (LCL - UCL)		EPA-8260	07/05/07	07/05/07 17:21	SDU	MS-V10	12.500	BQG0183		

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## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		
									Percent Recovery	RPD	Percent Recovery Lab Quals
Benzene	BQG0183	Matrix Spike	0707567-01	0	23.910	25.000	ug/L		95.6		70 - 130
		Matrix Spike Duplicate	0707567-01	0	25.740	25.000	ug/L	7.5	103	20	70 - 130
Toluene	BQG0183	Matrix Spike	0707567-01	0	22.870	25.000	ug/L		91.5		70 - 130
		Matrix Spike Duplicate	0707567-01	0	25.640	25.000	ug/L	11.8	103	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BQG0183	Matrix Spike	0707567-01	ND	10.090	10.000	ug/L		101		76 - 114
		Matrix Spike Duplicate	0707567-01	ND	10.000	10.000	ug/L		100		76 - 114
Toluene-d8 (Surrogate)	BQG0183	Matrix Spike	0707567-01	ND	10.090	10.000	ug/L		101		88 - 110
		Matrix Spike Duplicate	0707567-01	ND	10.110	10.000	ug/L		101		88 - 110
4-Bromofluorobenzene (Surrogate)	BQG0183	Matrix Spike	0707567-01	ND	10.290	10.000	ug/L		103		86 - 115
		Matrix Spike Duplicate	0707567-01	ND	10.080	10.000	ug/L		101		86 - 115
Benzene	BQG0184	Matrix Spike	0706047-58	0	26.310	25.000	ug/L		105		70 - 130
		Matrix Spike Duplicate	0706047-58	0	25.160	25.000	ug/L	3.9	101	20	70 - 130
Toluene	BQG0184	Matrix Spike	0706047-58	0	26.540	25.000	ug/L		106		70 - 130
		Matrix Spike Duplicate	0706047-58	0	24.700	25.000	ug/L	7.0	98.8	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BQG0184	Matrix Spike	0706047-58	ND	10.200	10.000	ug/L		102		76 - 114
		Matrix Spike Duplicate	0706047-58	ND	10.230	10.000	ug/L		102		76 - 114
Toluene-d8 (Surrogate)	BQG0184	Matrix Spike	0706047-58	ND	9.8000	10.000	ug/L		98.0		88 - 110
		Matrix Spike Duplicate	0706047-58	ND	9.8100	10.000	ug/L		98.1		88 - 110
4-Bromofluorobenzene (Surrogate)	BQG0184	Matrix Spike	0706047-58	ND	9.9400	10.000	ug/L		99.4		86 - 115
		Matrix Spike Duplicate	0706047-58	ND	9.9200	10.000	ug/L		99.2		86 - 115

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## 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	BQG0183	BQG0183-BS1	LCS	23.830	25.000	0.50	ug/L	95.3		70 - 130		
Toluene	BQG0183	BQG0183-BS1	LCS	23.210	25.000	0.50	ug/L	92.8		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BQG0183	BQG0183-BS1	LCS	10.170	10.000		ug/L	102		76 - 114		
Toluene-d8 (Surrogate)	BQG0183	BQG0183-BS1	LCS	10.070	10.000		ug/L	101		88 - 110		
4-Bromofluorobenzene (Surrogate)	BQG0183	BQG0183-BS1	LCS	10.140	10.000		ug/L	101		86 - 115		
Benzene	BQG0184	BQG0184-BS1	LCS	25.540	25.000	0.50	ug/L	102		70 - 130		
Toluene	BQG0184	BQG0184-BS1	LCS	25.220	25.000	0.50	ug/L	101		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BQG0184	BQG0184-BS1	LCS	9.6300	10.000		ug/L	96.3		76 - 114		
Toluene-d8 (Surrogate)	BQG0184	BQG0184-BS1	LCS	9.8100	10.000		ug/L	98.1		88 - 110		
4-Bromofluorobenzene (Surrogate)	BQG0184	BQG0184-BS1	LCS	11.430	10.000		ug/L	114		86 - 115		

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

 Project: 5367  
 Project Number: [none]  
 Project Manager: Anju Farfan

Reported: 07/09/2007 15:41

## 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	BQG0183	BQG0183-BLK1	ND	ug/L	0.50		
Ethylbenzene	BQG0183	BQG0183-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BQG0183	BQG0183-BLK1	ND	ug/L	0.50		
Toluene	BQG0183	BQG0183-BLK1	ND	ug/L	0.50		
Total Xylenes	BQG0183	BQG0183-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BQG0183	BQG0183-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BQG0183	BQG0183-BLK1	99.5	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BQG0183	BQG0183-BLK1	97.3	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BQG0183	BQG0183-BLK1	104	%	86 - 115 (LCL - UCL)		
Benzene	BQG0184	BQG0184-BLK1	ND	ug/L	0.50		
Ethylbenzene	BQG0184	BQG0184-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BQG0184	BQG0184-BLK1	ND	ug/L	0.50		
Toluene	BQG0184	BQG0184-BLK1	ND	ug/L	0.50		
Total Xylenes	BQG0184	BQG0184-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BQG0184	BQG0184-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BQG0184	BQG0184-BLK1	106	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BQG0184	BQG0184-BLK1	97.2	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BQG0184	BQG0184-BLK1	102	%	86 - 115 (LCL - UCL)		



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**Notes And Definitions**

- MDL Method Detection Limit
- ND Analyte Not Detected at or above the reporting limit
- PQL Practical Quantitation Limit
- RPD Relative Percent Difference
- A01 PQL's and MDL's are raised due to sample dilution.

Submission #: 07-07546

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 Blw  
 Temperature: 3.7 °C  
 Thermometer ID: 48

Emissivity 0.98  
 Container VOA

Date/Time 7/27  
 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 B	A B	A B	A B	A B	A B	A B	A B	A B	A B
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: -10 had one vial received broken  
 Sample Numbering Completed By: Amx Date/Time: 7/3/02 1332

07-07546

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/XYLS BY 8260B	ETHANOL by 8260B	TPH -G by GC/MS			Turnaround Time Requested
Address: 500 Bancroft Ave		21 Techology Drive Irvine, CA 92618-2302 Attn: Anju Farfan												
City: San Leandro		4-digit site#: 5367												
State: CA Zip:		Workorder # 01400-4507923448												
Conoco Phillips Mgr: D. Dettloff		Project #: 125703												
Sampler Name: JOE LEWIS														
Lab#	Sample Description	Field Point Name	Date & Time Sampled											
	-1	MW-4	07-02-07 0827	GW					X	X				STD
	-2	MW-3	0908											
	-3	MW-2	0953											
	-4	MW-5	1015											
	-5	MW-9	1042											
	-6	MW-6	1106											
	-7	MW-7	1126											
	-8	MW-8	1156											
Comments:  GLOBAL ID: T0600101479				Relinquished by: (Signature) <i>Joe D. Lewis</i>		Received by: refridgerator		Date & Time 07-02-07 1413						
				Relinquished by: (Signature) <i>Joe D. Lewis</i>		Received by: <i>Ross Dickey</i>		Date & Time 7/2/07 1420						
				Relinquished by: (Signature) <i>Ross Dickey 7/2/07</i>		Received by: <i>Rubyn</i>		Date & Time 7-2-07 1815						

(A) = ANALYSIS (C) = CONTAINER

(P) = PRESERVATIVE

Rubyn 7-2-07 2140 *[Signature]* 7/2/07 240

0707546

**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: 500 Bancroft Ave		21 Techology Drive Irvine, CA 92618-2302 Attn: Anju Farfan										
City: San Leandro		4-digit site#: 5367										
State: CA Zip:		Workorder # 01400-4507923498										
Conoco Phillips Mgr: D. Dettloff		Project #: 125703										
Sampler Name: JOE LEWIS												
Lab#	Sample Description	Field Point Name	Date & Time Sampled									
	-9	mw-10	07-02-07 1224	GW					X	X		STD
	-10	mw-1	07-02-07 1249	GW					X	X		STD

CHK BY RML DISTRIBUTION  SUB-OUT

Comments:  GLOBAL ID: T0600101479	Relinquished by: (Signature) <u>Joe D. Lewis</u>	Received by: refridgator	Date & Time 07-02-07 1413
	Relinquished by: (Signature) <u>Joe D. Lewis</u>	Received by: Ross Dickey	Date & Time 7/2/07 1420
	Relinquished by: (Signature) <u>Ross Dickey 7/2/07</u>	Received by: Richard	Date & Time 7-2-07 1815

(A) = ANALYSIS (C) = CONTAINER

(P) = PRESERVATIVE

R/R under 7-2-07 2140 [Signature] 7/2/07 2140



## **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.