

**RECEIVED**

9:40 am, Apr 29, 2009

Alameda County  
Environmental Health



76 Broadway  
Sacramento, California 95818

April 7, 2009

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

Re: **Quarterly Summary Report—First Quarter 2009**  
**Former 76 Service Station # 0843 RO # 0450**  
**1629 Webster Street**  
**Alameda, CA**

Dear Ms. Jakub:

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

If you have any questions or need additional information, please call me at (916) 558-7666.

Sincerely,

A handwritten signature in black ink, appearing to read "Terry L. Grayson". The signature is fluid and cursive, with a large loop at the end.

Terry L. Grayson  
Site Manager  
Risk Management & Remediation

April 7, 2009

Ms. Barbara Jakub  
Alameda County Health Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

**Re: Quarterly Summary Report – First Quarter 2009**  
Fuel Leak Case No. RO0000450

Dear Ms. Jakub:

On behalf of ConocoPhillips Company (COP), Delta Consultants (Delta) is submitting the Quarterly Summary Report - First Quarter 2009 and forwarding a copy of TRC Solutions, Inc. (TRC's) *Quarterly Monitoring Report, January through March 2009*, dated April 2, 2009, for the following location:



**Service Station**

**Location**

76 Service Station No. 0843

1629 Webster Street  
Alameda, California

Sincerely,  
**Delta Consultants**

A handwritten signature in blue ink that reads "James B. Barnard".

James B. Barnard, P.G.  
California Registered Professional Geologist No. 7478



cc: Mr. Terry Grayson, ConocoPhillips (electronic copy)

April 7, 2009

Ms. Barbara Jakub  
Alameda County Health Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

**Re: Quarterly Summary Report – First Quarter 2009**  
Fuel Leak Case No. RO0000450

Dear Ms. Jakub:

On behalf of ConocoPhillips Company (COP), Delta Consultants (Delta) is submitting the Quarterly Summary Report - First Quarter 2009 and forwarding a copy of TRC Solutions, Inc. (TRC's) *Quarterly Monitoring Report, January through March 2009*, dated *April 2, 2009*, for the following location:

**Service Station**

**Location**

76 Service Station No. 0843

1629 Webster Street  
Alameda, California

Sincerely,  
**Delta Consultants**

James B. Barnard, P.G.  
California Registered Professional Geologist No. 7478

cc: Mr. Terry Grayson, ConocoPhillips (electronic copy)

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

**76 Service Station No. 0843**  
**1629 Webster Street**  
**Alameda, California**

**PREVIOUS ASSESSMENT**

June 1998 - Tosco Marketing Company (Tosco, now ConocoPhillips) exhumed and removed two 10,000-gallon gasoline underground storage tanks (USTs), one 550-gallon used oil UST, product lines, and fuel dispensers. Two holes approximately ¾-inch in diameter were observed in the used oil tank during removal. Approximately 338 tons of hydrocarbon impacted soil and backfill were removed from beneath the former USTs, fuel dispensers, and product lines during the UST removal activities.

March 1999 – Four soil borings (B1 through B4) were advanced at the site and converted to monitor wells MW-1 through MW-4. Groundwater was encountered from 8 to 15 feet below ground surface (bgs). Static groundwater was observed at depths ranging from 4 and 6 feet bgs subsequent to well installation.

December 1999 – Two off-site soil borings (B5 and B6) were advanced and subsequently converted to monitor wells MW-5 and MW-6. Groundwater was initially present at approximately 10 feet bgs. Static groundwater was observed at a depth of approximately 7 feet bgs subsequent to well installation.

March 2001 - An underground utility survey was conducted to identify and locate underground utilities beneath and in the vicinity of the site that could provide potential preferential pathways for groundwater flow.

May 2001 - Five direct-push soil borings (GP-1 through GP-5) were advanced to evaluate whether underground utilities in the vicinity of the site are providing preferential pathways for groundwater flow and the migration of dissolved phase hydrocarbons. The results of the investigation indicated insufficient evidence that underground utility lines were providing preferential pathways for the off-site migration of dissolved phase hydrocarbons.

December 2001 - Twelve direct-push soil borings (GP-6 through GP-17) were advanced to further assess the extent of residual hydrocarbons in the vadose zone beneath the site. The results of the investigation indicated that the extent of the residual hydrocarbon impact reported in the previous investigations was limited.

December 2002 - One on-site monitoring well (MW-2) was destroyed during remedial excavation of hydrocarbon-impacted soil. Prior to destruction, monitoring well MW-2 was located near the former eastern dispenser island. During the remedial excavation, monitoring well MW-2 was replaced with on-site backfill monitoring well MW-2A. Approximately 292 tons of hydrocarbon-impacted soil was removed from beneath the former eastern dispenser island.

September 2003 - A *Request and Work Plan for Closure* prepared by ERI was submitted to the Alameda County Health Care Services Agency (ACHCSA), dated September 10, 2003. The report summarized why no further action is needed for the site; the report also included plans to destroy the existing wells upon regulatory acceptance for no further action. Closure was not granted.

June 2004 – A work plan was submitted for the installation of two additional monitor wells down-gradient of MW-5.

May 2005 – A work plan titled *Work Plan Addendum – Site Assessment Activity* dated May 17, 2005 was prepared by ATC Associates Inc. (ATC) for the installation of two off-site monitor wells.

September 2005 – A work plan was prepared by ATC titled *Work Plan Subsurface Investigation*, for the installation of one on-site monitor well.

September 2005 – Site environmental consulting responsibilities were transferred to Delta.

On January 24, 2007 Delta submitted a work plan to the ACHCSA recommending the advancement of one soil boring and the installation of three ozone injection wells at the site.

On August 14, 2008 Gregg Drilling under the supervision of a Delta field geologist advanced one soil boring to a depth of 55 feet bgs. The details of this investigation are described in the *Site Investigation Report* dated October 29, 2008.

## **SENSITIVE RECEPTORS**

June/July 2002 - A groundwater receptor survey was conducted. Three irrigation wells were located within a one-half mile radius of the site. The wells are located approximately 1,980 feet west and 2,245 feet southwest of the site, cross-gradient and up-gradient of the site.

November 2006 – A survey entailing a visit to the DWR office in Sacramento was conducted to examine well log records and to identify domestic wells within the survey area. The DWR survey provided 15 potential receptors within one mile of the site; one domestic well located 0.5 mile southwest of the site; one domestic/irrigation well located 0.7 mile southeast of the site; 11 irrigation wells with three located 0.1 mile northwest, west, and southeast of the site; and two industrial wells located 0.3 miles southwest and 0.9 mile northeast of the site.

## **GROUNDWATER MONITORING AND SAMPLING**

Quarterly groundwater monitoring and sampling was initiated in March 1999. During the most recent groundwater monitoring and sampling event conducted on February 24, 2009, depth to groundwater ranged from 5.1 feet (MW-5) to 6.73 (MW-1) below top of casing (TOC). The groundwater flow direction was interpreted to be to the north

with a gradient of 0.004 foot per foot (ft/ft) as compared to the previous quarterly sampling event (11/26/2008) when the groundwater flow direction was interpreted to be to the north with a gradient of 0.02 ft/ft. Historic groundwater flow directions are shown on a rose diagram presented as Attachment B.

### **Constituents of Concern:**

- **TPHg:** Total purgeable petroleum hydrocarbons (as gasoline), were above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring wells MW-1 and MW-6, at concentrations of 630 micrograms per liter ( $\mu\text{g/L}$ ) and 250 ( $\mu\text{g/L}$ ) respectively. The maximum concentration reported in well MW-1 during the current event, is a decrease in the previous maximum of 720 ( $\mu\text{g/L}$ ), reported in well MW-2A on (11/26/2008).
- **Benzene:** Benzene was not reported above the laboratory's indicated reporting limits during the current event. During the previous (11/26/2008) sampling event, MW-2A was reported to contain benzene over the laboratory reporting limits, at a concentration of 0.56  $\mu\text{g/L}$ .
- **MTBE:** MTBE was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring wells MW-1, MW-3, MW-4, and MW-6 at concentrations of 2,300  $\mu\text{g/L}$ , 1.9  $\mu\text{g/L}$ , 1.8  $\mu\text{g/L}$  and 450  $\mu\text{g/L}$ , respectively. All concentrations reported during the current sampling event represent a decrease from the previous event (11/26/2008), with the exception of MW-6, which increased from the previous, fourth quarter 2008 sampling event.

Ethyl-benzene, toluene, and total xylenes were below the laboratory's indicated reporting limit in the groundwater sample collected and submitted for analysis during the current sampling event.

### **REMEDIATION STATUS**

Approximately 338 tons of hydrocarbon impacted soil and backfill were removed from beneath the former USTs, fuel dispensers, and product lines during the June 1998 UST removal activities. Approximately 292 tons of hydrocarbon-impacted soil was removed from beneath the former eastern island during the December 2002 excavation.

### **CHARACTERIZATION STATUS**

Based on the data obtained during the August 2008 site investigation, additional assessment has been recommended in the vicinity between monitoring well MW-2A, and monitoring well MW-1, and in the northeast corner of the site along the intersection of Pacific and Webster streets.

Analytical data from groundwater samples collected from the Shell service station located approximately 75 feet south (up-gradient) of the site indicate that TPPH and MTBE are present in the groundwater and it appears that MW-1 is showing petroleum hydrocarbon impact from the off-site migration of these constituents onto the site.

## **DISCUSSION**

Delta submitted a revised work plan for the destruction of monitoring wells MW-1 and MW-2A due to proposed on-site construction activities by the current property owner. Abandonment of MW-1 will be delayed at this time. However, the revised work plan will include the replacement monitoring wells MW-1AR and MW-1BR in the southwestern portion of the site, the installation of monitoring wells MW-7 and MW-8 in the northeast corner of the site, the installation of one ozone injection well (TSP-1) in the southern portion of the site, and three ozone monitoring wells (MW-9, MW-10, MW-11) installed near TSP-1 at the site.

## **RECENT CORRESPONDENCE**

During the first quarter 2009, Alameda County Health Department (ACDH) acknowledged in a letter dated March 6, 2009, receipt of the Work Plan – Site Investigation and Monitoring Well Installation submitted by Delta dated February 18, 2009. Delta submitted a revised Work Plan – Site Investigation and Monitoring Well Installation report on March 16, 2009.

## **WASTE DISPOSAL SUMMARY**

Waste generated during the recent site investigation was removed from site and properly disposed of at the COP-approved refinery in Rodeo, California.

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

1. TRC conducted the quarterly monitoring and sampling activities at the site.
2. An underground utility survey was conducted at this site on March 10, 2009.
3. Delta prepared and submitted the revised *Work Plan- Site Investigation and Monitoring Well Installation* report, dated March 16, 2009.

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

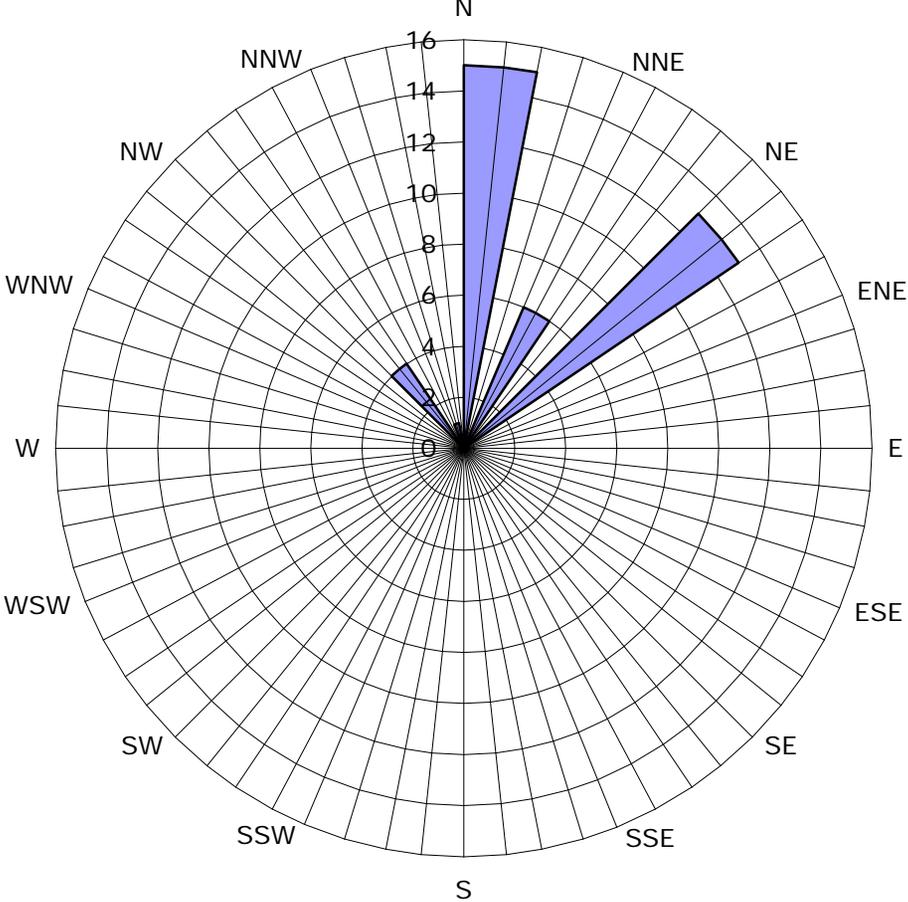
1. TRC will conduct quarterly groundwater monitoring and sampling activities at the site.
2. Delta will prepare and submit a *Site Investigation and Monitoring Well Completion Report*.

**CONSULTANT:** Delta Consultants

Attachment A – Historic Groundwater Flow Directions

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

**Historic Groundwater Flow Directions**  
**ConocoPhillips Site No. 0843**  
1629 Webster Street  
Alameda, California



Legend  
Concentric circles represent  
quarterly monitoring events  
First Quarter 1999 through  
First Quarter 2009  
39 data points shown

■ Groundwater Flow Direction



21 Technology Drive  
Irvine, CA 92618

949.727.9336 PHONE  
949.727.7399 FAX

www.TRCsolutions.com

DATE: April 2, 2009

TO: ConocoPhillips Company  
76 Broadway  
Sacramento, CA 95818

ATTN: MR. TERRY GRAYSON

SITE: FORMER 76 STATION 0843  
1629 WEBSTER STREET  
ALAMEDA, CALIFORNIA

RE: QUARTERLY MONITORING REPORT  
JANUARY THROUGH MARCH 2009

Dear Mr. Grayson:

Please find enclosed our Quarterly Monitoring Report for Former 76 Station 0843, located at 1629 Webster Street, Alameda, 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. James Barnard, Delta Consultants (2 copies)

Enclosures  
20-0400/0843R23.QMS

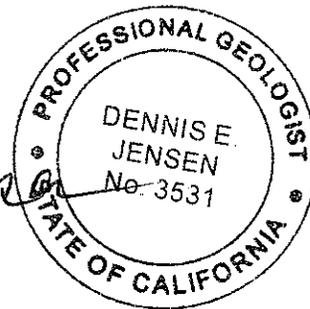
**QUARTERLY MONITORING REPORT  
JANUARY THROUGH MARCH 2009**

FORMER 76 STATION 0843  
1629 Webster Street  
Alameda, California

Prepared For:

Mr. Terry Grayson  
ConocoPhillips Company  
76 Broadway  
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations

Date: 4/2/09



## LIST OF ATTACHMENTS

Summary Sheet	Summary of Gauging and Sampling Activities
Tables	<p>Table Key</p> <p>Contents of Tables</p> <p>Table 1: Current Fluid Levels and Selected Analytical Results</p> <p>Table 1a: Additional Current Analytical Results</p> <p>Table 1b: Additional Current Analytical Results</p> <p>Table 2: Historic Fluid Levels and Selected Analytical Results</p> <p>Table 2a: Additional Historic Analytical Results</p> <p>Table 2b: Additional Historic Analytical Results</p>
Coordinated Event Data	<p><i>Shell Service Station</i></p> <p>Well Concentrations</p>
Figures	<p>Figure 1: Vicinity Map</p> <p>Figure 2: Groundwater Elevation Contour Map</p> <p>Figure 3: Dissolved-Phase TPH-G (GC/MS) Concentration Map</p> <p>Figure 4: Dissolved-Phase Benzene Concentration Map</p> <p>Figure 5: Dissolved-Phase MTBE Concentration Map</p> <p>Figure 6: Dissolved-Phase TBA Concentration Map</p>
Graphs	<p>Groundwater Elevations vs. Time</p> <p>Benzene Concentrations vs. Time</p>
Field Activities	<p>General Field Procedures</p> <p>Field Monitoring Data Sheet – 02/24/09</p> <p>Groundwater Sampling Field Notes – 02/24/09</p>
Laboratory Reports	<p>Official Laboratory Reports</p> <p>Quality Control Reports</p> <p>Chain of Custody Records</p>
Statements	<p>Purge Water Disposal</p> <p>Limitations</p>

**Summary of Gauging and Sampling Activities**  
**January 2009 through March 2009**  
**Former 76 Station 0843**  
**1629 Webster Street**  
**Alameda, CA**

---

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

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

Date(s) of Gauging/Sampling Event: **02/24/09**

---

**Sample Points**

Groundwater wells: **4** onsite, **2** offsite      Points gauged: **6**      Points sampled: **6**  
Purging method: **Diaphragm/submersible pump**  
Purge water disposal: **Veolia/Rodeo Unit 100**  
Other Sample Points: **0**      Type: --

---

**Liquid Phase Hydrocarbons (LPH)**

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

---

**Hydrogeologic Parameters**

Depth to groundwater (below TOC):      Minimum: **5.1 feet**      Maximum: **6.73 feet**  
Average groundwater elevation (relative to available local datum): **12.01 feet**  
Average change in groundwater elevation since previous event: **4.78 feet**  
Interpreted groundwater gradient and flow direction:  
    Current event: **0.004 ft/ft, north**  
    Previous event: **0.02 ft/ft, north (11/26/08)**

---

**Selected Laboratory Results**

Sample Points with detected **Benzene**: **0**      Sample Points above MCL (1.0 µg/l): --  
    Maximum reported benzene concentration: --  
  
Sample Points with **TPH-G by GC/MS**      **2**      Maximum: **630 µg/l (MW-1)**  
Sample Points with **MTBE 8260B**      **4**      Maximum: **2,300 µg/l (MW-1)**

---

**Notes:**

---

# TABLES

## TABLE KEY

### STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND <	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)
D	=	duplicate
P	=	no-purge sample

### ANALYTES

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

### NOTES

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

### REFERENCE

TRC began groundwater monitoring and sampling for Former 76 Station 0843 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc



**Table 1**  
**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 24, 2009**  
**Former 76 Station 0843**

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: 4.5-20.5)</b>											
02/24/09	19.13	6.73	0.00	12.40	4.87	--	630	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2300	
<b>MW-2A</b>			<b>(Screen Interval in feet: 5-11.5)</b>											
02/24/09	18.51	6.19	0.00	12.32	4.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>MW-3</b>			<b>(Screen Interval in feet: 5.0-20.0)</b>											
02/24/09	18.05	5.98	0.00	12.07	4.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.9	
<b>MW-4</b>			<b>(Screen Interval in feet: 5.0-20.5)</b>											
02/24/09	18.14	5.96	0.00	12.18	4.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.8	
<b>MW-5</b>			<b>(Screen Interval in feet: 5-20)</b>											
02/24/09	16.45	5.10	0.00	11.35	4.83	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>MW-6</b>			<b>(Screen Interval in feet: 5-20)</b>											
02/24/09	16.97	5.20	0.00	11.77	4.70	--	250	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	450	

**Table 1 a**  
**ADDITIONAL CURRENT ANALYTICAL RESULTS**  
**Former 76 Station 0843**

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Carbon (organic, total) (mg/l)	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Sulfate (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)
<b>MW-1</b> 02/24/09	ND<10	ND<250	ND<0.50	ND<0.50	2.5	1.3	ND<100	ND<1.0	500	18	4.63	3.22
<b>MW-2A</b> 02/24/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	17	110	ND<1.0	130	87	3.38	4.44
<b>MW-3</b> 02/24/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	3.2	ND<100	ND<1.0	1100	130	5.01	2.30
<b>MW-4</b> 02/24/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	1.7	ND<100	3.1	250	130	6.15	4.27
<b>MW-5</b> 02/24/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	4.5	ND<100	ND<1.0	720	64	5.65	2.58
<b>MW-6</b> 02/24/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	2.7	ND<100	1.2	2300	85	3.40	1.29

**Table 1 b**  
**ADDITIONAL CURRENT ANALYTICAL RESULTS**  
**Former 76 Station 0843**

Date Sampled	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>MW-1</b> 02/24/09	57	59
<b>MW-2A</b> 02/24/09	50	34
<b>MW-3</b> 02/24/09	46	49
<b>MW-4</b> 02/24/09	61	64
<b>MW-5</b> 02/24/09	27	34
<b>MW-6</b> 02/24/09	68	67

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through February 2009**  
**Former 76 Station 0843**

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 (Screen Interval in feet: 4.5-20.5)</b>														
03/05/99	16.18	--	--	--	--	86.6	--	ND	2.04	ND	4.06	--	23.9	
06/03/99	16.18	6.24	0.00	9.94	--	ND	--	ND	ND	ND	ND	ND	ND	
09/02/99	16.18	7.19	0.00	8.99	-0.95	ND	--	ND	ND	ND	ND	ND	ND	
12/14/99	16.18	8.07	0.00	8.11	-0.88	ND	--	ND	ND	ND	ND	ND	--	
03/14/00	16.18	5.47	0.00	10.71	2.60	ND	--	ND	ND	ND	ND	ND	--	
05/31/00	16.18	6.22	0.00	9.96	-0.75	ND	--	ND	ND	ND	ND	ND	--	
08/29/00	16.18	6.82	0.00	9.36	-0.60	ND	--	ND	ND	ND	ND	ND	--	
12/01/00	16.18	7.54	0.00	8.64	-0.72	ND	--	ND	ND	ND	ND	ND	--	
03/17/01	16.18	5.73	0.00	10.45	1.81	ND	--	ND	ND	ND	ND	ND	--	
05/23/01	16.18	6.43	0.00	9.75	-0.70	ND	--	ND	ND	ND	ND	ND	--	
09/24/01	16.18	7.12	0.00	9.06	-0.69	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
12/10/01	16.18	6.89	0.00	9.29	0.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
03/11/02	16.18	5.61	0.00	10.57	1.28	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
06/07/02	16.18	5.71	0.00	10.47	-0.10	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
09/03/02	16.18	--	--	--	--	--	--	--	--	--	--	--	--	Not monitored/sampled
12/12/02	16.18	7.80	0.00	8.38	--	--	--	--	--	--	--	--	--	No longer sampled
03/13/03	16.18	5.94	0.00	10.24	1.86	--	--	--	--	--	--	--	--	
06/12/03	16.18	6.10	0.00	10.08	-0.16	--	--	--	--	--	--	--	--	
09/12/03	16.18	6.65	0.00	9.53	-0.55	--	--	--	--	--	--	--	--	
12/31/03	16.18	5.74	0.00	10.44	0.91	--	--	--	--	--	--	--	--	Monitored Only
02/12/04	16.18	6.02	0.00	10.16	-0.28	--	--	--	--	--	--	--	--	Monitored Only
06/07/04	16.18	6.61	0.00	9.57	-0.59	--	--	--	--	--	--	--	--	Monitored Only

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through February 2009**  
**Former 76 Station 0843**

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>														
09/17/04	16.18	7.58	0.00	8.60	-0.97	--	--	--	--	--	--	--	--	Sampled Q1 only
12/11/04	16.18	6.49	0.00	9.69	1.09	--	--	--	--	--	--	--	--	Sampled Q1 only
03/15/05	16.18	5.28	0.00	10.90	1.21	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	27	
05/17/05	16.18	5.83	0.00	10.35	-0.55	--	--	--	--	--	--	--	--	Sampled Q1 only
07/27/05	16.18	6.52	0.00	9.66	-0.69	--	--	--	--	--	--	--	--	Sampled Q1 only
11/23/05	16.18	7.28	0.00	8.90	-0.76	--	--	--	--	--	--	--	--	Sampled Q1 only
02/24/06	16.18	6.60	0.00	9.58	0.68	--	910	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5100	
05/30/06	16.18	6.48	0.00	9.70	0.12	--	--	--	--	--	--	--	--	Sampled Q1 only
08/30/06	16.18	9.51	0.00	6.67	-3.03	--	--	--	--	--	--	--	--	Sampled Q1 only
11/22/06	16.18	7.05	0.00	9.13	2.46	--	220	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	420	
02/23/07	16.18	6.40	0.00	9.78	0.65	--	1300	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	1700	
05/18/07	16.18	6.65	0.00	9.53	-0.25	--	2300	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	3300	
08/10/07	16.18	7.26	0.00	8.92	-0.61	--	4100	ND<25	ND<25	ND<25	ND<25	--	4300	
11/09/07	16.18	7.40	0.00	8.78	-0.14	--	5700	ND<25	ND<25	ND<25	ND<25	--	5400	
02/08/08	16.18	6.09	0.00	10.09	1.31	--	2600	ND<5.0	ND<5.0	ND<5.0	ND<10	--	4100	
05/16/08	16.18	6.87	0.00	9.31	-0.78	--	1800	ND<12	ND<12	ND<12	42	--	3500	
08/15/08	16.18	7.78	0.00	8.40	-0.91	--	1200	ND<5.0	ND<5.0	ND<5.0	ND<10	--	1900	
11/26/08	16.18	8.65	0.00	7.53	-0.87	--	720	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2400	
02/24/09	19.13	6.73	0.00	12.40	4.87	--	630	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2300	
<b>MW-2 (Screen Interval in feet: 4.5-20.5)</b>														
03/05/99	15.57	--	0.00	--	--	34400	--	2070	7710	2340	8240	--	8460	
06/03/99	15.57	5.96	0.00	9.61	--	51200	--	1820	7570	2510	7320	6460	8800	
09/02/99	15.57	6.85	0.00	8.72	-0.89	17000	--	1000	3100	1400	3700	4000	3720	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through February 2009**  
**Former 76 Station 0843**

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>														
12/14/99	15.57	7.65	0.00	7.92	-0.80	83000	--	3000	22000	4500	17000	9100	11000	
03/14/00	15.57	5.26	0.00	10.31	2.39	31000	--	1600	4600	2300	7300	5700	8700	
05/31/00	15.57	5.60	0.00	9.97	-0.34	9970	--	598	1030	487	2060	2500	1670	
08/29/00	15.57	6.35	0.00	9.22	-0.75	7900	--	390	1500	280	1900	1800	1300	
12/01/00	15.57	7.06	0.00	8.51	-0.71	87500	--	1860	17400	5590	19400	6220	3790	
03/17/01	15.57	5.98	0.00	9.59	1.08	4310	--	371	59.0	280	682	321	433	
05/23/01	15.57	6.97	0.00	8.60	-0.99	45400	--	374	4490	2790	10900	ND	406	
09/24/01	15.57	7.56	0.00	8.01	-0.59	76000	--	430	13000	4700	18000	ND<2000	480	
12/10/01	15.57	6.52	0.00	9.05	1.04	82000	--	320	9100	4400	16000	ND<2500	270	
03/11/02	15.57	5.51	0.00	10.06	1.01	14000	--	75	1400	1100	3600	ND<250	150	
06/07/02	15.57	5.73	0.00	9.84	-0.22	14000	--	120	1200	1400	4700	540	200	
09/03/02	15.57	6.81	0.00	8.76	-1.08	10000	--	150	1200	610	2800	510	460	
12/12/02	15.57	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed, replaced with MW-2A
<b>MW-2a (Screen Interval in feet: 5-11.5)</b>														
12/12/02	15.56	7.45	0.00	8.11	--	3400	--	80	260	210	1000	380	400	
03/13/03	--	5.85	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	1.8	2.4	2.4	
06/12/03	--	6.08	0.00	--	--	ND<50	--	0.59	0.69	ND<0.50	1.2	6.0	4.7	
09/12/03	15.56	6.54	0.00	9.02	--	--	120	1.8	4.2	6.1	20	--	6.6	
12/31/03	15.56	5.63	0.00	9.93	0.91	88	--	0.79	1.8	3.6	14	ND<5.0	2.9	
02/12/04	15.56	5.68	0.00	9.88	-0.05	160	--	2.6	4.8	13	48	7.2	7.9	
06/07/04	15.56	6.21	0.00	9.35	-0.53	94	--	0.80	1.2	2.1	9.1	4.5	3.7	
09/17/04	15.56	7.16	0.00	8.40	-0.95	--	230	3.5	6.1	13	41	--	83	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through February 2009**  
**Former 76 Station 0843**

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-2A continued</b>														
12/11/04	15.56	5.84	0.00	9.72	1.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.2	
03/15/05	15.56	5.52	0.00	10.04	0.32	--	92	0.84	1.7	2.4	9.8	--	ND<10	
05/17/05	15.56	5.55	0.00	10.01	-0.03	--	54	2.1	1.7	1.9	7.0	--	2.9	
07/27/05	15.56	6.16	0.00	9.40	-0.61	--	ND<50	0.66	1.1	1.3	4.2	--	3.7	
11/23/05	15.56	6.88	0.00	8.68	-0.72	--	120	1.3	2.8	7.8	30	--	10	
02/24/06	15.56	5.79	0.00	9.77	1.09	--	84	0.51	1.2	4.2	16	--	7.2	
05/30/06	15.56	5.62	0.00	9.94	0.17	--	69	0.90	2.2	3.7	14	--	4.1	
08/30/06	15.56	6.38	0.00	9.18	-0.76	--	77	ND<0.50	0.50	1.0	3.3	--	2.5	
11/22/06	15.56	6.60	0.00	8.96	-0.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	2.2	--	0.59	
02/23/07	15.56	6.05	0.00	9.51	0.55	--	ND<50	ND<0.50	0.66	ND<0.50	1.1	--	0.72	
05/18/07	15.56	6.29	0.00	9.27	-0.24	--	ND<50	ND<0.50	ND<0.50	0.68	1.6	--	0.81	
08/10/07	15.56	6.90	0.00	8.66	-0.61	--	ND<50	ND<0.50	ND<0.50	1.6	3.9	--	ND<0.50	
11/09/07	15.56	6.96	0.00	8.60	-0.06	--	ND<50	ND<0.50	ND<0.50	2.4	4.4	--	ND<0.50	
02/08/08	15.56	5.76	0.00	9.80	1.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
05/16/08	15.56	6.50	0.00	9.06	-0.74	--	ND<50	ND<0.50	ND<0.50	0.56	1.2	--	ND<0.50	
08/15/08	15.56	7.35	0.00	8.21	-0.85	--	78	ND<0.50	0.79	2.9	6.5	--	ND<0.50	
11/26/08	15.56	8.12	0.00	7.44	-0.77	--	120	0.56	0.66	4.6	6.0	--	1.8	
02/24/09	18.51	6.19	0.00	12.32	4.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>MW-3 (Screen Interval in feet: 5.0-20.0)</b>														
03/05/99	15.11	--	0.00	--	--	135	--	ND	ND	ND	4.84	--	2.46	
06/03/99	15.11	5.57	0.00	9.54	--	ND	--	ND	ND	ND	ND	5.23	12.7	
09/02/99	15.11	6.50	0.00	8.61	-0.93	ND	--	ND	ND	ND	ND	13	11	
12/14/99	15.11	7.28	0.00	7.83	-0.78	ND	--	ND	ND	ND	ND	ND	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through February 2009**  
**Former 76 Station 0843**

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>														
03/14/00	15.11	4.87	0.00	10.24	2.41	ND	--	ND	ND	ND	ND	7.2	6.3	
05/31/00	15.11	5.58	0.00	9.53	-0.71	ND	--	ND	ND	ND	ND	ND	--	
08/29/00	15.11	6.06	0.00	9.05	-0.48	ND	--	ND	ND	ND	ND	ND	ND	
12/01/00	15.11	6.76	0.00	8.35	-0.70	ND	--	ND	ND	ND	ND	ND	--	
03/17/01	15.11	5.09	0.00	10.02	1.67	ND	--	ND	ND	ND	ND	ND	--	
05/23/01	15.11	5.72	0.00	9.39	-0.63	ND	--	ND	ND	ND	ND	ND	--	
09/24/01	15.11	6.34	0.00	8.77	-0.62	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
12/10/01	15.11	6.31	0.00	8.80	0.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
03/11/02	15.11	5.15	0.00	9.96	1.16	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
06/07/02	15.11	5.45	0.00	9.66	-0.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/12/02	15.11	7.15	0.00	7.96	-1.70	--	--	--	--	--	--	--	--	No longer sampled
03/13/03	15.11	5.37	0.00	9.74	1.78	--	--	--	--	--	--	--	--	
06/12/03	15.11	5.51	0.00	9.60	-0.14	--	--	--	--	--	--	--	--	
09/12/03	15.11	6.03	0.00	9.08	-0.52	--	--	--	--	--	--	--	--	
12/31/03	15.11	5.62	0.00	9.49	0.41	--	--	--	--	--	--	--	--	Monitored Only
02/12/04	15.11	5.51	0.00	9.60	0.11	--	--	--	--	--	--	--	--	Monitored Only
06/07/04	15.11	5.92	0.00	9.19	-0.41	--	--	--	--	--	--	--	--	Monitored Only
09/17/04	15.11	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
12/11/04	15.11	5.94	0.00	9.17	--	--	--	--	--	--	--	--	--	Sampled annually
03/11/05	15.11	4.76	0.00	10.35	1.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
05/17/05	15.11	5.23	0.00	9.88	-0.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
07/27/05	15.11	5.81	0.00	9.30	-0.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/23/05	15.11	6.60	0.00	8.51	-0.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through February 2009**  
**Former 76 Station 0843**

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>														
02/24/06	15.11	5.37	0.00	9.74	1.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.2	
05/30/06	15.11	5.08	0.00	10.03	0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.92	
08/30/06	15.11	5.52	0.00	9.59	-0.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.51	
11/22/06	15.11	6.38	0.00	8.73	-0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.94	
02/23/07	15.11	5.72	0.00	9.39	0.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.61	
05/18/07	15.11	5.94	0.00	9.17	-0.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.1	
08/10/07	15.11	7.64	0.00	7.47	-1.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/09/07	15.11	6.75	0.00	8.36	0.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.1	
02/08/08	15.11	5.39	0.00	9.72	1.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
05/16/08	15.11	6.17	0.00	8.94	-0.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.2	
08/15/08	15.11	7.01	0.00	8.10	-0.84	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.3	
11/26/08	15.11	7.73	0.00	7.38	-0.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.8	
02/24/09	18.05	5.98	0.00	12.07	4.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.9	
<b>MW-4 (Screen Interval in feet: 5.0-20.5)</b>														
03/05/99	15.17	--	0.00	--	--	ND	--	ND	ND	ND	2.44	--	25.2	
06/03/99	15.17	5.45	0.00	9.72	--	ND	--	ND	ND	ND	ND	ND	3.96	
09/02/99	15.17	6.48	0.00	8.69	-1.03	ND	--	ND	ND	ND	ND	23	27	
12/14/99	15.17	7.27	0.00	7.90	-0.79	ND	--	ND	ND	ND	ND	200	270	
03/14/00	15.17	4.67	0.00	10.50	2.60	ND	--	ND	ND	ND	ND	46	49	
05/31/00	15.17	5.48	0.00	9.69	-0.81	ND	--	ND	ND	ND	ND	ND	--	
08/29/00	15.17	6.10	0.00	9.07	-0.62	ND	--	ND	ND	ND	ND	6.1	3.2	
12/01/00	15.17	6.79	0.00	8.38	-0.69	ND	--	ND	ND	ND	ND	152	101	
03/17/01	15.17	5.01	0.00	10.16	1.78	ND	--	ND	ND	ND	ND	ND	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through February 2009**  
**Former 76 Station 0843**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)									Comments
						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)	
<b>MW-4 continued</b>														
05/23/01	15.17	5.78	0.00	9.39	-0.77	ND	--	ND	ND	ND	ND	ND	ND	--
09/24/01	15.17	6.42	0.00	8.75	-0.64	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	--
12/10/01	15.17	6.41	0.00	8.76	0.01	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1700	1300	--
03/11/02	15.17	5.05	0.00	10.12	1.36	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	--
06/07/02	15.17	5.42	0.00	9.75	-0.37	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.5	--
09/03/02	15.17	6.50	0.00	8.67	-1.08	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.5	--
12/12/02	15.17	7.18	0.00	7.99	-0.68	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.9	3.3	--
03/13/03	15.17	5.42	0.00	9.75	1.76	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	--
06/12/03	15.17	5.60	0.00	9.57	-0.18	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	--
09/12/03	15.17	6.07	0.00	9.10	-0.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	--
12/31/03	15.17	5.63	0.00	9.54	0.44	750	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	790	790	--
02/12/04	15.17	5.26	0.00	9.91	0.37	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	--
06/07/04	15.17	5.82	0.00	9.35	-0.56	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<1	--
09/17/04	15.17	6.86	0.00	8.31	-1.04	--	56	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	10	--
12/11/04	15.17	6.01	0.00	9.16	0.85	--	350	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	380	--
03/11/05	15.17	4.61	0.00	10.56	1.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
05/17/05	15.17	4.93	0.00	10.24	-0.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
07/27/05	15.17	5.74	0.00	9.43	-0.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
11/23/05	15.17	6.59	0.00	8.58	-0.85	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	23	--
02/24/06	15.17	5.19	0.00	9.98	1.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.7	--
05/30/06	15.17	5.07	0.00	10.10	0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--
08/30/06	15.17	6.02	0.00	9.15	-0.95	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	--
11/22/06	15.17	6.37	0.00	8.80	-0.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	16	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through February 2009**  
**Former 76 Station 0843**

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>														
02/23/07	15.17	5.61	0.00	9.56	0.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
05/18/07	15.17	5.87	0.00	9.30	-0.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
08/10/07	15.17	7.49	0.00	7.68	-1.62	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/09/07	15.17	6.77	0.00	8.40	0.72	--	50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	39	
02/08/08	15.17	5.10	0.00	10.07	1.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
05/16/08	15.17	6.06	0.00	9.11	-0.96	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/15/08	15.17	6.91	0.00	8.26	-0.85	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.1	--	ND<0.50	
11/26/08	15.17	7.71	0.00	7.46	-0.80	--	55	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	11	
02/24/09	18.14	5.96	0.00	12.18	4.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.8	
<b>MW-5 (Screen Interval in feet: 5-20)</b>														
12/14/99	13.34	6.45	0.00	6.89	--	ND	--	ND	ND	ND	ND	3.5	3.8	
03/14/00	13.34	4.46	0.00	8.88	1.99	ND	--	ND	ND	ND	ND	ND	--	
05/31/00	13.34	5.18	0.00	8.16	-0.72	ND	--	ND	ND	ND	ND	ND	--	
08/29/00	13.34	5.46	0.00	7.88	-0.28	ND	--	ND	ND	ND	ND	ND	--	
12/01/00	13.34	5.95	0.00	7.39	-0.49	ND	--	ND	ND	ND	ND	ND	--	
03/17/01	13.34	5.36	0.00	7.98	0.59	ND	--	ND	ND	ND	ND	ND	--	
05/23/01	13.34	5.09	0.00	8.25	0.27	ND	--	ND	ND	ND	ND	ND	--	
09/24/01	13.34	5.58	0.00	7.76	-0.49	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
12/10/01	13.34	5.51	0.00	7.83	0.07	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
03/11/02	13.34	4.70	0.00	8.64	0.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
06/07/02	13.34	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
09/03/02	13.34	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
12/12/02	13.34	6.42	0.00	6.92	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through February 2009**  
**Former 76 Station 0843**

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>														
03/13/03	13.34	5.12	0.00	8.22	1.30	ND<50	--	ND<0.50	0.54	ND<0.50	ND<0.50	ND<2.0	--	
06/12/03	13.34	5.24	0.00	8.10	-0.12	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
09/12/03	13.34	5.53	0.00	7.81	-0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/31/03	13.34	5.11	0.00	8.23	0.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
02/12/04	13.34	5.02	0.00	8.32	0.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
06/07/04	13.34	5.35	0.00	7.99	-0.33	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	--	
09/17/04	13.34	6.10	0.00	7.24	-0.75	--	--	--	--	--	--	--	--	Sampled annually
12/11/04	13.34	5.53	0.00	7.81	0.57	--	--	--	--	--	--	--	--	Sampled annually
03/11/05	13.34	4.96	0.00	8.38	0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
05/17/05	13.34	5.04	0.00	8.30	-0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
07/27/05	13.34	5.31	0.00	8.03	-0.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/23/05	13.34	5.86	0.00	7.48	-0.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
02/24/06	13.34	5.08	0.00	8.26	0.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
05/30/06	13.34	5.01	0.00	8.33	0.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/30/06	13.34	5.65	0.00	7.69	-0.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/22/06	13.34	5.82	0.00	7.52	-0.17	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
02/23/07	13.34	4.47	0.00	8.87	1.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	0.53	--	ND<0.50	
05/18/07	13.34	5.51	0.00	7.83	-1.04	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
08/10/07	13.34	6.05	0.00	7.29	-0.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/09/07	13.34	6.10	0.00	7.24	-0.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
02/08/08	13.34	5.06	0.00	8.28	1.04	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
05/16/08	13.34	5.69	0.00	7.65	-0.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/15/08	13.34	6.35	0.00	6.99	-0.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through February 2009**  
**Former 76 Station 0843**

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>														
11/26/08	13.34	6.82	0.00	6.52	-0.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
02/24/09	16.45	5.10	0.00	11.35	4.83	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>MW-6 (Screen Interval in feet: 5-20)</b>														
12/14/99	14.08	6.64	0.00	7.44	--	ND	--	ND	ND	ND	ND	11000	18000	
03/14/00	14.08	4.72	0.00	9.36	1.92	ND	--	ND	ND	ND	ND	19000	21000	
05/31/00	14.08	5.28	0.00	8.80	-0.56	ND	--	ND	ND	ND	ND	13200	--	
08/29/00	14.08	5.39	0.00	8.69	-0.11	ND	--	ND	ND	ND	ND	270	400	
12/01/00	14.08	6.11	0.00	7.97	-0.72	ND	--	ND	ND	ND	ND	6330	3640	
03/17/01	14.08	6.02	0.00	8.06	0.09	18700	--	2950	989	1040	3000	10200	11500	
05/23/01	14.08	5.82	0.00	8.26	0.20	ND	--	ND	ND	ND	ND	4660	--	
09/24/01	14.08	6.59	0.00	7.49	-0.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	160	190	
12/10/01	14.08	6.50	0.00	7.58	0.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3200	2400	
03/11/02	14.08	4.81	0.00	9.27	1.69	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	92	120	
06/07/02	14.08	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
09/03/02	14.08	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
12/12/02	14.08	6.51	0.00	7.57	--	590	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1500	6200	
03/13/03	14.08	5.20	0.00	8.88	1.31	1600	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	4900	4100	
D 03/13/03	14.08	5.20	0.00	8.88	1.31	--	--	--	--	--	--	--	5100	
06/12/03	14.08	5.38	0.00	8.70	-0.18	1600	--	ND<10	ND<10	ND<10	ND<10	5200	3700	
09/12/03	14.08	6.29	0.00	7.79	-0.91	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	310	
12/31/03	14.08	5.38	0.00	8.70	0.91	3300	--	ND<25	ND<25	ND<25	ND<25	3800	--	
02/12/04	14.08	5.06	0.00	9.02	0.32	1100	--	ND<10	ND<10	ND<10	ND<10	1900	2800	
06/07/04	14.08	5.45	0.00	8.63	-0.39	2500	--	ND<3	ND<3	ND<3	ND<6	3200	2900	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through February 2009**  
**Former 76 Station 0843**

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>														
09/17/04	14.08	6.20	0.00	7.88	-0.75	--	1300	ND<10	ND<10	ND<10	ND<20	--	2000	
12/11/04	14.08	5.60	0.00	8.48	0.60	--	1800	ND<10	ND<10	ND<10	ND<20	--	2700	
03/11/05	14.08	4.71	0.00	9.37	0.89	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	2500	
05/17/05	14.08	4.98	0.00	9.10	-0.27	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2200	
07/27/05	14.08	5.48	0.00	8.60	-0.50	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1100	
11/23/05	14.08	6.01	0.00	8.07	-0.53	--	590	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1700	
02/24/06	14.08	5.12	0.00	8.96	0.89	--	400	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	990	
05/30/06	14.08	5.04	0.00	9.04	0.08	--	ND<1200	ND<12	ND<12	ND<12	ND<25	--	560	
08/30/06	14.08	7.01	0.00	7.07	-1.97	--	930	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	820	
11/22/06	14.08	6.16	0.00	7.92	0.85	--	690	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	620	
02/23/07	14.08	5.44	0.00	8.64	0.72	--	190	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	410	
05/18/07	14.08	5.63	0.00	8.45	-0.19	--	390	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	620	
08/10/07	14.08	6.71	0.00	7.37	-1.08	--	390	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	660	
11/09/07	14.08	6.17	0.00	7.91	0.54	--	580	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	820	
02/08/08	14.08	5.20	0.00	8.88	0.97	--	360	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	570	
05/16/08	14.08	5.70	0.00	8.38	-0.50	--	200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	480	
08/15/08	14.08	6.46	0.00	7.62	-0.76	--	160	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	450	
11/26/08	14.08	7.01	0.00	7.07	-0.55	--	300	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	400	
02/24/09	16.97	5.20	0.00	11.77	4.70	--	250	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	450	

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**Former 76 Station 0843**

Date Sampled	Ethanol		Ethylene-	1,2-DCA		Carbon			Iron	Manganese	Manganese	Sulfate
	TBA (µg/l)	(8260B) (µg/l)	dibromide (EDB) (µg/l)	(EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	(organic, total) (mg/l)	Ferrous (µg/l)	(dissolved) (µg/l)	(total) (µg/l)	
<b>MW-1</b>												
09/02/99	ND	ND	--	--	ND	ND	ND	--	--	--	--	--
03/15/05	ND<5.0	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/24/06	62	ND<250	--	--	ND<0.50	ND<0.50	5.5	--	--	--	--	--
11/22/06	74	ND<250	--	--	ND<0.50	ND<0.50	0.51	--	--	--	--	--
02/23/07	ND<100	ND<2500	--	--	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--
05/18/07	ND<100	ND<2500	--	--	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--
08/10/07	ND<500	ND<12000	--	--	ND<25	ND<25	ND<25	--	--	--	--	--
11/09/07	ND<500	ND<12000	--	--	ND<25	ND<25	ND<25	--	--	--	--	--
02/08/08	ND<100	ND<2500	--	--	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--
05/16/08	ND<250	ND<6200	--	--	ND<12	ND<12	ND<12	--	--	--	--	--
08/15/08	ND<100	ND<2500	--	--	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--
11/26/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/24/09	ND<10	ND<250	--	--	ND<0.50	ND<0.50	2.5	1.3	ND<100	ND<1.0	500	18
<b>MW-2</b>												
09/02/99	ND	ND	--	--	ND	ND	ND	--	--	--	--	--
12/14/99	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
03/14/00	1300	ND	ND	ND	ND	ND	ND	--	--	--	--	--
05/31/00	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
08/29/00	250	ND	ND	ND	ND	ND	ND	--	--	--	--	--
12/01/00	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
03/17/01	ND	ND	ND	ND	14.8	ND	ND	--	--	--	--	--
05/23/01	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
09/24/01	ND<5000	ND<50000000	ND<100	ND<100	ND<100	ND<100	ND<100	--	--	--	--	--
12/10/01	ND<500	ND<12000000	ND<25	ND<25	ND<25	ND<25	ND<25	--	--	--	--	--
03/11/02	ND<1000	ND<5000000	ND<20	ND<20	ND<20	ND<20	ND<20	--	--	--	--	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**Former 76 Station 0843**

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)	Carbon (organic, total) (mg/l)	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Sulfate (mg/l)
<b>MW-2 continued</b>												
06/07/02	ND<1000	ND<2000000	ND<25	ND<25	ND<25	ND<25	ND<25	--	--	--	--	--
09/03/02	ND<1000	ND<5000000	ND<20	ND<20	ND<20	ND<20	ND<20	--	--	--	--	--
<b>MW-2a</b>												
12/12/02	ND<100	ND<500000	ND<2.0	2.3	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--
03/13/03	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--
06/12/03	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--
09/12/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--
12/31/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--
02/12/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--
06/07/04	ND<12	ND<800	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	--	--	--	--	--
09/17/04	6.7	ND<50	--	--	ND<1.0	ND<0.50	ND<0.50	--	--	--	--	--
12/11/04	ND<5.0	ND<50	--	--	ND<1.0	ND<0.50	ND<0.50	--	--	--	--	--
03/15/05	ND<5.0	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/17/05	ND<5.0	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
07/27/05	ND<5.0	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/23/05	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/24/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/30/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
08/30/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/22/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/23/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/18/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
08/10/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/09/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/08/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**Former 76 Station 0843**

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)	Carbon (organic, total) (mg/l)	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Sulfate (mg/l)
<b>MW-2A continued</b>												
05/16/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
08/15/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/26/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/24/09	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	17	110	ND<1.0	130	87
<b>MW-3</b>												
09/02/99	ND	ND	--	--	ND	ND	ND	--	--	--	--	--
03/11/05	ND<5.0	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/17/05	ND<5.0	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
07/27/05	ND<5.0	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/23/05	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/24/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/30/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
08/30/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/22/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/23/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/18/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
08/10/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/09/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/08/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/16/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
08/15/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/26/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/24/09	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	3.2	ND<100	ND<1.0	1100	130
<b>MW-4</b>												
09/02/99	ND	ND	--	--	ND	ND	ND	--	--	--	--	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**Former 76 Station 0843**

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)	Carbon (organic, total) (mg/l)	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Sulfate (mg/l)
<b>MW-4 continued</b>												
12/10/01	ND<290	ND<7100000	ND<14	ND<14	ND<14	ND<14	ND<14	--	--	--	--	--
12/12/02	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--
09/12/03	--	ND<500	--	--	--	--	--	--	--	--	--	--
09/17/04	ND<5.0	ND<50	--	--	ND<1.0	ND<0.50	ND<0.50	--	--	--	--	--
12/11/04	ND<25	ND<250	--	--	ND<5.0	ND<2.5	ND<2.5	--	--	--	--	--
03/11/05	ND<5.0	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/17/05	ND<5.0	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
07/27/05	ND<5.0	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/23/05	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/24/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/30/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
08/30/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/22/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/23/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/18/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
08/10/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/09/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/08/08	ND<10	290	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/16/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
08/15/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/26/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/24/09	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	1.7	ND<100	3.1	250	130
<b>MW-5</b>												
09/12/03	--	ND<500	--	--	--	--	--	--	--	--	--	--
03/11/05	ND<5.0	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**Former 76 Station 0843**

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)	Carbon (organic, total) (mg/l)	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Sulfate (mg/l)
<b>MW-5 continued</b>												
05/17/05	ND<5.0	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
07/27/05	ND<5.0	ND<50	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/23/05	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/24/06	59	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/30/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
08/30/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/22/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/23/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/18/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
08/10/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/09/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/08/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/16/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
08/15/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/26/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/24/09	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	4.5	ND<100	ND<1.0	720	64
<b>MW-6</b>												
03/17/01	ND	ND	ND	219	ND	ND	ND	--	--	--	--	--
09/24/01	ND<100	ND<1000000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--
12/10/01	ND<500	ND<12000000	ND<25	ND<25	ND<25	ND<25	ND<25	--	--	--	--	--
03/11/02	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--
12/12/02	ND<10000	ND<50000000	ND<200	ND<200	ND<200	ND<200	ND<200	--	--	--	--	--
03/13/03	ND<5000	ND<25000000	ND<100	ND<100	ND<100	ND<100	ND<100	--	--	--	--	--
06/12/03	ND<2000	ND<10000000	ND<40	ND<40	ND<40	ND<40	ND<40	--	--	--	--	--
09/12/03	--	ND<2500	--	--	--	--	--	--	--	--	--	--

**Table 2 a**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**Former 76 Station 0843**

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)	Carbon (organic, total) (mg/l)	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Sulfate (mg/l)
<b>MW-6 continued</b>												
02/12/04	ND<2000	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40	--	--	--	--	--
06/07/04	ND<200	ND<8000	ND<5	ND<5	ND<10	ND<10	ND<10	--	--	--	--	--
09/17/04	ND<100	ND<1000	--	--	ND<20	ND<10	ND<10	--	--	--	--	--
12/11/04	ND<100	ND<1000	--	--	ND<20	ND<10	ND<10	--	--	--	--	--
03/11/05	ND<100	ND<1000	--	--	ND<10	ND<10	ND<10	--	--	--	--	--
05/17/05	ND<100	ND<1000	--	--	ND<10	ND<10	ND<10	--	--	--	--	--
07/27/05	ND<100	ND<1000	--	--	ND<10	ND<10	ND<10	--	--	--	--	--
11/23/05	ND<10	ND<250	--	--	ND<0.50	ND<0.50	1.0	--	--	--	--	--
02/24/06	ND<10	ND<250	--	--	ND<0.50	ND<0.50	0.68	--	--	--	--	--
05/30/06	ND<250	ND<6200	--	--	ND<12	ND<12	ND<12	--	--	--	--	--
08/30/06	ND<100	ND<2500	--	--	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--
11/22/06	ND<100	ND<2500	--	--	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--
02/23/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/18/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
08/10/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/09/07	ND<10	ND<250	--	--	ND<0.50	ND<0.50	0.52	--	--	--	--	--
02/08/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
05/16/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
08/15/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/26/08	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
02/24/09	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	2.7	ND<100	1.2	2300	85

**Table 2 b**  
**ADDITIONAL HISTORIC ANALYTICAL RESULTS**  
**Former 76 Station 0843**

Date Sampled	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
<b>MW-1</b> 02/24/09	4.63	3.22	57	59
<b>MW-2A</b> 02/24/09	3.38	4.44	50	34
<b>MW-3</b> 02/24/09	5.01	2.30	46	49
<b>MW-4</b> 02/24/09	6.15	4.27	61	64
<b>MW-5</b> 02/24/09	5.65	2.58	27	34
<b>MW-6</b> 02/24/09	3.40	1.29	68	67

# COORDINATED EVENT DATA

**WELL CONCENTRATIONS**  
**Shell Service Station**  
**1601 Webster Street**  
**Alameda, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2- DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
---------	------	----------------	-------------	-------------	-------------	-------------	------------------------	----------------	----------------	----------------	---------------	-----------------------	---------------	-------------------	--------------	----------------------------	--------------------------	--------------------------	---------------------------

S-2	11/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.73	7.60	NA	12.13	NA
S-2	11/22/2005	996	0.630	0.500	0.500	3.10	406	<0.500	<0.500	0.570	18.0	NA	NA	NA	19.73	7.70	NA	12.03	NA
S-2	2/24/2006	<50 b	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	19.73	6.29	NA	13.44	NA
S-2	5/30/2006	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	NA	19.73	6.14	NA	13.59	NA
S-2	8/30/2006	420	<0.500	<0.500	<0.500	<0.500	4.42	<0.500	<0.500	<0.500	<10.0	NA	NA	NA	19.73	7.18	NA	12.55	NA
S-2	11/22/2006	110	<0.50	<0.50	<0.50	<1.0	62	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	19.73	7.55	NA	12.18	NA
S-2	2/23/2007	140	<0.50	<0.50	<0.50	<1.0	110	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	19.73	6.77	NA	12.96	NA
S-2	5/18/2007	<50 h	<0.50	<1.0	<1.0	<1.0	18	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.73	7.02	NA	12.71	NA
S-2	8/10/2007	<50 h	<0.50	<1.0	<1.0	<1.0	40	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.73	7.65	NA	12.08	NA
S-2	11/9/2007	130 h,i	<0.50	<1.0	<1.0	<1.0	190	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.73	7.87	NA	11.86	NA
S-2	2/8/2008	83 h,i	<1.0	<2.0	<2.0	<2.0	180	<4.0	<4.0	<4.0	<20	NA	NA	NA	19.73	6.52	NA	13.21	NA
S-2	5/16/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.73	7.30	NA	12.43	NA
S-2	8/15/2008	<50	<0.50	<1.0	<1.0	<1.0	7.1	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.73	8.38	NA	11.35	NA
S-2	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	32	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.73	9.13	NA	10.60	NA
S-2	2/27/2009	90	<0.50	<1.0	<1.0	<1.0	85	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.73	7.05	NA	12.68	NA

S-3	11/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.14	7.01	NA	12.13	NA
S-3	11/22/2005	3,900	<0.500	<0.500	<0.500	0.900	3,730	<0.500	<0.500	3.44	26.0	NA	NA	NA	19.14	7.15	NA	11.99	NA
S-3	2/24/2006	580 b	<0.50	<0.50	<0.50	<0.50	360	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	19.14	5.95	NA	13.19	NA
S-3	5/30/2006	<50.0	<0.500	<0.500	<0.500	0.510	52.2	<0.500	<0.500	<0.500	<10.0	NA	NA	NA	19.14	5.85	NA	13.29	NA
S-3	8/30/2006	2,910	<0.500	<0.500	<0.500	<0.500	882	<0.500	<0.500	<0.500	<10.0	NA	NA	NA	19.14	6.71	NA	12.43	NA
S-3	11/22/2006	240	<0.50	<0.50	<0.50	<1.0	150	<2.0	<2.0	<2.0	30	NA	NA	NA	19.14	7.05	NA	12.09	NA
S-3	2/23/2007	78	<0.50	<0.50	<0.50	<1.0	78	<2.0	<2.0	<2.0	5.4	NA	NA	NA	19.14	6.30	NA	12.84	NA
S-3	5/18/2007	120 h,i	<0.50	<1.0	<1.0	<1.0	150	<2.0	<2.0	<2.0	73	NA	NA	NA	19.14	6.58	NA	12.56	NA
S-3	8/10/2007	<50 h	<1.0	<2.0	<2.0	<2.0	200	<4.0	<4.0	<4.0	21	NA	NA	NA	19.14	7.09	NA	12.05	NA
S-3	11/9/2007	69 h,i	<0.50	<1.0	<1.0	<1.0	100	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.14	7.28	NA	11.86	NA
S-3	2/8/2008	<50 h	<0.50	<1.0	<1.0	<1.0	8.5	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.14	6.06	NA	13.08	NA
S-3	5/16/2008	71	<0.50	<1.0	<1.0	<1.0	100	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.14	6.84	NA	12.30	NA
S-3	8/15/2008	<50	<0.50	<1.0	<1.0	<1.0	9.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.14	7.83	NA	11.31	NA
S-3	11/26/2008	<50	0.53	<1.0	<1.0	1.5	12	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.14	8.70	NA	10.44	NA
S-3	2/27/2008	<50	<0.50	<1.0	<1.0	<1.0	3.2	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.14	6.97	NA	12.17	NA

S-4	11/14/2005	NA	18.16	6.00	NA	12.16	NA												
-----	------------	----	----	----	----	----	----	----	----	----	----	----	----	----	-------	------	----	-------	----

**WELL CONCENTRATIONS**  
**Shell Service Station**  
**1601 Webster Street**  
**Alameda, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2- DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-4	11/22/2005	4,570	<0.500	<0.500	<0.500	0.660	3,450	<0.500	<0.500	3.57	26.0	NA	NA	NA	18.16	6.10	NA	12.06	NA
S-4	2/24/2006	2,200 b	<0.50	<0.50	<0.50	<0.50	1,400	<0.50	<0.50	1.4	13 c	NA	NA	NA	18.16	5.09	NA	13.07	NA
S-4	5/30/2006	1,100	<0.500	<0.500	<0.500	<0.500	1,060	<0.500	<0.500	1.04	87.5	NA	NA	NA	18.16	5.00	NA	13.16	NA
S-4	8/30/2006	3,170	<0.500	<0.500	<0.500	<0.500	1,000	<0.500	<0.500	0.850	120	NA	NA	NA	18.16	5.81	NA	12.35	NA
S-4	11/22/2006	520	<0.50	<0.50	<0.50	<1.0	480	<2.0	<2.0	<2.0	5.2	NA	NA	NA	18.16	5.93	NA	12.23	NA
S-4	2/23/2007	180	<0.50	<0.50	<0.50	<1.0	130	<2.0	<2.0	<2.0	9.6	NA	NA	NA	18.16	5.40	NA	12.76	NA
S-4	5/18/2007	220 h,i	<2.5	<5.0	<5.0	2.5 j	420	<10	<10	<10	<50	NA	NA	NA	18.16	5.62	NA	12.54	NA
S-4	8/10/2007	98 h,i	<2.5	<5.0	<5.0	<5.0	540	<10	<10	<10	29 j	NA	NA	NA	18.16	6.00	NA	12.16	NA
S-4	11/9/2007	190 h,i	<2.5	<5.0	<5.0	<5.0	350	<10	<10	<10	<50	NA	NA	NA	18.16	6.20	NA	11.96	NA
S-4	2/8/2008	<50 h	<0.50	<1.0	<1.0	<1.0	13	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.16	5.47	NA	12.69	NA
S-4	5/16/2008	87	<0.50	<1.0	<1.0	<1.0	120	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.16	6.00	NA	12.16	NA
S-4	8/15/2008	<50	<0.50	<1.0	<1.0	<1.0	42	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.16	6.85	NA	11.31	NA
S-4	11/26/2008	140	<0.50	<1.0	<1.0	<1.0	140	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.16	7.62	NA	10.54	NA
S-4	2/27/2009	56	<0.50	<1.0	<1.0	<1.0	43	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.16	5.35	NA	12.81	NA
S-4B	8/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.78	6.14	NA	12.64	NA
S-4B	8/30/2006	3,630	<0.500	<0.500	5.32	<0.500	1,130	<0.500	<0.500	1.47	643	NA	NA	NA	18.78	6.32	NA	12.46	NA
S-4B	11/22/2006	620	<0.50	<0.50	0.66	<1.0	580	<2.0	<2.0	<2.0	680	NA	NA	NA	18.78	6.46	NA	12.32	NA
S-4B	2/23/2007	230	<1.0	<1.0	<1.0	<2.0	190	<4.0	<4.0	<4.0	450	NA	NA	NA	18.78	6.64	NA	12.14	NA
S-4B	5/18/2007	200 h	<0.50	<1.0	<1.0	<1.0	130	<2.0	<2.0	<2.0	360	NA	NA	NA	18.78	6.19	NA	12.59	NA
S-4B	8/10/2007	150 h	0.47 j	<1.0	<1.0	<1.0	67	<2.0	<2.0	<2.0	230	NA	NA	NA	18.78	6.48	NA	12.30	NA
S-4B	11/9/2007	<50 h	<0.50	<1.0	<1.0	<1.0	32	<2.0	<2.0	<2.0	67	NA	NA	NA	18.78	6.59	NA	12.19	NA
S-4B	2/8/2008	<50 h	<0.50	<1.0	<1.0	<1.0	5.3	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.78	6.12	NA	12.66	NA
S-4B	5/16/2008	<50	<0.50	<1.0	<1.0	<1.0	2.2	<2.0	<2.0	<2.0	15	NA	NA	NA	18.78	6.45	NA	12.33	NA
S-4B	8/15/2008	<50	<0.50	<1.0	<1.0	<1.0	1.4	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.78	6.90	NA	11.88	NA
S-4B	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	2.5	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.78	8.19	NA	10.59	NA
S-4B	2/27/2009	<50	<0.50	<1.0	<1.0	<1.0	1.4	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.78	6.03	NA	12.75	NA
S-5	11/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.68	6.33	NA	12.35	NA
S-5	11/22/2005	1,010	0.900	<0.500	1.79	4.91	302	<0.500	<0.500	<0.500	397	NA	NA	NA	18.68	6.44	NA	12.24	NA
S-5	2/24/2006	<50 b	<0.50	<0.50	<0.50	<0.50	19	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	18.68	5.44	NA	13.24	NA
S-5	5/30/2006	2,000	4.13	0.670	<0.500	3.28	143	<0.500	<0.500	<0.500	<10.0	NA	NA	NA	18.68	5.33	NA	13.35	NA
S-5	8/30/2006	1,380	<0.500	<0.500	i.43	<0.500	211	<0.500	<0.500	<0.500	106	NA	NA	NA	18.68	6.16	NA	12.52	NA

**WELL CONCENTRATIONS**  
**Shell Service Station**  
**1601 Webster Street**  
**Alameda, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2- DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-5	11/22/2006	82	<0.50	<0.50	<0.50	<1.0	28	<2.0	<2.0	<2.0	13	NA	NA	NA	18.68	6.28	NA	12.40	NA
S-5	2/23/2007	<50	<0.50	<0.50	<0.50	<1.0	1.2	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	18.68	5.68	NA	13.00	NA
S-5	5/18/2007	<50 h,i	<0.50	<1.0	<1.0	<1.0	2.6	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.68	5.91	NA	12.77	NA
S-5	8/10/2007	<50 h	<0.50	<1.0	<1.0	<1.0	1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.68	6.36	NA	12.32	NA
S-5	11/9/2007	<50 h	<0.50	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.68	6.47	NA	12.21	NA
S-5	2/8/2008	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.68	5.52	NA	13.16	NA
S-5	5/16/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.68	6.22	NA	12.46	NA
S-5	8/15/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.68	7.26	NA	11.42	NA
S-5	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.68	8.03	NA	10.65	NA
S-5	2/27/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	18.68	5.83	NA	12.85	NA

S-6	11/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.32	6.36	NA	12.96	NA
S-6	11/22/2005	15,800	5.14	0.690	32.1	934	<0.500	<0.500	<0.500	<0.500	14.2	NA	NA	NA	19.32	6.53	NA	12.79	NA
S-6	1/19/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.32	5.50	NA	13.82	NA
S-6	2/24/2006	7,900 b	4.4	<1.5	260	380	<1.5	<1.5	<1.5	<1.5	<7.0	NA	NA	NA	19.32	5.76	NA	13.56	NA
S-6	5/30/2006	4,170	4.98	<0.500	76.6	44.2	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	NA	19.32	5.68	NA	13.64	NA
S-6	8/30/2006	16,400	10.7	<0.500	353	292	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	NA	19.32	6.38	NA	12.94	NA
S-6	11/22/2006	6,900	7.7	<2.5	250	450	<2.5	<10	<10	<10	<25	NA	NA	NA	19.32	6.62	NA	12.70	NA
S-6	2/23/2007	7,900	4.4	<2.5	400	940	<2.5	<10	<10	<10	<25	NA	NA	NA	19.32	6.06	NA	13.26	NA
S-6	5/18/2007	2,600 h	3.1	<1.0	85	147.3	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.32	6.12	NA	13.20	NA
S-6	8/10/2007	3,100 h	3.5	0.28 j	110	202	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.32	6.60	NA	12.72	NA
S-6	11/9/2007	3,700 h	2.1	0.34 j	160	335	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.32	6.80	NA	12.52	NA
S-6	2/8/2008	2,600 h	2.7	<1.0	72	156.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.32	6.11	NA	13.21	NA
S-6	5/16/2008	350	<0.50	<1.0	8.4	5.3	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.32	6.60	NA	12.72	NA
S-6	8/15/2008	3,600	0.99	<1.0	100	164.9	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.32	7.70	NA	11.62	NA
S-6	11/26/2008	1,500	2.9	<1.0	13	3.1	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.32	8.41	NA	10.91	NA
S-6	2/27/2009	2,800	4.3	<1.0	17	23	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.32	6.22	NA	13.10	NA

S-7	11/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.44	6.76	NA	12.68	NA
S-7	11/22/2005	51,100	2,680	2,980	969	6,360	1.49	<0.500	<0.500	<0.500	53.3	NA	NA	NA	19.44	6.88	NA	12.56	NA
S-7	2/24/2006	22,000 b/25,000 d	1,700	1,200	1,200	2,800	<2.5	<2.5	<2.5	<2.5	58	NA	NA	NA	19.44	5.73	NA	13.71	NA
S-7	5/30/2006	35,600	1,720	641	1,600	3,630	2.83	<0.500	<0.500	<0.500	<10.0	NA	NA	NA	19.44	5.61	NA	13.83	NA
S-7	8/30/2006	83,900	5,060	62.5	1,640	4,010	2.38	<0.500	<0.500	<0.500	43.4	NA	NA	NA	19.44	6.43	NA	13.01	NA

**WELL CONCENTRATIONS**  
**Shell Service Station**  
**1601 Webster Street**  
**Alameda, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2- DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-7	11/22/2006	13,000	4,300	27	710	1,900	<2.5	<10	<10	<10	54	NA	NA	NA	19.44	6.68	NA	12.76	NA
S-7	2/23/2007	15,000	2,000	43	1,100	3,300	<12	<50	<50	<50	<120	NA	NA	NA	19.44	5.82	NA	13.62	NA
S-7	5/18/2007	6,100 h	3,900	22 j	520	2,010	<50	<100	<100	<100	<500	NA	NA	NA	19.44	6.20	NA	13.24	NA
S-7	8/10/2007	14,000 h	4,900	19 j	670	2,046 j	<50	<100	<100	<100	<500	NA	NA	NA	19.44	6.74	NA	12.70	NA
S-7	11/9/2007	16,000 h	4,400	21 j	550	2,052	<50	<100	<100	<100	<500	NA	NA	NA	19.44	6.93	NA	12.51	NA
S-7	2/8/2008	2,400 h	160	<2.0	70	160	<2.0	<4.0	<4.0	<4.0	<20	NA	NA	NA	19.44	6.23	NA	13.21	NA
S-7	5/16/2008	6,200	1,200	21	320	736.9	<2.0	<4.0	<4.0	<4.0	<20	NA	NA	NA	19.44	6.62	NA	12.82	NA
S-7	8/15/2008	15,000	4,500	19	450	1,300	<10	<20	<20	<20	<100	NA	NA	NA	19.44	7.81	NA	11.63	NA
S-7	11/26/2008	9,300	3,200	<25	77	250	<25	<50	<50	<50	<250	NA	NA	NA	19.44	8.53	NA	10.91	NA
S-7	2/27/2009	3,900	900	<25	49	160	<25	<50	<50	<50	<250	NA	NA	NA	19.44	6.27	NA	13.17	NA

S-8	8/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.11	7.02	NA	13.09	NA
S-8	8/30/2006	90,600	5,150	28.2	3,230	4,450	4.30	<0.500	<0.500	<0.500	<10.0	NA	NA	NA	20.11	7.19	NA	12.92	NA
S-8	11/22/2006	41,000	4,900	58	3,300	7,200	2.6	<10	<10	<10	<25	NA	NA	NA	20.11	7.48	NA	12.63	NA
S-8	2/23/2007	28,000	2,900	28	2,900	4,900	<25	<100	<100	<100	<250	NA	NA	NA	20.11	6.73	NA	13.38	NA
S-8	5/18/2007	24,000 h	4,400	33 j	3,800	4,470	<50	<100	<100	<100	<500	NA	NA	NA	20.11	6.98	NA	13.13	NA
S-8	8/10/2007	22,000 h	5,000	30 j	3,100	3,660	<50	<100	<100	<100	<500	NA	NA	NA	20.11	7.57	NA	12.54	NA
S-8	11/9/2007	22,000 h	4,600	24 j	3,000	2,770	<50	<100	<100	<100	<500	NA	NA	NA	20.11	7.80	NA	12.31	NA
S-8	2/8/2008	11,000 h	5,900	<50	410	310	<50	<100	<100	<100	<500	NA	NA	NA	20.11	6.55	NA	13.56	NA
S-8	5/16/2008	20,000	1,600	32	2,300	2,136	<20	<40	<40	<40	<200	NA	NA	NA	20.11	7.30	NA	12.81	NA
S-8	8/15/2008	26,000	2,400	20	4,900	2,432	<20	<40	<40	<40	<200	NA	NA	NA	20.11	8.60	NA	11.51	NA
S-8	11/26/2008	10,000	890	6.6	790	302	<5.0	<10	<10	<10	<50	NA	NA	NA	20.11	9.20	NA	10.91	NA
S-8	2/27/2009	770	30	<1.0	9.9	6.0	<1.0	<2.0	<2.0	<2.0	12	NA	NA	NA	20.11	7.04	NA	13.07	NA

S-9	8/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.60	6.93	NA	12.67	NA
S-9	8/30/2006	162,000	3,620	5,040	3,810	22,500	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	NA	19.60	6.52	NA	13.08	NA
S-9	11/22/2006	47,000	2,100	840	3,000	12,000	<2.5	<10	<10	<10	<25	NA	NA	NA	19.60	6.78	NA	12.82	NA
S-9	2/23/2007	18,000	890	120	1,800	3,600	<12	<50	<50	<50	<120	NA	NA	NA	19.60	6.13	NA	13.47	NA
S-9	5/18/2007	22,000 h	1,300	630	2,400	7,300	<50	<100	<100	<100	<500	NA	NA	NA	19.60	6.35	NA	13.25	NA
S-9	8/10/2007	36,000 h	2,600	920	4,200	14,900	<50	<100	<100	<100	<500	NA	NA	NA	19.60	6.86	NA	12.74	NA
S-9	11/9/2007	34,000 h	2,100	320	3,700	12,000	<50	<100	<100	<100	<500	NA	NA	NA	19.60	7.09	NA	12.51	NA
S-9	2/8/2008	7,400 h	410	51	1,100	1,620	<10	<20	<20	<20	<100	NA	NA	NA	19.60	6.00	NA	13.60	NA
S-9	5/16/2008	19,000	910	230	1,600	4,200	<10	<20	<20	<20	<100	NA	NA	NA	19.60	6.67	NA	12.93	NA

**WELL CONCENTRATIONS**  
**Shell Service Station**  
**1601 Webster Street**  
**Alameda, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2- DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-9	8/15/2008	65,000	2,600	540	5,200	19,000	<10	<20	<20	<20	<100	NA	NA	NA	19.60	7.93	NA	11.67	NA
S-9	11/26/2008	18,000	910	<100	2,000	3,340	<100	<200	<200	<200	<1,000	NA	NA	NA	19.60	8.60	NA	11.00	NA
S-9	2/27/2009	1,000	55	2.3	100	61	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	19.60	6.35	NA	13.25	NA
TBW-E	11/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.31	NA	NA	NA
TBW-E	12/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.01	NA	NA	NA
TBW-E	12/7/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.32	NA	NA	NA
TBW-E	12/15/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.55	NA	NA	NA
TBW-E	12/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.95	NA	NA	NA
TBW-E	12/27/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.47	NA	NA	NA
TBW-N	11/23/2004	83,000	640	27,000	1,700	20,000	2,300	<400	<400	<400	1,300	<100	<100	<10,000	NA	5.64	NA	NA	NA
TBW-N	12/1/2004	160,000	700	31,000	2,300	24,000	2,900	<400	<400	<400	1,200	<100	<100	<10,000	NA	6.35	NA	NA	NA
TBW-N	12/7/2004	130,000	590	29,000	2,300	24,000	2,700	<400	<400	<400	1,300	<100	<100	<10,000	NA	5.65	NA	NA	NA
TBW-N	12/15/2004	120,000	420	26,000	2,000	22,000	3,300	<400	<400	<400	<1,000	<100	<100	<10,000	NA	5.85	NA	NA	NA
TBW-N	12/23/2004	100,000	220	23,000	1,900	20,000	1,900	<400	<400	<400	<1,000	<100	<100	<10,000	NA	5.30	NA	NA	NA
TBW-N	12/27/2004	110,000	470	26,000	2,300	22,000	1,800	<400	<400	<400	<1,000	<100	<100	<10,000	NA	7.80	NA	NA	NA
TBW-N	1/17/2005	86,000	330	22,000	2,200	21,000	1,600	<400	<400	<400	1,600	<100	<100	<10,000	NA	6.59	NA	NA	NA
TBW-N	2/4/2005	97,000	290	23,000	1,800	20,000	1,900	<400	<400	<400	<1,000	<100	<100	<10,000	NA	4.50	NA	NA	NA
TBW-N	3/2/2005	94,000	360	24,000	2,000	19,000	1,200	<400	<400	<400	<1,000	<100	<100	<10,000	NA	4.11	NA	NA	NA
TBW-N	4/12/2005	27,000	130	9,300	1,100	8,700	1,400	<100	<100	<20	390	<25	<25	<2,500	NA	4.08	NA	NA	NA
TBW-N	5/13/2005	42,000	130	8,700	1,500	12,000	1,400	<100	<100	<100	440	<25	<25	<2,500	NA	4.45	NA	NA	NA
TBW-N	6/10/2005	46,000	63	5,500	1,300	11,000	500	<100	<100	<100	<250	<25	<25	<2,500	NA	4.97	NA	NA	NA
TBW-N	7/15/2005	48,000	88	8,400	1,300	9,500	660	<100	<100	<100	310	<25	<25	<2,500	NA	5.18	NA	NA	NA
TBW-N	08/17/2005 a	36,000	85	8,500	1,200	11,000	510	<200	<200	<200	<500	<50	<50	<5,000	18.08	5.28	NA	12.80	NA
TBW-N	9/15/2005	20,000	59	2,400	730	9,300	600	<40	<40	<40	500	NA	NA	<1,000	18.08	5.92	NA	12.16	NA
TBW-N	10/17/2005	59,000	58	4,900	1,200	16,000	490	<100	<100	<100	<250	<25	<25	<2,500	18.08	5.96	NA	12.12	NA
TBW-N	11/22/2005	105,000	41.3	8,750	1,550	18,300	443	<0.500	<0.500	<0.500	248	<0.500	<0.500	<50.0	18.08	5.82	NA	12.26	NA
TBW-N	12/9/2005	65,900	43.4	5,110	1,110	13,500	493	<0.500	<0.500	<0.500	259	<0.500	<0.500	<50.0	18.08	5.60	NA	12.48	NA
TBW-N	1/5/2006	80,100	33.8	4,910	1,620	19,400	410	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0	18.08	4.44	NA	13.64	NA
TBW-N	2/24/2006	56,000 b/60,000 d	15	2,700	1,000	12,000	270	<15	<15	<15	180	<15	<15	<150	18.08	4.67	NA	13.41	NA
TBW-N	3/8/2006	60,200	23.4	3,820	1,370	16,500	293	<0.500	<0.500	<0.500	93.8	<0.500	<0.500	<50.0	18.08	4.18	NA	13.90	NA
TBW-N	4/13/2006	73,000	21.8	2,900	1,220	14,600	277	<0.500	<0.500	<0.500	68.5	<0.500	<0.500	<500	18.08	3.49	NA	14.59	NA

**WELL CONCENTRATIONS**  
**Shell Service Station**  
**1601 Webster Street**  
**Alameda, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2- DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
TBW-N	5/30/2006	59,300	18.7	1,170	1,800	10,200	119 e	<0.500	<0.500	<0.500	<10.0	0.860	<0.500	<50.0	18.08	4.52	NA	13.56	NA
TBW-N	6/5/2006	83,700	16.0	1,510	2,090	11,400	146 e	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0	18.08	4.55	NA	13.53	NA
TBW-N	7/19/2006	80,100	16.4	632	1,550	13,900	85.7	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0	18.08	4.99	NA	13.09	NA
TBW-N	8/30/2006	52,700	18.2	747	1,900	13,400	82.9	<5.00	<5.00	<5.00	<100	<5.00	<5.00	<500	18.08	5.47	NA	12.61	NA
TBW-N	9/6/2006	77,500	21.3	1,100	1,650	11,800	116	<0.500	<0.500	<0.500	12.4	<0.500	<0.500	<50.0	18.08	5.39	NA	12.69	NA
TBW-N	10/13/2006	33,000	22	1,300	1,700	27,000	160	<20	<20	<20	<50	<5.0	<5.0	<500	18.08	5.57	NA	12.51	NA
TBW-N	11/22/2006	36,000	18	680	1,200	14,000	110	<20	<20	<20	<50	<5.0	<5.0	<500	18.08	5.65	NA	12.43	NA
TBW-N	12/12/2006	34,000	<25	330	1,400	11,000	89	<25	<25	<25	<1,000	<25	<25	<5,000	18.08	5.34	NA	12.74	NA
TBW-N	1/5/2007	26,000 g	16	450	1,400	13,000 f	96	<20	<20	<20	<50	<5.0	<5.0	<500	18.08	5.23	NA	12.85	NA
TBW-N	2/23/2007	41,000	<25	400	1,500	15,000	120	<100	<100	<100	<250	<25	<25	<2,500	18.08	4.96	NA	13.12	NA
TBW-N	3/8/2007	15,000	<25	320	1,300	15,000	110	<100	<100	<100	<250	<25	<25	<2,500	18.08	4.93	NA	13.15	NA
TBW-N	4/6/2007	24,000 h	15	360	1,100	12,300	130	<10	<10	<10	<50	<2.5	NA	<500	18.08	5.07	NA	13.01	NA
TBW-N	5/18/2007	30,000 h	15 j	140	1,100	9,960	100	<100	<100	<100	<50	<25	<50	<5,000	18.08	5.25	NA	12.83	NA
TBW-N	6/11/2007	26,000 h	15 j	160	1,300	9,150	120	<100	<100	<100	<500	<25	<50	<5,000	18.08	5.33	NA	12.75	NA
TBW-N	7/3/2007	36,000 h	9.3 j	150	990	8,400	130	<100	<100	<100	<500	<25	<50	<5,000	18.08	5.46	NA	12.62	NA
TBW-N	8/10/2007	24,000 h	14	200	1,200	5,240	120	<40	<40	<40	<200	<10	<20	<2,000	18.08	5.78	NA	12.30	NA
TBW-N	9/25/2007	28,000 h	15	560	1,400	7,600	<20	<40	<40	<40	160 j	<10	<20	<2,000	18.08	6.02	NA	12.06	NA
TBW-N	11/9/2007	42,000 h	18	610	1,700	14,500	140	<50	<50	<50	<250	<12	<25	<2,500	18.08	5.91	5.90	12.18	0.01
TBW-N	2/8/2008	36,000 h	<25	450	1,400	15,100	97	<100	<100	<100	<500	<25	<50	<5,000	18.08	4.79	NA	13.29	NA
TBW-N	5/16/2008	26,000	80	99	970	5,130	130	<100	<100	<100	<500	NA	NA	NA	18.08	5.50	NA	12.58	NA
TBW-N	8/15/2008	24,000	<25	1,300	1,300	2,400	90	<100	<100	<100	<500	<25	<50	<5,000	18.08	6.59	NA	11.49	NA
TBW-N	11/26/2008	24,000	<25	140	810	5,580	52	<100	<100	<100	<500	<25	<50	<5,000	18.08	7.40	NA	10.68	NA
TBW-N	2/27/2009	22,000	<25	110	520	5,000	<50	<100	<100	<100	<500	<25	<50	<5,000	18.08	5.86	NA	12.22	NA
TBW-S	11/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.18	NA	NA	NA
TBW-S	12/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.87	NA	NA	NA
TBW-S	12/7/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.15	NA	NA	NA
TBW-S	12/15/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.38	NA	NA	NA
TBW-S	12/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.81	NA	NA	NA
TBW-S	12/27/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.35	NA	NA	NA
TBW-W	11/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.14	NA	NA	NA
TBW-W	12/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.86	NA	NA	NA

**WELL CONCENTRATIONS**  
**Shell Service Station**  
**1601 Webster Street**  
**Alameda, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2- DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
TBW-W	12/7/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.13	NA	NA	NA
TBW-W	12/15/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.37	NA	NA	NA
TBW-W	12/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.79	NA	NA	NA
TBW-W	12/27/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.32	NA	NA	NA

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8260B.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol or tertiary butanol, analyzed by EPA Method 8260B

1,2-DCA = 1,2-Dichloroethane, analyzed by EPA Method 8260B

EDB = Ethylene Dibromide, analyzed by EPA Method 8260B

TOC = Top of Casing Elevation

SPH = Separate-phase hydrocarbon

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

**WELL CONCENTRATIONS**  
**Shell Service Station**  
**1601 Webster Street**  
**Alameda, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2- DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
---------	------	----------------	-------------	-------------	-------------	-------------	------------------------	----------------	----------------	----------------	---------------	-----------------------	---------------	-------------------	--------------	----------------------------	--------------------------	--------------------------	---------------------------

Notes:

a = Extracted out of holding time.

b = Result with a carbon range of C4-C12.

c = Result may be biased slightly high. See lab report case narrative.

d = Result with a carbon range of C6-C12.

e = Secondary ion abundances were outside method requirements. Identification based on analytical judgement.

f = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.

g = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below the acceptance limits. A low bias to sample results is indicated.

h = Analyzed by EPA Method 8015B (M).

i = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

j = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

Ethanol analyzed by EPA Method 8260B.

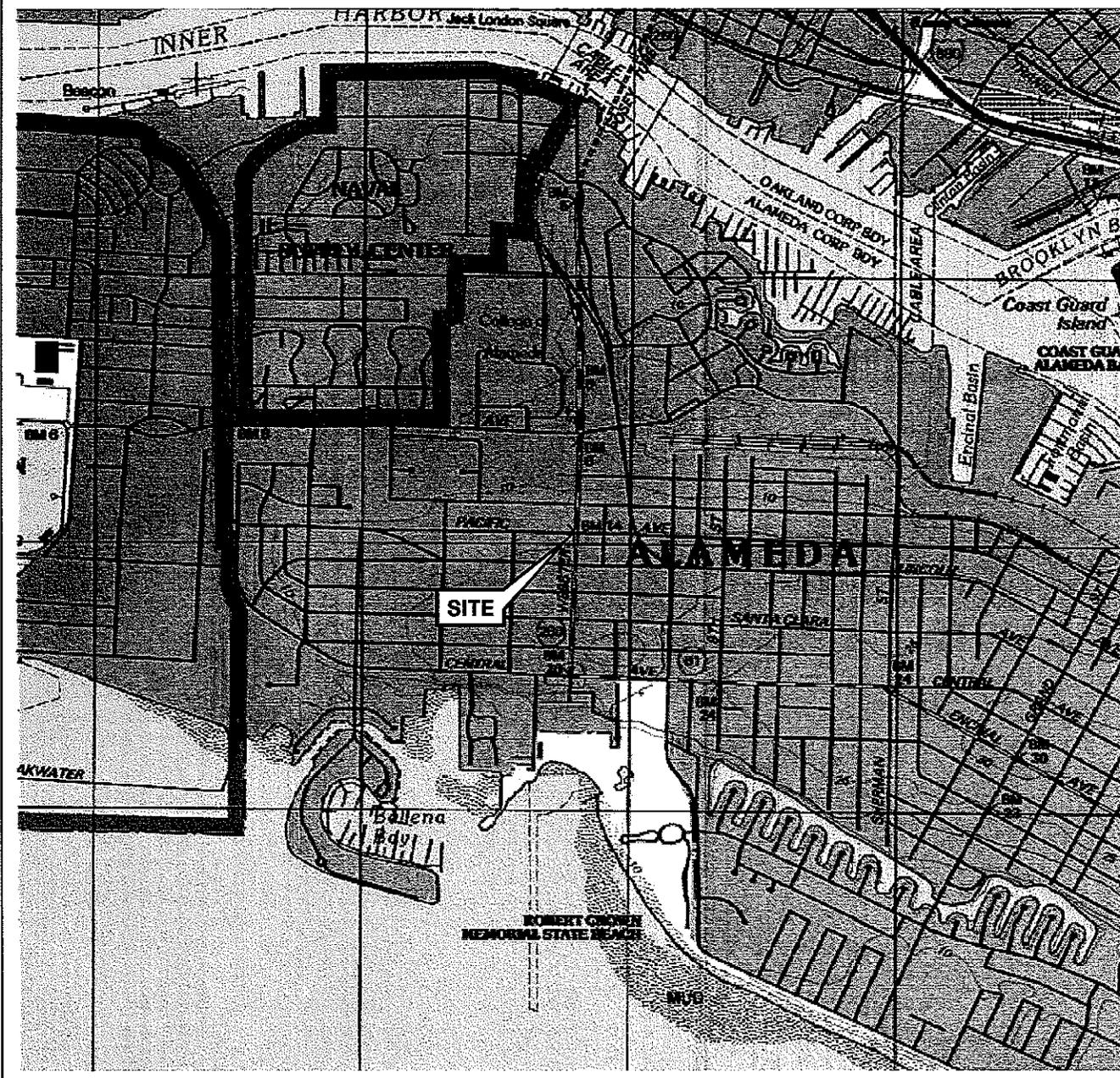
Well TBW-N surveyed September 1, 2005 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells S-2 through S-7 surveyed on November 30, 2005 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells S-4B and S-7 through S-9 surveyed on August 17, 2006 by Virgil Chavez Land Surveying of Vallejo, CA.

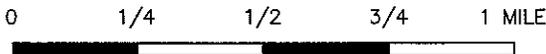
# FIGURES

PS=I:1 L:\OMS VICINITY MAP S\0843\VM.DWG Jan 19, 2009 - 2:26pm adkars



SOURCE:

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



SCALE 1:24,000



QUADRANGLE LOCATION



FACILITY:

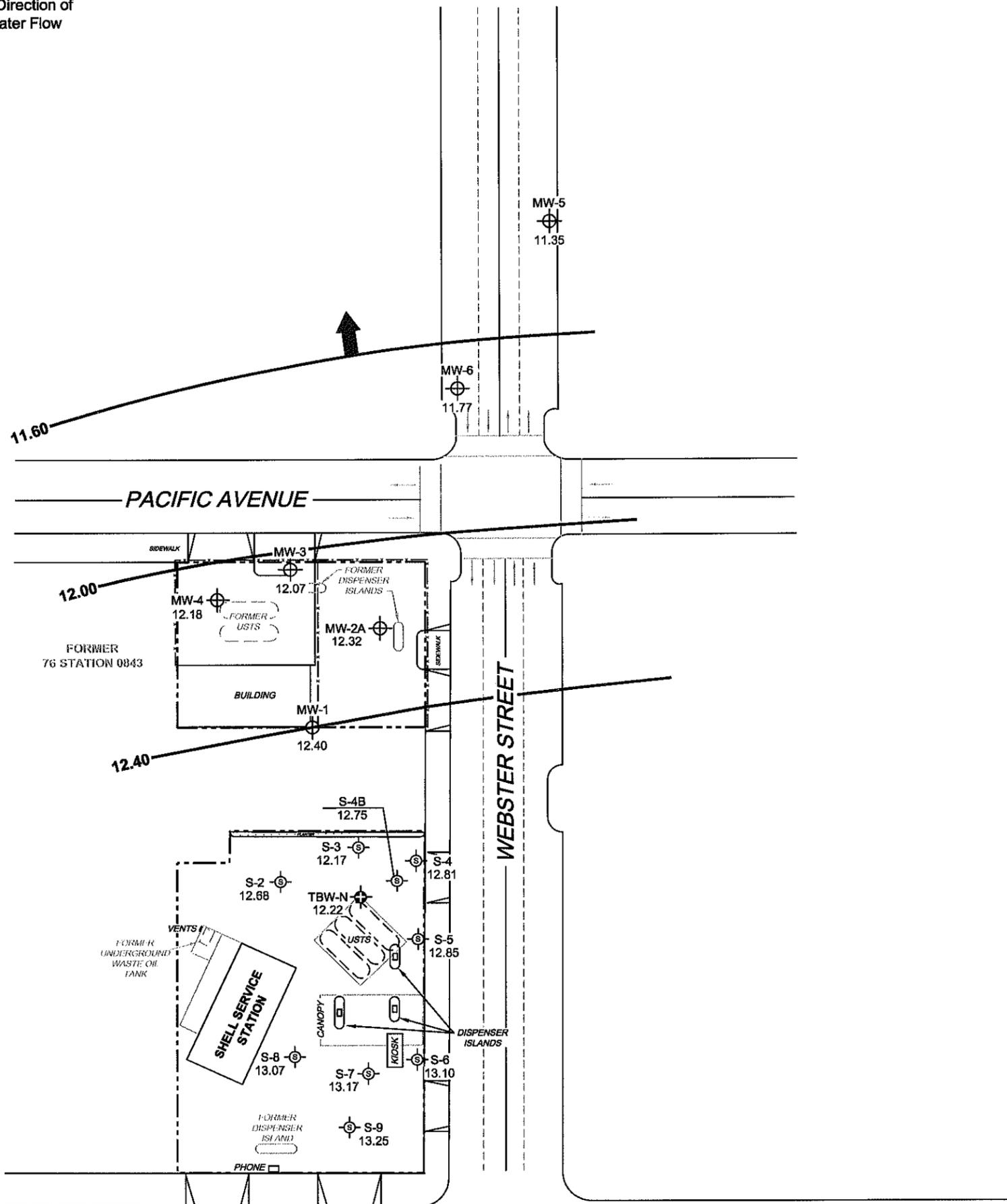
FORMER 76 STATION 0843  
1629 WEBSTER STREET  
ALAMEDA, CALIFORNIA

VICINITY MAP

FIGURE 1

**LEGEND**

- MW-6  Former 76 Monitoring Well with Groundwater Elevation (feet)
- S-9  Shell Service Station Monitoring Well
- TBW-N  Shell Tank Backfill Monitoring Well
- 12.40  Groundwater Elevation Contour
-  General Direction of Groundwater Flow



**NOTES:**

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank. Shell Service Station data provided by CRA; gauged on 2/27/2009; not included in groundwater contour interpretation.



PROJECT: 165521  
 FACILITY: FORMER 76 STATION 0843  
 1629 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

**GROUNDWATER ELEVATION  
 CONTOUR MAP**  
 February 24, 2009

**FIGURE 2**

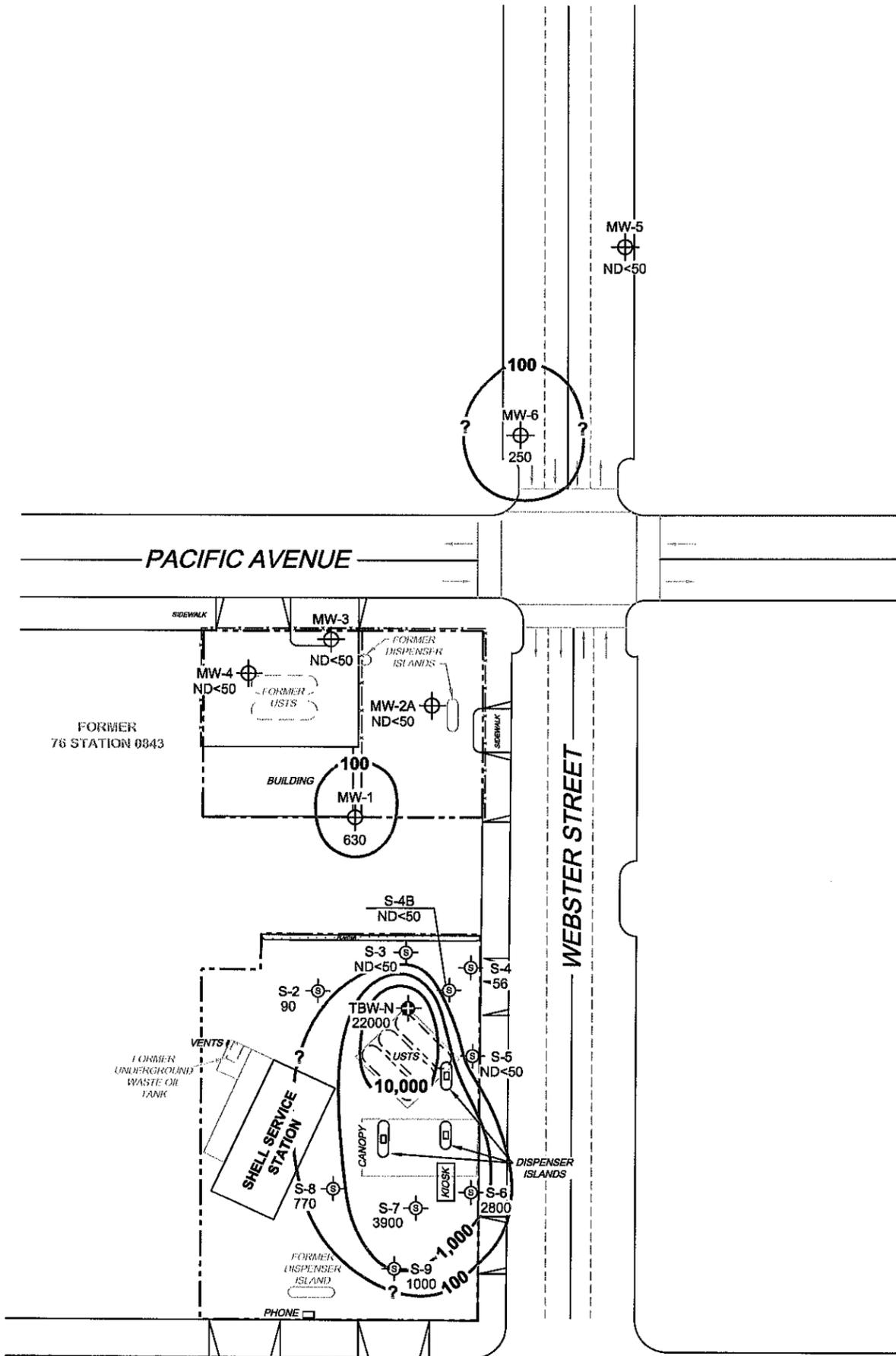
**LEGEND**

MW-6  Former 76 Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration (µg/l)

S-9  Shell Service Station Monitoring Well

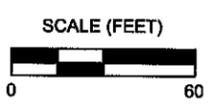
TBW-N  Shell Tank Backfill Monitoring Well

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



**NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.  
 TPH-G (GC/MS) = total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B.  
 µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.  
 UST = underground storage tank. Shell Service Station data provided by CRA; sampled on 2/27/2009.



PROJECT: 165521  
 FACILITY:  
 FORMER 76 STATION 0843  
 1629 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

**DISSOLVED-PHASE TPH-G (GC/MS)  
 CONCENTRATION MAP**  
 February 24, 2009

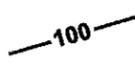
**FIGURE 3**

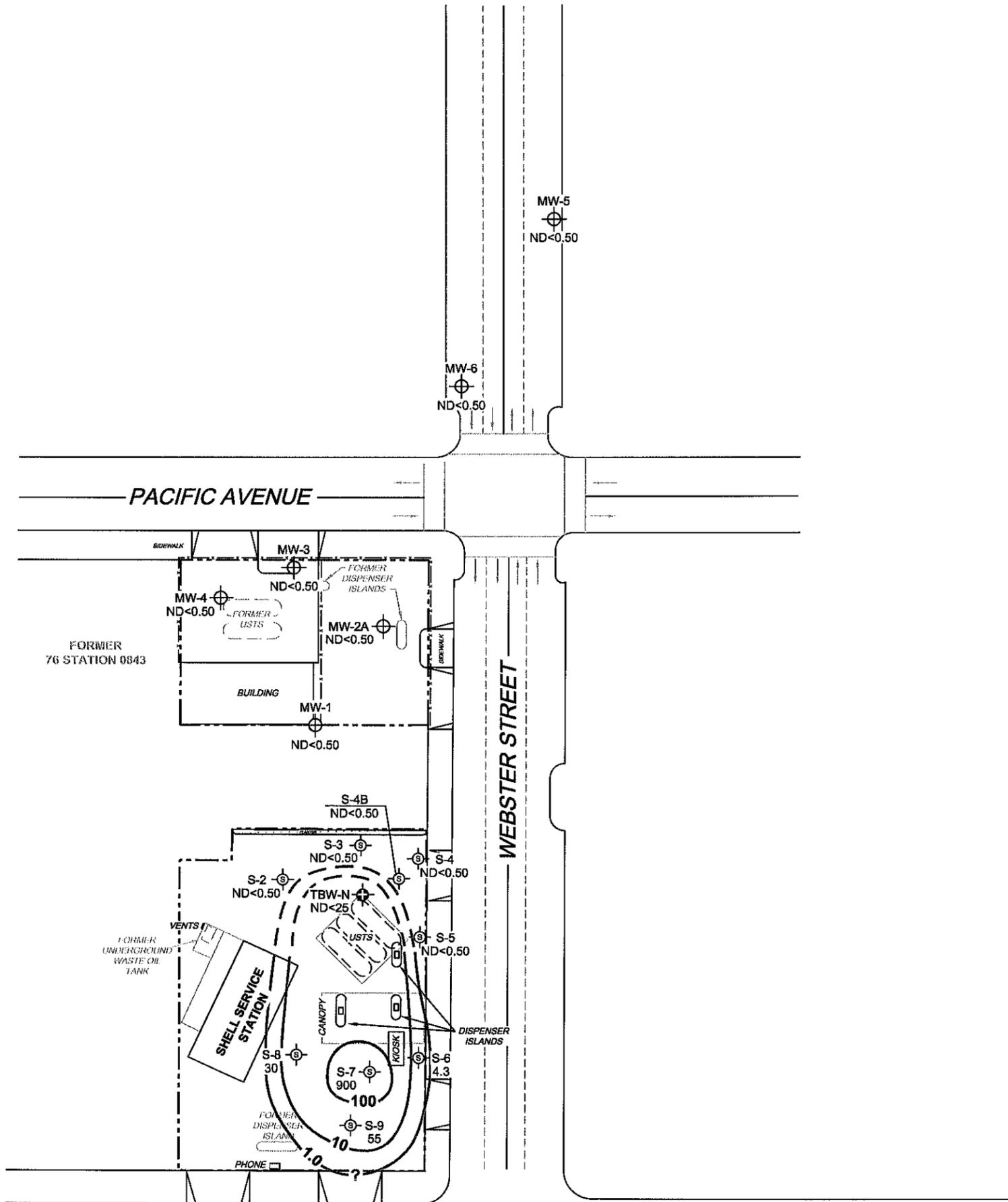
**LEGEND**

MW-6  Former 76 Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

S-9  Shell Service Station Monitoring Well

TBW-N  Shell Tank Backfill Monitoring Well

 100 Dissolved-Phase Benzene Contour (µg/l)



**NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. Dashes indicate contour based on non-detect at elevated detection limit. UST = underground storage tank. Shell Service Station data provided by CRA; sampled on 2/27/2009.



PROJECT: 165521  
 FACILITY:  
 FORMER 76 STATION 0843  
 1629 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

**DISSOLVED-PHASE BENZENE  
 CONCENTRATION MAP**  
 February 24, 2009

**FIGURE 4**

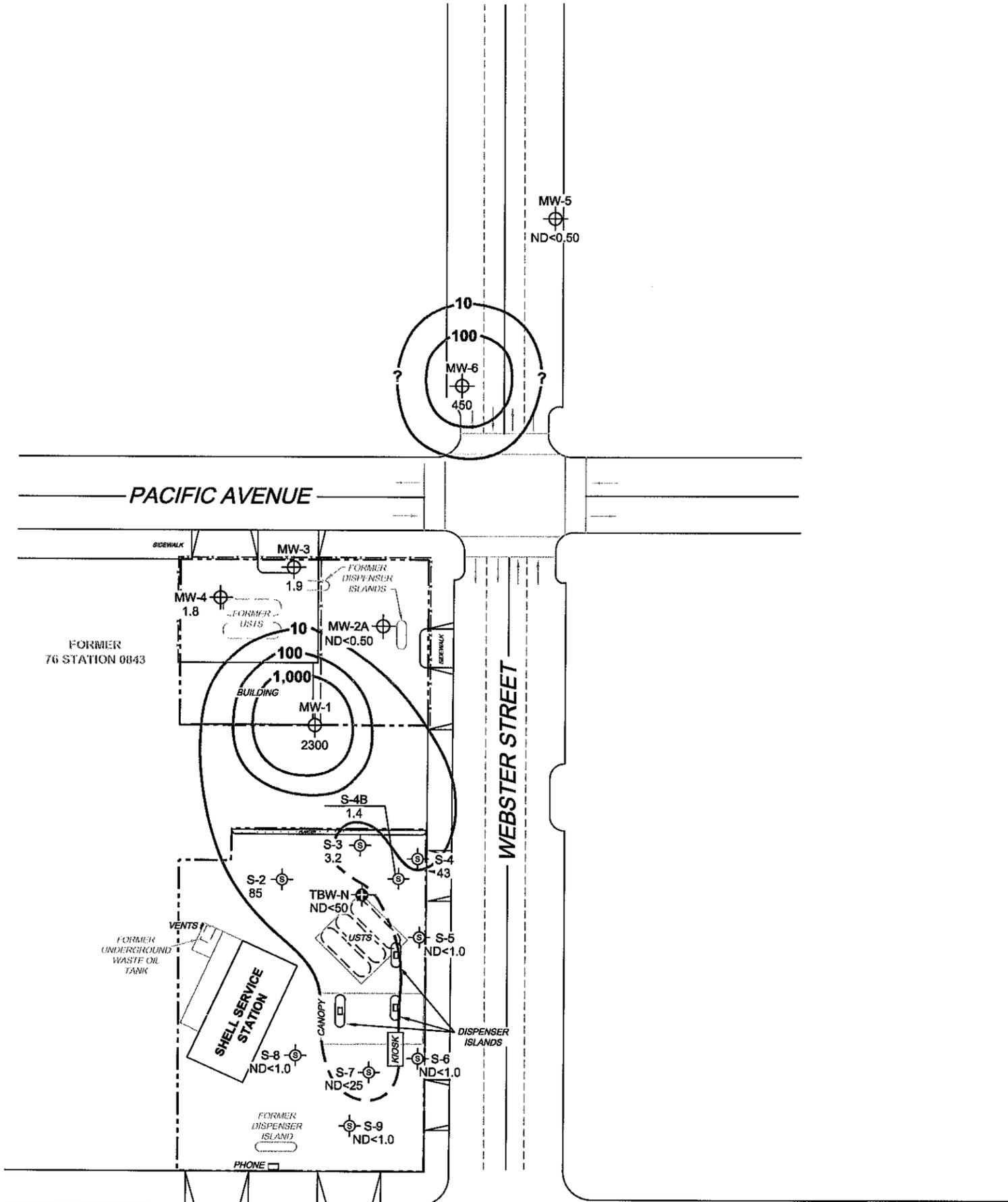
**LEGEND**

MW-6  Former 76 Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

S-9  Shell Service Station Monitoring Well

TBW-N  Shell Tank Backfill Monitoring Well

 1,000 Dissolved-Phase MTBE Contour (µg/l)



**NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. Dashes indicate contour based on non-detect at elevated detection limit. UST = underground storage tank. Shell Service Station data provided by CRA; sampled on 2/27/2009. Results obtained using EPA Method 8260B.

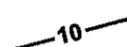


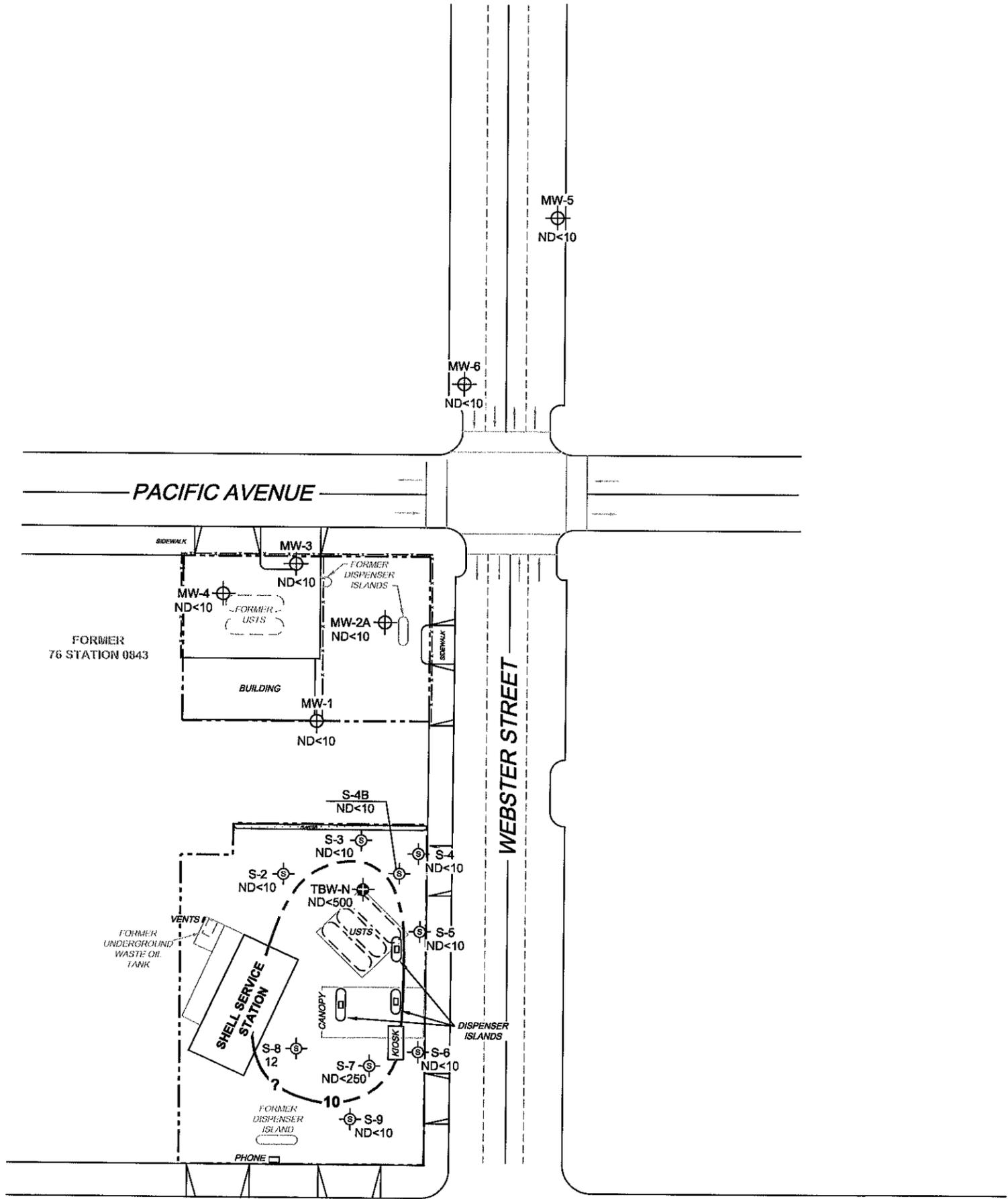
PROJECT: 165521  
 FACILITY:  
 FORMER 76 STATION 0843  
 1629 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

**DISSOLVED-PHASE MTBE  
 CONCENTRATION MAP**  
 February 24, 2009

**FIGURE 5**

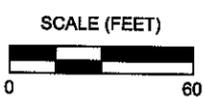
**LEGEND**

- MW-6  Former 76 Monitoring Well with Dissolved-Phase TBA Concentration ( $\mu\text{g/l}$ )
- S-9  Shell Service Station Monitoring Well
- TBW-N  Shell Tank Backfill Monitoring Well
-  Dissolved-Phase TBA Contour ( $\mu\text{g/l}$ )



**NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TBA = tertiary butyl alcohol.  $\mu\text{g/l}$  = micrograms per liter. ND = not detected at limit indicated on official laboratory report. Dashes indicate contour based on non-detect at elevated detection limit. UST = underground storage tank. Shell Service Station data provided by CRA; sampled on 2/27/2009. Results obtained using EPA Method 8260B.



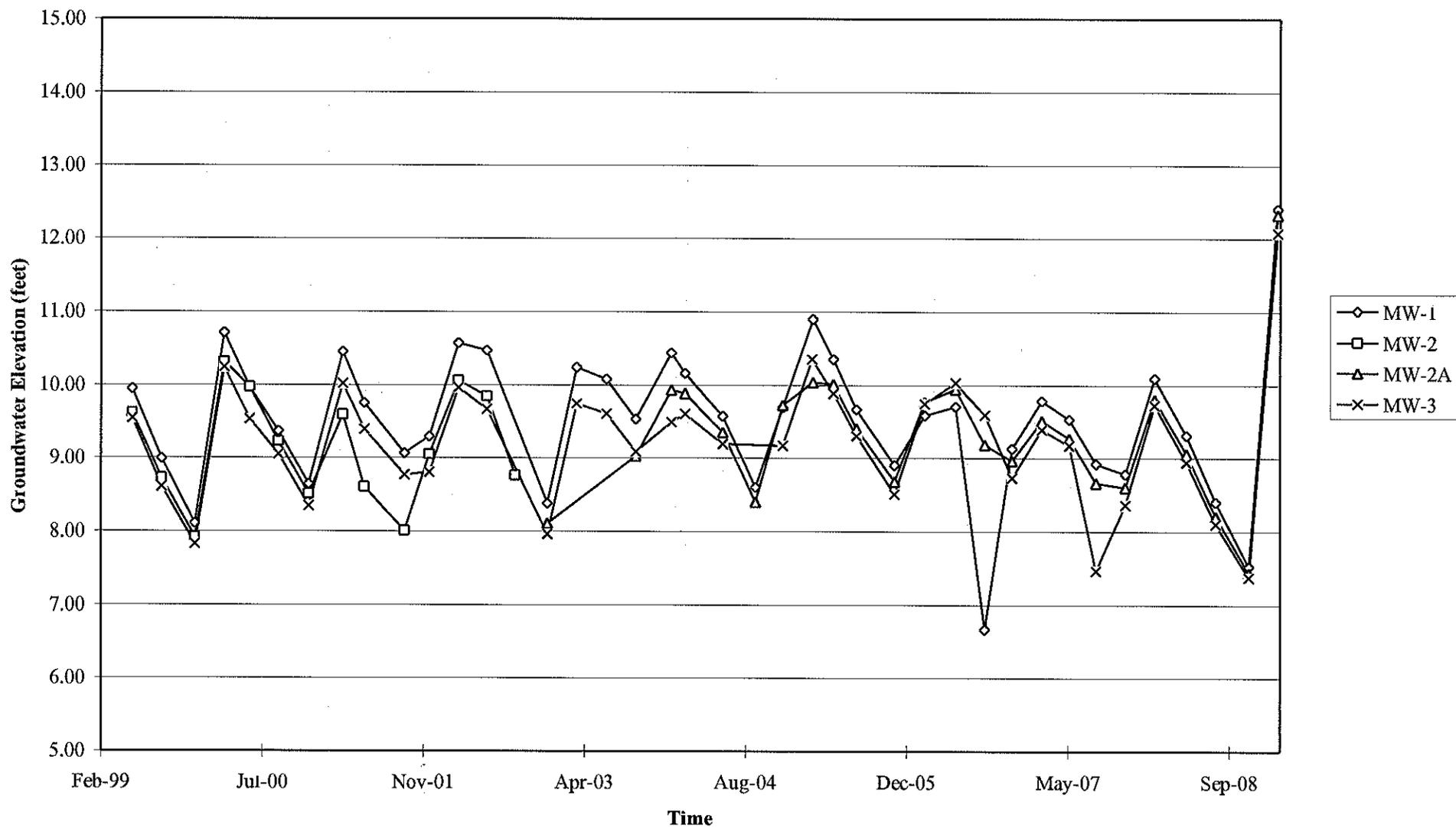
PROJECT: 165521  
 FACILITY:  
 FORMER 76 STATION 0843  
 1629 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

**DISSOLVED-PHASE TBA  
 CONCENTRATION MAP**  
 February 24, 2009

**FIGURE 6**

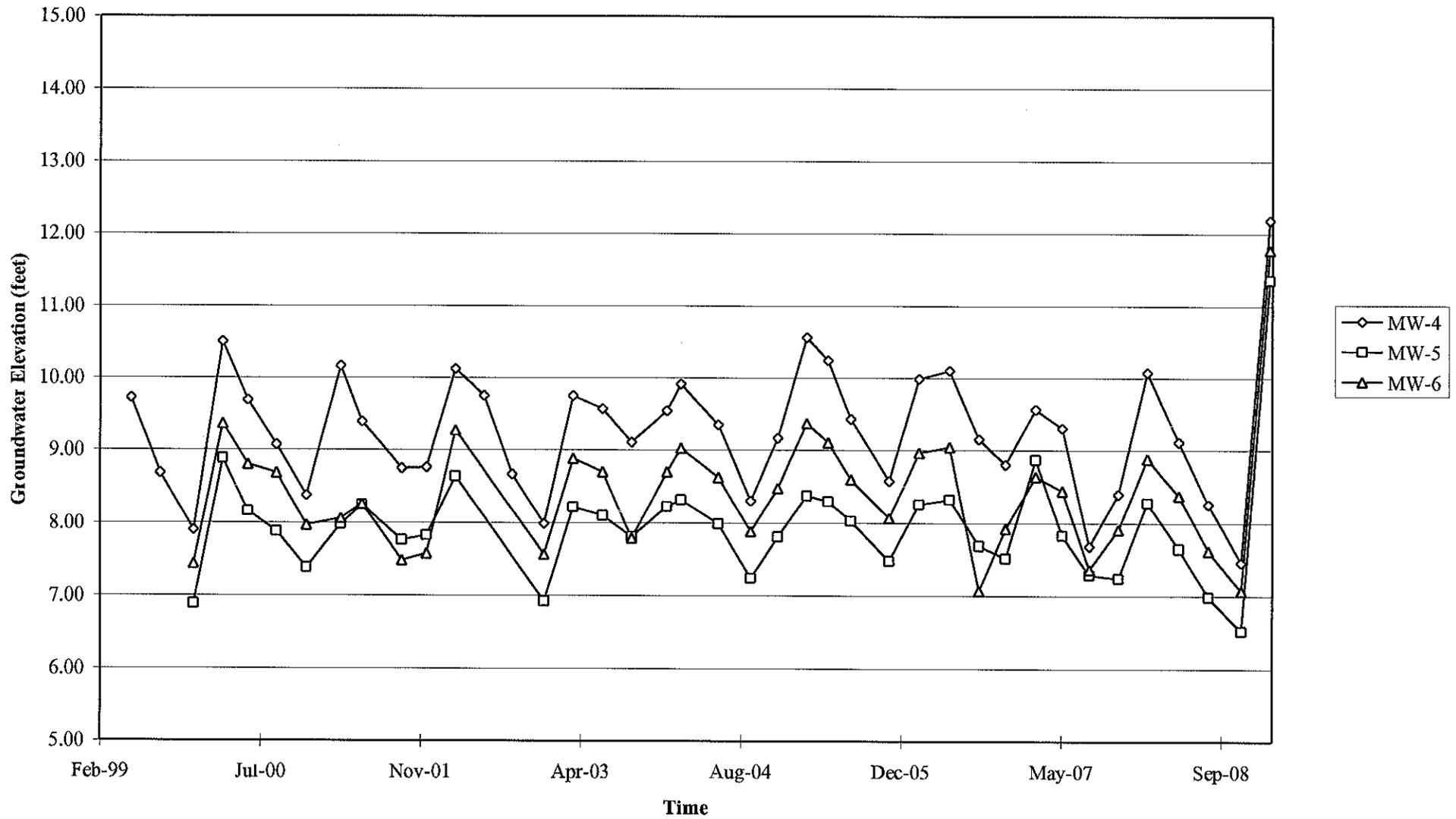
# GRAPHS

Groundwater Elevations vs. Time  
Former 76 Station 0843



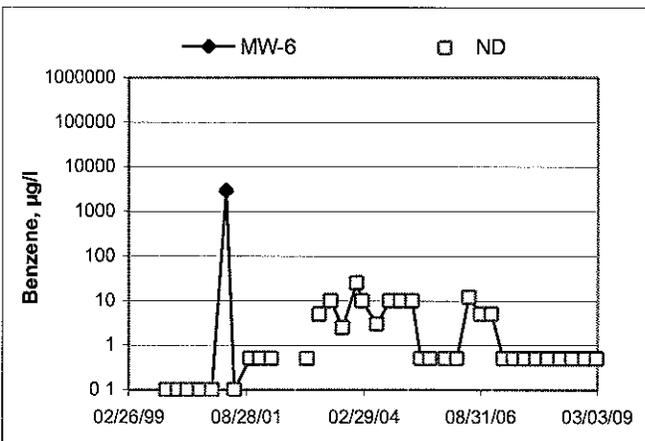
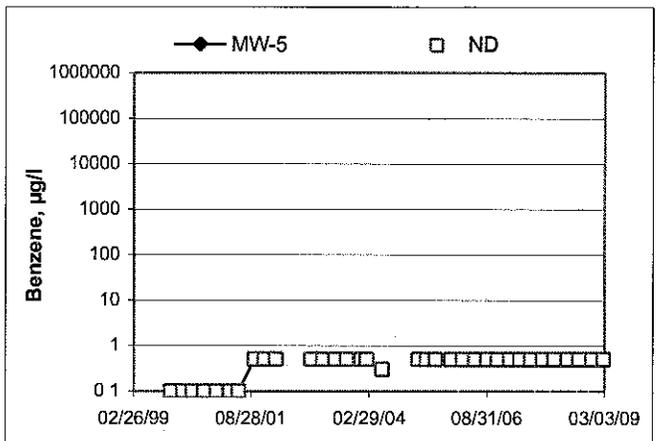
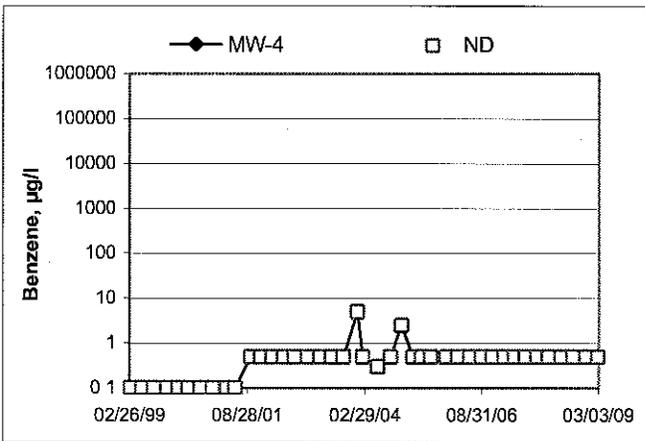
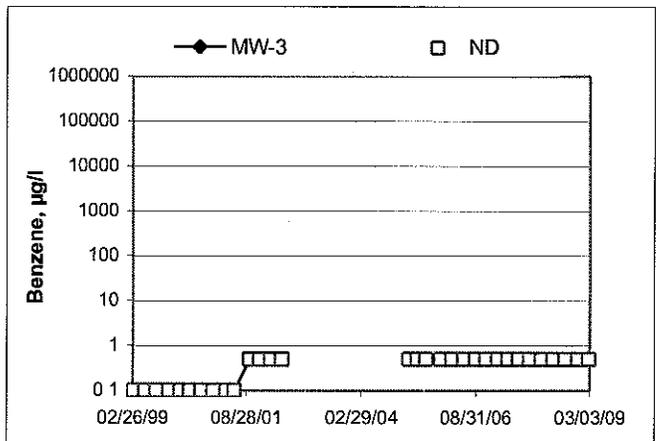
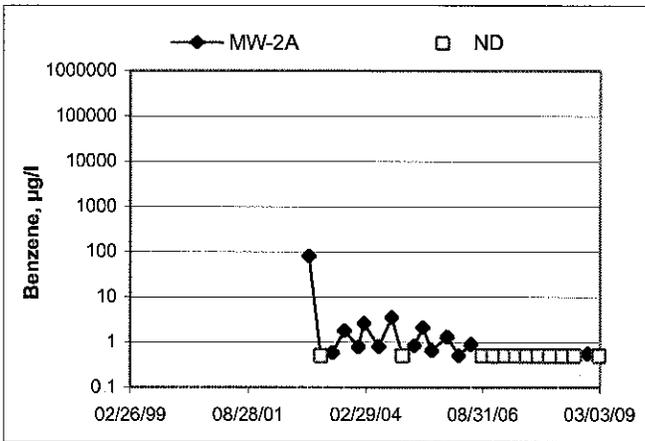
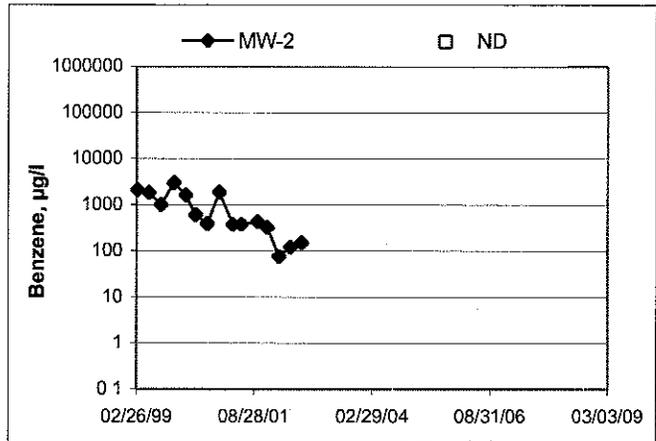
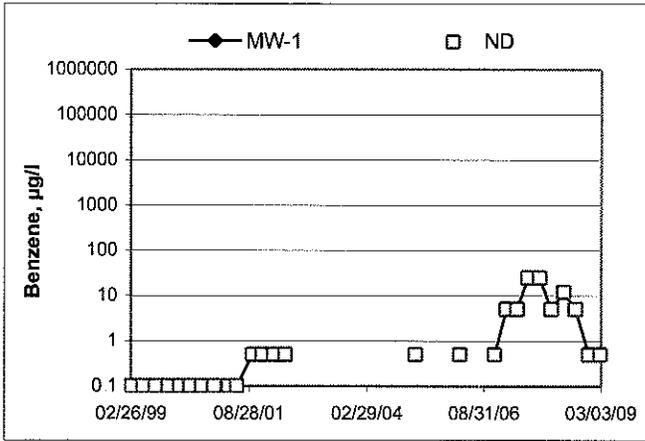
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time  
Former 76 Station 0843



Elevations may have been corrected for apparent changes due to resurvey

**Benzene Concentrations vs Time**  
Former 76 Station 0843



# GENERAL FIELD PROCEDURES

## **Groundwater Monitoring and Sampling Assignments**

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

## **Fluid Level Measurements**

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

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

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

## **Purging and Groundwater Parameter Measurement**

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

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

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

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

## **Groundwater Sample Collection**

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

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

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

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

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

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

## **Decontamination**

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

## **Exceptions**

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



## GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 0843

Project No: 165521

Date: 02-24-09

Well No. MW-5

Purge Method: DIA

Depth to Water (feet): 5.10

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

Total Depth (feet): 20.26

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

Water Column (feet): 15.16

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 8.13

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F)	pH	D.O. (mg/L)	ORP	Turbidity
<del>0622</del>	<del>Pre Purge</del>	—	3	—	—	—	2.58	27	—
0622			63	608.1	14.9	7.60			
			96	594.5	15.9	7.48			
	0624		9	598.6	17.0	7.50			
POST	Purge	—	—	—	—	—	5.65	34	—
Static at Time Sampled			Total Gallons Purged			Sample Time			
6.91			9			0636			

Comments: Gauged Purged & Sampled well before gauging other wells. Well had to be completed before 0700, IN wienerschnitzel drive thru. DRY AT 9 GALS.

Well No. MW-3

Purge Method: DIA

Depth to Water (feet): 5.98

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

Total Depth (feet): 19.90

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

Water Column (feet): 13.92

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 8.76

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F)	pH	D.O. (mg/L)	ORP	Turbidity
Pre	Purge	—	—	—	—	—	2.30	46	—
0809			3	733.0	14.4	7.76			
			6	717.0	16.9	7.61			
	0811		9	694.2	17.9	7.57			
POST	Purge	—	—	—	—	—	5.01	49	—
Static at Time Sampled			Total Gallons Purged			Sample Time			
8.76			9			0821			
Comments: Dry AT 9 Gals.									

## GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 0843

Project No: 165521

Date: 02-24-09

Well No. MW-4

Purge Method: SHB

Depth to Water (feet): 5.96

Depth to Product (feet):           

Total Depth (feet): 18.47

LPH & Water Recovered (gallons):           

Water Column (feet): 12.51

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 8.46

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. (mg/L)	ORP	Turbidity
Pre	Purge	—	—	—	—	—	4.27	61	—
0939			3	825.8	16.2	7.80			
			6	844.6	15.2	8.09			
	0944		9	841.7	15.2	8.16			
Post	Purge	—	—	—	—	—	6.15	64	—
Static at Time Sampled			Total Gallons Purged			Sample Time			
8.46			9			0858			
Comments: Dry AT 9 Gals.									

Well No. MW-6

Purge Method: DIA

Depth to Water (feet): 5.20

Depth to Product (feet):           

Total Depth (feet): 20.12

LPH & Water Recovered (gallons):           

Water Column (feet): 14.92

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 8.18

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. (mg/L)	ORP	Turbidity
Pre	Purge	—	—	—	—	—	1.29	68	—
0918			3	598.1	16.9	7.91			
			6	614.3	17.8	7.60			
	0920		9	611.3	18.5	7.60			
Post	Purge	—	—	—	—	—	3.40	67	—
Static at Time Sampled			Total Gallons Purged			Sample Time			
7.22			9			0929			
Comments: Dry AT 9 Gals.									

## GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 0843

Project No.: 165521

Date: 02-24-09

Well No. MW-1

Purge Method: JL #B DFA

Depth to Water (feet): 6.73

Depth to Product (feet):           

Total Depth (feet): 19.64

LPH & Water Recovered (gallons):           

Water Column (feet): 12.91

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 9.31

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. (mg/L)	ORP	Turbidity
Pre	Purge	—	—	—	—	—	3.22	57	—
0944			3	274.9	17.4	7.98	7.98	JL	
			6	338.7	17.8	7.76			
	0946		9	363.8	18.0	7.72			
POST	Purge	—	—	—	—	—	4.63	59	—
Static at Time Sampled			Total Gallons Purged			Sample Time			
8.60			9			0955			
Comments: <u>DRY AT 9 GALS.</u>									

Well No. MW-2A

Purge Method: JL #B DFA

Depth to Water (feet): 6.19

Depth to Product (feet):           

Total Depth (feet): 10.48

LPH & Water Recovered (gallons):           

Water Column (feet): 4.29

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 7.04

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. (mg/L)	ORP	Turbidity
Pre	Purge	—	—	—	—	—	4.44	50	—
1006			1	331.0	16.6	9.33			
			2	388.0	16.7	9.72			
	1007		3	375.3	16.6	9.86			
POST	Purge	—	—	—	—	—	3.38	34	—
Static at Time Sampled			Total Gallons Purged			Sample Time			
6.25			3			1020			
Comments:									



**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949

Date of Report: 03/10/2009

Anju Farfan

TRC

21 Technology Drive  
Irvine, CA 92618

RE: 0843  
BC Work Order: 0902524  
Invoice ID: B058516

Enclosed are the results of analyses for samples received by the laboratory on 2/24/2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Molly Meyers  
Client Service Rep

Authorized Signature



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	Sampling Date:	Sample Depth:	Sample Matrix:	Metal Analysis:
0902524-01	COC Number:	---		02/24/2009 21:20	02/24/2009 06:36	---	Water	2-Lab Filtered and Acidified
	Project Number:	0843						Delivery Work Order:
	Sampling Location:	---						Global ID: T0600102263
	Sampling Point:	MW-5						Location ID (FieldPoint): MW-5
	Sampled By:	TRCI						Matrix: W
								Sample QC Type (SACode): CS
								Cooler ID:
0902524-02	COC Number:	---		02/24/2009 21:20	02/24/2009 08:21	---	Water	2-Lab Filtered and Acidified
	Project Number:	0843						Delivery Work Order:
	Sampling Location:	---						Global ID: T0600102263
	Sampling Point:	MW-3						Location ID (FieldPoint): MW-3
	Sampled By:	TRCI						Matrix: W
								Sample QC Type (SACode): CS
								Cooler ID:
0902524-03	COC Number:	---		02/24/2009 21:20	02/24/2009 08:58	---	Water	2-Lab Filtered and Acidified
	Project Number:	0843						Delivery Work Order:
	Sampling Location:	---						Global ID: T0600102263
	Sampling Point:	MW-4						Location ID (FieldPoint): MW-4
	Sampled By:	TRCI						Matrix: W
								Sample QC Type (SACode): CS
								Cooler ID:

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



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Fattan

Reported: 03/10/2009 9:27

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	Sampling Date:	Sample Depth:	Sample Matrix:	Metal Analysis:
0902524-04	COC Number:	---		02/24/2009 21:20	02/24/2009 09:29	---	Water	2-Lab Filtered and Acidified
	Project Number:	0843						Delivery Work Order:
	Sampling Location:	---						Global ID: T0600102263
	Sampling Point:	MW-6						Location ID (FieldPoint): MW-6
	Sampled By:	TRCI						Matrix: W
								Sample QC Type (SACode): CS
								Cooler ID:
0902524-05	COC Number:	---		02/24/2009 21:20	02/24/2009 09:55	---	Water	2-Lab Filtered and Acidified
	Project Number:	0843						Delivery Work Order:
	Sampling Location:	---						Global ID: T0600102263
	Sampling Point:	MW-1						Location ID (FieldPoint): MW-1
	Sampled By:	TRCI						Matrix: W
								Sample QC Type (SACode): CS
								Cooler ID:
0902524-06	COC Number:	---		02/24/2009 21:20	02/24/2009 10:20	---	Water	2-Lab Filtered and Acidified
	Project Number:	0843						Delivery Work Order:
	Sampling Location:	---						Global ID: T0600102263
	Sampling Point:	MW-2A						Location ID (FieldPoint): MW-2A
	Sampled By:	TRCI						Matrix: W
								Sample QC Type (SACode): CS
								Cooler ID:



**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Fartan

Reported: 03/10/2009 9:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902524-01		Client Sample Name: 0843, MW-5, 2/24/2009 6:36:00AM												
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals	
Benzene	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:08	mwb	MS-V10	i	BSB1898	ND		
Ethylbenzene	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:08	mwb	MS-V10	i	BSB1898	ND		
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:08	mwb	MS-V10	1	BSB1898	ND		
Toluene	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:08	mwb	MS-V10	1	BSB1898	ND		
Total Xylenes	ND	ug/L	1.0		EPA-8260	02/26/09	02/26/09 21:08	mwb	MS-V10	1	BSB1898	ND		
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:08	mwb	MS-V10	1	BSB1898	ND		
t-Butyl alcohol	ND	ug/L	10		EPA-8260	02/26/09	02/26/09 21:08	mwb	MS-V10	1	BSB1898	ND		
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:08	mwb	MS-V10	1	BSB1898	ND		
Ethanol	ND	ug/L	250		EPA-8260	02/26/09	02/26/09 21:08	mwb	MS-V10	i	BSB1898	ND		
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:08	mwb	MS-V10	i	BSB1898	ND		
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	02/26/09	02/26/09 21:08	mwb	MS-V10	i	BSB1898	ND		
1,2-Dichloroethane-d4 (Surrogate)	105	%	76 - 114 (LCL - UCL)		EPA-8260	02/26/09	02/26/09 21:08	mwb	MS-V10	i	BSB1898			
Toluene-d8 (Surrogate)	98.2	%	88 - 110 (LCL - UCL)		EPA-8260	02/26/09	02/26/09 21:08	mwb	MS-V10	1	BSB1898			
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)		EPA-8260	02/26/09	02/26/09 21:08	mwb	MS-V10	1	BSB1898			

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*  
 All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.  
 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
 Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Water Analysis (General Chemistry)

BCL Sample ID: 0902524-01		Client Sample Name: 0843, MW-5, 2/24/2009 6:36:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep	Run	Analyst	Instru- ment ID	Dilution	QC	MB	Lab
						Date	Date/Time				Batch ID	Bias	Quals
Sulfate	64	mg/L	1.0		EPA-300.0	03/03/09	03/03/09 13:50	VH1	IC2	1	BSC0263	ND	
Iron (II) Species	ND	ug/L	100		SM-3500-FeL	02/25/09	02/25/09 02:00	MRM	SPEC05	i	BSB1769	ND	
Non-Volatile Organic Carbon	4.5	mg/L	0.30		EPA-415.1	03/05/09	03/05/09 23:22	CDR	TOC2	1	BSC0457	ND	

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

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1188; Nevada Administrative Code - NAC-445A



**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Water Analysis (Metals)

<b>BCL Sample ID:</b> 0902524-01		<b>Client Sample Name:</b> 0843, MW-5, 2/24/2009 6:36:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quas
Manganese	ND	ug/L	1.0		EPA-200.8	02/25/09	03/06/09 21:34	PRA	PE-EL1	1	BSC0364	ND	
<b>Total Recoverable Manganese</b>	<b>720</b>	<b>ug/L</b>	<b>1.0</b>		<b>EPA-200.8</b>	<b>03/04/09</b>	<b>03/04/09 12:19</b>	<b>PRA</b>	<b>PE-EL1</b>	<b>1</b>	<b>BSC0204</b>	<b>ND</b>	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*  
 All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.  
 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
 Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902524-02		Client Sample Name: 0843, MW-3, 2/24/2009 8:21:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:25	mwb	MS-V10	i	BSB1898	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:25	mwb	MS-V10	i	BSB1898	ND	
<b>Methyl t-butyl ether</b>	<b>1.9</b>	<b>ug/L</b>	<b>0.50</b>		<b>EPA-8260</b>	<b>02/26/09</b>	<b>02/26/09 21:25</b>	<b>mwb</b>	<b>MS-V10</b>	<b>1</b>	<b>BSB1898</b>	<b>ND</b>	
Toluene	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:25	mwb	MS-V10	1	BSB1898	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	02/26/09	02/26/09 21:25	mwb	MS-V10	1	BSB1898	ND	
t-Amvl Methyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:25	mwb	MS-V10	1	BSB1898	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	02/26/09	02/26/09 21:25	mwb	MS-V10	1	BSB1898	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:25	mwb	MS-V10	1	BSB1898	ND	
Ethanol	ND	ug/L	250		EPA-8260	02/26/09	02/26/09 21:25	mwb	MS-V10	1	BSB1898	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:25	mwb	MS-V10	1	BSB1898	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	02/26/09	02/26/09 21:25	mwb	MS-V10	1	BSB1898	ND	
1,2-Dichloroethane-d4 (Surrogate)	92.3	%	76 - 114 (LCL - UCL)		EPA-8260	02/26/09	02/26/09 21:25	mwb	MS-V10	1	BSB1898		
Toluene-d8 (Surrogate)	97.3	%	88 - 110 (LCL - UCL)		EPA-8260	02/26/09	02/26/09 21:25	mwb	MS-V10	1	BSB1898		
4-Bromofluorobenzene (Surrogate)	98.5	%	86 - 115 (LCL - UCL)		EPA-8260	02/26/09	02/26/09 21:25	mwb	MS-V10	1	BSB1898		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation. 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Fartan

Reported: 03/10/2009 9:27

### Water Analysis (General Chemistry)

BCL Sample ID: 0902524-02		Client Sample Name: 0843, MW-3, 2/24/2009 8:21:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Sulfate	130	mg/L	1.0		EPA-300.0	03/03/09	03/03/09 14:03	VH1	IC2	1	BSC0263	ND	
Iron (II) Species	ND	ug/L	100		SM-3500-FeI	02/25/09	02/25/09 02:00	MRM	SPEC05	i	BSB1769	ND	
Non-Volatile Organic Carbon	3.2	mg/L	0.30		EPA-415.1	03/05/09	03/05/09 23:40	CDR	TOC2	1	BSC0457	ND	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*  
 All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.  
 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
 Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Water Analysis (Metals)

BCL Sample ID: 0902524-02		Client Sample Name: 0843, MW-3, 2/24/2009 8:21:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Manganese	ND	ug/L	1.0		EPA-200.8	02/25/09	03/06/09 21:36	PRA	PE-EL1	1	BSC0364	ND	
<b>Total Recoverable Manganese</b>	<b>1100</b>	<b>ug/L</b>	<b>1.0</b>		<b>EPA-200.8</b>	<b>03/04/09</b>	<b>03/04/09 12:22</b>	<b>PRA</b>	<b>PE-EL1</b>	<b>1</b>	<b>BSC0204</b>	<b>ND</b>	



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902524-03		Client Sample Name: 0843, MW-4, 2/24/2009 8:58:00AM												
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals	
Benzene	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:43	mwb	MS-V10	1	BSB1898	ND		
Ethylbenzene	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:43	mwb	MS-V10	1	BSB1898	ND		
Methyl t-butyl ether	1.8	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:43	mwb	MS-V10	1	BSB1898	ND		
Toluene	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:43	mwb	MS-V10	i	BSB1898	ND		
Total Xylenes	ND	ug/L	1.0		EPA-8260	02/26/09	02/26/09 21:43	mwb	MS-V10	i	BSB1898	ND		
t-Amvl Methyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:43	mwb	MS-V10	i	BSB1898	ND		
t-Butyl alcohol	ND	ug/L	10		EPA-8260	02/26/09	02/26/09 21:43	mwb	MS-V10	i	BSB1898	ND		
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:43	mwb	MS-V10	i	BSB1898	ND		
Ethanol	ND	ug/L	250		EPA-8260	02/26/09	02/26/09 21:43	mwb	MS-V10	i	BSB1898	ND		
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 21:43	mwb	MS-V10	i	BSB1898	ND		
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	02/26/09	02/26/09 21:43	mwb	MS-V10	i	BSB1898	ND		
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	02/26/09	02/26/09 21:43	mwb	MS-V10	1	BSB1898			
Toluene-d8 (Surrogate)	94.8	%	88 - 110 (LCL - UCL)		EPA-8260	02/26/09	02/26/09 21:43	mwb	MS-V10	1	BSB1898			
4-Bromofluorobenzene (Surrogate)	99.2	%	86 - 115 (LCL - UCL)		EPA-8260	02/26/09	02/26/09 21:43	mwb	MS-V10	1	BSB1898			



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Water Analysis (General Chemistry)

BCL Sample ID: 0902524-03		Client Sample Name: 0843, MW-4, 2/24/2009 8:58:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Sulfate	130	mg/L	1.0		EPA-300.0	03/03/09	03/03/09 14:17	VH1	IC2	1	BSC0263	ND	
Iron (II) Species	ND	ug/L	100		SM-3500-FeI	02/25/09	02/25/09 02:00	MRM	SPEC05	1	BSB1769	ND	
Non-Volatile Organic Carbon	1.7	mg/L	0.30		EPA-415.1	03/05/09	03/05/09 23:58	CDR	TOC2	1	BSC0457	ND	

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

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



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Water Analysis (Metals)

BCL Sample ID: 0902524-03		Client Sample Name: 0843, MW-4, 2/24/2009 8:58:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Manganese	3.1	ug/L	1.0		EPA-200.8	02/25/09	03/06/09 21:39	PRA	PE-EL1	1	BSC0364	ND	
Total Recoverable Manganese	250	ug/L	1.0		EPA-200.8	03/04/09	03/04/09 12:25	PRA	PE-EL1	1	BSC0204	ND	



**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902524-04		Client Sample Name: 0843, MW-6, 2/24/2009 9:29:00AM												
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals	
Benzene	ND	ug/L	0.50		EPA-8260	02/26/09	02/27/09 00:06	MWB	MS-V10	1	BSB1898	ND		
Ethylbenzene	ND	ug/L	0.50		EPA-8260	02/26/09	02/27/09 00:06	MWB	MS-V10	1	BSB1898	ND		
<b>Methyl t-butyl ether</b>	<b>450</b>	<b>ug/L</b>	<b>5.0</b>		<b>EPA-8260</b>	<b>02/26/09</b>	<b>02/27/09 14:51</b>	<b>KEA</b>	<b>MS-V10</b>	<b>10</b>	<b>BSB1898</b>	<b>ND</b>	<b>A01</b>	
Toluene	ND	ug/L	0.50		EPA-8260	02/26/09	02/27/09 00:06	MWB	MS-V10	1	BSB1898	ND		
Total Xylenes	ND	ug/L	1.0		EPA-8260	02/26/09	02/27/09 00:06	MWB	MS-V10	1	BSB1898	ND		
t-Amvi Methyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/27/09 00:06	MWB	MS-V10	1	BSB1898	ND		
t-Butyl alcohol	ND	ug/L	10		EPA-8260	02/26/09	02/27/09 00:06	MWB	MS-V10	i	BSB1898	ND		
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/27/09 00:06	MWB	MS-V10	i	BSB1898	ND		
Ethanol	ND	ug/L	250		EPA-8260	02/26/09	02/27/09 00:06	MWB	MS-V10	1	BSB1898	ND		
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/27/09 00:06	MWB	MS-V10	1	BSB1898	ND		
<b>Total Purgeable Petroleum Hydrocarbons</b>	<b>250</b>	<b>ug/L</b>	<b>50</b>		<b>Luft-GC/MS</b>	<b>02/26/09</b>	<b>02/27/09 00:06</b>	<b>MWB</b>	<b>MS-V10</b>	<b>1</b>	<b>BSB1898</b>	<b>ND</b>	<b>A90</b>	
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	02/26/09	02/27/09 00:06	MWB	MS-V10	1	BSB1898			
1,2-Dichloroethane-d4 (Surrogate)	94.7	%	76 - 114 (LCL - UCL)		EPA-8260	02/26/09	02/27/09 14:51	KEA	MS-V10	10	BSB1898			
Toluene-d8 (Surrogate)	97.6	%	88 - 110 (LCL - UCL)		EPA-8260	02/26/09	02/27/09 14:51	KEA	MS-V10	10	BSB1898			
Toluene-d8 (Surrogate)	97.6	%	88 - 110 (LCL - UCL)		EPA-8260	02/26/09	02/27/09 00:06	MWB	MS-V10	i	BSB1898			
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260	02/26/09	02/27/09 14:51	KEA	MS-V10	10	BSB1898			
4-Bromofluorobenzene (Surrogate)	99.8	%	86 - 115 (LCL - UCL)		EPA-8260	02/26/09	02/27/09 00:06	MWB	MS-V10	i	BSB1898			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.  
 All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.  
 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
 Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anu Fartan

Reported: 03/10/2009 9:27

### Water Analysis (General Chemistry)

<b>BCL Sample ID:</b> 0902524-04		<b>Client Sample Name:</b> 0843, MW-6, 2/24/2009 9:29:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Sulfate	85	mg/L	1.0		EPA-300.0	03/03/09	03/03/09 14:31	VH1	IC2	1	BSC0263	ND	
Iron (II) Species	ND	ug/L	100		SM-3500-FeI	02/25/09	02/25/09 02:00	MRM	SPEC05	i	BSB1769	ND	
Non-Volatile Organic Carbon	2.7	mg/L	0.30		EPA-415.1	03/05/09	03/06/09 00:15	GDR	TOC2	1	BSC0457	ND	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*  
 All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.  
 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
 Certifications: California - ELAP Certification Number 1188; Nevada Administrative Code - NAC-445A



**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Water Analysis (Metals)

BCL Sample ID: 0902524-04		Client Sample Name: 0843, MW-6, 2/24/2009 9:29:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep	Run	Analyst	Instru- ment ID	Dilution	QC	MB	Lab
						Date	Date/Time				Batch ID	Bias	Quals
Manganese	1.2	ug/L	1.0		EPA-200.8	02/25/09	03/06/09 21:48	PRA	PE-EL1	1	BSC0364	ND	
Total Recoverable Manganese	2300	ug/L	2.0		EPA-200.8	03/04/09	03/04/09 14:09	PRA	PE-EL1	2	BSC0204	ND	A01

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*  
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.  
4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902524-05		Client Sample Name: 0843, MW-1, 2/24/2009 9:55:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	02/26/09	02/27/09 00:23	MWB	MS-V10	1	BSB1898	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	02/26/09	02/27/09 00:23	MWB	MS-V10	1	BSB1898	ND	
<b>Methyl t-butyl ether</b>	<b>2300</b>	<b>ug/L</b>	<b>25</b>		<b>EPA-8260</b>	<b>02/26/09</b>	<b>03/04/09 11:04</b>	<b>MWB</b>	<b>MS-V10</b>	<b>50</b>	<b>BSB1898</b>	<b>ND</b>	<b>A01</b>
Toluene	ND	ug/L	0.50		EPA-8260	02/26/09	02/27/09 00:23	MWB	MS-V10	i	BSB1898	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	02/26/09	02/27/09 00:23	MWB	MS-V10	1	BSB1898	ND	
<b>t-Amyl Methyl ether</b>	<b>2.5</b>	<b>ug/L</b>	<b>0.50</b>		<b>EPA-8260</b>	<b>02/26/09</b>	<b>02/27/09 00:23</b>	<b>MWB</b>	<b>MS-V10</b>	<b>1</b>	<b>BSB1898</b>	<b>ND</b>	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	02/26/09	02/27/09 00:23	MWB	MS-V10	1	BSB1898	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/27/09 00:23	MWB	MS-V10	1	BSB1898	ND	
Ethanol	ND	ug/L	250		EPA-8260	02/26/09	02/27/09 00:23	MWB	MS-V10	1	BSB1898	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/27/09 00:23	MWB	MS-V10	i	BSB1898	ND	
<b>Total Purgeable Petroleum Hydrocarbons</b>	<b>630</b>	<b>ug/L</b>	<b>50</b>		<b>Luft-GC/MS</b>	<b>02/26/09</b>	<b>02/27/09 00:23</b>	<b>MWB</b>	<b>MS-V10</b>	<b>1</b>	<b>BSB1898</b>	<b>ND</b>	<b>A90</b>
1,2-Dichloroethane-d4 (Surrogate)	95.0	%	76 - 114 (LCL - UCL)		EPA-8260	02/26/09	03/04/09 11:04	MWB	MS-V10	50	BSB1898		
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	02/26/09	02/27/09 00:23	MWB	MS-V10	1	BSB1898		
Toluene-d8 (Surrogate)	94.4	%	88 - 110 (LCL - UCL)		EPA-8260	02/26/09	02/27/09 00:23	MWB	MS-V10	1	BSB1898		
Toluene-d8 (Surrogate)	98.4	%	88 - 110 (LCL - UCL)		EPA-8260	02/26/09	03/04/09 11:04	MWB	MS-V10	50	BSB1898		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260	02/26/09	03/04/09 11:04	MWB	MS-V10	50	BSB1898		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)		EPA-8260	02/26/09	02/27/09 00:23	MWB	MS-V10	i	BSB1898		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation. 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC 21 Technology Drive Irvine, CA 92618	Project: 0843 Project Number: 4511010865 Project Manager: Anju Farfan	Reported: 03/10/2009 9:27
--	---	---------------------------

### Water Analysis (General Chemistry)

<b>BCL Sample ID:</b> 0902524-05	<b>Client Sample Name:</b> 0843, MW-1, 2/24/2009 9:55:00AM												
Constituent	Result	Units	PQL	MDL	Method	Prep	Run	Analyst	Instru- ment ID	Dilution	QC	MB	Lab
						Date	Date/Time				Batch ID	Bias	Quals
Sulfate	18	mg/L	1.0		EPA-300.0	03/03/09	03/03/09 14:44	VH1	IC2	1	BSC0263	ND	
Iron (II) Species	ND	ug/L	100		SM-3500-FeI	02/25/09	02/25/09 02:00	MRM	SPEC05	1	BSB1769	ND	
Non-Volatile Organic Carbon	1.3	mg/L	0.30		EPA-415.1	03/05/09	03/06/09 00:33	CDR	TOC2	1	BSC0457	ND	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*  
 All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.  
 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
 Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Water Analysis (Metals)

BCL Sample ID: 0902524-05		Client Sample Name: 0843, MW-1, 2/24/2009 9:55:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Manganese	ND	ug/L	1.0		EPA-200.8	02/25/09	03/06/09 21:51	PRA	PE-EL1	1	BSC0364	ND	
<b>Total Recoverable Manganese</b>	<b>500</b>	<b>ug/L</b>	<b>1.0</b>		<b>EPA-200.8</b>	<b>03/04/09</b>	<b>03/04/09 12:31</b>	<b>PRA</b>	<b>PE-EL1</b>	<b>1</b>	<b>BSC0204</b>	<b>ND</b>	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*  
 All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.  
 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
 Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902524-06 Client Sample Name: 0843, MW-2A, 2/24/2009 10:20:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep	Run	Analyst	Instru- ment ID	Dilution	QC	MB	Lab
						Date	Date/Time				Batch ID	Bias	Quals
Benzene	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 22:01	mwb	MS-V10	i	BSB1898	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 22:01	mwb	MS-V10	i	BSB1898	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 22:01	mwb	MS-V10	1	BSB1898	ND	
Toluene	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 22:01	mwb	MS-V10	1	BSB1898	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	02/26/09	02/26/09 22:01	mwb	MS-V10	1	BSB1898	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 22:01	mwb	MS-V10	1	BSB1898	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	02/26/09	02/26/09 22:01	mwb	MS-V10	1	BSB1898	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 22:01	mwb	MS-V10	1	BSB1898	ND	
Ethanol	ND	ug/L	250		EPA-8260	02/26/09	02/26/09 22:01	mwb	MS-V10	1	BSB1898	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	02/26/09	02/26/09 22:01	mwb	MS-V10	i	BSB1898	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	02/26/09	02/26/09 22:01	mwb	MS-V10	i	BSB1898	ND	
1,2-Dichloroethane-d4 (Surrogate)	108	%	76 - 114 (LCL - UCL)		EPA-8260	02/26/09	02/26/09 22:01	mwb	MS-V10	1	BSB1898		
Toluene-d8 (Surrogate)	99.2	%	88 - 110 (LCL - UCL)		EPA-8260	02/26/09	02/26/09 22:01	mwb	MS-V10	1	BSB1898		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)		EPA-8260	02/26/09	02/26/09 22:01	mwb	MS-V10	1	BSB1898		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation. 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Water Analysis (General Chemistry)

BCL Sample ID: 0902524-06		Client Sample Name: 0843, MW-2A, 2/24/2009 10:20:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Sulfate	87	mg/L	1.0		EPA-300.0	03/03/09	03/03/09 15:52	VH1	IC2	1	BSC0263	ND	
Iron (II) Species	110	ug/L	100		SM-3500-FeE	02/25/09	02/25/09 02:00	MRM	SPEC05	1	BSB1769	ND	
Non-Volatile Organic Carbon	17	mg/L	1.5		EPA-415.1	03/05/09	03/06/09 00:51	CDR	TOC2	5	BSC0457	ND	A01

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*  
 All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.  
 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
 Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Water Analysis (Metals)

BCL Sample ID: 0902524-06		Client Sample Name: 0843, MW-2A, 2/24/2009 10:20:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep	Run	Analyst	Instru- ment ID	Dilution	QC	MB	Lab
						Date	Date/Time				Batch ID	Bias	Quals
Manganese	ND	ug/L	1.0		EPA-200.8	02/25/09	03/06/09 21:54	PRA	PE-EL1	1	BSC0364	ND	
<b>Total Recoverable Manganese</b>	<b>130</b>	<b>ug/L</b>	<b>1.0</b>		<b>EPA-200.8</b>	<b>03/04/09</b>	<b>03/04/09 12:34</b>	<b>PRA</b>	<b>PE-EL1</b>	<b>1</b>	<b>BSC0204</b>	<b>ND</b>	



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Volatile Organic Analysis (EPA Method 8260)

#### Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
										RPD	Percent Recovery	
Benzene	BSB1898	Matrix Spike	0902530-03	0	28.180	25.000	ug/L		113		70 - 130	
		Matrix Spike Duplicate	0902530-03	0	27.820	25.000	ug/L	1.8	111	20	70 - 130	
Toluene	BSB1898	Matrix Spike	0902530-03	0	27.430	25.000	ug/L		110		70 - 130	
		Matrix Spike Duplicate	0902530-03	0	27.100	25.000	ug/L	1.8	108	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BSB1898	Matrix Spike	0902530-03	ND	10.060	10.000	ug/L		101		76 - 114	
		Matrix Spike Duplicate	0902530-03	ND	9.8300	10.000	ug/L		98.3		76 - 114	
Toluene-d8 (Surrogate)	BSB1898	Matrix Spike	0902530-03	ND	9.9500	10.000	ug/L		99.5		88 - 110	
		Matrix Spike Duplicate	0902530-03	ND	10.090	10.000	ug/L		101		88 - 110	
4-Bromofluorobenzene (Surrogate)	BSB1898	Matrix Spike	0902530-03	ND	10.150	10.000	ug/L		102		86 - 115	
		Matrix Spike Duplicate	0902530-03	ND	10.080	10.000	ug/L		101		86 - 115	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*  
 All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.  
 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
 Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

### Water Analysis (General Chemistry)

#### Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Spike Result	Spike Added	Units	RPD	Percent Recovery	Control Limits	
										RPD	Percent Recovery
Iron (II) Species	BSB1769	Duplicate	0902524-01	26.667	ND		ug/L			10	
Sulfate	BSC0263	Duplicate	0902524-06	87.062	87.208		mg/L	0.2		10	
		Matrix Spike	0902524-06	87.062	192.24	101.01	mg/L		104		80 - 120
		Matrix Spike Duplicate	0902524-06	87.062	193.65	101.01	mg/L	1.9	106	10	80 - 120
Non-Volatile Organic Carbon	BSC0457	Duplicate	0902530-03	0.52700	0.51800		mg/L	1.7		10	
		Matrix Spike	0902530-03	0.52700	5.4955	5.0251	mg/L		98.9		80 - 120
		Matrix Spike Duplicate	0902530-03	0.52700	5.4422	5.0251	mg/L	1.1	97.8	10	80 - 120

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*  
 All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.  
 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
 Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Fartan

Reported: 03/10/2009 9:27

### Water Analysis (Metals)

#### Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
										RPD	Percent Recovery	
Total Recoverable Manganese	BSC0204	Duplicate	0902641-01	383.36	396.62		ug/L	3.4		20		
		Matrix Spike	0902641-01	383.36	475.02	100.00	ug/L		91.7		70 - 130	
		Matrix Spike Duplicate	0902641-01	383.36	496.03	100.00	ug/L	20.8	113	20	70 - 130	Q02
Manganese	BSC0364	Duplicate	0902520-01	-0.062000	ND		ug/L			20		
		Matrix Spike	0902520-01	-0.062000	102.87	102.04	ug/L		101		70 - 130	
		Matrix Spike Duplicate	0902520-01	-0.062000	101.73	102.04	ug/L	1.3	99.7	20	70 - 130	



TRC 21 Technology Drive Irvine, CA 92618	Project: 0843 Project Number: 4511010865 Project Manager: Anju Farfan	Reported: 03/10/2009 9:27
--	---	---------------------------

### Volatile Organic Analysis (EPA Method 8260)

#### Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits		Lab Quals
										Percent Recovery	RPD	
Benzene	BSB1898	BSB1898-BS1	LCS	28.290	25.000	0.50	ug/L	113		70 - 130		
Toluene	BSB1898	BSB1898-BS1	LCS	27.120	25.000	0.50	ug/L	108		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSB1898	BSB1898-BS1	LCS	10.260	10.000		ug/L	103		76 - 114		
Toluene-d8 (Surrogate)	BSB1898	BSB1898-BS1	LCS	9.9800	10.000		ug/L	99.8		88 - 110		
4-Bromofluorobenzene (Surrogate)	BSB1898	BSB1898-BS1	LCS	9.9900	10.000		ug/L	99.9		86 - 115		

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*  
 All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.  
 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
 Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Fartan

Reported: 03/10/2009 9:27

## Water Analysis (General Chemistry)

### Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits		Lab Quals
										Percent Recovery	RPD	
Iron (II) Species	BSB1769	BSB1769-BS1	LCS	2011.9	2000.0	100	ug/L	101		90 - 110		
Sulfate	BSC0263	BSC0263-BS1	LCS	104.44	100.00	1.0	mg/L	104		90 - 110		
Non-Volatile Organic Carbon	BSC0457	BSC0457-BS1	LCS	4.8350	5.0000	0.30	mg/L	96.7		85 - 115		



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Fartan

Reported: 03/10/2009 9:27

## Water Analysis (Metals)

### 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	
Total Recoverable Manganese	BSC0204	BSC0204-BS1	LCS	105.93	100.00	1.0	ug/L	106		85 - 115		
Manganese	BSC0364	BSC0364-BS1	LCS	101.33	100.00	1.0	ug/L	101		85 - 115		



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BSB1898	BSB1898-BLK1	ND	ug/L	0.50		
Ethylbenzene	BSB1898	BSB1898-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BSB1898	BSB1898-BLK1	ND	ug/L	0.50		
Toluene	BSB1898	BSB1898-BLK1	ND	ug/L	0.50		
Total Xylenes	BSB1898	BSB1898-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BSB1898	BSB1898-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BSB1898	BSB1898-BLK1	ND	ug/L	10		
Diisopropyl ether	BSB1898	BSB1898-BLK1	ND	ug/L	0.50		
Ethanol	BSB1898	BSB1898-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BSB1898	BSB1898-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BSB1898	BSB1898-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BSB1898	BSB1898-BLK1	102	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BSB1898	BSB1898-BLK1	97.6	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BSB1898	BSB1898-BLK1	102	%	86 - 115 (LCL - UCL)		

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*  
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.  
4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Fartan

Reported: 03/10/2009 9:27

## Water Analysis (General Chemistry)

### Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Iron (II) Species	BSB1769	BSB1769-BLK1	ND	ug/L	100		
Sulfate	BSC0263	BSC0263-BLK1	ND	mg/L	1.0		
Non-Volatile Organic Carbon	BSC0457	BSC0457-BLK1	ND	mg/L	0.30		

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*  
 All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.  
 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com  
 Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Farfan

Reported: 03/10/2009 9:27

## Water Analysis (Metals)

### Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Total Recoverable Manganese	BSC0204	BSC0204-BLK1	ND	ug/L	1.0		
Manganese	BSC0364	BSC0364-BLK1	ND	ug/L	1.0		



TRC  
21 Technology Drive  
Irvine, CA 92618

Project: 0843  
Project Number: 4511010865  
Project Manager: Anju Fartan

Reported: 03/10/2009 9:27

**Notes And Definitions**

- MDL Method Detection Limit
- ND Analyte Not Detected at or above the reporting limit
- PQL Practical Quantitation Limit
- RPD Relative Percent Difference
- A01 PQL's and MDL's are raised due to sample dilution.
- A90 TPPH does not exhibit a "gasoline" pattern. TPPH is entirely due to MTBE.
- Q02 Matrix spike precision is not within the control limits.

Submission #: 09-2524

SHIPPING INFORMATION
Federal Express [ ] UPS [ ] Hand Delivery [ ]
BC Lab Field Service [x] Other [ ] (Specify) \_\_\_\_\_

SHIPPING CONTAINER
Ice Chest [x] None [ ]
Box [ ] Other [ ] (Specify) \_\_\_\_\_

Refrigerant: Ice [x] Blue Ice [ ] None [ ] Other [ ] Comments:

Custody Seals Ice Chest [ ] Containers [ ] None [x] Comments:
Intact? Yes [ ] No [ ] Intact? Yes [ ] No [ ]

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

COC Received
YES [x] NO [ ]

Emissivity: .96 Container: ppe Thermometer ID: TH163
Temperature: A 2.4 °C / C 2.4 °C

Date/Time 2/24/09
0935 Analyst Init CMZ

Table with columns for Sample Containers and Sample Numbers (1-10). Rows include various analytical methods like QT GENERAL MINERAL, PT PE UNPRESERVED, etc. Handwritten entries include 'E', 'D', 'C', 'A3', and 'B'.

Comments:
Sample Numbering Completed By: AMB Date/Time 2/25/09 1100
A = Actual / C = Corrected

Submission #: 0102551

SHIPPING INFORMATION

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

SHIPPING CONTAINER

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

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

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

Intact? Yes  No  Intact? Yes  No

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

COC Received  
 YES  NO

Emissivity: .98 Container: Glass jar Thermometer ID: TH103

Date/Time 2/25/09

Temperature: A 5.9 °C / C 5.7 °C

Analyst Init NH

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 /NITRIIE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	(	(	(	(	(	(	(	(	(	(
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR	A	A	A							
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments: \_\_\_\_\_

Sample Numbering Completed By: AMS Date/Time: 2/25/09 1100

A = Actual / C = Corrected

**BC LABORATORIES, INC.**

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

CHK BY *[Signature]*  
 DISTRIBUTION  
 SUB-OUT

**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 Sulfate by 300.0, dissolved manganese by 200.8 Total manganese by 200.8, Ferrrous iron by SM18.3500FE+D TOC by 415.1	Turnaround Time Requested
Address: <i>1629 Webster St.</i>		21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan <i>09-2524</i>				
City: <i>Alameda</i>		4-digit site#: <i>0843</i>				
State: CA Zip:		Workorder # <i>02807-4511010965</i>				
Conoco Phillips Mgr: <i>Jerry Grayson</i>		Project #: <i>165521</i>				
Lab#	Sample Description	Field Point Name	Date & Time Sampled			
		<i>1 MW-5</i>	<i>02-24-09 0636</i>	<i>GW</i>		<i>STD</i>
		<i>2 MW-3</i>	<i>0821</i>			
		<i>3 MW-4</i>	<i>0858</i>			
		<i>4 MW-6</i>	<i>0929</i>			
		<i>5 MW-1</i>	<i>0955</i>			
		<i>6 MW-2A</i>	<i>1020</i>			

Comments:  GLOBAL ID: <i>T0600102263</i>	Relinquished by: (Signature) <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date & Time <i>02-24-09 1545</i>
	Relinquished by: (Signature) <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date & Time <i>2-24-09 1830</i>
	Relinquished by: (Signature) <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date & Time <i>2/24/09 2120</i>

## **STATEMENTS**

### **Purge Water Disposal**

Non-hazardous groundwater produced during purging and sampling of monitoring wells was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by a licensed carrier, to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures - Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water containing a significant amount of liquid-phase hydrocarbons was accumulated separately in drums for transportation and disposal by others.

### **Limitations**

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.