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**Shaw**™ Shaw Environmental, Inc.

4005 Port Chicago Hwy  
Concord, California 94520

Mr. Don Hwang  
Alameda County Health Agency  
1131 Harbor Bay Parkway  
Alameda, California 94502

Re: **Report Transmittal  
Quarterly Report  
Third Quarter – 2005  
76 Service Station #0843  
1629 Webster Street  
Alameda, CA**

Alameda County  
OCT 12 2005  
Environmental Health

Dear Mr. Hwang:

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) 558-7609.

Sincerely,

**Shelby Suzanne Lathrop**  
Project Manager  
Shaw Environmental, Inc.  
Approved service provider of ConocoPhillips -Risk Management & Remediation  
Cell: 707-592-1146

Client Contact Information:  
**ConocoPhillips**  
76 Broadway  
Sacramento, California 95818  
Client office: 916-558-7609  
Client fax: 916-558-7639

Attachment

cc: Myron Smith, ConocoPhillips



6602 Owens Dr. Suite 100  
Pleasanton, California 94588  
[www.atc-enviro.com](http://www.atc-enviro.com)  
925.460.5300  
Fax 925.463.2559

September 30, 2005

Mr. Donald Hwang  
Alameda County Department of Public Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

Alameda County  
OCT 12 2005  
Environmental Health

**Re: Quarterly Summary Report – Third Quarter 2005**  
76 Service Station No. 0843 / WNO 2807  
1629 Webster Street  
Alameda, CA

Dear Mr. Hwang:

On behalf of ConocoPhillips Company, ATC Associates Inc. is forwarding the quarterly summary report for the above referenced facility.

Sincerely,  
**ATC ASSOCIATES INC.**

A handwritten signature in black ink, appearing to read 'Dan', with a small arrow pointing to the right.

David A. Evans *for*  
Senior Project Manager

A handwritten signature in black ink, appearing to read 'Janine Weber-Band', enclosed in a circular stamp.

Janine Weber-Band, PhD, CEG #2286  
Senior Geologist

Attachment: Site Plan  
Quarterly Monitoring report, prepared by TRC

Cc: Ms. Shelby Lathrop – ConocoPhillips (Electronic copy only)

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**QUARTERLY SUMMARY REPORT**  
**Third Quarter 2005**

76 Service Station No. 0843 / WNO 2807  
1629 Webster Street  
Alameda, CA

City/County ID#: Alameda  
County: Alameda

**SITE BACKGROUND AND ACTIVITY**

June 1998 - Tosco Marketing Company (Tosco, now ConocoPhillips) removed two 10,000-gallon gasoline underground storage tanks (USTs), one 550-gallon used oil UST, product lines, and 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, 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 water was observed at between 4 and 6 feet bgs subsequent to well installation.

December 1999 – Two offsite soil borings (B5 and B6) were advanced and subsequently converted to monitor wells MW5 and MW6. Groundwater was encountered at approximately 10 feet below ground surface (bgs). Static water was observed at 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 installed to evaluate whether underground utilities in the vicinity of the site are providing preferential pathways for groundwater flow and the migration of dissolved hydrocarbons. The results of the investigation indicated that there was insufficient evidence to suggest that underground utility lines were providing preferential pathways for the off-site migration of dissolved petroleum hydrocarbons.

December 2001 - Twelve direct-push soil borings (GP-6 through GP-17) were completed 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 detected in the previous investigations was limited and that remedial action was not warranted.

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December 2002 - One on-site monitoring well (MW-2) was destroyed during remedial excavation of hydrocarbon-impacted soil. This well was completed in the vicinity of the former eastern dispenser island and was replaced with on-site backfill monitoring well MW-2A. Approximately 292 tons of hydrocarbon-impacted soil were 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, dated September 10, 2003. The report summarized why no further action was needed for the site; the report also included plans to destroy the existing wells upon regulatory acceptance for no further action. Site closure was not approved, and it was determined that additional assessment would be required.

June 2004 – A Work Plan was submitted to install two monitoring 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. for the installation of two offsite monitoring wells.

September 2005 – A Work Plan was prepared by ATC Associates Inc. title *Work Plan Subsurface Investigation* for the installation of an additional onsite monitoring well.

## **SENSITIVE RECEPTORS**

June/July 2002 - A groundwater receptor survey was conducted. Three irrigation wells were located within a ½ - mile radius of the site. The wells were reportedly located approximately 1,980 feet west and 2,245 feet southwest of the site, cross or upgradient of the site.

## **GROUNDWATER MONITORING AND SAMPLING**

Quarterly groundwater monitoring and sampling was initiated in March 1999. During the most recent groundwater sampling event conducted on July 27, 2005, depth to groundwater ranged from 5.31 feet (MW-5) to 6.52 feet (MW-1) below top of casing (TOC). The groundwater flow direction was reported towards the northeast at a gradient of 0.004 ft/ft. Maximum dissolved groundwater concentrations were present as follows: TPH (<1,000 ug/l in MW-6, benzene (0.66 ug/l in MW-2A), and MtBE (1,100 ug/l in MW-6).

## **REMEDIATION STATUS**

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

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## CHARACTERIZATION STATUS

Based on the most current (July 27, 2005) and historic dissolved analytical data, MtBE is not defined offsite cross gradient (east-west) of MW-6 and down gradient (north) of onsite well MW-4. Upgradient monitor well, MW-1, contained 27 ug/l of MtBE on March 11, 2005, this well is sampled on an annual basis. An expanded monitor well network is needed to define the dissolved MtBE offsite and downgradient of the site. Additionally, historic Sanborn maps, aerial photographs and record search data suggest the possibility of an offsite hydrocarbon source on the North side of Pacific Street. Additional investigation is warranted to determine the nature and extent of these findings. Three separate Work Plans have been prepared for Alameda County Department of Public Health review for this activity.

## RECENT CORRESPONDENCE

1. A Work Plan prepared by ATC Associates titled *Work Plan Addendum – Site Assessment Activity* dated May 17, 2005 was submitted to the Alameda County Department of Public Health. No response has been received at this time.
2. A Work Plan prepared by ATC Associates titled *Work Plan Subsurface Investigation* dated September 26, 2005 was submitted to the Alameda County Department of Public Health.

## THIS QUARTER ACTIVITIES (Third Quarter 2005)

The monitoring well network was sampled by TRC on July 27, 2005.

An aerial photo and Sanborn Map survey was completed along with historic offsite property owner research to determine the potential for offsite hydrocarbon sources. The data suggested the possibility for several potential offsite hydrocarbon sources across Pacific Avenue. Additional subsurface investigation is warranted to validate this information.

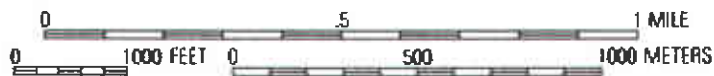
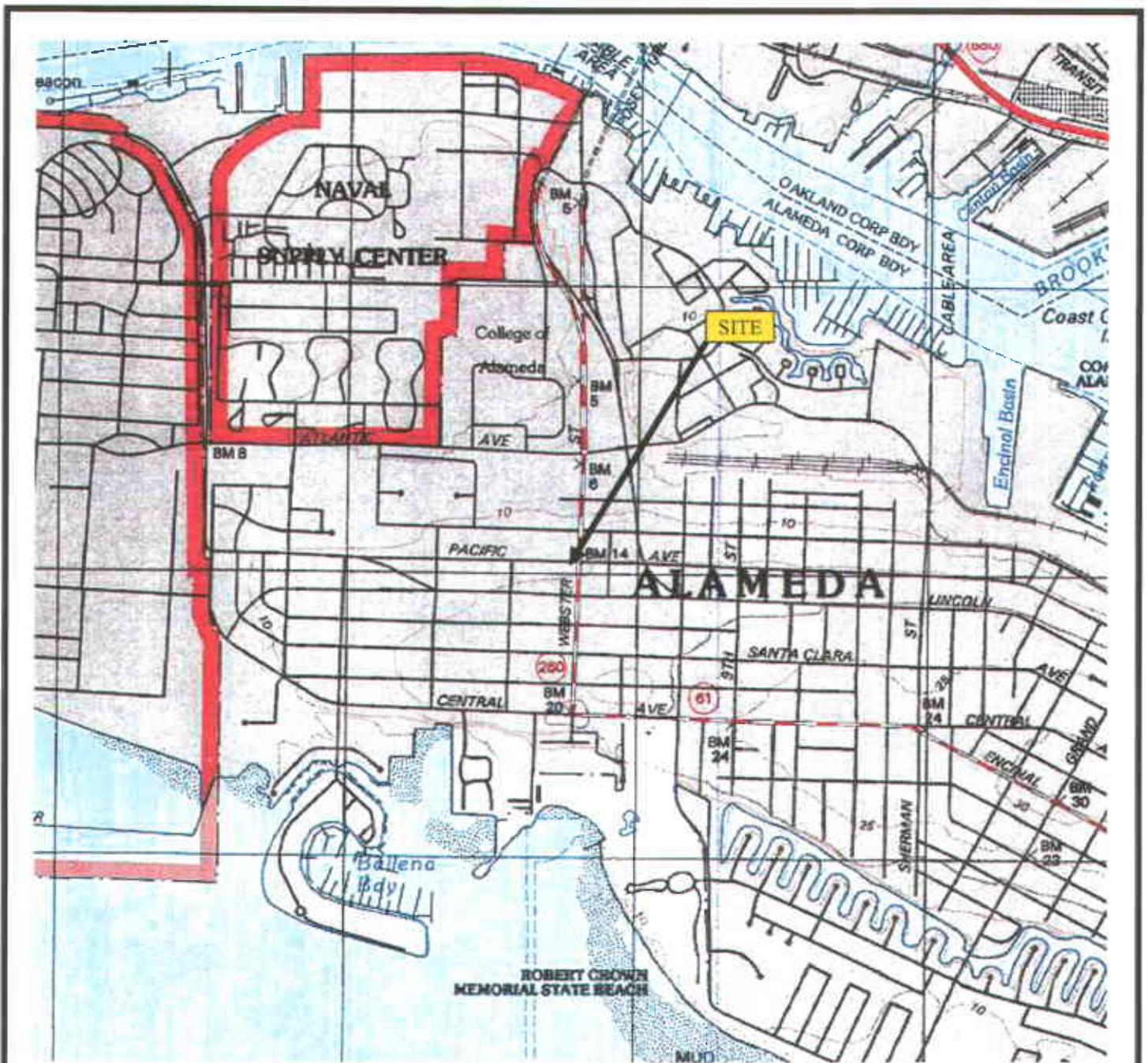
## WASTE DISPOSAL SUMMARY

No waste was generated during this reporting period.

## NEXT QUARTER ACTIVITIES (Fourth Quarter 2005)

1. The well network will be sampled by TRC.
2. Further onsite and offsite hydrocarbon delineation is planned upon approval of the outstanding Work plans.

**CONSULTANT:** ATC Associates Inc.



SOURCE: USGS OAKLAND EAST QUADRANGLE, CALIFORNIA (7.5 MINUTE SERIES) TOPOGRAPHIC MAP. OBTAINED FROM THE 2000 NATIONAL GEOGRAPHIC TOPOI SOFTWARE.



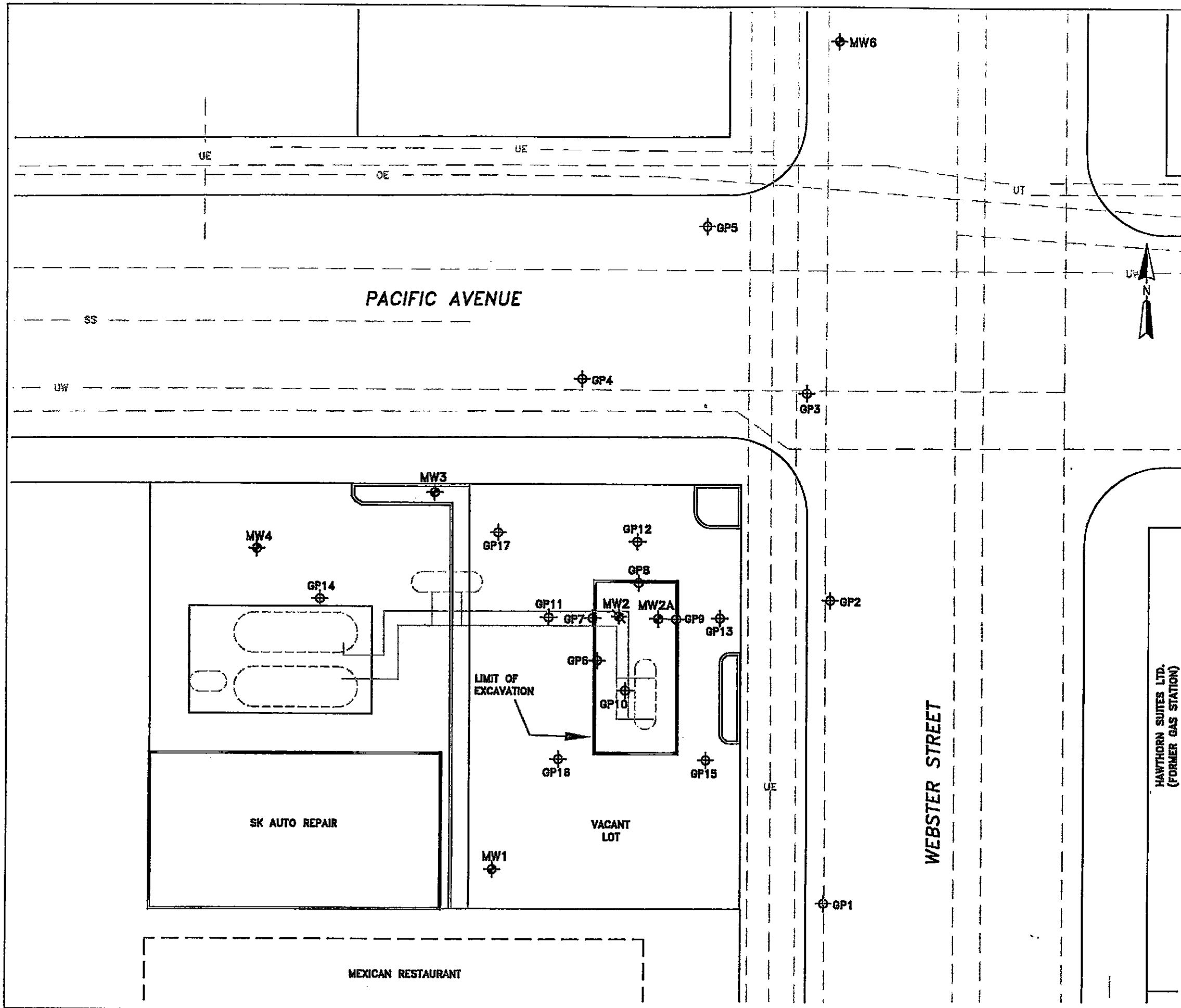
6602 Owens Drive, Suite 100  
 Pleasanton, CA 94588  
 (925) 460-5300

PROJECT NO: 75.75118.2807

DESIGNED BY: DE	SCALE: N/A	REVIEWED BY: DE
DRAWN BY: EC	DATE: 03/05	FILE: 0843 SITE VIC

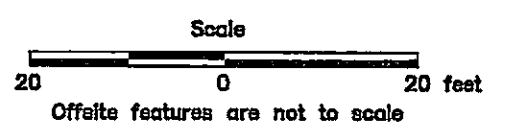
FIGURE 1  
**SITE VICINITY MAP**

76 STATION 82349 (0843)  
 1629 WEBSTER STREET  
 ALAMEDA, CALIFORNIA



**LEGEND**

- MW1 ⊕ GROUNDWATER MONITOR WELL
- MW2 ✖ DESTROYED WELL
- GP1 ⊕ SOIL BORING
- MW ⊕ MONITOR WELL INSTALLED BY OTHERS
- FORMER DISPENSER ISLAND
- FORMER USED OIL UST
- FORMER GASOLINE UNDERGROUND STORAGE TANK (UST)
- FORMER PRODUCT LINES
- UE — UNDERGROUND ELECTRIC
- UT — UNDERGROUND TELEPHONE
- UG — UNDERGROUND GAS
- UC — UNDERGROUND TELECOMMUNICATION CABLE
- OE — OVERHEAD ELECTRIC
- UW — UNDERGROUND WATER
- SS — SANITARY SEWER
- SD — STORM DRAIN



BASE MAP REFERENCE:  
 MODIFIED FROM SITE PLAN SUPPLIED BY  
 MILLER BROOKS, ENVIRONMENTAL, INC.



8602 Owens Drive, Suite 100  
 Pleasanton, CA 94588  
 (925) 480-8300

SCALE AS SHOWN	DRAWING DATE 07/15/05	ACAD FILE 0843-site plan
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**SITE MAP**

CLIENT	CONOCOPHILLIPS	PM DAE
LOCATION	76 STATION 0843 1629 WEBSTER STREET ALAMEDA, CALIFORNIA	PE DA
DESIGNED	DRAWN BY: EC	PROJECT NO. 75.75118.2807
		FIGURE 2

HAWTHORN SUITES LTD.  
 (FORMER GAS STATION)

WEBSTER STREET

# TRC

Customer-Focused Solutions

September 12, 2005

ConocoPhillips Company  
76 Broadway  
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

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

RE: QUARTERLY MONITORING REPORT  
JULY THROUGH SEPTEMBER 2005

Dear Mr. Kosel:

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) 753-0101.

Sincerely,

TRC



Anju Farfan  
QMS Operations Manager

CC: Mr. Dave Evans, ATC Associates Inc. (3 copies)

Enclosures  
20-0400/0843R08.QMS





Customer-Focused Solutions

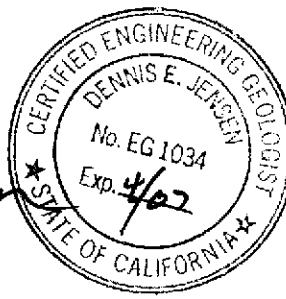
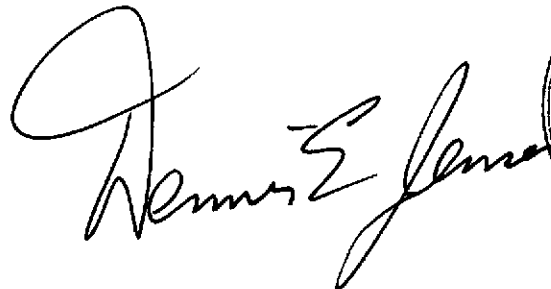
**QUARTERLY MONITORING REPORT  
JULY THROUGH SEPTEMBER 2005**

Former 76 Station 0843  
1629 Webster Street  
Alameda, California

Prepared For:

Mr. Thomas H. Kosel  
ConocoPhillips Company  
76 Broadway  
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations  
September 2, 2005

## LIST OF ATTACHMENTS

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

**Summary of Gauging and Sampling Activities  
July 2005 through September 2005  
Former 76 Station 0843  
1629 Webster Street  
Alameda, CA**

Project Coordinator: **Thomas Kosel**  
Telephone: **916-558-7666**

Water Sampling Contractor: **TRC**  
Compiled by: **Valentina Tobon**

Date(s) of Gauging/Sampling Event: **07/27/05**

**Sample Points**

Groundwater wells: **4** onsite, **2** offsite      Wells gauged: **6**      Wells sampled: **5**  
Purging method: **Diaphragm pump/bailer**  
Purge water disposal: **Onyx/Rodeo Unit 100**  
Other Sample Points: **0**      Type: **n/a**

**Liquid Phase Hydrocarbons (LPH)**

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

**Hydrogeologic Parameters**

Depth to groundwater (below TOC):      Minimum: **5.31 feet**      Maximum: **6.52 feet**  
Average groundwater elevation (relative to available local datum): **9.07 feet**  
Average change in groundwater elevation since previous event: **-0.58 feet**  
Interpreted groundwater gradient and flow direction:  
    Current event: **0.004 ft/ft, northeast**  
    Previous event: **0.006 ft/ft, northeast (05/17/05)**

**Selected Laboratory Results**

Wells with detected **Benzene**: **1**      Wells above MCL (1.0 µg/l): **0**  
    Maximum reported benzene concentration: **0.66 µg/l (MW-2A)**  
  
Wells with **TPPH 8260B**: **0**  
Wells with **MTBE**: **2**      Maximum: **1,100 µg/l (MW-6)**

**Notes:**

MW-1=Sampled Annually,

# TABLES

## TABLE KEY

### STANDARD ABBREVIATIONS

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

### ANALYTES

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

### NOTES

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

### REFERENCE

TRC began groundwater monitoring and sampling for 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**  
**July 27, 2005**  
**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 (µg/l)	TPPH 8260B (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>												
07/27/05	16.18	6.52	0.00	9.66	-0.69	--	--	--	--	--	--	--	--	Sampled Annually
<b>MW-2A</b>		<b>(Screen Interval in feet: 5-11.5)</b>												
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	
<b>MW-3</b>		<b>(Screen Interval in feet: 5.0-20.0)</b>												
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	
<b>MW-4</b>		<b>(Screen Interval in feet: 5.0-20.5)</b>												
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	
<b>MW-5</b>		<b>(Screen Interval in feet: 5-20)</b>												
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	
<b>MW-6</b>		<b>(Screen Interval in feet: 5-20)</b>												
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	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through July 2005**  
**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 (µg/l)	TPPH 8260B (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
09/17/04	16.18	7.58	0.00	8.60	-0.97	--	--	--	--	--	--	--	--	Sampled Annually
12/11/04	16.18	6.49	0.00	9.69	1.09	--	--	--	--	--	--	--	--	Sampled Annually

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through July 2005**  
**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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-1 continued</b>														
03/15/05	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 annually
07/27/05	16.18	6.52	0.00	9.66	-0.69	--	--	--	--	--	--	--	--	Sampled Annually
<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	
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	



**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through July 2005**  
**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 (µg/l)	TPPH 8260B (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>														
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	
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	
<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	--	
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	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through July 2005**  
**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 (µg/l)	TPPH 8260B (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>														
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	
<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	--	
05/23/01	15.17	5.78	0.00	9.39	-0.77	ND	--	ND	ND	ND	ND	ND	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through July 2005**  
**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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-4 continued</b>														
09/24/01	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	--	
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	--	
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	--	
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	--	
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	--	
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	--	
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	--	
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	--	
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	--	
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	
<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	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through July 2005**  
**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 (µg/l)	TPPH 8260B (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>														
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	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - paved over
09/03/02	13.34	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - 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	--	
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	
<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	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1999 Through July 2005**  
**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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-6 continued</b>														
03/17/01	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	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - paved over
09/03/02	14.08	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - 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	
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	

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Former 76 Station 0843**

Date Sampled	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
<b>MW-1</b>							
09/02/99	--	--	ND	ND	ND	ND	ND
03/15/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
<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	ND	ND	ND	1300	ND	ND	ND
05/31/00	ND	ND	ND	ND	ND	ND	ND
08/29/00	ND	ND	ND	250	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<100	ND<100	ND<100	ND<5000	ND<100	ND<100	ND<5000000
12/10/01	ND<25	ND<25	ND<25	ND<500	ND<25	ND<25	ND<12000000
03/11/02	ND<20	ND<20	ND<20	ND<1000	ND<20	ND<20	ND<5000000
06/07/02	ND<25	ND<25	ND<25	ND<1000	ND<25	ND<25	ND<2000000
09/03/02	ND<20	ND<20	ND<20	ND<1000	ND<20	ND<20	ND<5000000
<b>MW-2a</b>							
12/12/02	2.3	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500000
03/13/03	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500000
06/12/03	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500000
09/12/03	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
12/31/03	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
02/12/04	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
06/07/04	ND<0.5	ND<0.5	ND<1	ND<12	ND<1	ND<1	ND<800
09/17/04	--	--	ND<0.50	6.7	ND<1.0	ND<0.50	ND<50
12/11/04	--	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Former 76 Station 0843**

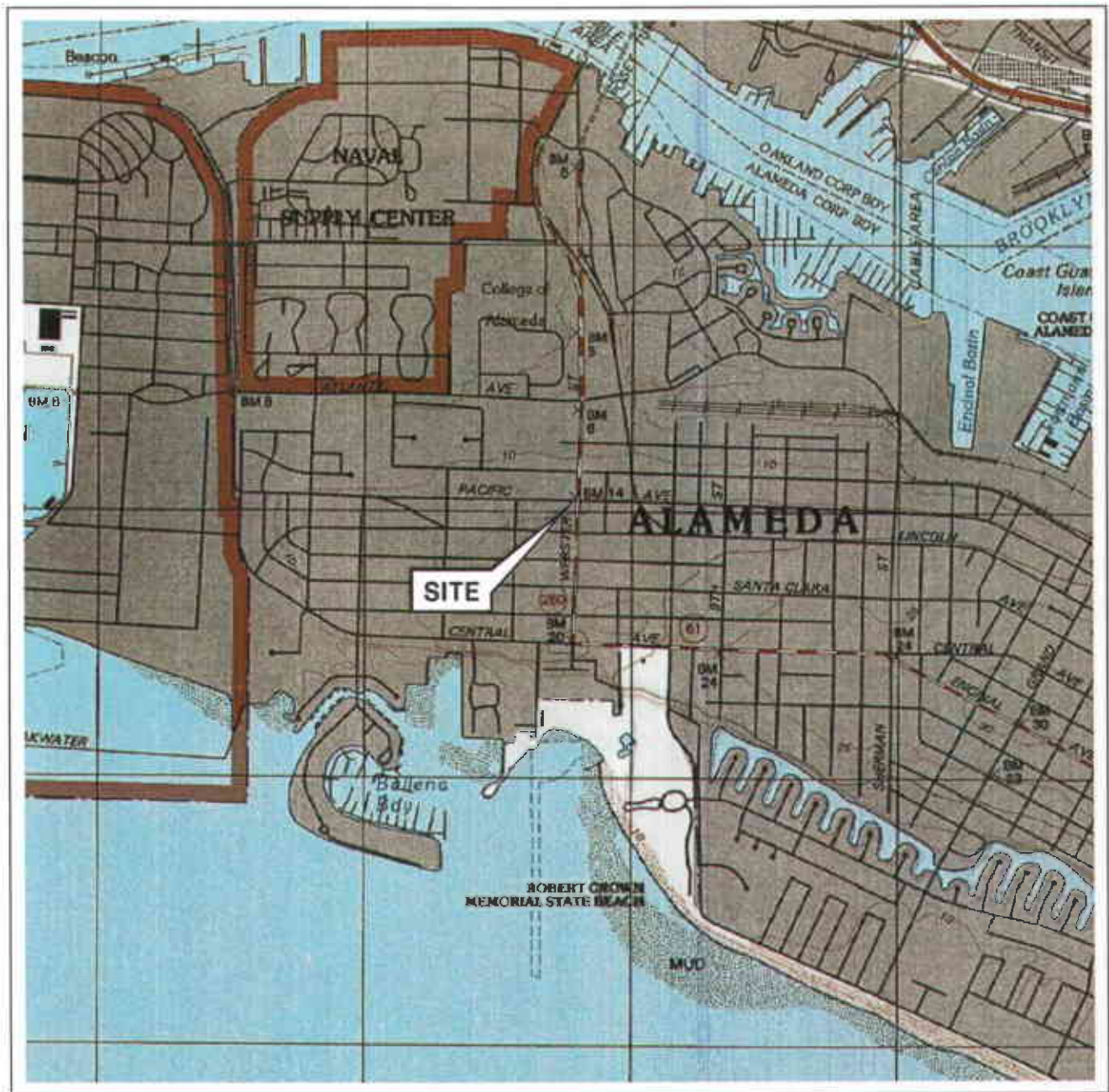
Date Sampled	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
<b>MW-2A continued</b>							
03/15/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
05/17/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
07/27/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
<b>MW-3</b>							
09/02/99	--	--	ND	ND	ND	ND	ND
03/11/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
05/17/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
07/27/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
<b>MW-4</b>							
09/02/99	--	--	ND	ND	ND	ND	ND
12/10/01	ND<14	ND<14	ND<14	ND<290	ND<14	ND<14	ND<7100000
12/12/02	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500000
09/12/03	--	--	--	--	--	--	ND<500
09/17/04	--	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50
12/11/04	--	--	ND<2.5	ND<25	ND<5.0	ND<2.5	ND<250
03/11/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
05/17/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
07/27/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
<b>MW-5</b>							
09/12/03	--	--	--	--	--	--	ND<500
03/11/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
05/17/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
07/27/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
<b>MW-6</b>							
03/17/01	219	ND	ND	ND	ND	ND	ND

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Former 76 Station 0843**

Date Sampled	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
<b>MW-6 continued</b>							
09/24/01	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000000
12/10/01	ND<25	ND<25	ND<25	ND<500	ND<25	ND<25	ND<12000000
03/11/02	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500000
12/12/02	ND<200	ND<200	ND<200	ND<10000	ND<200	ND<200	ND<50000000
03/13/03	ND<100	ND<100	ND<100	ND<5000	ND<100	ND<100	ND<25000000
06/12/03	ND<40	ND<40	ND<40	ND<2000	ND<40	ND<40	ND<10000000
09/12/03	--	--	--	--	--	--	ND<2500
02/12/04	ND<40	ND<40	ND<40	ND<2000	ND<40	ND<40	ND<10000
06/07/04	ND<5	ND<5	ND<10	ND<200	ND<10	ND<10	ND<8000
09/17/04	--	--	ND<10	ND<100	ND<20	ND<10	ND<1000
12/11/04	--	--	ND<10	ND<100	ND<20	ND<10	ND<1000
03/11/05	--	--	ND<10	ND<100	ND<10	ND<10	ND<1000
05/17/05	--	--	ND<10	ND<100	ND<10	ND<10	ND<1000
07/27/05	--	--	ND<10	ND<100	ND<10	ND<10	ND<1000



# FIGURES



SCALE 1:24,000



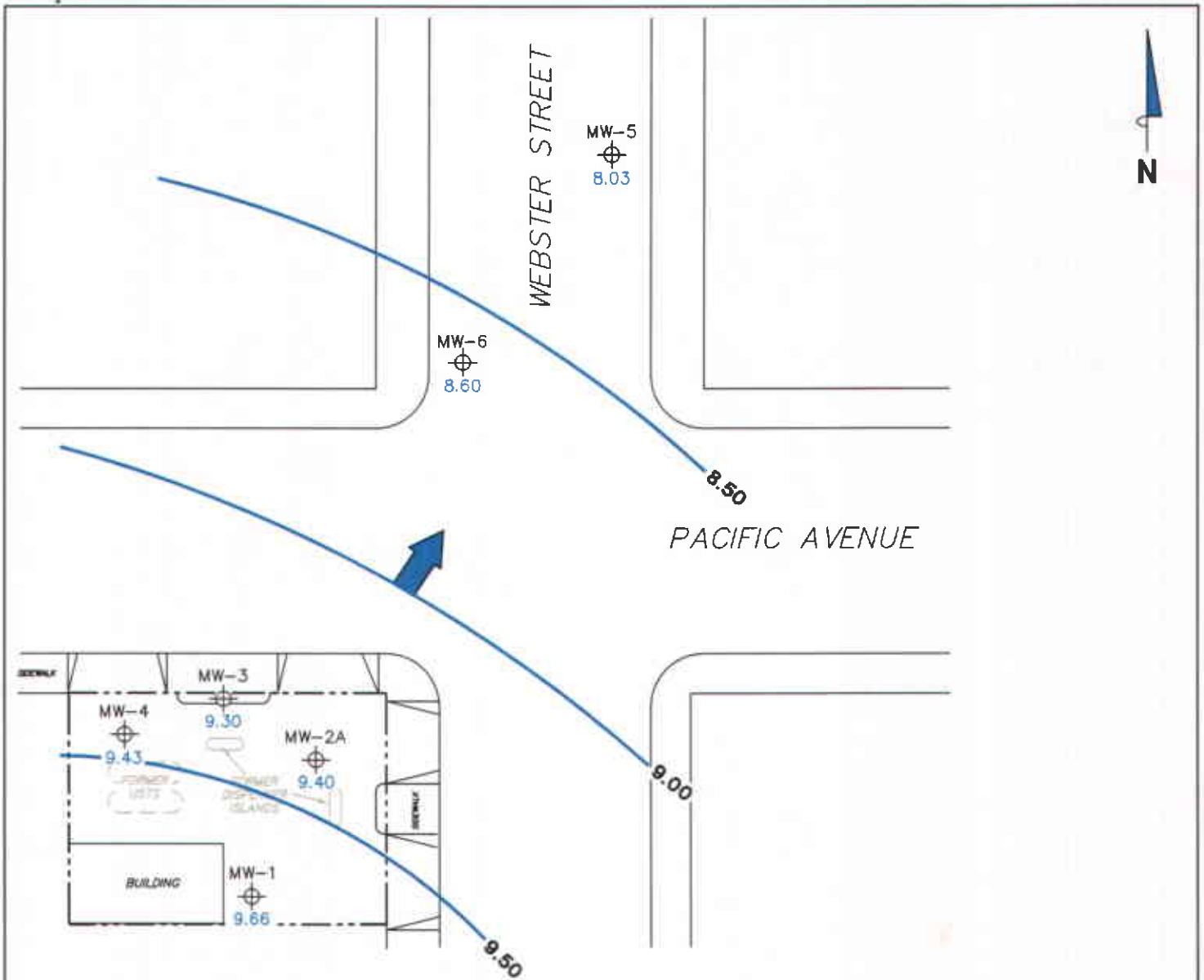
VICINITY MAP

Former 76 Station 0843  
1629 Webster Street  
Alameda, California

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

FIGURE 1








**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.

**LEGEND**

MW-6  Monitoring Well with Groundwater Elevation (feet)

9.50  Groundwater Elevation Contour

 General Direction of Groundwater Flow

**GROUNDWATER ELEVATION  
CONTOUR MAP  
July 27, 2005**

Former 76 Station 0843  
1629 Webster Street  
Alameda, California



SCALE (FEET)



**FIGURE 2**

PS=1:1\_0843-003

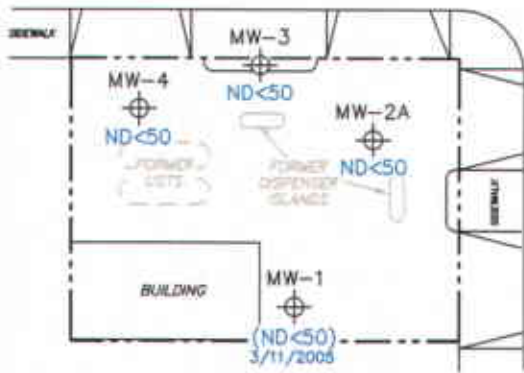
WEBSTER STREET



MW-5  
ND<50

MW-5  
ND<1000

PACIFIC AVENUE



**NOTES:**

TPPH = total purgeable petroleum hydrocarbons.  
 µg/l = micrograms per liter. ND = not detected  
 at limit indicated on official laboratory report.  
 UST = underground storage tank.  
 ( ) = representative of historical value.  
 Results obtained using EPA Method 8260B.

**LEGEND**

MW-6 ⊕ Monitoring Well with  
 Dissolved-Phase TPPH  
 Concentration (µg/l)

**DISSOLVED-PHASE TPPH  
 CONCENTRATIONS MAP  
 July 27, 2005**

Former 76 Station 0843  
 1629 Webster Street  
 Alameda, California

**FIGURE 3**

SCALE (FEET)



PS=1:1 0843-003

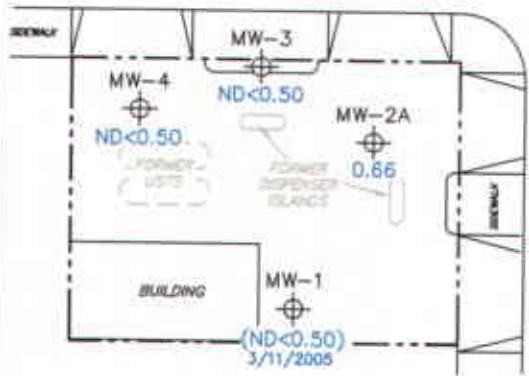


WEBSTER STREET

MW-5  
ND<0.50

MW-6  
ND<0.50

PACIFIC AVENUE



**NOTES:**

$\mu\text{g/l}$  = micrograms per liter. ND = not detected at limit indicated on official laboratory report.  
 ( ) = representative of historical value.  
 UST = underground storage tank. Benzene results obtained using EPA Method 8060B.

**LEGEND**

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

**DISSOLVED-PHASE BENZENE CONCENTRATIONS MAP**  
**July 27, 2005**

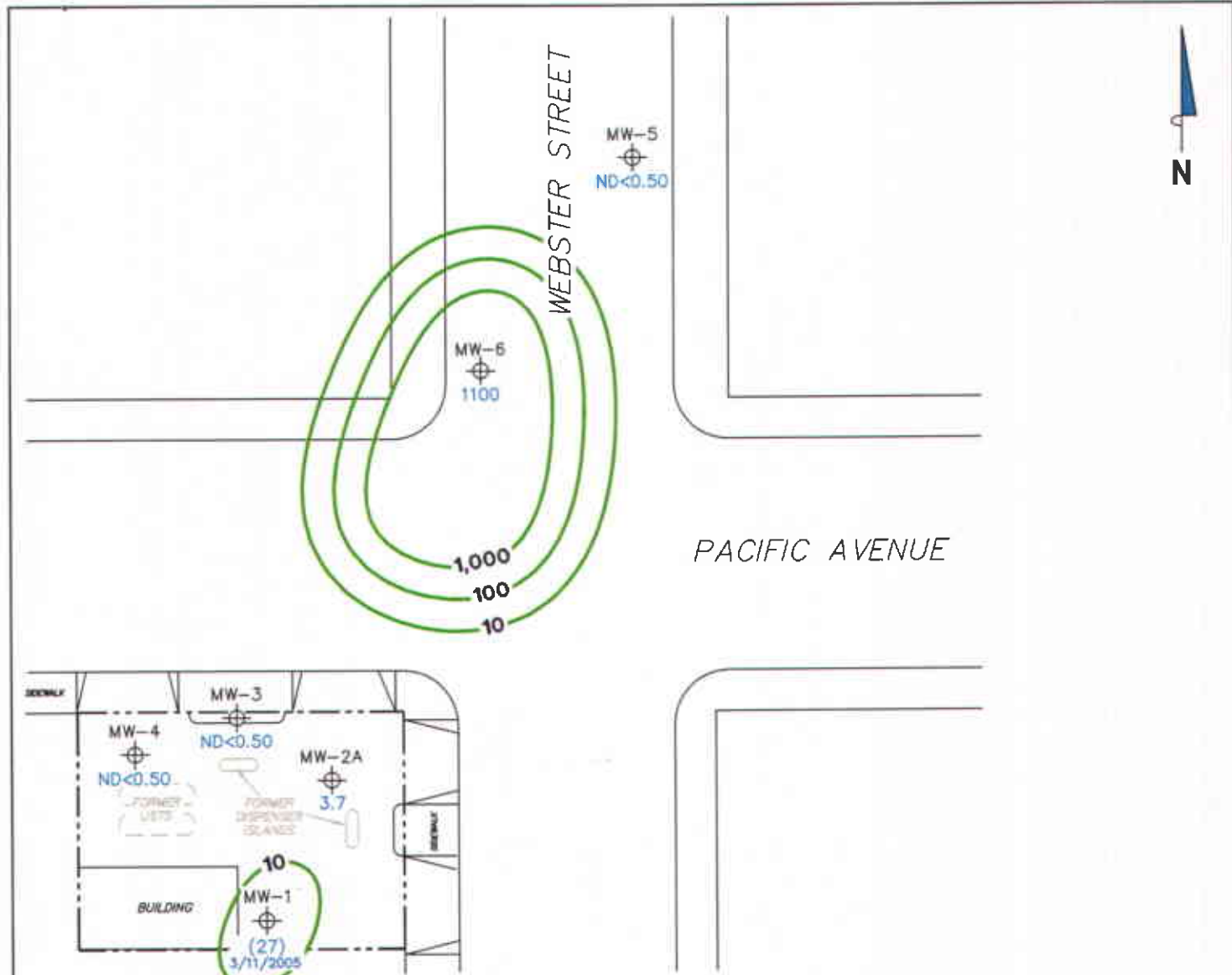
Former 76 Station 0843  
 1629 Webster Street  
 Alameda, California



**FIGURE 4**

PS=1:1 0843-003





**NOTES:**

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

**LEGEND**

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

1,000 Dissolved-Phase MTBE Contour ( $\mu\text{g/l}$ )

**DISSOLVED-PHASE MTBE  
CONCENTRATIONS MAP  
July 27, 2005**

Former 76 Station 0843  
1629 Webster Street  
Alameda, California

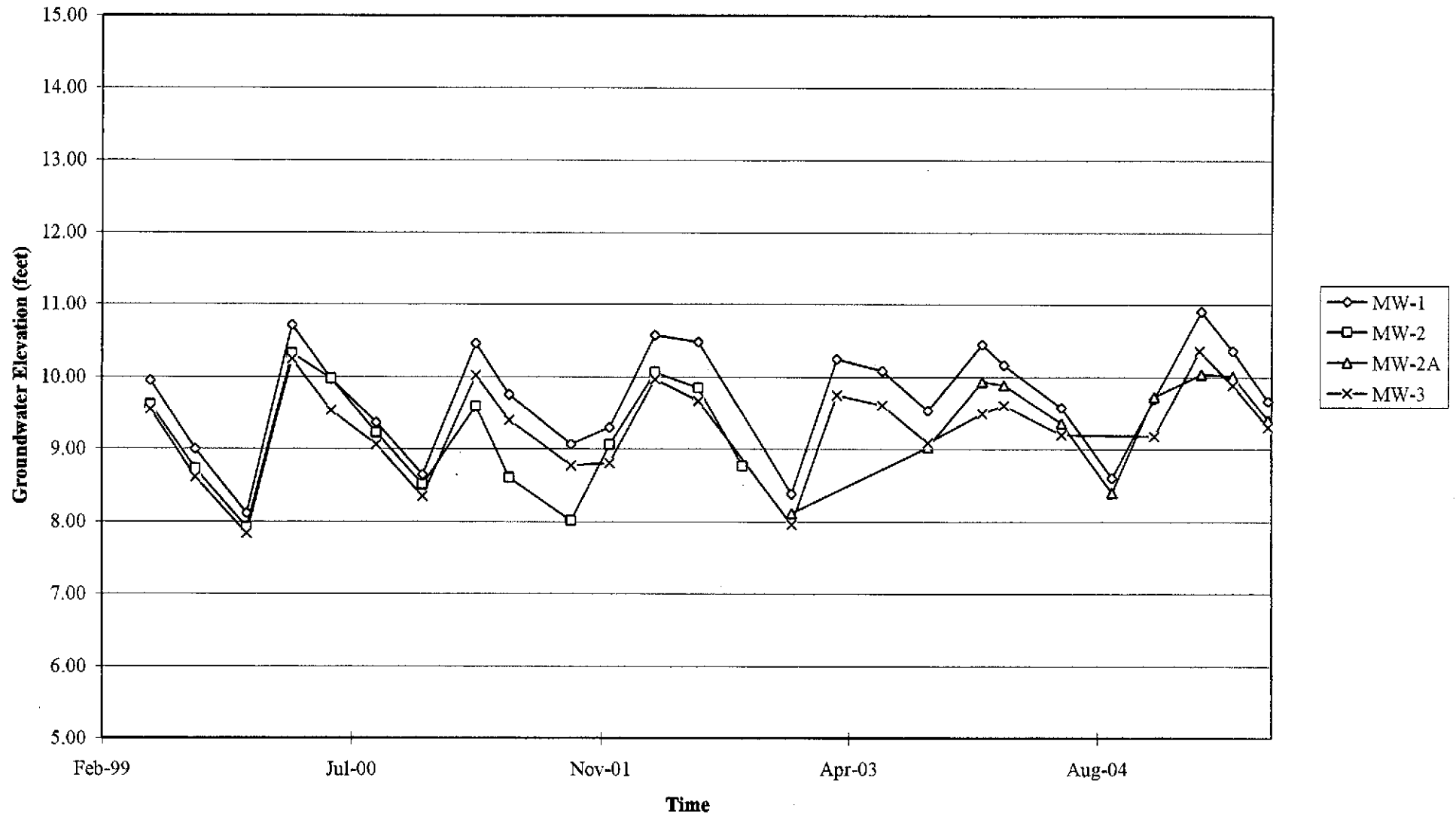


**FIGURE 5**

PS=1:1 0843-003

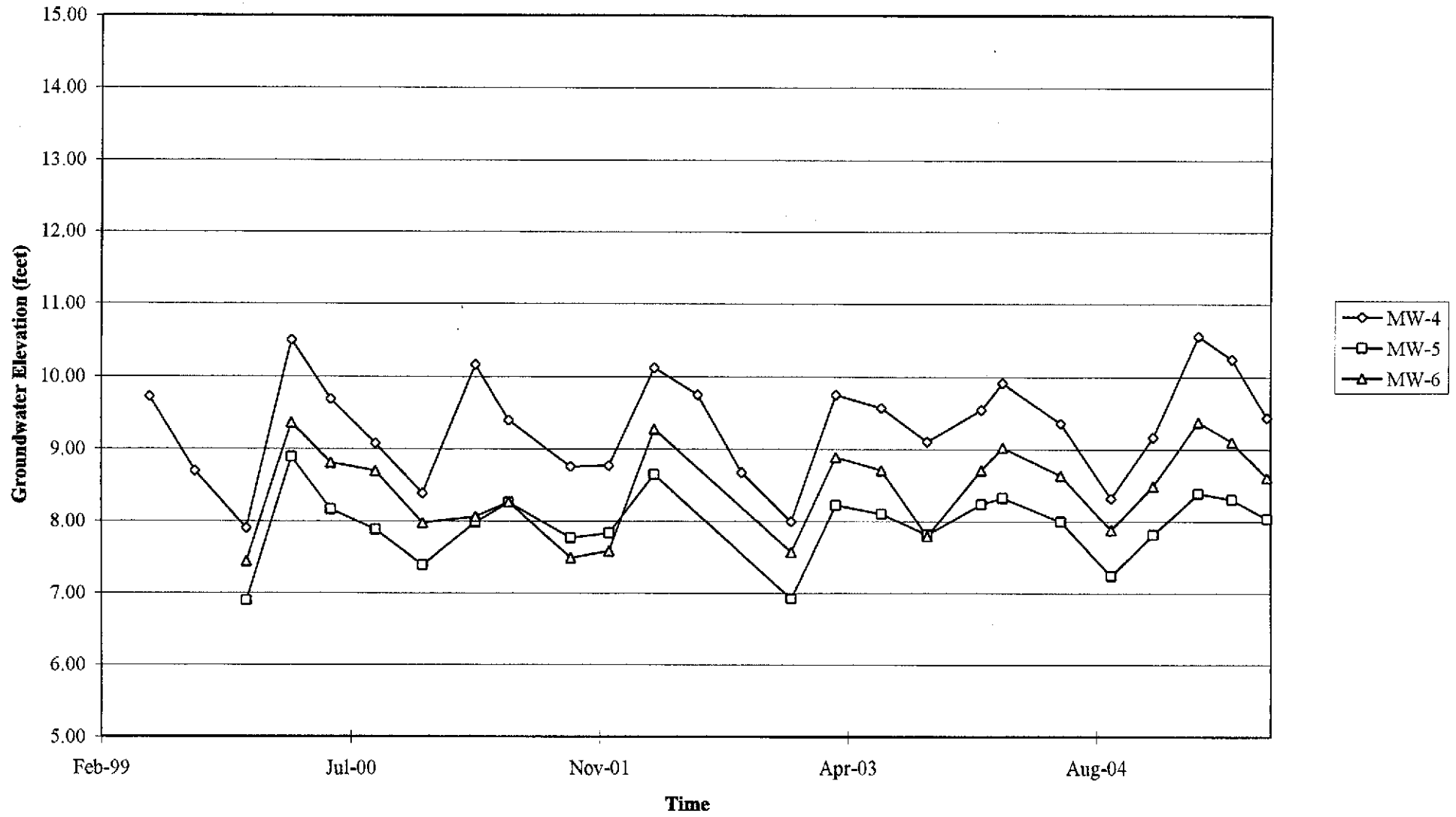
# GRAPHS

Groundwater Elevations vs. Time  
Former 76 Station 0843





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

## **Decontamination**

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

## **Exceptions**

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



GROUNDWATER SAMPLING FIELD NOTES

Technician: Danie/Nick

Site: 0843

Project No.: 41050001

Date: 7-27-05

Well No.: MW-5

Purge Method: Dia

Depth to Water (feet): 5.31

Depth to Product (feet): ∅

Total Depth (feet): 19.91

LPH & Water Recovered (gallons): ∅

Water Column (feet): 14.60

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.23

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F.°C)	pH	Turbidity	D.O.
0556			2	372	20.4	6.34		
			4	380	19.8	6.47		
	0607		6					
Static at Time Sampled		Total Gallons Purged		Time Sampled				
6:17		6		0612				
Comments:								

Well No.: MW-4

Purge Method: Dia

Depth to Water (feet): 5.74

Depth to Product (feet): ∅

Total Depth (feet): 19.18

LPH & Water Recovered (gallons): ∅

Water Column (feet): 13.44

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.42

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F.°C)	pH	Turbidity	D.O.
0636			2	1097	21.7	7.04		
			4	1094	21.9	6.63		
	0655		6	1091	22.1	6.69		
Static at Time Sampled		Total Gallons Purged		Time Sampled				
6:33		6		0705				
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: Daniel Inick

Site: 0843

Project No.: 41050001

Date: 7-27-05

Well No.: MW-3

Purge Method: Dia

Depth to Water (feet): 5.81

Depth to Product (feet): Ø

Total Depth (feet): 19.79

LPH & Water Recovered (gallons): Ø

Water Column (feet): 13.98

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.60

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. °C)	pH	Turbidity	D.O.
0725			2	394	20.0	6.38		
			4	390	20.9	6.63		
	0729		6	420	20.5	6.72		
Static at Time Sampled		Total Gallons Purged		Time Sampled				
7:22		6		0738				
Comments:								

Well No.: MW-2A

Purge Method: Dia HB

Depth to Water (feet): 6.16

Depth to Product (feet): Ø

Total Depth (feet): 10.48

LPH & Water Recovered (gallons): Ø

Water Column (feet): 4.32

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 7.02

1 Well Volume (gallons): 1

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. °C)	pH	Turbidity	D.O.
0728			1	674	20.9	11.18		
			2	661	21.2	11.15		
	0737		3	724	20.8	11.24		
Static at Time Sampled		Total Gallons Purged		Time Sampled				
6:16		3		0755				
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: Daniel Inick

Site: 0843

Project No.: 4105001

Date: 7-27-05

Well No.: MW-6

Purge Method: HB

Depth to Water (feet): 5.48

Depth to Product (feet): 0

Total Depth (feet): 19.82

LPH & Water Recovered (gallons): 0

Water Column (feet): 14.34

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.34

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	Turbidity	D.O.
0643			2	425	18.8	6.33		
			4	428	19.1	6.39		
	0706		6	428	18.9	6.55		
Static at Time Sampled		Total Gallons Purged		Time Sampled				
5.65		6		0717				
Comments:								

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

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

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

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

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

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

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

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

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

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

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



**TRC Alton Geoscience- Irvine**

August 15, 2005

21 Technology Drive  
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20

Project: Conoco Phillips # 0843

Site: 1629 Webster St. Alameda

Attached is our report for your samples received on 07/27/2005 16:45

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/10/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: [dsharma@stl-inc.com](mailto:dsharma@stl-inc.com)

Sincerely,



Dimple Sharma  
Project Manager

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine  
Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-2A	07/27/2005 07:55	Water	1
MW-3	07/27/2005 07:38	Water	2
MW-4	07/27/2005 07:05	Water	3
MW-5	07/27/2005 06:12	Water	4
MW-6	07/27/2005 07:17	Water	5

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine  
Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-2A	Lab ID: 2005-07-0741 - 1
Sampled: 07/27/2005 07:55	Extracted: 8/10/2005 16:15 8/10/2005 16:27
Matrix: Water	QC Batch#: 2005/08/10-1A.65 2005/08/10-1B.64
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	08/10/2005 16:15	
Benzene	0.66	0.50	ug/L	1.00	08/10/2005 16:15	
Toluene	1.1	0.50	ug/L	1.00	08/10/2005 16:15	
Ethylbenzene	1.3	0.50	ug/L	1.00	08/10/2005 16:15	
Total xylenes	4.2	1.0	ug/L	1.00	08/10/2005 16:15	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/10/2005 16:15	
Methyl tert-butyl ether (MTBE)	3.7	0.50	ug/L	1.00	08/10/2005 16:15	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	08/10/2005 16:27	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	08/10/2005 16:15	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	08/10/2005 16:15	
Ethanol	ND	50	ug/L	1.00	08/10/2005 16:15	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.0	73-130	%	1.00	08/10/2005 16:27	
1,2-Dichloroethane-d4	104.0	73-130	%	1.00	08/10/2005 16:15	
Toluene-d8	96.7	81-114	%	1.00	08/10/2005 16:15	
Toluene-d8	86.9	81-114	%	1.00	08/10/2005 16:27	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine  
Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-3	Lab ID:	2005-07-0741 - 2
Sampled:	07/27/2005 07:38	Extracted:	8/7/2005 03:04
Matrix:	Water	QC Batch#:	2005/08/06-V2.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	08/07/2005 03:04	
Benzene	ND	0.50	ug/L	1.00	08/07/2005 03:04	
Toluene	ND	0.50	ug/L	1.00	08/07/2005 03:04	
Ethylbenzene	ND	0.50	ug/L	1.00	08/07/2005 03:04	
Total xylenes	ND	1.0	ug/L	1.00	08/07/2005 03:04	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/07/2005 03:04	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/07/2005 03:04	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	08/07/2005 03:04	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	08/07/2005 03:04	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	08/07/2005 03:04	
Ethanol	ND	50	ug/L	1.00	08/07/2005 03:04	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	82.0	73-130	%	1.00	08/07/2005 03:04	
Toluene-d8	93.0	81-114	%	1.00	08/07/2005 03:04	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-4	Lab ID: 2005-07-0741 - 3
Sampled: 07/27/2005 07:05	Extracted: 8/10/2005 17:43 8/10/2005 16:51
Matrix: Water	QC Batch#: 2005/08/10-1A.65 2005/08/10-1B.64
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	08/10/2005 17:43	
Benzene	ND	0.50	ug/L	1.00	08/10/2005 17:43	
Toluene	ND	0.50	ug/L	1.00	08/10/2005 17:43	
Ethylbenzene	ND	0.50	ug/L	1.00	08/10/2005 17:43	
Total xylenes	ND	1.0	ug/L	1.00	08/10/2005 17:43	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/10/2005 17:43	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/10/2005 17:43	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	08/10/2005 16:51	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	08/10/2005 17:43	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	08/10/2005 17:43	
Ethanol	ND	50	ug/L	1.00	08/10/2005 17:43	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.3	73-130	%	1.00	08/10/2005 16:51	
1,2-Dichloroethane-d4	103.7	73-130	%	1.00	08/10/2005 17:43	
Toluene-d8	92.0	81-114	%	1.00	08/10/2005 17:43	
Toluene-d8	88.5	81-114	%	1.00	08/10/2005 16:51	

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**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20

Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-5	Lab ID:	2005-07-0741 - 4
Sampled:	07/27/2005 06:12	Extracted:	8/10/2005 17:16 8/10/2005 20:33
Matrix:	Water	QC Batch#:	2005/08/10-1B.64 2005/08/10-2A.65
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	08/10/2005 20:33	
Benzene	ND	0.50	ug/L	1.00	08/10/2005 20:33	
Toluene	ND	0.50	ug/L	1.00	08/10/2005 20:33	
Ethylbenzene	ND	0.50	ug/L	1.00	08/10/2005 20:33	
Total xylenes	ND	1.0	ug/L	1.00	08/10/2005 20:33	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/10/2005 20:33	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/10/2005 20:33	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	08/10/2005 17:16	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	08/10/2005 20:33	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	08/10/2005 20:33	
Ethanol	ND	50	ug/L	1.00	08/10/2005 20:33	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.8	73-130	%	1.00	08/10/2005 20:33	
1,2-Dichloroethane-d4	94.4	73-130	%	1.00	08/10/2005 17:16	
Toluene-d8	92.8	81-114	%	1.00	08/10/2005 20:33	
Toluene-d8	90.0	81-114	%	1.00	08/10/2005 17:16	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20

Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-6	Lab ID: 2005-07-0741 - 5
Sampled: 07/27/2005 07:17	Extracted: 8/7/2005 04:17 8/10/2005 15:08
Matrix: Water	QC Batch#: 2005/08/06-V2.64 2005/08/10-1A.68
Analysis Flag: L2, pH: <2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1000	ug/L	20.00	08/07/2005 04:17	
Benzene	ND	0.50	ug/L	1.00	08/10/2005 15:08	
Toluene	ND	0.50	ug/L	1.00	08/10/2005 15:08	
Ethylbenzene	ND	0.50	ug/L	1.00	08/10/2005 15:08	
Total xylenes	ND	1.0	ug/L	1.00	08/10/2005 15:08	
tert-Butyl alcohol (TBA)	ND	100	ug/L	20.00	08/07/2005 04:17	
Methyl tert-butyl ether (MTBE)	1100	10	ug/L	20.00	08/07/2005 04:17	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	20.00	08/07/2005 04:17	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	20.00	08/07/2005 04:17	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	20.00	08/07/2005 04:17	
Ethanol	ND	1000	ug/L	20.00	08/07/2005 04:17	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	76.6	73-130	%	20.00	08/07/2005 04:17	
1,2-Dichloroethane-d4	101.4	73-130	%	1.00	08/10/2005 15:08	
Toluene-d8	94.8	81-114	%	20.00	08/07/2005 04:17	
Toluene-d8	106.3	81-114	%	1.00	08/10/2005 15:08	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Method Blank	Water		QC Batch # 2005/08/06-V2.64
MB: 2005/08/06-V2.64-031			Date Extracted: 08/06/2005 18:31

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	08/06/2005 18:31	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/06/2005 18:31	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/06/2005 18:31	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	08/06/2005 18:31	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	08/06/2005 18:31	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	08/06/2005 18:31	
Benzene	ND	0.5	ug/L	08/06/2005 18:31	
Toluene	ND	0.5	ug/L	08/06/2005 18:31	
Ethylbenzene	ND	0.5	ug/L	08/06/2005 18:31	
Total xylenes	ND	1.0	ug/L	08/06/2005 18:31	
Ethanol	ND	50	ug/L	08/06/2005 18:31	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	95.4	73-130	%	08/06/2005 18:31	
Toluene-d8	94.0	81-114	%	08/06/2005 18:31	



**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20

Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method Blank	Water	QC Batch # 2005/08/10-1A.65
MB: 2005/08/10-1A.65-043		Date Extracted: 08/10/2005 09:43

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	08/10/2005 09:43	
Benzene	ND	0.5	ug/L	08/10/2005 09:43	
Toluene	ND	0.5	ug/L	08/10/2005 09:43	
Ethylbenzene	ND	0.5	ug/L	08/10/2005 09:43	
Total xylenes	ND	1.0	ug/L	08/10/2005 09:43	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/10/2005 09:43	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/10/2005 09:43	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	08/10/2005 09:43	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	08/10/2005 09:43	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	08/10/2005 09:43	
Ethanol	ND	50	ug/L	08/10/2005 09:43	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	100.8	73-130	%	08/10/2005 09:43	
Toluene-d8	94.8	81-114	%	08/10/2005 09:43	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Conoco Phillips # 0843

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Site: 1629 Webster St. Alameda

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Method Blank		Water	QC Batch # 2005/08/10-1A.68
MB: 2005/08/10-1A.68-002			Date Extracted: 08/10/2005 08:02

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	08/10/2005 08:02	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/10/2005 08:02	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	08/10/2005 08:02	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	08/10/2005 08:02	
Benzene	ND	0.5	ug/L	08/10/2005 08:02	
Toluene	ND	0.5	ug/L	08/10/2005 08:02	
Ethylbenzene	ND	0.5	ug/L	08/10/2005 08:02	
Total xylenes	ND	1.0	ug/L	08/10/2005 08:02	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	106.7	73-130	%	08/10/2005 08:02	
Toluene-d8	100.9	81-114	%	08/10/2005 08:02	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Batch QC Report					
Prep(s): 5030B			Test(s): 8260B		
Method Blank			Water		
MB: 2005/08/10-1B.64-013			QC Batch # 2005/08/10-1B.64		
			Date Extracted: 08/10/2005 09:13		
Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	08/10/2005 09:13	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/10/2005 09:13	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/10/2005 09:13	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	08/10/2005 09:13	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	08/10/2005 09:13	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	08/10/2005 09:13	
Benzene	ND	0.5	ug/L	08/10/2005 09:13	
Toluene	ND	0.5	ug/L	08/10/2005 09:13	
Ethylbenzene	ND	0.5	ug/L	08/10/2005 09:13	
Total xylenes	ND	1.0	ug/L	08/10/2005 09:13	
Ethanol	ND	50	ug/L	08/10/2005 09:13	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	91.8	73-130	%	08/10/2005 09:13	
Toluene-d8	91.0	81-114	%	08/10/2005 09:13	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method Blank	Water	QC Batch # 2005/08/10-2A.65
MB: 2005/08/10-2A.65-058		Date Extracted: 08/10/2005 19:58

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	08/10/2005 19:58	
Benzene	ND	0.5	ug/L	08/10/2005 19:58	
Toluene	ND	0.5	ug/L	08/10/2005 19:58	
Ethylbenzene	ND	0.5	ug/L	08/10/2005 19:58	
Total xylenes	ND	1.0	ug/L	08/10/2005 19:58	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/10/2005 19:58	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/10/2005 19:58	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	08/10/2005 19:58	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	08/10/2005 19:58	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	08/10/2005 19:58	
Ethanol	ND	50	ug/L	08/10/2005 19:58	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	95.2	73-130	%	08/10/2005 19:58	
Toluene-d8	93.2	81-114	%	08/10/2005 19:58	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2005/08/06-V2.64			
LCS		2005/08/06-V2.64-058		Extracted: 08/06/2005		Analyzed: 08/06/2005 18:58			
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	20.7		25	82.8			65-165	20		
Benzene	23.4		25	93.6			69-129	20		
Toluene	24.3		25	97.2			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	435		500	87.0			73-130			
Toluene-d8	463		500	92.6			81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2005/08/10-1A.65			
LCS	2005/08/10-1A.65-011		Extracted: 08/10/2005			Analyzed: 08/10/2005 08:11			
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.2		25	92.8			65-165	20		
Benzene	26.0		25	104.0			69-129	20		
Toluene	26.9		25	107.6			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	454		500	90.8			73-130			
Toluene-d8	488		500	97.6			81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20

Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2005/08/10-1A.68			
LCS		2005/08/10-1A 68-036			Extracted: 08/10/2005		Analyzed: 08/10/2005 07:36		
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	28.5		25	114.0			65-165	20		
Benzene	23.5		25	94.0			69-129	20		
Toluene	24.1		25	96.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	413		500	82.6			73-130			
Toluene-d8	516		500	103.2			81-114			

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**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2005/08/10-1B.64			
LCS	2005/08/10-1B.64-049		Extracted: 08/10/2005			Analyzed: 08/10/2005 08:49			
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	19.7		25	78.8			65-165	20		
Benzene	22.6		25	90.4			69-129	20		
Toluene	22.8		25	91.2			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	411		500	82.2			73-130			
Toluene-d8	446		500	89.2			81-114			

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Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2005/08/10-2A.65			
LCS		2005/08/10-2A.65-032			Extracted: 08/10/2005		Analyzed: 08/10/2005 19:32		
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.7		25	98.8			65-165	20		
Benzene	25.2		25	100.8			69-129	20		
Toluene	25.9		25	103.6			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	446		500	89.2			73-130			
Toluene-d8	479		500	95.8			81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Batch QC Report			
Prep(s):	5030B		Test(s): 8260B
<b>Matrix Spike ( MS / MSD )</b>		<b>Water</b>	<b>QC Batch # 2005/08/06-V2.64</b>
MS/MSD			Lab ID: 2005-07-0729-001
MS: 2005/08/06-V2.64-051		Extracted: 08/06/2005	Analyzed: 08/06/2005 19:51
			Dilution: 1.00
MSD: 2005/08/06-V2.64-016		Extracted: 08/06/2005	Analyzed: 08/06/2005 20:16
			Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	22.6	17.5	ND	25	90.4	70.0	25.4	65-165	20		R4
Benzene	24.3	23.7	ND	25	97.2	94.8	2.5	69-129	20		
Toluene	25.8	23.0	ND	25	103.2	92.0	11.5	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	513	359		500	102.7	71.8		73-130			S8
Toluene-d8	482	428		500	96.4	85.6		81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Batch QC Report			
Prep(s):	5030B	Test(s):	8260B
<b>Matrix Spike ( MS / MSD )</b>		<b>Water</b>	<b>QC Batch # 2005/08/10-1A.65</b>
MS/MSD		Lab ID:	2005-08-0101 - 006
MS:	2005/08/10-1A.65-001	Extracted:	08/10/2005
		Analyzed:	08/10/2005 11:01
		Dilution:	1.00
MSD:	2005/08/10-1A.65-027	Extracted:	08/10/2005
		Analyzed:	08/10/2005 11:27
		Dilution:	1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	19.9	23.7	ND	25	79.6	94.8	17.4	65-165	20		
Benzene	21.4	23.4	ND	25	85.6	93.6	8.9	69-129	20		
Toluene	23.6	24.3	ND	25	94.4	97.2	2.9	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	473	503		500	94.6	100.6		73-130			
Toluene-d8	490	487		500	98.0	97.4		81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20

Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Batch QC Report			
Prep(s):	5030B		Test(s): 8260B
<b>Matrix Spike ( MS / MSD )</b>		<b>Water</b>	<b>QC Batch # 2005/08/10-1A.68</b>
MS/MSD			Lab ID: 2005-07-0807 - 001
MS: 2005/08/10-1A.68-021		Extracted: 08/10/2005	Analyzed: 08/10/2005 10:21
			Dilution: 500.00
MSD: 2005/08/10-1A.68-047		Extracted: 08/10/2005	Analyzed: 08/10/2005 10:47
			Dilution: 500.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	40200	39100	29200	12500	88.0	79.2	10.5	65-165	20		
Benzene	15600	15800	5070	12500	84.2	85.8	1.9	69-129	20		
Toluene	27600	29000	18400	12500	73.6	84.8	14.1	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	439	411		500	87.9	82.2		73-130			
Toluene-d8	500	493		500	99.9	98.6		81-114			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

08/12/2005 12:36

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine  
Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111  
Project: 41050001FA20  
Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Batch QC Report			
Prep(s):	5030B		Test(s): 8260B
<b>Matrix Spike ( MS / MSD )</b>		<b>Water</b>	<b>QC Batch # 2005/08/10-1B.64</b>
<b>MS/MSD</b>			<b>Lab ID: 2005-08-0101 - 003</b>
MS: 2005/08/10-1B.64-055		Extracted: 08/10/2005	Analyzed: 08/10/2005 11:55
			Dilution: 1.00
MSD: 2005/08/10-1B.64-019		Extracted: 08/10/2005	Analyzed: 08/10/2005 12:19
			Dilution: 1.00

Compound	Conc. ug/L		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	25.9	21.3	ND	25	103.6	85.2	19.5	65-165	20		
Benzene	30.0	23.7	ND	25	120.0	94.8	23.5	69-129	20		R4
Toluene	26.8	24.0	ND	25	107.2	96.0	11.0	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	505	505		500	101.0	101.1		73-130			
Toluene-d8	439	464		500	87.7	92.8		81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>	<b>QC Batch # 2005/08/10-2A.65</b>	
MS/MSD			Lab ID: 2005-07-0810-010
MS: 2005/08/10-2A.65-051	Extracted: 08/10/2005	Analyzed:	08/10/2005 21:51
		Dilution:	40.00
MSD: 2005/08/10-2A.65-017	Extracted: 08/10/2005	Analyzed:	08/10/2005 22:17
		Dilution:	40.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	3470	4140	726	1000	274.4	341.4	21.8	65-165	20	M4	M4,R1
Benzene	970	996	ND	1000	97.0	99.6	2.6	69-129	20		
Toluene	968	996	0.548	1000	96.7	99.5	2.9	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	483	520		500	96.6	104.0		73-130			
Toluene-d8	466	464		500	93.2	92.8		81-114			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94568

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

08/12/2005 12:36

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips # 0843

Received: 07/27/2005 16:45

Site: 1629 Webster St. Alameda

**Legend and Notes**

**Analysis Flag**

L2

Reporting limits were raised due to high level of analyte present in the sample.

**Result Flag**

M4

MS/MSD spike recoveries were above acceptance limits. See blank spike (LCS).

R1

Analyte RPD was out of QC limits.

R4

RPD exceeded method control limit; % recoveries within limits.

S8

Surrogate recoveries lower than acceptance limits.



STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

# ConocoPhillips Chain Of Custody Record

116366

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

2005-07-0741

CONOCOPHILLIPS  
Attn: Dee Hutchinson  
3811 South Harbor, Suite 200  
Santa Ana, CA, 92704

ConocoPhillips Work Order Number

28077C 501

ConocoPhillips Cost Object

DATE 7-27-05

PAGE 1 of 1

SAMPLING COMPANY: TRC		Valid Value To:	CONOCOPHILLIPS SITE NUMBER: 0843	GLOBAL ID NO. TobMm72.63
ADDRESS: 21 Technology Drive, Irvine CA 92618		UTB ADDRESS (Town and City): 1629 Webster St Alameda		CONOCOPHILLIPS SITE MANAGER: Thomas Kosef
PROJECT CONTACT (Please copy or PDF Report to): Anju Farfan		ESP DELIVERABLE TO (PP or Designator): Peter Thomson, TRC p1hmonson@trcsolutions.com		PHONE NO.: 949-341-7408
TELEPHONE: 949-341-7440	FAX: 949-753-0111	E-MAIL: afarfan@trcsolutions.com	LAB USE ONLY	

SAMPLE NAME (if found): Daniel / Nick	CONSULTANT PROJECT NUMBER: 4105001/FA2D	REQUESTED ANALYSES
--	--	--------------------

TURNAROUND TIME (CALENDAR DAYS):  
 14 DAYS  7 DAYS  72 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF BDO IS NEEDED

Field Point name only required if different from Sample ID

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING		MATRIX	NO. OF CONT.	B015m - TPHd Extractable	B260B - TPHg/BTEX/MBE	B260B - TPHg/BTEX/8 Oxygenates	B260B - TPHg/BTEX/8 pygenates + methanol (B015M)	B260E - Full Scan VOCs (does not include oxygenates)	B270C - Semi-Volatiles	B015M / B021B - TPHg/BTEX/MBE	Lead <input type="checkbox"/> Total <input type="checkbox"/> TLCL <input type="checkbox"/> TLPL	TPH by B260B	BTEX by B260B	SOPYS + E.T. panel	B015M	TEMPERATURE OR SECURTY C1	
		DATE	TIME																
	MW-2A	7-27	0755	Gw	3														3 VOCs w/HCL
	MW-3		0738																
	MW-4		0705																
	MW-5		0612																
	MW-6		0717																

Prepared by (Signature): Daniel Christopherson	Received by (Signature): Refrigerator	Date: 7-27-05	Time: 1110
Revised by (Signature): Daniel Christopherson	Received by (Signature):	Date: 7/27/05	Time: 1121
Repackaged by (Signature): B. ...	Received by (Signature):	Date: 7/27/05	Time: 1645



## **STATEMENTS**

### **Purge Water Disposal**

Non-hazardous groundwater produced during purging and sampling of monitoring was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., 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 Filter Recycling, Inc.

### **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.