



Customer-Focused Solutions

January 23, 2004

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

RO 450

ATTN: MR. THOMAS KOSEL
SITE: FORMER 76 STATION
1629 WEBSTER STREET
ALAMEDA, CALIFORNIA
RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2003

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: Ms. ^{AG}~~Eva~~ Chu, Alameda County Dept., of Environmental Health
Mr. Dave Vossler, MBE

Enclosures
20-0400/0843R01.QMS





Customer-Focused Solutions

**FOURTH QUARTER 2003
FLUID LEVEL MONITORING AND
GROUNDWATER SAMPLING REPORT**

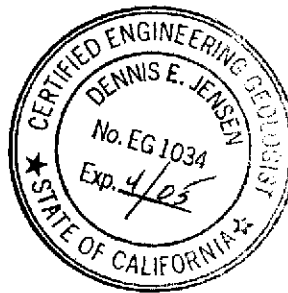
January 23, 2004

Former 76 Station 0843
1629 Webster Street
Alameda, California

Prepared For:

Mr. Thomas Kosel
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations

GROUNDWATER MONITORING REPORT

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Table 1: Summary of Groundwater Levels and Chemical Analysis Results Table 2: Historic Groundwater Levels and Chemical Analysis Results Table 3: Summary of Additional Chemical Analysis Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase Hydrocarbon Concentration Map
Graphs	Benzene Concentrations vs. Time Hydrographs
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Disposal Documents	Statement of Authorized Transportation and Disposal
Statement	Limitations

**Summary of Gauging and Sampling Activities
 October 2003 through December 2003
 Former 76 Station 0843
 1629 Webster Street
 Alameda, CA**

Site Information:

Site:	Former 76 Station 1629 Webster Street Alameda, CA
Project Coordinator/Phone Number:	Thomas Kosel/916-558-7666
Groundwater wells onsite:	4
Groundwater wells offsite:	2

Field Activity:

Sampling consultant:	TRC
Date(s) sampled:	12/31/2003
Groundwater wells gauged:	6
Groundwater wells sampled:	4
Purging method:	diaphragm pump/bailer
Treatment/disposal method during sampling event:	Onyx/Rodeo Unit 100
Free product pumpouts other than sampling event:	No
Treatment/Disposal method during free product pumpouts:	N/A

Site Hydrogeology:

Minimum depth to groundwater (feet bgs):	5.11
Maximum depth to groundwater (feet bgs):	5.74
Average groundwater elevation (feet relative to mean sea level):	9.39
Average change in groundwater elevations since previous event (feet):	0.67
Groundwater gradient and flow direction:	0.007 ft/ft, North

Groundwater Condition (Benzene Maximum Contaminant Level [MCL] = 1.0 µg/l)

Wells with benzene concentrations below MCL:	4
Wells with benzene concentrations at or above MCL:	0
Minimum benzene concentration (µg/l):	ND
Maximum benzene concentration (µg/l):	0.79 (MW-2A)
Minimum MTBE concentration (µg/l):	ND
Maximum MTBE concentration (µg/l):	3800 (MW-6)
Minimum TPH-G concentration (µg/l):	ND
Maximum TPH-G concentration (µg/l):	3300 (MW-6)
Groundwater wells with free product:	0
Minimum free product thickness (feet):	0
Maximum free product thickness (feet):	0

Additional Information:

MW-1=Monitored Only, MW-3=Monitored Only,

This report presents the results of groundwater monitoring and sampling activities performed by TRC. Please contact the primary consultant for other specific information on this site.

TABLES

TABLE KEY

ABBREVIATIONS / SYMBOLS

LPH	=	liquid-phase hydrocarbons
µg/l	=	micrograms per liter
mg/l	=	milligrams per liter
ND	=	not detected at or above laboratory detection limit
DTSC	=	Department of Toxic Substances Control
N/A	=	not applicable
Trace	=	less than 0.01 foot of LPH in well
USTs	=	underground storage tanks
-	=	not analyzed, measured, or collected
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
BTEX	=	benzene, toluene, ethylbenzene, and total xylenes
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TRPH	=	total recoverable petroleum hydrocarbons
MTBE	=	methyl tertiary butyl ether
TAME	=	tertiary amyl methyl ether
ETBE	=	ethyl tertiary butyl ether
DIPE	=	di-isopropyl ether
TBA	=	tertiary butyl alcohol
1,1-DCA	=	1,1-Dichloroethane
1,2-DCA	=	1,2-Dichloroethane
1,1-DCE	=	1,1-Dichloroethene
1,2-DCE	=	cis- and trans-1,2-Dichloroethene
PCE	=	tetrachloroethene
TCA	=	trichloroethane
TCE	=	trichloroethene
PCB	=	polychlorinated biphenyls
TPPH	=	total purgeable petroleum hydrocarbons

NOTES

Elevations are in feet above mean sea level.

Groundwater elevation for wells with LPH is calculated as follows:

$$\text{Surface elevation} - \text{depth to water} + (0.75 \times \text{LPH thickness}).$$

Concentration Graphs have been modified to plot non-detect results at the reporting limit stated in the official laboratory report. All non-detect results prior to the Second Quarter 2000 were plotted at 0.1 µg/l for graphical display.

J = estimated concentration, value is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL)

REFERENCE

TRC began groundwater monitoring and sampling activities in October 2003. Historical data for Former 76 Station 0843 was provided by Gettler-Ryan Inc., Dublin, California, in an excel table received in September 2003.

Table 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
December 31, 2003
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
MW-1		(Screen Interval in feet: 4.5-20.5)												
12/31/03	16.18	5.74	0.00	10.44	0.91	--	--	--	--	--	--	--	--	Monitored Only
MW-2A		(Screen Interval in feet: 5-11.5)												
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	
MW-3		(Screen Interval in feet: 5.0-20.0)												
12/31/03	15.11	5.62	0.00	9.49	0.41	--	--	--	--	--	--	--	--	Monitored Only
MW-4		(Screen Interval in feet: 5.0-20.5)												
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	--	
MW-5		(Screen Interval in feet: 5-20)												
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	--	
MW-6		(Screen Interval in feet: 5-20)												
12/31/03	14.08	5.38	0.00	8.70	0.91	3300	--	ND<25	ND<25	ND<25	ND<25	3800	--	

Table 2
HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

March 1999 Through December 2003

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
MW-1 (Screen Interval in feet: 4.5-20.5)														
6/3/99	16.18	6.24	0.00	9.94	--	ND	--	ND	ND	ND	ND	ND	ND	
9/2/99	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	--	
3/14/00	16.18	5.47	0.00	10.71	2.60	ND	--	ND	ND	ND	ND	ND	--	
5/31/00	16.18	6.22	0.00	9.96	-0.75	ND	--	ND	ND	ND	ND	ND	--	
8/29/00	16.18	6.82	0.00	9.36	-0.60	ND	--	ND	ND	ND	ND	ND	--	
12/1/00	16.18	7.54	0.00	8.64	-0.72	ND	--	ND	ND	ND	ND	ND	--	
3/17/01	16.18	--	0.00	--	--	ND	--	ND	ND	ND	ND	ND	--	
5/23/01	16.18	--	0.00	--	--	ND	--	ND	ND	ND	ND	ND	--	
9/24/01	16.18	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
12/10/01	16.18	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
3/11/02	16.18	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
6/7/02	16.18	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
9/3/02	16.18	--	--	--	--	--	--	--	--	--	--	--	--	
12/12/02	16.18	7.80	0.00	8.38	--	--	--	--	--	--	--	--	--	
3/13/03	16.18	5.94	0.00	10.24	1.86	--	--	--	--	--	--	--	--	
6/12/03	16.18	6.10	0.00	10.08	-0.16	--	--	--	--	--	--	--	--	
9/12/03	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
MW-2 (Screen Interval in feet: DNA)														
3/5/99	15.57	--	0.00	--	--	34400	--	ND	7710	2340	8240	--	8460	
6/3/99	15.57	5.96	0.00	9.61	--	51200	--	ND	7570	2510	7320	6460	8800	
9/2/99	15.57	6.85	0.00	8.72	-0.89	17000	--	ND	3100	1400	3700	4000	720	
12/14/99	15.57	7.65	0.00	7.92	-0.80	83000	--	ND	22000	4500	17000	9100	11000	
3/14/00	15.57	5.26	0.00	10.31	2.39	31000	--	ND	4600	2300	7300	5700	8700	

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
MW-2 continued														
5/31/00	15.57	5.60	0.00	9.97	-0.34	9970	--	ND	1030	487	2060	2500	1670	
8/29/00	15.57	6.35	0.00	9.22	-0.75	7900	--	ND	1500	280	1900	1800	1300	
12/1/00	15.57	7.06	0.00	8.51	-0.71	87500	--	ND	17400	5590	19400	6220	3790	
3/17/01	15.57	--	0.00	--	--	4310	--	ND	59.0	280	682	321	433	
5/23/01	15.57	--	0.00	--	--	45400	--	ND	4490	2790	10900	ND	406	
9/24/01	15.57	--	0.00	--	--	76000	--	ND<0.50	13000	4700	18000	ND<2000	480	
12/10/01	15.57	--	0.00	--	--	82000	--	ND<0.50	9100	4400	16000	ND<2500	270	
3/11/02	15.57	--	0.00	--	--	14000	--	ND<0.50	1400	1100	3600	ND<250	150	
6/7/02	15.57	--	0.00	--	--	14000	--	ND<0.50	1200	1400	4700	540	200	
9/3/02	15.57	--	0.00	--	--	10000	--	--	1200	610	2800	510	460	
MW-2a (Screen Interval in feet: 5-11.5)														
12/12/02	--	--	0.00	--	--	3400	--	80	260	210	1000	380	400	
3/13/03	--	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	1.8	2.4	2.4	
6/12/03	--	--	0.00	--	--	ND<50	--	0.59	0.69	ND<0.50	1.2	6.0	4.7	
9/12/03	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	
MW-3 (Screen Interval in feet: 5.0-20.0)														
3/5/99	15.11	--	0.00	--	--	--	--	ND	ND	ND	4.84	--	2.46	
6/3/99	15.11	5.57	0.00	9.54	--	135	--	ND	ND	ND	ND	5.23	12.7	
9/2/99	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	ND	
3/14/00	15.11	4.87	0.00	10.24	2.41	ND	--	ND	ND	ND	ND	7.2	6.3	
5/31/00	15.11	5.58	0.00	9.53	-0.71	ND	--	ND	ND	ND	ND	ND	ND	
8/29/00	15.11	6.06	0.00	9.05	-0.48	ND	--	ND	ND	ND	ND	ND	ND	
12/1/00	15.11	6.76	0.00	8.35	-0.70	ND	--	ND	ND	ND	ND	ND	ND	
3/17/01	15.11	--	0.00	--	--	ND	--	ND	ND	ND	ND	ND	ND	
5/23/01	15.11	--	0.00	--	--	ND	--	ND	ND	ND	ND	ND	ND	
9/24/01	15.11	--	0.00	--	--	ND	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	
12/10/01	15.11	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	

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
MW-3 continued														
3/11/02	15.11	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	
6/7/02	15.11	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.5	
12/12/02	15.11	7.15	0.00	7.96	--	--	--	--	--	--	--	--	--	
3/13/03	15.11	5.37	0.00	9.74	1.78	--	--	--	--	--	--	--	--	
6/12/03	15.11	5.51	0.00	9.60	-0.14	--	--	--	--	--	--	--	--	
9/12/03	15.11	6.03	0.00	9.08	-0.52	--	--	--	--	--	--	--	6.3	
12/31/03	15.11	5.62	0.00	9.49	0.41	--	--	--	--	--	--	--	--	Monitored Only
MW-4 (Screen Interval in feet: 5.0-20.5)														
3/5/99	15.17	--	0.00	--	--	ND	--	ND	ND	ND	2.44	--	25.2	
6/3/99	15.17	5.45	0.00	9.72	--	ND	--	ND	ND	ND	ND	ND	3.96	
9/2/99	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	
3/14/00	15.17	4.67	0.00	10.50	2.60	ND	--	ND	ND	ND	ND	46	49	
5/31/00	15.17	5.48	0.00	9.69	-0.81	ND	--	ND	ND	ND	ND	ND	--	
8/29/00	15.17	6.10	0.00	9.07	-0.62	ND	--	ND	ND	ND	ND	6.1	3.2	
12/1/00	15.17	6.79	0.00	8.38	-0.69	ND	--	ND	ND	ND	ND	152	101	
3/17/01	15.17	--	0.00	--	--	ND	--	ND	ND	ND	ND	ND	--	
5/23/01	15.17	--	0.00	--	--	ND	--	ND	ND	ND	ND	ND	--	
9/24/01	15.17	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
12/10/01	15.17	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1,700	1,300	
3/11/02	15.17	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
6/7/02	15.17	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
9/3/02	15.17	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/12/02	15.17	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.9	3.3	
3/13/03	15.17	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
6/12/03	15.17	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
9/12/03	15.17	6.07	0.00	9.10	--	--	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	--	
MW-5 (Screen Interval in feet: 5-20)														

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
MW-5 continued														
12/14/99	13.34	6.45	0.00	6.89	--	ND	--	ND	ND	ND	ND	3.5	3.8	
3/14/00	13.34	4.46	0.00	8.88	1.99	ND	--	ND	ND	ND	ND	ND	--	
5/31/00	13.34	5.18	0.00	8.16	-0.72	ND	--	ND	ND	ND	ND	ND	--	
8/29/00	13.34	5.46	0.00	7.88	-0.28	ND	--	ND	ND	ND	ND	ND	--	
12/1/00	13.34	5.95	0.00	7.39	-0.49	ND	--	ND	ND	ND	ND	ND	--	
3/17/01	13.34	--	0.00	--	--	ND	--	ND	ND	ND	ND	ND	--	
5/23/01	13.34	--	0.00	--	--	ND	--	ND	ND	ND	ND	ND	--	
9/24/01	13.34	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
12/10/01	13.34	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
3/11/02	13.34	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
6/7/02	13.34	--	--	--	--	--	--	--	--	--	--	--	--	
9/3/02	13.34	--	--	--	--	--	--	--	--	--	--	--	--	
12/12/02	13.34	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
3/13/03	13.34	--	0.00	--	--	ND<50	--	ND<0.50	0.54	ND<0.50	ND<0.50	ND<2.0	--	
6/12/03	13.34	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
9/12/03	13.34	5.53	0.00	7.81	--	--	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	--	
MW-6 (Screen Interval in feet: 5-20)														
12/14/99	14.08	6.64	0.00	7.44	--	ND	--	ND	ND	ND	ND	11,000	18,000	
3/14/00	14.08	4.72	0.00	9.36	1.92	ND	--	ND	ND	ND	ND	19,000	21,000	
5/31/00	14.08	5.28	0.00	8.80	-0.56	ND	--	ND	ND	ND	ND	13200	--	
8/29/00	14.08	5.39	0.00	8.69	-0.11	ND	--	ND	ND	ND	ND	270	400	
12/1/00	14.08	6.11	0.00	7.97	-0.72	ND	--	ND	ND	ND	ND	6330	3640	
3/17/01	14.08	--	0.00	--	--	18700	--	2950	989	1040	3000	10200	11500	
5/23/01	14.08	--	0.00	--	--	ND	--	ND	ND	ND	ND	4660	--	
9/24/01	14.08	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	160	190	
12/10/01	14.08	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3200	2400	
3/11/02	14.08	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	92	120	
6/7/02	14.08	--	--	--	--	--	--	--	--	--	--	--	--	

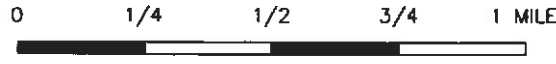
Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
9/3/02	14.08	--	--	--	--	--	--	--	--	--	--	--	--	--
12/12/02	14.08	--	0.00	--	--	590	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1500	6200	
3/13/03	14.08	--	0.00	--	--	1600	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	4900	4100	
6/12/03	14.08	--	0.00	--	--	1600	--	ND<10	ND<10	ND<10	ND<10	5200	3700	
9/12/03	14.08	6.29	0.00	7.79	--	--	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	--	
Trip Blank (Screen Interval in feet: DNA)														
3/5/99	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	ND	
6/3/99	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
9/2/99	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
12/14/99	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
3/14/00	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
5/31/00	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
8/29/00	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
12/1/00	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
3/17/01	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
5/23/01	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
9/24/01	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
12/10/01	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
3/11/02	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
6/7/02	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
9/3/02	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/12/02	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
3/13/03	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<0.50	
6/12/03	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	

Table 3
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
Former 76 Station 0843

Date Sampled	EDC (µg/l)	EDB (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	Ethanol 8260B (µg/l)	1,2 DCE (µg/l)
MW-1									
9/2/99	--	--	ND	ND	ND	ND	ND	--	--
MW-2									
9/2/99	--	--	ND	ND	ND	ND	ND	--	--
12/14/99	--	ND	ND	ND	ND	ND	ND	--	ND
3/14/00	--	ND	ND	1300	ND	ND	ND	--	ND
5/31/00	--	ND	ND	ND	ND	ND	ND	--	ND
8/29/00	--	ND	ND	250	ND	ND	ND	--	ND
12/1/00	--	ND	ND	ND	ND	ND	ND	--	ND
3/17/01	--	ND	ND	ND	14.8	ND	ND	--	ND
5/23/01	--	ND	ND	ND	ND	ND	ND	--	ND
9/24/01	--	ND<100	ND<100	ND<5000	ND<100	ND<100	ND<50000	--	ND<100
12/10/01	--	ND<25	ND<25	ND<500	ND<25	ND<25	ND<12000	--	ND<25
3/11/02	--	ND<20	ND<20	ND<1000	ND<20	ND<20	ND<5000	--	ND<20
6/7/02	--	ND<25	ND<25	ND<1000	ND<25	ND<25	ND<2000	--	ND<25
9/3/02	--	ND<20	ND<20	ND<1000	ND<20	ND<20	ND<5000	--	ND<20
MW-2a									
12/12/02	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	2.3
3/13/03	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	ND<2.0
6/12/03	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	ND<2.0
9/12/03	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500	ND<2.0
12/31/03	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500	--
MW-3									
9/2/99	--	--	ND	ND	ND	ND	ND	--	--
MW-4									
9/2/99	--	--	ND	ND	ND	ND	--	--	--

Date Sampled	EDC (µg/l)	EDB (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	Ethanol 8260B (µg/l)	1,2 DCE (µg/l)
MW-4 continued									
12/10/01	--	ND<14	ND<14	ND<290	ND<14	ND<14	ND<7,100	--	ND<14
12/12/02	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	ND<2.0
9/12/03	--	--	--	--	--	--	--	ND<500	--
MW-5									
9/12/03	--	--	--	--	--	--	--	ND<500	--
MW-6									
3/17/01	--	ND	ND	ND	ND	ND	ND	--	219
9/24/01	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000	--	ND<2.0
12/10/01	--	ND<25	ND<25	ND<500	ND<25	ND<25	ND<12000	--	ND<25
3/11/02	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	ND<2.0
12/12/02	--	ND<200	ND<200	ND<10000	ND<200	ND<200	ND<50000	--	ND<200
3/13/03	--	ND<100	ND<100	ND<5000	ND<100	ND<100	ND<25000	--	ND<100
6/12/03	--	ND<40	ND<40	ND<2000	ND<40	ND<40	ND<10000	--	ND<40
9/12/03	--	--	--	--	--	--	--	ND<2500	--

FIGURES



SCALE 1:24,000



VICINITY MAP

Former 76 Station 0843
1629 Webster Street
Alameda, California

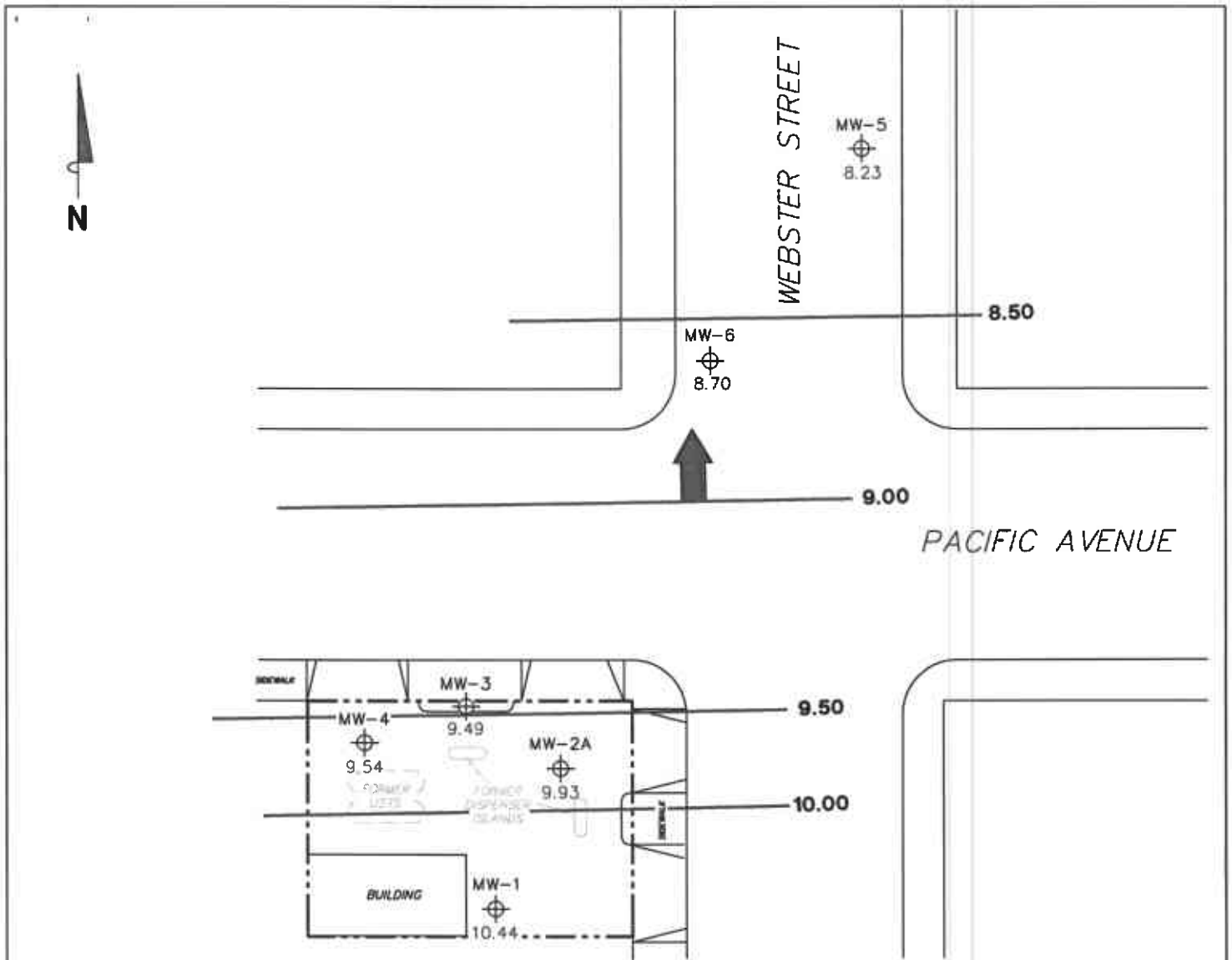
SOURCE:

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

FIGURE 1

TRC

PS = 1:1



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

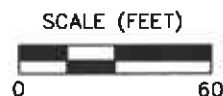
- MW-6 ⊕ Monitoring Well with Groundwater Elevation (feet)
- 10.00 — Groundwater Elevation Contour
- ➔ General Direction of Groundwater Flow

**GROUNDWATER ELEVATION
CONTOUR MAP
December 31, 2003**

Former 76 Station 0843
1629 Webster Street
Alameda, California

FIGURE 2

TRC



PS=1:1

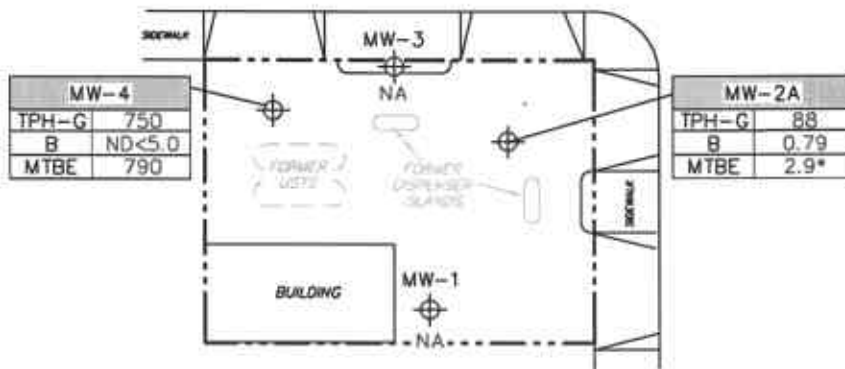


WEBSTER STREET

MW-5	
TPH-G	ND<5.0
B	ND<0.50
MTBE	ND<5.0

MW-6	
TPH-G	3,300
B	ND<25
MTBE	3,800

PACIFIC AVENUE



NOTES:

TPH-G = total petroleum hydrocarbons as gasoline.
 B = benzene. MTBE = methyl tertiary butyl ether.
 $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
 NA = not analyzed, measured, or collected.
 UST = underground storage tank. Results obtained using EPA Method 8021B. * = result obtained using EPA Method 8260B.

LEGEND

Well No.	Monitoring Well with Dissolved-Phase Hydrocarbon Concentrations ($\mu\text{g/l}$)	
TPH-G		$\mu\text{g/l}$
B		$\mu\text{g/l}$
MTBE		$\mu\text{g/l}$

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS MAP
 December 31, 2003

Former 76 Station 0843
 1629 Webster Street
 Alameda, California

TRC

SCALE (FEET)

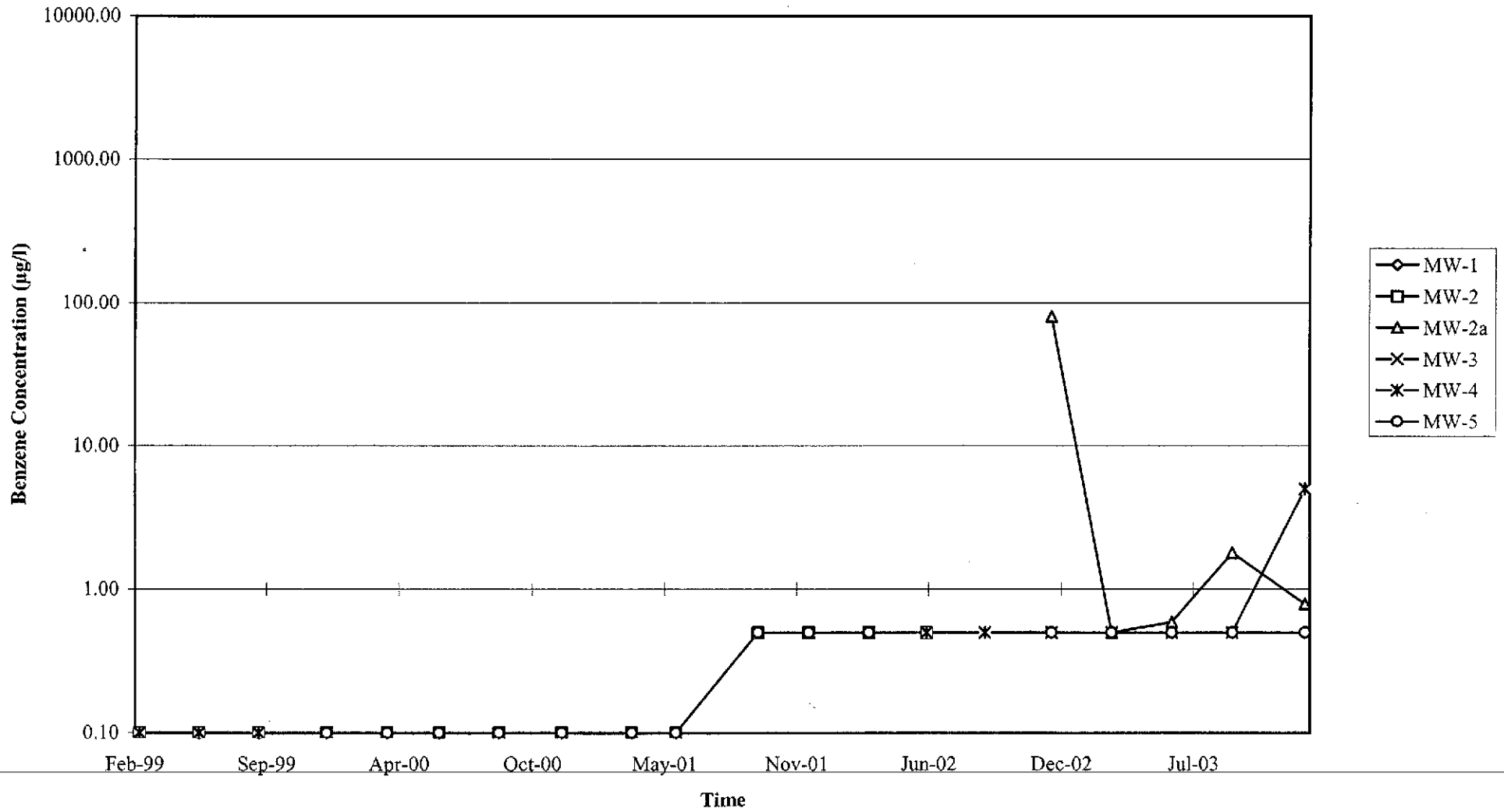


FIGURE 3

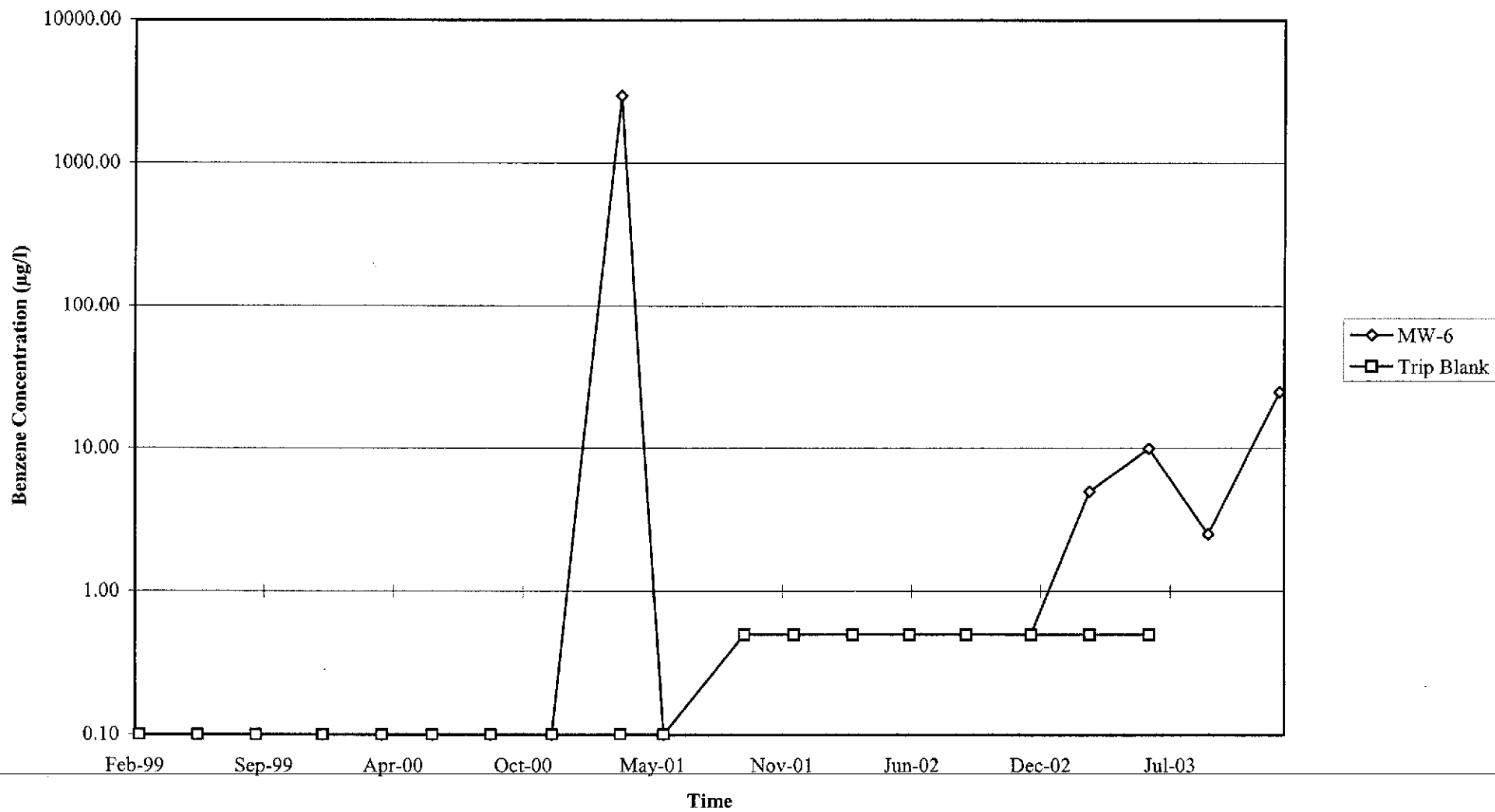
PS=1:1

GRAPHS

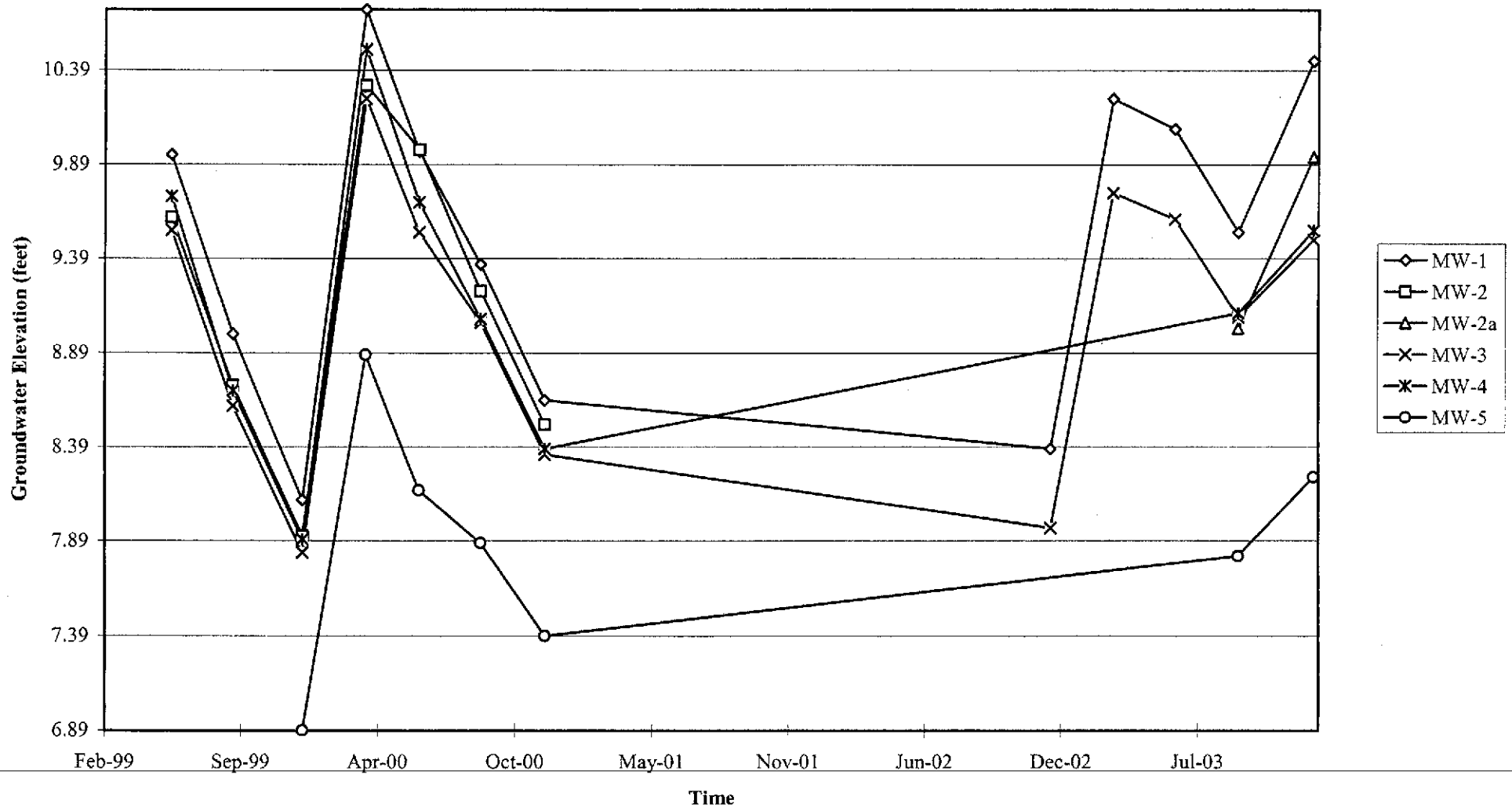
Graph 1
Benzene Concentrations vs. Time
Former 76 Station 0843



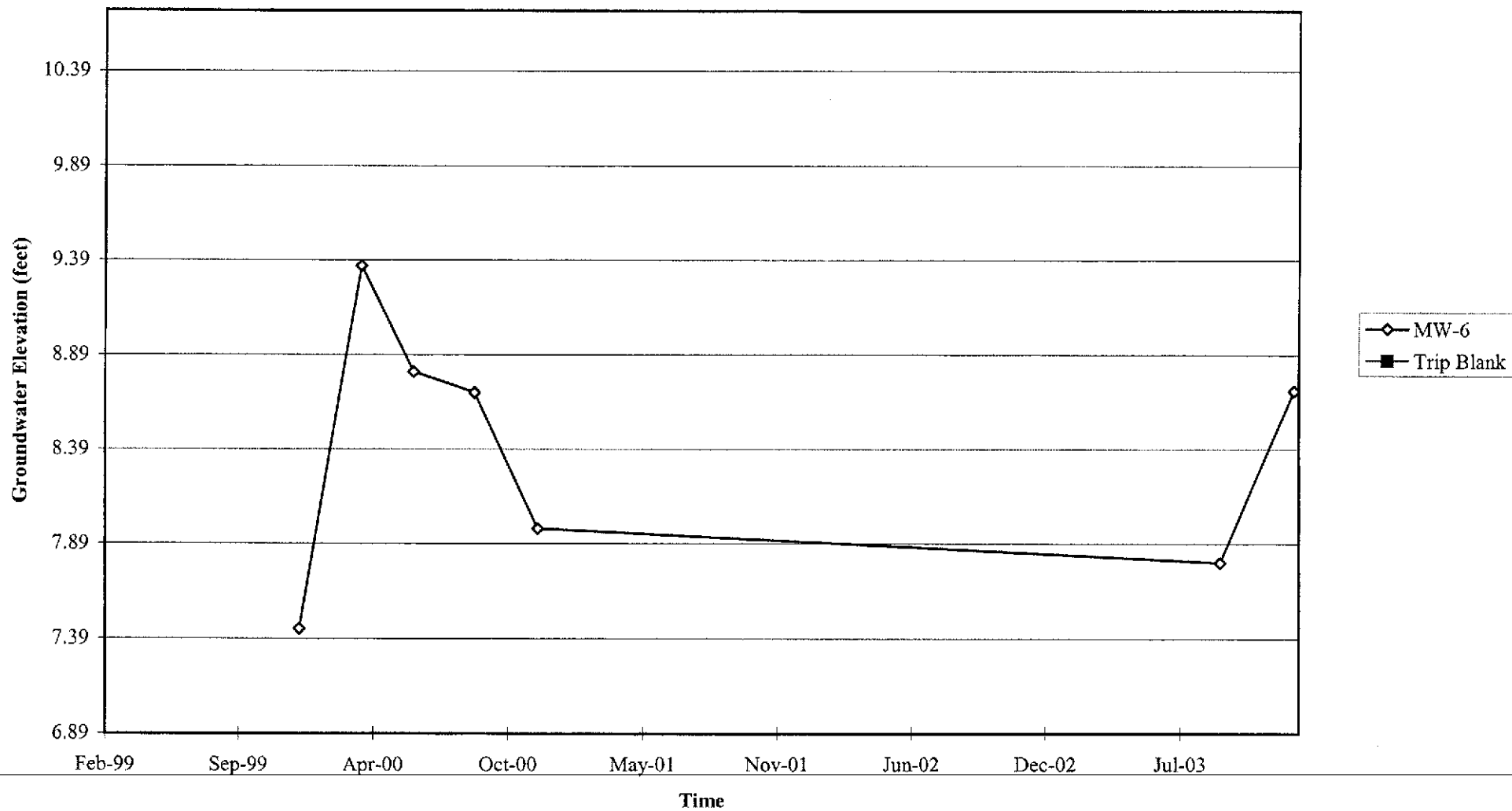
Graph 2
Benzene Concentrations vs. Time
Former 76 Station 0843



Graph 3
Hydrograph
Former 76 Station 0843



Graph 4
Hydrograph
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 measurement 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, and the samplers 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 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 well 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 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: JEREMY K

Site: 0843

Project No.: 41050001 / FA20

Date: 12/21/03

Well No.: MW-4

Purge Method: DIA

Depth to Water (feet): 5.63

Depth to Product (feet): Ø

Total Depth (feet): 18.43

LPH & Water Recovered (gallons): Ø

Water Column (feet): 12.80

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.19

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.
0720			2	884	16.7	7.56		
			4	860	17.0	7.54 7.75		
	0730		6	858	17.7	7.79		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
6.75			6		0742			
Comments:								

Well No.: MN-2A

Purge Method: HAND BAIL

Depth to Water (feet): 5.63

Depth to Product (feet): Ø

Total Depth (feet): 10.40

LPH & Water Recovered (gallons): Ø

Water Column (feet): 4.77

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 6.58

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.
0755			1	681	17.3	11.26		
			2	711	18.0	11.29		
	0803		3	671	18.1	11.23		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
Ø 5.70			3		0810			
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: JEREMY K.

Site: 0843

Project No.: 41050001/FA20

Date: 12/31/03

Well No.: MW-5

Purge Method: DIA

Depth to Water (feet): 5.11

Depth to Product (feet): 0

Total Depth (feet): 19.35

LPH & Water Recovered (gallons): 0

Water Column (feet): 14.24

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 7.96

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.
0600			2	427	15.9	7.69		
			4	392	18.3	7.40		
	0606		6	393	18.6	7.12		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
7.71			6		0615			
Comments:								

Well No.: MW-6

Purge Method: DIA

Depth to Water (feet): 5.38

Depth to Product (feet): 0

Total Depth (feet): 19.33

LPH & Water Recovered (gallons): 0

Water Column (feet): 15.95

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.17

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.
0623			2	408	15.9	7.15		
			4	428	16.3	6.92		
	0638		6	409	18.0	6.94		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
0645			6		0643			
Comments:								

TRC Alton Geoscience

January 14, 2004

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 12/31/2003 16:05

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 02/14/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma
Project Manager

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

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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

Project: 41050001FA20

Conoco Phillips #0843

Received: 12/31/2003 16:05

Site: 1629 Webster St. Alameda

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-2A	12/31/2003 08:10	Water	1
MW-4	12/31/2003 07:42	Water	2
MW-5	12/31/2003 06:15	Water	3
MW-6	12/31/2003 06:43	Water	4

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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

Project: 41050001FA20

Conoco Phillips #0843

Received: 12/31/2003 16:05

Site: 1629 Webster St. Alameda

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	MW-2A	Lab ID:	2004-01-0009 - 1
Sampled:	12/31/2003 08:10	Extracted:	1/7/2004 13:54
Matrix:	Water	QC Batch#:	2004/01/07-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	88	50	ug/L	1.00	01/07/2004 13:54	
Benzene	0.79	0.50	ug/L	1.00	01/07/2004 13:54	
Toluene	1.8	0.50	ug/L	1.00	01/07/2004 13:54	
Ethyl benzene	3.6	0.50	ug/L	1.00	01/07/2004 13:54	
Xylene(s)	14	0.50	ug/L	1.00	01/07/2004 13:54	
MTBE	ND	5.0	ug/L	1.00	01/07/2004 13:54	
Surrogate(s)						
Trifluorotoluene	86.1	58-124	%	1.00	01/07/2004 13:54	
4-Bromofluorobenzene-FID	59.0	50-150	%	1.00	01/07/2004 13:54	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #0843

Received: 12/31/2003 16:05

Site: 1629 Webster St. Alameda

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-4	Lab ID: 2004-01-0009 - 2
Sampled: 12/31/2003 07:42	Extracted: 1/7/2004 14:26
Matrix: Water	QC Batch#: 2004/01/07-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	750	500	ug/L	10.00	01/07/2004 14:26	g
Benzene	ND	5.0	ug/L	10.00	01/07/2004 14:26	
Toluene	ND	5.0	ug/L	10.00	01/07/2004 14:26	
Ethyl benzene	ND	5.0	ug/L	10.00	01/07/2004 14:26	
Xylene(s)	ND	5.0	ug/L	10.00	01/07/2004 14:26	
MTBE	790	50	ug/L	10.00	01/07/2004 14:26	
Surrogate(s)						
Trifluorotoluene	100.6	58-124	%	10.00	01/07/2004 14:26	
4-Bromofluorobenzene-FID	66.5	50-150	%	10.00	01/07/2004 14:26	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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

Project: 41050001FA20

Conoco Phillips #0843

Received: 12/31/2003 16:05

Site: 1629 Webster St. Alameda

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-5	Lab ID: 2004-01-0009 - 3
Sampled: 12/31/2003 06:15	Extracted: 1/7/2004 14:58
Matrix: Water	QC Batch#: 2004/01/07-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	01/07/2004 14:58	
Benzene	ND	0.50	ug/L	1.00	01/07/2004 14:58	
Toluene	ND	0.50	ug/L	1.00	01/07/2004 14:58	
Ethyl benzene	ND	0.50	ug/L	1.00	01/07/2004 14:58	
Xylene(s)	ND	0.50	ug/L	1.00	01/07/2004 14:58	
MTBE	ND	5.0	ug/L	1.00	01/07/2004 14:58	
Surrogate(s)						
Trifluorotoluene	68.0	58-124	%	1.00	01/07/2004 14:58	
4-Bromofluorobenzene-FID	50.2	50-150	%	1.00	01/07/2004 14:58	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience

Attn.: Anju Farfan

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Project: 41050001FA20

Conoco Phillips #0843

Received: 12/31/2003 16:05

Site: 1629 Webster St. Alameda

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-6	Lab ID: 2004-01-0009 - 4
Sampled: 12/31/2003 06:43	Extracted: 1/7/2004 15:30
Matrix: Water	QC Batch#: 2004/01/07-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3300	2500	ug/L	50.00	01/07/2004 15:30	g
Benzene	ND	25	ug/L	50.00	01/07/2004 15:30	
Toluene	ND	25	ug/L	50.00	01/07/2004 15:30	
Ethyl benzene	ND	25	ug/L	50.00	01/07/2004 15:30	
Xylene(s)	ND	25	ug/L	50.00	01/07/2004 15:30	
MTBE	3800	250	ug/L	50.00	01/07/2004 15:30	
Surrogate(s)						
Trifluorotoluene	109.9	58-124	%	50.00	01/07/2004 15:30	
4-Bromofluorobenzene-FID	78.3	50-150	%	50.00	01/07/2004 15:30	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20

Conoco Phillips #0843

Received: 12/31/2003 16:05

Site: 1629 Webster St. Alameda

Batch QC Report

Prep(s): 5030

Method Blank

MB: 2004/01/07-01.05-003

Water

Test(s): 8015M

QC Batch # 2004/01/07-01.05

Date Extracted: 01/07/2004 07:14

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	01/07/2004 07:14	
Benzene	ND	0.5	ug/L	01/07/2004 07:14	
Toluene	ND	0.5	ug/L	01/07/2004 07:14	
Ethyl benzene	ND	0.5	ug/L	01/07/2004 07:14	
Xylene(s)	ND	0.5	ug/L	01/07/2004 07:14	
MTBE	ND	5.0	ug/L	01/07/2004 07:14	
Surrogates(s)					
4-Bromofluorobenzene	106.4	50-150	%	01/07/2004 07:14	
4-Bromofluorobenzene-FID	90.4	50-150	%	01/07/2004 07:14	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20

Conoco Phillips #0843

Received: 12/31/2003 16:05

Site: 1629 Webster St. Alameda

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike

Water

QC Batch # 2004/01/07-01.05

LCS 2004/01/07-01.05-004

Extracted: 01/07/2004

Analyzed: 01/07/2004 07:54

LCSD 2004/01/07-01.05-005

Extracted: 01/07/2004

Analyzed: 01/07/2004 08:25

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	88.2	92.2	100.0	88.2	92.2	4.4	77-123	20		
Toluene	89.9	93.3	100.0	89.9	93.3	3.7	78-122	20		
Ethyl benzene	82.0	84.8	100.0	82.0	84.8	3.4	70-130	20		
Xylene(s)	263	273	300	87.7	91.0	3.7	75-125	20		
Surrogates(s)										
Trifluorotoluene	540	568	500	108.0	113.6		58-124			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #0843

Received: 12/31/2003 16:05

Site: 1629 Webster St. Alameda

Batch QC Report			
Prep(s): 5030		Test(s): 8015M	
Laboratory Control Spike		Water	QC Batch # 2004/01/07-01.05
LCS	2004/01/07-01.05-006	Extracted: 01/07/2004	Analyzed: 01/07/2004 08:57
LCSD	2004/01/07-01.05-007	Extracted: 01/07/2004	Analyzed: 01/07/2004 09:29

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	468	492	500	93.6	98.4	5.0	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	394	408	500	78.8	81.6		50-150			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20

Conoco Phillips #0843

Received: 12/31/2003 16:05

Site: 1629 Webster St. Alameda

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/01/07-01.05

MW-4 >> MS

Lab ID: 2004-01-0009 - 002

MS: 2004/01/07-01.05-021

Extracted: 01/07/2004

Analyzed: 01/07/2004 17:07

Dilution: 50.00

MSD: 2004/01/07-01.05-022

Extracted: 01/07/2004

Analyzed: 01/07/2004 17:39

Dilution: 50.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	4620	4440	ND	5000	92.4	88.8	4.0	65-135	20		
Toluene	4760	4620	ND	5000	95.2	92.4	3.0	65-135	20		
Ethyl benzene	4280	4090	ND	5000	85.6	81.8	4.5	65-135	20		
Xylene(s)	13100	12600	ND	15000	87.3	84.0	3.9	65-135	20		
Surrogate(s)											
Trifluorotoluene	484	490		500	96.8	98.0		58-124			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
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Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips #0843

Received: 12/31/2003 16:05

Site: 1629 Webster St. Alameda

Batch QC Report			
Prep(s): 5030			Test(s): 8015M
Matrix Spike (MS / MSD)	Water	QC Batch # 2004/01/07-01.05	
MW-4 >> MS		Lab ID:	2004-01-0009 - 002
MS: 2004/01/07-01.05-023	Extracted: 01/07/2004	Analyzed:	01/07/2004 18:11
		Dilution:	50.00
MSD: 2004/01/07-01.05-024	Extracted: 01/07/2004	Analyzed:	01/07/2004 18:42
		Dilution:	50.00

Compound	Conc. ug/L			Spk. Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Gasoline	26000	25100	752	25000	101.0	97.4	3.6	65-135	20		
Surrogate(s)											
4-Bromofluorobenzene-FID	318	320		500	63.6	64.0		50-150			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience

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Project: 41050001FA20

Conoco Phillips #0843

Received: 12/31/2003 16:05

Site: 1629 Webster St. Alameda

Legend and Notes

Result Flag

9

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

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Irvine, CA 92718

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Project: 41050001FA20

Conoco Phillips #0843

Received: 12/31/2003 16:05

Site: 1629 Webster St. Alameda

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-2A	12/31/2003 08:10	Water	1

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

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Project: 41050001FA20

Conoco Phillips #0843

Received: 12/31/2003 16:05

Site: 1629 Webster St. Alameda

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-2A	Lab ID: 2004-01-0009 - 1
Sampled: 12/31/2003 08:10	Extracted: 1/8/2004 22:47
Matrix: Water	QC Batch#: 2004/01/08-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	01/08/2004 22:47	
Methyl tert-butyl ether (MTBE)	2.9	2.0	ug/L	1.00	01/08/2004 22:47	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	01/08/2004 22:47	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	01/08/2004 22:47	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	01/08/2004 22:47	
1,2-DCA	ND	2.0	ug/L	1.00	01/08/2004 22:47	
EDB	ND	2.0	ug/L	1.00	01/08/2004 22:47	
Ethanol	ND	500	ug/L	1.00	01/08/2004 22:47	
Surrogate(s)						
1,2-Dichloroethane-d4	90.0	76-114	%	1.00	01/08/2004 22:47	
Toluene-d8	94.2	88-110	%	1.00	01/08/2004 22:47	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

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Irvine, CA 92718

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Project: 41050001FA20

Conoco Phillips #0843

Received: 12/31/2003 16:05

Site: 1629 Webster St. Alameda

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/01/08-2A.62-045

Water

Test(s): 8260FAB

QC Batch # 2004/01/08-2A.62

Date Extracted: 01/08/2004 19:22

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	100	ug/L	01/08/2004 19:22	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	01/08/2004 19:22	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	01/08/2004 19:22	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	01/08/2004 19:22	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	01/08/2004 19:22	
1,2-DCA	ND	2.0	ug/L	01/08/2004 19:22	
EDB	ND	2.0	ug/L	01/08/2004 19:22	
Ethanol	ND	500	ug/L	01/08/2004 19:22	
Surrogates(s)					
1,2-Dichloroethane-d4	86.4	76-114	%	01/08/2004 19:22	
Toluene-d8	94.0	88-110	%	01/08/2004 19:22	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

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Project: 41050001FA20

Conoco Phillips #0843

Received: 12/31/2003 16:05

Site: 1629 Webster St. Alameda

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2004/01/08-2A.62

LCS 2004/01/08-2A.62-039

Extracted: 01/08/2004

Analyzed: 01/08/2004 18:39

LCSD 2004/01/08-2A.62-000

Extracted: 01/08/2004

Analyzed: 01/08/2004 19:00

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.6	20.3	25	86.4	81.2	6.2	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	444	416	500	88.8	83.2		76-114			
Toluene-d8	465	475	500	93.0	95.0		88-110			

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

01/12/2004 17:43

TRC Customer Focused Solutions
5052 Commercial Circle
Concord, CA 94520-1248

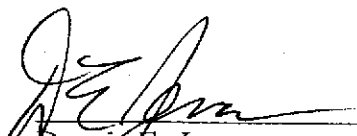
Statement of Authorized Transportation and Disposal

This is to certify that non-hazardous groundwater produced during purging and sampling of monitoring wells at ConocoPhillips site number 0843 was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc. to the ConocoPhillips Refinery at Rodeo California for disposal. TRC records indicate that approximately 20 gallons of purge water from the site were transferred to the purge water holding tank on 12/31/03. The contents of the holding tank were transported to the Unit 100 Water Treatment Facility at the Rodeo Refinery on 1/13/04.

Disposal at the facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures - Water Quality and Compliance", as revised on February 7, 2003. The procedure requires that TRC dispose only of monitoring well purge water from sites for which TRC services are under contract by ConocoPhillips. The non-hazardous nature of the purge water is confirmed quarterly by analysis by an independent certified laboratory of a random sample from the TRC holding facility. The sample is analyzed for all analytes and parameters that might affect the ConocoPhillips NPDES permit for ultimate disposal of the water. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file with ConocoPhillips.

If any purge water collected at the site is suspected of containing potentially hazardous material such as liquid-phase hydrocarbons, that water was accumulated separately in a drum for transportation and disposal by Filter Recycling, Inc.

In witness of this statement


Dennis E. Jensen
QMS Program Manager

1/20/04
date

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.