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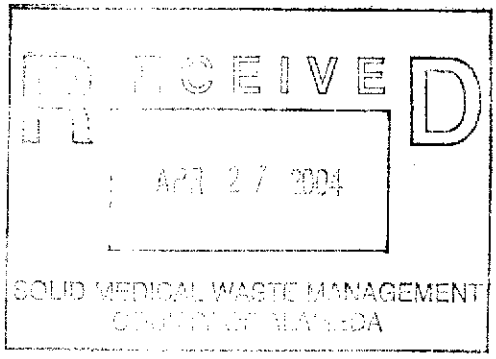

April 13, 2004

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
JANUARY THROUGH MARCH 2004

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

Anju Farfan
QMS Operations Manager

CC: Ms. Eva Chu, Alameda County Dept., of Environmental Health
Mr. Dave Vossler, MBE

Enclosures
20-0400/0843R02.QMS

21 Technology Drive • Irvine, California 92618
Telephone 949-727-9336 • Fax 949-727-7399

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FIRST QUARTER 2004
FLUID LEVEL MONITORING AND
GROUNDWATER SAMPLING REPORT
April 13, 2004

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

21 Technology Drive • Irvine, California 92618
Telephone 949-727-9336 • Fax 949-727-7399

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
Statements	Purge Water Transport and Disposal Limitations

Summary of Gauging and Sampling Activities
January 2004 through March 2004
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:	2/12/04
Groundwater wells gauged:	6
Groundwater wells sampled:	4
Purging method:	diaphragm/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):	5.02
Maximum depth to groundwater (feet bgs):	6.02
Average groundwater elevation (feet relative to mean sea level):	9.48
Average change in groundwater elevations since previous event (feet):	0.09
Groundwater gradient and flow direction:	0.005 ft/ft, North
Previous gradient and/or flow direction (and date):	0.007 ft/ft, North (12/31/03)

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

Wells with benzene concentrations below MCL:	3
Wells with benzene concentrations at or above MCL:	1
Minimum benzene concentration (µg/l):	ND
Maximum benzene concentration (µg/l):	2.6 (MW-2A)
Minimum MTBE concentration (µg/l):	ND
Maximum MTBE concentration (µg/l):	2800 (MW-6)
Minimum TPH-G concentration (µg/l):	ND
Maximum TPH-G concentration (µg/l):	1100 (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.

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:

Surface elevation – depth to water + (0.75 x 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

February 12, 2004

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)**												
2/12/2004	16.18	6.02	0.00	10.16	-0.28	--	--	--	--	--	--	--	--	Monitored Only
MW-2A		**(Screen Interval in feet: 5-11.5)**												
2/12/2004	15.56	5.68	0.00	9.88	-0.05	160	--	2.6	4.8	13	48	7.2	7.9	
MW-3		**(Screen Interval in feet: 5.0-20.0)**												
2/12/2004	15.11	5.51	0.00	9.60	0.11	--	--	--	--	--	--	--	--	Monitored Only
MW-4		**(Screen Interval in feet: 5.0-20.5)**												
2/12/2004	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	--	
MW-5		**(Screen Interval in feet: 5-20)**												
2/12/2004	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	--	
MW-6		**(Screen Interval in feet: 5-20)**												
2/12/2004	14.08	5.06	0.00	9.02	0.32	1100	--	ND<10	ND<10	ND<10	ND<10	1900	2800	

Table 2

HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

March 1999 Through February 2004

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)**													
6/03/99	16.18	6.24	0.00	9.94	--	ND	--	ND	ND	ND	ND	ND	ND	
9/02/99	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	--	
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	--	
12/01/00	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	--	
6/07/02	16.18	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
9/03/02	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
2/12/04	16.18	6.02	0.00	10.16	-0.28	--	--	--	--	--	--	--	--	Monitored Only
MW-2	**(Screen Interval in feet: DNA)**													
3/05/99	15.57	--	0.00	--	--	34400	--	ND	7710	2340	8240	--	8460	
6/03/99	15.57	5.96	0.00	9.61	--	51200	--	ND	7570	2510	7320	6460	8800	
9/02/99	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	

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														
3/14/00	15.57	5.26	0.00	10.31	2.39	31000	--	ND	4600	2300	7300	5700	8700	
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	
12/01/00	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	
6/07/02	15.57	--	0.00	--	--	14000	--	ND<0.50	1200	1400	4700	540	200	
9/03/02	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	MW-2 abndnd on 11/28/02, replaced by MW-2a
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	
2/12/04	15.56	5.68	0.00	9.88	-0.05	160	--	2.6	4.8	13	48	7.2	7.9	
MW-3		**(Screen Interval in feet: 5.0-20.0)**												
3/05/99	15.11	--	0.00	--	--	--	--	ND	ND	ND	4.84	--	2.46	
6/03/99	15.11	5.57	0.00	9.54	--	135	--	ND	ND	ND	ND	5.23	12.7	
9/02/99	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	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	
12/01/00	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	

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														
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	
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	
6/07/02	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
2/12/04	15.11	5.51	0.00	9.60	0.11	--	--	--	--	--	--	--	--	Monitored Only
MW-4	**(Screen Interval in feet: 5.0-20.5)**													
3/05/99	15.17	--	0.00	--	--	ND	--	ND	ND	ND	2.44	--	25.2	
6/03/99	15.17	5.45	0.00	9.72	--	ND	--	ND	ND	ND	ND	ND	3.96	
9/02/99	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	
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	
12/01/00	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	--	
6/07/02	15.17	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
9/03/02	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	--	

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-4 continued														
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	--	
2/12/04	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	--	
MW-5	**(Screen Interval in feet: 5-20)**													
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	--	
12/01/00	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	--	
6/07/02	13.34	--	--	--	--	--	--	--	--	--	--	--	--	
9/03/02	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	--	
2/12/04	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	--	
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	
12/01/00	14.08	6.11	0.00	7.97	-0.72	ND	--	ND	ND	ND	ND	6330	3640	

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														
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	
6/07/02	14.08	--	--	--	--	--	--	--	--	--	--	--	--	
9/03/02	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	--	
2/12/04	14.08	5.06	0.00	9.02	0.32	1100	--	ND<10	ND<10	ND<10	ND<10	1900	2800	
Trip Blank		**(Screen Interval in feet: DNA)**												
3/05/99	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	ND	
6/03/99	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
9/02/99	--	--	--	--	--	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	--	
12/01/00	--	--	--	--	--	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	--	
6/07/02	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
9/03/02	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	

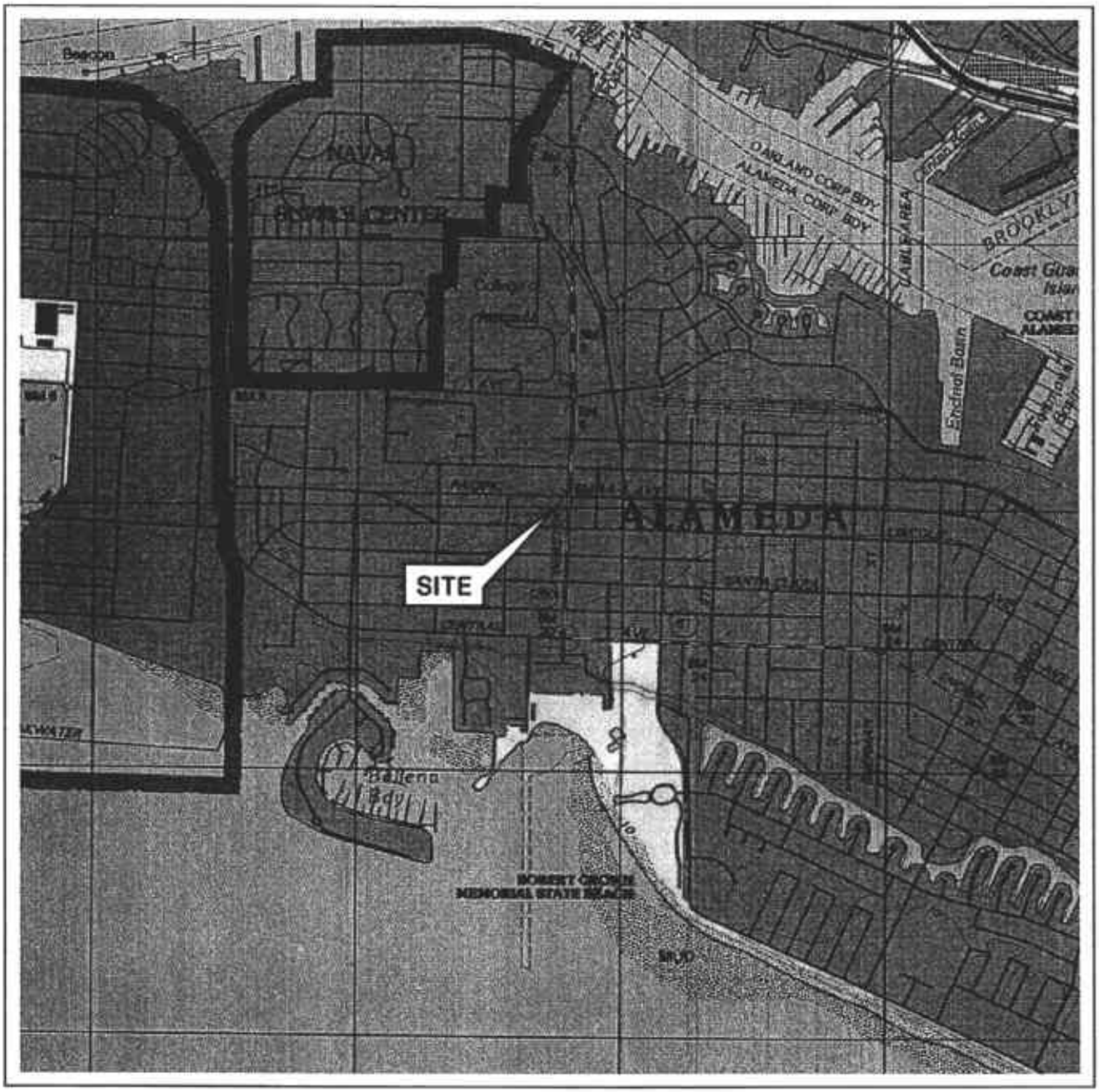
Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
Trip Blank	continued													
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	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8015B	Ethanol 8260B	1,2 DCE
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)
MW-1									
9/2/1999	--	--	ND	ND	ND	ND	ND	--	--
MW-2									
9/2/1999	--	--	ND	ND	ND	ND	ND	--	--
12/14/1999	--	ND	ND	ND	ND	ND	ND	--	ND
3/14/2000	--	ND	ND	1300	ND	ND	ND	--	ND
5/31/2000	--	ND	ND	ND	ND	ND	ND	--	ND
8/29/2000	--	ND	ND	250	ND	ND	ND	--	ND
12/1/2000	--	ND	ND	ND	ND	ND	ND	--	ND
3/17/2001	--	ND	ND	ND	14.8	ND	ND	--	ND
5/23/2001	--	ND	ND	ND	ND	ND	ND	--	ND
9/24/2001	--	ND<100	ND<100	ND<5000	ND<100	ND<100	ND<50000	--	ND<100
12/10/2001	--	ND<25	ND<25	ND<500	ND<25	ND<25	ND<12000	--	ND<25
3/11/2002	--	ND<20	ND<20	ND<1000	ND<20	ND<20	ND<5000	--	ND<20
6/7/2002	--	ND<25	ND<25	ND<1000	ND<25	ND<25	ND<2000	--	ND<25
9/3/2002	--	ND<20	ND<20	ND<1000	ND<20	ND<20	ND<5000	--	ND<20
MW-2a									
12/12/2002	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	2.3
3/13/2003	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	ND<2.0
6/12/2003	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	ND<2.0
9/12/2003	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500	ND<2.0
12/31/2003	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500	--
2/12/2004	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500	--
MW-3									
9/2/1999	--	--	ND	ND	ND	ND	ND	--	--
MW-4									

Date Sampled	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8015B	Ethanol 8260B	1,2 DCE
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)
MW-4 continued									
9/2/1999	--	--	ND	ND	ND	ND	--	--	--
12/10/2001	--	ND<14	ND<14	ND<290	ND<14	ND<14	ND<7,100	--	ND<14
12/12/2002	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	ND<2.0
9/12/2003	--						--	ND<500	
MW-5									
9/12/2003	--						--	ND<500	
MW-6									
3/17/2001	--	ND	ND	ND	ND	ND	ND	--	219
9/24/2001	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000	--	ND<2.0
12/10/2001	--	ND<25	ND<25	ND<500	ND<25	ND<25	ND<12000	--	ND<25
3/11/2002	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	ND<2.0
12/12/2002	--	ND<200	ND<200	ND<10000	ND<200	ND<200	ND<50000	--	ND<200
3/13/2003	--	ND<100	ND<100	ND<5000	ND<100	ND<100	ND<25000	--	ND<100
6/12/2003	--	ND<40	ND<40	ND<2000	ND<40	ND<40	ND<10000	--	ND<40
9/12/2003	--						--	ND<2500	
2/12/2004	ND<40	ND<40	ND<40	ND<2000	ND<40	ND<40	--	ND<10000	--

FIGURES



0 1/4 1/2 3/4 1 MILE

SCALE 1: 24,000

N

SOURCE:

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

VICINITY MAP

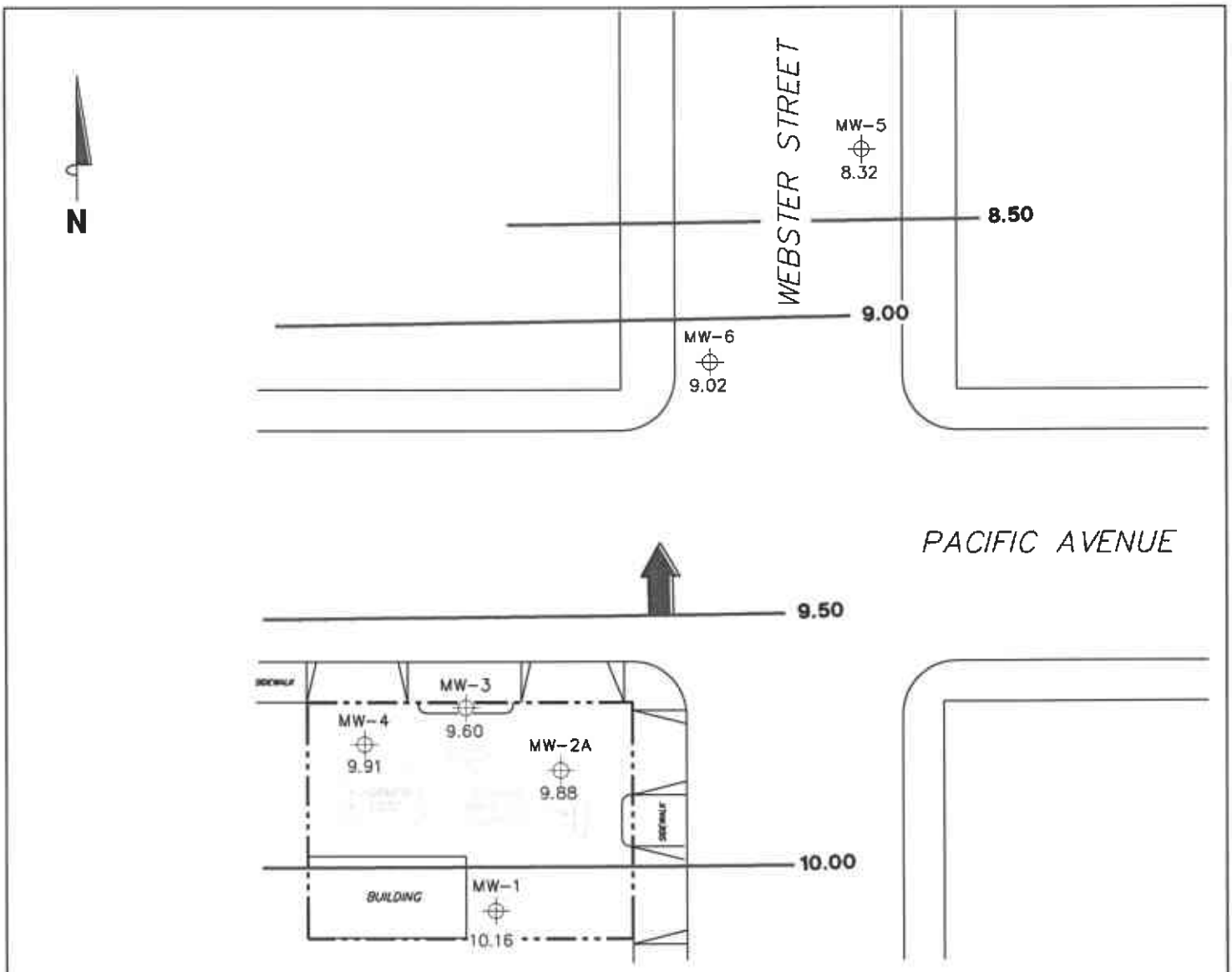
Former 76 Station 0843
1629 Webster Street
Alameda, California

TRC

FIGURE 1

PS = 1:1

Graphics on lr1(i:)\VICINITY MAPS\0843vm.dwg 11/20/03



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
February 12, 2004

Former 76 Station 0843
1629 Webster Street
Alameda, California

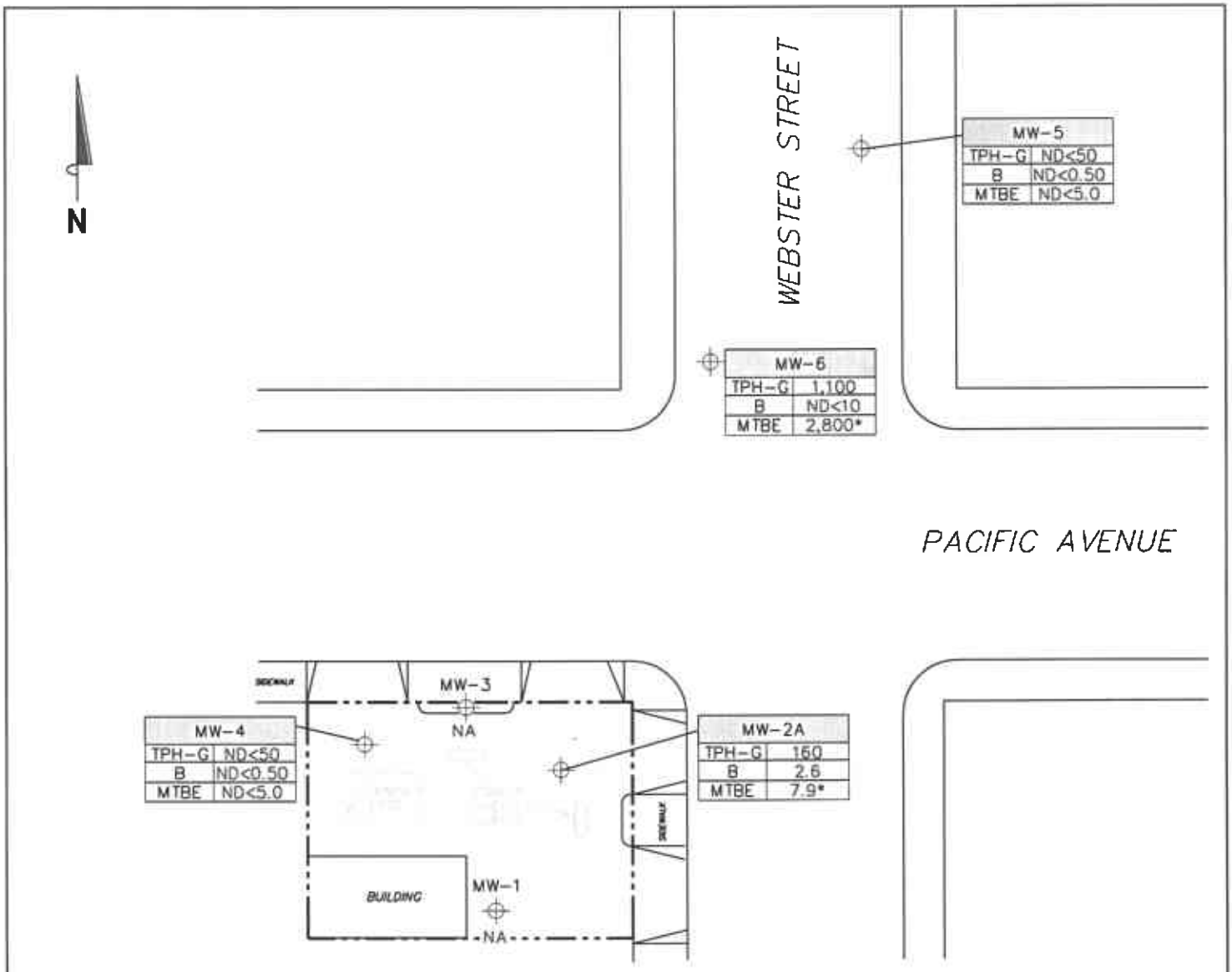
TRC

SCALE (FEET)
0 60

PS=1:1

FIGURE 2

Graphics on Ir1(I:)\GRAPHICS\Projects By..\20-xxxx\20-0400\x-0000\0843+\0843_gms.dwg 3/23/04 bbs



NOTES:

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

LEGEND

Well No.
TPH-G µg/l
B µg/l
MTBE µg/l

Monitoring Well with Dissolved-Phase Hydrocarbon Concentrations (µg/l)

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS MAP
February 12, 2004

Former 76 Station 0843
1629 Webster Street
Alameda, California

TRC

SCALE (FEET)
0 60

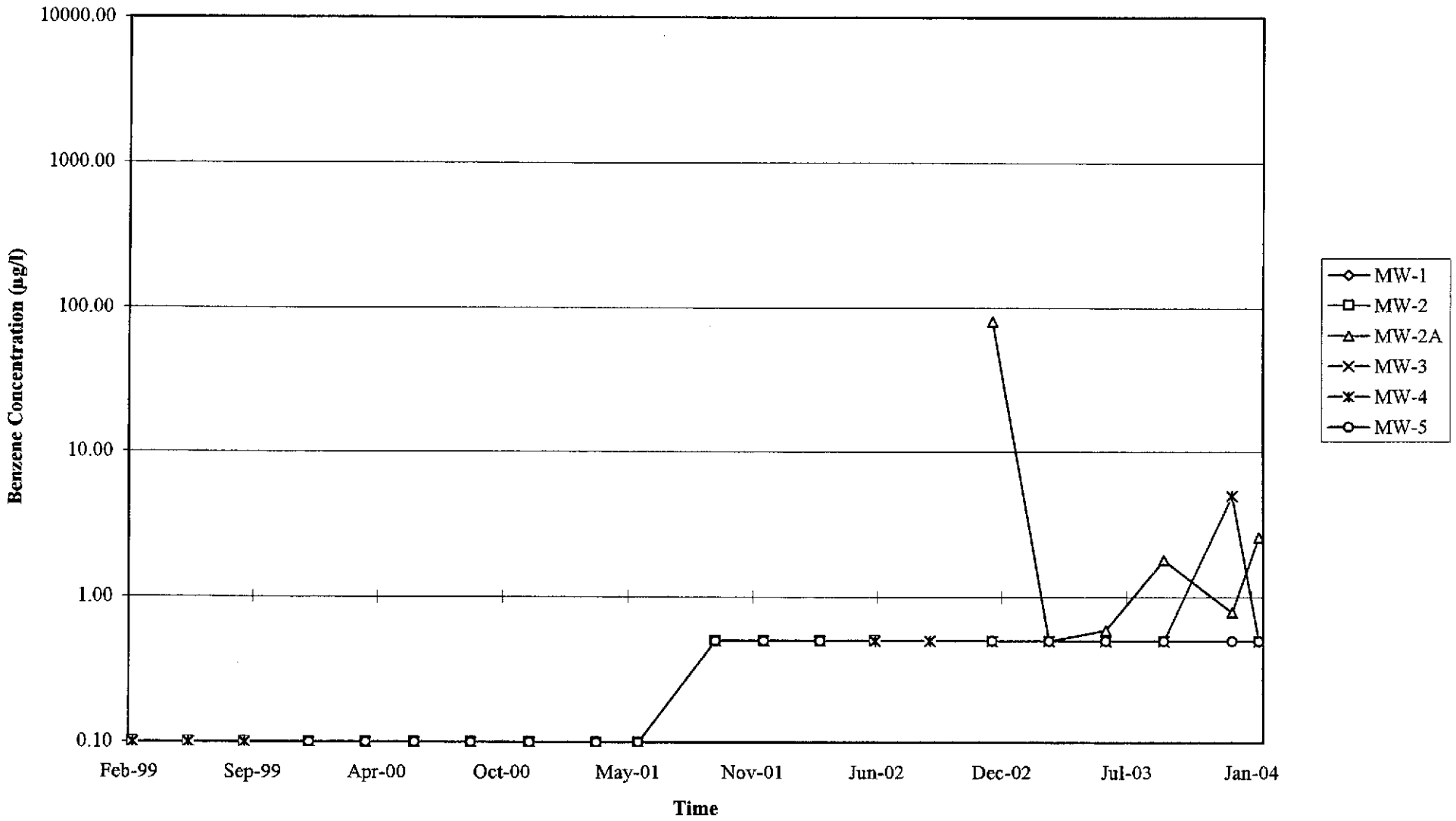
FIGURE 3

PS=1:1

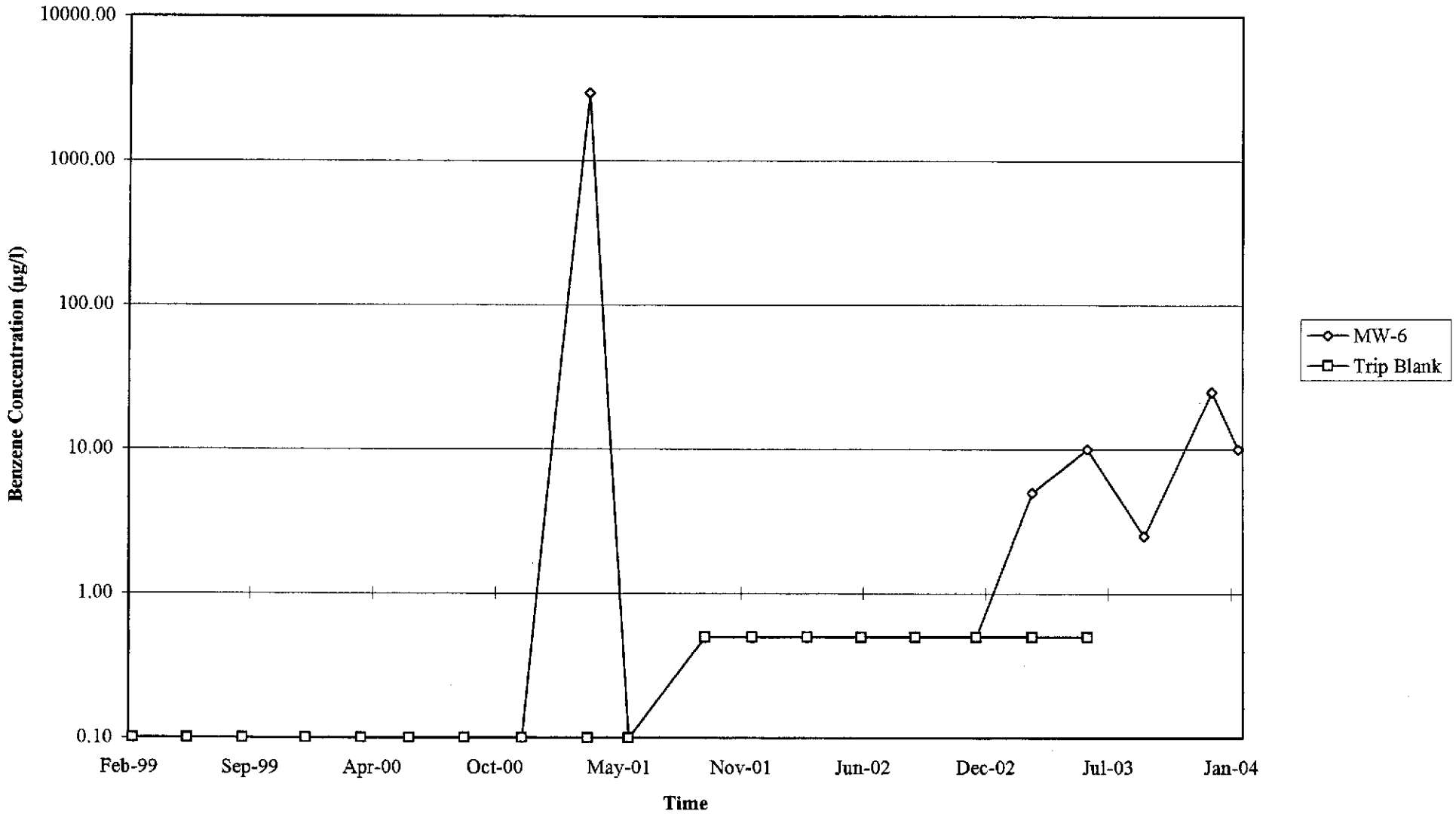
Graphics on Ir1(I:)\GRAPHICS\Projects By..\20-xxxx\20-0400\x-0000\0843+\0843_qms.dwg 3/23/04 bbs

GRAPHS

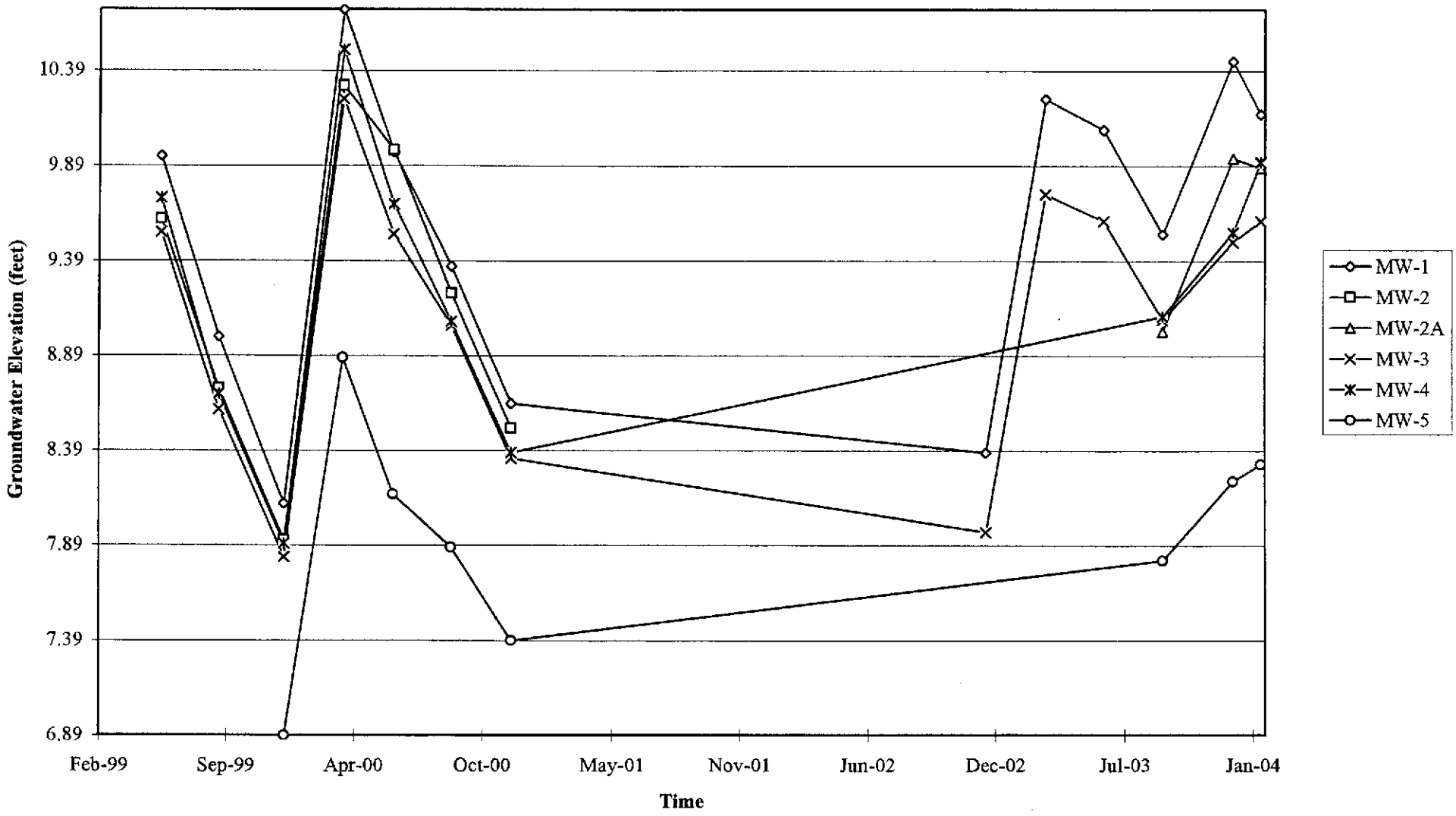
Graph 1
Benzene Concentrations vs. Time
Former 76 Station 0843



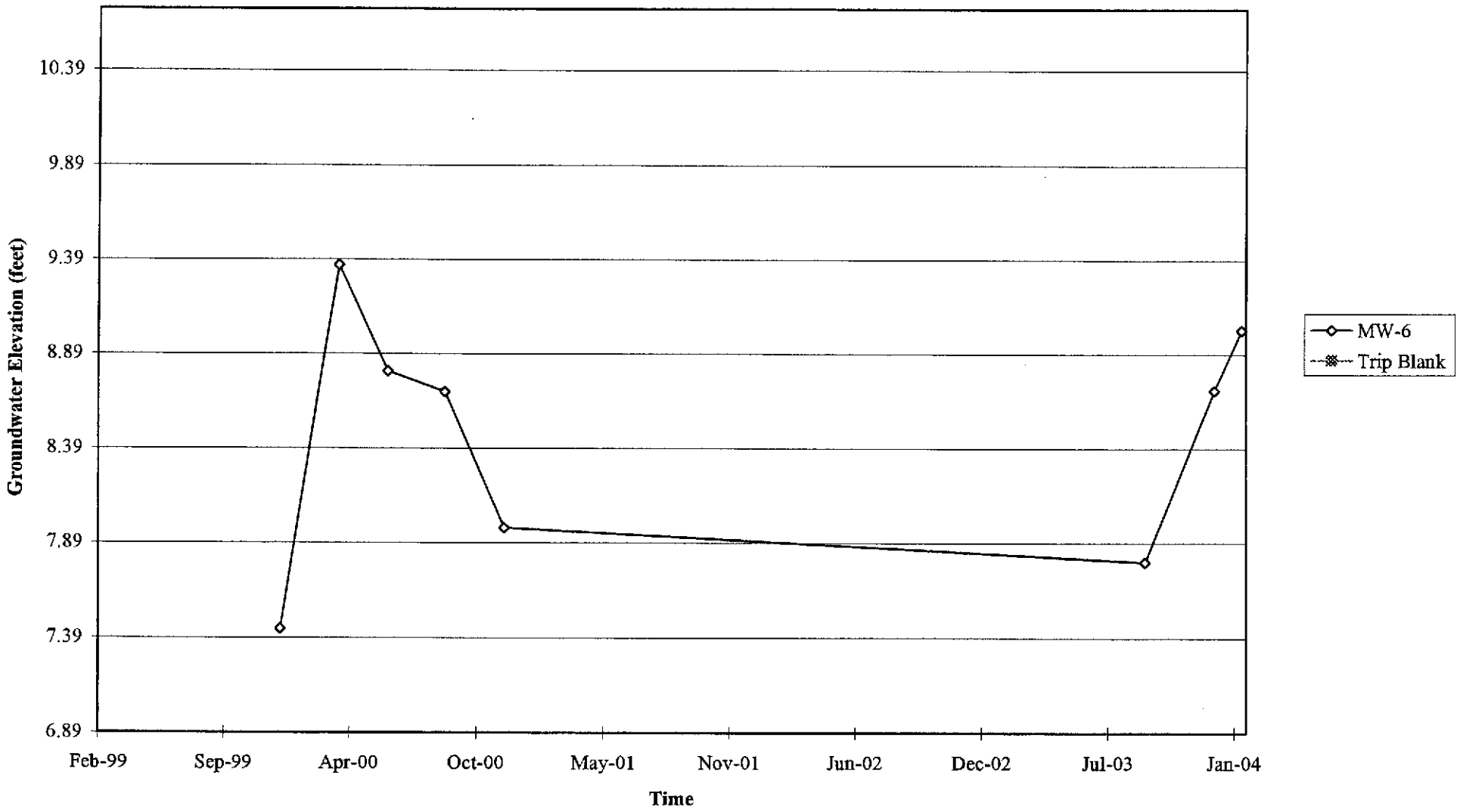
Graph 2
Benzene Concentrations vs. Time
Former 76 Station 0843



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.

FIELD MONITORING DATA SHEET

Technician: David Tenney Job #/Task #: 410500-01/FA20 Date: 2-12-09

Site # 0893 Project Manager Kathie Deskin Page 1 of 1

Well #	Grade	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-3		X	19.84	5.51	~~0~~	~~0~~	NS	2" monitor only
MW-1		X	19.85	6.02	~~0~~	~~0~~	↓	2" ↓
MW-4		X	18.55	5.26	~~0~~	~~0~~	0913	2"
MW-2A		X	20.47	5.68	~~0~~	~~0~~	0906	2"
MW-5		X	19.91	5.02	~~0~~	~~0~~	1000	2"
MW-6		X	19.68	5.06	~~0~~	~~0~~	1037	2"

FIELD DATA COMPLETE ✓ QA/QC ✓ COC ✓ WELL BOX CONDITION SHEETS ✓

WTT CERTIFICATE MANIFEST DRUM INVENTORY ✓ TRAFFIC CONTROL

GROUNDWATER SAMPLING FIELD NOTES

Technician: David Penney

Site: 0843 Project No.: 410500-01/EA20 Date: 2-12-04

Well No.: MW-5 Purge Method: Diaphragm 0969

Depth to Water (feet): 5.02 Depth to Product (feet): 0

Total Depth (feet): 19.91 LPH & Water Recovered (gallons): 0

Water Column (feet): 14.89 Casing Diameter (Inches): 2

80% Recharge Depth (feet): 8.00 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.
0949			2	498N	14.6	8.65		
			4	491	15.7	8.37		
	0959		6	489	16.3	8.18		

Static at Time Sampled	Total Gallons Purged	Time Sampled
6.41	6	1000

Comments:

Well No.: MW-6 Purge Method: diaphragm 0969

Depth to Water (feet): 5.06 Depth to Product (feet): 0

Total Depth (feet): 19.68 LPH & Water Recovered (gallons): 0

Water Column (feet): 14.62 Casing Diameter (Inches): 2

80% Recharge Depth (feet): 7.98 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.
1025			2	502N	13.9	7.61		
			4	510	14.1	7.56		
	1030		6	510	15.5	7.36		

Static at Time Sampled	Total Gallons Purged	Time Sampled
6.11	6	1037

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: David Penney

Site: 0843 Project No.: 410500-01/FA20 Date: 2-12-09

Well No.: MW-1 Purge Method: diaphragm 0969

Depth to Water (feet): 5.26 Depth to Product (feet): 0

Total Depth (feet): 18.55 LPH & Water Recovered (gallons): 0

Water Column (feet): 13.29 Casing Diameter (Inches): 2

80% Recharge Depth (feet): 7.92 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.
0759			2	1264	14.3	6.37		
			4	1257	15.3	6.53		
	0802		6	1259	15.9	6.82		

Static at Time Sampled	Total Gallons Purged	Time Sampled
6.03	6	0813

Comments:

Well No.: MW-2A Purge Method: hand bail

Depth to Water (feet): 5.68 Depth to Product (feet): 0

Total Depth (feet): 10.47 LPH & Water Recovered (gallons): 0

Water Column (feet): 4.79 Casing Diameter (Inches): 2

80% Recharge Depth (feet): 6.64 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.
0851			1	974	17.6	10.45		
			2	916	17.8	10.59		
	0858		3	915	18.1	10.56		

Static at Time Sampled	Total Gallons Purged	Time Sampled
5.70	3	0906

Comments:

SEVERN TRENT STL

Submission#: 2004-02-0482

TRC Alton Geoscience

February 27, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20
Project: Conoco Phillips #0843
Site: 1629 Webster Street, Alameda

Attached is our report for your samples received on 02/13/2004 15:51
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 03/29/2004 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

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission #: 2004-02-0482

Gas/BTEX Fuel Oxygenates by 8260B

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: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-6	02/12/2004 10:37	Water	4

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Prep(s): 5030B
Sample ID: **MW-6**
Sampled: 02/12/2004 10:37
Matrix: Water

Test(s): 8260FAB
Lab ID: 2004-02-0482 - 4
Extracted: 2/26/2004 12:08
QC Batch#: 2004/02/26-1A.66

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	2000	ug/L	20.00	02/26/2004 12:08	
Methyl tert-butyl ether (MTBE)	2800	40	ug/L	20.00	02/26/2004 12:08	
Di-isopropyl Ether (DIPE)	ND	40	ug/L	20.00	02/26/2004 12:08	
Ethyl tert-butyl ether (ETBE)	ND	40	ug/L	20.00	02/26/2004 12:08	
tert-Amyl methyl ether (TAME)	ND	40	ug/L	20.00	02/26/2004 12:08	
1,2-DCA	ND	40	ug/L	20.00	02/26/2004 12:08	
EDB	ND	40	ug/L	20.00	02/26/2004 12:08	
Ethanol	ND	10000	ug/L	20.00	02/26/2004 12:08	
Surrogate(s)						
Toluene-d8	107.9	88-110	%	20.00	02/26/2004 12:08	
1,2-Dichloroethane-d4	105.9	76-114	%	20.00	02/26/2004 12:08	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260FAB
QC Batch # 2004/02/26-1A.66

MB: 2004/02/26-1A.66-026

Date Extracted: 02/26/2004 10:26

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	100	ug/L	02/26/2004 10:26	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	02/26/2004 10:26	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	02/26/2004 10:26	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	02/26/2004 10:26	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	02/26/2004 10:26	
1,2-DCA	ND	2.0	ug/L	02/26/2004 10:26	
EDB	ND	2.0	ug/L	02/26/2004 10:26	
Ethanol	ND	500	ug/L	02/26/2004 10:26	
Surrogates(s)					
1,2-Dichloroethane-d4	110.6	76-114	%	02/26/2004 10:26	
Toluene-d8	101.6	88-110	%	02/26/2004 10:26	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2004/02/26-1A.66**

LCS 2004/02/26-1A.66-038 Extracted: 02/26/2004 Analyzed: 02/26/2004 09:38
LCSD 2004/02/26-1A.66-002 Extracted: 02/26/2004 Analyzed: 02/26/2004 10:02

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	21.5	20.9	25	86.0	83.6	2.8	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	511	478	500	102.2	95.6		76-114			
Toluene-d8	501	517	500	100.2	103.4		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Legend and Notes

Analysis Flag

o

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

SEVERN TRENT STL

Submission #: 2004-02-0482

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-2A	02/12/2004 09:06	Water	2

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Prep(s): 5030B
Sample ID: **MW-2A**
Sampled: 02/12/2004 09:06
Matrix: Water

Test(s): 8260FAB
Lab ID: 2004-02-0482 - 2
Extracted: 2/23/2004 12:37
QC Batch#: 2004/02/23-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	02/23/2004 12:37	
Methyl tert-butyl ether (MTBE)	7.9	2.0	ug/L	1.00	02/23/2004 12:37	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	02/23/2004 12:37	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	02/23/2004 12:37	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	02/23/2004 12:37	
1,2-DCA	ND	2.0	ug/L	1.00	02/23/2004 12:37	
EDB	ND	2.0	ug/L	1.00	02/23/2004 12:37	
Ethanol	ND	500	ug/L	1.00	02/23/2004 12:37	
Surrogate(s)						
Toluene-d8	106.0	88-110	%	1.00	02/23/2004 12:37	
1,2-Dichloroethane-d4	112.4	76-114	%	1.00	02/23/2004 12:37	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260FAB
QC Batch # 2004/02/23-1B.65

MB: 2004/02/23-1B.65-053

Date Extracted: 02/23/2004 10:53

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	100	ug/L	02/23/2004 10:53	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	02/23/2004 10:53	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	02/23/2004 10:53	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	02/23/2004 10:53	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	02/23/2004 10:53	
1,2-DCA	ND	2.0	ug/L	02/23/2004 10:53	
EDB	ND	2.0	ug/L	02/23/2004 10:53	
Ethanol	ND	500	ug/L	02/23/2004 10:53	
Surrogates(s)					
1,2-Dichloroethane-d4	111.2	76-114	%	02/23/2004 10:53	
Toluene-d8	103.2	88-110	%	02/23/2004 10:53	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2004/02/23-1B.65**

LCS 2004/02/23-1B.65-015 Extracted: 02/23/2004 Analyzed: 02/23/2004 09:15
LCSD 2004/02/23-1B.65-039 Extracted: 02/23/2004 Analyzed: 02/23/2004 09:39

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.7	28.2	25	106.8	112.8	5.5	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	567	511	500	113.4	102.2		76-114			
Toluene-d8	517	506	500	103.4	101.2		88-110			

SEVERN TRENT STL

Submission #: 2004-02-0482

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: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-4	02/12/2004 08:13	Water	1
MW-2A	02/12/2004 09:06	Water	2
MW-5	02/12/2004 10:00	Water	3
MW-6	02/12/2004 10:37	Water	4

SEVERN TRENT STL

Submission #: 2004-02-0482

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-4**	Lab ID:	2004-02-0482 - 1
Sampled:	02/12/2004 08:13	Extracted:	2/25/2004 13:34
Matrix:	Water	QC Batch#:	2004/02/25-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/25/2004 13:34	
Benzene	ND	0.50	ug/L	1.00	02/25/2004 13:34	
Toluene	ND	0.50	ug/L	1.00	02/25/2004 13:34	
Ethyl benzene	ND	0.50	ug/L	1.00	02/25/2004 13:34	
Xylene(s)	ND	0.50	ug/L	1.00	02/25/2004 13:34	
MTBE	ND	5.0	ug/L	1.00	02/25/2004 13:34	
Surrogate(s)						
Trifluorotoluene	87.5	58-124	%	1.00	02/25/2004 13:34	
4-Bromofluorobenzene-FID	85.5	50-150	%	1.00	02/25/2004 13:34	

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: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-2A**	Lab ID:	2004-02-0482 - 2
Sampled:	02/12/2004 09:06	Extracted:	2/20/2004 23:15
Matrix:	Water	QC Batch#:	2004/02/20-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	160	50	ug/L	1.00	02/20/2004 23:15	
Benzene	2.6	0.50	ug/L	1.00	02/20/2004 23:15	
Toluene	4.8	0.50	ug/L	1.00	02/20/2004 23:15	
Ethyl benzene	13	0.50	ug/L	1.00	02/20/2004 23:15	
Xylene(s)	48	0.50	ug/L	1.00	02/20/2004 23:15	
MTBE	7.2	5.0	ug/L	1.00	02/20/2004 23:15	
Surrogate(s)						
Trifluorotoluene	93.0	58-124	%	1.00	02/20/2004 23:15	
4-Bromofluorobenzene-FID	90.0	50-150	%	1.00	02/20/2004 23:15	

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: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-5**	Lab ID:	2004-02-0482 - 3
Sampled:	02/12/2004 10:00	Extracted:	2/20/2004 21:34
Matrix:	Water	QC Batch#:	2004/02/20-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/20/2004 21:34	
Benzene	ND	0.50	ug/L	1.00	02/20/2004 21:34	
Toluene	ND	0.50	ug/L	1.00	02/20/2004 21:34	
Ethyl benzene	ND	0.50	ug/L	1.00	02/20/2004 21:34	
Xylene(s)	ND	0.50	ug/L	1.00	02/20/2004 21:34	
MTBE	ND	5.0	ug/L	1.00	02/20/2004 21:34	
Surrogate(s)						
Trifluorotoluene	95.9	58-124	%	1.00	02/20/2004 21:34	
4-Bromofluorobenzene-FID	89.9	50-150	%	1.00	02/20/2004 21:34	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-6**	Lab ID:	2004-02-0482 - 4
Sampled:	02/12/2004 10:37	Extracted:	2/26/2004 10:38
Matrix:	Water	QC Batch#:	2004/02/26-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1100	1000	ug/L	20.00	02/26/2004 10:38	g
Benzene	ND	10	ug/L	20.00	02/26/2004 10:38	
Toluene	ND	10	ug/L	20.00	02/26/2004 10:38	
Ethyl benzene	ND	10	ug/L	20.00	02/26/2004 10:38	
Xylene(s)	ND	10	ug/L	20.00	02/26/2004 10:38	
MTBE	1900	100	ug/L	20.00	02/26/2004 10:38	
Surrogate(s)						
Trifluorotoluene	87.1	58-124	%	20.00	02/26/2004 10:38	
4-Bromofluorobenzene-FID	80.4	50-150	%	20.00	02/26/2004 10:38	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Method Blank **Water** **QC Batch # 2004/02/20-01.05**

MB: 2004/02/20-01.05-003 Date Extracted: 02/20/2004 07:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/20/2004 07:16	
Benzene	ND	0.5	ug/L	02/20/2004 07:16	
Toluene	ND	0.5	ug/L	02/20/2004 07:16	
Ethyl benzene	ND	0.5	ug/L	02/20/2004 07:16	
Xylene(s)	ND	0.5	ug/L	02/20/2004 07:16	
MTBE	ND	5.0	ug/L	02/20/2004 07:16	
Surrogates(s)					
Trifluorotoluene	102.4	58-124	%	02/20/2004 07:16	
4-Bromofluorobenzene-FID	91.4	50-150	%	02/20/2004 07:16	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030
Method Blank

Water

Test(s): 8015M
QC Batch # 2004/02/25-01.05

MB: 2004/02/25-01.05-003

Date Extracted: 02/25/2004 07:46

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/25/2004 07:46	
Benzene	ND	0.5	ug/L	02/25/2004 07:46	
Toluene	ND	0.5	ug/L	02/25/2004 07:46	
Ethyl benzene	ND	0.5	ug/L	02/25/2004 07:46	
Xylene(s)	ND	0.5	ug/L	02/25/2004 07:46	
MTBE	ND	5.0	ug/L	02/25/2004 07:46	
Surrogates(s)					
Trifluorotoluene	94.8	58-124	%	02/25/2004 07:46	
4-Bromofluorobenzene-FID	85.9	50-150	%	02/25/2004 07:46	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Method Blank **Water** **QC Batch # 2004/02/26-01.05**

MB: 2004/02/26-01.05-003 Date Extracted: 02/26/2004 07:50

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/26/2004 07:50	
Benzene	ND	0.5	ug/L	02/26/2004 07:50	
Toluene	ND	0.5	ug/L	02/26/2004 07:50	
Ethyl benzene	ND	0.5	ug/L	02/26/2004 07:50	
Xylene(s)	ND	0.5	ug/L	02/26/2004 07:50	
MTBE	ND	5.0	ug/L	02/26/2004 07:50	
Surrogates(s)					
Trifluorotoluene	106.8	58-124	%	02/26/2004 07:50	
4-Bromofluorobenzene-FID	94.8	50-150	%	02/26/2004 07:50	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2004/02/20-01.05**

LCS 2004/02/20-01.05-004 Extracted: 02/20/2004 Analyzed: 02/20/2004 07:49
LCSD 2004/02/20-01.05-005 Extracted: 02/20/2004 Analyzed: 02/20/2004 08:23

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	49.5	49.1	50.0	99.0	98.2	0.8	77-123	20		
Toluene	50.1	49.7	50.0	100.2	99.4	0.8	78-122	20		
Ethyl benzene	48.3	48.4	50.0	96.6	96.8	0.2	70-130	20		
Xylene(s)	152	152	150	101.3	101.3	0.0	75-125	20		
Surrogates(s)										
Trifluorotoluene	459	478	500	91.8	95.6		58-124			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/02/20-01.05**

LCS 2004/02/20-01.05-006 Extracted: 02/20/2004 Analyzed: 02/20/2004 08:56
LCSD 2004/02/20-01.05-007 Extracted: 02/20/2004 Analyzed: 02/20/2004 09:30

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	240	229	250	96.0	91.6	4.7	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	432	439	500	86.4	87.8		50-150			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2004/02/25-01.05**

LCS 2004/02/25-01.05-004 Extracted: 02/25/2004 Analyzed: 02/25/2004 08:20
LCSD 2004/02/25-01.05-005 Extracted: 02/25/2004 Analyzed: 02/25/2004 08:54

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	48.6	48.1	50.0	97.2	96.2	1.0	77-123	20		
Toluene	49.3	48.8	50.0	98.6	97.6	1.0	78-122	20		
Ethyl benzene	48.0	47.3	50.0	96.0	94.6	1.5	70-130	20		
Xylene(s)	147	145	150	98.0	96.7	1.3	75-125	20		
Surrogates(s)										
Trifluorotoluene	452	488	500	90.4	97.6		58-124			

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: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/02/25-01.05**

LCS 2004/02/25-01.05-006 Extracted: 02/25/2004 Analyzed: 02/25/2004 09:28
LCSD 2004/02/25-01.05-007 Extracted: 02/25/2004 Analyzed: 02/25/2004 10:01

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	229	227	250	91.6	90.8	0.9	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	428	441	500	85.6	88.2		50-150			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
Attn.: Anju Farfan

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

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2004/02/26-01.05**

LCS 2004/02/26-01.05-004 Extracted: 02/26/2004 Analyzed: 02/26/2004 08:23
LCSD 2004/02/26-01.05-005 Extracted: 02/26/2004 Analyzed: 02/26/2004 08:57

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	53.2	51.0	50.0	106.4	102.0	4.2	77-123	20		
Toluene	53.1	51.6	50.0	106.2	103.2	2.9	78-122	20		
Ethyl benzene	52.7	49.5	50.0	105.4	99.0	6.3	70-130	20		
Xylene(s)	165	152	150	110.0	101.3	8.2	75-125	20		
Surrogates(s)										
Trifluorotoluene	461	487	500	92.2	97.4		58-124			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/02/26-01.05**

LCS 2004/02/26-01.05-006 Extracted: 02/26/2004 Analyzed: 02/26/2004 09:30
LCSD 2004/02/26-01.05-007 Extracted: 02/26/2004 Analyzed: 02/26/2004 10:04

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	226	221	250	90.4	88.4	2.2	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	411	426	500	82.2	85.2		50-150			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Legend and Notes

Result Flag

g

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

SEVERN TRENT STL

Submission#: 2004-02-0482

TRC Alton Geoscience

February 27, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20
Project: Conoco Phillips #0843
Site: 1629 Webster Street, Alameda

Attached is our report for your samples received on 02/13/2004 15:51
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 03/29/2004 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

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission #: 2004-02-0482

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: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-4	02/12/2004 08:13	Water	1
MW-2A	02/12/2004 09:06	Water	2
MW-5	02/12/2004 10:00	Water	3
MW-6	02/12/2004 10:37	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: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-4**	Lab ID:	2004-02-0482 - 1
Sampled:	02/12/2004 08:13	Extracted:	2/25/2004 13:34
Matrix:	Water	QC Batch#:	2004/02/25-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/25/2004 13:34	
Benzene	ND	0.50	ug/L	1.00	02/25/2004 13:34	
Toluene	ND	0.50	ug/L	1.00	02/25/2004 13:34	
Ethyl benzene	ND	0.50	ug/L	1.00	02/25/2004 13:34	
Xylene(s)	ND	0.50	ug/L	1.00	02/25/2004 13:34	
MTBE	ND	5.0	ug/L	1.00	02/25/2004 13:34	
Surrogate(s)						
Trifluorotoluene	87.5	58-124	%	1.00	02/25/2004 13:34	
4-Bromofluorobenzene-FID	85.5	50-150	%	1.00	02/25/2004 13:34	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
Attn.: Anju Farfan

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

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-2A**	Lab ID:	2004-02-0482 - 2
Sampled:	02/12/2004 09:06	Extracted:	2/20/2004 23:15
Matrix:	Water	QC Batch#:	2004/02/20-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	160	50	ug/L	1.00	02/20/2004 23:15	
Benzene	2.6	0.50	ug/L	1.00	02/20/2004 23:15	
Toluene	4.8	0.50	ug/L	1.00	02/20/2004 23:15	
Ethyl benzene	13	0.50	ug/L	1.00	02/20/2004 23:15	
Xylene(s)	48	0.50	ug/L	1.00	02/20/2004 23:15	
MTBE	7.2	5.0	ug/L	1.00	02/20/2004 23:15	
Surrogate(s)						
Trifluorotoluene	93.0	58-124	%	1.00	02/20/2004 23:15	
4-Bromofluorobenzene-FID	90.0	50-150	%	1.00	02/20/2004 23:15	

SEVERN TRENT STL

Submission #: 2004-02-0482

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: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-5**	Lab ID:	2004-02-0482 - 3
Sampled:	02/12/2004 10:00	Extracted:	2/20/2004 21:34
Matrix:	Water	QC Batch#:	2004/02/20-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/20/2004 21:34	
Benzene	ND	0.50	ug/L	1.00	02/20/2004 21:34	
Toluene	ND	0.50	ug/L	1.00	02/20/2004 21:34	
Ethyl benzene	ND	0.50	ug/L	1.00	02/20/2004 21:34	
Xylene(s)	ND	0.50	ug/L	1.00	02/20/2004 21:34	
MTBE	ND	5.0	ug/L	1.00	02/20/2004 21:34	
Surrogate(s)						
Trifluorotoluene	95.9	58-124	%	1.00	02/20/2004 21:34	
4-Bromofluorobenzene-FID	89.9	50-150	%	1.00	02/20/2004 21:34	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
Attn.: Anju Farfan

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

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-6**	Lab ID:	2004-02-0482 - 4
Sampled:	02/12/2004 10:37	Extracted:	2/26/2004 10:38
Matrix:	Water	QC Batch#:	2004/02/26-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1100	1000	ug/L	20.00	02/26/2004 10:38	g
Benzene	ND	10	ug/L	20.00	02/26/2004 10:38	
Toluene	ND	10	ug/L	20.00	02/26/2004 10:38	
Ethyl benzene	ND	10	ug/L	20.00	02/26/2004 10:38	
Xylene(s)	ND	10	ug/L	20.00	02/26/2004 10:38	
MTBE	1900	100	ug/L	20.00	02/26/2004 10:38	
Surrogate(s)						
Trifluorotoluene	87.1	58-124	%	20.00	02/26/2004 10:38	
4-Bromofluorobenzene-FID	80.4	50-150	%	20.00	02/26/2004 10:38	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
Attn.: Anju Farfan

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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Method Blank **Water** **QC Batch # 2004/02/20-01.05**

MB: 2004/02/20-01.05-003 Date Extracted: 02/20/2004 07:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/20/2004 07:16	
Benzene	ND	0.5	ug/L	02/20/2004 07:16	
Toluene	ND	0.5	ug/L	02/20/2004 07:16	
Ethyl benzene	ND	0.5	ug/L	02/20/2004 07:16	
Xylene(s)	ND	0.5	ug/L	02/20/2004 07:16	
MTBE	ND	5.0	ug/L	02/20/2004 07:16	
Surrogates(s)					
Trifluorotoluene	102.4	58-124	%	02/20/2004 07:16	
4-Bromofluorobenzene-FID	91.4	50-150	%	02/20/2004 07:16	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030
Method Blank
MB: 2004/02/25-01.05-003

Water

Test(s): 8015M
QC Batch # 2004/02/25-01.05
Date Extracted: 02/25/2004 07:46

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/25/2004 07:46	
Benzene	ND	0.5	ug/L	02/25/2004 07:46	
Toluene	ND	0.5	ug/L	02/25/2004 07:46	
Ethyl benzene	ND	0.5	ug/L	02/25/2004 07:46	
Xylene(s)	ND	0.5	ug/L	02/25/2004 07:46	
MTBE	ND	5.0	ug/L	02/25/2004 07:46	
Surrogates(s)					
Trifluorotoluene	94.8	58-124	%	02/25/2004 07:46	
4-Bromofluorobenzene-FID	85.9	50-150	%	02/25/2004 07:46	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
Attn.: Anju Farfan

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

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030
Method Blank
MB: 2004/02/26-01.05-003

Water

Test(s): 8015M
QC Batch # 2004/02/26-01.05
Date Extracted: 02/26/2004 07:50

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/26/2004 07:50	
Benzene	ND	0.5	ug/L	02/26/2004 07:50	
Toluene	ND	0.5	ug/L	02/26/2004 07:50	
Ethyl benzene	ND	0.5	ug/L	02/26/2004 07:50	
Xylene(s)	ND	0.5	ug/L	02/26/2004 07:50	
MTBE	ND	5.0	ug/L	02/26/2004 07:50	
Surrogates(s)					
Trifluorotoluene	106.8	58-124	%	02/26/2004 07:50	
4-Bromofluorobenzene-FID	94.8	50-150	%	02/26/2004 07:50	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2004/02/20-01.05**

LCS 2004/02/20-01.05-004 Extracted: 02/20/2004 Analyzed: 02/20/2004 07:49
LCSD 2004/02/20-01.05-005 Extracted: 02/20/2004 Analyzed: 02/20/2004 08:23

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	49.5	49.1	50.0	99.0	98.2	0.8	77-123	20		
Toluene	50.1	49.7	50.0	100.2	99.4	0.8	78-122	20		
Ethyl benzene	48.3	48.4	50.0	96.6	96.8	0.2	70-130	20		
Xylene(s)	152	152	150	101.3	101.3	0.0	75-125	20		
Surrogates(s)										
Trifluorotoluene	459	478	500	91.8	95.6		58-124			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/02/20-01.05**

LCS 2004/02/20-01.05-006 Extracted: 02/20/2004 Analyzed: 02/20/2004 08:56
LCSD 2004/02/20-01.05-007 Extracted: 02/20/2004 Analyzed: 02/20/2004 09:30

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	240	229	250	96.0	91.6	4.7	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	432	439	500	86.4	87.8		50-150			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2004/02/25-01.05**

LCS 2004/02/25-01.05-004 Extracted: 02/25/2004 Analyzed: 02/25/2004 08:20
LCSD 2004/02/25-01.05-005 Extracted: 02/25/2004 Analyzed: 02/25/2004 08:54

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	48.6	48.1	50.0	97.2	96.2	1.0	77-123	20		
Toluene	49.3	48.8	50.0	98.6	97.6	1.0	78-122	20		
Ethyl benzene	48.0	47.3	50.0	96.0	94.6	1.5	70-130	20		
Xylene(s)	147	145	150	98.0	96.7	1.3	75-125	20		
Surrogates(s)										
Trifluorotoluene	452	488	500	90.4	97.6		58-124			

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: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/02/25-01.05**

LCS 2004/02/25-01.05-006 Extracted: 02/25/2004 Analyzed: 02/25/2004 09:28
LCSD 2004/02/25-01.05-007 Extracted: 02/25/2004 Analyzed: 02/25/2004 10:01

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	229	227	250	91.6	90.8	0.9	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	428	441	500	85.6	88.2		50-150			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2004/02/26-01.05**

LCS 2004/02/26-01.05-004 Extracted: 02/26/2004 Analyzed: 02/26/2004 08:23
LCSD 2004/02/26-01.05-005 Extracted: 02/26/2004 Analyzed: 02/26/2004 08:57

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	53.2	51.0	50.0	106.4	102.0	4.2	77-123	20		
Toluene	53.1	51.6	50.0	106.2	103.2	2.9	78-122	20		
Ethyl benzene	52.7	49.5	50.0	105.4	99.0	6.3	70-130	20		
Xylene(s)	165	152	150	110.0	101.3	8.2	75-125	20		
Surrogates(s)										
Trifluorotoluene	461	487	500	92.2	97.4		58-124			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
Attn.: Anju Farfan

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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/02/26-01.05**

LCS 2004/02/26-01.05-006 Extracted: 02/26/2004 Analyzed: 02/26/2004 09:30
LCSD 2004/02/26-01.05-007 Extracted: 02/26/2004 Analyzed: 02/26/2004 10:04

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	226	221	250	90.4	88.4	2.2	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	411	426	500	82.2	85.2		50-150			

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: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Legend and Notes

Result Flag

g

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

SEVERN TRENT STL

Submission #: 2004-02-0482

Gas/BTEX Fuel Oxygenates by 8260B

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: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-2A	02/12/2004 09:06	Water	2

Gas/BTEX Fuel Oxygenates by 8260B

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: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-2A**	Lab ID:	2004-02-0482 - 2
Sampled:	02/12/2004 09:06	Extracted:	2/23/2004 12:37
Matrix:	Water	QC Batch#:	2004/02/23-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	02/23/2004 12:37	
Methyl tert-butyl ether (MTBE)	7.9	2.0	ug/L	1.00	02/23/2004 12:37	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	02/23/2004 12:37	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	02/23/2004 12:37	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	02/23/2004 12:37	
1,2-DCA	ND	2.0	ug/L	1.00	02/23/2004 12:37	
EDB	ND	2.0	ug/L	1.00	02/23/2004 12:37	
Ethanol	ND	500	ug/L	1.00	02/23/2004 12:37	
Surrogate(s)						
Toluene-d8	106.0	88-110	%	1.00	02/23/2004 12:37	
1,2-Dichloroethane-d4	112.4	76-114	%	1.00	02/23/2004 12:37	

Gas/BTEX Fuel Oxygenates by 8260B

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: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260FAB
QC Batch # 2004/02/23-1B.65

MB: 2004/02/23-1B.65-053

Date Extracted: 02/23/2004 10:53

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	100	ug/L	02/23/2004 10:53	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	02/23/2004 10:53	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	02/23/2004 10:53	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	02/23/2004 10:53	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	02/23/2004 10:53	
1,2-DCA	ND	2.0	ug/L	02/23/2004 10:53	
EDB	ND	2.0	ug/L	02/23/2004 10:53	
Ethanol	ND	500	ug/L	02/23/2004 10:53	
Surrogates(s)					
1,2-Dichloroethane-d4	111.2	76-114	%	02/23/2004 10:53	
Toluene-d8	103.2	88-110	%	02/23/2004 10:53	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

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Project: 41050001FA20
Conoco Phillips #0843

Received: 02/13/2004 15:51

Site: 1629 Webster Street, Alameda

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2004/02/23-1B.65**

LCS 2004/02/23-1B.65-015 Extracted: 02/23/2004 Analyzed: 02/23/2004 09:15

LCSD 2004/02/23-1B.65-039 Extracted: 02/23/2004 Analyzed: 02/23/2004 09:39

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.7	28.2	25	106.8	112.8	5.5	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	567	511	500	113.4	102.2		76-114			
Toluene-d8	517	506	500	103.4	101.2		88-110			

TRENT

STL San Francisco

Sample Receipt Checklist

Submission #:2004- 02 - 0482

Checklist completed by: (initials) DSH Date: 02/15/04

Courier name: ☑ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes___ No___	Not Present ✓
Chain of custody present?	Yes ✓ No___	
Chain of custody signed when relinquished and received?	Yes ✓ No___	
Chain of custody agrees with sample labels?	Yes ✓ No___	
Samples in proper container/bottle?	Yes ✓ No___	
Sample containers intact?	Yes ✓ No___	
Sufficient sample volume for indicated test?	Yes ✓ No___	
All samples received within holding time?	Yes___ No ✓	
Container/Temp Blank temperature in compliance (4^0 C ± 2)?	Temp: 3.1 °C Yes ✓ No___	
	Ice Present Yes ✓ No___	
Water - VOA vials have zero headspace?	No VOA vials submitted ✓ Yes___ No___	

(if bubble is present, refer to approximate bubble size and itemize in comments as **S** (small ~O), **M** (medium ~ O) or **L** (large ~ O)

Water - **pH acceptable upon receipt?** ☑ Yes ☐ No

☐ **pH adjusted**– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –**Lot #(s)** _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: 1 voa vial broken for sample MW-4

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/04

Client contacted: ☐ Yes ☐ No

Summary of discussion:

Corrective Action (per PM/Client):

2004-02-0482

ConocoPhillips Chain Of Custody Record

82973

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS
Attn: Dee Hutchinson
3611 South Harbor, Suite 200
Santa Ana, CA. 92704

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

DATE: 2-12-04

PAGE: 1 of 1

SAMPLING COMPANY: TRC	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: 0893	GLOBAL ID NO.: T0600102263
ADDRESS: 21 Technology Drive, Irvine CA 92618		SITE ADDRESS (Street and City): 1629 Webster Street Alameda	CONOCOPHILLIPS SITE MANAGER:
PROJECT CONTACT (Hardcopy or PDF Report to): Anju Farfan		EDF DELIVERABLE TO (RP or Designee): Peter Thomson, TRC pthomson@trcsolutions.com	PHONE NO.: 949-341-7408
TELEPHONE: 949-341-7440	FAX: 949-753-0111	E-MAIL: afarfan@trcsolutions.com	E-MAIL:
SAMPLER NAME(S) (Print): David Tenney	CONSULTANT PROJECT NUMBER: 41050001/FA20		LAB USE ONLY

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 EDD IS NEEDED ☑

Run 8 OXYS by 8260 on all 8021 MTBE hits for wells MW-4, MW-5, MW-6

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - ~~TPHg/BTEX~~ / 8 Oxygenates	8260B - TPHg / BTEX / 8 oyxgenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP
	MW-4	2-12-04	0813	GW	9							X	
	MW-2A		0906					X					
	MW-5		1000										
	MW-6		1037										

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

3.1

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature) David Tenney	Received by: (Signature) Refrigerator	Date: 2-12-04	Time: 1213
Relinquished by: (Signature) 2/13/04 1551	Received by: (Signature)	Date: 2/13/04	Time: 1101
Relinquished by: (Signature)	Received by: (Signature)	Date: 2-13-04	Time: 1557

9/19/03 Revision

STATEMENTS

Purge Water Transport and Disposal

Non-hazardous groundwater produced during purging and sampling 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 suspected of containing potentially hazardous material, such as liquid-phase hydrocarbons, was accumulated separately in a drum 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.