R0298

TRC

Customer-Focused Solutions

March 29, 2004

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: 76 STATION 4625
3070 FRUITVALE AVENUE
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2004

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for 76 Station 4625, located at 3070 Fruitvale Avenue, Oakland, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Alna Farfan
-For-

Anju Farfan
QMS Operations Manager

CC: Mr. Don Huang, Alameda County Health Care Services
Ms. Barbara Moed, TRC

Enclosures
20-0400/4625R02.QMS

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

TRC

Customer-Focused Solutions

FIRST QUARTER 2004 FLUID LEVEL MONITORING AND GROUNDWATER SAMPLING REPORT

March 29, 2004

76 Station 4625
3070 Fruitvale Avenue
Oakland, 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

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Summary of Gauging and Sampling Activities
January 2004 through March 2004
76 Station 4625
3070 Fruitvale Avenue
Oakland, CA

Site Information:

Site:	76 Station 3070 Fruitvale Avenue Oakland, CA
Project Coordinator/Phone Number:	Thomas Kosel/916-558-7666
Groundwater wells onsite:	7
Groundwater wells offsite:	0

Field Activity:

Sampling consultant:	TRC
Date(s) sampled:	1/29/2004
Groundwater wells gauged:	7
Groundwater wells sampled:	6
Purging method:	diaphragm pump
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):	6.52
Maximum depth to groundwater (feet bgs):	8.7
Average groundwater elevation (feet relative to mean sea level):	130.71
Average change in groundwater elevations since previous event (feet):	3.06
Groundwater gradient and flow direction:	0.03 ft/ft, Southwest
Previous gradient and/or flow direction (and date):	0.01 ft/ft, West (10/30/2003)

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:	3
Minimum benzene concentration (µg/l):	ND
Maximum benzene concentration (µg/l):	750 (MW-5)
Minimum MTBE concentration (µg/l):	ND
Maximum MTBE concentration (µg/l):	1100
Minimum TPPH concentration (µg/l):	ND
Maximum TPPH concentration (µg/l):	6300 (MW-5)
Groundwater wells with free product:	0
Minimum free product thickness (feet):	0
Maximum free product thickness (feet):	0

Additional Information:

USTW=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:

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 76 Station 4625 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

January 29, 2004

76 Station 4625

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: 5.0-25.0)**												
1/29/2004	137.57	6.72	0.00	130.85	3.23	--	74	ND<0.50	4.3	ND<0.50	ND<1.0	--	12	
MW-2		**(Screen Interval in feet: 5.0-25.0)**												
1/29/2004	139.85	8.35	0.00	131.50	3.92	--	98	4.3	ND<0.50	1.5	3.6	--	ND<2.0	
MW-3		**(Screen Interval in feet: 5.0-25.0)**												
1/29/2004	138.89	6.58	0.00	132.31	4.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-4		**(Screen Interval in feet: 5.0-25.0)**												
1/29/2004	137.81	8.22	0.00	129.59	2.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-5		**(Screen Interval in feet: 5.0-25.0)**												
1/29/2004	137.66	8.70	0.00	128.96	1.88	--	6300	750	56	400	1000	--	1100	
MW-6		**(Screen Interval in feet: 5.0-25.0)**												
1/29/2004	138.88	7.81	0.00	131.07	2.62	--	400	58	21	14	65	--	62	
USTW		**(Screen Interval in feet: DNA)**												
1/29/2004	--	6.52	0.00	--	--	--	--	--	--	--	--	--	--	Monitored Only

Table 2
HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
May 2000 Through January 2004
76 Station 4625

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: 5.0-25.0)**													
7/28/2000	136.36	7.79	--	128.57	--	--	--	--	--	--	--	--	--	
10/29/2000	136.36	7.90	--	128.46	-0.11	--	--	--	--	--	--	--	--	
2/9/2001	136.36	7.95	--	128.41	-0.05	--	--	--	--	--	--	--	--	
5/11/2001	136.36	7.22	--	129.14	0.73	--	--	--	--	--	--	--	--	
8/10/2001	136.36	8.47	0.00	127.89	-1.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	17	19	
11/7/2001	136.36	8.10	0.00	128.26	0.37	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	22	26	
2/6/2002	136.36	6.84	0.00	129.52	1.26	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	14	18	
5/8/2002	136.36	7.29	0.00	129.07	-0.45	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	20	19	
8/9/2002	136.36	8.20	0.00	128.16	-0.91	--	57	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	22	
11/26/2002	136.36	7.78	0.00	128.58	0.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	23	
2/14/2003	137.57	6.90	0.00	130.67	2.09	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.8	
5/3/2003	137.57	7.36	0.00	130.21	-0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.4	
8/1/2003	137.57	7.48	0.00	130.09	-0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.7	
10/30/2003	136.36	8.74	0.00	127.62	-2.47	--	300	35	41	21	71	--	8.5	
1/29/2004	137.57	6.72	0.00	130.85	3.23	--	74	ND<0.50	4.3	ND<0.50	ND<1.0	--	12	
MW-2	**(Screen Interval in feet: 5.0-25.0)**													
5/3/2000	138.64	8.59	0.00	130.05	--	2400	--	53	--	--	240	--	--	
7/28/2000	138.64	9.95	0.00	128.69	-1.36	2200	--	680	4.1	57	270	24	--	
10/29/2000	138.64	8.38	0.00	130.26	1.57	490	--	67	--	23	22	--	--	
2/9/2001	138.64	8.41	0.00	130.23	-0.03	--	--	3.1	--	0.52	1.1	--	--	
5/11/2001	138.64	8.93	0.00	129.71	-0.52	--	--	1.99	--	--	--	--	--	
8/10/2001	138.64	10.68	0.00	127.96	-1.75	96	--	20	ND<0.50	2.1	9.4	ND<5.0	--	
11/7/2001	138.64	10.01	0.00	128.63	0.67	480	--	110	ND<1.0	26	42	ND<10	--	
2/6/2002	138.64	8.10	0.00	130.54	1.91	69	--	13	ND<0.50	0.84	4.4	ND<5.0	--	
5/8/2002	138.64	9.16	0.00	129.48	-1.06	53	--	13	ND<0.50	1.2	1.5	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-4 continued														
5/11/2001	136.60	7.51	--	129.09	-1.37	--	--	--	--	--	--	--	--	
8/10/2001	136.60	8.66	0.00	127.94	-1.15	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
11/7/2001	136.60	7.92	0.00	128.68	0.74	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
2/6/2002	136.60	7.18	0.00	129.42	0.74	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
5/8/2002	136.60	6.86	0.00	129.74	0.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
8/9/2002	136.60	7.67	0.00	128.93	-0.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/26/2002	136.60	8.08	0.00	128.52	-0.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
2/14/2003	137.81	7.43	0.00	130.38	1.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
5/3/2003	137.81	6.05	0.00	131.76	1.38	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
8/1/2003	137.81	8.21	0.00	129.60	-2.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/30/2003	136.60	9.04	0.00	127.56	-2.04	--	ND<50	1.1	2.3	2.2	7.0	--	ND<2.0	
1/29/2004	137.81	8.22	0.00	129.59	2.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-5	**(Screen Interval in feet: 5.0-25.0)**													
11/26/2002	137.66	9.89	0.00	127.77	--	--	2500	350	39	32	640	--	470	
2/14/2003	137.66	8.65	0.00	129.01	1.24	--	6600	920	210	430	1300	--	960	
5/3/2003	137.66	8.23	0.00	129.43	0.42	--	33000	2400	2200	2000	7600	--	1500	
8/1/2003	137.66	9.63	0.00	128.03	-1.40	--	16000	2600	2300	740	2900	--	660	
10/30/2003	137.66	10.58	0.00	127.08	-0.95	--	1400	75	43	39	140	--	330	
1/29/2004	137.66	8.70	0.00	128.96	1.88	--	6300	750	56	400	1000	--	1100	
MW-6	**(Screen Interval in feet: 5.0-25.0)**													
11/26/2002	138.88	9.19	0.00	129.69	--	--	11000	1200	2000	400	2300	--	490	
2/14/2003	138.88	7.76	0.00	131.12	1.43	--	13000	2300	1900	560	2300	--	360	
5/3/2003	138.88	6.62	0.00	132.26	1.14	--	4300	1000	640	260	990	--	300	
8/1/2003	138.88	9.05	0.00	129.83	-2.43	--	14000	880	130	630	2000	--	630	
10/30/2003	138.88	10.43	0.00	128.45	-1.38	--	2900	420	260	120	480	--	450	
1/29/2004	138.88	7.81	0.00	131.07	2.62	--	400	58	21	14	65	--	62	
USTW	**(Screen Interval in feet: DNA)**													
8/1/2003	--	8.99	--	--	--	--	--	--	--	--	--	--	--	
10/30/2003	--	10.44	0.00	--	--	--	--	--	--	--	--	--	--	Monitored Only

Date Sampled	TPH-D (µg/l)	TRPH (mg/l)	Styrene (µg/l)	cis-1,3-dichloropropene (µg/l)	trans-1,3-Dichloropropene (µg/l)	1,4-Dichlorobenzene (µg/l)	EDC (µg/l)	Vinyl acetate (µg/l)	MIBK (µg/l)	Chlorobenzene (µg/l)	2-Chloroethyl vinyl (µg/l)	DBCM (µg/l)	PCE (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)
MW-3 continued															
1/29/2004	ND<50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<2.7	ND<0.50	ND<25	ND<50	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-4															
2/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5															
11/26/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/3/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/2003	--	--	--	--	--	--	ND<10	--	--	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	ND<20	--	--	--	--	--	--	--	--
MW-6															
11/26/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/3/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/2003	--	--	--	--	--	--	ND<20	--	--	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--

Table 3b
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
76 Station 4625

Date Sampled	1,3-Dichloro-benzene (µg/l)	Carbon Tetra-chloride (µg/l)	2-Hexanone (µg/l)	Acetone (µg/l)	Chloro-form (µg/l)	1,1,1-TCE (µg/l)	Bromo-methane (µg/l)	Chloro-methane (µg/l)	Chloro-ethane (µg/l)	Vinyl chloride (µg/l)	Methylene chloride (µg/l)	Carbon Disulfide (µg/l)	Bromoform (µg/l)	BDCM (µg/l)	1,1-DCA (µg/l)
MW-1															
8/10/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/7/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/6/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/8/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/9/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/26/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/3/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2															
8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3															
8/10/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/7/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/6/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/8/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/9/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/26/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/3/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/2003	ND<0.50	ND<0.50	ND<50	ND<50	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<5.0	ND<5.0	ND<0.50	ND<1.0	ND<0.50

Date Sampled	1,3-Dichloro-benzene (µg/l)	Carbon Tetra-chloride (µg/l)	2-Hexanone (µg/l)	Acetone (µg/l)	Chloro-form (µg/l)	1,1,1-TCE (µg/l)	Bromo-methane (µg/l)	Chloro-methane (µg/l)	Chloro-ethane (µg/l)	Vinyl chloride (µg/l)	Methylene chloride (µg/l)	Carbon Disulfide (µg/l)	Bromoform (µg/l)	BDCM (µg/l)	1,1-DCA (µg/l)
MW-3 continued															
1/29/2004	ND<0.50	ND<0.50	ND<50	ND<50	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<5.0	ND<5.0	ND<0.50	ND<0.50	ND<0.50
MW-4															
2/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5															
11/26/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/3/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6															
11/26/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/3/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3d
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
76 Station 4625

Date Sampled	Bromo-benzene (µg/l)	1,2,4-Trichloro-benzene (µg/l)	sec-Butyl-benzene (µg/l)	1,3-Dichloro-propane (µg/l)	1,1-Dichloro-propene (µg/l)	2,2-Dichloro-propane (µg/l)	1,1,1,2-Tetrachloro ethane (µg/l)	Dibromo-methane (µg/l)	Bromo-chloro-methane (µg/l)	1,2,3-Trichloro-benzene (µg/l)	HCBD (µg/l)	2-Chloro-toluene (µg/l)	1,2,4-Trimethyl-benzene (µg/l)	DBCP (µg/l)	tert-Butyl-benzene (µg/l)
MW-1															
8/10/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/7/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/6/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/8/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/9/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/26/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/3/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2															
8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3															
8/10/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/7/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/6/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/8/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/9/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/26/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/3/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/2003	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<1.0

Table 3e
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
76 Station 4625

Date Sampled	Isopropyl-benzene (µg/l)	p-Isopropyl-toluene (µg/l)	Naphth-alene (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Acenaph-thylene (µg/l)	Acenaph-thene (µg/l)	Fluorene (µg/l)	Phenan-threne (µg/l)	Anthra-cene (µg/l)	Fluoran-thene (µg/l)	Pyrene (µg/l)	Benzo (a)Anth-racene (µg/l)
MW-1															
8/10/2001	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
11/7/2001	--	--	--	ND<1.0	ND<20	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
2/6/2002	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
5/8/2002	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
8/9/2002	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
11/26/2002	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
2/14/2003	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
5/3/2003	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
8/1/2003	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
10/30/2003	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2															
8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3															
8/10/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/7/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/6/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/8/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/9/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/26/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/3/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/2003	ND<0.50	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--	--

Date Sampled	Isopropyl-benzene (µg/l)	p-Isopropyl-toluene (µg/l)	Naphth-alene (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Acenaph-thylene (µg/l)	Acenaph-thene (µg/l)	Fluorene (µg/l)	Phenan-threne (µg/l)	Anthra-cene (µg/l)	Fluoran-thene (µg/l)	Pyrene (µg/l)	Benzo (a)Anth-racene (µg/l)
MW-3 continued															
1/29/2004	ND<0.50	ND<1.0	ND<1.0	--	--	--	--	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7
MW-4															
2/14/2003	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5															
11/26/2002	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--	--	--	--	--	--
2/14/2003	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--	--	--	--	--	--
5/3/2003	--	--	--	ND<200	ND<10000	ND<200	ND<200	--	--	--	--	--	--	--	--
8/1/2003	--	--	--	ND<80	ND<4000	ND<80	ND<80	--	--	--	--	--	--	--	--
10/30/2003	--	--	--	ND<10	ND<500	ND<10	ND<10	--	--	--	--	--	--	--	--
1/29/2004	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--	--	--	--	--	--
MW-6															
11/26/2002	--	--	--	ND<40	ND<2000	ND<40	ND<40	--	--	--	--	--	--	--	--
2/14/2003	--	--	--	ND<40	ND<2000	ND<40	ND<40	--	--	--	--	--	--	--	--
5/3/2003	--	--	--	ND<100	ND<5000	ND<100	ND<100	--	--	--	--	--	--	--	--
8/1/2003	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--	--	--	--	--	--
10/30/2003	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--	--	--	--	--	--
1/29/2004	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--

Table 3f
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
76 Station 4625

Date Sampled	Chrysene (µg/l)	B(b)Fl (µg/l)	B(k)F (µg/l)	Benzo(a) Pyrene (µg/l)	DB(a,h)A (µg/l)	Benzo (g,h,i)-Perylene (µg/l)	Indeno (1,2,3c,d)-Pyrene (µg/l)	Ethanol 8260B (µg/l)	Bis(2-ethylhexyl) - phthalate (µg/l)	2-Methyl-phenol (µg/l)	4-Methyl-phenol (µg/l)	Chromium (mg/l)	TOG (mg/l)	1,2 DCE (µg/l)
MW-1														
8/10/2001	--	--	--	--	--	--	--	ND<1000	--	--	--	--	--	ND<2.0
11/7/2001	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<1.0
2/6/2002	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0
5/8/2002	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0
8/9/2002	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0
11/26/2002	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0
2/14/2003	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0
5/3/2003	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0
8/1/2003	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0
10/30/2003	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
MW-2														
8/1/2003	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
10/30/2003	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
MW-3														
8/10/2001	--	--	--	--	--	--	--	--	--	--	--	ND<0.010	ND<5.0	--
11/7/2001	--	--	--	--	--	--	--	--	--	--	--	ND<0.010	ND<5.0	--
2/6/2002	--	--	--	--	--	--	--	--	--	--	--	0.11	ND<5.0	--
5/8/2002	--	--	--	--	--	--	--	--	--	--	--	0.037	ND<5.2	0.69
8/9/2002	--	--	--	--	--	--	--	--	--	--	--	0.7	ND<1.0	--
11/26/2002	--	--	--	--	--	--	--	--	--	--	--	0.34	ND<1.0	--
2/14/2003	--	--	--	--	--	--	--	--	--	--	--	0.074	ND<1.0	--
5/3/2003	--	--	--	--	--	--	--	--	--	--	--	0.48	ND<1.0	--
8/1/2003	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
10/30/2003	--	--	--	--	--	--	--	ND<500	--	--	--	0.13	ND<1.0	--

Date Sampled	Chrysene (µg/l)	B(b)Fl (µg/l)	B(k)F (µg/l)	Benzo(a) Pyrene (µg/l)	DB(a,h)A (µg/l)	Benzo (g,h,i)-Perylene (µg/l)	Indeno (1,2,3c,d)-Pyrene (µg/l)	Ethanol 8260B (µg/l)	Bis(2-ethylhexyl) - phthalate (µg/l)	2-Methyl-phenol (µg/l)	4-Methyl-phenol (µg/l)	Chromium (mg/l)	TOG (mg/l)	1,2 DCE (µg/l)
MW-3 continued														
1/29/2004	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<500	ND<14	ND<2.7	ND<2.7	0.027	--	--
MW-4														
2/14/2003	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0
8/1/2003	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
10/30/2003	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
MW-5														
11/26/2002	--	--	--	--	--	--	--	ND<5000	--	--	--	--	--	ND<20
2/14/2003	--	--	--	--	--	--	--	ND<5000	--	--	--	--	--	ND<20
5/3/2003	--	--	--	--	--	--	--	ND<50000	--	--	--	--	--	ND<200
8/1/2003	--	--	--	--	--	--	--	ND<20000	--	--	--	--	--	ND<80
10/30/2003	--	--	--	--	--	--	--	ND<2500	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	ND<5000	--	--	--	--	--	--
MW-6														
11/26/2002	--	--	--	--	--	--	--	ND<10000	--	--	--	--	--	ND<40
2/14/2003	--	--	--	--	--	--	--	ND<10000	--	--	--	--	--	ND<40
5/3/2003	--	--	--	--	--	--	--	ND<25000	--	--	--	--	--	ND<100
8/1/2003	--	--	--	--	--	--	--	ND<50000	--	--	--	--	--	ND<20
10/30/2003	--	--	--	--	--	--	--	ND<5000	--	--	--	--	--	--
1/29/2004	--	--	--	--	--	--	--	ND<500	--	--	--	--	--	--

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 East Quadrangle

VICINITY MAP

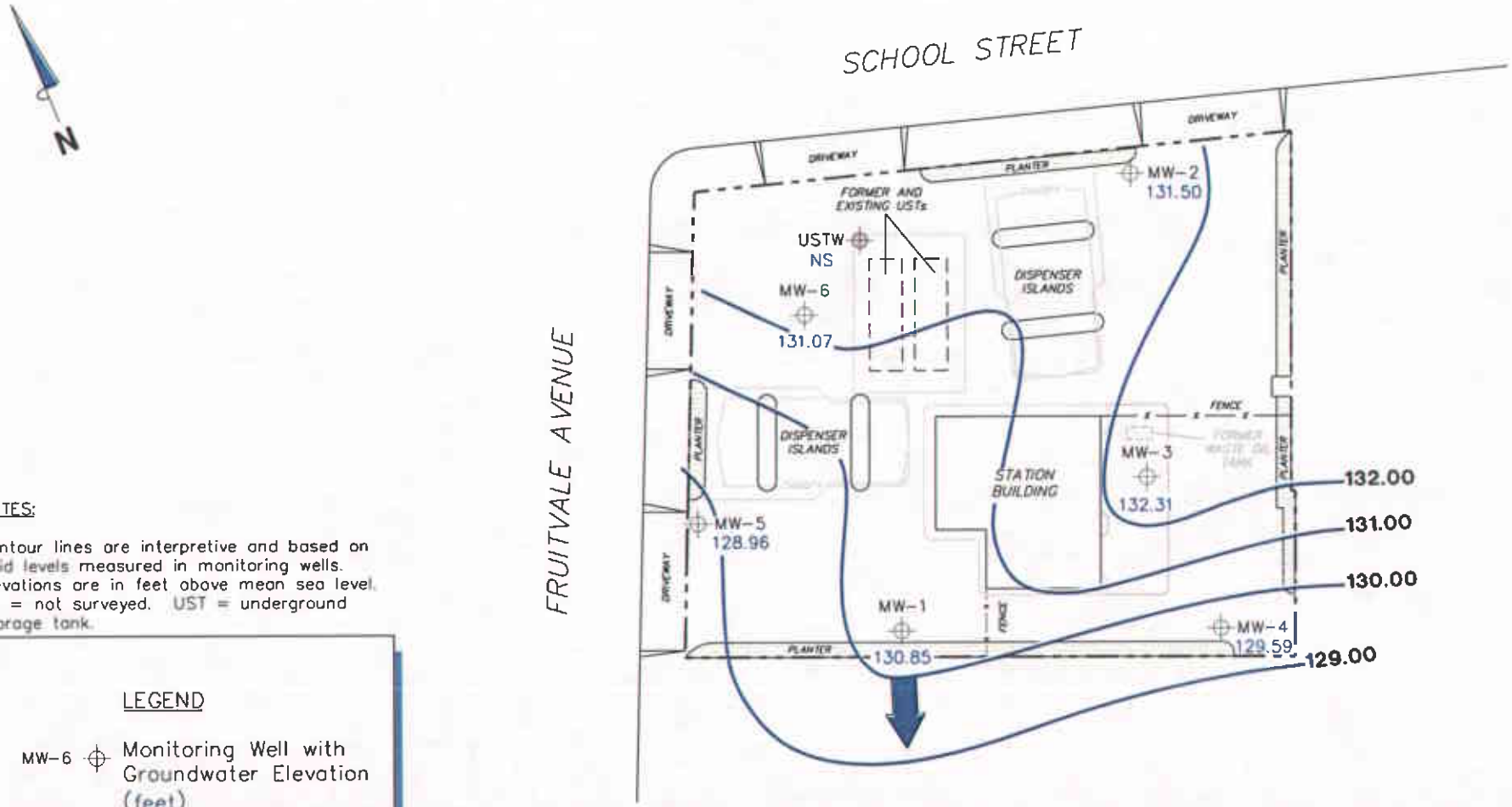
76 Station 4625
3070 Fruitvale Avenue
Oakland, California

TRC

FIGURE 1

PS = 1:1

Graphics on Ir1(i:)\VICINITY MAPS\4625vm.dwg 11/20/03 jw



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. NS = not surveyed. UST = underground storage tank.

LEGEND

- MW-6 ⊕ Monitoring Well with Groundwater Elevation (feet)
- USTW ⊕ UST Observation Well
- 132.00 —— Groundwater Elevation Contour
- ➡ General Direction of Groundwater Flow

SCALE (FEET)

0 40

PS=1:1

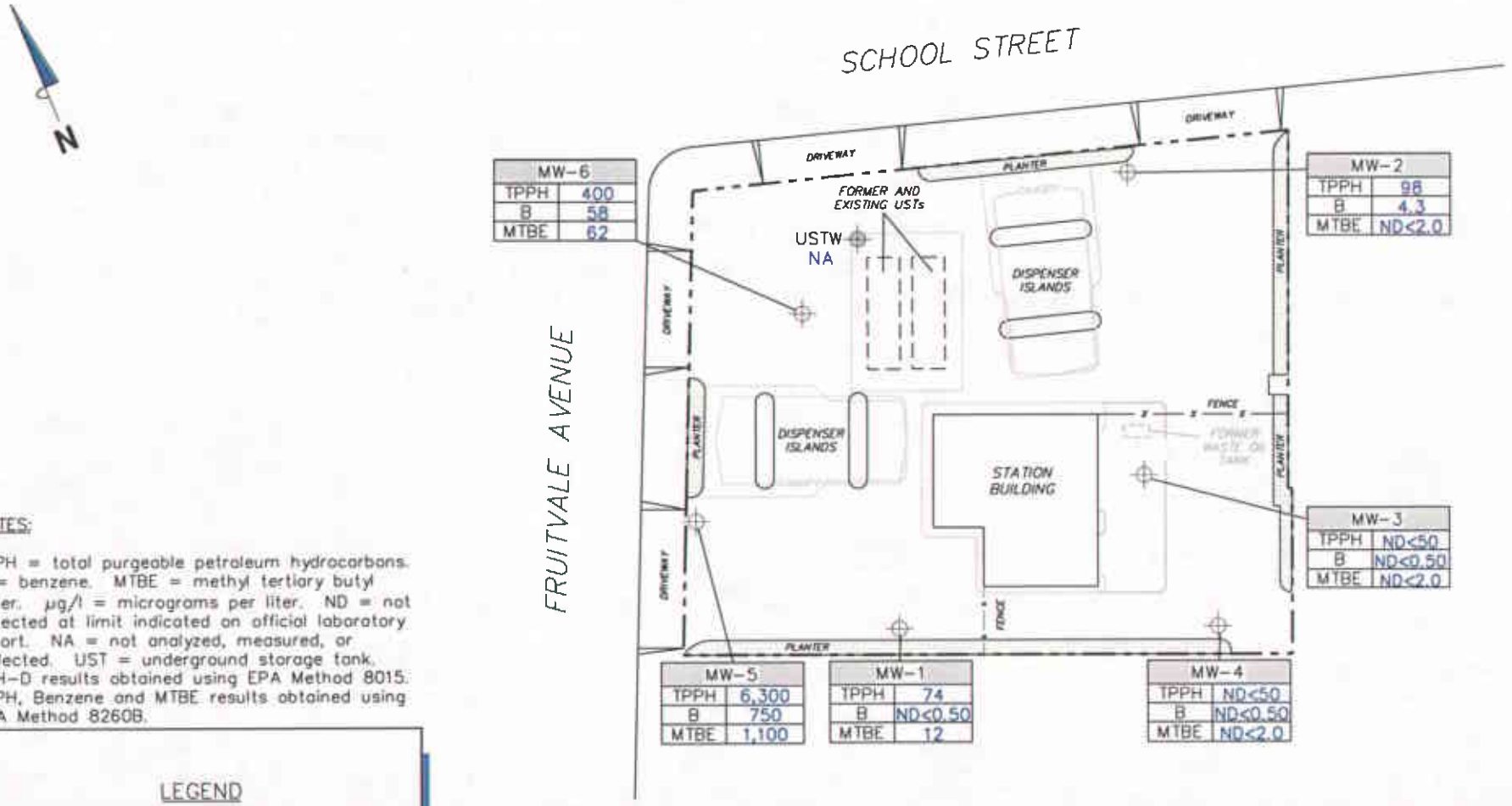
TRC

GROUNDWATER ELEVATION CONTOUR MAP
January 29, 2004

76 Station 4625
3070 Fruitvale Avenue
Oakland, California

FIGURE 2

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\4625+\4625-GMS.dwg 3/4/04 cme



NOTES:

TPPH = total purgeable petroleum hydrocarbons. 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. TPH-D results obtained using EPA Method 8015. TPPH, Benzene and MTBE results obtained using EPA Method 8260B.

LEGEND

Well No.
TPPH µg/l
B µg/l
MTBE µg/l

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

USTW UST Observation Well

TRC

SCALE (FEET)

0 40

PS=1:1

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS MAP
January 29, 2004

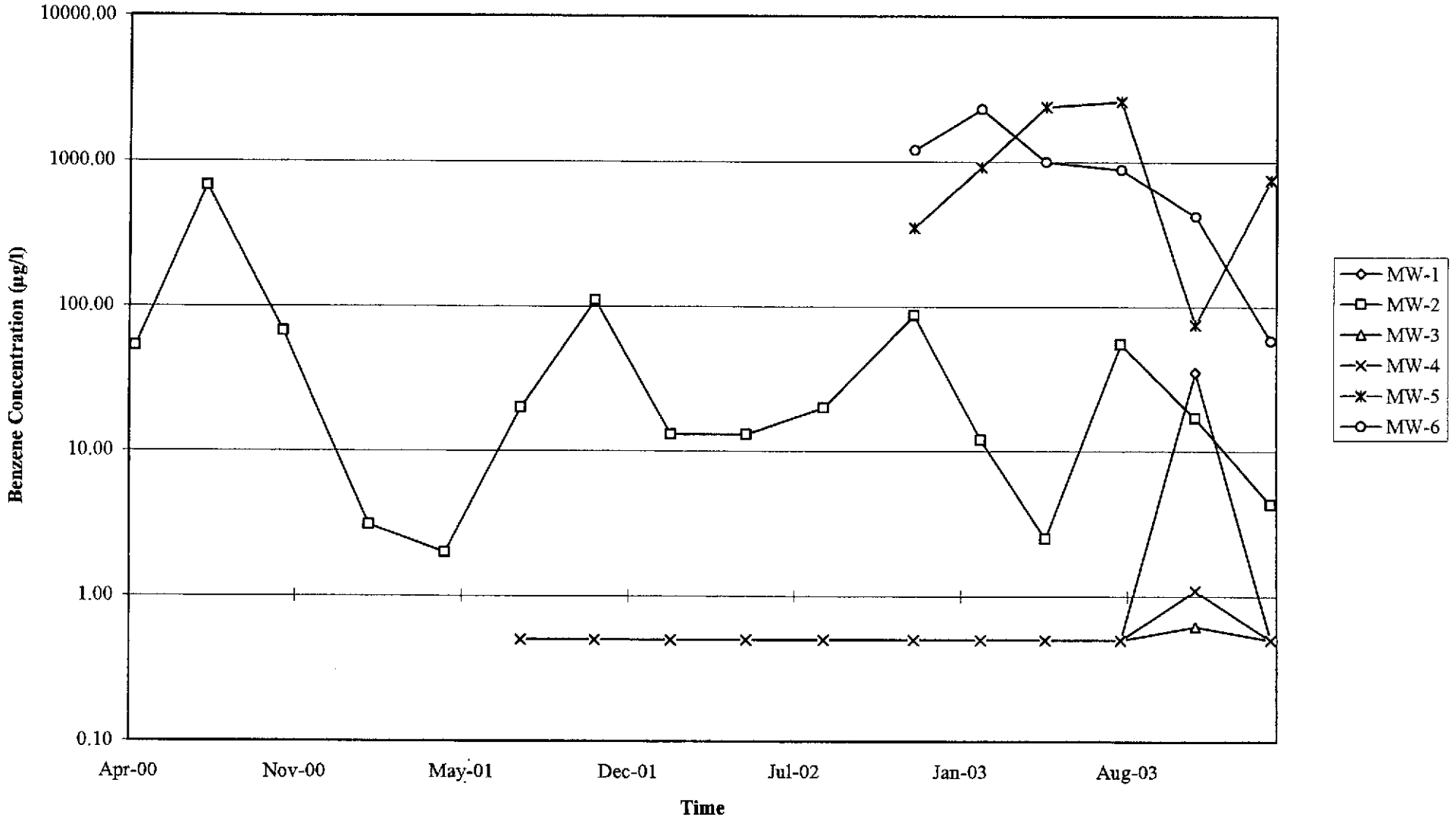
76 Station 4625
3070 Fruitvale Avenue
Oakland, California

FIGURE 3

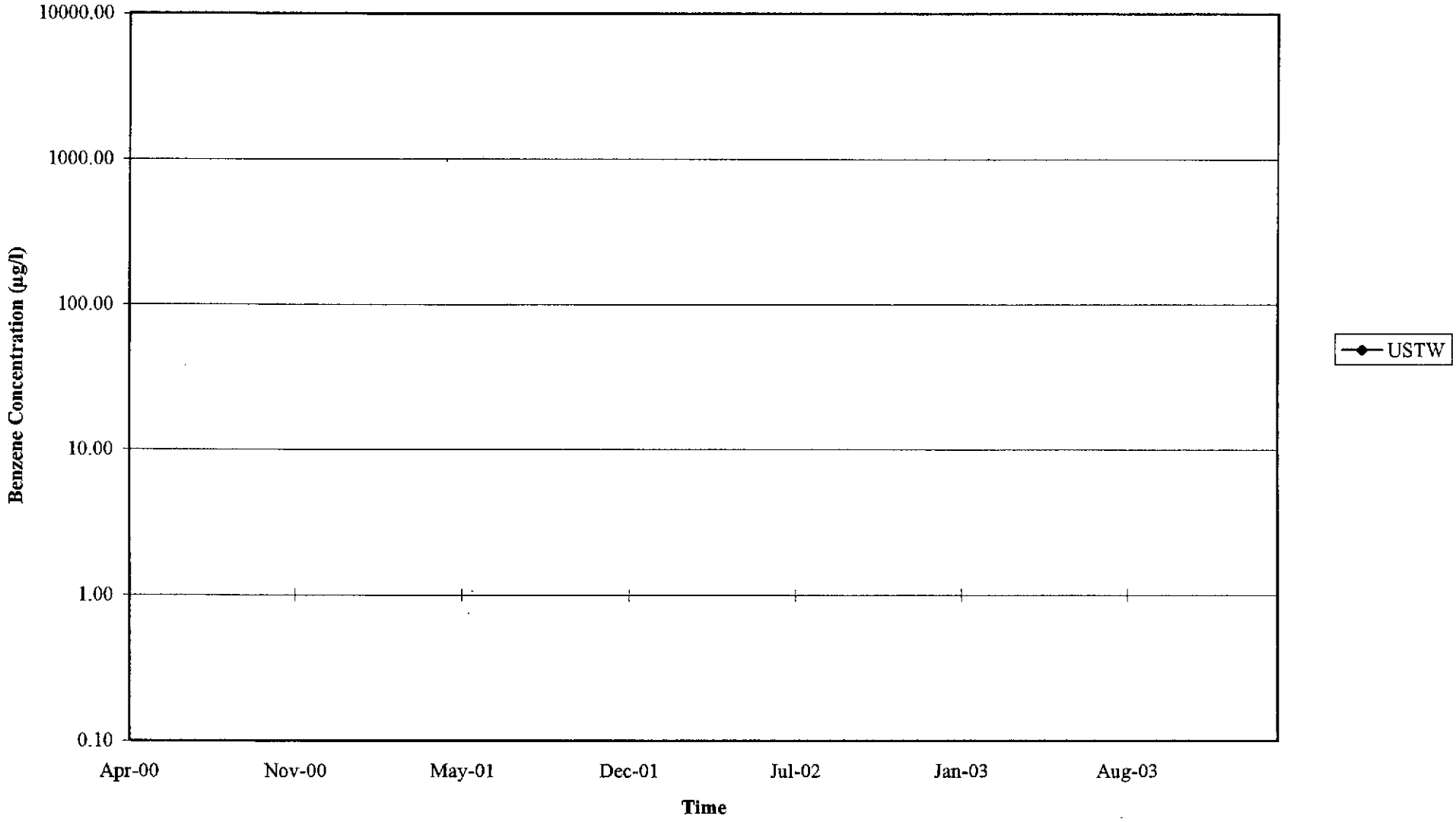
Graphics on Ir1(I:)\GRAPHICS\Projects By..\20-xxxx\20-0400\4625+\4625-DMS.dwg 3/4/04 cme

GRAPHS

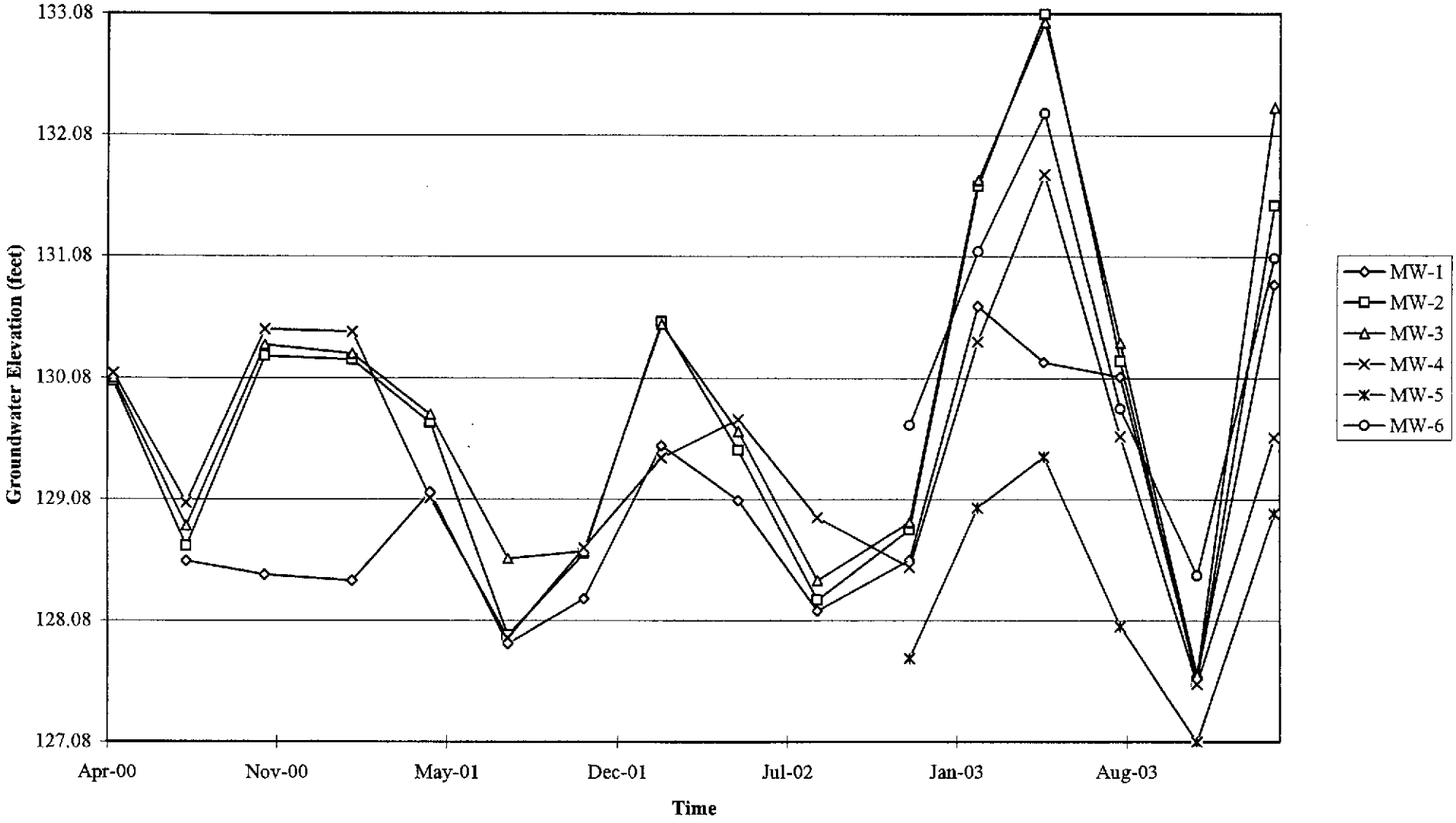
Graph 1
Benzene Concentrations vs. Time
76 Station 4625



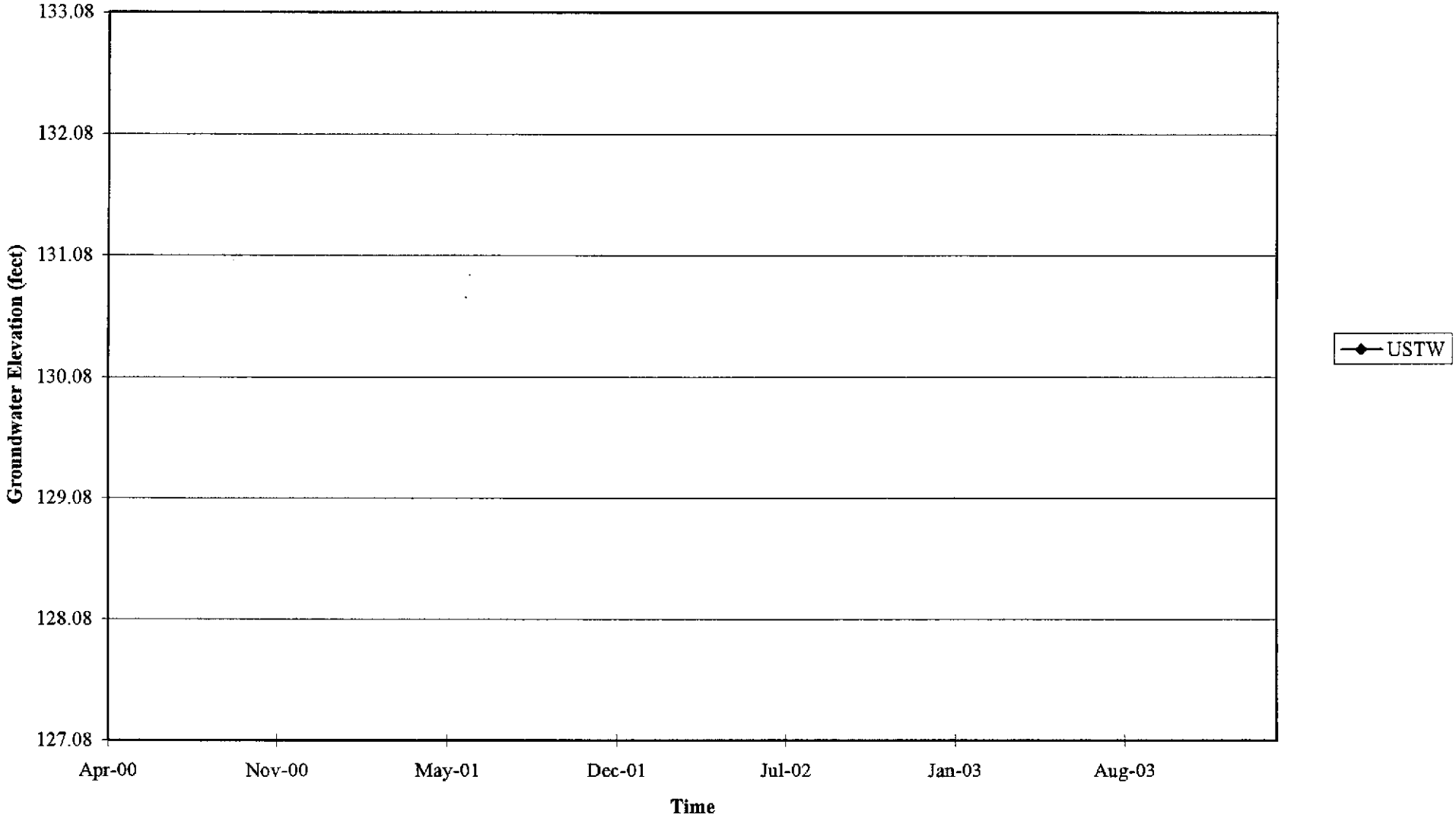
Graph 2
Benzene Concentrations vs. Time
76 Station 4625



Graph 3
Hydrograph
76 Station 4625



Graph 4
Hydrograph
76 Station 4625



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: Wood / max Job #/Task #: 410530001 Date: 1/20/09

Site # 4625 Project Manager Barbara Moed Page 1 of 1

Well #	Grade	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
USTW		✓	~~15.00~~	6.52	0	0	N/A	MONITOR ONLY 6"
MW-3		✓	23.88	6.58	0	0	0845	2"
MW-4		✓	24.22	8.22	0	0	1000	2"
MW-2		✓	24.92	8.55	0	0	0850	2"
MW-1		✓	25.04	6.72	0	6	0945	2"
MW-5		✓	24.43	8.70	0	0	0858	2"
MW-6		✓	~~15.00~~ 23.25	~~8.52~~ 7.81	0	0	0842	~~6"~~ 2"

FIELD DATA COMPLETE ✓	QA/QC ✓	COC ✓	WELL BOX CONDITION SHEETS ✓	
WTT CERTIFICATE	MANIFEST	DRUM INVENTORY ✓	TRAFFIC CONTROL	

GROUNDWATER SAMPLING FIELD NOTES

Technician: Max/Lydell

Site: 4625 Project No.: 410500001 Date: 1/29/04

Well No.: MW-4 Purge Method: D

Depth to Water (feet): 8.22 Depth to Product (feet): 0

Total Depth (feet): 24.22 LPH & Water Recovered (gallons): 0

Water Column (feet): 16.00 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 11.42 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F (C))	pH	Turbidity	D.O.
0727			3	889	13.1	7.74		
			6	889	15.6	7.53		
	0730		9	886	15.3	7.53		

Static at Time Sampled	Total Gallons Purged	Time Sampled
15.00	9	~~0945~~ 1000

Comments: WAIT TO RECOVER / DID NOT RECOVER WITHIN 2HRS.

Well No.: MW-1 Purge Method: D

Depth to Water (feet): 6.72 Depth to Product (feet): 0

Total Depth (feet): 25.09 LPH & Water Recovered (gallons): 0

Water Column (feet): 18.32 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 10.38 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F (C))	pH	Turbidity	D.O.
0717			3	1209	14.1	7.31		
			6	1209	14.8	6.97		
	0720		9	1179	17.1	6.92		

Static at Time Sampled	Total Gallons Purged	Time Sampled
13.65	9	0945

Comments: WAIT TO RECOVER / DID NOT RECOVER WITHIN 2HRS.

GROUNDWATER SAMPLING FIELD NOTES

Technician: LYDELL / ALEX

Site: 4625 Project No.: 410520001 Date: 1/29/09

Well No.: MW-5
Depth to Water (feet): 8.70
Total Depth (feet): 24.43
Water Column (feet): 15.73
80% Recharge Depth (feet): 11.84

Purge Method: D
Depth to Product (feet): 0
LPH & Water Recovered (gallons): 0
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
0756			3	807	16.1	7.03		
			6	680	18.1	7.08		
	0759		9	445	18.2	7.25		

Static at Time Sampled	Total Gallons Purged	Time Sampled
9.65	9	0858

Comments: WAIT TO RECOVER 1 HR.

Well No.: MW-6
Depth to Water (feet): 7.81
Total Depth (feet): 23.25
Water Column (feet): 15.44
80% Recharge Depth (feet): 10.89

Purge Method: D
Depth to Product (feet): 0
LPH & Water Recovered (gallons): 0
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
0806			3	1011	16.6	6.96		
			6	1033	18.6	6.87		
	0809		9	1033	19.0	6.92		

Static at Time Sampled	Total Gallons Purged	Time Sampled
7.86	9	0842

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Wood / max

Site: 4625 Project No.: 41050001 Date: 1/29/04

Well No.: MW-3 Purge Method: D

Depth to Water (feet): 6.55 Depth to Product (feet): 0

Total Depth (feet): 23.88 LPH & Water Recovered (gallons): 0

Water Column (feet): 17.3 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 10.04 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	Turbidity	D.O.
0735			3	634	14.9	7.87		
			6	378	17.4	7.69		
	0738		9	366	17.9	7.32		

Static at Time Sampled	Total Gallons Purged	Time Sampled
7.30	9	0845

Comments:

Well No.: MW-2 Purge Method: D

Depth to Water (feet): 8.35 Depth to Product (feet): 0

Total Depth (feet): 24.92 LPH & Water Recovered (gallons): 0

Water Column (feet): 16.57 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 11.66 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	Turbidity	D.O.
0746			3	404	14.3	7.46		
			6	386	18.8	7.07		
	0745		9	373	18.9	7.02		

Static at Time Sampled	Total Gallons Purged	Time Sampled
8.40	9	0850

Comments:

SEVERN TRENT STL

Submission#: 2004-01-0839

TRC Alton Geoscience

February 13, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20
Project: Conoco Phillips # 4625
Site: 3070 Fruitvale Ave. Oakland

Attached is our report for your samples received on 01/30/2004 15:17
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 03/15/2004 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 #: 2004-01-0839

Oil & Grease (Total) by EPA 1664A

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	01/29/2004 08:45	Water	1

Oil & Grease (Total) by EPA 1664A

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Prep(s): 1664A
Sample ID: **MW-3**
Sampled: 01/29/2004 08:45
Matrix: Water

Test(s): 1664A
Lab ID: 2004-01-0839 - 1
Extracted: 2/5/2004 00:00
QC Batch#: 2004/02/05-03.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	1.0	mg/L	1.00	02/05/2004	

Oil & Grease (Total) by EPA 1664A

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 1664A
Method Blank
MB: 2004/02/05-03.23-001

Water

Test(s): 1664A
QC Batch # 2004/02/05-03.23
Date Extracted: 02/05/2004

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	1	mg/L	02/05/2004	

Oil & Grease (Total) by EPA 1664A

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 1664A

Test(s): 1664A

Laboratory Control Spike **Water** **QC Batch # 2004/02/05-03.23**

LCS 2004/02/05-03.23-002 Extracted: 02/05/2004 Analyzed: 02/05/2004
LCSD 2004/02/05-03.23-003 Extracted: 02/05/2004 Analyzed: 02/05/2004

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Oil & Grease (total)	36.3	35.4	40.0	90.8	88.5	2.6	79-114	18		

SEVERN TRENT STL

Submission #: 2004-01-0839

Volatile Organic Compounds 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 # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	01/29/2004 08:45	Water	1

Volatile Organic Compounds 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 # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Prep(s): 5030B
Sample ID: **MW-3**
Sampled: 01/29/2004 08:45
Matrix: Water

Test(s): 8260B
Lab ID: 2004-01-0839 - 1
Extracted: 2/5/2004 18:23
QC Batch#: 2004/02/05-V2.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	02/05/2004 18:23	
Acetone	ND	50	ug/L	1.00	02/05/2004 18:23	
Benzene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
Bromodichloromethane	ND	0.50	ug/L	1.00	02/05/2004 18:23	
Bromobenzene	ND	1.0	ug/L	1.00	02/05/2004 18:23	
Bromochloromethane	ND	1.0	ug/L	1.00	02/05/2004 18:23	
Bromoform	ND	0.50	ug/L	1.00	02/05/2004 18:23	
Bromomethane	ND	1.0	ug/L	1.00	02/05/2004 18:23	
2-Butanone(MEK)	ND	50	ug/L	1.00	02/05/2004 18:23	
n-Butylbenzene	ND	1.0	ug/L	1.00	02/05/2004 18:23	
sec-Butylbenzene	ND	1.0	ug/L	1.00	02/05/2004 18:23	
tert-Butylbenzene	ND	1.0	ug/L	1.00	02/05/2004 18:23	
Carbon disulfide	ND	5.0	ug/L	1.00	02/05/2004 18:23	
Carbon tetrachloride	ND	0.50	ug/L	1.00	02/05/2004 18:23	
Chlorobenzene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
Chloroethane	ND	1.0	ug/L	1.00	02/05/2004 18:23	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	02/05/2004 18:23	
Chloroform	ND	1.0	ug/L	1.00	02/05/2004 18:23	
Chloromethane	ND	1.0	ug/L	1.00	02/05/2004 18:23	
2-Chlorotoluene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
4-Chlorotoluene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
Dibromochloromethane	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	02/05/2004 18:23	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	02/05/2004 18:23	

Volatile Organic Compounds 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 # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Prep(s): 5030B
Sample ID: **MW-3**
Sampled: 01/29/2004 08:45
Matrix: Water

Test(s): 8260B
Lab ID: 2004-01-0839 - 1
Extracted: 2/5/2004 18:23
QC Batch#: 2004/02/05-V2.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	02/05/2004 18:23	
Dibromomethane	ND	0.50	ug/L	1.00	02/05/2004 18:23	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	02/05/2004 18:23	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
Ethylbenzene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	02/05/2004 18:23	
2-Hexanone	ND	50	ug/L	1.00	02/05/2004 18:23	
Isopropylbenzene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	02/05/2004 18:23	
Methylene chloride	ND	5.0	ug/L	1.00	02/05/2004 18:23	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	02/05/2004 18:23	
Naphthalene	ND	1.0	ug/L	1.00	02/05/2004 18:23	
n-Propylbenzene	ND	1.0	ug/L	1.00	02/05/2004 18:23	
Styrene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	02/05/2004 18:23	
Tetrachloroethene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
Toluene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	02/05/2004 18:23	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	02/05/2004 18:23	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	02/05/2004 18:23	

Volatile Organic Compounds 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 # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Prep(s): 5030B
Sample ID: **MW-3**
Sampled: 01/29/2004 08:45
Matrix: Water

Test(s): 8260B
Lab ID: 2004-01-0839 - 1
Extracted: 2/5/2004 18:23
QC Batch#: 2004/02/05-V2.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	02/05/2004 18:23	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	02/05/2004 18:23	
Vinyl acetate	ND	25	ug/L	1.00	02/05/2004 18:23	
Vinyl chloride	ND	0.50	ug/L	1.00	02/05/2004 18:23	
Total xylenes	ND	1.0	ug/L	1.00	02/05/2004 18:23	
Surrogate(s)						
4-Bromofluorobenzene	109.5	86-115	%	1.00	02/05/2004 18:23	
1,2-Dichloroethane-d4	104.5	76-114	%	1.00	02/05/2004 18:23	
Toluene-d8	104.4	88-110	%	1.00	02/05/2004 18:23	

Volatile Organic Compounds 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 # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260B
QC Batch # 2004/02/05-V2.06

MB: 2004/02/05-V2.06-005

Date Extracted: 02/05/2004 15:21

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	02/05/2004 15:21	
Acetone	ND	50	ug/L	02/05/2004 15:21	
Benzene	ND	0.5	ug/L	02/05/2004 15:21	
Bromodichloromethane	ND	0.5	ug/L	02/05/2004 15:21	
Bromobenzene	ND	1.0	ug/L	02/05/2004 15:21	
Bromochloromethane	ND	1.0	ug/L	02/05/2004 15:21	
Bromoform	ND	0.5	ug/L	02/05/2004 15:21	
Bromomethane	ND	1.0	ug/L	02/05/2004 15:21	
2-Butanone(MEK)	ND	50	ug/L	02/05/2004 15:21	
n-Butylbenzene	ND	1.0	ug/L	02/05/2004 15:21	
sec-Butylbenzene	ND	1.0	ug/L	02/05/2004 15:21	
tert-Butylbenzene	ND	1.0	ug/L	02/05/2004 15:21	
Carbon disulfide	ND	5.0	ug/L	02/05/2004 15:21	
Carbon tetrachloride	ND	0.5	ug/L	02/05/2004 15:21	
Chlorobenzene	ND	0.5	ug/L	02/05/2004 15:21	
Chloroethane	ND	1.0	ug/L	02/05/2004 15:21	
2-Chloroethylvinyl ether	ND	5.0	ug/L	02/05/2004 15:21	
Chloroform	ND	1.0	ug/L	02/05/2004 15:21	
Chloromethane	ND	1.0	ug/L	02/05/2004 15:21	
2-Chlorotoluene	ND	0.5	ug/L	02/05/2004 15:21	
4-Chlorotoluene	ND	0.5	ug/L	02/05/2004 15:21	
Dibromochloromethane	ND	0.5	ug/L	02/05/2004 15:21	
1,2-Dichlorobenzene	ND	0.5	ug/L	02/05/2004 15:21	
1,3-Dichlorobenzene	ND	0.5	ug/L	02/05/2004 15:21	
1,4-Dichlorobenzene	ND	0.5	ug/L	02/05/2004 15:21	
1,3-Dichloropropane	ND	1.0	ug/L	02/05/2004 15:21	
2,2-Dichloropropane	ND	0.5	ug/L	02/05/2004 15:21	
1,1-Dichloropropene	ND	0.5	ug/L	02/05/2004 15:21	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	02/05/2004 15:21	

Volatile Organic Compounds 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 # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/02/05-V2.06**

MB: 2004/02/05-V2.06-005 — Date Extracted: 02/05/2004 15:21

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2-Dibromoethane	ND	0.5	ug/L	02/05/2004 15:21	
Dibromomethane	ND	0.5	ug/L	02/05/2004 15:21	
Dichlorodifluoromethane	ND	0.5	ug/L	02/05/2004 15:21	
1,1-Dichloroethane	ND	0.5	ug/L	02/05/2004 15:21	
1,2-Dichloroethane	ND	0.5	ug/L	02/05/2004 15:21	
1,1-Dichloroethene	ND	0.5	ug/L	02/05/2004 15:21	
cis-1,2-Dichloroethene	ND	0.5	ug/L	02/05/2004 15:21	
trans-1,2-Dichloroethene	ND	0.5	ug/L	02/05/2004 15:21	
1,2-Dichloropropane	ND	0.5	ug/L	02/05/2004 15:21	
cis-1,3-Dichloropropene	ND	0.5	ug/L	02/05/2004 15:21	
trans-1,3-Dichloropropene	ND	0.5	ug/L	02/05/2004 15:21	
Ethylbenzene	ND	0.5	ug/L	02/05/2004 15:21	
Hexachlorobutadiene	ND	1.0	ug/L	02/05/2004 15:21	
2-Hexanone	ND	50	ug/L	02/05/2004 15:21	
Isopropylbenzene	ND	0.5	ug/L	02/05/2004 15:21	
p-Isopropyltoluene	ND	1.0	ug/L	02/05/2004 15:21	
Methylene chloride	ND	5.0	ug/L	02/05/2004 15:21	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	02/05/2004 15:21	
Naphthalene	ND	1.0	ug/L	02/05/2004 15:21	
n-Propylbenzene	ND	1.0	ug/L	02/05/2004 15:21	
Styrene	ND	0.5	ug/L	02/05/2004 15:21	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	02/05/2004 15:21	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	02/05/2004 15:21	
Tetrachloroethene	ND	0.5	ug/L	02/05/2004 15:21	
Toluene	ND	0.5	ug/L	02/05/2004 15:21	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	02/05/2004 15:21	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	02/05/2004 15:21	
1,1,1-Trichloroethane	ND	0.5	ug/L	02/05/2004 15:21	
1,1,2-Trichloroethane	ND	0.5	ug/L	02/05/2004 15:21	

Volatile Organic Compounds 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 # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/02/05-V2.06

MB: 2004/02/05-V2.06-005

Date Extracted: 02/05/2004 15:21

Compound	Conc.	RL	Unit	Analyzed	Flag
Trichloroethene	ND	0.5	ug/L	02/05/2004 15:21	
Trichlorofluoromethane	ND	1.0	ug/L	02/05/2004 15:21	
Trichlorotrifluoroethane	ND	0.5	ug/L	02/05/2004 15:21	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	02/05/2004 15:21	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	02/05/2004 15:21	
Vinyl acetate	ND	25	ug/L	02/05/2004 15:21	
Vinyl chloride	ND	0.5	ug/L	02/05/2004 15:21	
Total xylenes	ND	1.0	ug/L	02/05/2004 15:21	
Surrogates(s)					
4-Bromofluorobenzene	111.2	86-115	%	02/05/2004 15:21	
1,2-Dichloroethane-d4	104.4	76-114	%	02/05/2004 15:21	
Toluene-d8	104.2	88-110	%	02/05/2004 15:21	

Volatile Organic Compounds by 8260B

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Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/02/05-V2.06**

LCS 2004/02/05-V2.06-003 Extracted: 02/05/2004 Analyzed: 02/05/2004 14:09
LCSD 2004/02/05-V2.06-004 Extracted: 02/05/2004 Analyzed: 02/05/2004 14:45

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	18.2	19.9	20	91.0	99.5	8.9	69-129	20		
Chlorobenzene	17.5	18.7	20	87.5	93.5	6.6	61-121	20		
1,1-Dichloroethene	19.3	21.1	20	96.5	105.5	8.9	65-125	20		
Toluene	17.7	19.4	20	88.5	97.0	9.2	70-130	20		
Trichloroethene	17.0	18.5	20	85.0	92.5	8.5	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	545	550	500	109.0	110.0		86-115			
1,2-Dichloroethane-d4	501	500	500	100.2	100.0		76-114			
Toluene-d8	501	511	500	100.2	102.2		88-110			

SEVERN TRENT STL

Submission #: 2004-01-0839

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	01/29/2004 08:45	Water	1

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Prep(s): 3510C/8270C
Sample ID: **MW-3**
Sampled: 01/29/2004 08:45
Matrix: Water

Test(s): 8270C
Lab ID: 2004-01-0839 - 1
Extracted: 2/3/2004 11:05
QC Batch#: 2004/02/03-01.11

Analysis Flag: rl (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Bis(2-chloroethyl)ether	ND	2.7	ug/L	1.35	02/04/2004 11:49	
2-Chlorophenol	ND	2.7	ug/L	1.35	02/04/2004 11:49	
1,3-Dichlorobenzene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
1,4-Dichlorobenzene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Benzyl alcohol	ND	6.8	ug/L	1.35	02/04/2004 11:49	
1,2-Dichlorobenzene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
2-Methylphenol	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Bis(2-chloroisopropyl) ether	ND	2.7	ug/L	1.35	02/04/2004 11:49	
4-Methylphenol	ND	2.7	ug/L	1.35	02/04/2004 11:49	
N-Nitroso-di-n-propylamine	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Hexachloroethane	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Nitrobenzene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Isophorone	ND	2.7	ug/L	1.35	02/04/2004 11:49	
2-Nitrophenol	ND	2.7	ug/L	1.35	02/04/2004 11:49	
2,4-Dimethylphenol	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Bis(2-chloroethoxy) methane	ND	6.8	ug/L	1.35	02/04/2004 11:49	
2,4-Dichlorophenol	ND	2.7	ug/L	1.35	02/04/2004 11:49	
1,2,4-Trichlorobenzene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Naphthalene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
4-Chloroaniline	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Hexachlorobutadiene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
4-Chloro-3-methylphenol	ND	6.8	ug/L	1.35	02/04/2004 11:49	
2-Methylnaphthalene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Hexachlorocyclopentadiene	ND	6.8	ug/L	1.35	02/04/2004 11:49	
2,4,6-Trichlorophenol	ND	2.7	ug/L	1.35	02/04/2004 11:49	
2,4,5-Trichlorophenol	ND	2.7	ug/L	1.35	02/04/2004 11:49	

Semi-volatile analysis by GC/MS - EPA8270C

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Prep(s): 3510C/8270C
Test(s): 8270C
Sample ID: **MW-3**
Lab ID: 2004-01-0839 - 1
Sampled: 01/29/2004 08:45
Extracted: 2/3/2004 11:05
Matrix: Water
QC Batch#: 2004/02/03-01.11
Analysis Flag: rl (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
2-Chloronaphthalene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
2-Nitroaniline	ND	14	ug/L	1.35	02/04/2004 11:49	
Dimethyl phthalate	ND	6.8	ug/L	1.35	02/04/2004 11:49	
Acenaphthylene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
3-Nitroaniline	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Acenaphthene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
2,4-Dinitrophenol	ND	14	ug/L	1.35	02/04/2004 11:49	
4-Nitrophenol	ND	14	ug/L	1.35	02/04/2004 11:49	
Dibenzofuran	ND	2.7	ug/L	1.35	02/04/2004 11:49	
2,4-Dinitrotoluene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
2,6-Dinitrotoluene	ND	6.8	ug/L	1.35	02/04/2004 11:49	
Diethyl phthalate	ND	6.8	ug/L	1.35	02/04/2004 11:49	
4-Chlorophenyl phenyl ether	ND	6.8	ug/L	1.35	02/04/2004 11:49	
Fluorene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
4-Nitroaniline	ND	14	ug/L	1.35	02/04/2004 11:49	
2-Methyl-4,6-dinitrophenol	ND	14	ug/L	1.35	02/04/2004 11:49	
N-Nitrosodiphenylamine	ND	2.7	ug/L	1.35	02/04/2004 11:49	
4-Bromophenyl phenyl ether	ND	6.8	ug/L	1.35	02/04/2004 11:49	
Hexachlorobenzene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Pentachlorophenol	ND	14	ug/L	1.35	02/04/2004 11:49	
Phenanthrene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Anthracene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Di-n-butyl phthalate	ND	6.8	ug/L	1.35	02/04/2004 11:49	
Fluoranthene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Pyrene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Butyl benzyl phthalate	17	6.8	ug/L	1.35	02/04/2004 11:49	
3,3-Dichlorobenzidine	ND	6.8	ug/L	1.35	02/04/2004 11:49	

Semi-volatile analysis by GC/MS - EPA8270C

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Prep(s): 3510C/8270C
Test(s): 8270C
Sample ID: **MW-3**
Lab ID: 2004-01-0839 - 1
Sampled: 01/29/2004 08:45
Extracted: 2/3/2004 11:05
Matrix: Water
QC Batch#: 2004/02/03-01.11
Analysis Flag: rl (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzo(a)anthracene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
bis(2-Ethylhexyl) phthalate	ND	14	ug/L	1.35	02/04/2004 11:49	
Chrysene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Di-n-octyl phthalate	ND	6.8	ug/L	1.35	02/04/2004 11:49	
Benzo(b)fluoranthene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Benzo(k)fluoranthene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Benzo(a)pyrene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Indeno(1,2,3-c,d)pyrene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Dibenzo(a,h)anthracene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Benzo(g,h,i)perylene	ND	2.7	ug/L	1.35	02/04/2004 11:49	
Benzoic acid	ND	14	ug/L	1.35	02/04/2004 11:49	
Surrogate(s)						
Nitrobenzene-d5	53.9	35-114	%	1.35	02/04/2004 11:49	
2-Fluorobiphenyl	52.5	43-116	%	1.35	02/04/2004 11:49	
p-Terphenyl-d14	52.8	33-141	%	1.35	02/04/2004 11:49	
2-Fluorophenol	9.7	25-100	%	1.35	02/04/2004 11:49	sl
Phenol-d6	8.7	10-110	%	1.35	02/04/2004 11:49	sl
2,4,6-Tribromophenol	19.1	10-123	%	1.35	02/04/2004 11:49	

Semi-volatile analysis by GC/MS - EPA8270C

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 3510C/8270C
Method Blank
MB: 2004/02/03-01.11-001

Water

Test(s): 8270C
QC Batch # 2004/02/03-01.11
Date Extracted: 02/03/2004 11:05

Compound	Conc.	RL	Unit	Analyzed	Flag
Phenol	ND	2.0	ug/L	02/04/2004 09:54	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	02/04/2004 09:54	
2-Chlorophenol	ND	2.0	ug/L	02/04/2004 09:54	
1,3-Dichlorobenzene	ND	2.0	ug/L	02/04/2004 09:54	
1,4-Dichlorobenzene	ND	2.0	ug/L	02/04/2004 09:54	
Benzyl alcohol	ND	5.0	ug/L	02/04/2004 09:54	
1,2-Dichlorobenzene	ND	2.0	ug/L	02/04/2004 09:54	
2-Methylphenol	ND	2.0	ug/L	02/04/2004 09:54	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	02/04/2004 09:54	
4-Methylphenol	ND	2.0	ug/L	02/04/2004 09:54	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	02/04/2004 09:54	
Hexachloroethane	ND	2.0	ug/L	02/04/2004 09:54	
Nitrobenzene	ND	2.0	ug/L	02/04/2004 09:54	
Isophorone	ND	2.0	ug/L	02/04/2004 09:54	
2-Nitrophenol	ND	2.0	ug/L	02/04/2004 09:54	
2,4-Dimethylphenol	ND	2.0	ug/L	02/04/2004 09:54	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	02/04/2004 09:54	
2,4-Dichlorophenol	ND	2.0	ug/L	02/04/2004 09:54	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	02/04/2004 09:54	
Naphthalene	ND	2.0	ug/L	02/04/2004 09:54	
4-Chloroaniline	ND	2.0	ug/L	02/04/2004 09:54	
Hexachlorobutadiene	ND	2.0	ug/L	02/04/2004 09:54	
4-Chloro-3-methylphenol	ND	5.0	ug/L	02/04/2004 09:54	
2-Methylnaphthalene	ND	2.0	ug/L	02/04/2004 09:54	
Hexachlorocyclopentadiene	ND	5.0	ug/L	02/04/2004 09:54	
2,4,6-Trichlorophenol	ND	2.0	ug/L	02/04/2004 09:54	
2,4,5-Trichlorophenol	ND	2.0	ug/L	02/04/2004 09:54	
2-Chloronaphthalene	ND	2.0	ug/L	02/04/2004 09:54	
2-Nitroaniline	ND	10	ug/L	02/04/2004 09:54	

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 3510C/8270C
Method Blank
MB: 2004/02/03-01.11-001

Water

Test(s): 8270C
QC Batch # 2004/02/03-01.11
Date Extracted: 02/03/2004 11:05

Compound	Conc.	RL	Unit	Analyzed	Flag
Dimethyl phthalate	ND	5.0	ug/L	02/04/2004 09:54	
Acenaphthylene	ND	2.0	ug/L	02/04/2004 09:54	
3-Nitroaniline	ND	2.0	ug/L	02/04/2004 09:54	
Acenaphthene	ND	2.0	ug/L	02/04/2004 09:54	
2,4-Dinitrophenol	ND	10	ug/L	02/04/2004 09:54	
4-Nitrophenol	ND	10	ug/L	02/04/2004 09:54	
Dibenzofuran	ND	2.0	ug/L	02/04/2004 09:54	
2,4-Dinitrotoluene	ND	2.0	ug/L	02/04/2004 09:54	
2,6-Dinitrotoluene	ND	5.0	ug/L	02/04/2004 09:54	
Diethyl phthalate	ND	5.0	ug/L	02/04/2004 09:54	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	02/04/2004 09:54	
Fluorene	ND	2.0	ug/L	02/04/2004 09:54	
4-Nitroaniline	ND	10	ug/L	02/04/2004 09:54	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	02/04/2004 09:54	
N-Nitrosodiphenylamine	ND	2.0	ug/L	02/04/2004 09:54	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	02/04/2004 09:54	
Hexachlorobenzene	ND	2.0	ug/L	02/04/2004 09:54	
Pentachlorophenol	ND	10	ug/L	02/04/2004 09:54	
Phenanthrene	ND	2.0	ug/L	02/04/2004 09:54	
Anthracene	ND	2.0	ug/L	02/04/2004 09:54	
Di-n-butyl phthalate	ND	5.0	ug/L	02/04/2004 09:54	
Fluoranthene	ND	2.0	ug/L	02/04/2004 09:54	
Pyrene	ND	2.0	ug/L	02/04/2004 09:54	
Butyl benzyl phthalate	ND	5.0	ug/L	02/04/2004 09:54	
3,3-Dichlorobenzidine	ND	5.0	ug/L	02/04/2004 09:54	
Benzo(a)anthracene	ND	2.0	ug/L	02/04/2004 09:54	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	02/04/2004 09:54	
Chrysene	ND	2.0	ug/L	02/04/2004 09:54	
Di-n-octyl phthalate	ND	5.0	ug/L	02/04/2004 09:54	

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 3510C/8270C
Method Blank
MB: 2004/02/03-01.11-001

Water

Test(s): 8270C
QC Batch # 2004/02/03-01.11
Date Extracted: 02/03/2004 11:05

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzo(b)fluoranthene	ND	2.0	ug/L	02/04/2004 09:54	
Benzo(k)fluoranthene	ND	2.0	ug/L	02/04/2004 09:54	
Benzo(a)pyrene	ND	2.0	ug/L	02/04/2004 09:54	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	02/04/2004 09:54	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	02/04/2004 09:54	
Benzo(g,h,i)perylene	ND	2.0	ug/L	02/04/2004 09:54	
Benzoic acid	ND	10	ug/L	02/04/2004 09:54	
Surrogates(s)					
Nitrobenzene-d5	60.5	35-114	%	02/04/2004 09:54	
2-Fluorobiphenyl	63.0	43-116	%	02/04/2004 09:54	
p-Terphenyl-d14	49.1	33-141	%	02/04/2004 09:54	
2-Fluorophenol	39.1	25-100	%	02/04/2004 09:54	
Phenol-d6	29.8	10-110	%	02/04/2004 09:54	
2,4,6-Tribromophenol	54.8	10-123	%	02/04/2004 09:54	

Semi-volatile analysis by GC/MS - EPA8270C

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 3510C/8270C

Test(s): 8270C

Laboratory Control Spike **Water** **QC Batch # 2004/02/03-01.11**

LCS 2004/02/03-01.11-002 Extracted: 02/03/2004 Analyzed: 02/04/2004 10:23
LCSD 2004/02/03-01.11-003 Extracted: 02/03/2004 Analyzed: 02/04/2004 15:11

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Phenol	17.1	17.1	60.0	28.5	28.5	0.0	12-89	35		
2-Chlorophenol	40.8	40.2	60.0	68.0	67.0	1.5	23-134	25		
1,4-Dichlorobenzene	18.7	18.8	30.0	62.3	62.7	0.6	36-97	30		
N-Nitroso-di-n-propylamine	22.7	22.5	30.0	75.7	75.0	0.9	10-130	34		
1,2,4-Trichlorobenzene	17.5	17.8	30.0	58.3	59.3	1.7	44-142	35		
4-Chloro-3-methylphenol	39.3	38.6	60.0	65.5	64.3	1.8	22-147	31		
Acenaphthene	19.9	20.3	30.0	66.3	67.7	2.1	56-118	30		
4-Nitrophenol	21.8	22.8	60.0	36.3	38.0	4.6	1-132	35		
2,4-Dinitrotoluene	22.3	22.8	30.0	74.3	76.0	2.3	39-139	35		
Pentachlorophenol	33.2	33.2	60.0	55.3	55.3	0.0	45-125	35		
Pyrene	16.3	17.4	30.0	54.3	58.0	6.6	52-115	35		
Surrogates(s)										
Nitrobenzene-d5	16.5	16.0	25	66.0	63.8		35-114			
2-Fluorobiphenyl	15.6	15.4	25	62.4	61.4		43-116			
p-Terphenyl-d14	13.9	13.5	25	55.6	53.8		33-141			
2-Fluorophenol	19.9	20.7	50	39.8	41.3		25-100			
Phenol-d6	15.5	16.0	50	31.0	32.0		10-110			
2,4,6-Tribromophenol	28.3	31.7	50	56.6	63.4		10-123			

Semi-volatile analysis by GC/MS - EPA8270C

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 # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Legend and Notes

Analysis Flag

rl

Reporting limits raised due to reduced sample size.

Result Flag

sl

Surrogate recoveries were lower than QC limit due to matrix interference, confirmed by reanalysis.

SEVERN TRENT STL

Submission #: 2004-01-0839

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	01/29/2004 08:45	Water	1
MW-4	01/29/2004 10:00	Water	2
MW-2	01/29/2004 08:50	Water	3
MW-1	01/29/2004 09:45	Water	4
MW-5	01/29/2004 08:58	Water	5
MW-6	01/29/2004 08:42	Water	6

SEVERN TRENT STL

Submission #: 2004-01-0839

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-3**	Lab ID:	2004-01-0839 - 1
Sampled:	01/29/2004 08:45	Extracted:	2/9/2004 20:49
Matrix:	Water	QC Batch#:	2004/02/09-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/09/2004 20:49	
Benzene	ND	0.50	ug/L	1.00	02/09/2004 20:49	
Toluene	ND	0.50	ug/L	1.00	02/09/2004 20:49	
Ethylbenzene	ND	0.50	ug/L	1.00	02/09/2004 20:49	
Total xylenes	ND	1.0	ug/L	1.00	02/09/2004 20:49	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	02/09/2004 20:49	
Ethanol	ND	500	ug/L	1.00	02/09/2004 20:49	
Surrogate(s)						
Toluene-d8	95.5	88-110	%	1.00	02/09/2004 20:49	
1,2-Dichloroethane-d4	112.3	76-114	%	1.00	02/09/2004 20:49	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-4**	Lab ID:	2004-01-0839 - 2
Sampled:	01/29/2004 10:00	Extracted:	2/9/2004 21:07
Matrix:	Water	QC Batch#:	2004/02/09-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/09/2004 21:07	
Benzene	ND	0.50	ug/L	1.00	02/09/2004 21:07	
Toluene	ND	0.50	ug/L	1.00	02/09/2004 21:07	
Ethylbenzene	ND	0.50	ug/L	1.00	02/09/2004 21:07	
Total xylenes	ND	1.0	ug/L	1.00	02/09/2004 21:07	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	02/09/2004 21:07	
Ethanol	ND	500	ug/L	1.00	02/09/2004 21:07	
Surrogate(s)						
Toluene-d8	95.8	88-110	%	1.00	02/09/2004 21:07	
1,2-Dichloroethane-d4	106.2	76-114	%	1.00	02/09/2004 21:07	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Prep(s): 5030B
Test(s): 8260FAB

Sample ID: **MW-2**
Lab ID: 2004-01-0839 - 3

Sampled: 01/29/2004 08:50
Extracted: 2/9/2004 21:26

Matrix: Water
QC Batch#: 2004/02/09-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	98	50	ug/L	1.00	02/09/2004 21:26	
Benzene	4.3	0.50	ug/L	1.00	02/09/2004 21:26	
Toluene	ND	0.50	ug/L	1.00	02/09/2004 21:26	
Ethylbenzene	1.5	0.50	ug/L	1.00	02/09/2004 21:26	
Total xylenes	3.6	1.0	ug/L	1.00	02/09/2004 21:26	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	02/09/2004 21:26	
Ethanol	ND	500	ug/L	1.00	02/09/2004 21:26	
Surrogate(s)						
Toluene-d8	94.5	88-110	%	1.00	02/09/2004 21:26	
1,2-Dichloroethane-d4	105.0	76-114	%	1.00	02/09/2004 21:26	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Prep(s): 5030B
Sample ID: **MW-1**
Sampled: 01/29/2004 09:45
Matrix: Water

Test(s): 8260FAB
Lab ID: 2004-01-0839 - 4
Extracted: 2/9/2004 21:44
QC Batch#: 2004/02/09-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	74	50	ug/L	1.00	02/09/2004 21:44	g
Benzene	ND	0.50	ug/L	1.00	02/09/2004 21:44	
Toluene	4.3	0.50	ug/L	1.00	02/09/2004 21:44	
Ethylbenzene	ND	0.50	ug/L	1.00	02/09/2004 21:44	
Total xylenes	ND	1.0	ug/L	1.00	02/09/2004 21:44	
Methyl tert-butyl ether (MTBE)	12	2.0	ug/L	1.00	02/09/2004 21:44	
Ethanol	ND	500	ug/L	1.00	02/09/2004 21:44	
Surrogate(s)						
Toluene-d8	95.8	88-110	%	1.00	02/09/2004 21:44	
1,2-Dichloroethane-d4	107.0	76-114	%	1.00	02/09/2004 21:44	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Prep(s): 5030B
Test(s): 8260FAB

Sample ID: **MW-5**
Lab ID: 2004-01-0839 - 5

Sampled: 01/29/2004 08:58
Extracted: 2/9/2004 22:03

Matrix: Water
QC Batch#: 2004/02/09-2B.69

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	6300	500	ug/L	10.00	02/09/2004 22:03	
Benzene	750	5.0	ug/L	10.00	02/09/2004 22:03	
Toluene	56	5.0	ug/L	10.00	02/09/2004 22:03	
Ethylbenzene	400	5.0	ug/L	10.00	02/09/2004 22:03	
Total xylenes	1000	10	ug/L	10.00	02/09/2004 22:03	
tert-Butyl alcohol (TBA)	ND	1000	ug/L	10.00	02/09/2004 22:03	
Methyl tert-butyl ether (MTBE)	1100	20	ug/L	10.00	02/09/2004 22:03	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	10.00	02/09/2004 22:03	
Ethyl tert-butyl ether (ETBE)	ND	20	ug/L	10.00	02/09/2004 22:03	
tert-Amyl methyl ether (TAME)	ND	20	ug/L	10.00	02/09/2004 22:03	
1,2-DCA	ND	20	ug/L	10.00	02/09/2004 22:03	
EDB	ND	20	ug/L	10.00	02/09/2004 22:03	
Ethanol	ND	5000	ug/L	10.00	02/09/2004 22:03	
Surrogate(s)						
Toluene-d8	93.4	88-110	%	10.00	02/09/2004 22:03	
1,2-Dichloroethane-d4	103.5	76-114	%	10.00	02/09/2004 22:03	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Prep(s): 5030B
Sample ID: **MW-6**
Sampled: 01/29/2004 08:42
Matrix: Water

Test(s): 8260FAB
Lab ID: 2004-01-0839 - 6
Extracted: 2/9/2004 22:21
QC Batch#: 2004/02/09-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	400	50	ug/L	1.00	02/09/2004 22:21	
Benzene	58	0.50	ug/L	1.00	02/09/2004 22:21	
Toluene	21	0.50	ug/L	1.00	02/09/2004 22:21	
Ethylbenzene	14	0.50	ug/L	1.00	02/09/2004 22:21	
Total xylenes	65	1.0	ug/L	1.00	02/09/2004 22:21	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	02/09/2004 22:21	
Methyl tert-butyl ether (MTBE)	62	2.0	ug/L	1.00	02/09/2004 22:21	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	02/09/2004 22:21	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	02/09/2004 22:21	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	02/09/2004 22:21	
1,2-DCA	ND	2.0	ug/L	1.00	02/09/2004 22:21	
EDB	ND	2.0	ug/L	1.00	02/09/2004 22:21	
Ethanol	ND	500	ug/L	1.00	02/09/2004 22:21	
Surrogate(s)						
Toluene-d8	94.5	88-110	%	1.00	02/09/2004 22:21	
1,2-Dichloroethane-d4	103.4	76-114	%	1.00	02/09/2004 22:21	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2004/02/09-2B.69-008

Water

Test(s): 8260FAB
QC Batch # 2004/02/09-2B.69
Date Extracted: 02/09/2004 18:08

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/09/2004 18:08	
Benzene	ND	0.5	ug/L	02/09/2004 18:08	
Toluene	ND	0.5	ug/L	02/09/2004 18:08	
Ethylbenzene	ND	0.5	ug/L	02/09/2004 18:08	
Total xylenes	ND	1.0	ug/L	02/09/2004 18:08	
tert-Butyl alcohol (TBA)	ND	100	ug/L	02/09/2004 18:08	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	02/09/2004 18:08	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	02/09/2004 18:08	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	02/09/2004 18:08	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	02/09/2004 18:08	
1,2-DCA	ND	2.0	ug/L	02/09/2004 18:08	
EDB	ND	2.0	ug/L	02/09/2004 18:08	
Ethanol	ND	500	ug/L	02/09/2004 18:08	
Surrogates(s)					
1,2-Dichloroethane-d4	95.3	76-114	%	02/09/2004 18:08	
Toluene-d8	96.3	88-110	%	02/09/2004 18:08	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2004/02/09-2B.69**

LCS 2004/02/09-2B.69-031 Extracted: 02/09/2004 Analyzed: 02/09/2004 17:31
LCSD 2004/02/09-2B.69-049 Extracted: 02/09/2004 Analyzed: 02/09/2004 17:49

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	22.6	24.8	25	90.4	99.2	9.3	69-129	20		
Toluene	23.1	25.1	25	92.4	100.4	8.3	70-130	20		
Methyl tert-butyl ether (MTBE)	26.7	28.5	25	106.8	114.0	6.5	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	460	459	500	92.0	91.8		76-114			
Toluene-d8	477	474	500	95.4	94.8		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/02/09-2B.69**

MW-6 >> MS

Lab ID: 2004-01-0839 - 006

MS: 2004/02/09-2B.69-040 Extracted: 02/09/2004 Analyzed: 02/09/2004 22:40

Dilution: 1.00

MSD: 2004/02/09-2B.69-058 Extracted: 02/09/2004 Analyzed: 02/09/2004 22:58

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	92.9	95.3	58	25	139.6	149.2	6.6	69-129	20	mso	mso
Toluene	48.4	50.3	20.8	25	110.4	118.0	6.7	70-130	20		
Methyl tert-butyl ether	112	110	62.1	25	199.6	191.6	4.1	65-165	20	mso	mso
Surrogate(s)											
1,2-Dichloroethane-d4	520	492		500	104.0	98.4		76-114			
Toluene-d8	472	474		500	94.4	94.8		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Legend and Notes

Analysis Flag

o

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

Result Flag

g

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

mso

MS/MSD spike recoveries were out of QC limits due to matrix interference. Precision and Accuracy were verified by LCS/LCSD.

SEVERN TRENT STL

Submission #: 2004-01-0839

Diesel

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	01/29/2004 08:45	Water	1

Diesel

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Prep(s): 3510/8015M
Sample ID: **MW-3**
Sampled: 01/29/2004 08:45
Matrix: Water

Test(s): 8015M
Lab ID: 2004-01-0839 - 1
Extracted: 2/2/2004 12:29
QC Batch#: 2004/02/02-8A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	02/03/2004 04:44	
Surrogate(s)						
o-Terphenyl	64.5	60-130	%	1.00	02/03/2004 04:44	

Diesel

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 3510/8015M
Method Blank
MB: 2004/02/02-8A.10-001

Water

Test(s): 8015M
QC Batch # 2004/02/02-8A.10
Date Extracted: 02/02/2004 12:29

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	02/03/2004 04:13	
Surrogates(s)					
o-Terphenyl	79.7	60-130	%	02/03/2004 04:13	

Diesel

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/02/02-8A.10**

LCS 2004/02/02-8A.10-002 Extracted: 02/02/2004 Analyzed: 02/03/2004 04:44
LCSD 2004/02/02-8A.10-003 Extracted: 02/02/2004 Analyzed: 02/03/2004 05:14

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	931	878	1000	93.1	87.8	5.9	60-130	25		
Surrogates(s)										
o-Terphenyl	16.6	15.6	20.0	82.8	78.1		60-130			

SEVERN TRENT STL

Submission #: 2004-01-0839

Metals

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	01/29/2004 08:45	Water	1

Metals

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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Prep(s): 3010A
Sample ID: **MW-3**
Sampled: 01/29/2004 08:45
Matrix: Water

Test(s): 6010B
Lab ID: 2004-01-0839 - 1
Extracted: 2/2/2004 09:44
QC Batch#: 2004/02/02-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Chromium	0.027	0.0050	mg/L	1.00	02/03/2004 14:32	

Metals

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 3010A
Method Blank

Water

Test(s): 6010B
QC Batch # 2004/02/02-02.15

MB: 2004/02/02-02.15-076

Date Extracted: 02/02/2004 09:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Chromium	ND	0.0050	mg/L	02/03/2004 12:21	

Metals

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 4625

Received: 01/30/2004 15:17

Site: 3070 Fruitvale Ave. Oakland

Batch QC Report

Prep(s): 3010A

Test(s): 6010B

Laboratory Control Spike **Water** **QC Batch # 2004/02/02-02.15**

LCS 2004/02/02-02.15-077 Extracted: 02/02/2004 Analyzed: 02/03/2004 12:25
LCSD 2004/02/02-02.15-078 Extracted: 02/02/2004 Analyzed: 02/03/2004 12:30

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Chromium	0.468	0.472	0.500	93.6	94.4	0.9	80-120	20		

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2004- 01 - 0839

Checklist completed by: (initials) MV Date: 02/02/04

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^{o} C ± 2)? — Temp: 3.5 °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:

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):

2009-01-0059

ConocoPhillips Chain Of Custody Record

82468

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: 1/29/04

PAGE: 1 of 1

SAMPLING COMPANY: TRC	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: 4625	GLOBAL ID NO.: T0600102156
ADDRESS: 21 Technology Drive, Irvine CA 92618		SITE ADDRESS (Street and City): 3070 FRUITVALE AVE. OAKLAND	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): BRETT MAX	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 B BXYS BY 8260 ON ALL 8260 MTBE HITS

* 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 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP	TPHD BY 8260	TPH4 BY 8260B	BTEX/MTBE BY 8260B	ETHANOL BY 8260B	TBA	VOC's BY 8240	SVOC's BY 8270	TOTAL CHROMIUM	B BXYS BY 8260B				FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-3	01/29/04	0845	GW	10									X	X	X	X	X	X	X	X					3-5
	MW-4		1000		3																					TEMPERATURE ON RECEIPT C°
	MW-2		0850																							
	MW-1		0945																							
	MW-5		0958																		X					
	MW-6		0842																		X					

Relinquished by: (Signature)	Received by: (Signature)	Date: 1-30-04	Time: 1909
Relinquished by: (Signature) 1/30/04 1517	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 1-30-04	Time: 1517

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.