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Customer-Focused Solutions

June 22, 2004 TRC Project No. 42014501

Don Hwang
Alameda County Health Services
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

RE: Quarterly Status Report - First Quarter 2004
76 Service Station #4625, 3070 Fruitvale Avenue, Oakland, California
Alameda County

Dear Mr. Hwang:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the First Quarter 2004 Quarterly Status Report for the subject site, shown on the attached Figure 3.

PREVIOUS ASSESSMENTS

The site is currently an active service station located on the southeast corner of Fruitvale Avenue and School Street in Oakland, California.

April/May 1998: The gasoline underground storage tanks (USTs), product piping and dispensers were removed and replaced. Concentrations of total petroleum hydrocarbons as gasoline (TPH-g), benzene, and methyl tertiary butyl ether (MTBE) ranged from non-detect to moderate levels.

May 1998: A waste oil UST and associated piping was also removed. Concentrations of TPH-g, benzene, total petroleum hydrocarbons as diesel (TPH-d), total oil and grease (TOG), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and metals ranged from non-detect to moderate levels.

A total of approximately 1,166 tons of soil were over excavated and transported from the site to Allied Waste's Forward Landfill in Manteca, California. Additionally, 40,000 gallons of groundwater were pumped from the UST pit and transported to the Tosco Refinery in Rodeo, California for disposal. A conductor casing was installed in the backfill during installation of the replacement gasoline USTs. The waste oil tank was replaced with an aboveground tank.

April 2000: Four monitoring wells were installed at the site.

May 2003: Two monitoring wells were installed to 25 feet below ground surface (bgs) and two exploratory borings were advanced to approximately 15 feet bgs. Soil samples contained low maximum levels of benzene, MTBE, and tertiary butyl alcohol (TBA), and moderate levels of

1590 Solano Way, Suite A • Concord, California 94520
Telephone 925-688-1200 • Fax 925-688-0388

TPH-g. Grab groundwater samples collected from the two soil borings were reported to contain elevated concentrations of petroleum hydrocarbons in both samples.

October 2003: Site environmental consulting responsibilities were transferred to TRC.

SENSITIVE RECEPTORS

An irrigation well is located 1,700 feet south-southeast of the site.

MONITORING AND SAMPLING

Currently, seven wells are monitored and six wells are sampled quarterly. The groundwater gradient and flow direction were 0.03 foot/foot to the southwest.

REMEDIATION STATUS

May 1998: A total of approximately 1,166 tons of soil generated during replacement of Fuel and waste oil USTs were over excavated and transported from the site to Allied Waste's Forward Landfill in Manteca, California. Additionally, 40,000 gallons of groundwater were pumped from the UST pit and transported to the Tosco Refinery in Rodeo, California for disposal.

Remediation is not currently being conducted at the site.

CHARACTERIZATION STATUS

Total purgeable petroleum hydrocarbons (TPPH) were detected in four of the six wells sampled, at a maximum concentration of 6,300 micrograms per liter (µg/l) in MW-5. These levels were consistent with recent historical data.

Benzene was detected in three of the six wells sampled, at a maximum concentration of 750 µg/l in MW-5. These levels were consistent with recent historical data.

MTBE was detected in three of the six wells sampled, at a maximum concentration of 1,100 µg/l in MW-5. These levels were consistent with recent historical data.

RECENT CORRESPONDENCE

No correspondence this quarter.

CURRENT QUARTER ACTIVITIES

January 29, 2004: TRC performed groundwater monitoring and sampling. Wastewater generated from well purging and equipment cleaning was stored at TRC's groundwater

monitoring facility in Concord, California, and transported by Onyx to the ConocoPhillips Refinery in Rodeo, California, for treatment and disposal.

NEXT QUARTER ACTIVITIES

Await agency directives for additional assessment work, if any.

Continue quarterly monitoring and sampling to assess plume stability and concentration trends at key wells.

If you have any questions regarding this report, please call Roger Batra at (925) 688-2466.

Sincerely,

TRC

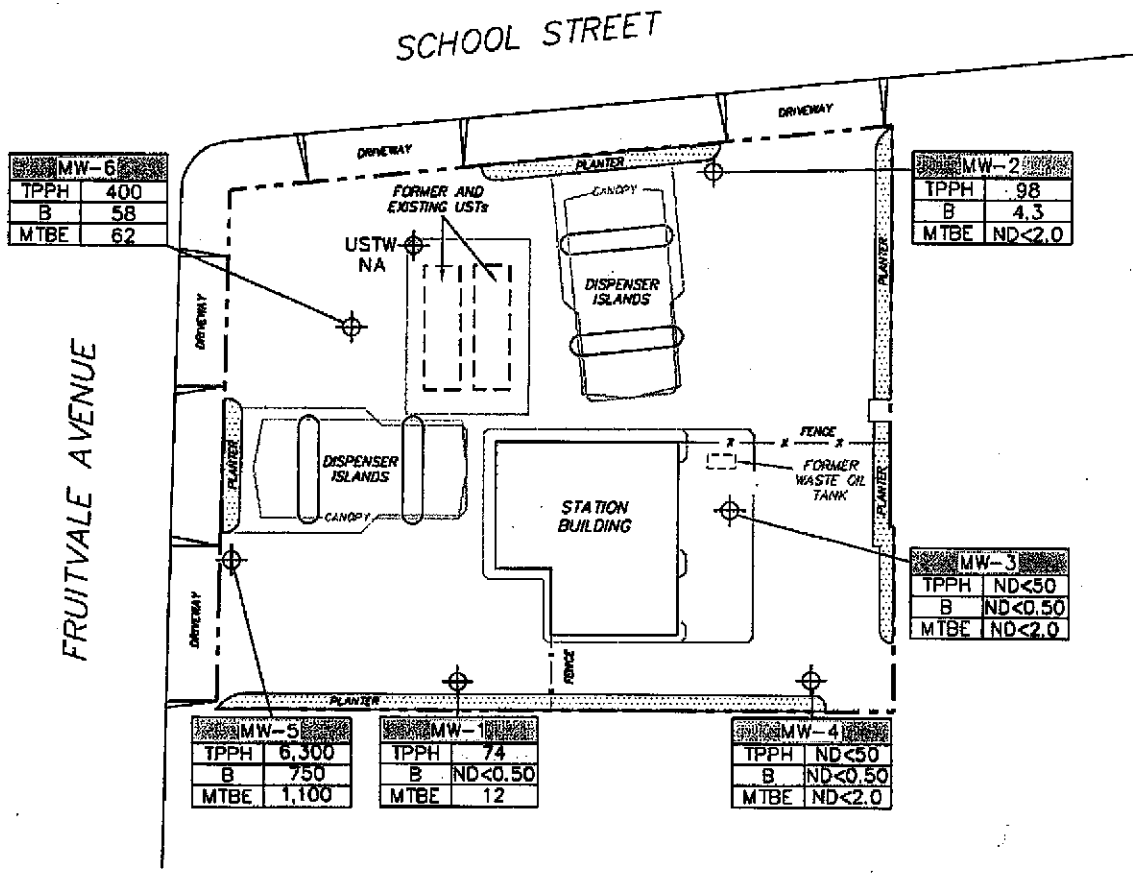
Roger Batra
Senior Project Manager

Barbara Moed, R.G.
Senior Project Geologist

Attachment:

Figure 3 – Dissolved-Phase Hydrocarbon Concentrations Map, January 29, 2004, from First Quarter 2004 Fluid Level Monitoring and Sampling Report, dated March 29, 2004 by TRC.

cc: Thomas Kosel, ConocoPhillips (hard copy and electronic upload)



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

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

TRC

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June 23, 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
APRIL THROUGH JUNE 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

Anju Farfan

Anju Farfan
QMS Operations Manager

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

Enclosures
20-0400/4625R03.QMS

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

TRC

Customer-Focused Solutions

QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 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
June 23, 2004

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

QUARTERLY 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 Table 3b: Summary of Additional Chemical Analysis Results Table 3c: Summary of Additional Chemical Analysis Results Table 3d: Summary of Additional Chemical Analysis Results Table 3e: Summary of Additional Chemical Analysis Results Table 3f: Summary of Additional Chemical Analysis Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPPH Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE 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

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 2004. Historical data for 76 Station 4625 was provided by Gettler-Ryan Inc., Dublin, California, in an excel table received in September 2004.

Table 1

SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

May 27, 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)**												
5/27/2004	137.57	7.98	0.00	129.59	-1.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.0	--	16	
MW-2		**(Screen Interval in feet: 5.0-25.0)**												
5/27/2004	139.85	9.66	0.00	130.19	-1.31	--	58	1.2	ND<0.50	0.87	1.1	--	ND<0.50	
MW-3		**(Screen Interval in feet: 5.0-25.0)**												
5/27/2004	138.89	8.51	0.00	130.38	-1.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-4		**(Screen Interval in feet: 5.0-25.0)**												
5/27/2004	137.81	7.43	0.00	130.38	0.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-5		**(Screen Interval in feet: 5.0-25.0)**												
5/27/2004	137.66	9.59	0.00	128.07	-0.89	--	4600	260	15	300	840	--	400	
MW-6		**(Screen Interval in feet: 5.0-25.0)**												
5/27/2004	138.88	9.11	0.00	129.77	-1.30	--	580	58	14	20	69	--	410	
USTW		**(Screen Interval in feet: DNA)**												
5/27/2004	--	8.98	0.00	--	--	--	--	--	--	--	--	--	--	Monitored Only

Table 2

HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

May 2000 Through May 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	
5/27/2004	137.57	7.98	0.00	129.59	-1.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.0	--	16	
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	--	

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
5/8/2002	138.64	9.16	0.00	129.48	-1.06	53	--	13	ND<0.50	1.2	1.5	ND<5.0	--	
8/9/2002	138.64	10.39	0.00	128.25	-1.23	--	140	20	ND<0.50	10	11	--	ND<2.0	
11/26/2002	138.64	9.81	0.00	128.83	0.58	--	340	87	ND<0.50	33	23	--	ND<2.0	
2/14/2003	139.85	8.19	0.00	131.66	2.83	--	130	12	ND<0.50	7.4	5.4	--	ND<2.0	
5/3/2003	139.85	6.77	0.00	133.08	1.42	--	ND<50	2.5	ND<0.50	1.7	ND<1.0	--	ND<2.0	
8/1/2003	139.85	9.63	0.00	130.22	-2.86	--	270	55	ND<0.50	23	6.0	--	ND<2.0	
10/30/2003	138.64	11.06	0.00	127.58	-2.64	--	180	17	4.8	6.1	13	--	ND<2.0	
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	
5/27/2004	139.85	9.66	0.00	130.19	-1.31	--	58	1.2	ND<0.50	0.87	1.1	--	ND<0.50	
MW-3 (Screen Interval in feet: 5.0-25.0)														
5/3/2000	137.68	7.60	--	130.08	--	--	--	--	--	--	--	--	--	
7/28/2000	137.68	8.82	--	128.86	-1.22	--	--	--	--	--	--	--	--	
10/29/2000	137.68	7.33	--	130.35	1.49	--	--	--	--	--	--	--	--	
2/9/2001	137.68	7.40	--	130.28	-0.07	--	--	--	--	--	--	--	--	
5/11/2001	137.68	7.90	--	129.78	-0.50	--	--	--	--	--	--	--	--	
8/10/2001	137.68	9.09	0.00	128.59	-1.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
11/7/2001	137.68	9.03	0.00	128.65	0.06	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
2/6/2002	137.68	7.16	0.00	130.52	1.87	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
5/8/2002	137.68	8.04	0.00	129.64	-0.88	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
8/9/2002	137.68	9.27	0.00	128.41	-1.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/26/2002	137.68	8.79	0.00	128.89	0.48	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
2/14/2003	138.89	7.18	0.00	131.71	2.82	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
5/3/2003	138.89	5.88	0.00	133.01	1.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
8/1/2003	138.89	8.52	0.00	130.37	-2.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/30/2003	137.68	10.05	0.00	127.63	-2.74	--	ND<50	0.62	0.83	ND<0.50	ND<1.0	--	ND<5.0	
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	
5/27/2004	138.89	8.51	0.00	130.38	-1.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-4 (Screen Interval in feet: 5.0-25.0)														
5/3/2000	136.60	6.48	--	130.12	--	--	--	--	--	--	--	--	--	

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														
7/28/2000	136.60	7.55	--	129.05	-1.07	--	--	--	--	--	--	--	--	
10/29/2000	136.60	6.12	--	130.48	1.43	--	--	--	--	--	--	--	--	
2/9/2001	136.60	6.14	--	130.46	-0.02	--	--	--	--	--	--	--	--	
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	
5/27/2004	137.81	7.43	0.00	130.38	0.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
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	
5/27/2004	137.66	9.59	0.00	128.07	-0.89	--	4600	260	15	300	840	--	400	
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	

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														
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	
5/27/2004	138.88	9.11	0.00	129.77	-1.30	--	580	58	14	20	69	--	410	
USTW	**(Screen Interval in feet: DNA)**													
8/1/2003	--	8.99	--	--	--	--	--	--	--	--	--	--	--	
10/30/2003	--	10.44	0.00	--	--	--	--	--	--	--	--	--	--	Monitored Only
1/29/2004	--	6.52	0.00	--	--	--	--	--	--	--	--	--	--	Monitored Only
5/27/2004	--	8.98	0.00	--	--	--	--	--	--	--	--	--	--	Monitored Only

Date Sampled	TPH-D (ug/l)	Styrene (ug/l)	cis-1,3-dichloropropene (ug/l)	trans-1,3-Dichloropropene (ug/l)	1,4-Dichlorobenzene (ug/l)	EDC (ug/l)	Vinyl acetate (ug/l)	MIBK (ug/l)	Chlorobenzene (ug/l)	2-Chloroethy l vinyl (ug/l)	DBCM (ug/l)	PCE (ug/l)	cis-1,2-DCE (ug/l)	trans-1,2-DCE (ug/l)	1,3-Dichlorobenzene (ug/l)
MW-3 continued															
8/01/03	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	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	ND<0.50
1/29/04	ND<50	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	ND<0.50
5/27/04	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	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	ND<0.50
MW-4															
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5															
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	ND<10	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	ND<5.0	--	--	--	--	--	--	--	--	--
MW-6															
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	ND<2.5	--	--	--	--	--	--	--	--	--

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

Date Sampled	Carbon Tetra-chloride (ug/l)	2-Hexanone (ug/l)	Acetone (ug/l)	Chloro-form (ug/l)	1,1,1-TCA (ug/l)	Bromo-methane (ug/l)	Chloro-methane (ug/l)	Chloro-ethane (ug/l)	Vinyl chloride (ug/l)	Methylene chloride (ug/l)	Carbon Disulfide (ug/l)	Bromoform (ug/l)	BDCM (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)
MW-1															
8/10/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/07/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/06/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/08/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2															
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3															
8/10/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/07/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/06/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/08/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Date Sampled	Carbon Tetra-chloride (ug/l)	2-Hexanone (ug/l)	Acetone (ug/l)	Chloro-form (ug/l)	1,1,1-TCA (ug/l)	Bromo-methane (ug/l)	Chloro-methane (ug/l)	Chloro-ethane (ug/l)	Vinyl chloride (ug/l)	Methylene chloride (ug/l)	Carbon Disulfide (ug/l)	Bromoform (ug/l)	BDCM (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)
MW-3 continued															
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	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	ND<0.50
1/29/04	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	ND<0.50
5/27/04	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	ND<0.50
MW-4															
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5															
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6															
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Date Sampled	Trichloro-fluoro-methane (ug/l)	Trichloro-trifluoro-ethane (ug/l)	1,2-dichloro-propane (ug/l)	MEK (ug/l)	1,1,2-TCA (ug/l)	TCE (ug/l)	1,1,2,2-Tetrachloro ethane (ug/l)	1,2-DCB (ug/l)	Dichloro-difluoro-methane (ug/l)	n-Propyl-benzene (ug/l)	n-Butyl-benzene (ug/l)	4-Chloro-toluene (ug/l)	EDB (µg/l)	1,3,5-Trimethyl-benzene (ug/l)	Bromo-benzene (ug/l)
MW-1															
8/10/01	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
11/07/01	--	--	--	--	--	--	--	--	--	--	--	--	ND<1.0	--	--
2/06/02	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
5/08/02	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
8/09/02	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<0.50	--	--
MW-2															
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--		--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3															
8/10/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/07/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/06/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/08/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Date Sampled	Trichloro-fluoro-methane (ug/l)	Trichloro-trifluoro-ethane (ug/l)	1,2-dichloro-propane (ug/l)	MEK (ug/l)	1,1,2-TCA (ug/l)	TCE (ug/l)	1,1,2,2-Tetrachloro ethane (ug/l)	1,2-DCB (ug/l)	Dichloro-difluoro-methane (ug/l)	n-Propyl-benzene (ug/l)	n-Butyl-benzene (ug/l)	4-Chloro-toluene (ug/l)	EDB (µg/l)	1,3,5-Trimethyl-benzene (ug/l)	Bromo-benzene (ug/l)
MW-3 continued															
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--		--	--
10/30/03	ND<1.0	ND<0.50	ND<0.50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0
1/29/04	ND<1.0	ND<0.50	ND<0.50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0
5/27/04	ND<1.0	ND<0.50	ND<0.50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0
MW-4															
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5															
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	ND<20	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<20	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<200	--	--
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<80	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<10	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<20	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<5.0	--	--
MW-6															
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	ND<40	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<40	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<100	--	--
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<20	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<20	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.5	--	--

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

Date Sampled	1,2,4-Trichloro-benzene (ug/l)	sec-Butyl-benzene (ug/l)	1,3-Dichloro-propane (ug/l)	1,1-Dichloro-propene (ug/l)	2,2-Dichloro-propane (ug/l)	1,1,1,2-Tetrachloro ethane (ug/l)	Dibromo-methane (ug/l)	Bromo-chloro-methane (ug/l)	1,2,3-Trichloro-benzene (ug/l)	HCBD (ug/l)	2-Chloro-toluene (ug/l)	1,2,4-Trimethyl-benzene (ug/l)	DBCP (ug/l)	tert-Butyl-benzene (ug/l)	Isopropyl-benzene (ug/l)
MW-1															
8/10/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/07/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/06/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/08/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2															
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3															
8/10/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/07/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/06/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/08/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Date Sampled	1,2,4-Trichloro-benzene (ug/l)	sec-Butyl-benzene (ug/l)	1,3-Dichloro-propane (ug/l)	1,1-Dichloro-propene (ug/l)	2,2-Dichloro-propane (ug/l)	1,1,1,2-Tetrachloro ethane (ug/l)	Dibromo-methane (ug/l)	Bromo-chloro-methane (ug/l)	1,2,3-Trichloro-benzene (ug/l)	HCBD (ug/l)	2-Chloro-toluene (ug/l)	1,2,4-Trimethyl-benzene (ug/l)	DBCP (ug/l)	tert-Butyl-benzene (ug/l)	Isopropyl-benzene (ug/l)
MW-3 continued															
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	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	ND<0.50
1/29/04	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<2.7	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50
5/27/04	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	ND<0.50
MW-4															
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5															
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6															
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/01/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Date Sampled	p-Isopropyl-toluene (ug/l)	Naphth-alene (ug/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Acenaph-thylene (ug/l)	Acenaph-thene (ug/l)	Fluorene (ug/l)	Phenan-threne (ug/l)	Anthra-cene (ug/l)	Fluoran-thene (ug/l)	Pyrene (ug/l)	Benzo (a)Anth-racene (ug/l)	Chrysene (ug/l)
MW-1															
8/10/01	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
11/07/01	--	--	ND<1.0	ND<20	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--
2/06/02	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
5/08/02	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
8/09/02	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
11/26/02	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
2/14/03	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
5/03/03	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
8/01/03	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
10/30/03	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	--	--	--	--	--	--	--	--	--
MW-2															
8/01/03	--	--					--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3															
8/10/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/07/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/06/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/08/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Date Sampled	p-Isopropyl-toluene (ug/l)	Naphth-alene (ug/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Acenaph-thylene (ug/l)	Acenaph-thene (ug/l)	Fluorene (ug/l)	Phenan-threne (ug/l)	Anthra-cene (ug/l)	Fluoran-thene (ug/l)	Pyrene (ug/l)	Benzo (a)Anth-racene (ug/l)	Chrysene (ug/l)
MW-3 continued															
8/01/03	--	--					--	--	--	--	--	--	--	--	--
10/30/03	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	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	ND<2.7
5/27/04	ND<1.0	ND<1.0	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0
MW-4															
2/14/03	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
8/01/03	--	--					--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5															
11/26/02	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--	--	--	--	--	--	--
2/14/03	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--	--	--	--	--	--	--
5/03/03	--	--	ND<200	ND<10000	ND<200	ND<200	--	--	--	--	--	--	--	--	--
8/01/03	--	--	ND<80	ND<4000	ND<80	ND<80	--	--	--	--	--	--	--	--	--
10/30/03	--	--	ND<10	ND<500	ND<10	ND<10	--	--	--	--	--	--	--	--	--
1/29/04	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--	--	--	--	--	--	--
5/27/04	--	--	ND<5.0	ND<50	ND<10	ND<5.0	--	--	--	--	--	--	--	--	--
MW-6															
11/26/02	--	--	ND<40	ND<2000	ND<40	ND<40	--	--	--	--	--	--	--	--	--
2/14/03	--	--	ND<40	ND<2000	ND<40	ND<40	--	--	--	--	--	--	--	--	--
5/03/03	--	--	ND<100	ND<5000	ND<100	ND<100	--	--	--	--	--	--	--	--	--
8/01/03	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--	--	--	--	--	--	--
10/30/03	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--	--	--	--	--	--	--
1/29/04	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
5/27/04	--	--	ND<2.5	ND<25	ND<5.0	ND<2.5	--	--	--	--	--	--	--	--	--

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

Date Sampled	B(b)Fl (ug/l)	B(k)F (ug/l)	Benzo(a) Pyrene (ug/l)	DB(a,h)A (ug/l)	Benzo (g,h,i)-Perylene (ug/l)	Indeno (1,2,3c,d)-Pyrene (ug/l)	Ethanol 8260B (µg/l)	Bis(2-ethylhexyl) - phthalate (ug/l)	2-Methyl-phenol (ug/l)	4-Methyl-phenol (ug/l)	Chromium (mg/l)	TOG (mg/l)	1,2 DCE (µg/l)	2-Methylnaph-thalene (ug/l)
MW-1														
8/10/01	--	--	--	--	--	--	ND<1000	--	--	--	--	--	ND<2.0	--
11/07/01	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<1.0	--
2/06/02	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0	--
5/08/02	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0	--
8/09/02	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0	--
11/26/02	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0	--
2/14/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0	--
5/03/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0	--
8/01/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0	--
10/30/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	ND<500	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	ND<50	--	--	--	--	--	--	--
MW-2														
8/01/03	--	--	--	--	--	--	ND<500	--	--	--	--	--		--
10/30/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	ND<500	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	ND<50	--	--	--	--	--	--	--
MW-3														
8/10/01	--	--	--	--	--	--	--	--	--	--	ND<0.010	ND<5.0	--	--
11/07/01	--	--	--	--	--	--	--	--	--	--	ND<0.010	ND<5.0	--	--
2/06/02	--	--	--	--	--	--	--	--	--	--	0.11	ND<5.0	--	--
5/08/02	--	--	--	--	--	--	--	--	--	--	0.037	ND<5.2	0.69	--
8/09/02	--	--	--	--	--	--	--	--	--	--	0.7	ND<1.0	--	--
11/26/02	--	--	--	--	--	--	--	--	--	--	0.34	ND<1.0	--	--
2/14/03	--	--	--	--	--	--	--	--	--	--	0.074	ND<1.0	--	--
5/03/03	--	--	--	--	--	--	--	--	--	--	0.48	ND<1.0	--	--

Date Sampled	B(b)Fl (ug/l)	B(k)F (ug/l)	Benzo(a) Pyrene (ug/l)	DB(a,h)A (ug/l)	Benzo (g,h,i)-Perylene (ug/l)	Indeno (1,2,3c,d)-Pyrene (ug/l)	Ethanol 8260B (µg/l)	Bis(2-ethylhexyl) - phthalate (ug/l)	2-Methyl-phenol (ug/l)	4-Methyl-phenol (ug/l)	Chromium (mg/l)	TOG (mg/l)	1,2 DCE (µg/l)	2-Methylnaph-thalene (ug/l)
MW-3 continued														
8/01/03	--	--	--	--	--	--	ND<500	--	--	--	--	--		--
10/30/03	--	--	--	--	--	--	ND<500	--	--	--	0.13	ND<1.0	--	--
1/29/04	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	ND<1.0	--	--
5/27/04	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<50	ND<20	ND<4.0	ND<4.0	0.0061	ND<1.0	--	ND<4.0
MW-4														
2/14/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	ND<2.0	--
8/01/03	--	--	--	--	--	--	ND<500	--	--	--	--	--		--
10/30/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	ND<500	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	ND<50	--	--	--	--	--	--	--
MW-5														
11/26/02	--	--	--	--	--	--	ND<5000	--	--	--	--	--	ND<20	--
2/14/03	--	--	--	--	--	--	ND<5000	--	--	--	--	--	ND<20	--
5/03/03	--	--	--	--	--	--	ND<50000	--	--	--	--	--	ND<200	--
8/01/03	--	--	--	--	--	--	ND<20000	--	--	--	--	--	ND<80	--
10/30/03	--	--	--	--	--	--	ND<2500	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	ND<5000	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	ND<500	--	--	--	--	--	--	--
MW-6														
11/26/02	--	--	--	--	--	--	ND<10000	--	--	--	--	--	ND<40	--
2/14/03	--	--	--	--	--	--	ND<10000	--	--	--	--	--	ND<40	--
5/03/03	--	--	--	--	--	--	ND<25000	--	--	--	--	--	ND<100	--
8/01/03	--	--	--	--	--	--	ND<50000	--	--	--	--	--	ND<20	--
10/30/03	--	--	--	--	--	--	ND<5000	--	--	--	--	--	--	--
1/29/04	--	--	--	--	--	--	ND<500	--	--	--	--	--	--	--
5/27/04	--	--	--	--	--	--	ND<250	--	--	--	--	--	--	--

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

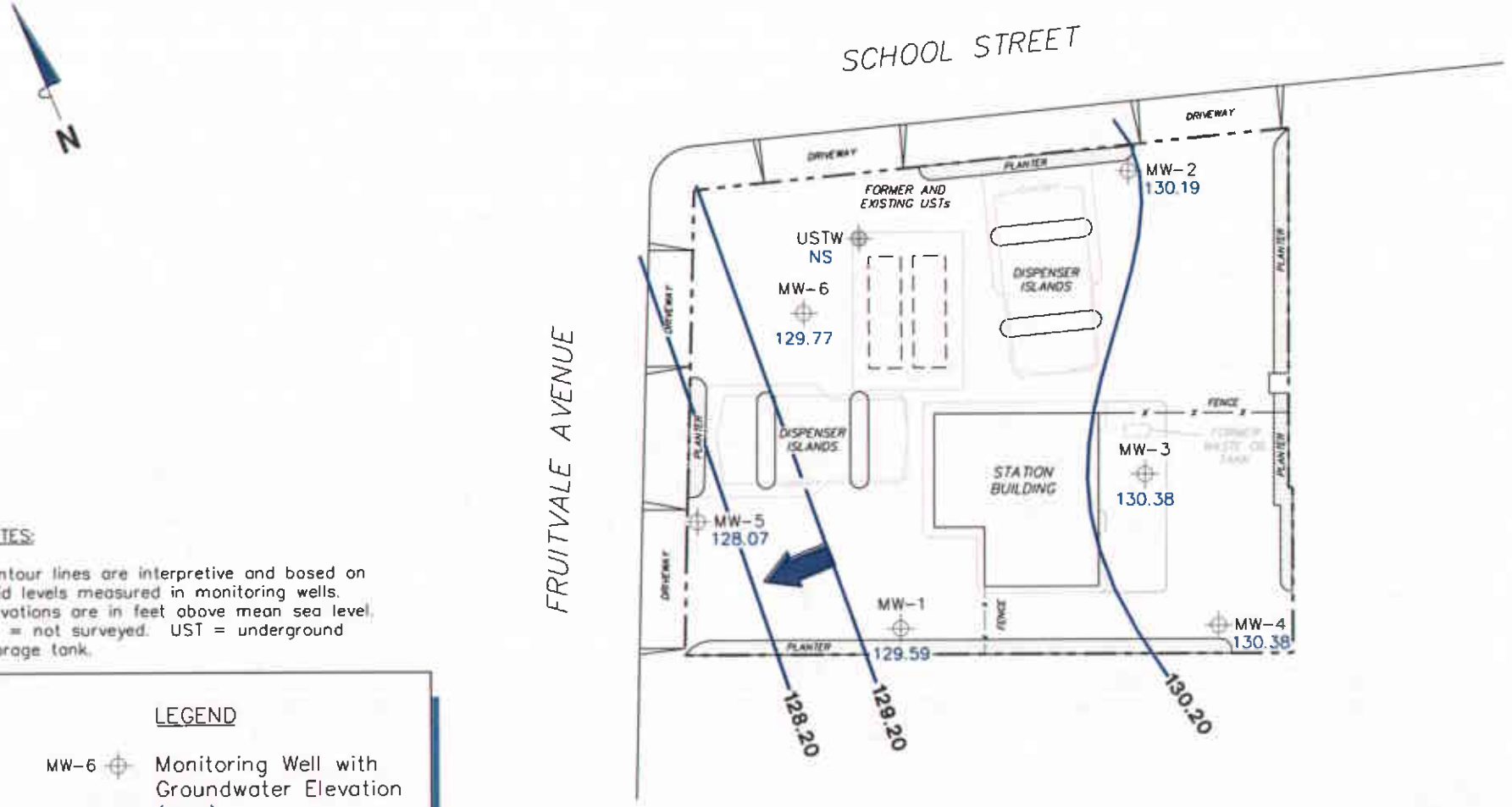
76 Station 4625
3070 Fruitvale Avenue
Oakland, California

TRC

FIGURE 1

PS = 1:1

Graphics on trl(c)\VICINITY MAPS\4625vm.dwg 11/20/03 jrw



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
- 130.20 — Groundwater Elevation Contour
- ➡ General Direction of Groundwater Flow

TRC

SCALE (FEET)

0 40

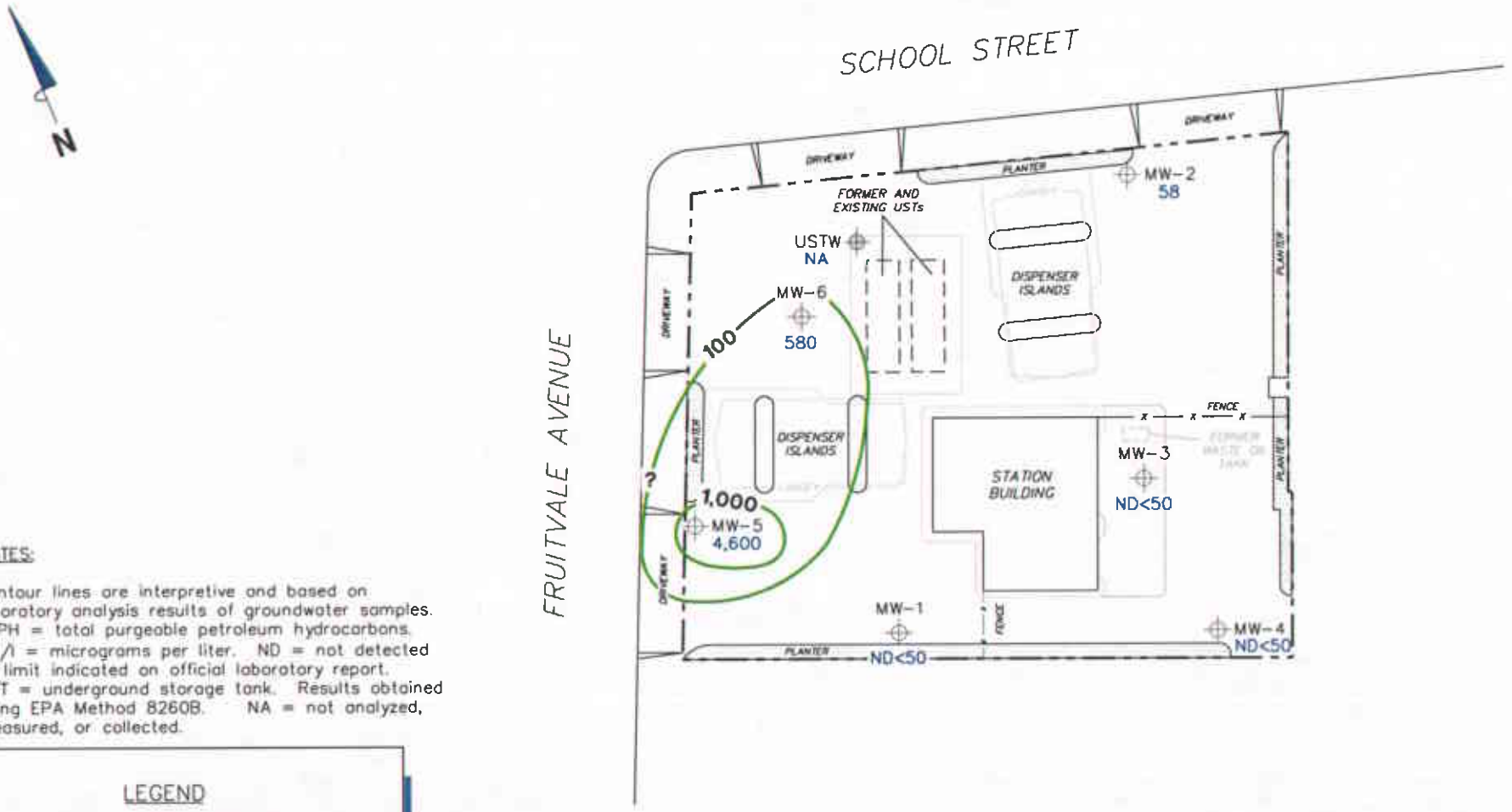
GROUNDWATER ELEVATION CONTOUR MAP
May 27, 2004

76 Station 4625
3070 Fruitvale Avenue
Oakland, California

FIGURE 2

PS=1:14625-003

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\4625+\4625-QMS.dwg 6/26/04 tmc



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPPH = total purgeable petroleum hydrocarbons. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B. NA = not analyzed, measured, or collected.

LEGEND

- MW-6 ⊕ Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)
- USTW ⊕ UST Observation Well
- —1,000— Dissolved-Phase TPPH Contour (µg/l)

SCALE (FEET)

0 40

DISSOLVED-PHASE TPPH CONCENTRATION MAP
May 27, 2004

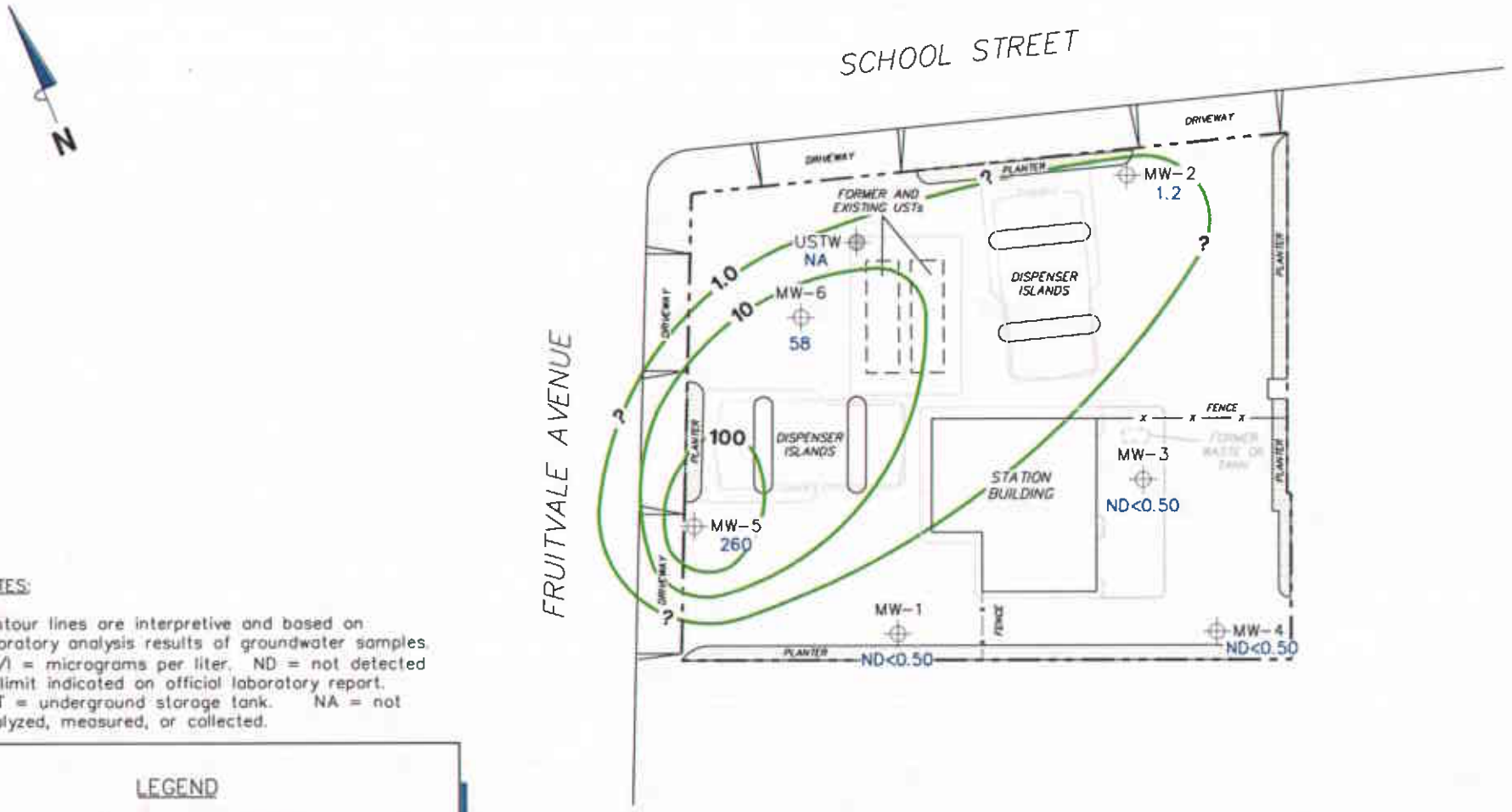
76 Station 4625
3070 Fruitvale Avenue
Oakland, California

FIGURE 3

TRC

PS=1:1 4625-003

Graphics on lr1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\4625+\4625-QMS.dwg 6/26/04 tmc



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. NA = not analyzed, measured, or collected.

LEGEND

- MW-6 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)
- USTW ⊕ UST Observation Well
- 100 Dissolved-Phase Benzene Contour (µg/l)

SCALE (FEET)

0 40

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
May 27, 2004

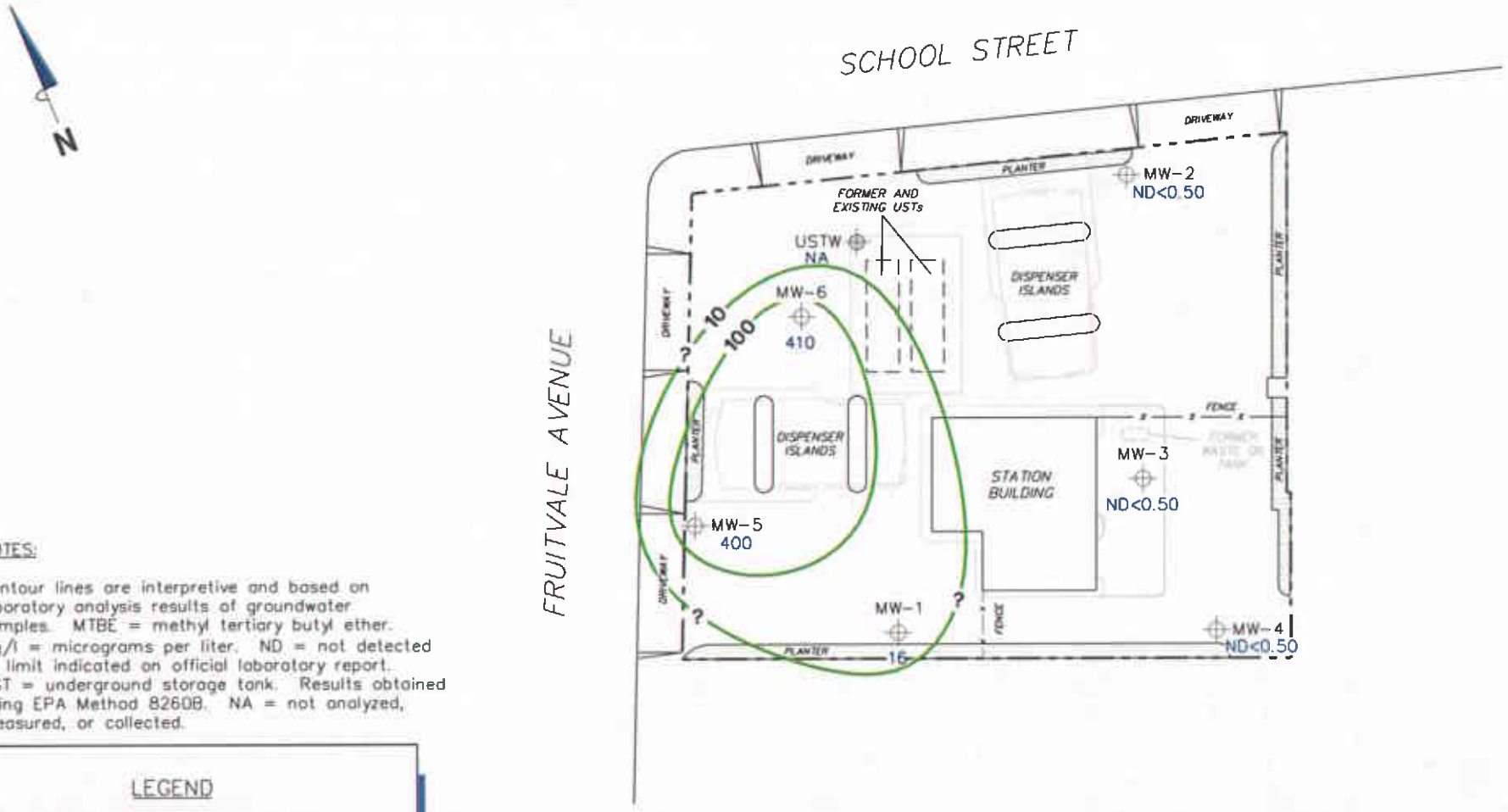
76 Station 4625
3070 Fruitvale Avenue
Oakland, California

FIGURE 4

TRC

PS=1:1 4625-003

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\4625+\4625-QMS.dwg 6/26/04 tmc



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B. NA = not analyzed, measured, or collected.

LEGEND

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

USTW ⊕ UST Observation Well

—100— Dissolved-Phase MTBE Contour (µg/l)

TRC

PS=1:14625-003

SCALE (FEET)

0 40

DISSOLVED-PHASE MTBE CONCENTRATION MAP
May 27, 2004

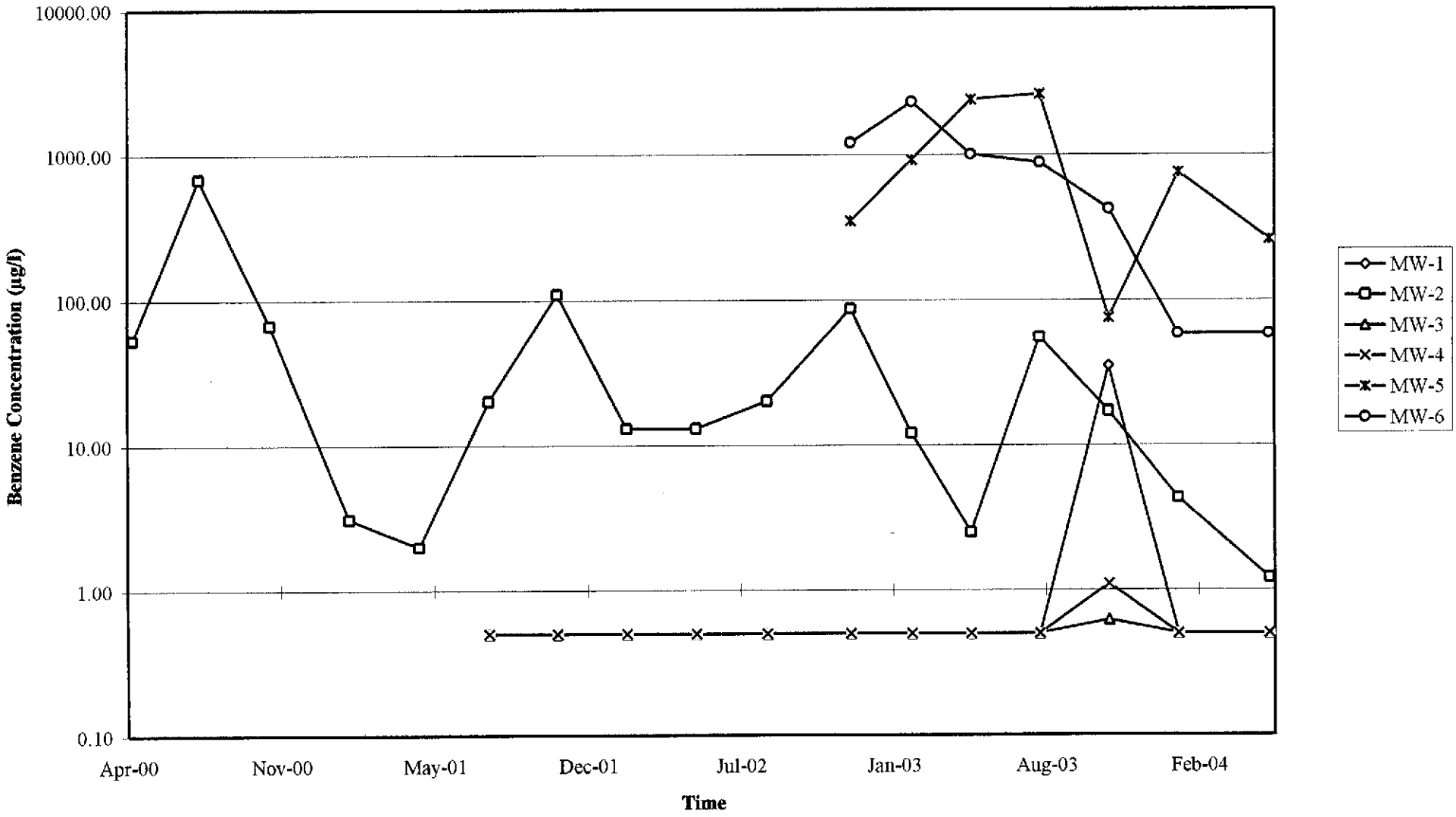
76 Station 4625
3070 Fruitvale Avenue
Oakland, California

FIGURE 5

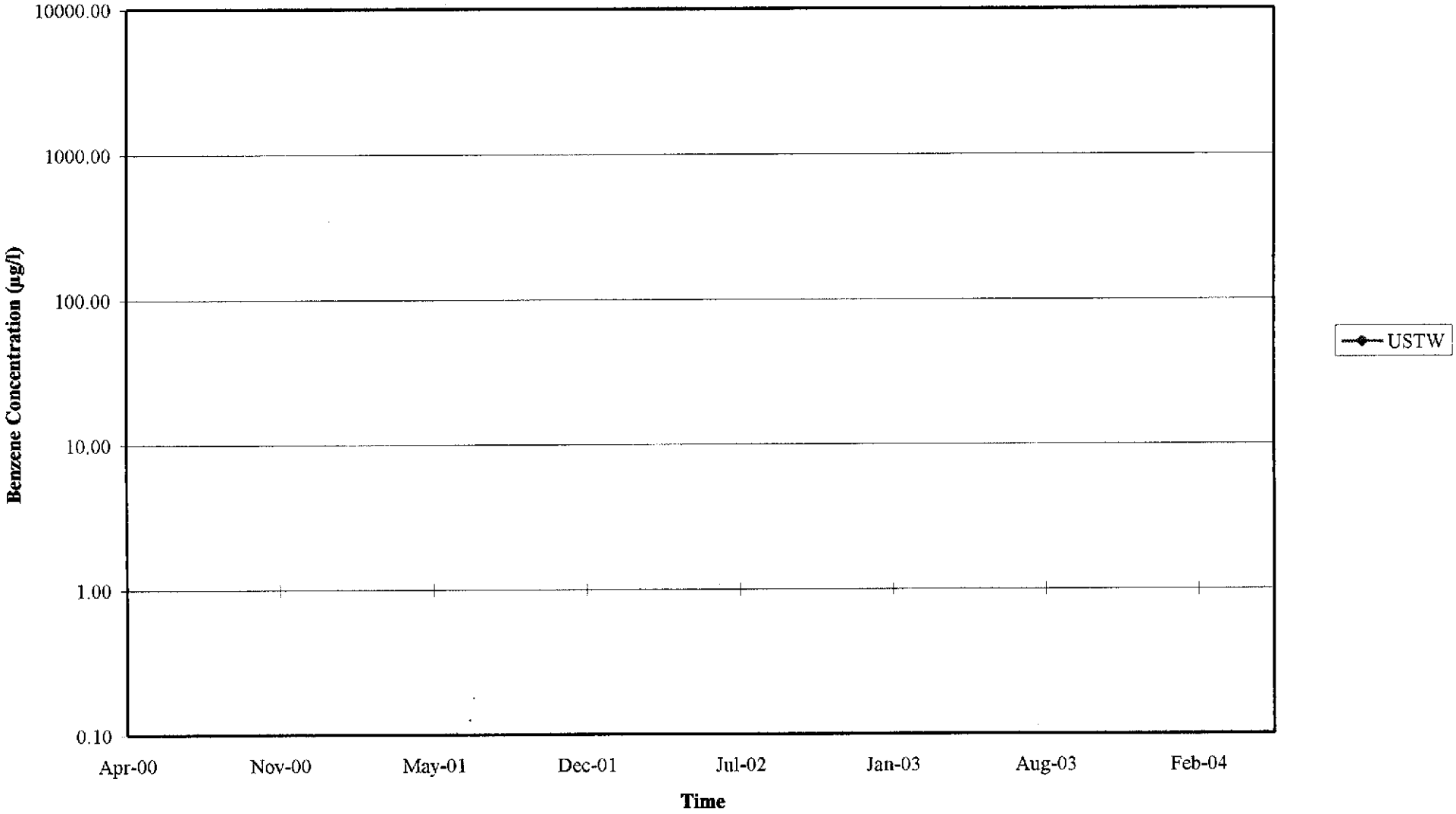
Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\4625+\4625-QMS.dwg 6/26/04 tmc

GRAPHS

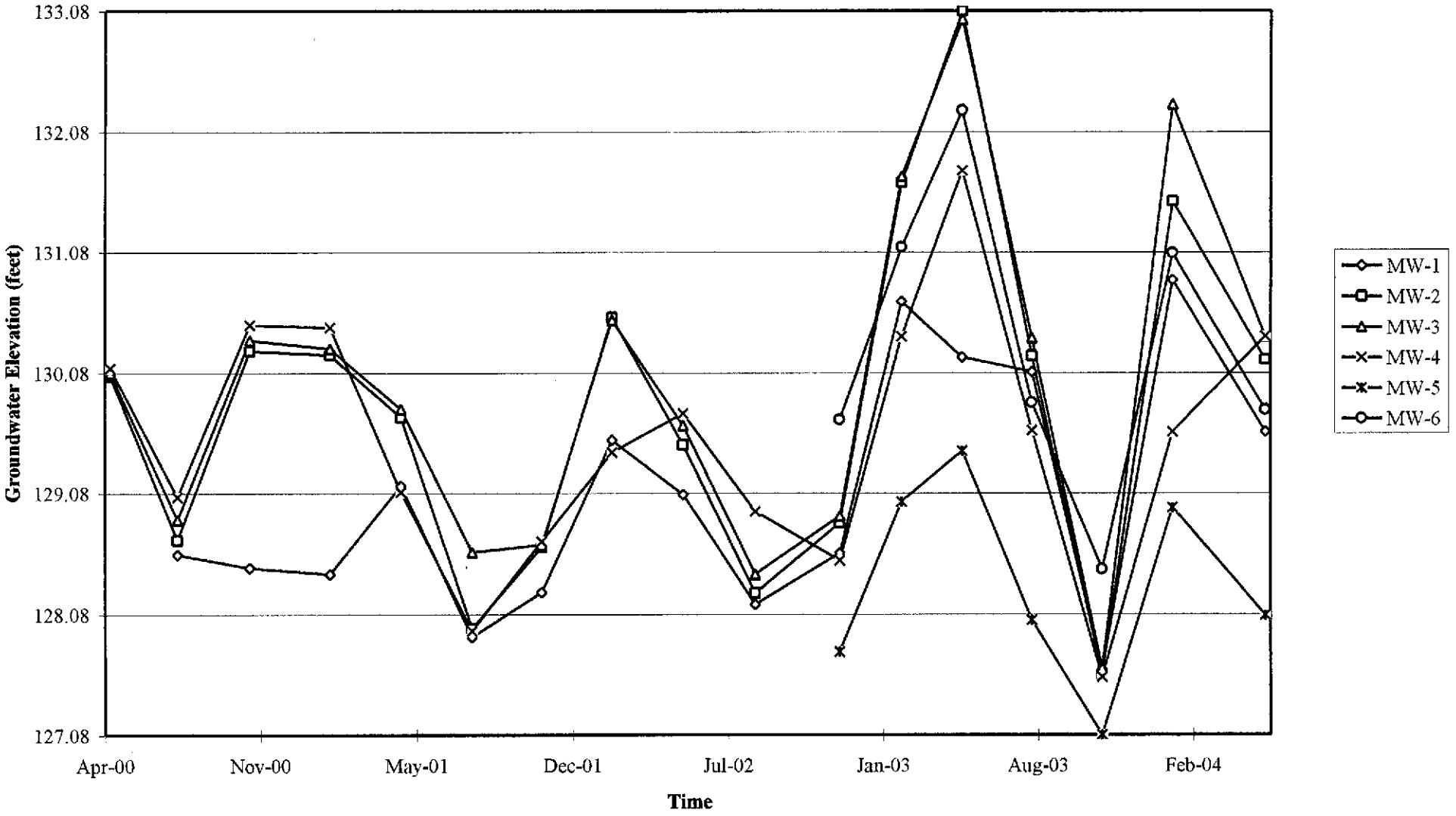
Graph 1
Benzene Concentrations vs. Time
76 Station 4625



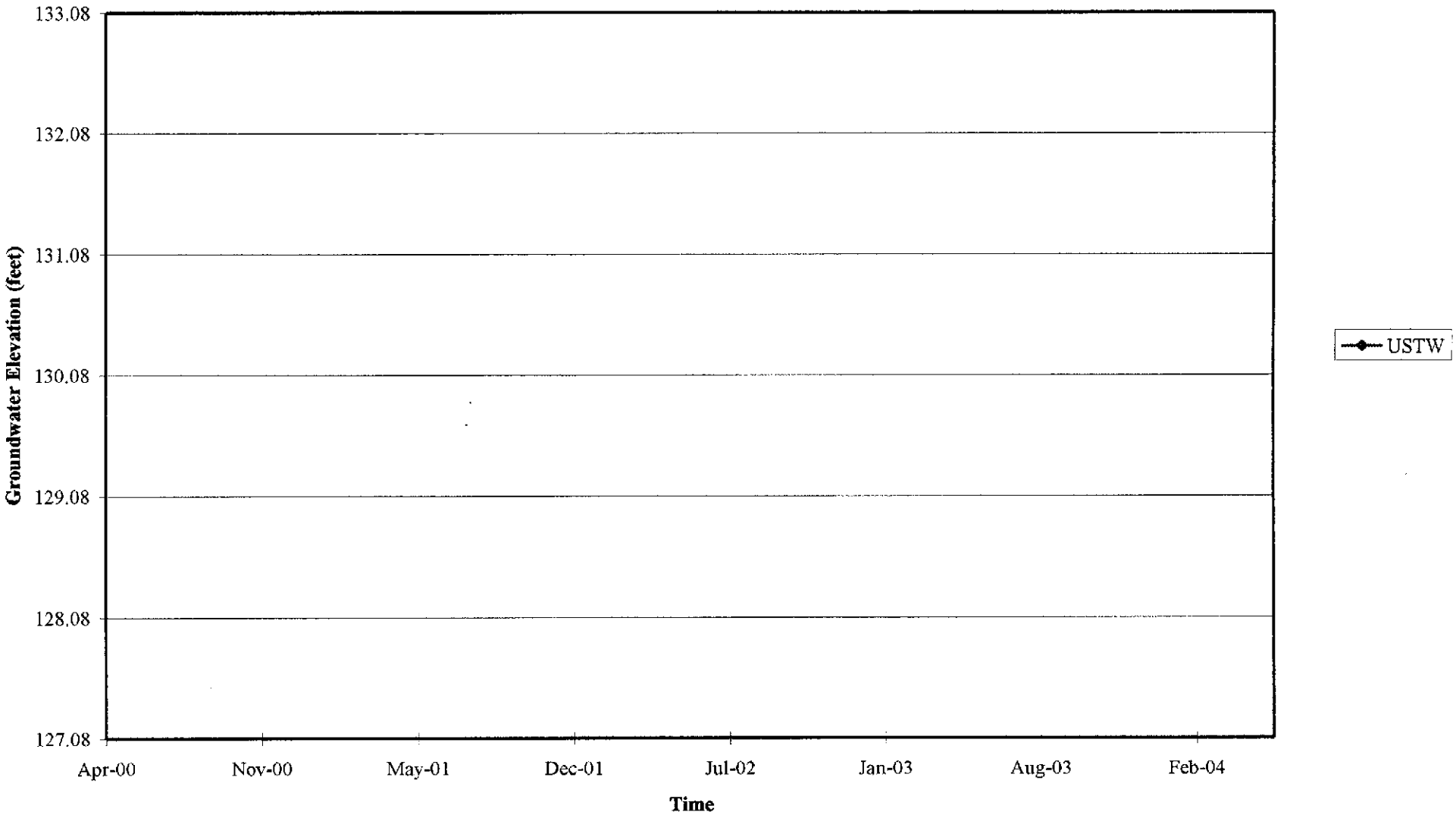
Graph 2
Benzene Concentrations vs. Time
76 Station 4625



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: David Tenney Job #/Task #: 410500-011FA20 Date: 5-27-04

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
MW-3		X	23.51	8.51	~~0~~	~~0~~	0835	2"
MW-4		X	24.21	7.43	~~0~~	~~0~~	1059	2"
MW-2		X	24.91	9.66	~~0~~	~~0~~	0944	2"
MW-1		X	24.89	7.98	~~0~~	~~0~~	1209	2"
MW-5		X	24.34	9.59	~~0~~	~~0~~	1114	2"
MW-6		X	23.28	9.11	~~0~~	~~0~~	1042	2"
USTW		X	15.03	8.98	~~0~~	~~0~~	NS	6" monitor only

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

WTT CERTIFICATE MANIFEST DRUM INVENTORY ✓ TRAFFIC CONTROL

GROUNDWATER SAMPLING FIELD NOTES

Technician: David Tenney

Site: 4625 Project No.: 46900-01/F120 Date: 5-27-04

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

Depth to Water (feet): 9.59 Depth to Product (feet): 0

Total Depth (feet): 24.34 LPH & Water Recovered (gallons): 0

Water Column (feet): 14.75 Casing Diameter (Inches): 2

80% Recharge Depth (feet): 12.54 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.
1019			2	511 v	18.9	6.66		
			4	425	19.6	6.40		
	1023		6	431	19.7	6.24		

Static at Time Sampled	Total Gallons Purged	Time Sampled
1020	6	1114

Comments:

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

Depth to Water (feet): 9.11 Depth to Product (feet): 0

Total Depth (feet): 23.28 LPH & Water Recovered (gallons): 0

Water Column (feet): 14.17 Casing Diameter (Inches): 2

80% Recharge Depth (feet): 11.94 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
1030			2	471 v	18.9	6.50		
			4	448	19.1	6.48		
	1034		6	363	19.0	6.46		

Static at Time Sampled	Total Gallons Purged	Time Sampled
9.23	6	1042

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: David Tenney

Site: 4625 Project No.: 410500-01/FA20 Date: 5-27-04

Well No.: MW-2 Purge Method: diaphragm 0964

Depth to Water (feet): 9.66 Depth to Product (feet): 0

Total Depth (feet): 24.91 LPH & Water Recovered (gallons): 0

Water Column (feet): 15.25 Casing Diameter (Inches): 2

80% Recharge Depth (feet): 12.71 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.
0937			2	381	19.3	6.54		
			4	347	19.9	6.23		
	0941		6	347	19.7	6.08		

Static at Time Sampled	Total Gallons Purged	Time Sampled
9.86	6	0944

Comments:

Well No.: MW-1 Purge Method: diaphragm 0964

Depth to Water (feet): 7.98 Depth to Product (feet): 0

Total Depth (feet): 24.84 LPH & Water Recovered (gallons): 0

Water Column (feet): 16.86 Casing Diameter (Inches): 2

80% Recharge Depth (feet): 11.35 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.
1004			3	579	18.9	6.42		
			6	582	18.6	6.43		
	1009		9	579	18.6	6.41		

Static at Time Sampled	Total Gallons Purged	Time Sampled
15.05	9	1209

Comments: well did not recover in 2 hours

GROUNDWATER SAMPLING FIELD NOTES

Site: 4625 ~~4265~~ 97 Technician: David Tenney

Project No.: 410900-01 / FA20 Date: 5-27-04

Well No.: MW-3 Purge Method: diaphragm 0969

Depth to Water (feet): 8.51 Depth to Product (feet): ø

Total Depth (feet): 23.51 LPH & Water Recovered (gallons): ø

Water Column (feet): 15.00 Casing Diameter (Inches): 2

80% Recharge Depth (feet): 11.51 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F ©)	pH	Turbidity	D.O.
0819			2	547w	17.0	6.78		
			4	405	18.7	6.14		
	0828		6	381	18.8	6.02		

Static at Time Sampled		Total Gallons Purged	Time Sampled
8.85		6	0835

Comments:

Well No.: MW-4 Purge Method: diaphragm 0969

Depth to Water (feet): 7.43 Depth to Product (feet): ø

Total Depth (feet): 24.21 LPH & Water Recovered (gallons): ø

Water Column (feet): 16.78 Casing Diameter (Inches): 2

80% Recharge Depth (feet) 10.79 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F ©)	pH	Turbidity	D.O
0922			3	506w	18.1	6.74		
			6	583	17.4	6.71		
	0927		9	580	17.3	6.73		

Static at Time Sampled		Total Gallons Purged		Time Sampled
9.89		9		1059

Comments:

SEVERN TRENT STL

Submission#: 2004-06-0009

TRC Alton Geoscience- Irvine

June 11, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001/FA20
Project: Conoco Phillips #4625
Site: 3070 Fruitvale Avenue, Oakland

Attached is our report for your samples received on 05/28/2004 17:17
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 07/12/2004 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 #: 2004-06-0009

Semi-volatile Organic Compounds by 8270C

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	05/27/2004	Water	4

SEVERN TRENT STL

Submission #: 2004-06-0009

Semi-volatile Organic Compounds by 8270C

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Prep(s): 3510C/8270C
Sample ID: **MW-3**
Sampled: 05/27/2004
Matrix: Water
Analysis Flag: rl (See Legend and Note Section)

Test(s): 8270C
Lab ID: 2004-06-0009 - 4
Extracted: 6/1/2004 09:22
QC Batch#: 2004/06/01-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Bis(2-chloroethyl)ether	ND	4.0	ug/L	2.00	06/03/2004 23:26	
2-Chlorophenol	ND	4.0	ug/L	2.00	06/03/2004 23:26	
1,3-Dichlorobenzene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
1,4-Dichlorobenzene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Benzyl alcohol	ND	10	ug/L	2.00	06/03/2004 23:26	
1,2-Dichlorobenzene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
2-Methylphenol	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Bis(2-chloroisopropyl) ether	ND	4.0	ug/L	2.00	06/03/2004 23:26	
4-Methylphenol	ND	4.0	ug/L	2.00	06/03/2004 23:26	
N-Nitroso-di-n-propylamine	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Hexachloroethane	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Nitrobenzene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Isophorone	ND	4.0	ug/L	2.00	06/03/2004 23:26	
2-Nitrophenol	ND	4.0	ug/L	2.00	06/03/2004 23:26	
2,4-Dimethylphenol	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Bis(2-chloroethoxy) methane	ND	10	ug/L	2.00	06/03/2004 23:26	
2,4-Dichlorophenol	ND	4.0	ug/L	2.00	06/03/2004 23:26	
1,2,4-Trichlorobenzene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Naphthalene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
4-Chloroaniline	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Hexachlorobutadiene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
4-Chloro-3-methylphenol	ND	10	ug/L	2.00	06/03/2004 23:26	
2-Methylnaphthalene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Hexachlorocyclopentadiene	ND	10	ug/L	2.00	06/03/2004 23:26	
2,4,6-Trichlorophenol	ND	4.0	ug/L	2.00	06/03/2004 23:26	
2,4,5-Trichlorophenol	ND	4.0	ug/L	2.00	06/03/2004 23:26	

SEVERN TRENT STL

Submission #: 2004-06-0009

Semi-volatile Organic Compounds by 8270C

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Prep(s): 3510C/8270C
Sample ID: **MW-3**
Sampled: 05/27/2004
Matrix: Water

Test(s): 8270C
Lab ID: 2004-06-0009 - 4
Extracted: 6/1/2004 09:22
QC Batch#: 2004/06/01-01.11

Analysis Flag: rl (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
2-Chloronaphthalene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
2-Nitroaniline	ND	20	ug/L	2.00	06/03/2004 23:26	
Dimethyl phthalate	ND	10	ug/L	2.00	06/03/2004 23:26	
Acenaphthylene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
3-Nitroaniline	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Acenaphthene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
2,4-Dinitrophenol	ND	20	ug/L	2.00	06/03/2004 23:26	
4-Nitrophenol	ND	20	ug/L	2.00	06/03/2004 23:26	
Dibenzofuran	ND	4.0	ug/L	2.00	06/03/2004 23:26	
2,4-Dinitrotoluene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
2,6-Dinitrotoluene	ND	10	ug/L	2.00	06/03/2004 23:26	
Diethyl phthalate	ND	10	ug/L	2.00	06/03/2004 23:26	
4-Chlorophenyl phenyl ether	ND	10	ug/L	2.00	06/03/2004 23:26	
Fluorene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
4-Nitroaniline	ND	20	ug/L	2.00	06/03/2004 23:26	
2-Methyl-4,6-dinitrophenol	ND	20	ug/L	2.00	06/03/2004 23:26	
N-Nitrosodiphenylamine	ND	4.0	ug/L	2.00	06/03/2004 23:26	
4-Bromophenyl phenyl ether	ND	10	ug/L	2.00	06/03/2004 23:26	
Hexachlorobenzene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Pentachlorophenol	ND	20	ug/L	2.00	06/03/2004 23:26	
Phenanthrene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Anthracene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Di-n-butyl phthalate	ND	10	ug/L	2.00	06/03/2004 23:26	
Fluoranthene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Pyrene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Butyl benzyl phthalate	ND	10	ug/L	2.00	06/03/2004 23:26	
3,3-Dichlorobenzidine	ND	10	ug/L	2.00	06/03/2004 23:26	

Semi-volatile Organic Compounds by 8270C

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Prep(s): 3510C/8270C
Test(s): 8270C
Sample ID: **MW-3**
Lab ID: 2004-06-0009 - 4
Sampled: 05/27/2004
Extracted: 6/1/2004 09:22
Matrix: Water
QC Batch#: 2004/06/01-01.11
Analysis Flag: rl (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzo(a)anthracene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
bis(2-Ethylhexyl) phthalate	ND	20	ug/L	2.00	06/03/2004 23:26	
Chrysene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Di-n-octyl phthalate	ND	10	ug/L	2.00	06/03/2004 23:26	
Benzo(b)fluoranthene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Benzo(k)fluoranthene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Benzo(a)pyrene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Indeno(1,2,3-c,d)pyrene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Dibenzo(a,h)anthracene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Benzo(g,h,i)perylene	ND	4.0	ug/L	2.00	06/03/2004 23:26	
Benzoic acid	ND	20	ug/L	2.00	06/03/2004 23:26	
Surrogate(s)						
Nitrobenzene-d5	69.4	35-114	%	2.00	06/03/2004 23:26	
2-Fluorobiphenyl	61.6	43-116	%	2.00	06/03/2004 23:26	
p-Terphenyl-d14	107.0	33-141	%	2.00	06/03/2004 23:26	
2-Fluorophenol	69.5	25-100	%	2.00	06/03/2004 23:26	
Phenol-d5	54.4	10-110	%	2.00	06/03/2004 23:26	
2,4,6-Tribromophenol	71.8	10-123	%	2.00	06/03/2004 23:26	

Semi-volatile Organic Compounds by 8270C

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 3510C/8270C
Method Blank
MB: 2004/06/01-01.11-004

Water

Test(s): 8270C
QC Batch # 2004/06/01-01.11
Date Extracted: 06/01/2004 09:22

Compound	Conc.	RL	Unit	Analyzed	Flag
Phenol	ND	2.0	ug/L	06/03/2004 21:59	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	06/03/2004 21:59	
2-Chlorophenol	ND	2.0	ug/L	06/03/2004 21:59	
1,3-Dichlorobenzene	ND	2.0	ug/L	06/03/2004 21:59	
1,4-Dichlorobenzene	ND	2.0	ug/L	06/03/2004 21:59	
Benzyl alcohol	ND	5.0	ug/L	06/03/2004 21:59	
1,2-Dichlorobenzene	ND	2.0	ug/L	06/03/2004 21:59	
2-Methylphenol	ND	2.0	ug/L	06/03/2004 21:59	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	06/03/2004 21:59	
4-Methylphenol	ND	2.0	ug/L	06/03/2004 21:59	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	06/03/2004 21:59	
Hexachloroethane	ND	2.0	ug/L	06/03/2004 21:59	
Nitrobenzene	ND	2.0	ug/L	06/03/2004 21:59	
Isophorone	ND	2.0	ug/L	06/03/2004 21:59	
2-Nitrophenol	ND	2.0	ug/L	06/03/2004 21:59	
2,4-Dimethylphenol	ND	2.0	ug/L	06/03/2004 21:59	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	06/03/2004 21:59	
2,4-Dichlorophenol	ND	2.0	ug/L	06/03/2004 21:59	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	06/03/2004 21:59	
Naphthalene	ND	2.0	ug/L	06/03/2004 21:59	
4-Chloroaniline	ND	2.0	ug/L	06/03/2004 21:59	
Hexachlorobutadiene	ND	2.0	ug/L	06/03/2004 21:59	
4-Chloro-3-methylphenol	ND	5.0	ug/L	06/03/2004 21:59	
2-Methylnaphthalene	ND	2.0	ug/L	06/03/2004 21:59	
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/03/2004 21:59	
2,4,6-Trichlorophenol	ND	2.0	ug/L	06/03/2004 21:59	
2,4,5-Trichlorophenol	ND	2.0	ug/L	06/03/2004 21:59	
2-Chloronaphthalene	ND	2.0	ug/L	06/03/2004 21:59	
2-Nitroaniline	ND	10	ug/L	06/03/2004 21:59	

Semi-volatile Organic Compounds by 8270C

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 3510C/8270C — Test(s): 8270C

Method Blank — **Water** — **QC Batch # 2004/06/01-01.11**

MB: 2004/06/01-01.11-004 — Date Extracted: 06/01/2004 09:22

Compound	Conc.	RL	Unit	Analyzed	Flag
Dimethyl phthalate	ND	5.0	ug/L	06/03/2004 21:59	
Acenaphthylene	ND	2.0	ug/L	06/03/2004 21:59	
3-Nitroaniline	ND	2.0	ug/L	06/03/2004 21:59	
Acenaphthene	ND	2.0	ug/L	06/03/2004 21:59	
2,4-Dinitrophenol	ND	10	ug/L	06/03/2004 21:59	
4-Nitrophenol	ND	10	ug/L	06/03/2004 21:59	
Dibenzofuran	ND	2.0	ug/L	06/03/2004 21:59	
2,4-Dinitrotoluene	ND	2.0	ug/L	06/03/2004 21:59	
2,6-Dinitrotoluene	ND	5.0	ug/L	06/03/2004 21:59	
Diethyl phthalate	ND	5.0	ug/L	06/03/2004 21:59	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/03/2004 21:59	
Fluorene	ND	2.0	ug/L	06/03/2004 21:59	
4-Nitroaniline	ND	10	ug/L	06/03/2004 21:59	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	06/03/2004 21:59	
N-Nitrosodiphenylamine	ND	2.0	ug/L	06/03/2004 21:59	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/03/2004 21:59	
Hexachlorobenzene	ND	2.0	ug/L	06/03/2004 21:59	
Pentachlorophenol	ND	10	ug/L	06/03/2004 21:59	
Phenanthrene	ND	2.0	ug/L	06/03/2004 21:59	
Anthracene	ND	2.0	ug/L	06/03/2004 21:59	
Di-n-butyl phthalate	ND	5.0	ug/L	06/03/2004 21:59	
Fluoranthene	ND	2.0	ug/L	06/03/2004 21:59	
Pyrene	ND	2.0	ug/L	06/03/2004 21:59	
Butyl benzyl phthalate	ND	5.0	ug/L	06/03/2004 21:59	
3,3-Dichlorobenzidine	ND	5.0	ug/L	06/03/2004 21:59	
Benzo(a)anthracene	ND	2.0	ug/L	06/03/2004 21:59	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	06/03/2004 21:59	
Chrysene	ND	2.0	ug/L	06/03/2004 21:59	
Di-n-octyl phthalate	ND	5.0	ug/L	06/03/2004 21:59	

Semi-volatile Organic Compounds by 8270C

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 3510C/8270C
Method Blank
MB: 2004/06/01-01.11-004

Water

Test(s): 8270C
QC Batch # 2004/06/01-01.11
Date Extracted: 06/01/2004 09:22

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzo(b)fluoranthene	ND	2.0	ug/L	06/03/2004 21:59	
Benzo(k)fluoranthene	ND	2.0	ug/L	06/03/2004 21:59	
Benzo(a)pyrene	ND	2.0	ug/L	06/03/2004 21:59	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	06/03/2004 21:59	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	06/03/2004 21:59	
Benzo(g,h,i)perylene	ND	2.0	ug/L	06/03/2004 21:59	
Benzoic acid	ND	10	ug/L	06/03/2004 21:59	
Surrogates(s)					
Nitrobenzene-d5	64.5	35-114	%	06/03/2004 21:59	
2-Fluorobiphenyl	51.6	43-116	%	06/03/2004 21:59	
p-Terphenyl-d14	109.3	33-141	%	06/03/2004 21:59	
2-Fluorophenol	55.6	25-100	%	06/03/2004 21:59	
Phenol-d5	37.6	10-110	%	06/03/2004 21:59	
2,4,6-Tribromophenol	73.4	10-123	%	06/03/2004 21:59	

Semi-volatile Organic Compounds by 8270C

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 3510C/8270C

Test(s): 8270C

Laboratory Control Spike **Water** **QC Batch # 2004/06/01-01.11**

LCS 2004/06/01-01.11-005 Extracted: 06/01/2004 Analyzed: 06/03/2004 22:28
LCSD 2004/06/01-01.11-006 Extracted: 06/01/2004 Analyzed: 06/03/2004 22:57

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Phenol	22.6	23.7	60.0	37.7	39.5	4.7	12-89	35		
2-Chlorophenol	46.6	50.4	60.0	77.7	84.0	7.8	23-134	25		
1,4-Dichlorobenzene	17.1	20.1	30.0	57.0	67.0	16.1	36-97	30		
N-Nitroso-di-n-propylamine	21.2	22.6	30.0	70.7	75.3	6.3	10-130	34		
1,2,4-Trichlorobenzene	17.7	19.4	30.0	59.0	64.7	9.2	44-142	35		
4-Chloro-3-methylphenol	52.1	53.3	60.0	86.8	88.8	2.3	22-147	31		
Acenaphthene	22.4	23.2	30.0	74.7	77.3	3.4	56-118	30		
4-Nitrophenol	16.2	15.2	60.0	27.0	25.3	6.5	1-132	35		
2,4-Dinitrotoluene	24.1	23.7	30.0	80.3	79.0	1.6	39-139	35		
Pentachlorophenol	47.3	50.5	60.0	78.8	84.2	6.6	45-125	35		
Pyrene	31.3	32.4	30.0	104.3	108.0	3.5	52-115	35		
Surrogates(s)										
Nitrobenzene-d5	18.3	18.3	25	73.0	73.2		35-114	0		
2-Fluorobiphenyl	15.7	16.3	25	62.8	65.0		43-116	0		
p-Terphenyl-d14	29.0	28.3	25	115.8	113.3		33-141	0		
2-Fluorophenol	27.5	27.7	50	55.0	55.3		25-100	0		
Phenol-d5	20.1	19.9	50	40.3	39.8		10-110	0		
2,4,6-Tribromophenol	46.7	48.1	50	93.4	96.2		10-123	0		

SEVERN TRENT STL

Submission #: 2004-06-0009

Semi-volatile Organic Compounds by 8270C

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Legend and Notes

Analysis Flag

rl

Reporting limits raised due to reduced sample size.

SEVERN TRENT STL

Submission #: 2004-06-0009

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: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	05/27/2004	Water	4

SEVERN TRENT STL

Submission #: 2004-06-0009

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: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Prep(s): 1664A
Sample ID: **MW-3**
Sampled: 05/27/2004
Matrix: Water

Test(s): 1664A
Lab ID: 2004-06-0009 - 4
Extracted: 6/3/2004 00:00
QC Batch#: 2004/06/03-01.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	1.0	mg/L	1.00	06/04/2004	

SEVERN TRENT STL

Submission #: 2004-06-0009

Oil & Grease (Total) by EPA 1664A

TRC Alton Geoscience
Attn.: Anju Farfan

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 1664A
Method Blank
MB: 2004/06/03-01.23-001

Water

Test(s): 1664A
QC Batch # 2004/06/03-01.23
Date Extracted: 06/03/2004

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	1	mg/L	06/04/2004	

SEVERN TRENT STL

Submission #: 2004-06-0009

Oil & Grease (Total) by EPA 1664A

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 1664A

Test(s): 1664A

Laboratory Control Spike **Water** **QC Batch # 2004/06/03-01.23**

LCS 2004/06/03-01.23-002 Extracted: 06/03/2004 Analyzed: 06/04/2004

LCSD 2004/06/03-01.23-003 Extracted: 06/03/2004 Analyzed: 06/04/2004

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Oil & Grease (total)	39.7	38.9	40.0	99.3	97.3	2.0	79-114	18		

SEVERN TRENT STL

Submission #: 2004-06-0009

Volatile Organic Compounds by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	05/27/2004	Water	4

SEVERN TRENT STL

Submission #: 2004-06-0009

Volatile Organic Compounds by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-3**	Lab ID:	2004-06-0009 - 4
Sampled:	05/27/2004	Extracted:	6/8/2004 13:16
Matrix:	Water	QC Batch#:	2004/06/08-1B.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	06/08/2004 13:16	
Acetone	ND	50	ug/L	1.00	06/08/2004 13:16	
Benzene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
Bromodichloromethane	ND	0.50	ug/L	1.00	06/08/2004 13:16	
Bromobenzene	ND	1.0	ug/L	1.00	06/08/2004 13:16	
Bromochloromethane	ND	1.0	ug/L	1.00	06/08/2004 13:16	
Bromoform	ND	0.50	ug/L	1.00	06/08/2004 13:16	
Bromomethane	ND	1.0	ug/L	1.00	06/08/2004 13:16	
2-Butanone(MEK)	ND	50	ug/L	1.00	06/08/2004 13:16	
n-Butylbenzene	ND	1.0	ug/L	1.00	06/08/2004 13:16	
sec-Butylbenzene	ND	1.0	ug/L	1.00	06/08/2004 13:16	
tert-Butylbenzene	ND	1.0	ug/L	1.00	06/08/2004 13:16	
Carbon disulfide	ND	5.0	ug/L	1.00	06/08/2004 13:16	
Carbon tetrachloride	ND	0.50	ug/L	1.00	06/08/2004 13:16	
Chlorobenzene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
Chloroethane	ND	1.0	ug/L	1.00	06/08/2004 13:16	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	06/08/2004 13:16	
Chloroform	ND	1.0	ug/L	1.00	06/08/2004 13:16	
Chloromethane	ND	1.0	ug/L	1.00	06/08/2004 13:16	
2-Chlorotoluene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
4-Chlorotoluene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
Dibromochloromethane	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	06/08/2004 13:16	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	06/08/2004 13:16	

Volatile Organic Compounds by 8260B

TRC Alton Geoscience- Irvine
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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-3**	Lab ID:	2004-06-0009 - 4
Sampled:	05/27/2004	Extracted:	6/8/2004 13:16
Matrix:	Water	QC Batch#:	2004/06/08-1B.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	06/08/2004 13:16	
Dibromomethane	ND	0.50	ug/L	1.00	06/08/2004 13:16	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	06/08/2004 13:16	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
Ethylbenzene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	06/08/2004 13:16	
2-Hexanone	ND	50	ug/L	1.00	06/08/2004 13:16	
Isopropylbenzene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	06/08/2004 13:16	
Methylene chloride	ND	5.0	ug/L	1.00	06/08/2004 13:16	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	06/08/2004 13:16	
Naphthalene	ND	1.0	ug/L	1.00	06/08/2004 13:16	
n-Propylbenzene	ND	1.0	ug/L	1.00	06/08/2004 13:16	
Styrene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	06/08/2004 13:16	
Tetrachloroethene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
Toluene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	06/08/2004 13:16	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	06/08/2004 13:16	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	06/08/2004 13:16	

Volatile Organic Compounds by 8260B

TRC Alton Geoscience- Irvine
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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-3**	Lab ID:	2004-06-0009 - 4
Sampled:	05/27/2004	Extracted:	6/8/2004 13:16
Matrix:	Water	QC Batch#:	2004/06/08-1B.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	06/08/2004 13:16	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	06/08/2004 13:16	
Vinyl acetate	ND	25	ug/L	1.00	06/08/2004 13:16	
Vinyl chloride	ND	0.50	ug/L	1.00	06/08/2004 13:16	
Total xylenes	ND	1.0	ug/L	1.00	06/08/2004 13:16	
Surrogate(s)						
4-Bromofluorobenzene	87.2	79-118	%	1.00	06/08/2004 13:16	
1,2-Dichloroethane-d4	90.0	78-117	%	1.00	06/08/2004 13:16	
Toluene-d8	92.6	77-121	%	1.00	06/08/2004 13:16	

Volatile Organic Compounds by 8260B

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — Water — **QC Batch # 2004/06/08-1B.71**

MB: 2004/06/08-1B.71-002 — Date Extracted: 06/08/2004 11:02

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	06/08/2004 11:02	
Acetone	ND	50	ug/L	06/08/2004 11:02	
Benzene	ND	0.5	ug/L	06/08/2004 11:02	
Bromodichloromethane	ND	0.5	ug/L	06/08/2004 11:02	
Bromobenzene	ND	1.0	ug/L	06/08/2004 11:02	
Bromochloromethane	ND	1.0	ug/L	06/08/2004 11:02	
Bromoform	ND	0.5	ug/L	06/08/2004 11:02	
Bromomethane	ND	1.0	ug/L	06/08/2004 11:02	
2-Butanone(MEK)	ND	50	ug/L	06/08/2004 11:02	
n-Butylbenzene	ND	1.0	ug/L	06/08/2004 11:02	
sec-Butylbenzene	ND	1.0	ug/L	06/08/2004 11:02	
tert-Butylbenzene	ND	1.0	ug/L	06/08/2004 11:02	
Carbon disulfide	ND	5.0	ug/L	06/08/2004 11:02	
Carbon tetrachloride	ND	0.5	ug/L	06/08/2004 11:02	
Chlorobenzene	ND	0.5	ug/L	06/08/2004 11:02	
Chloroethane	ND	1.0	ug/L	06/08/2004 11:02	
2-Chloroethylvinyl ether	ND	5.0	ug/L	06/08/2004 11:02	
Chloroform	ND	1.0	ug/L	06/08/2004 11:02	
Chloromethane	ND	1.0	ug/L	06/08/2004 11:02	
2-Chlorotoluene	ND	0.5	ug/L	06/08/2004 11:02	
4-Chlorotoluene	ND	0.5	ug/L	06/08/2004 11:02	
Dibromochloromethane	ND	0.5	ug/L	06/08/2004 11:02	
1,2-Dichlorobenzene	ND	0.5	ug/L	06/08/2004 11:02	
1,3-Dichlorobenzene	ND	0.5	ug/L	06/08/2004 11:02	
1,4-Dichlorobenzene	ND	0.5	ug/L	06/08/2004 11:02	
1,3-Dichloropropane	ND	1.0	ug/L	06/08/2004 11:02	
2,2-Dichloropropane	ND	0.5	ug/L	06/08/2004 11:02	
1,1-Dichloropropene	ND	0.5	ug/L	06/08/2004 11:02	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/08/2004 11:02	

Volatile Organic Compounds by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/06/08-1B.71**

MB: 2004/06/08-1B.71-002 — Date Extracted: 06/08/2004 11:02

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2-Dibromoethane	ND	0.5	ug/L	06/08/2004 11:02	
Dibromomethane	ND	0.5	ug/L	06/08/2004 11:02	
Dichlorodifluoromethane	ND	0.5	ug/L	06/08/2004 11:02	
1,1-Dichloroethane	ND	0.5	ug/L	06/08/2004 11:02	
1,2-Dichloroethane	ND	0.5	ug/L	06/08/2004 11:02	
1,1-Dichloroethene	ND	0.5	ug/L	06/08/2004 11:02	
cis-1,2-Dichloroethene	ND	0.5	ug/L	06/08/2004 11:02	
trans-1,2-Dichloroethene	ND	0.5	ug/L	06/08/2004 11:02	
1,2-Dichloropropane	ND	0.5	ug/L	06/08/2004 11:02	
cis-1,3-Dichloropropene	ND	0.5	ug/L	06/08/2004 11:02	
trans-1,3-Dichloropropene	ND	0.5	ug/L	06/08/2004 11:02	
Ethylbenzene	ND	0.5	ug/L	06/08/2004 11:02	
Hexachlorobutadiene	ND	1.0	ug/L	06/08/2004 11:02	
2-Hexanone	ND	50	ug/L	06/08/2004 11:02	
Isopropylbenzene	ND	0.5	ug/L	06/08/2004 11:02	
p-Isopropyltoluene	ND	1.0	ug/L	06/08/2004 11:02	
Methylene chloride	ND	5.0	ug/L	06/08/2004 11:02	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	06/08/2004 11:02	
Naphthalene	ND	1.0	ug/L	06/08/2004 11:02	
n-Propylbenzene	ND	1.0	ug/L	06/08/2004 11:02	
Styrene	ND	0.5	ug/L	06/08/2004 11:02	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	06/08/2004 11:02	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	06/08/2004 11:02	
Tetrachloroethene	ND	0.5	ug/L	06/08/2004 11:02	
Toluene	ND	0.5	ug/L	06/08/2004 11:02	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/08/2004 11:02	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/08/2004 11:02	
1,1,1-Trichloroethane	ND	0.5	ug/L	06/08/2004 11:02	
1,1,2-Trichloroethane	ND	0.5	ug/L	06/08/2004 11:02	

Volatile Organic Compounds by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/06/08-1B.71**

MB: 2004/06/08-1B.71-002 — Date Extracted: 06/08/2004 11:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Trichloroethene	ND	0.5	ug/L	06/08/2004 11:02	
Trichlorofluoromethane	ND	1.0	ug/L	06/08/2004 11:02	
Trichlorotrifluoroethane	ND	0.5	ug/L	06/08/2004 11:02	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	06/08/2004 11:02	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	06/08/2004 11:02	
Vinyl acetate	ND	25	ug/L	06/08/2004 11:02	
Vinyl chloride	ND	0.5	ug/L	06/08/2004 11:02	
Total xylenes	ND	1.0	ug/L	06/08/2004 11:02	
Surrogates(s)					
4-Bromofluorobenzene	89.0	79-118	%	06/08/2004 11:02	
1,2-Dichloroethane-d4	89.9	78-117	%	06/08/2004 11:02	
Toluene-d8	91.2	77-121	%	06/08/2004 11:02	

Volatile Organic Compounds by 8260B

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/06/08-1B.71**

LCS 2004/06/08-1B.71-055 Extracted: 06/08/2004 Analyzed: 06/08/2004 09:55

LCSD 2004/06/08-1B.71-029 Extracted: 06/08/2004 Analyzed: 06/08/2004 10:29

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	19.4	19.2	20	97.0	96.0	1.0	69-129	20		
Chlorobenzene	20.9	20.8	20	104.5	104.0	0.5	61-121	20		
1,1-Dichloroethene	20.1	20.4	20	100.5	102.0	1.5	65-125	20		
Toluene	19.3	19.1	20	96.5	95.5	1.0	70-130	20		
Trichloroethene	19.7	19.6	20	98.5	98.0	0.5	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	433	441	500	86.6	88.2		79-118			
1,2-Dichloroethane-d4	453	469	500	90.6	93.8		78-117			
Toluene-d8	454	450	500	90.8	90.0		77-121			

SEVERN TRENT STL

Submission #: 2004-06-0009

Gas/BTEX Fuel Oxygenates by 8260B

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	05/27/2004	Water	1
MW-2	05/27/2004	Water	2
MW-4	05/27/2004	Water	3
MW-3	05/27/2004	Water	4
MW-5	05/27/2004	Water	5
MW-6	05/27/2004	Water	6

SEVERN TRENT STL

Submission #: 2004-06-0009

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-1**	Lab ID:	2004-06-0009 - 1
Sampled:	05/27/2004	Extracted:	6/9/2004 19:34
Matrix:	Water	QC Batch#:	2004/06/09-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/09/2004 19:34	
Benzene	ND	0.50	ug/L	1.00	06/09/2004 19:34	
Toluene	ND	0.50	ug/L	1.00	06/09/2004 19:34	
Ethylbenzene	ND	0.50	ug/L	1.00	06/09/2004 19:34	
Total xylenes	1.0	1.0	ug/L	1.00	06/09/2004 19:34	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/09/2004 19:34	
Methyl tert-butyl ether (MTBE)	16	0.50	ug/L	1.00	06/09/2004 19:34	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	06/09/2004 19:34	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	06/09/2004 19:34	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	06/09/2004 19:34	
1,2-DCA	ND	0.50	ug/L	1.00	06/09/2004 19:34	
EDB	ND	0.50	ug/L	1.00	06/09/2004 19:34	
Ethanol	ND	50	ug/L	1.00	06/09/2004 19:34	
Surrogate(s)						
1,2-Dichloroethane-d4	89.0	72-128	%	1.00	06/09/2004 19:34	
Toluene-d8	93.9	80-113	%	1.00	06/09/2004 19:34	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-2**	Lab ID:	2004-06-0009 - 2
Sampled:	05/27/2004	Extracted:	6/9/2004 19:59
Matrix:	Water	QC Batch#:	2004/06/09-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	58	50	ug/L	1.00	06/09/2004 19:59	
Benzene	1.2	0.50	ug/L	1.00	06/09/2004 19:59	
Toluene	ND	0.50	ug/L	1.00	06/09/2004 19:59	
Ethylbenzene	0.87	0.50	ug/L	1.00	06/09/2004 19:59	
Total xylenes	1.1	1.0	ug/L	1.00	06/09/2004 19:59	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/09/2004 19:59	
Ethanol	ND	50	ug/L	1.00	06/09/2004 19:59	
Surrogate(s)						
1,2-Dichloroethane-d4	92.2	72-128	%	1.00	06/09/2004 19:59	
Toluene-d8	96.8	80-113	%	1.00	06/09/2004 19:59	

SEVERN TRENT STL

Submission #: 2004-06-0009

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-4**	Lab ID:	2004-06-0009 - 3
Sampled:	05/27/2004	Extracted:	6/9/2004 20:21
Matrix:	Water	QC Batch#:	2004/06/09-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/09/2004 20:21	
Benzene	ND	0.50	ug/L	1.00	06/09/2004 20:21	
Toluene	ND	0.50	ug/L	1.00	06/09/2004 20:21	
Ethylbenzene	ND	0.50	ug/L	1.00	06/09/2004 20:21	
Total xylenes	ND	1.0	ug/L	1.00	06/09/2004 20:21	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/09/2004 20:21	
Ethanol	ND	50	ug/L	1.00	06/09/2004 20:21	
Surrogate(s)						
1,2-Dichloroethane-d4	96.5	72-128	%	1.00	06/09/2004 20:21	
Toluene-d8	98.2	80-113	%	1.00	06/09/2004 20:21	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-3**	Lab ID:	2004-06-0009 - 4
Sampled:	05/27/2004	Extracted:	6/9/2004 20:45
Matrix:	Water	QC Batch#:	2004/06/09-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/09/2004 20:45	
Benzene	ND	0.50	ug/L	1.00	06/09/2004 20:45	
Toluene	ND	0.50	ug/L	1.00	06/09/2004 20:45	
Ethylbenzene	ND	0.50	ug/L	1.00	06/09/2004 20:45	
Total xylenes	ND	1.0	ug/L	1.00	06/09/2004 20:45	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/09/2004 20:45	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/09/2004 20:45	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	06/09/2004 20:45	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	06/09/2004 20:45	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	06/09/2004 20:45	
1,2-DCA	ND	0.50	ug/L	1.00	06/09/2004 20:45	
EDB	ND	0.50	ug/L	1.00	06/09/2004 20:45	
Ethanol	ND	50	ug/L	1.00	06/09/2004 20:45	
Surrogate(s)						
1,2-Dichloroethane-d4	94.4	72-128	%	1.00	06/09/2004 20:45	
Toluene-d8	97.5	80-113	%	1.00	06/09/2004 20:45	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Prep(s): 5030B
Sample ID: **MW-5**
Sampled: 05/27/2004
Matrix: Water
Analysis Flag: o (See Legend and Note Section)

Test(s): 8260FAB
Lab ID: 2004-06-0009 - 5
Extracted: 6/9/2004 21:07
QC Batch#: 2004/06/09-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4600	500	ug/L	10.00	06/09/2004 21:07	
Benzene	260	5.0	ug/L	10.00	06/09/2004 21:07	
Toluene	15	5.0	ug/L	10.00	06/09/2004 21:07	
Ethylbenzene	300	5.0	ug/L	10.00	06/09/2004 21:07	
Total xylenes	840	10	ug/L	10.00	06/09/2004 21:07	
tert-Butyl alcohol (TBA)	ND	50	ug/L	10.00	06/09/2004 21:07	
Methyl tert-butyl ether (MTBE)	400	5.0	ug/L	10.00	06/09/2004 21:07	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	10.00	06/09/2004 21:07	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/L	10.00	06/09/2004 21:07	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/L	10.00	06/09/2004 21:07	
1,2-DCA	ND	5.0	ug/L	10.00	06/09/2004 21:07	
EDB	ND	5.0	ug/L	10.00	06/09/2004 21:07	
Ethanol	ND	500	ug/L	10.00	06/09/2004 21:07	
Surrogate(s)						
1,2-Dichloroethane-d4	103.9	72-128	%	10.00	06/09/2004 21:07	
Toluene-d8	98.1	80-113	%	10.00	06/09/2004 21:07	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Prep(s): 5030B
Sample ID: **MW-6**
Sampled: 05/27/2004
Matrix: Water
Analysis Flag: o (See Legend and Note Section)

Test(s): 8260FAB
Lab ID: 2004-06-0009 - 6
Extracted: 6/10/2004 11:30
QC Batch#: 2004/06/10-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	580	250	ug/L	5.00	06/10/2004 11:30	
Benzene	58	2.5	ug/L	5.00	06/10/2004 11:30	
Toluene	14	2.5	ug/L	5.00	06/10/2004 11:30	
Ethylbenzene	20	2.5	ug/L	5.00	06/10/2004 11:30	
Total xylenes	69	5.0	ug/L	5.00	06/10/2004 11:30	
tert-Butyl alcohol (TBA)	ND	25	ug/L	5.00	06/10/2004 11:30	
Methyl tert-butyl ether (MTBE)	410	2.5	ug/L	5.00	06/10/2004 11:30	
Di-isopropyl Ether (DIPE)	ND	5.0	ug/L	5.00	06/10/2004 11:30	
Ethyl tert-butyl ether (ETBE)	ND	2.5	ug/L	5.00	06/10/2004 11:30	
tert-Amyl methyl ether (TAME)	ND	2.5	ug/L	5.00	06/10/2004 11:30	
1,2-DCA	ND	2.5	ug/L	5.00	06/10/2004 11:30	
EDB	ND	2.5	ug/L	5.00	06/10/2004 11:30	
Ethanol	ND	250	ug/L	5.00	06/10/2004 11:30	
Surrogate(s)						
1,2-Dichloroethane-d4	101.2	72-128	%	5.00	06/10/2004 11:30	
Toluene-d8	96.0	80-113	%	5.00	06/10/2004 11:30	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Method Blank — **Water** — **QC Batch # 2004/06/09-2A.65**

MB: 2004/06/09-2A.65-016 — Date Extracted: 06/09/2004 18:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/09/2004 18:16	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/09/2004 18:16	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/09/2004 18:16	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	06/09/2004 18:16	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	06/09/2004 18:16	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	06/09/2004 18:16	
1,2-DCA	ND	0.5	ug/L	06/09/2004 18:16	
EDB	ND	0.5	ug/L	06/09/2004 18:16	
Benzene	ND	0.5	ug/L	06/09/2004 18:16	
Toluene	ND	0.5	ug/L	06/09/2004 18:16	
Ethylbenzene	ND	0.5	ug/L	06/09/2004 18:16	
Total xylenes	ND	1.0	ug/L	06/09/2004 18:16	
Ethanol	ND	50	ug/L	06/09/2004 18:16	
Surrogates(s)					
1,2-Dichloroethane-d4	93.6	72-128	%	06/09/2004 18:16	
Toluene-d8	98.0	80-113	%	06/09/2004 18:16	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Method Blank — **Water** — **QC Batch # 2004/06/10-1A.64**

MB: 2004/06/10-1A.64-001 — Date Extracted: 06/10/2004 08:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/10/2004 08:01	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/10/2004 08:01	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/10/2004 08:01	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	06/10/2004 08:01	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	06/10/2004 08:01	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	06/10/2004 08:01	
1,2-DCA	ND	0.5	ug/L	06/10/2004 08:01	
EDB	ND	0.5	ug/L	06/10/2004 08:01	
Benzene	ND	0.5	ug/L	06/10/2004 08:01	
Toluene	ND	0.5	ug/L	06/10/2004 08:01	
Ethylbenzene	ND	0.5	ug/L	06/10/2004 08:01	
Total xylenes	ND	1.0	ug/L	06/10/2004 08:01	
Ethanol	ND	50	ug/L	06/10/2004 08:01	
Surrogates(s)					
1,2-Dichloroethane-d4	92.6	72-128	%	06/10/2004 08:01	
Toluene-d8	93.8	80-113	%	06/10/2004 08:01	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2004/06/09-2A.65**

LCS 2004/06/09-2A.65-029 Extracted: 06/09/2004 Analyzed: 06/09/2004 17:29

LCSD 2004/06/09-2A.65-051 Extracted: 06/09/2004 Analyzed: 06/09/2004 17:51

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	21.3	22.4	25	85.2	89.6	5.0	65-165	20		
Benzene	22.9	24.0	25	91.6	96.0	4.7	69-129	20		
Toluene	21.9	23.5	25	87.6	94.0	7.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	436	436	500	87.2	87.2		72-128			
Toluene-d8	505	476	500	101.0	95.2		80-113			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2004/06/10-1A.64**

LCS 2004/06/10-1A.64-016 Extracted: 06/10/2004 Analyzed: 06/10/2004 07:16

LCSD 2004/06/10-1A.64-038 Extracted: 06/10/2004 Analyzed: 06/10/2004 07:38

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.1	22.5	25	88.4	90.0	1.8	65-165	20		
Benzene	23.1	22.6	25	92.4	90.4	2.2	69-129	20		
Toluene	24.2	23.6	25	96.8	94.4	2.5	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	427	436	500	85.4	87.2		72-128			
Toluene-d8	486	487	500	97.2	97.4		80-113			

SEVERN TRENT STL

Submission #: 2004-06-0009

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Legend and Notes

Analysis Flag

o

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

SEVERN TRENT STL

Submission #: 2004-06-0009

Metals

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	05/27/2004	Water	4

SEVERN TRENT STL

Submission #: 2004-06-0009

Metals

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Prep(s):	3010A	Test(s):	6010B
Sample ID:	**MW-3**	Lab ID:	2004-06-0009 - 4
Sampled:	05/27/2004	Extracted:	6/1/2004 15:21
Matrix:	Water	QC Batch#:	2004/06/01-09.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Chromium	0.0061	0.0050	mg/L	1.00	06/02/2004 12:04	

Metals

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 3010A — Test(s): 6010B

Method Blank — **Water** — **QC Batch # 2004/06/01-09.15**

MB: 2004/06/01-09.15-025 — Date Extracted: 06/01/2004 15:21

Compound	Conc.	RL	Unit	Analyzed	Flag
Chromium	ND	0.0050	mg/L	06/02/2004 11:51	

SEVERN TRENT STL

Submission #: 2004-06-0009

Metals

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

Project: 41050001/FA20
Conoco Phillips #4625

Received: 05/28/2004 17:17

Site: 3070 Fruitvale Avenue, Oakland

Batch QC Report

Prep(s): 3010A

Test(s): 6010B

Laboratory Control Spike **Water** **QC Batch # 2004/06/01-09.15**

LCS 2004/06/01-09.15-026 Extracted: 06/01/2004 Analyzed: 06/02/2004 11:55
LCSD 2004/06/01-09.15-027 Extracted: 06/01/2004 Analyzed: 06/02/2004 11:59

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Chromium	0.502	0.501	0.500	100.4	100.2	0.2	80-120	20		

2004-06-0009

ConocoPhillips Chain Of Custody Record

86412

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: 1285 TRC 500

ConocoPhillips Cost Object:

DATE: 5-27-04

PAGE: 1 of 1

SAMPLING COMPANY: TRC	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: 4625	GLOBAL ID NO.: T0600010296
ADDRESS: 21 Technology Drive, Irvine CA 92618		SITE ADDRESS (Street and City): 3070 Fruitvale Avenue Oakland	CONOCOPHILLIPS SITE MANAGER:
PROJECT CONTACT (Hardcopy or PDF Report to): Anju Farfan		EDF DELIVERABLE TO (PP 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: Run 8 OXYS by 8260 on all 8260 MTBE hits. CHECK BOX IF EDD IS NEEDED ☑

* 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	TPPH by 8260B	BTEX/MTBE by 8260B	Ethanol	TOG	VOCs by 8240	SVOCs by 8270	Total Chromium	8 OXYS by 8260B					TEMPERATURE ON RECEIPT C°
	MW-1	5-27		GW	3									X	X	X										
	MW-2																									
	MW-4																									
	MW-3				11												X	X	X	X						
	MW-5				3																X					
	MW-6																									

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

3° C

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
David Tenney	Refrigerator	5-27-04	1300
[signature] 5/28/04 1717	[signature]	5/28/04	0957
	Wanda Harrington / STL-SF	5/28/04	1717

8/19/03 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.