

TRC
Customer-Focused Solutions

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June 4, 2004

ConocoPhillips Company
76 Broadway
Sacramento, California 95818

ATTN: MR. THOMAS H. KOSEL

SITE: 76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

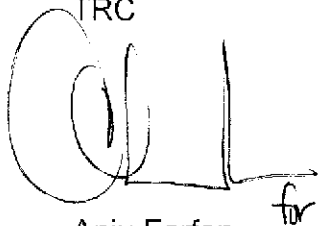
RE: QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2004

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for 76 Station 4186, located 1771 First Street, Livermore, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC



Anju Farfan
QMS Operations Manager

CC: Ms. Eva Chu, Alameda County Health Care Services
Ms. Carol Mahoney, Zone 7 Water Zone
Ms. Barbara Moed, TRC

Enclosures
20-0400/4186R03.QMS.doc



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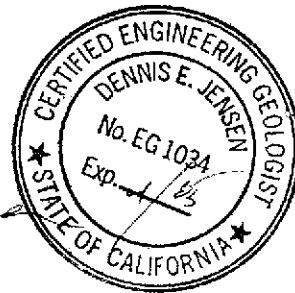
**QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2004**

76 STATION 4186
1771 First Street
Livermore, California

Prepared For:

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

By:



Senior Project Geologist, Irvine Operations
June 4, 2004

QUARTERLY MONITORING REPORT

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Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Benzene Concentrations vs. Time Hydrographs
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Transport and Disposal Limitations

Summary of Gauging and Sampling Activities
April 2004 through June 2004
76 Station 4186
1771 First Street
Livermore, CA

Site Information:

Site:	76 Station 1771 First Street Livermore, CA
Project Coordinator/Phone Number:	Thomas H. Kosel/916-558-7666
Groundwater wells onsite:	5
Groundwater wells offsite:	2

Field Activity:

Sampling consultant:	TRC
Date(s) sampled:	4/15/2004
Groundwater wells gauged:	7
Groundwater wells sampled:	7
Purging method:	submersible pump/ hand bail
Treatment/disposal method during sampling event:	Onyx/Rodeo Unit 100
Free product pumpouts other than sampling event:	No
Treatment/Disposal method during free product pumpouts:	N/A

Site Hydrogeology:

Minimum depth to groundwater (feet bgs):	23.59
Maximum depth to groundwater (feet bgs):	30.05
Average groundwater elevation (feet relative to mean sea level):	450.32
Average change in groundwater elevations since previous event (feet):	-0.96
Groundwater gradient and flow direction:	0.05 ft/ft, Southwest
Previous gradient and/or flow direction (and date):	0.039 ft/ft, west (1/8/2004)

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

Wells with benzene concentrations below MCL:	5
Wells with benzene concentrations at or above MCL:	2
Minimum benzene concentration (µg/l):	ND
Maximum benzene concentration (µg/l):	22 (U-7)
Minimum MTBE concentration (µg/l):	ND
Maximum MTBE concentration (µg/l):	3700
Minimum TPPH concentration (µg/l):	ND
Maximum TPPH concentration (µg/l):	4600 (U-3)
Groundwater wells with free product:	0
Minimum free product thickness (feet):	0
Maximum free product thickness (feet):	0

Additional Information:

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

TABLE KEY

ABBREVIATIONS / SYMBOLS

LPH	=	liquid-phase hydrocarbons
□g/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
DNA	=	data not available
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 □g/l for graphical display.

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

REFERENCE

TRC began groundwater monitoring and sampling activities in October 2003. Historical data 76 Station 4186 was provided by Gettler-Ryan Inc., Dublin, California, in an excel table received in September 2003.

Table 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
April 15, 2004
76 Station 4186

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
		(Screen Interval in feet: 14.0-34.0)												
U-1 04/15/04	478.27	25.33	0.00	452.94	-2.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
		(Screen Interval in feet: 13.0-34.0)												
U-2 04/15/04	477.44	25.20	0.00	452.24	-3.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
		(Screen Interval in feet: 14.0-34.0)												
U-3 04/15/04	478.46	23.59	0.00	454.87	-1.67	--	4600	ND<25	ND<25	36	100	--	3700	
		(Screen Interval in feet: 35.0-45.0)												
U-4 04/15/04	476.93	29.80	0.00	447.13	-0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.2	
		(Screen Interval in feet: 37.0-47.0)												
U-5 04/15/04	476.51	30.05	0.00	446.46	-0.84	--	57	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	37	
		(Screen Interval in feet: DNA)												
U-6 04/15/04	478.38	29.48	0.00	448.90	0.97	--	2400	19	ND<2.5	91	53	--	16	
		(Screen Interval in feet: DNA)												
U-7 04/15/04	478.74	29.03	0.00	449.71	1.32	--	3600	22	1.3	64	40	--	57	

Table 2
HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

July 1998 Through April 2004

76 Station 4186

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
U-1 (Screen Interval in feet: 14.0-34.0)														
10/7/1998	478.27	26.43	0.00	451.84	--	ND	--	ND	ND	ND	ND	ND	--	
1/15/1999	478.27	30.42	0.00	447.85	-3.99	ND	--	ND	ND	ND	1.1	7.3	--	
4/14/1999	478.27	24.21	0.00	454.06	6.21	ND	--	ND	ND	ND	ND	160	--	
7/19/1999	478.27	27.10	0.00	451.17	-2.89	ND	--	ND	ND	ND	ND	92	--	
10/12/1999	478.27	29.40	0.00	448.87	-2.30	ND	--	ND	ND	ND	ND	37	--	
1/24/2000	478.27	27.90	0.00	450.37	1.50	ND	--	ND	ND	ND	ND	28	--	
4/10/2000	478.27	26.16	0.00	452.11	1.74	ND	--	ND	0.93	ND	ND	ND	--	
7/17/2000	478.27	28.04	0.00	450.23	-1.88	ND	--	ND	ND	ND	ND	160	--	
10/2/2000	478.27	28.41	0.00	449.86	-0.37	ND	--	ND	ND	ND	ND	120	--	
1/8/2001	478.27	28.68	0.00	449.59	-0.27	ND	--	ND	ND	ND	ND	103	--	
4/3/2001	478.27	25.74	0.00	452.53	2.94	ND	--	ND	ND	ND	ND	55.1	--	
7/2/2001	478.27	30.67	0.00	447.60	-4.93	ND	--	ND	ND	ND	ND	ND	--	
10/8/2001	478.27	33.13	0.00	445.14	-2.46	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5	--	
1/3/2002	478.27	27.67	0.00	450.60	5.46	160	--	ND<0.50	0.51	ND<0.50	0.69	31	--	
4/5/2002	478.27	29.40	0.00	448.87	-1.73	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	60	--	
7/2/2002	478.27	31.17	0.00	447.10	-1.77	1100	--	ND<0.50	1.7	0.73	130	--	35	
12/30/2002	478.27	22.03	0.00	456.24	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	1.2	--	90	
5/2/2003	478.27	24.13	0.00	454.14	-2.10	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1	--	50	
7/1/2003	478.27	25.35	0.00	452.92	-1.22	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
10/3/2003	478.27	27.24	0.00	451.03	-1.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
1/8/2004	478.27	22.67	0.00	455.60	4.57	--	54	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.5	
4/15/2004	478.27	25.33	0.00	452.94	-2.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-2 (Screen Interval in feet: 13.0-34.0)														
7/13/1998	477.44	23.52	0.00	453.92	--	1200	--	130	12	62	180	1100	--	
10/7/1998	477.44	25.31	0.00	452.13	-1.79	ND	--	ND	ND	ND	ND	160	--	

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
U-2 continued														
1/15/1999	477.44	30.22	0.00	447.22	-4.91	ND	--	ND	ND	ND	ND	280	--	
4/14/1999	477.44	24.50	0.00	452.94	5.72	ND	--	ND	ND	ND	ND	460	--	
7/19/1999	477.44	28.54	0.00	448.90	-4.04	ND	--	ND	ND	ND	ND	220	--	
10/12/1999	477.44	30.48	0.00	446.96	-1.94	ND	--	ND	ND	ND	ND	160	--	
1/24/2000	477.44	24.52	0.00	452.92	5.96	ND	--	ND	ND	ND	ND	150	--	
4/10/2000	477.44	23.68	0.00	453.76	0.84	ND	--	ND	ND	ND	ND	177	--	
7/17/2000	477.44	28.35	0.00	449.09	-4.67	ND	--	ND	ND	ND	ND	62.7	--	
10/2/2000	477.44	28.72	0.00	448.72	-0.37	ND	--	ND	ND	ND	ND	52	--	
1/8/2001	477.44	29.11	0.00	448.33	-0.39	ND	--	ND	ND	ND	ND	57.3	--	
4/3/2001	477.44	25.95	0.00	451.49	3.16	ND	--	ND	ND	ND	ND	30.2	--	
7/2/2001	477.44	29.01	0.00	448.43	-3.06	ND	--	ND	ND	ND	ND	16	--	
10/8/2001	477.44	30.94	0.00	446.50	-1.93	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	82	--	
1/3/2002	477.44	27.33	0.00	450.11	3.61	260	--	7.7	11	1.7	15	42	--	
4/5/2002	477.44	30.02	0.00	447.42	-2.69	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	25	--	
7/2/2002	477.44	31.23	0.00	446.21	-1.21	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<0.50	
10/1/2002	477.44	32.00	0.00	445.44	-0.77	ND<50	--	ND<0.50	0.62	ND<0.50	ND<1	--	ND<2	
12/30/2002	477.44	22.32	0.00	455.12	9.68	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
5/2/2003	477.44	25.92	0.00	451.52	-3.60	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
7/1/2003	477.44	24.99	0.00	452.45	0.93	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
10/3/2003	477.44	25.31	0.00	452.13	-0.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
1/8/2004	477.44	21.94	0.00	455.50	3.37	--	ND<50	ND<0.50	ND<0.50	0.51	ND<1.0	--	ND<2.0	
4/15/2004	477.44	25.20	0.00	452.24	-3.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-3 (Screen Interval in feet: 14.0-34.0)														
7/13/1998	477.44	23.52	0.00	453.92	--	70000	--	3100	5500	2700	16000	7500	--	
10/7/1998	477.44	25.31	0.00	452.13	-1.79	54000	--	5000	1100	3100	14000	6100	--	
1/15/1999	477.44	30.22	0.00	447.22	-4.91	41000	--	3100	ND	1800	3800	15000	--	
4/14/1999	477.44	24.50	0.00	452.94	5.72	33000	--	86	290	2200	7800	39000	--	
7/19/1999	477.44	28.54	0.00	448.90	-4.04	48000	--	3900	2500	3600	14000	12000	16000	
10/12/1999	477.44	30.48	0.00	446.96	-1.94	35000	--	4200	ND	2300	1800	22000	8300	

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
U-3 continued														
1/24/2000	477.44	24.52	0.00	452.92	5.96	13000	--	260	ND	770	3200	53000	42000	
4/10/2000	477.44	23.68	0.00	453.76	0.84	35200	--	1070	241	2820	8850	35600	40900	
7/17/2000	477.44	28.35	0.00	449.09	-4.67	29000	--	3570	525	3180	5660	22500	21000	
10/2/2000	477.44	28.72	0.00	448.72	-0.37	11000	--	2100	31	2000	780	25000	28000	
1/8/2001	477.44	29.11	0.00	448.33	-0.39	33600	--	3060	427	3040	4190	24700	30900	
4/3/2001	477.44	25.95	0.00	451.49	3.16	5390	--	660	10.8	304	356	15200	19300	
7/2/2001	477.44	29.01	0.00	448.43	-3.06	13000	--	1200	58	1300	930	25000	26000	
10/8/2001	477.44	30.94	0.00	446.50	-1.93	6100	--	500	ND<10	570	130	23000	22000	
1/3/2002	477.44	27.33	0.00	450.11	3.61	9900	--	700	130	24	1000	14000	12000	
4/5/2002	477.44	30.02	0.00	447.42	-2.69	9800	--	1100	180	220	1400	16000	30000	
7/2/2002	477.44	31.23	0.00	446.21	-1.21	ND<25000	--	ND<250	ND<250	ND<250	ND<500	12000	12000	
10/1/2002	477.44	32.00	0.00	445.44	-0.77	ND<25000	--	ND<250	ND<250	ND<250	ND<500	12000	12000	
12/30/2002	477.44	22.32	0.00	455.12	9.68	23000	--	330	170	870	4900	18000	18000	
5/2/2003	477.44	25.92	0.00	451.52	-3.60	19000	--	280	ND<50	880	1500	15000	15000	
7/1/2003	477.44	24.99	0.00	452.45	0.93	19000	--	120	ND<100	180	880	22000	22000	
10/3/2003	478.46	26.59	0.00	451.87	-0.58	--	20000	170	ND<50	250	730	--	16000	
1/8/2004	478.46	21.92	0.00	456.54	4.67	--	17000	250	ND<100	770	1500	--	9700	
4/15/2004	478.46	23.59	0.00	454.87	-1.67	--	4600	ND<25	ND<25	36	100	--	3700	
U-4 (Screen Interval in feet: 35.0-45.0)														
4/3/2001	476.93	31.63	0.00	445.30	--	ND	--	ND	ND	ND	ND	37.8	38.2	
7/2/2001	476.93	37.96	0.00	438.97	-6.33	ND	--	ND	ND	ND	ND	5.3	ND	
10/8/2001	476.93	44.24	0.00	432.69	-6.28	--	--	--	--	--	--	--	--	
1/3/2002	476.93	36.15	0.00	440.78	8.09	100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	10	8.5	
4/5/2002	476.93	37.64	0.00	439.29	-1.49	ND<50	--	0.50	ND<0.50	ND<0.50	ND<0.50	4.1	--	
7/2/2002	476.93	36.85	0.00	440.08	0.79	67	--	ND<0.50	ND<0.50	ND<0.50	ND<1	--	12	
10/1/2002	476.93	38.54	0.00	438.39	-1.69	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1	--	9.8	
12/30/2002	476.93	32.64	0.00	444.29	5.90	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1	--	25	
5/2/2003	476.93	31.40	0.00	445.53	1.24	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1	--	4.1	
7/1/2003	476.93	33.60	0.00	443.33	-2.20	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1	--	2.1	

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
U-4 continued														
10/3/2003	476.93	37.63	0.00	439.30	-4.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.1	
1/8/2004	476.93	29.23	0.00	447.70	8.40	--	ND<50	0.55	ND<0.50	1.6	3.7	--	2.5	
4/15/2004	476.93	29.80	0.00	447.13	-0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.2	
U-5 (Screen Interval in feet: 37.0-47.0)														
4/3/2001	476.51	31.75	0.00	444.76	--	ND	--	ND	0.728	ND	0.993	54.8	55.4	
7/2/2001	476.51	38.68	0.00	437.83	-6.93	ND	--	ND	ND	ND	ND	88	94	
10/8/2001	476.51	46.31	0.00	430.20	-7.63	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	37	54	
1/3/2002	476.51	36.55	0.00	439.96	9.76	ND<50	--	ND<0.50	0.59	ND<0.50	0.91	51	53	
4/5/2002	476.51	37.83	0.00	438.68	-1.28	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	37	--	
7/2/2002	476.51	36.92	0.00	439.59	0.91	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1	43	43	
10/1/2002	476.51	--	--	--	--	--	--	--	--	--	--	--	--	
12/30/2002	476.51	--	--	--	--	--	--	--	--	--	--	--	--	
5/2/2003	476.51	31.55	0.00	444.96	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1	--	18	
7/1/2003	476.51	33.83	0.00	442.68	-2.28	73	--	ND<0.50	ND<0.50	ND<0.50	ND<1	--	46	
10/3/2003	476.51	37.72	0.00	438.79	-3.89	--	58	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44	
1/8/2004	476.51	29.21	0.00	447.30	8.51	--	ND<50	ND<0.50	ND<0.50	1.1	2.7	--	17	
4/15/2004	476.51	30.05	0.00	446.46	-0.84	--	57	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	37	
U-6 (Screen Interval in feet: DNA)														
1/3/2002	478.38	33.99	0.00	444.39	--	5000	--	36	ND<25	260	450	ND<250	ND<10	
4/5/2002	478.38	36.18	0.00	442.20	-2.19	1300	--	16	ND<5	54	ND<5	--	--	
7/2/2002	478.38	36.33	0.00	442.05	-0.15	1100	--	1.4	ND<0.50	16	ND<1	--	0.94	
10/1/2002	478.38	37.70	0.00	440.68	-1.37	2000	--	5.4	ND<0.50	62	ND<1	--	2.6	
12/30/2002	478.38	31.63	0.00	446.75	6.07	130	--	ND<0.50	ND<0.50	2.3	ND<1	--	ND<2	
5/2/2003	478.38	31.49	0.00	446.89	0.14	150	--	ND<0.50	ND<0.50	1.8	1.7	--	82	
7/1/2003	478.38	32.88	0.00	445.50	-1.39	190	--	1.8	ND<0.50	9.4	8.7	--	36	
10/3/2003	478.38	36.54	0.00	441.84	-3.66	--	ND<10000	140	ND<100	940	560	--	ND<400	
1/8/2004	478.38	30.45	0.00	447.93	6.09	--	3500	29	32	90	89	--	27	
4/15/2004	478.38	29.48	0.00	448.90	0.97	--	2400	19	ND<2.5	91	53	--	16	
U-7 (Screen Interval in feet: DNA)														

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
U-7 continued														
1/3/2002	478.74	32.43	0.00	446.31	--	3100	--	93	ND<10	35	73	140	130	
4/5/2002	478.74	34.06	0.00	444.68	-1.63	630	--	22	0.53	2.6	ND<0.50	45	--	
7/2/2002	478.74	35.28	0.00	443.46	-1.22	1100	--	21	ND<0.50	6.9	ND<1	--	60	
10/1/2002	478.74	37.70	0.00	441.04	-2.42	1700	--	11	ND<0.50	3.1	ND<1	--	25	
12/30/2002	478.74	31.93	0.00	446.81	5.77	4600	--	41	5.3	32	13	--	34	
5/2/2003	478.74	31.81	0.00	446.93	0.12	3000	--	17	2.70	14	5.10	--	42	
7/1/2003	478.74	33.47	0.00	445.27	-1.66	2300	--	11	0.53	8.0	1.50	--	35	
10/3/2003	478.74	35.84	0.00	442.90	-2.37	--	6500	30	ND<5.0	41	ND<10	--	53	
1/8/2004	478.74	30.35	0.00	448.39	5.49	--	1600	4.0	ND<1.0	4.2	8.7	--	56	
4/15/2004	478.74	29.03	0.00	449.71	1.32	--	3600	22	1.3	64	40	--	57	

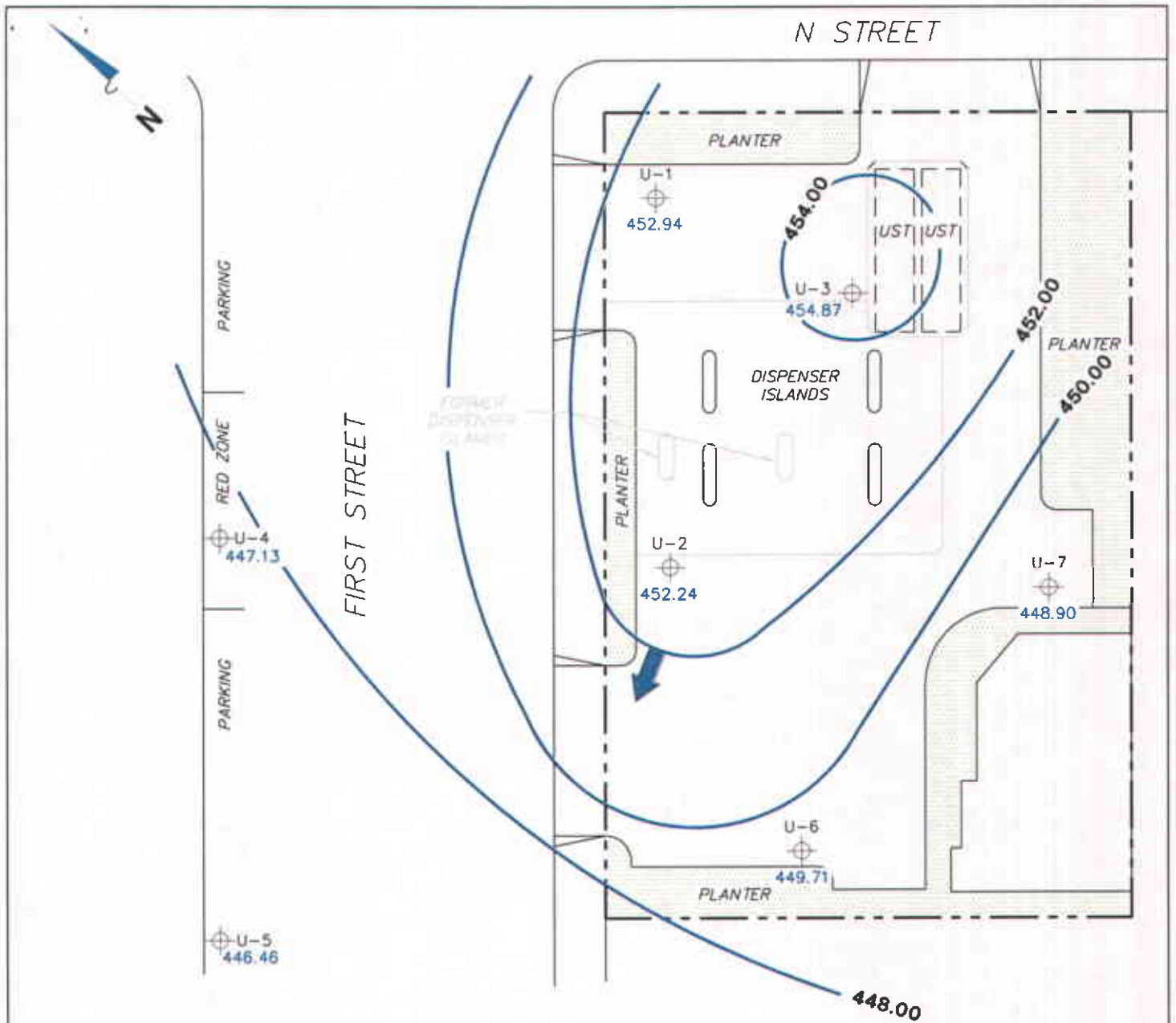
Table 3
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
76 Station 4186

Date Sampled	EDC (µg/l)	1,1-DCA (µg/l)	4-Chloro- toluene (µg/l)	EDB (µg/l)	DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	ORP (mV)	Ethanol 8260B (µg/l)
U-1												
10/2/2000	--	--	--	--	--	--	ND	--	--	--	--	--
12/30/2002	--	--	--	--	0.9	--	--	--	--	--	98	--
5/2/2003	--	--	--	--	0.4	--	--	--	--	--	95	--
7/1/2003	--	--	--	--	0.5	--	--	--	--	ND<500	115	--
10/3/2003	--	--	--	--	--	--	--	--	--	--	--	ND<500
1/8/2004	--	--	--	--	--	--	--	--	--	--	--	ND<500
4/15/2004	--	--	--	--	10.92	--	--	--	--	--	216	ND<50
U-2												
10/2/2000	--	--	--	--	--	--	ND	--	--	--	--	--
10/1/2002	--	--	--	--	1.4	--	--	--	--	--	--	--
12/30/2002	--	--	--	--	3.1	--	--	--	--	--	118	--
5/2/2003	--	--	--	--	140	--	--	--	--	--	120	--
7/1/2003	--	--	--	--	1.2	--	--	--	--	ND<500	100	--
10/3/2003	--	--	--	--	--	--	--	--	--	--	--	ND<500
1/8/2004	--	--	--	--	--	--	--	--	--	--	--	ND<500
4/15/2004	--	--	--	--	12.28	--	--	--	--	--	219	ND<50
U-3												
10/2/2000	--	--	--	--	--	--	63000	--	--	--	--	--
1/8/2001	ND	--	--	ND	--	ND	49300	ND	ND	ND	--	--
4/3/2001	ND	--	--	ND	--	ND	22200	ND	ND	ND	--	--
7/2/2001	ND	--	--	ND	--	ND	27000	ND	ND	ND	--	--
10/8/2001	ND<290	--	--	ND<290	--	ND<290	33000	ND<290	ND<290	ND<140000	--	--
1/3/2002	ND<100	--	--	ND<100	--	ND<100	17000	ND<100	ND<100	ND<50000	--	--
4/5/2002	ND<100	--	--	ND<100	--	ND<100	66000	ND<100	ND<100	ND<25000	--	--
7/2/2002	ND<250	--	--	ND<250	--	ND<250	47000	ND<500	ND<250	ND<13000	--	--
10/1/2002	ND<1000	--	--	ND<1000	0.5	ND<1000	ND<50000	ND<1000	ND<1000	ND<250000	47	--

Date Sampled	EDC (µg/l)	1,1-DCA (µg/l)	4-Chloro-toluene (µg/l)	EDB (µg/l)	DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	ORP (mV)	Ethanol 8260B (µg/l)
U-3 continued												
12/30/2002	ND<400	--	--	ND<400	0.3	ND<400	23000	ND<400	ND<400	ND<100000	110	--
5/2/2003	ND<200	--	--	ND<200	0.6	ND<200	25000	ND<200	ND<200	ND<50000	90	--
7/1/2003	ND<400	--	--	ND<400	0.5	ND<400	32000	ND<400	ND<400	ND<100000	90	--
10/3/2003	--	ND<200	--	ND<200	--	ND<200	39000	ND<2.0	ND<200	--	--	ND<50000
1/8/2004	ND<400	--	--	ND<400	--	ND<400	ND<20000	ND<400	ND<400	--	--	ND<100000
4/15/2004	ND<0.5	--	--	ND<0.5	7.81	ND<0.5	18000	ND<1.0	ND<0.5	--	-6	ND<2500
U-4												
4/3/2001	ND	--	ND	--	--	ND	ND	ND	ND	ND	--	--
7/2/2001	ND	--	ND	--	--	ND	ND	ND	ND	ND	--	--
1/3/2002	ND<1	--	ND<1	--	--	ND<1	ND<20	ND<1	ND<1	ND<500	--	--
10/1/2002	--	--	--	--	0.6	--	--	--	--	--	63	--
12/30/2002	--	--	--	--	0.3	--	--	--	--	--	130	--
5/2/2003	--	--	--	--	0.7	--	--	--	--	--	110	--
7/1/2003	--	--	--	--	0.6	--	--	--	--	ND<500	120	--
10/3/2003	--	--	--	--	--	--	--	--	--	--	--	ND<500
1/8/2004	--	--	--	--	--	--	--	--	--	--	--	ND<500
4/15/2004	--	--	--	--	4.41	--	--	--	--	--	138	ND<50
U-5												
4/3/2001	ND	--	--	ND	--	ND	ND	ND	ND	ND	--	--
7/2/2001	ND	--	--	ND	--	ND	ND	ND	ND	ND	--	--
10/8/2001	ND<2	--	--	ND<2	--	ND<2	ND<100	ND<2	ND<2	ND<1000	--	--
1/3/2002	ND<1	--	--	ND<1	--	ND<1	ND<20	ND<1	ND<1	ND<500	--	--
5/2/2003	--	--	--	--	0.5	--	--	--	--	--	130	--
7/1/2003	--	--	--	--	0.8	--	--	--	--	--	140	--
10/3/2003	--	--	--	--	--	--	--	--	--	--	--	ND<500
1/8/2004	--	--	--	--	--	--	--	--	--	--	--	ND<500
4/15/2004	--	--	--	--	4.36	--	--	--	--	--	183	ND<50
U-6												
1/3/2002	ND<10	--	--	ND<10	--	ND<10	ND<200	ND<10	ND<10	ND<5000	--	--

Date Sampled	EDC (µg/l)	1,1-DCA (µg/l)	4-Chloro-toluene (µg/l)	EDB (µg/l)	DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	ORP (mV)	Ethanol 8260B (µg/l)
U-6 continued												
10/1/2002	--	--	--	--	0.7	--	--	--	--	--	--	--
12/30/2002	--	--	--	--	0.4	--	--	--	--	--	86	--
5/2/2003	--	--	--	--	0.95	--	--	--	--	--	140	--
7/1/2003	--	--	--	--	0.8	--	--	--	--	ND<500	110	--
10/3/2003	--	--	--	--	--	--	--	--	--	--	--	ND<100000
1/8/2004	--	--	--	--	--	--	--	--	--	--	--	ND<5000
4/15/2004	--	--	--	--	4.79	--	--	--	--	--	-7	ND<250
U-7												
1/3/2002	ND<1	--	--	ND<1	--	ND<1	30	ND<1	ND<1	ND<500	--	--
10/1/2002	--	--	--	--	1.1	--	--	--	--	--	69	--
12/30/2002	--	--	--	--	0.2	--	--	--	--	--	120	--
5/2/2003	--	--	--	--	0.5	--	--	--	--	--	100	--
7/1/2003	--	--	--	--	0.6	--	--	--	--	ND<500	90	--
10/3/2003	--	--	--	--	--	--	--	--	--	--	--	ND<5000
1/8/2004	--	--	--	--	--	--	--	--	--	--	--	ND<1000
4/15/2004	--	--	--	--	4.05	--	--	--	--	--	118	ND<100


FIGURES





NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. Groundwater flow direction varies with location. UST = underground storage tank.

LEGEND

U-7  Monitoring Well with Groundwater Elevation (feet)

454.00  Groundwater Elevation Contour

 General Direction of Groundwater Flow

**GROUNDWATER ELEVATION
CONTOUR MAP
April 15, 2004**

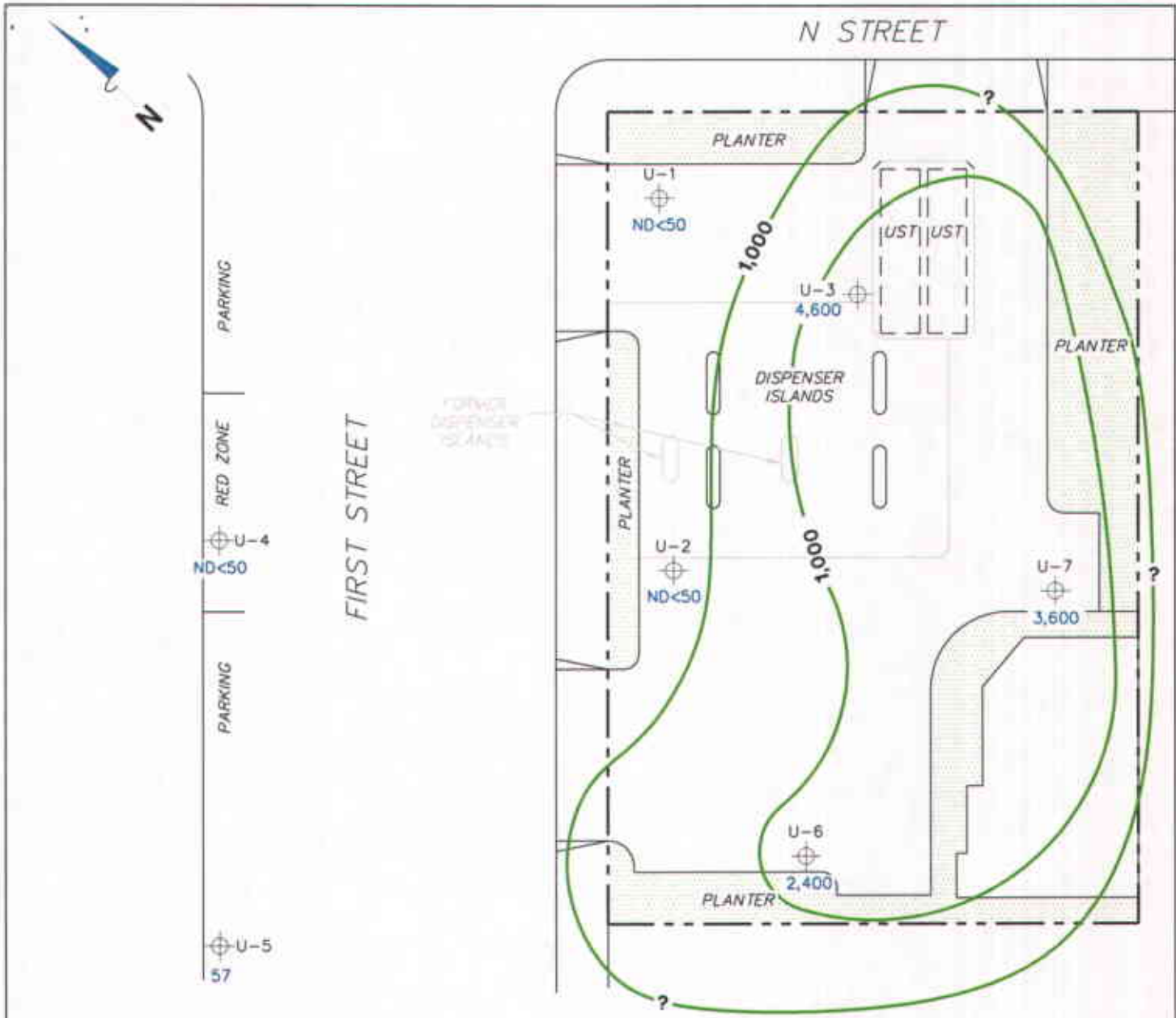
76 Station 4186
1771 First Street
Livermore, California

TRC

SCALE (FEET)



FIGURE 2



NOTES:

Contour lines are interpretive and based on laboratory analysis of groundwater samples.
 TPPH = total purgeable petroleum hydrocarbons.
 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. TPPH results obtained using EPA Method 8260B.

LEGEND

U-7 ⊕ Monitoring Well with Dissolved-Phase TPPH Concentrations (µg/l)

1,000 — Dissolved-Phase TPPH Contour (µg/l)

**DISSOLVED PHASE TPPH CONCENTRATION MAP
 April 15, 2004**

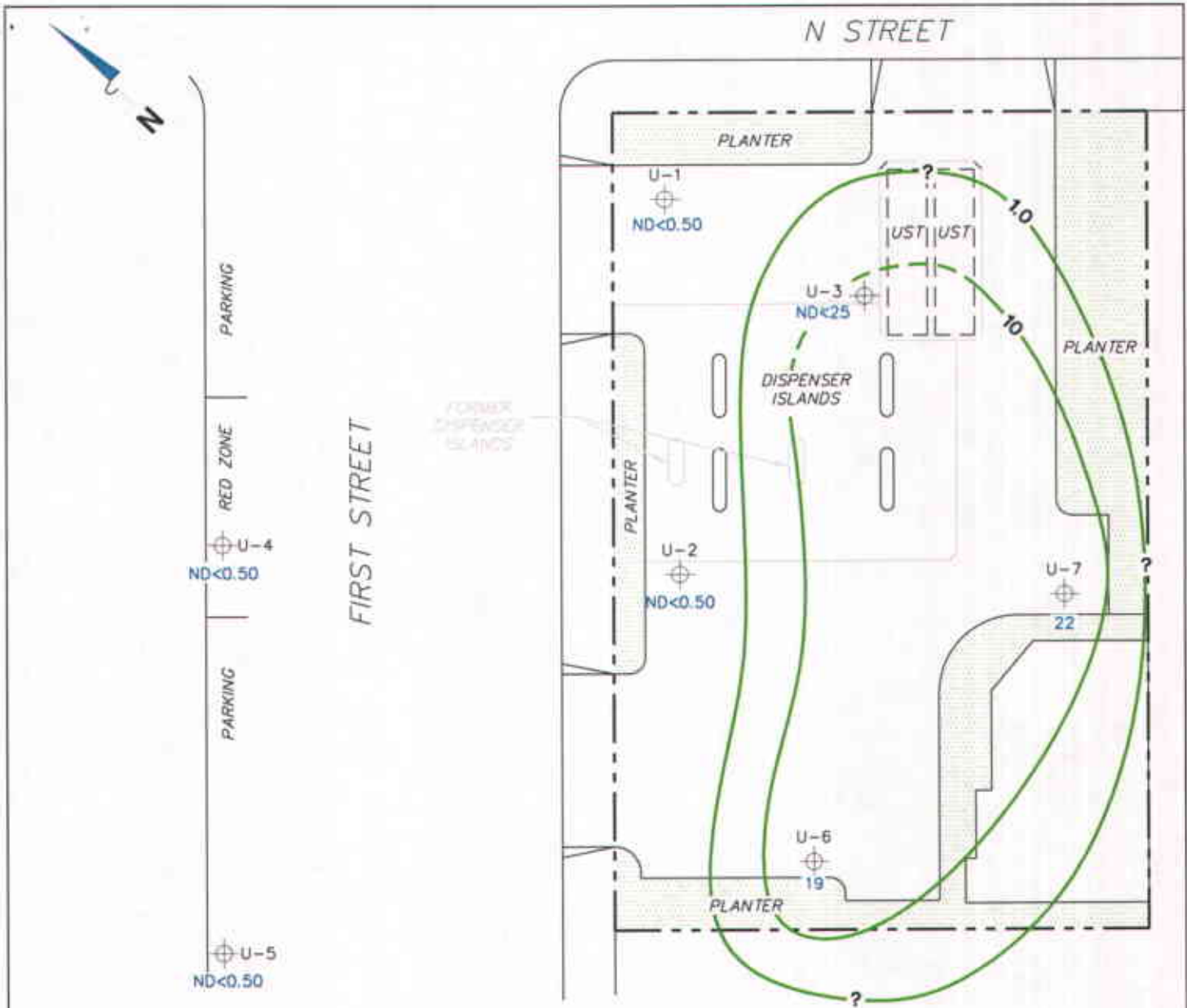
76 Station 4186
 1771 First Street
 Livermore, California



FIGURE 3

PS=1:1 4186-003





NOTES:

Contour lines are interpretive and based on laboratory analysis of groundwater samples.
 B = benzene. $\mu\text{g/l}$ = micrograms per liter.
 ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected. UST = underground storage tank.

LEGEND

U-7 \oplus Monitoring Well with Dissolved-Phase Benzene Concentrations ($\mu\text{g/l}$)

10 — Dissolved-Phase Benzene Contour ($\mu\text{g/l}$)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
 April 15, 2004

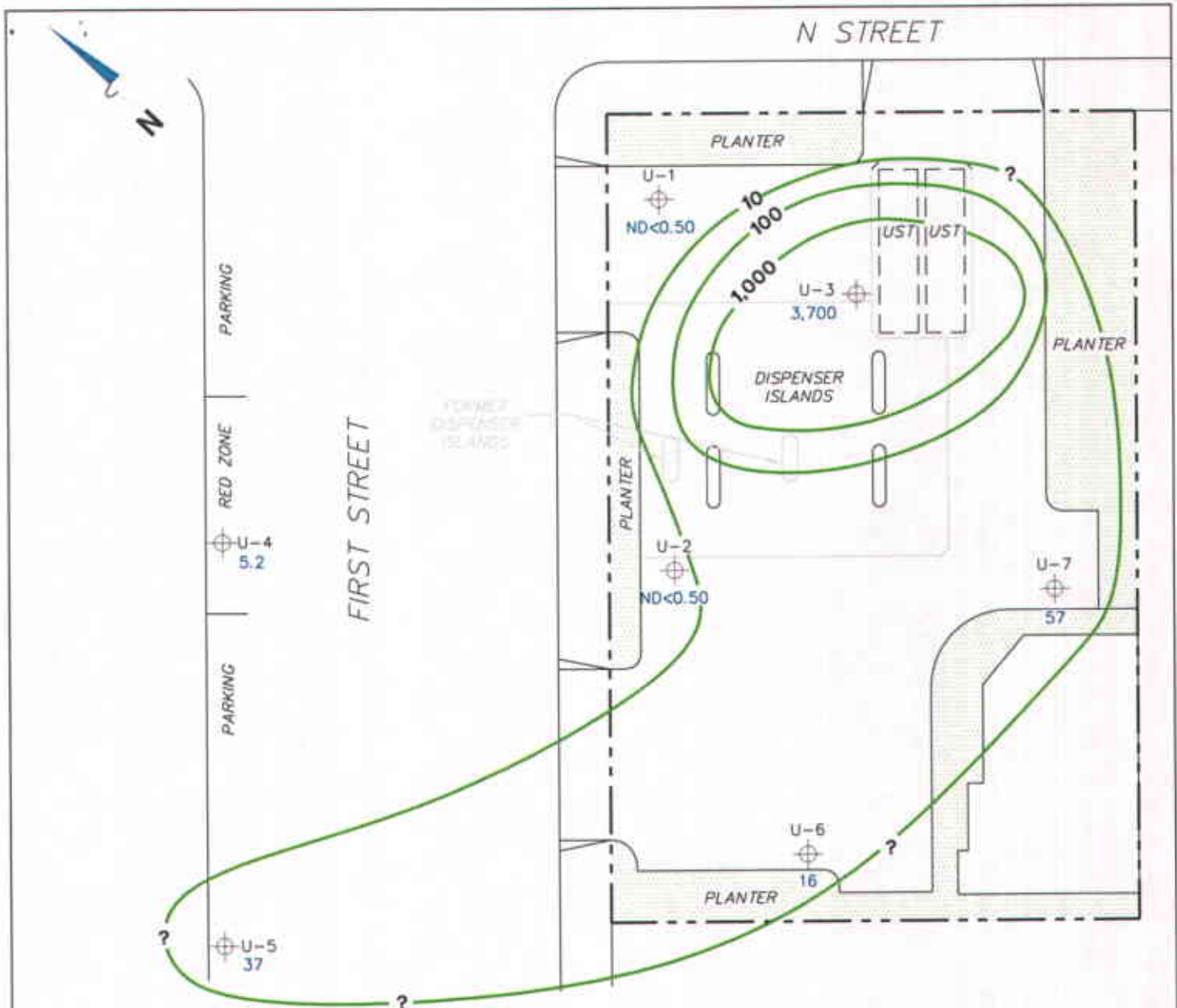
76 Station 4186
 1771 First Street
 Livermore, California



FIGURE 4

PS=1:1 4186-003






NOTES:

Contour lines are interpretive and based on laboratory analysis of groundwater samples. 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. MTBE results obtained using EPA Method 8260B.

LEGEND

u-7  Monitoring Well with Dissolved-Phase MTBE Concentrations (µg/l)

 Dissolved-Phase MTBE Contour (µg/l)

**DISSOLVED PHASE MTBE CONCENTRATION MAP
April 15, 2004**

76 Station 4186
1771 First Street
Livermore, California

PS=1:1 4186-003

TRC

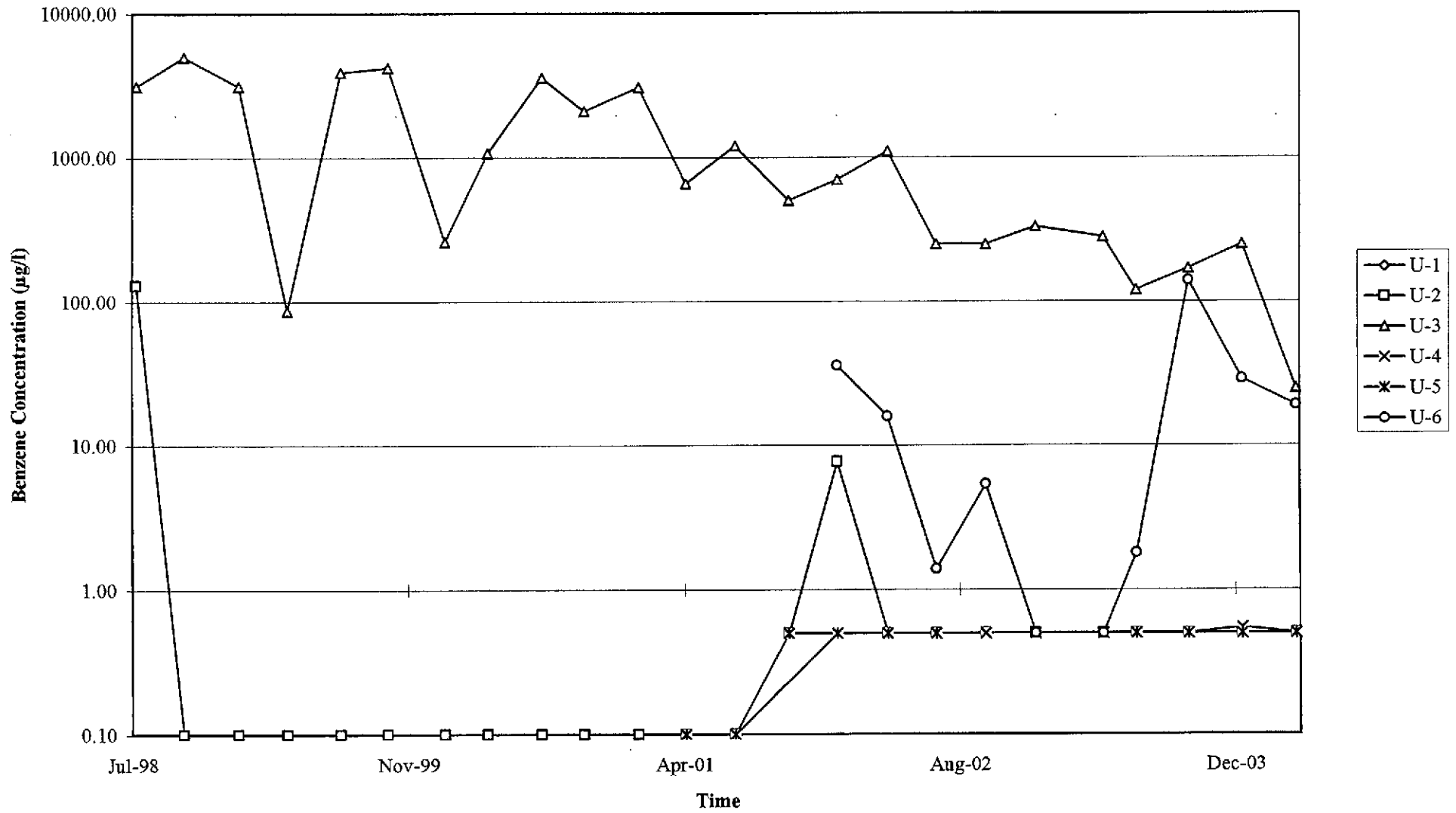
SCALE (FEET)



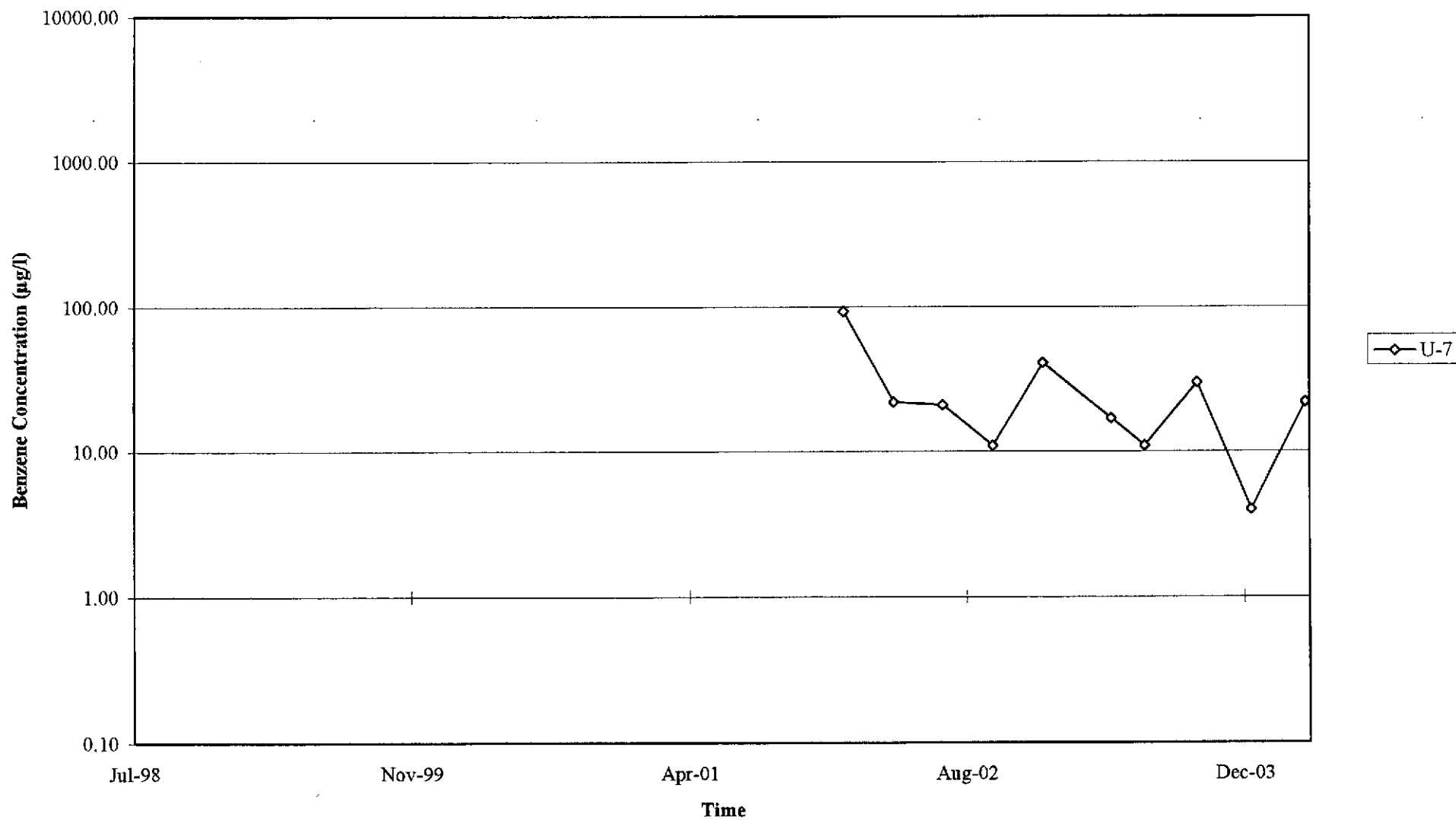
FIGURE 5

GRAPHS

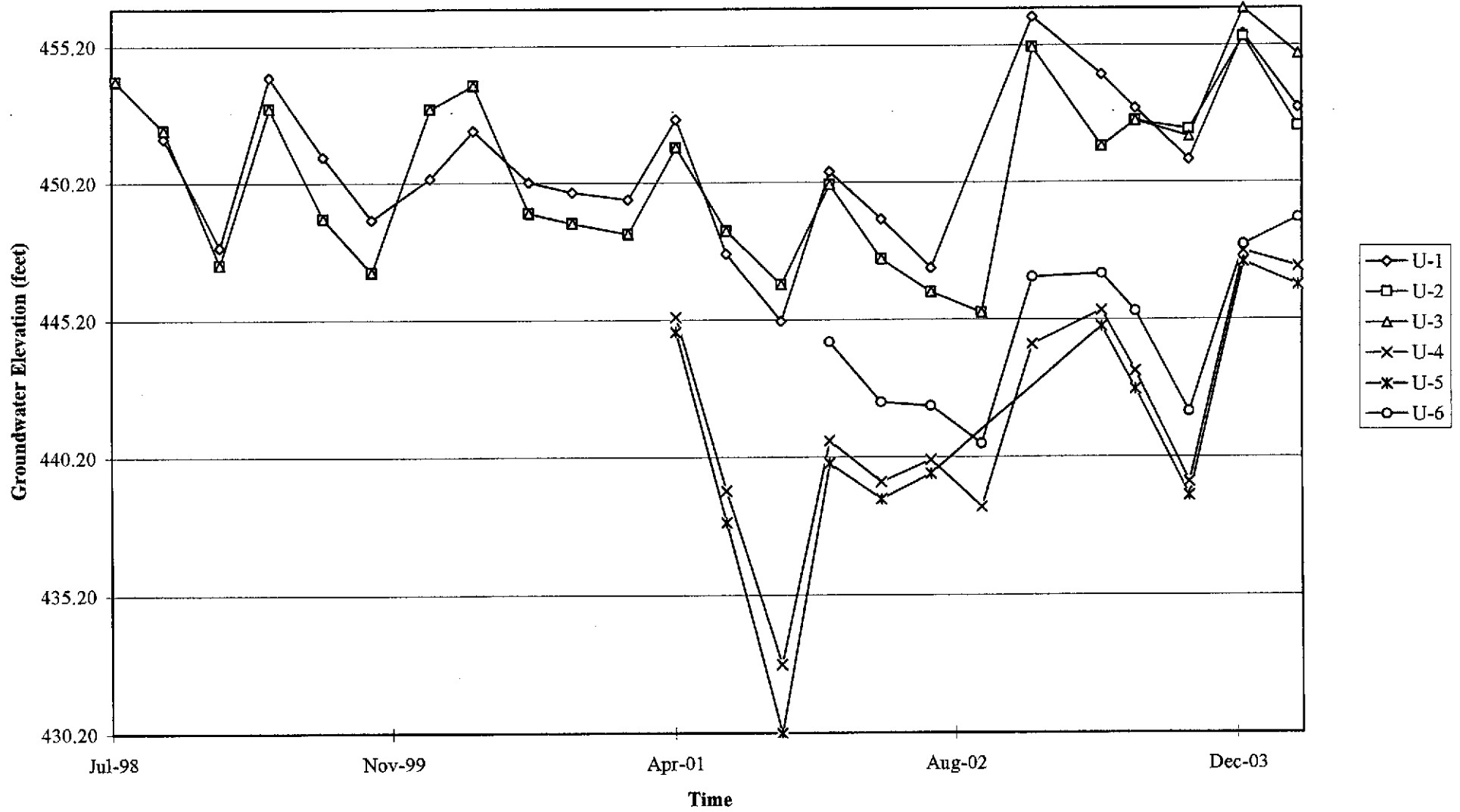
Graph 1
Benzene Concentrations vs. Time
76 Station 4186



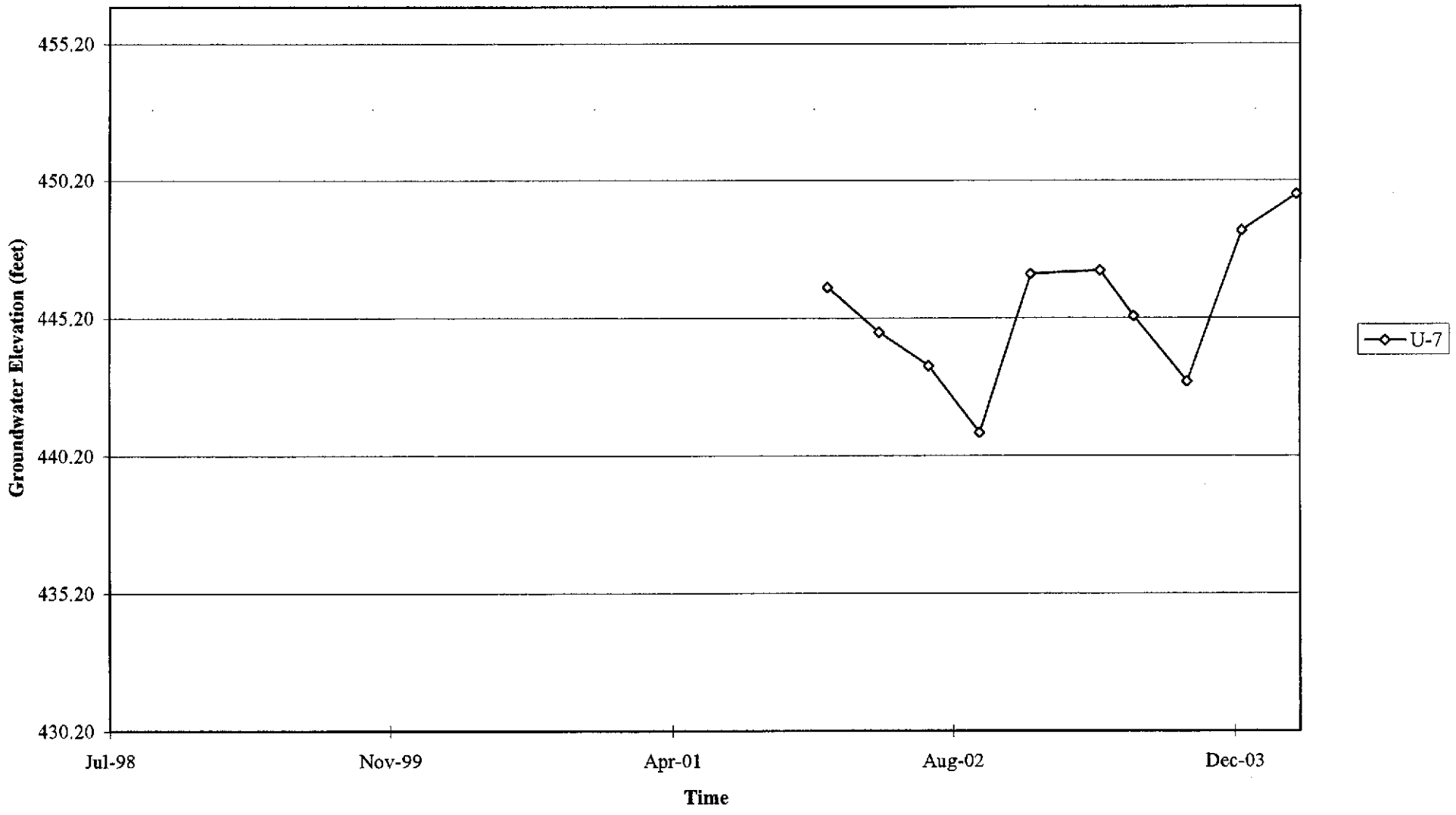
Graph 2
Benzene Concentrations vs. Time
76 Station 4186



Graph 3
Hydrograph
76 Station 4186



Graph 4
Hydrograph
76 Station 4186



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage, or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging, and Sampling

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

Decontamination

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

Exceptions

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

GROUNDWATER SAMPLING FIELD NOTES

Technician: David Tenney

Site: 4186

Project No.: 410500-01/FA20

Date: 4-15-04

Well No.: V-2

Purge Method: sub 0969 or hand bail

Depth to Water (feet): 25.20

Depth to Product (feet): 0

Total Depth (feet): 33.08

LPH & Water Recovered (gallons): 0

Water Column (feet): 7.80

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 26.78

1 Well Volume (gallons): 1

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F.C)	pH	ORP Turbidity	D.O.
0941			1	707w	20.3	6.93	219	12.28
			2	711	20.2	7.04	238	11.45
	1000		3	710	20.4	7.09	259	11.39
Static at Time Sampled		Total Gallons Purged			Time Sampled			
28.60		3			1201			
Comments: <u>well did not recover in 2 hrs.</u>								

Well No.: V-1

Purge Method: sub 0969 hand bail

Depth to Water (feet): 25.33

Depth to Product (feet): 0

Total Depth (feet): 33.99

LPH & Water Recovered (gallons): 0

Water Column (feet): 8.26

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 26.98

1 Well Volume (gallons): 1

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F.C)	pH	ORP Turbidity	D.O.
1019			1	752w	20.1	6.97	216	10.92
			2	753	20.3	7.03	166	10.51
	1034		3	752	20.2	7.02	213	10.56
Static at Time Sampled		Total Gallons Purged			Time Sampled			
27.71		3			1238			
Comments: <u>well did not recover in 2 hours.</u>								

GROUNDWATER SAMPLING FIELD NOTES

Technician: David Tenney

Site: 4186

Project No.: 410500-01/FA20

Date: 4-15-04

Well No.: U-7

Purge Method: Sub 0969

Depth to Water (feet): 29.03

Depth to Product (feet): 0

Total Depth (feet): 44.16

LPH & Water Recovered (gallons): 0

Water Column (feet): 15.13

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 32.06

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. C)	pH	Turbidity ORP	D.O.
1046			2	743 _w	18.4	6.86	118	4.05
			4	750	18.7	6.93	9	3.90
	1056		6	767	18.9	6.88	-16	4.69
Static at Time Sampled		Total Gallons Purged		Time Sampled				
31.98		6		1217				
Comments:								

Well No.: U-6

Purge Method: Sub 0969

Depth to Water (feet): 29.48

Depth to Product (feet): 0

Total Depth (feet): 44.28

LPH & Water Recovered (gallons): 0

Water Column (feet): 14.80

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 32.44

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. C)	pH	ORP Turbidity	D.O.
1108			2	809 _w	19.5	6.57	-7	4.79
			4	813	19.3	6.70	22	4.13
	1118		6	816	19.2	6.65	-20	3.47
Static at Time Sampled		Total Gallons Purged		Time Sampled				
30.48		6		1227				
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: David Tenney

Site: 4186

Project No.: 410500-01/FA20

Date: 4-15-04

Well No.: U-4

Purge Method: Sub 0969

Depth to Water (feet): 29.80

Depth to Product (feet): Ø

Total Depth (feet): 44.89

LPH & Water Recovered (gallons): Ø

Water Column (feet): 15.09

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 32.82

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. C)	pH	o.r.p Turbidity	D.O.
0813			2	777 _N	15.9	6.32	138	4.41
			4	671	16.1	7.32	37	3.71
	0824		6	706	16.7	6.93	116	3.30
Static at Time Sampled			Total Gallons Purged		Time Sampled			
31.86			6		0832			
Comments:								

Well No.: U-5

Purge Method: Sub 0969

Depth to Water (feet): 30.05

Depth to Product (feet): Ø

Total Depth (feet): 46.76

LPH & Water Recovered (gallons): Ø

Water Column (feet): 16.71

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 33.39

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. C)	pH	o.r.p Turbidity	D.O.
0859			3	662 _N	18.6	6.69	183	4.36
			6	661	18.1	6.94	80	3.72
	0911		9	662	18.2	6.86	65	3.35
Static at Time Sampled			Total Gallons Purged		Time Sampled			
31.08			9		0916			
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: David Tenney

Site: 4186

Project No.: 410500-01/FA20

Date: 4-15-04

Well No.: U-3

Purge Method: Sub 0969

Depth to Water (feet): 23.59

Depth to Product (feet): 0

Total Depth (feet): 33.40

LPH & Water Recovered (gallons): 0

Water Column (feet): 9.81

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 25.55

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	OPF Turbidity	D.O.
1129			2	700W	19.5	6.46	-6	7.81
			4	692	19.8	6.63	1	3.89
	1137		6	688	20.1	6.44	24	3.11
Static at Time Sampled			Total Gallons Purged			Time Sampled		
27.58			6			1137		
Comments: <u>well did not recover in 2 hours.</u>								

Well No.: _____

Purge Method: _____

Depth to Water (feet): _____

Depth to Product (feet): _____

Total Depth (feet): _____

LPH & Water Recovered (gallons): _____

Water Column (feet): _____

Casing Diameter (Inches): _____

80% Recharge Depth (feet): _____

1 Well Volume (gallons): _____

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

TRC Alton Geoscience

April 30, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20
Project: Conoco Phillips # 4186
Site: 1771 First Street

Attached is our report for your samples received on 04/16/2004 18:09
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
05/31/2004 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

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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

Project: 41050001FA20

Conoco Phillips # 4186

Received: 04/16/2004 18:09

Site: 1771 First Street

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-1	04/15/2004 12:38	Water	1
U-2	04/15/2004 12:01	Water	2
U-4	04/15/2004 08:32	Water	3
U-5	04/15/2004 09:16	Water	4
U-7	04/15/2004 12:17	Water	5
U-6	04/15/2004 12:27	Water	6
U-3	04/15/2004 13:37	Water	7

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04/29/2004 17:47

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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

Project: 41050001FA20

Conoco Phillips # 4186

Received: 04/16/2004 18:09

Site: 1771 First Street

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: U-1	Lab ID: 2004-04-0549 - 1
Sampled: 04/15/2004 12:38	Extracted: 4/28/2004 01:17
Matrix: Water	QC Batch#: 2004/04/27-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/28/2004 01:17	
Benzene	ND	0.50	ug/L	1.00	04/28/2004 01:17	
Toluene	ND	0.50	ug/L	1.00	04/28/2004 01:17	
Ethylbenzene	ND	0.50	ug/L	1.00	04/28/2004 01:17	
Total xylenes	ND	1.0	ug/L	1.00	04/28/2004 01:17	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	04/28/2004 01:17	
Ethanol	ND	50	ug/L	1.00	04/28/2004 01:17	
Surrogate(s)						
Toluene-d8	106.1	88-110	%	1.00	04/28/2004 01:17	
1,2-Dichloroethane-d4	108.6	76-114	%	1.00	04/28/2004 01:17	

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Gas/BTEX Fuel Oxygenates by 8260B

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Irvine, CA 92718

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Project: 41050001FA20

Conoco Phillips # 4186

Received: 04/16/2004 18:09

Site: 1771 First Street

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: U-2	Lab ID: 2004-04-0549 - 2
Sampled: 04/15/2004 12:01	Extracted: 4/28/2004 01:40
Matrix: Water	QC Batch#: 2004/04/27-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/28/2004 01:40	
Benzene	ND	0.50	ug/L	1.00	04/28/2004 01:40	
Toluene	ND	0.50	ug/L	1.00	04/28/2004 01:40	
Ethylbenzene	ND	0.50	ug/L	1.00	04/28/2004 01:40	
Total xylenes	ND	1.0	ug/L	1.00	04/28/2004 01:40	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	04/28/2004 01:40	
Ethanol	ND	50	ug/L	1.00	04/28/2004 01:40	
Surrogate(s)						
Toluene-d8	101.6	88-110	%	1.00	04/28/2004 01:40	
1,2-Dichloroethane-d4	113.3	76-114	%	1.00	04/28/2004 01:40	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

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Project: 41050001FA20

Conoco Phillips # 4186

Received: 04/16/2004 18:09

Site: 1771 First Street

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: U-4	Lab ID: 2004-04-0549 - 3
Sampled: 04/15/2004 08:32	Extracted: 4/28/2004 02:02
Matrix: Water	QC Batch#: 2004/04/27-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/28/2004 02:02	
Benzene	ND	0.50	ug/L	1.00	04/28/2004 02:02	
Toluene	ND	0.50	ug/L	1.00	04/28/2004 02:02	
Ethylbenzene	ND	0.50	ug/L	1.00	04/28/2004 02:02	
Total xylenes	ND	1.0	ug/L	1.00	04/28/2004 02:02	
Methyl tert-butyl ether (MTBE)	5.2	0.50	ug/L	1.00	04/28/2004 02:02	
Ethanol	ND	50	ug/L	1.00	04/28/2004 02:02	
Surrogate(s)						
Toluene-d8	93.9	88-110	%	1.00	04/28/2004 02:02	
1,2-Dichloroethane-d4	108.6	76-114	%	1.00	04/28/2004 02:02	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
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Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111
Project: 41050001FA20
Conoco Phillips # 4186

Received: 04/16/2004 18:09

Site: 1771 First Street

Prep(s): 5030B Test(s): 8260FAB
Sample ID: U-5 Lab ID: 2004-04-0549 - 4
Sampled: 04/15/2004 09:16 Extracted: 4/28/2004 02:24
Matrix: Water QC Batch#: 2004/04/27-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	57	50	ug/L	1.00	04/28/2004 02:24	g
Benzene	ND	0.50	ug/L	1.00	04/28/2004 02:24	
Toluene	ND	0.50	ug/L	1.00	04/28/2004 02:24	
Ethylbenzene	ND	0.50	ug/L	1.00	04/28/2004 02:24	
Total xylenes	ND	1.0	ug/L	1.00	04/28/2004 02:24	
Methyl tert-butyl ether (MTBE)	37	0.50	ug/L	1.00	04/28/2004 02:24	
Ethanol	ND	50	ug/L	1.00	04/28/2004 02:24	
Surrogate(s)						
Toluene-d8	98.7	88-110	%	1.00	04/28/2004 02:24	
1,2-Dichloroethane-d4	113.1	76-114	%	1.00	04/28/2004 02:24	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Conoco Phillips # 4186

Received: 04/16/2004 18:09

Site: 1771 First Street

Prep(s): 5030B Test(s): 8260FAB
 Sample ID: U-7 Lab ID: 2004-04-0549 - 5
 Sampled: 04/15/2004 12:17 Extracted: 4/29/2004 09:31
 Matrix: Water QC Batch#: 2004/04/29-1A.66
 Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3600	100	ug/L	2.00	04/29/2004 09:31	
Benzene	22	1.0	ug/L	2.00	04/29/2004 09:31	
Toluene	1.3	1.0	ug/L	2.00	04/29/2004 09:31	
Ethylbenzene	64	1.0	ug/L	2.00	04/29/2004 09:31	
Total xylenes	40	2.0	ug/L	2.00	04/29/2004 09:31	
Methyl tert-butyl ether (MTBE)	57	1.0	ug/L	2.00	04/29/2004 09:31	
Ethanol	ND	100	ug/L	2.00	04/29/2004 09:31	
Surrogate(s)						
Toluene-d8	97.7	88-110	%	2.00	04/29/2004 09:31	
1,2-Dichloroethane-d4	98.4	76-114	%	2.00	04/29/2004 09:31	

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Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Conoco Phillips # 4186

Received: 04/16/2004 18:09

Site: 1771 First Street

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: U-6	Lab ID: 2004-04-0549 - 6
Sampled: 04/15/2004 12:27	Extracted: 4/29/2004 15:56
Matrix: Water	QC Batch#: 2004/04/29-1B.66
Analysis Flag: o (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2400	250	ug/L	5.00	04/29/2004 15:56	
Benzene	19	2.5	ug/L	5.00	04/29/2004 15:56	
Toluene	ND	2.5	ug/L	5.00	04/29/2004 15:56	
Ethylbenzene	91	2.5	ug/L	5.00	04/29/2004 15:56	
Total xylenes	53	5.0	ug/L	5.00	04/29/2004 15:56	
Methyl tert-butyl ether (MTBE)	16	2.5	ug/L	5.00	04/29/2004 15:56	
Ethanol	ND	250	ug/L	5.00	04/29/2004 15:56	
Surrogate(s)						
Toluene-d8	98.4	88-110	%	5.00	04/29/2004 15:56	
1,2-Dichloroethane-d4	93.3	76-114	%	5.00	04/29/2004 15:56	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

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Project: 41050001FA20

Conoco Phillips # 4186

Received: 04/16/2004 18:09

Site: 1771 First Street

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/04/27-1A.62-018

Water

Test(s): 8260FAB

QC Batch # 2004/04/27-1A.62

Date Extracted: 04/27/2004 08:18

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/27/2004 08:18	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/27/2004 08:18	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/27/2004 08:18	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	04/27/2004 08:18	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	04/27/2004 08:18	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	04/27/2004 08:18	
1,2-DCA	ND	0.5	ug/L	04/27/2004 08:18	
EDB	ND	0.5	ug/L	04/27/2004 08:18	
Benzene	ND	0.5	ug/L	04/27/2004 08:18	
Toluene	ND	0.5	ug/L	04/27/2004 08:18	
Ethylbenzene	ND	0.5	ug/L	04/27/2004 08:18	
Total xylenes	ND	1.0	ug/L	04/27/2004 08:18	
Ethanol	ND	50	ug/L	04/27/2004 08:18	
Surrogates(s)					
1,2-Dichloroethane-d4	103.6	76-114	%	04/27/2004 08:18	
Toluene-d8	102.2	88-110	%	04/27/2004 08:18	

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Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

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Irvine, CA 92718

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Project: 41050001FA20

Conoco Phillips # 4186

Received: 04/16/2004 18:09

Site: 1771 First Street

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/04/29-1A.66-058

Water

Test(s): 8260FAB

QC Batch # 2004/04/29-1A.66

Date Extracted: 04/29/2004 08:58

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/29/2004 08:58	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/29/2004 08:58	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/29/2004 08:58	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	04/29/2004 08:58	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	04/29/2004 08:58	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	04/29/2004 08:58	
1,2-DCA	ND	0.5	ug/L	04/29/2004 08:58	
EDB	ND	0.5	ug/L	04/29/2004 08:58	
Benzene	ND	0.5	ug/L	04/29/2004 08:58	
Toluene	ND	0.5	ug/L	04/29/2004 08:58	
Ethylbenzene	ND	0.5	ug/L	04/29/2004 08:58	
Total xylenes	ND	1.0	ug/L	04/29/2004 08:58	
Ethanol	ND	50	ug/L	04/29/2004 08:58	
Surrogates(s)					
1,2-Dichloroethane-d4	100.0	76-114	%	04/29/2004 08:58	
Toluene-d8	103.0	88-110	%	04/29/2004 08:58	

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Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

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Irvine, CA 92718

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Project: 41050001FA20

Conoco Phillips # 4186

Received: 04/16/2004 18:09

Site: 1771 First Street

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/04/29-1B.66-058

Water

Test(s): 8260FAB

QC Batch # 2004/04/29-1B.66

Date Extracted: 04/29/2004 08:58

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/29/2004 08:58	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/29/2004 08:58	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/29/2004 08:58	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	04/29/2004 08:58	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	04/29/2004 08:58	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	04/29/2004 08:58	
1,2-DCA	ND	0.5	ug/L	04/29/2004 08:58	
EDB	ND	0.5	ug/L	04/29/2004 08:58	
Benzene	ND	0.5	ug/L	04/29/2004 08:58	
Toluene	ND	0.5	ug/L	04/29/2004 08:58	
Ethylbenzene	ND	0.5	ug/L	04/29/2004 08:58	
Total xylenes	ND	1.0	ug/L	04/29/2004 08:58	
Ethanol	ND	50	ug/L	04/29/2004 08:58	
Surrogates(s)					
1,2-Dichloroethane-d4	100.0	76-114	%	04/29/2004 08:58	
Toluene-d8	103.0	88-110	%	04/29/2004 08:58	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips # 4186

Received: 04/16/2004 18:09

Site: 1771 First Street

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2004/04/27-1A.62

LCS 2004/04/27-1A.62-033
LCSD 2004/04/27-1A.62-056

Extracted: 04/27/2004
Extracted: 04/27/2004

Analyzed: 04/27/2004 07:33
Analyzed: 04/27/2004 07:56

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.4	22.6	25	101.6	90.4	11.7	65-165	20		
Benzene	20.5	20.8	25	82.0	83.2	1.5	69-129	20		
Toluene	22.8	23.4	25	91.2	93.6	2.6	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	496	488	500	99.2	97.6		76-114			
Toluene-d8	445	461	500	89.0	92.2		88-110			

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04/29/2004 17:47

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111
Project: 41050001FA20
Conoco Phillips # 4186

Received: 04/16/2004 18:09

Site: 1771 First Street

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2004/04/29-1A.66

LCS 2004/04/29-1A.66-010
LCSD 2004/04/29-1A.66-034

Extracted: 04/29/2004
Extracted: 04/29/2004

Analyzed: 04/29/2004 08:10
Analyzed: 04/29/2004 08:34

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.9	23.2	25	95.6	92.8	3.0	65-165	20		
Benzene	25.7	26.4	25	102.8	105.6	2.7	69-129	20		
Toluene	25.4	25.0	25	101.6	100.0	1.6	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	445	453	500	89.0	90.6		76-114			
Toluene-d8	508	506	500	101.6	101.2		88-110			

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Gas/BTEX Fuel Oxygenates by 8260B

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21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111
Project: 41050001FA20
Conoco Phillips # 4186

Received: 04/16/2004 18:09

Site: 1771 First Street

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2004/04/29-1B.66

LCS 2004/04/29-1B.66-010

Extracted: 04/29/2004

Analyzed: 04/29/2004 08:10

LCSD 2004/04/29-1B.66-034

Extracted: 04/29/2004

Analyzed: 04/29/2004 08:34

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.9	23.2	25	95.6	92.8	3.0	65-165	20		
Benzene	25.7	26.4	25	102.8	105.6	2.7	69-129	20		
Toluene	25.4	25.0	25	101.6	100.0	1.6	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	445	453	500	89.0	90.6		76-114			
Toluene-d8	508	506	500	101.6	101.2		88-110			

Severn Trent Laboratories, Inc.

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

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

04/29/2004 17:47

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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

Project: 41050001FA20

Conoco Phillips # 4186

Received: 04/16/2004 18:09

Site: 1771 First Street

Legend and Notes

Analysis Flag

o

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

Result Flag

g

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

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 04 - 0549

Checklist completed by: (initials) MV Date: 04, 19 /04

Courier name: STL San Francisco Client _____

Custody seals intact on shipping container/samples Yes ___ No ___ Not Present

Chain of custody present? Yes No ___

Chain of custody signed when relinquished and received? Yes No ___

Chain of custody agrees with sample labels? Yes No ___

Samples in proper container/bottle? Yes No ___

Sample containers intact? Yes No ___

Sufficient sample volume for indicated test? Yes No ___

All samples received within holding time? Yes No ___

Container/Temp Blank temperature in compliance ($4^{\circ}C \pm 2$)? Temp: 2.1 °C Yes No ___

Ice Present Yes No ___

Water - VOA vials have zero headspace? No VOA vials submitted ___ Yes No ___

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

Water - pH acceptable upon receipt? Yes No

pH adjusted- Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc - Lot #(s) _____

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

Comments: _____

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

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

Client contacted: Yes No

Summary of discussion: _____

Corrective Action (per PM/Client): _____

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

ConocoPhillips Chain Of Custody Record

84929

ConocoPhillips Site Manager:
INVOICE REMITTANCE ADDRESS:
2004-04-0549
 CONOCOPHILLIPS
 Attn: Dee Hutchinson
 3611 South Harbor, Suite 200
 Santa Ana, CA. 92704

ConocoPhillips Work Order Number
 ConocoPhillips Cost Object

DATE: **4-15-04**
 PAGE: **1** of **1**

SAMPLING COMPANY: TRC		Valid Value ID:	CONOCOPHILLIPS SITE NUMBER 4186		GLOBAL ID NO.: T0600101777	
ADDRESS: 21 Technology Drive, Irvine CA 92618		SITE ADDRESS (Street and City): 1771 First Street			CONOCOPHILLIPS SITE MANAGER: Thomas Kosel	
PROJECT CONTACT (Hardcopy or PDF Report to): Anju Farfan		EDF DELIVERABLE TO (RP or Designee): Peter Thomson, TRC		PHONE NO.: 949-341-7408	E-MAIL: pthomson@trcsolutions.com	
TELEPHONE: 949-341-7440	FAX: 949-753-0111	E-MAIL: afarfan@trcsolutions.com		LAB USE ONLY		
SAMPLER NAME(S) (Print): David Tenney		CONSULTANT PROJECT NUMBER: 41050001/FA20		REQUESTED ANALYSES		

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

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED
Run 8 OXYS by 8260 on 8260 MTBE hit U-3 only.

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING		MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MBE	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/MBE	Lead <input type="checkbox"/> Total <input type="checkbox"/> DTLC <input type="checkbox"/> DTCLP	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes				
		DATE	TIME											TEMPERATURE ON RECEIPT C°				
	V-1	4-15	1238	GW	3													
	U-2		1201															
	U-4		0832															
	U-5		0916															
	U-7		1217															
	U-6		1227															
	U-3		1337															

Reinquished by: (Signature) [Signature]	Received by: (Signature) Refrigerator	Date: 4-15-04	Time: 1507
Reinquished by: (Signature)	Received by: (Signature) [Signature]	Date: 4/16/04	Time: 1017
Reinquished by: (Signature) [Signature]	Received by: (Signature) Newise Harrington / STL-SF	Date: 4/16/04	Time: 1809

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.