TRC
Customer-Focused Solutions

January 25, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: 76 STATION 5325
3220 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for 76 Station 5325, located at 3220 Lakeshore Avenue, Oakland, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Anju Farfan
QMS Operations Manager

CC: Mr. Roger Batra, TRC (2 copies)

Enclosures
20-0400/5325R05.QMS

21 Technology Drive • Irvine, California 92618
Telephone 949-753-0101 • Fax 949-753-0111

TRC

Customer-Focused Solutions

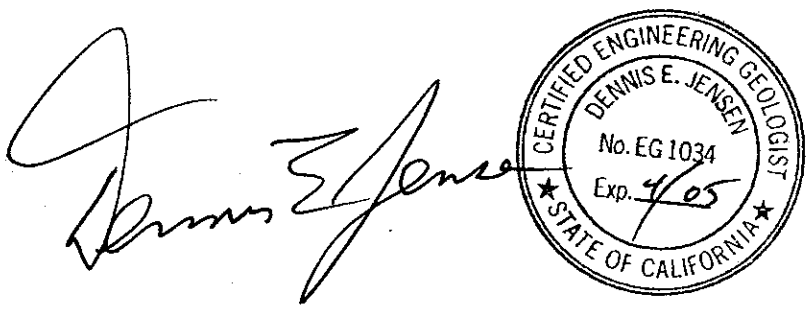
QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004

76 Station 5325
3200 Lakeshore Avenue
Oakland, California

Prepared For:

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

By:



Senior Project Geologist, Irvine Operations
January 25, 2005

21 Technology Drive • Irvine, California 92618
Telephone 949-753-0101 • Fax 949-753-0111

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Table 1: Current Fluid Levels and Selected Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 3: Additional Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPPH Concentrations Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
October 2004 through December 2004
76 Station 5325
3220 Lakeshore Avenue
Oakland, CA

Project Coordinator: **Thomas H. Kosel**
Telephone: **916-558-7666**
Water Sampling Contractor: ***TRC***
Compiled by: **Valentina Tobon**
Date(s) of Gauging/Sampling Event: **12/20/04**

Sample Points

Groundwater wells: **5** onsite, **1** offsite Wells gauged: **6** Wells sampled: **6**
Purging method: **Diaphragm pump**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **7.51 feet** Maximum: **10.79 feet**
Average groundwater elevation (relative to available local datum): **0.18 feet**
Average change in groundwater elevation since previous event: **2.52 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.03 ft/ft, northwest**
Previous event: **0.05 ft/ft, northwest (9/9/04)**

Selected Laboratory Results

Wells with detected **Benzene:** **0** Wells above MCL (1.0 µg/l): **n/a**
Maximum reported benzene concentration: **n/a**

Wells with **TPPH 8260B**	**2**	Maximum: **320 µg/l (U-6)**
Wells with **MTBE**	**4**	Maximum: **11,000 µg/l (U-2)**

Notes:

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

TABLES

TABLE KEY

STANDARD ABREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)

ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TPPH	=	total purgeable petroleum hydrocarbons
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation - Measured Depth to Water + (Dp x LPH Thickness), where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.
9. Historical data has been validated for this report. Values presented in the following tables supercede those from previous reports.

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 5325 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

December 20, 2004

76 Station 5325

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: 5.0-20.0)**												
12/20/04	8.46	9.00	0.00	-0.54	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.2	
U-2		**(Screen Interval in feet: 5.0-20.0)**												
12/20/04	7.62	7.73	0.00	-0.11	0.92	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	11000	
U-3		**(Screen Interval in feet: 5.0-20.0)**												
12/20/04	10.98	10.79	0.00	0.19	0.52	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-4		**(Screen Interval in feet: 5.0-20.0)**												
12/20/04	11.15	8.28	0.00	2.87	1.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-5		**(Screen Interval in feet: 5.0-20.0)**												
12/20/04	6.98	7.51	0.00	-0.53	4.77	--	130	ND<0.50	ND<0.50	1.9	2.0	--	120	
U-6		**(Screen Interval in feet: 5.0-24.0)**												
12/20/04	7.14	7.96	0.00	-0.82	4.85	--	320	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	65	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through December 2004

76 Station 5325

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: 5.0-20.0)**													
8/10/90	--	--	--	--	--	690	--	38	75	8.6	130	--	--	
1/7/91	--	--	--	--	--	250	--	22	16	4.2	17	--	--	
4/1/91	--	--	--	--	--	160	--	13	8.6	1.0	15	--	--	
7/3/91	--	--	--	--	--	140	--	21	4.3	0.36	17	--	--	
10/9/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/92	--	--	--	--	--	250	--	ND	ND	ND	ND	--	--	
5/5/92	--	--	--	--	--	230	--	1.2	ND	ND	ND	--	--	
6/11/92	--	--	--	--	--	1000	--	80	1.4	6.7	41	--	--	
8/20/92	--	--	--	--	--	400	--	1.0	ND	ND	0.6	--	--	
2/22/93	--	--	--	--	--	34000	--	1400	5500	910	7300	--	--	
5/7/93	--	--	--	--	--	8700	--	600	240	650	3300	--	--	
8/8/93	--	--	--	--	--	4900	--	79	ND	832	270	--	--	
11/16/93	5.32	8.61	0.00	-3.29	--	690	--	ND	ND	ND	ND	--	--	
2/16/94	5.32	8.54	0.00	-3.22	0.07	6800	--	ND	ND	ND	ND	--	--	
6/22/94	8.46	8.39	0.00	0.07	3.29	200	--	ND	ND	5.9	21	--	--	
9/22/94	8.46	8.66	0.00	-0.20	-0.27	6100	--	ND	ND	ND	ND	--	--	
12/24/94	8.46	8.04	0.00	0.42	0.62	50000	--	2500	9700	2400	17000	--	--	
3/25/95	8.46	7.72	0.37	1.02	0.60	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
6/21/95	8.46	9.30	0.20	-0.69	-1.71	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
9/19/95	8.46	9.29	0.40	-0.53	0.16	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
12/19/95	8.46	8.98	0.03	-0.50	0.03	--	--	--	--	--	--	--	--	Not sampled due to LPH in well

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through December 2004

76 Station 5325

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 continued														
3/18/96	8.46	8.25	0.00	0.21	0.71	27000	--	ND	2300	1400	11000	4900	--	
6/27/96	8.46	7.92	0.00	0.54	0.33	120000	--	540	4300	2600	26000	ND	--	
9/26/96	8.46	9.10	0.02	-0.63	-1.17	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
12/9/96	8.46	6.88	0.03	1.60	2.23	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
3/14/97	8.46	9.02	0.55	-0.15	-1.75	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
6/30/97	8.46	8.41	0.02	0.07	0.21	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
9/19/97	8.46	8.56	0.02	-0.09	-0.15	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
12/12/97	8.46	8.58	0.01	-0.11	-0.03	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
3/3/98	8.46	8.23	0.04	0.26	0.37	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
6/15/98	8.46	8.37	0.00	0.09	-0.17	52000	--	ND	900	1800	13000	ND	--	Sheen
9/30/98	8.46	8.94	0.00	-0.48	-0.57	1000000	--	ND	2600	13000	83000	4800	--	Sheen
12/28/98	8.46	8.57	0.00	-0.11	0.37	1100000	--	ND	1600	8600	71000	5700	--	
3/22/99	8.46	8.18	0.00	0.28	0.39	130000	--	470	1100	2000	28000	5700	--	Sheen
6/9/99	8.46	9.37	0.00	-0.91	-1.19	40000	--	230	640	590	13000	3500	2100	
9/8/99	8.46	9.53	0.00	-1.07	-0.16	55000	--	217	202	745	14300	6890	6690	
12/7/99	8.46	9.67	0.00	-1.21	-0.14	41200	--	89.3	ND	385	6930	15800	14700	
3/13/00	8.46	8.44	0.00	0.02	1.23	48000	--	490	610	2400	10000	22000	23000	
6/21/00	8.46	9.45	0.00	-0.99	-1.01	37000	--	200	ND	1200	7200	15000	20000	
9/27/00	8.46	9.29	0.00	-0.83	0.16	15000	--	92	ND	540	2800	74000	83000	
12/12/00	8.46	9.37	0.00	-0.91	-0.08	50000	--	ND	ND	250	1900	12000	15000	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through December 2004

76 Station 5325

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 continued														
3/7/01	8.46	8.45	0.00	0.01	0.92	6220	--	29.8	10.4	96.3	638	11200	11800	
6/6/01	8.46	9.29	0.00	-0.83	-0.84	5200	--	17	ND	69	420	6500	8700	
9/24/01	8.46	9.39	0.00	-0.93	-0.10	4300	--	36	ND<25	65	590	4400	4400	
12/10/01	8.46	9.17	0.00	-0.71	0.22	11000	--	220	ND<100	380	1500	5100	5100	
3/11/02	8.46	9.44	0.00	-0.98	-0.27	5500	--	28	ND<20	360	690	6400	6300	
6/4/02	8.46	8.32	0.00	0.14	1.12	4600	--	31	ND<10	240	180	6500	--	
9/3/02	8.46	9.36	0.00	-0.90	-1.04	2300	--	ND<12	ND<12	ND<12	68	3500	4700	
12/3/02	8.46	8.18	0.00	0.28	1.18	--	ND<5000	ND<50	ND<50	ND<50	<100	--	4700	
3/4/03	8.46	8.29	0.00	0.17	-0.11	--	8900	26	ND<25	400	130	--	5500	
6/18/03	8.46	7.58	0.00	0.88	0.71	--	8300	ND<25	ND<25	ND<25	ND<50	--	10000	
9/24/03	8.46	8.18	0.00	--	--	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	11000	
12/2/03	8.46	8.90	0.00	-0.44	--	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	11000	
3/30/04	8.46	8.38	0.00	0.08	0.52	--	12000	ND<100	ND<100	190	ND<200	--	13000	
6/7/04	8.46	10.35	0.00	-1.89	-1.97	--	13000	ND<100	ND<100	ND<100	ND<200	--	12000	
9/9/04	8.46	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
12/20/04	8.46	9.00	0.00	-0.54	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.2	
U-2	**(Screen Interval in feet: 5.0-20.0)**													
8/10/90	--	--	--	--	--	780	--	27	46	15	130	--	--	
1/7/91	--	--	--	--	--	1900	--	67	5.8	58	69	--	--	
4/1/91	--	--	--	--	--	1700	--	250	89	34	190	--	--	
7/3/91	--	--	--	--	--	2100	--	150	25	3.1	290	--	--	
10/9/91	--	--	--	--	--	230	--	7.1	ND	ND	11	--	--	
2/12/92	--	--	--	--	--	410	--	1.9	ND	0.36	0.4	--	--	
5/5/92	--	--	--	--	--	1600	--	120	52	6.2	290	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through December 2004

76 Station 5325

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														
6/11/92	--	--	--	--	--	620	--	17	2.1	ND	37	--	--	
8/20/92	--	--	--	--	--	700	--	28	6.5	1.3	4.6	--	--	
2/22/93	--	--	--	--	--	3400	--	2400	2100	1200	5800	--	--	
5/7/93	--	--	--	--	--	17000	--	1800	660	1700	4000	--	--	
8/8/93	--	--	--	--	--	5600	--	420	ND	410	670	--	--	
11/16/93	4.53	8.17	0.00	-3.64	--	510	--	ND	ND	ND	ND	--	--	
2/16/94	4.53	7.73	0.00	-3.20	0.44	980	--	49	13	2.7	40	--	--	
6/22/94	7.62	7.60	0.00	0.02	3.22	31000	--	2200	62	1500	3500	--	--	
9/22/94	7.62	7.93	0.00	-0.31	-0.33	8500	--	29	ND	ND	ND	--	--	
12/24/94	7.62	7.27	0.00	0.35	0.66	32000	--	1500	890	1300	5000	--	--	
3/25/95	7.62	7.01	0.00	0.61	0.26	170000	--	1900	21000	4800	33000	--	--	
6/21/95	7.62	6.98	0.00	0.64	0.03	16000	--	2100	ND	1800	1700	--	--	
9/19/95	7.62	7.70	0.00	-0.08	-0.72	3000	--	610	ND	78	240	--	--	
12/19/95	7.62	7.30	0.00	0.32	0.40	1600	--	140	55	52	270	--	--	
3/18/96	7.62	6.45	0.00	1.17	0.85	12000	--	2200	ND	1200	2200	22000	--	
6/27/96	7.62	7.41	0.00	0.21	-0.96	28000	--	3400	ND	2800	3100	3000	--	
9/26/96	7.62	7.90	0.00	-0.28	-0.49	5900	--	750	ND	ND	ND	18000	--	
12/9/96	7.62	6.76	0.00	0.86	1.14	13000	--	5100	290	980	370	2700	--	
3/14/97	7.62	7.12	0.03	0.52	-0.34	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
6/30/97	7.62	6.19	0.00	1.43	0.91	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
9/19/97	7.62	7.31	0.00	0.31	-1.12	--	--	--	--	--	--	--	--	Not sampled due to LPH in well

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through December 2004

76 Station 5325

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														
12/12/97	7.62	6.75	0.00	0.87	0.56	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
3/3/98	7.62	6.36	0.00	1.26	0.39	80000	--	3000	1100	820	16000	16000	--	Sheen
6/15/98	7.62	6.51	0.00	1.11	-0.15	48000	--	1800	330	470	7900	20000	--	Sheen
9/30/98	7.62	7.17	0.00	0.45	-0.66	60000	--	1300	ND	500	9700	19000	--	Sheen
12/28/98	7.62	7.06	0.00	0.56	0.11	63000	--	590	160	320	5600	16000	--	
3/22/99	7.62	6.82	0.00	0.80	0.24	28000	--	1100	ND	360	2900	25000	--	
6/9/99	7.62	7.51	0.00	0.11	-0.69	21000	--	110	190	310	2600	7900	7800	
9/8/99	7.62	8.16	0.00	-0.54	-0.65	23300	--	477	138	286	4110	16400	15300	
12/7/99	7.62	8.31	0.00	-0.69	-0.15	4840	--	17.2	ND	ND	157	14900	15600	
3/13/00	7.62	6.69	0.00	0.93	1.62	11000	--	380	160	ND	2100	22000	26000	
6/21/00	7.62	7.67	0.00	-0.05	-0.98	9100	--	22	ND	ND	800	16000	22000	
9/27/00	7.62	7.44	0.00	0.18	0.23	2900	--	43	ND	ND	39	20000	26000	
12/12/00	7.62	7.51	0.00	0.11	-0.07	3600	--	17	ND	ND	87	8000	7800	
3/7/01	7.62	7.15	0.00	0.47	0.36	1670	--	51.0	ND	7.20	19.5	5930	7900	
6/6/01	7.62	7.57	0.00	0.05	-0.42	1100	--	14	ND	9.3	35	9200	10000	
9/24/01	7.62	7.63	0.00	-0.01	-0.06	1000	--	25	ND<2.5	12	100	9800	11000	
12/10/01	7.62	6.78	0.00	0.84	0.85	83	--	14	0.55	3.4	6.8	2500	2500	
3/11/02	7.62	7.12	0.00	0.50	-0.34	ND<1000	--	28	ND<10	40	31	11000	11000	
6/4/02	7.62	7.18	0.00	0.44	-0.06	7700	--	32	ND<25	33	48	14000	--	
9/3/02	7.62	7.58	0.00	0.04	-0.40	5200	--	ND<25	ND<25	ND<25	ND<25	11000	15000	
12/3/02	7.62	7.68	0.00	-0.06	-0.10	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	3200	
3/4/03	7.62	7.77	0.00	-0.15	-0.09	--	8100	ND<50	ND<50	ND<50	ND<100	--	7800	
6/18/03	7.62	6.87	0.00	0.75	0.90	--	11000	ND<50	ND<50	ND<50	ND<100	--	16000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 1990 Through December 2004
76 Station 5325

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														
9/24/03	7.62	7.49	0.00	0.13	-0.62	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	10000	
12/2/03	7.62	7.95	0.00	-0.33	-0.46	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	10000	
3/30/04	7.62	7.07	0.00	0.55	0.88	--	12000	ND<100	ND<100	ND<100	ND<200	--	11000	
6/7/04	7.62	7.75	0.00	-0.13	-0.68	--	14000	ND<100	ND<100	ND<100	ND<200	--	13000	
9/9/04	7.62	8.65	0.00	-1.03	-0.90	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	9500	
12/20/04	7.62	7.73	0.00	-0.11	0.92	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	11000	
U-3	**(Screen Interval in feet: 5.0-20.0)**													
8/10/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
1/7/91	--	--	--	--	--	ND	--	ND	ND	ND	1.8	--	--	
4/1/91	--	--	--	--	--	ND	--	1.0	2.9	0.53	5.4	--	--	
7/3/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/9/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/5/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/11/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/20/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/22/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/7/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/8/93	--	--	--	--	--	210	--	5.0	9.7	0.7	4.1	--	--	
11/16/93	7.86	11.82	0.00	-3.96	--	ND	--	ND	ND	ND	ND	--	--	
2/16/94	7.86	11.62	0.00	-3.76	0.20	ND	--	ND	ND	ND	ND	--	--	
6/22/94	10.98	11.64	0.00	-0.66	3.10	ND	--	ND	ND	ND	ND	--	--	
9/22/94	10.98	11.76	0.00	-0.78	-0.12	ND	--	ND	ND	ND	ND	--	--	
12/24/94	10.98	11.28	0.00	-0.30	0.48	ND	--	ND	ND	ND	ND	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through December 2004

76 Station 5325

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														
3/25/95	10.98	10.96	0.00	0.02	0.32	ND	--	ND	ND	ND	ND	--	--	
6/21/95	10.98	11.37	0.00	-0.39	-0.41	ND	--	ND	ND	ND	ND	--	--	
9/19/95	10.98	11.55	0.00	-0.57	-0.18	ND	--	ND	ND	ND	ND	--	--	
12/19/95	10.98	11.45	0.00	-0.47	0.10	ND	--	ND	ND	ND	ND	--	--	
3/18/96	10.98	11.10	0.00	-0.12	0.35	ND	--	ND	ND	ND	ND	--	--	
6/27/96	10.98	11.16	0.00	-0.18	-0.06	440	--	49	50	51	140	50	--	
9/26/96	10.98	11.55	0.00	-0.57	-0.39	ND	--	ND	ND	ND	ND	ND	--	
12/9/96	10.98	10.12	0.00	0.86	1.43	ND	--	ND	ND	ND	ND	29	--	
3/14/97	10.98	10.87	0.00	0.11	-0.75	ND	--	ND	ND	ND	ND	ND	--	
6/30/97	10.98	11.08	0.00	-0.10	-0.21	ND	--	ND	ND	ND	ND	ND	--	
9/19/97	10.98	11.05	0.00	-0.07	0.03	ND	--	ND	ND	ND	ND	ND	--	
12/12/97	10.98	10.58	0.00	0.40	0.47	ND	--	ND	ND	ND	ND	ND	--	
3/3/98	10.98	9.84	0.00	1.14	0.74	ND	--	ND	ND	ND	ND	ND	--	
6/15/98	10.98	10.56	0.00	0.42	-0.72	ND	--	ND	ND	ND	ND	ND	--	
9/30/98	10.98	11.12	0.00	-0.14	-0.56	ND	--	ND	ND	ND	ND	ND	--	
12/28/98	10.98	10.96	0.00	0.02	0.16	ND	--	ND	ND	ND	ND	ND	--	
3/22/99	10.98	9.46	0.00	1.52	1.50	ND	--	ND	ND	ND	ND	ND	--	
6/9/99	10.98	11.01	0.00	-0.03	-1.55	ND	--	ND	ND	ND	ND	ND	--	
9/8/99	10.98	11.31	0.00	-0.33	-0.30	ND	--	ND	ND	ND	ND	ND	--	
12/7/99	10.98	11.26	0.00	-0.28	0.05	ND	--	ND	ND	ND	ND	ND	--	
3/13/00	10.98	8.28	0.00	2.70	2.98	ND	--	ND	ND	ND	ND	ND	--	
6/21/00	10.98	11.12	0.00	-0.14	-2.84	ND	--	ND	ND	ND	ND	ND	--	
9/27/00	10.98	11.07	0.00	-0.09	0.05	ND	--	ND	ND	ND	ND	ND	--	
12/12/00	10.98	10.94	0.00	0.04	0.13	ND	--	ND	ND	ND	ND	ND	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through December 2004

76 Station 5325

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														
3/7/01	10.98	8.32	0.00	2.66	2.62	ND	--	ND	ND	ND	ND	ND	--	
6/6/01	10.98	10.94	0.00	0.04	-2.62	ND	--	ND	ND	ND	ND	ND	--	
9/24/01	10.98	11.03	0.00	-0.05	-0.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/10/01	10.98	8.16	0.00	2.82	2.87	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
3/11/02	10.98	7.82	0.00	3.16	0.34	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
6/4/02	10.98	10.58	0.00	0.40	-2.76	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
9/3/02	10.98	10.94	0.00	0.04	-0.36	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/3/02	10.98	10.66	0.00	0.32	0.28	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
3/4/03	10.98	10.76	0.00	0.22	-0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
6/18/03	10.98	10.26	0.00	0.72	0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/24/03	10.98	10.88	0.00	0.10	-0.62	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/2/03	10.98	11.00	0.00	-0.02	-0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
3/30/04	10.98	10.64	0.00	0.34	0.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/7/04	10.98	11.00	0.00	-0.02	-0.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/9/04	10.98	11.31	0.00	-0.33	-0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/20/04	10.98	10.79	0.00	0.19	0.52	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-4	**(Screen Interval in feet: 5.0-20.0)**													
6/22/94	11.15	10.16	0.00	0.99	--	ND	--	ND	ND	ND	ND	--	--	
9/22/94	11.15	10.79	0.00	0.36	-0.63	ND	--	0.78	1.3	ND	1.4	--	--	
12/24/94	11.15	9.81	0.00	1.34	0.98	ND	--	ND	ND	ND	ND	--	--	
3/25/95	11.15	9.51	0.00	1.64	0.30	ND	--	ND	ND	ND	ND	--	--	
6/21/95	11.15	9.54	0.00	1.61	-0.03	ND	--	ND	ND	ND	ND	--	--	
9/19/95	11.15	10.17	0.00	0.98	-0.63	ND	--	ND	ND	ND	ND	--	--	
12/19/95	11.15	9.98	0.00	1.17	0.19	ND	--	ND	ND	ND	ND	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 1990 Through December 2004
76 Station 5325

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														
3/18/96	11.15	9.66	0.00	1.49	0.32	ND	--	ND	ND	ND	ND	--	--	
6/27/96	11.15	9.74	0.00	1.41	-0.08	ND	--	ND	ND	ND	ND	ND	--	
9/26/96	11.15	10.14	0.00	1.01	-0.40	ND	--	ND	ND	ND	ND	ND	--	
12/9/96	11.15	8.67	0.00	2.48	1.47	ND	--	ND	ND	ND	ND	33	--	
3/14/97	11.15	9.35	0.00	1.80	-0.68	ND	--	ND	ND	ND	ND	ND	--	
6/30/97	11.15	9.89	0.00	1.26	-0.54	ND	--	ND	ND	ND	ND	ND	--	
9/19/97	11.15	9.96	0.00	1.19	-0.07	ND	--	ND	ND	ND	ND	ND	--	
12/12/97	11.15	8.56	0.00	2.59	1.40	ND	--	ND	ND	ND	ND	ND	--	
3/3/98	11.15	7.85	0.00	3.30	0.71	ND	--	ND	ND	ND	ND	ND	--	
6/15/98	11.15	9.08	0.00	2.07	-1.23	ND	--	ND	ND	ND	ND	ND	--	
9/30/98	11.15	9.75	0.00	1.40	-0.67	ND	--	ND	ND	ND	ND	ND	--	
12/28/98	11.15	9.59	0.00	1.56	0.16	ND	--	ND	ND	ND	ND	ND	--	
3/22/99	11.15	8.34	0.00	2.81	1.25	ND	--	ND	ND	ND	ND	ND	--	
6/9/99	11.15	9.39	0.00	1.76	-1.05	ND	--	ND	ND	ND	ND	ND	--	
9/8/99	11.15	9.90	0.00	1.25	-0.51	ND	--	ND	ND	ND	ND	ND	--	
12/7/99	11.15	10.05	0.00	1.10	-0.15	ND	--	ND	ND	ND	ND	ND	--	
3/13/00	11.15	7.24	0.00	3.91	2.81	ND	--	ND	ND	ND	ND	ND	--	
6/21/00	11.15	9.48	0.00	1.67	-2.24	ND	--	ND	ND	ND	ND	ND	--	
9/27/00	11.15	9.42	0.00	1.73	0.06	ND	--	ND	ND	ND	ND	ND	--	
12/12/00	11.15	9.50	0.00	1.65	-0.08	ND	--	ND	ND	ND	ND	ND	--	
3/7/01	11.15	6.88	0.00	4.27	2.62	ND	--	ND	ND	ND	ND	ND	--	
6/6/01	11.15	9.18	0.00	1.97	-2.30	ND	--	ND	ND	ND	ND	ND	--	
9/24/01	11.15	9.21	0.00	1.94	-0.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/10/01	11.15	7.32	0.00	3.83	1.89	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through December 2004

76 Station 5325

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														
3/11/02	11.15	6.92	0.00	4.23	0.40	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
6/4/02	11.15	7.58	0.00	3.57	-0.66	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
9/3/02	11.15	9.17	0.00	1.98	-1.59	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/3/02	11.15	9.20	0.00	1.95	-0.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
3/4/03	11.15	9.32	0.00	1.83	-0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
6/18/03	11.15	7.65	0.00	3.50	1.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/24/03	11.15	8.26	0.00	2.89	-0.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/2/03	11.15	9.16	0.00	1.99	-0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
3/30/04	11.15	7.47	0.00	3.68	1.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/7/04	11.15	8.93	0.00	2.22	-1.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/9/04	11.15	9.83	0.00	1.32	-0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/20/04	11.15	8.28	0.00	2.87	1.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-5	**(Screen Interval in feet: 5.0-20.0)**													
6/22/94	6.98	6.83	0.00	0.15	--	210	--	7.1	13	4.5	26	--	--	
9/22/94	6.98	6.90	0.00	0.08	-0.07	170	--	8.4	10	8.5	18	--	--	
12/24/94	6.98	6.43	0.00	0.55	0.47	8700	--	560	70	670	430	--	--	
3/25/95	6.98	6.35	0.00	0.63	0.08	44000	--	390	960	1500	7600	--	--	
6/21/95	6.98	7.11	0.00	-0.13	-0.76	400	--	2.3	ND	9.1	3.5	--	--	
9/19/95	6.98	6.99	0.00	-0.01	0.12	850	--	14	7.1	13	66	--	--	
12/19/95	6.98	7.17	0.00	-0.19	-0.18	ND	--	ND	ND	ND	ND	--	--	
3/18/96	6.98	6.65	0.00	0.33	0.52	100	--	0.67	0.5	0.51	5.4	--	--	
6/27/96	6.98	6.49	0.00	0.49	0.16	16000	--	280	150	1400	4600	530	--	
9/26/96	6.98	7.13	0.00	-0.15	-0.64	ND	--	ND	0.57	ND	0.96	ND	--	
12/9/96	6.98	5.90	0.00	1.08	1.23	1300	--	29	46	ND	140	97	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through December 2004

76 Station 5325

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-5 continued														
3/14/97	6.98	6.99	0.00	-0.01	-1.09	ND	--	ND	ND	ND	ND	14	--	
6/30/97	6.98	7.08	0.00	-0.10	-0.09	4200	--	74	51	180	980	270	--	
9/19/97	6.98	6.78	0.00	0.20	0.30	6300	--	160	13	370	1000	480	--	
12/12/97	6.98	6.94	0.00	0.04	-0.16	60	--	1.3	ND	1.6	2.1	47	--	
3/3/98	6.98	6.50	0.00	0.48	0.44	1700	--	29	ND	150	190	330	--	
6/15/98	6.98	6.85	0.00	0.13	-0.35	1500	--	32	ND	91	83	330	--	
9/30/98	6.98	7.31	0.00	-0.33	-0.46	1700	--	44	ND	39	150	60	--	
12/28/98	6.98	7.25	0.00	-0.27	0.06	1400	--	59	ND	13	27	150	--	
3/22/99	6.98	6.86	0.00	0.12	0.39	780	--	8.9	ND	0.76	4.5	350	--	
6/9/99	6.98	7.28	0.00	-0.30	-0.42	1000	--	ND	ND	10	35	280	350	
9/8/99	6.98	7.52	0.00	-0.54	-0.24	2620	--	26.2	ND	32.2	157	280	239	
12/7/99	6.98	7.67	0.00	-0.69	-0.15	949	--	9.26	ND	11.2	22.7	235	301	
3/13/00	6.98	6.73	0.00	0.25	0.94	880	--	12	1.0	5.6	8.7	46	37	
6/21/00	6.98	7.39	0.00	-0.41	-0.66	700	--	4.0	ND	0.99	4.0	120	140	
9/27/00	6.98	7.45	0.00	-0.47	-0.06	400	--	1.9	ND	ND	1.5	160	250	
12/12/00	6.98	7.68	0.00	-0.70	-0.23	770	--	3.2	ND	ND	ND	27	13	
3/7/01	6.98	6.83	0.00	0.15	0.85	623	--	5.15	ND	ND	0.669	35.7	43.4	
6/6/01	6.98	7.42	0.00	-0.44	-0.59	110	--	ND	ND	ND	ND	ND	--	
9/24/01	6.98	7.50	0.00	-0.52	-0.08	270	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	40	42	
12/10/01	6.98	6.65	0.00	0.33	0.85	420	--	13	0.60	0.66	ND<0.50	ND<2.5	--	
3/11/02	6.98	7.00	0.00	-0.02	-0.35	260	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	42	47	
6/4/02	6.98	6.71	0.00	0.27	0.29	170	--	ND<0.50	0.77	0.87	0.69	29	--	
9/3/02	6.98	7.47	0.00	-0.49	-0.76	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	37	53	
12/3/02	6.98	6.64	0.00	0.34	0.83	--	320	ND<0.50	ND<0.50	5.7	ND<1.0	--	11	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through December 2004

76 Station 5325

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-5 continued														
3/4/03	6.98	6.75	0.00	0.23	-0.11	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44	
6/18/03	6.98	6.25	0.00	0.73	0.50	--	51	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	36	
9/24/03	6.98	6.86	0.00	0.12	-0.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/2/03	6.98	7.12	0.00	-0.14	-0.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	24	
3/30/04	6.98	6.88	0.00	0.10	0.24	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	130	
6/7/04	6.98	8.53	0.00	-1.55	-1.65	--	250	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	160	
9/9/04	6.98	12.28	0.00	-5.30	-3.75	--	340	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	260	
12/20/04	6.98	7.51	0.00	-0.53	4.77	--	130	ND<0.50	ND<0.50	1.9	2.0	--	120	
U-6	**(Screen Interval in feet: 5.0-24.0)**													
6/22/94	7.14	7.14	0.00	0.00	--	ND	--	ND	ND	ND	ND	--	--	
9/22/94	7.14	7.34	0.00	-0.20	-0.20	130	--	1.3	0.8	ND	0.73	--	--	
12/24/94	7.14	6.67	0.00	0.47	0.67	6900	--	500	59	600	380	--	--	
3/25/95	7.14	6.29	0.00	0.85	0.38	47000	--	450	1300	1700	8200	--	--	
6/21/95	7.14	7.60	0.00	-0.46	-1.31	ND	--	ND	ND	ND	ND	--	--	
9/19/95	7.14	7.70	0.00	-0.56	-0.10	ND	--	ND	ND	ND	ND	--	--	
12/19/95	7.14	7.75	0.00	-0.61	-0.05	210	--	2.5	1.0	2.9	17	--	--	
3/18/96	7.14	6.86	0.00	0.28	0.89	ND	--	ND	ND	ND	ND	--	--	
6/27/96	7.14	6.52	0.00	0.62	0.34	ND	--	ND	ND	ND	ND	510	--	
9/26/96	7.14	7.62	0.00	-0.48	-1.10	ND	--	ND	ND	ND	ND	1400	--	
12/9/96	7.14	5.88	0.00	1.26	1.74	1200	--	29	48	6.4	140	58	--	
3/14/97	7.14	7.30	0.00	-0.16	-1.42	ND	--	ND	ND	ND	ND	1500	--	
6/30/97	7.14	7.35	0.00	-0.21	-0.05	ND	--	ND	ND	ND	ND	990	--	
9/19/97	7.14	7.25	0.00	-0.11	0.10	ND	--	ND	ND	ND	ND	1400	--	
12/12/97	7.14	7.29	0.00	-0.15	-0.04	ND	--	ND	ND	ND	ND	680	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through December 2004

76 Station 5325

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-6 continued														
3/3/98	7.14	7.00	0.00	0.14	0.29	ND	--	ND	ND	ND	ND	1600	--	
6/15/98	7.14	7.18	0.00	-0.04	-0.18	ND	--	ND	ND	ND	ND	1000	--	
9/30/98	7.14	7.90	0.00	-0.76	-0.72	ND	--	ND	ND	ND	ND	1200	--	
12/28/98	7.14	7.79	0.00	-0.65	0.11	ND	--	ND	ND	ND	ND	730	--	
3/22/99	7.14	7.47	0.00	-0.33	0.32	ND	--	ND	ND	ND	ND	1800	--	
6/9/99	7.14	7.73	0.00	-0.59	-0.26	ND	--	ND	ND	ND	ND	1000	850	
9/8/99	7.14	7.95	0.00	-0.81	-0.22	ND	--	ND	ND	ND	ND	851	1040	
12/7/99	7.14	8.10	0.00	-0.96	-0.15	ND	--	ND	ND	ND	ND	1140	1150	
3/13/00	7.14	6.95	0.00	0.19	1.15	ND	--	ND	ND	ND	ND	560	670	
6/21/00	7.14	7.84	0.00	-0.70	-0.89	ND	--	ND	ND	ND	ND	400	590	
9/27/00	7.14	7.68	0.00	-0.54	0.16	ND	--	ND	ND	ND	ND	2500	2800	
12/12/00	7.14	7.74	0.00	-0.60	-0.06	ND	--	ND	ND	ND	ND	590	580	
3/7/01	7.14	7.27	0.00	-0.13	0.47	ND	--	ND	ND	ND	ND	310	321	
6/6/01	7.14	7.80	0.00	-0.66	-0.53	ND	--	ND	ND	ND	ND	250	330	
9/24/01	7.14	7.82	0.00	-0.68	-0.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	530	660	
12/10/01	7.14	7.15	0.00	-0.01	0.67	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	220	220	
3/11/02	7.14	7.32	0.00	-0.18	-0.17	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	720	760	
6/4/02	7.14	7.18	0.00	-0.04	0.14	250	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	470	--	
9/3/02	7.14	7.72	0.00	-0.58	-0.54	420	--	ND<2.5	ND<2.5	ND<2.5	4.7	860	1200	
12/3/02	7.14	6.92	0.00	0.22	0.80	--	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<10	--	870	
3/4/03	7.14	7.01	0.00	0.13	-0.09	--	2300	ND<10	ND<10	ND<10	ND<20	--	2700	
6/18/03	7.14	6.60	0.00	0.54	0.41	--	1300	ND<10	ND<10	ND<10	ND<20	--	1700	
9/24/03	7.14	7.24	0.00	-0.10	-0.64	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	1500	
12/2/03	7.14	7.80	0.00	-0.66	-0.56	--	1300	ND<10	ND<10	ND<10	ND<20	--	1800	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through December 2004

76 Station 5325

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-6 continued														
3/30/04	7.14	7.32	0.00	-0.18	0.48	--	1200	ND<10	ND<10	ND<10	ND<20	--	1700	
6/7/04	7.14	9.35	0.00	-2.21	-2.03	--	1700	ND<10	ND<10	ND<10	ND<20	--	1800	
9/9/04	7.14	12.81	0.00	-5.67	-3.46	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	1400	
12/20/04	7.14	7.96	0.00	-0.82	4.85	--	320	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	65	

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	Phosphate	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(µg/l)
U-1														
6/15/98	--	--	--	--	ND	--	--	--	--	39	382	--	ND	--
9/30/98	--	--	--	--	ND	--	--	--	--	17	366	--	ND	--
12/28/98	--	--	--	--	6.30	--	--	--	--	4.30	298	--	28	--
3/22/99	--	--	--	--	ND	--	--	--	--	4.90	320	--	3.5	--
6/9/99	--	--	--	--	ND	--	--	--	--	1.2	260	--	ND	--
9/8/99	--	--	--	--	ND	--	--	--	--	1.80	85	--	ND	--
12/7/99	--	--	1.36	--	ND	--	--	--	--	5.70	404	--	17.0	--
3/13/00	--	--	--	--	0.18	--	--	--	--	8.0	262	--	ND	--
6/21/00	--	--	1.53	--	ND	--	--	--	--	9.3	148	--	ND	--
9/27/00	--	ND	1.63	--	ND	ND	ND	ND	ND	2.8	119	--	18.4	--
12/12/00	--	--	1.48	--	ND	--	--	--	--	0.49	131	--	16.0	--
3/7/01	--	ND	1.91	--	2.64	ND	ND	ND	ND	0.483	125	--	6.89	--
6/6/01	--	ND	1.77	--	ND	ND	ND	ND	ND	1.0	141	--	2.7	--
9/24/01	ND<1000	ND<1000	1.64	--	0.45	ND<1000	ND<20000	ND<1000	ND<1000	ND<0.10	125	--	--	ND<400000
12/10/01	ND<100	ND<100	1.82	--	ND<0.50	ND<100	ND<4000	ND<100	ND<100	14	141	--	2.2	ND<8000
3/11/02	ND<100	ND<100	2.21	--	ND<0.50	ND<100	ND<5000	ND<100	ND<100	15	132	--	0.11	ND<25000
6/4/02	--	--	1.88	--	ND<0.50	--	--	--	--	ND<0.50	117	--	ND<0.10	--
9/3/02	ND<200	ND<200	1.62	--	ND<0.50	ND<200	ND<10000	ND<200	ND<200	ND<0.50	94	--	ND<0.10	ND<50000
12/3/02	ND<200	ND<200	1.71	--	ND<1.0	ND<200	ND<10000	ND<200	ND<200	9.6	72	--	ND<1.0	ND<50000
3/4/03	ND<100	ND<100	0.30	--	ND<1.0	ND<100	ND<5000	ND<100	ND<100	36	-125	--	ND<1.0	ND<25000
6/18/03	ND<100	ND<100	--	1.7	ND<1.0	ND<100	ND<5000	ND<100	ND<100	16	-48	--	ND<1.0	ND<25000
9/24/03	ND<400	ND<400	0.40	--	ND<1.0	ND<400	ND<20000	ND<400	ND<400	15	-36	--	ND<1.0	ND<100000
12/2/03	--	--	--	--	--	--	--	--	--	4.0	--	--	--	ND<100000
3/30/04	ND<100	ND<100	--	--	ND<1.0	ND<100	3100	ND<200	ND<100	12	--	--	ND<1.0	ND<10000
6/7/04	ND<100	ND<100	--	--	ND<0.50	ND<100	3300	ND<200	ND<100	0.66	--	--	6.8	ND<10000
12/20/04	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	11	ND<1.0	ND<0.50	0.015	--	--	ND<1.0	ND<50

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	Phosphate	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(µg/l)
U-2														
3/3/98	--	--	--	--	ND	--	--	--	--	25	369	--	ND	--
6/15/98	--	--	--	--	ND	--	--	--	--	42	341	--	ND	--
9/30/98	--	--	--	--	ND	--	--	--	--	25	354	--	ND	--
12/28/98	--	--	--	--	ND	--	--	--	--	28	276	--	ND	--
3/22/99	--	--	--	--	ND	--	--	--	--	0.68	320	--	2.3	--
6/9/99	--	--	--	--	ND	--	--	--	--	0.50	290	--	ND	--
9/8/99	--	--	--	--	ND	--	--	--	--	1.90	235	--	ND	--
12/7/99	--	--	2.28	--	ND	--	--	--	--	0.250	389	--	ND	--
3/13/00	--	--	--	--	0.31	--	--	--	--	4.3	184	--	ND	--
6/21/00	--	--	1.96	--	ND	--	--	--	--	0.26	136	--	ND	--
9/27/00	--	--	2.12	--	ND	--	--	--	--	0.64	142	--	10.5	--
12/12/00	--	--	2.35	--	ND	--	--	--	--	2.7	155	--	ND	--
3/7/01	ND	ND	2.21	--	2.24	ND	ND	ND	ND	0.677	148	--	3.02	ND
6/6/01	ND	ND	2.67	--	ND	ND	ND	ND	ND	0.80	163	--	2.8	ND
9/24/01	ND<1000	ND<1000	2.10	--	0.49	ND<1000	ND<20000	ND<1000	ND<1000	ND<0.10	151	--	--	ND<400000
12/10/01	ND<50	ND<50	2.81	--	ND<0.50	ND<50	ND<2000	ND<50	ND<50	ND<0.10	171	--	0.20	ND<4000
3/11/02	ND<200	ND<200	2.77	--	ND<0.50	ND<200	ND<10000	ND<200	ND<200	ND<0.10	156	--	0.65	ND<50000
6/4/02	--	--	3.14	--	ND<0.50	--	--	--	--	ND<0.10	144	--	ND<0.10	--
9/3/02	ND<1000	ND<1000	2.85	--	ND<0.50	ND<1000	ND<50000	ND<1000	ND<1000	ND<0.25	151	--	0.26	ND<250000
12/3/02	ND<200	ND<200	1.97	--	ND<1.0	ND<200	ND<10000	ND<200	ND<200	9.9	94	--	ND<1.0	ND<50000
3/4/03	ND<200	ND<200	0.40	--	ND<1.0	ND<200	ND<10000	ND<200	ND<200	8.6	-147	--	ND<1.0	ND<50000
6/18/03	ND<200	ND<200	--	3.2	ND<1.0	ND<200	ND<10000	ND<200	ND<200	5.5	-8	--	3.1	ND<50000
9/24/03	ND<400	ND<400	0.20	--	ND<1.0	ND<400	ND<20000	ND<400	ND<400	14	-10	--	ND<1.0	ND<100000
12/2/03	--	--	--	--	--	--	--	--	--	2.7	--	--	--	ND<100000
3/30/04	ND<100	ND<100	--	--	ND<1.0	ND<100	2400	ND<200	ND<100	ND<0.20	--	--	2.9	ND<10000
6/7/04	ND<100	ND<100	--	--	ND<0.50	ND<100	2600	ND<200	ND<100	0.21	--	--	2.4	ND<10000

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	Phosphate	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(µg/l)
U-2 continued														
9/9/04	ND<100	ND<100	--	--	ND<1.0	ND<100	2700	ND<200	ND<100	0.93	--	--	5.9	ND<10000
12/20/04	ND<50	ND<50	--	--	ND<1.0	ND<50	3500	ND<100	ND<50	0.87	--	--	ND<1.0	ND<5000
U-3														
6/30/97	--	--	4.10	--	21	--	--	--	--	1.4	190	--	0.86	--
9/19/97	--	--	4.20	--	19	--	--	--	--	0.57	75	--	ND	--
12/12/97	--	--	2.97	--	23	--	--	--	--	1.9	390	--	0.85	--
3/3/98	--	--	2.63	--	36	--	--	--	--	0.013	358	--	ND	--
6/15/98	--	--	2.93	--	33	--	--	--	--	0.16	318	--	ND	--
9/30/98	--	--	3.11	--	31	--	--	--	--	0.040	295	--	ND	--
12/28/98	--	--	3.59	--	29	--	--	--	--	ND	281	--	ND	--
3/22/99	--	--	4.02	--	30	--	--	--	--	0.015	310	--	0.14	--
6/9/99	--	--	3.70	--	26	--	--	--	--	ND	350	--	1.2	--
9/8/99	--	--	3.96	--	32.90	--	--	--	--	ND	417	--	ND	--
12/7/99	--	--	4.21	--	27.90	--	--	--	--	0.0520	437	--	ND	--
3/13/00	--	--	--	--	33	--	--	--	--	0.15	307	--	ND	--
6/21/00	--	--	4.27	--	32	--	--	--	--	0.20	225	--	ND	--
9/27/00	--	--	4.67	--	34	--	--	--	--	ND	211	307	15.7	--
12/12/00	--	--	4.79	--	31	--	--	--	--	ND	246	--	ND	--
3/7/01	--	--	5.16	--	36.5	--	--	--	--	ND	251	--	0.443	--
6/6/01	--	--	4.79	--	8.0	--	--	--	--	ND	214	--	0.18	--
9/24/01	--	--	4.27	--	23.0	--	--	--	--	ND<0.10	198	--	ND	--
12/10/01	--	--	4.66	--	21	--	--	--	--	ND<0.10	188	--	0.11	--
3/11/02	--	--	5.06	--	30	--	--	--	--	ND<0.10	166	--	0.14	--
6/4/02	--	--	5.79	--	18	--	--	--	--	ND<0.10	151	--	ND<0.10	--
9/3/02	--	--	6.04	--	28	--	--	--	--	ND<0.10	143	--	ND<0.10	--
12/3/02	--	--	5.58	--	20	--	--	--	--	ND<0.20	154	--	ND<1.0	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	Phosphate	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(µg/l)
U-3 continued														
3/4/03	--	--	0.20	--	18	--	--	--	--	ND<0.20	-136	--	ND<1.0	--
6/18/03	--	--	--	3.5	17	--	--	--	--	ND<0.20	333	--	ND<1.0	--
9/24/03	--	--	0.60	--	18	--	--	--	--	ND<0.20	-50	--	1.4	ND<500
12/2/03	--	--	--	--	--	--	--	--	--	ND<0.20	--	--	--	ND<500
3/30/04	--	--	--	--	16	--	--	--	--	ND<0.20	--	--	ND<1.0	ND<50
6/7/04	--	--	--	--	17	--	--	--	--	ND<0.20	--	--	ND<0.20	ND<50
9/9/04	--	--	--	--	16	--	--	--	--	ND<0.010	--	--	1.2	ND<50
12/20/04	--	--	--	--	17	--	--	--	--	ND<0.010	--	--	ND<1.0	ND<50
U-4														
6/30/97	--	--	5.40	--	35	--	--	--	--	0.13	200	--	0.52	--
9/19/97	--	--	5.10	--	30	--	--	--	--	0.35	45	--	ND	--
12/12/97	--	--	3.11	--	31	--	--	--	--	0.68	380	--	0.73	--
3/3/98	--	--	2.94	--	3.2	--	--	--	--	0.018	284	--	ND	--
6/15/98	--	--	3.08	--	33	--	--	--	--	0.14	256	--	ND	--
9/30/98	--	--	4.05	--	31	--	--	--	--	0.049	276	--	ND	--
12/28/98	--	--	4.57	--	31	--	--	--	--	0.36	280	--	ND	--
3/22/99	--	--	4.26	--	30	--	--	--	--	ND	320	--	0.14	--
6/9/99	--	--	3.61	--	35	--	--	--	--	ND	340	--	0.91	--
9/8/99	--	--	3.75	--	24	--	--	--	--	ND	391	--	ND	--
12/7/99	--	--	4.03	--	27.7	--	--	--	--	ND	478	--	ND	--
3/13/00	--	--	--	--	33	--	--	--	--	ND	244	--	ND	--
6/21/00	--	--	4.89	--	32	--	--	--	--	0.034	248	--	ND	--
9/27/00	--	--	5.09	--	28	--	--	--	--	ND	198	--	ND	--
12/12/00	--	--	4.86	--	30	--	--	--	--	ND	210	--	ND	--
3/7/01	--	--	4.97	--	33.9	--	--	--	--	ND	233	--	0.226	--
6/6/01	--	--	5.12	--	7.4	--	--	--	--	ND	248	--	0.21	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	Phosphate	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(µg/l)
U-4 continued														
9/24/01	--	--	4.86	--	24	--	--	--	--	ND<0.10	262	--	--	--
12/10/01	--	--	5.05	--	19	--	--	--	--	ND<0.10	242	--	0.10	--
3/11/02	--	--	4.83	--	31	--	--	--	--	ND<0.10	195	--	0.14	--
6/4/02	--	--	5.58	--	27	--	--	--	--	ND<0.10	169	--	ND<0.10	--
9/3/02	--	--	5.94	--	28	--	--	--	--	ND<0.10	126	--	0.27	--
12/3/02	--	--	5.82	--	20	--	--	--	--	ND<0.20	133	--	ND<1.0	--
3/4/03	--	--	0.30	--	26	--	--	--	--	ND<0.20	-148	--	ND<1.0	--
6/18/03	--	--	--	3.6	31	--	--	--	--	ND<0.20	250	--	ND<1.0	--
9/24/03	--	--	0.20	--	17	--	--	--	--	ND<0.20	-24	--	1.5	ND<500
12/2/03	--	--	--	--	--	--	--	--	--	ND<0.20	--	--	--	ND<500
3/30/04	--	--	--	--	25	--	--	--	--	ND<0.20	--	--	ND<1.0	ND<50
6/7/04	--	--	--	--	24	--	--	--	--	ND<0.20	--	--	ND<0.20	ND<50
9/9/04	--	--	--	--	22	--	--	--	--	ND<0.010	--	--	ND<1.0	ND<50
12/20/04	--	--	--	--	20	--	--	--	--	ND<0.010	--	--	ND<1.0	ND<50
U-5														
6/30/97	--	--	3.40	--	ND	--	--	--	--	16	160	--	ND	--
9/19/97	--	--	0.60	--	ND	--	--	--	--	0.22	63	--	ND	--
12/12/97	--	--	1.75	--	ND	--	--	--	--	6.7	400	--	ND	--
3/3/98	--	--	2.36	--	3.1	--	--	--	--	18	345	--	ND	--
6/15/98	--	--	2.55	--	ND	--	--	--	--	17	333	--	ND	--
9/30/98	--	--	1.93	--	ND	--	--	--	--	17	318	--	ND	--
12/28/98	--	--	1.64	--	6.6	--	--	--	--	17	305	--	ND	--
3/22/99	--	--	1.99	--	ND	--	--	--	--	0.12	340	--	2.4	--
6/9/99	--	--	2.10	--	ND	--	--	--	--	0.23	320	--	ND	--
9/8/99	--	--	2.21	--	ND	--	--	--	--	2.10	335	--	ND	--
12/7/99	--	--	2.66	--	ND	--	--	--	--	0.310	408	--	ND	--

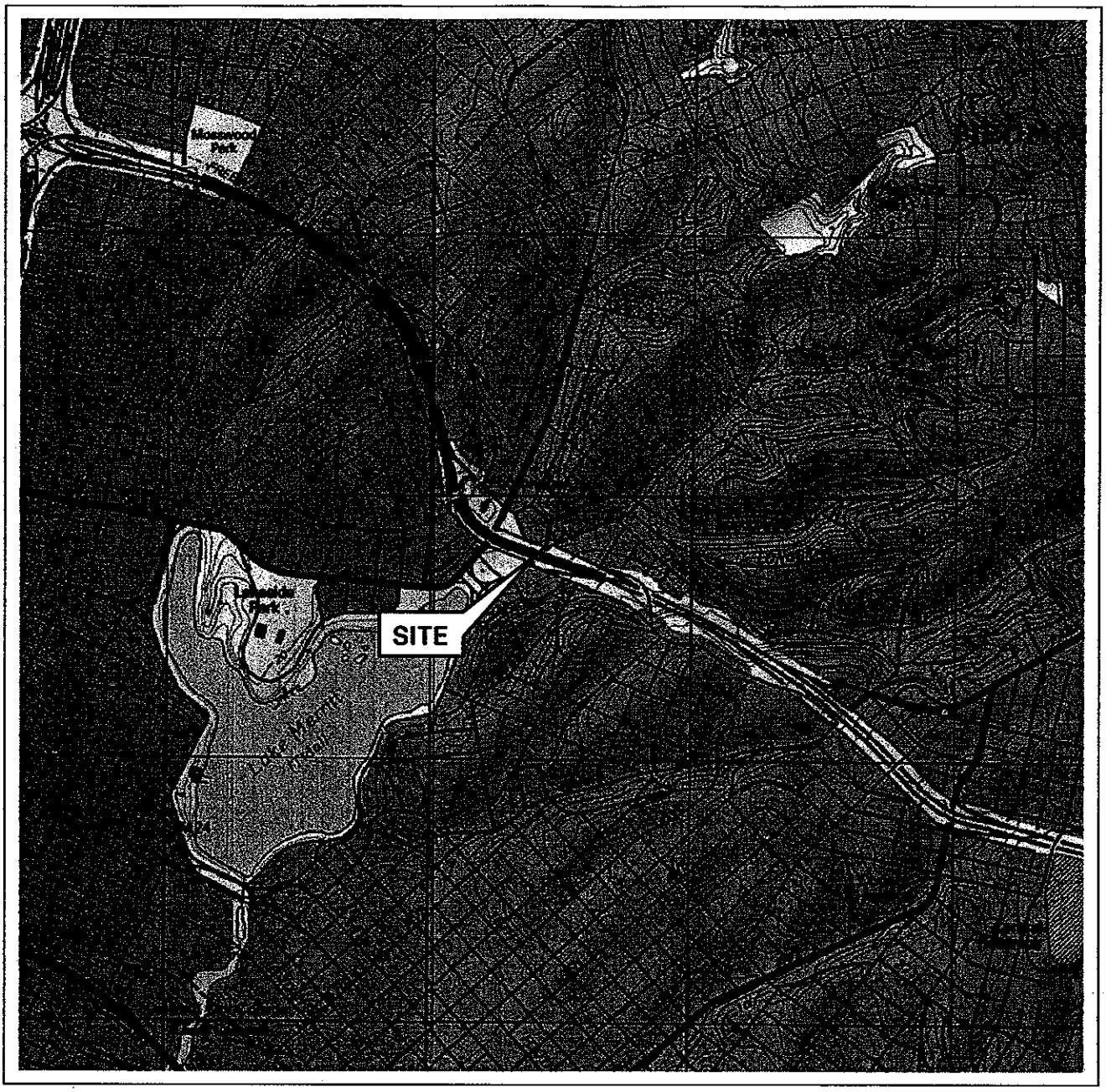
Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	Phosphate	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(µg/l)
U-5 continued														
3/13/00	--	--	--	--	0.16	--	--	--	--	0.33	264	--	ND	--
6/21/00	--	--	3.42	--	ND	--	--	--	--	0.15	159	--	ND	--
9/27/00	--	--	3.85	--	ND	--	--	--	--	0.33	136	--	ND	--
12/12/00	--	--	3.53	--	ND	--	--	--	--	0.086	122	--	ND	--
3/7/01	ND	ND	2.98	--	3.02	ND	ND	ND	ND	1.07	141	--	4.00	ND
6/6/01	--	--	2.67	--	ND	--	--	--	--	ND	112	--	1.2	--
9/24/01	ND<10	ND<10	3.15	--	0.77	ND<10	ND<200	ND<10	ND<10	ND<0.10	146	--	--	ND<4000
12/10/01	--	--	2.85	--	ND<0.50	--	--	--	--	3.7	96	--	2.6	--
3/11/02	ND<2.0	ND<2.0	3.15	--	ND<0.50	ND<2.0	ND<100	ND<2.0	ND<2.0	0.10	108	--	0.52	ND<500
6/4/02	--	--	3.46	--	ND<0.50	--	--	--	--	ND<0.25	118	--	ND<0.10	--
9/3/02	ND<2.0	ND<2.0	2.85	--	ND<0.50	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.25	87	--	ND<0.10	ND<500
12/3/02	ND<2.0	ND<2.0	2.71	--	ND<1.0	ND<2.0	ND<100	ND<2.0	ND<2.0	22	104	--	ND<1.0	ND<500
3/4/03	ND<2.0	ND<2.0	0.20	--	ND<1.0	ND<2.0	ND<100	ND<2.0	ND<2.0	19	-166	--	ND<1.0	ND<500
6/18/03	ND<2.0	ND<2.0	--	2.4	ND<1.0	ND<2.0	ND<100	ND<2.0	ND<2.0	11	-10	--	ND<1.0	ND<500
9/24/03	--	--	0.30	--	18	--	--	--	--	ND<0.20	-28	--	1.8	ND<500
12/2/03	--	--	--	--	--	--	--	--	--	9.4	--	--	--	ND<500
3/30/04	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	52	ND<1.0	ND<0.50	5.9	--	--	ND<1.0	ND<50
6/7/04	ND<0.5	ND<0.5	--	--	ND<0.50	ND<0.5	69	ND<1.0	ND<0.5	3.8	--	--	ND<0.20	ND<50
9/9/04	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	130	ND<1.0	ND<0.50	4.1	--	--	ND<1.0	ND<50
12/20/04	--	--	--	--	ND<1.0	--	--	--	--	5.0	--	--	ND<1.0	ND<50
U-6														
6/30/97	--	--	0.30	--	0.80	--	--	--	--	88	190	--	ND	--
9/19/97	--	--	0.60	--	1.80	--	--	--	--	2.9	ND	--	ND	--
12/12/97	--	--	2.70	--	ND	--	--	--	--	51	380	--	ND	--
3/3/98	--	--	2.18	--	3.5	--	--	--	--	60	327	--	ND	--
6/15/98	--	--	2.48	--	4.8	--	--	--	--	590	315	--	ND	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	Phosphate	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(µg/l)
U-6 continued														
9/30/98	--	--	3.06	--	ND	--	--	--	--	33	345	--	ND	--
12/28/98	--	--	3.42	--	7.2	--	--	--	--	83	297	--	ND	--
3/22/99	--	--	3.88	--	ND	--	--	--	--	2.1	330	--	0.98	--
6/9/99	--	--	3.29	--	0.20	--	--	--	--	0.47	320	--	ND	--
9/8/99	--	--	3.12	--	5.59	--	--	--	--	0.140	305	--	ND	--
12/7/99	--	--	3.44	--	ND	--	--	--	--	0.260	443	--	ND	--
3/13/00	--	--	--	--	0.26	--	--	--	--	0.79	222	--	ND	--
6/21/00	--	--	3.27	--	ND	--	--	--	--	1.9	159	--	ND	--
9/27/00	--	--	3.49	--	ND	--	--	--	--	2.6	170	--	ND	--
12/12/00	--	--	3.06	--	2.7	--	--	--	--	ND	128	--	ND	--
3/7/01	ND	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	ND
6/6/01	ND	ND	2.46	--	0.15	ND	ND	ND	ND	0.47	97	--	0.70	ND
9/24/01	ND<100	ND<100	3.10	--	0.58	ND<100	ND<2000	ND<100	ND<100	ND<0.10	123	--	--	ND<40000
12/10/01	ND<5.0	ND<5.0	2.57	--	0.50	ND<5.0	ND<200	ND<5.0	ND<5.0	0.99	112	--	2.0	ND<400
3/11/02	ND<8.0	ND<8.0	3.03	--	ND<0.50	ND<8.0	ND<400	ND<8.0	ND<8.0	1.2	128	--	0.089	ND<2000
6/4/02	--	--	2.84	--	ND<0.50	--	--	--	--	ND<0.10	97	--	ND<1.0	--
9/3/02	ND<40	ND<40	3.12	--	0.58	ND<40	ND<2000	ND<40	ND<40	ND<0.10	110	--	1.1	ND<10000
12/3/02	ND<20	ND<20	2.96	--	ND<1.0	ND<20	ND<1000	ND<20	ND<20	1.2	95	--	2.6	ND<5000
3/4/03	ND<40	ND<40	0.30	--	ND<1.0	ND<40	ND<2000	ND<40	ND<40	20	-112	--	ND<1.0	ND<10000
6/18/03	ND<40	ND<40	--	3.2	ND<1.0	ND<40	ND<2000	ND<40	ND<40	3.2	-15	--	2.0	ND<10000
9/24/03	ND<400	ND<400	0.30	--	ND<1.0	ND<400	ND<20000	ND<400	ND<400	1.4	-12	--	4.6	ND<100000
12/2/03	--	--	--	--	--	--	--	--	--	1.4	--	--	--	ND<10000
3/30/04	ND<10	ND<10	--	--	ND<1.0	ND<10	770	ND<20	ND<10	2.6	--	--	ND<1.0	ND<1000
6/7/04	ND<10	ND<10	--	--	0.8	ND<10	110	ND<20	ND<10	2.1	--	--	ND<0.20	ND<1000
9/9/04	ND<10	ND<10	--	--	ND<1.0	ND<10	1900	ND<20	ND<10	0.87	--	--	3.8	ND<1000
12/20/04	ND<2.5	ND<2.5	--	--	ND<1.0	ND<2.5	5000	ND<5.0	ND<2.5	2.5	--	--	ND<1.0	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 West Quadrangle

VICINITY MAP

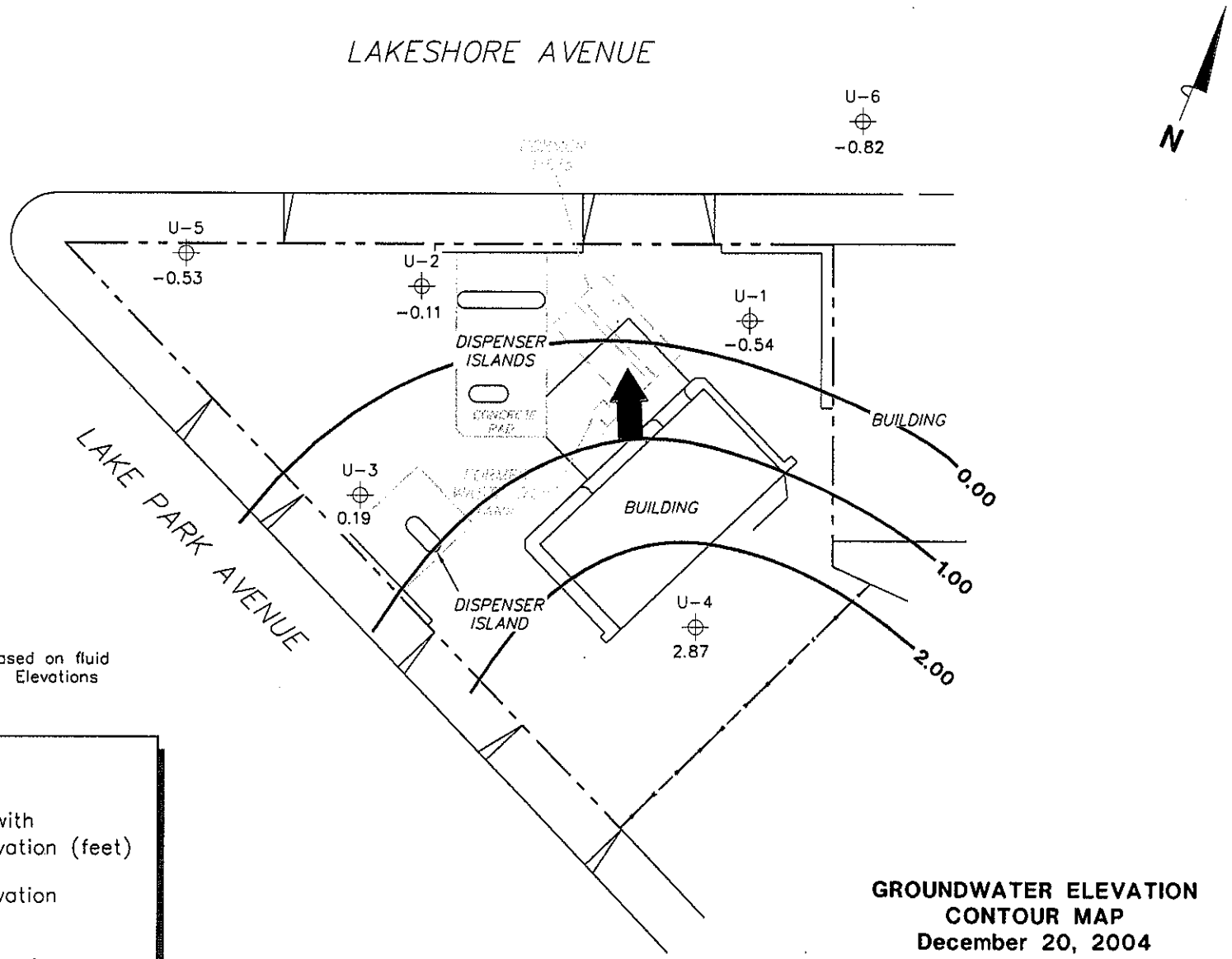
76 Station 5325
3220 Lakeshore Avenue
Oakland, California

TRC

FIGURE 1

PS = 1:1

Graphics on Ir1(i:)\VICINITY MAPS\1234vm.dwg 11/21/03 blw



NOTES:

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

LEGEND

U-6 ⊕ Monitoring Well with Groundwater Elevation (feet)

2.00 —— Groundwater Elevation Contour

General Direction of Groundwater Flow

SCALE (FEET)

0 40

GROUNDWATER ELEVATION CONTOUR MAP
December 20, 2004

76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 2

TRC

PS=1:1 5325-003

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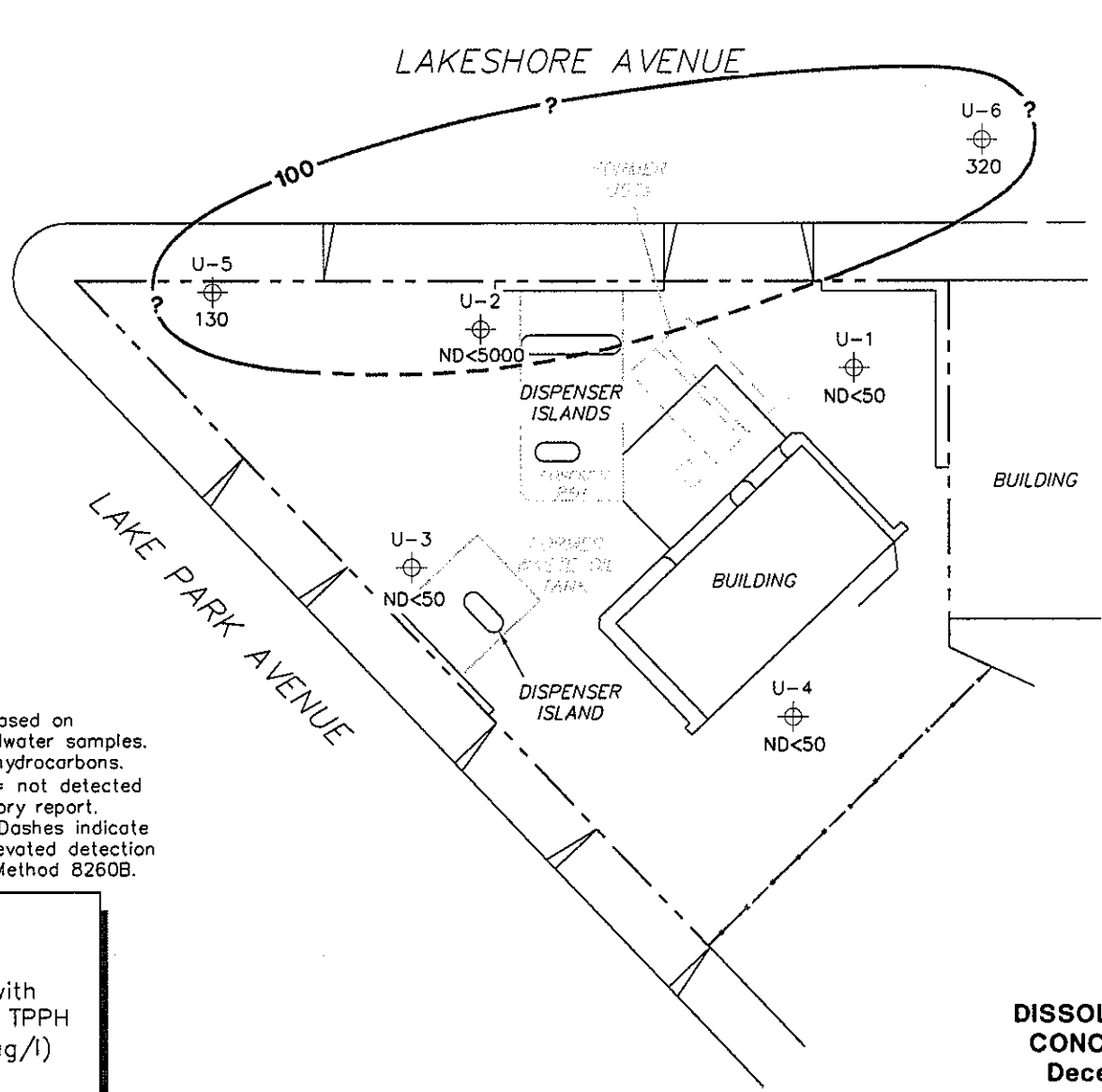


NOTES:

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. Dashes indicate contour based on non-detect at elevated detection limit. Results obtained using EPA Method 8260B.

LEGEND

U-6 ⊕ Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)

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

SCALE (FEET)

0 40

DISSOLVED-PHASE TPPH CONCENTRATION MAP
December 20, 2004

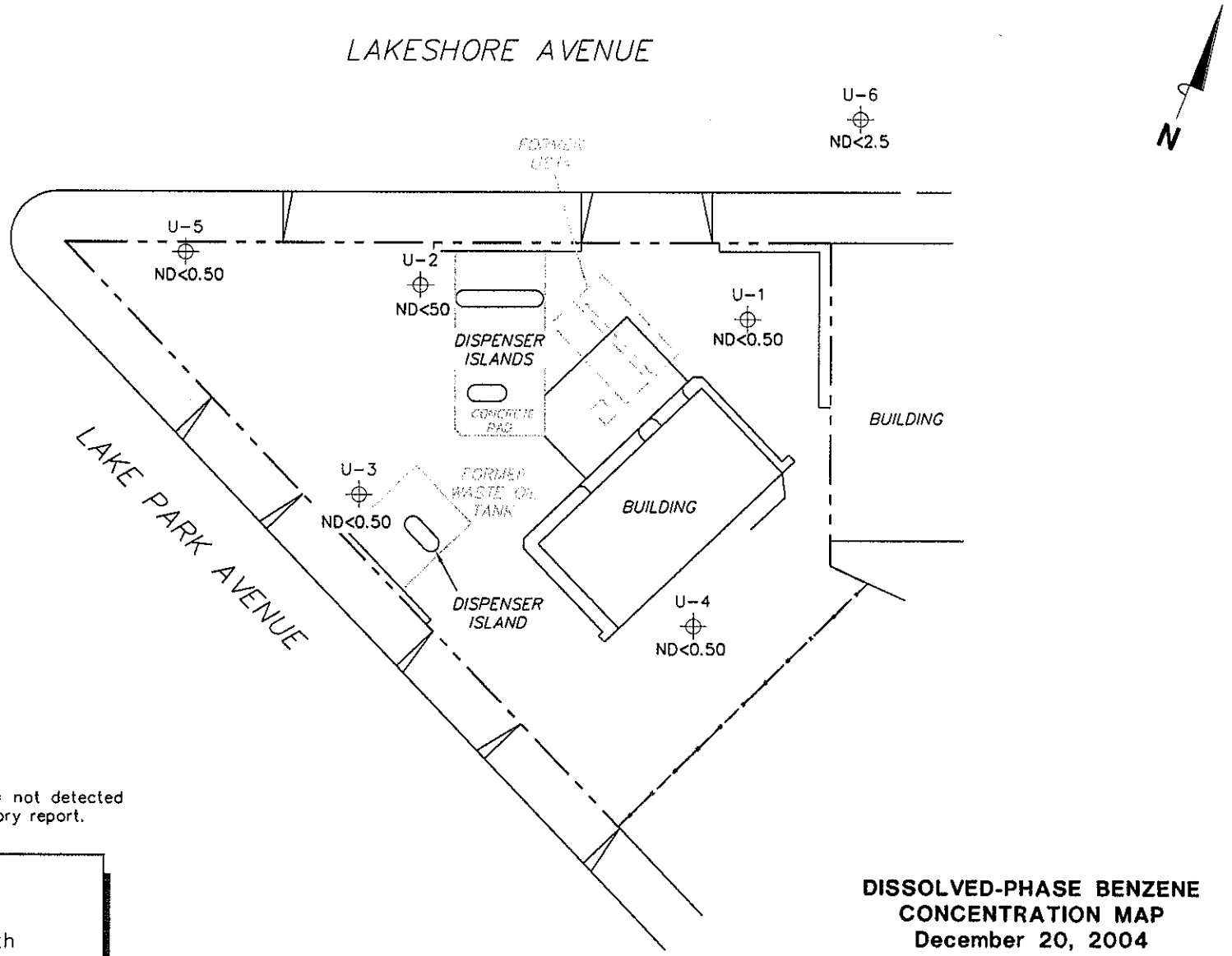
76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 3

TRC

PS=1:1 5325-003

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\5325+\5325qms.dwg 01/19/05 pjg



NOTES:

µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank.

LEGEND

U-6 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

SCALE (FEET)

0 40

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
December 20, 2004

76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 4

TRC

PS=1:1 5325-003

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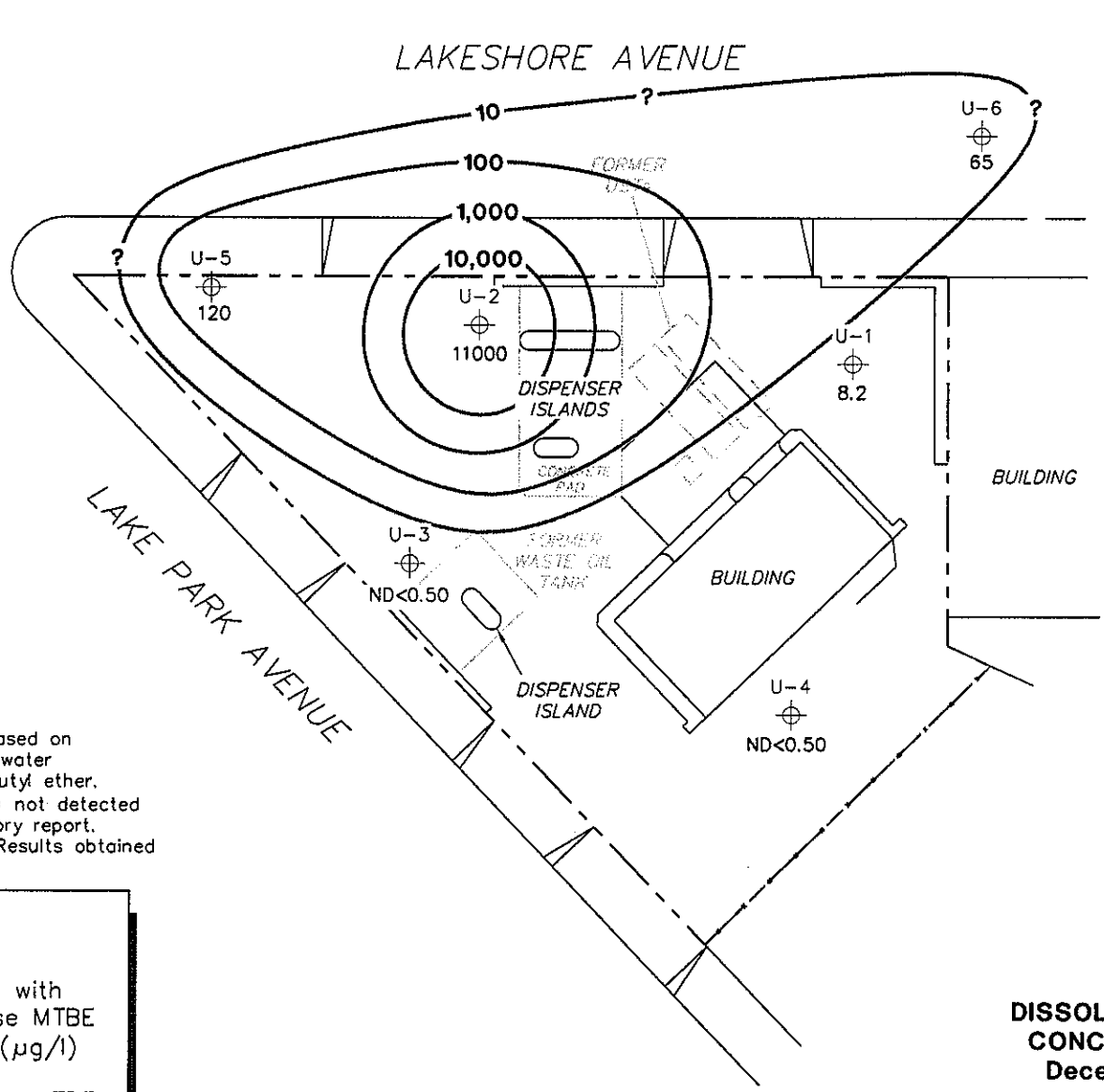


NOTES:

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.

LEGEND

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

—10,000— Dissolved-Phase MTBE Contour (µg/l)

TRC

PS=1:1 5325-003

SCALE (FEET)

0 40

DISSOLVED-PHASE MTBE CONCENTRATION MAP
December 20, 2004

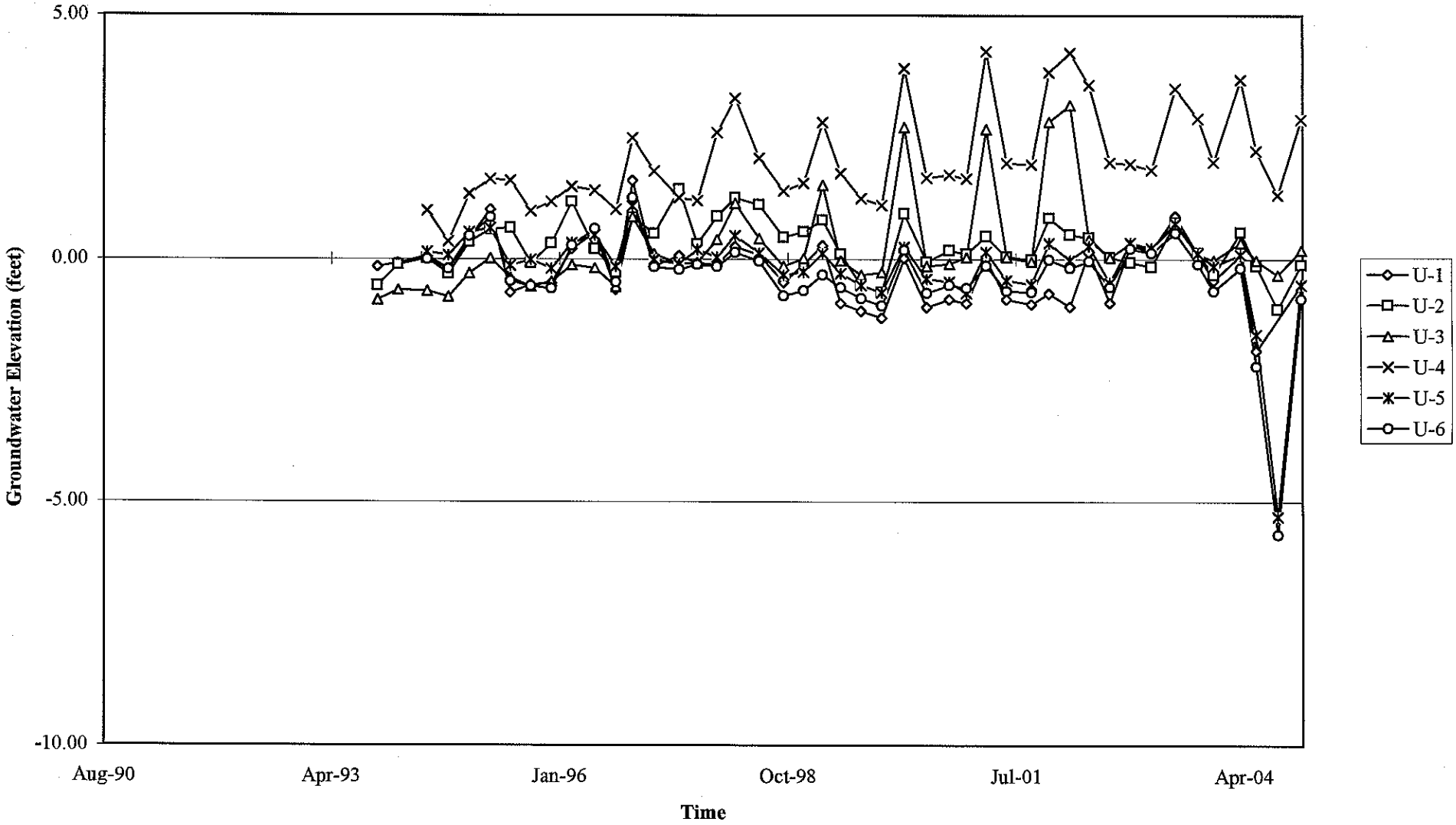
76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 5

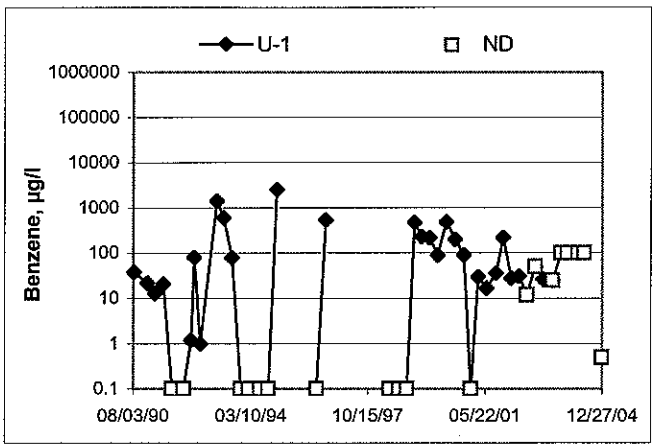
Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\5325+\5325qms.dwg 01/19/05 pjg

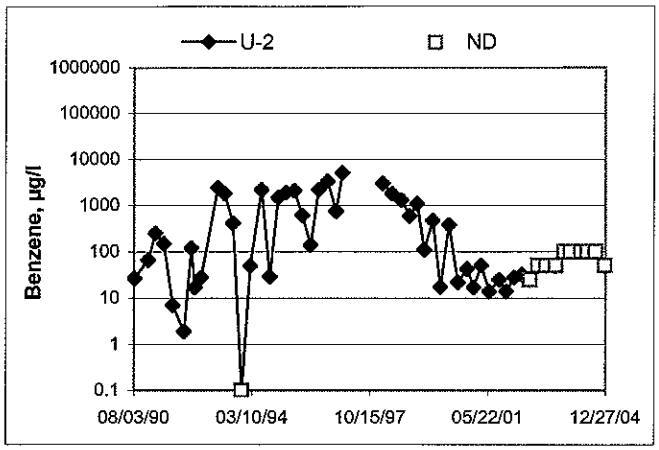
GRAPHS

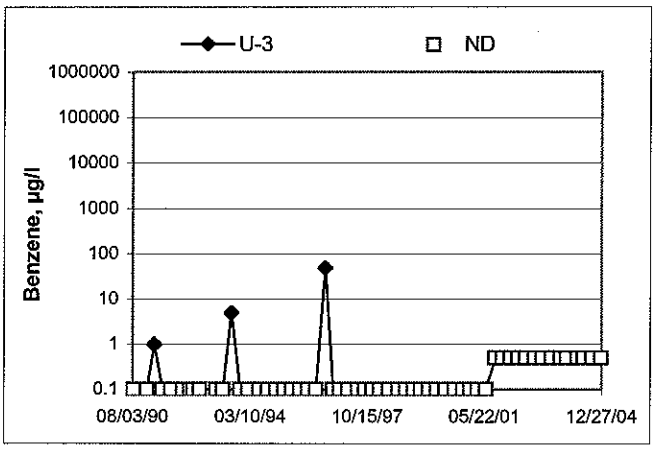
Groundwater Elevations vs. Time
76 Station 5325

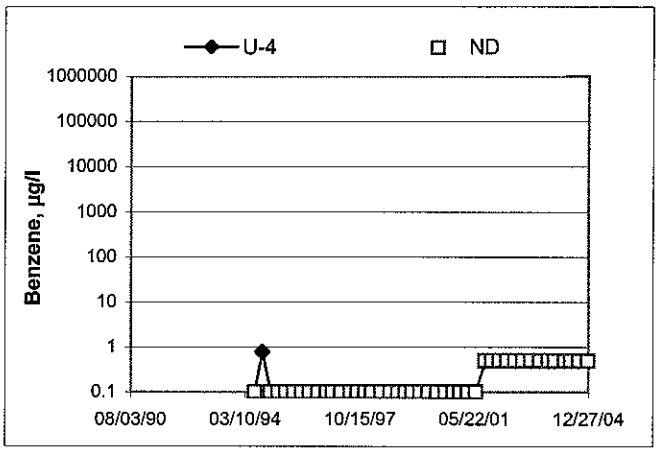


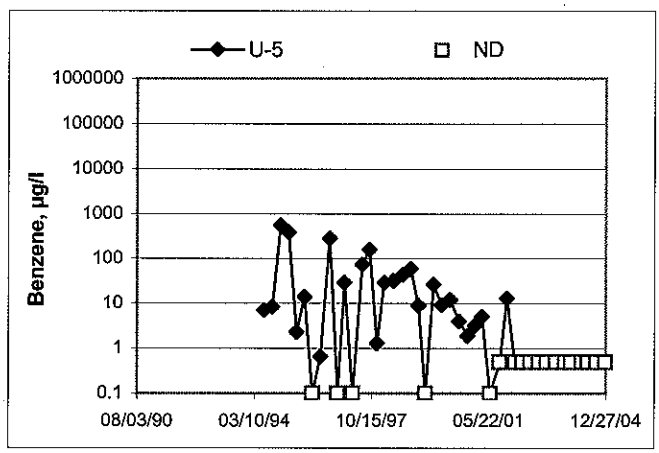
Benzene Concentrations vs Time
76 Station 5325

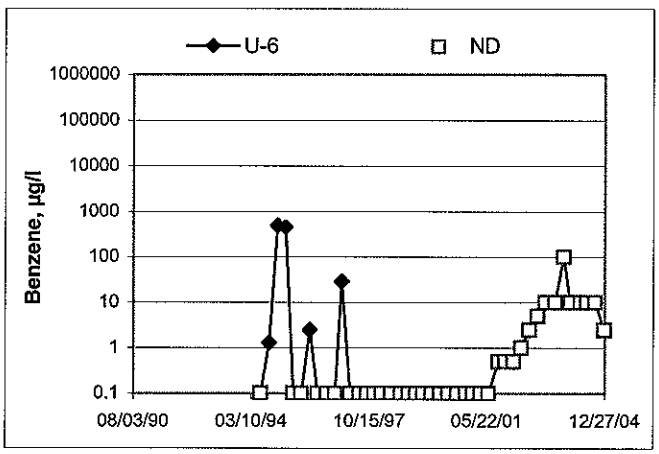












GENERAL FIELD PROCEDURES

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-inchto 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: Travis V. Job #/Task #: 41050001/FA20 Date: 12-20

Site # 5325 Project Manager Rodger Batra Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
u-4	X	6:12	19.87	8.28	Ø	Ø	10:47	4"
u-3	X	6:21	19.36	10.79	Ø	Ø	11:04	3
u-5	X	6:31	19.88	7.51	Ø	Ø	11:13	4"
u-6	X	6:44	22.79	7.96	Ø	Ø	0917	2"
u-2	X	6:51	19.57	7.73	Ø	Ø	11:50	3"
u-1	X	6:59	13.24	9.00	Ø	Ø	10:27	3"

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

WTT CERTIFICATE MANIFEST DRUM INVENTORY ✓ TRAFFIC CONTROL ✓

TRC

GROUNDWATER SAMPLING FIELD NOTES

Site: 5325 Technician: Travis V

Project No.: 41050001/FA20 Date: 12-20-04

Well No.: U-5 Purge Method: Dia

Depth to Water (feet): 7.51 Depth to Product (feet): 0

Total Depth (feet): 19.88 LPH & Water Recovered (gallons): 0

Water Column (feet): 12.37 Casing Diameter (Inches): 4"

80% Recharge Depth (feet): 9.98 1 Well Volume (gallons): 8

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	~~Turbidity~~ ORP	D.O.
0826			8	1920	19.7	7.40	-65mv	2.01 mg/L
			16	3.27ms	20.3	7.38	-81mv	1.07mg/L
	0841		24	3.31ms	20.7	7.96	-72mv	.71mg/L

Static at Time Sampled	Total Gallons Purged	Time Sampled
8.95	24	11:13

Comments:

Well No.: U-6 Purge Method: Dia

Depth to Water (feet): 7.96 Depth to Product (feet): 0

Total Depth (feet): 22.79 LPH & Water Recovered (gallons): 0

Water Column (feet): 14.83 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 10.92 1 Well Volume (gallons): 2.5

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	~~Turbidity~~ ORP	D.O.
0856			2.5	1592	17.0	7.95	OR	0.00mg/L
			5	1541	17.8	7.84	OR	0.00mg/L
	0909		7.5	1559	18.6	8.07	OR	0.00mg/L

Static at Time Sampled	Total Gallons Purged	Time Sampled
9.78	7.5	9:17

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Travis -V.

Site: 5325 Project No.: 41050001/FA20 Date: 12-20-04

Well No.: W-4 Purge Method: Dia

Depth to Water (feet): 8.28 Depth to Product (feet): Ø

Total Depth (feet): 19.87 LPH & Water Recovered (gallons): Ø

Water Column (feet): 11.59 Casing Diameter (Inches): 4"

80% Recharge Depth (feet): 10.59 1 Well Volume (gallons): 8

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	~~Turbidity~~ ORP	D.O.
0739			8	667	20.4	7.78	84mV	5.11 mg/L
			16	654	21.1	7.88	109mV	3.82 mg/L
	0800		24	689	20.3	8.62	77mV	6.19 mg/L

Static at Time Sampled	Total Gallons Purged	Time Sampled
15.13	24	10:47

Comments:

Well No.: W-3 Purge Method: Dia

Depth to Water (feet): 10.79 Depth to Product (feet): Ø

Total Depth (feet): 19.36 LPH & Water Recovered (gallons): Ø

Water Column (feet): 8.57 Casing Diameter (Inches): 3"

80% Recharge Depth (feet): 12.50 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.
0807			3	655	19.9	8.41	45mV	3.28 mg/L
			6	664	16.9	8.15	37mV	4.14 mg/L
	0821		9	656	18.7	8.40	32mV	6.70 mg/L

Static at Time Sampled	Total Gallons Purged	Time Sampled
10.71	9	11:04

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Travis V.

Site: 5325 Project No.: 41050001 / FA20 Date: 12-20-04

Well No.: U-2 Purge Method: Dia

Depth to Water (feet): 7.73 Depth to Product (feet): 0

Total Depth (feet): 19.57 LPH & Water Recovered (gallons): 0

Water Column (feet): 11.84 Casing Diameter (Inches): 3 11

80% Recharge Depth (feet): 10.09 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	~~Turbidity~~ orp	D.O.
0932			4	2,62ms	20.0	7.80	-84mv	.41 mg/L
			8	3.11ms	20.4	8.03	-79mv	3.84mg/L
	0950		12	3.00ms	18.2	8.95	-72mv	6.54mg/L

Static at Time Sampled	Total Gallons Purged	Time Sampled
16.02 ~~7.89~~ TV	12	11:50

Comments: ~~WENT~~ Dry @ 10 Gallons TV

Well No.: U-1 Purge Method: Dia

Depth to Water (feet): 9.00 Depth to Product (feet): 0

Total Depth (feet): 13.24 LPH & Water Recovered (gallons): 0

Water Column (feet): 4.24 Casing Diameter (Inches): 3 11

80% Recharge Depth (feet): 9.84 1 Well Volume (gallons): 1.5

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	~~Turbidity~~ orp	D.O.
10:08			1.5	1434	13.9	9.01	0	5.55 mg/L
			3.0	253	16.2	8.56	11mv	2.25mg/L
	10:18		4.5	222	16.5	7.89	32mv	1.35mg/L

Static at Time Sampled	Total Gallons Purged	Time Sampled
7.79	4.5	10:27

Comments:

SEVERN TRENT STL

Submission#: 2004-12-0740

TRC Alton Geoscience- Irvine

January 07, 2005

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20
Project: Conoco Phillips #5325
Site: 3220 Lakeshore Ave., Oakland

Attached is our report for your samples received on 12/21/2004 18:30
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 02/04/2005 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: 2004-12-0740

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-6	12/20/2004 09:17	Water	1
U-5	12/20/2004 11:13	Water	2
U-4	12/20/2004 10:47	Water	3
U-3	12/20/2004 11:04	Water	4
U-2	12/20/2004 11:50	Water	5
U-1	12/20/2004 10:27	Water	6

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**U-6**	Lab ID:	2004-12-0740 - 1
Sampled:	12/20/2004 09:17	Extracted:	12/20/2004 20:48
Matrix:	Water	QC Batch#:	2004/12/20-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	12/20/2004 20:48	
Orthophosphate	ND	1.0	mg/L	1.00	12/20/2004 20:48	

Misc Anions by Ion Chromatograph

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Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**U-5**	Lab ID:	2004-12-0740 - 2
Sampled:	12/20/2004 11:13	Extracted:	12/20/2004 20:31
Matrix:	Water	QC Batch#:	2004/12/20-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	12/20/2004 20:31	
Orthophosphate	ND	1.0	mg/L	1.00	12/20/2004 20:31	

Misc Anions by Ion Chromatograph

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**U-4**	Lab ID:	2004-12-0740 - 3
Sampled:	12/20/2004 10:47	Extracted:	12/20/2004 20:13
Matrix:	Water	QC Batch#:	2004/12/20-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	20	1.0	mg/L	1.00	12/20/2004 20:13	
Orthophosphate	ND	1.0	mg/L	1.00	12/20/2004 20:13	

Misc Anions by Ion Chromatograph

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**U-3**	Lab ID:	2004-12-0740 - 4
Sampled:	12/20/2004 11:04	Extracted:	12/20/2004 19:56
Matrix:	Water	QC Batch#:	2004/12/20-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	17	1.0	mg/L	1.00	12/20/2004 19:56	
Orthophosphate	ND	1.0	mg/L	1.00	12/20/2004 19:56	

Misc Anions by Ion Chromatograph

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**U-2**	Lab ID:	2004-12-0740 - 5
Sampled:	12/20/2004 11:50	Extracted:	12/20/2004 19:38
Matrix:	Water	QC Batch#:	2004/12/20-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	12/20/2004 19:38	
Orthophosphate	ND	1.0	mg/L	1.00	12/20/2004 19:38	

Misc Anions by Ion Chromatograph

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**U-1**	Lab ID:	2004-12-0740 - 6
Sampled:	12/20/2004 10:27	Extracted:	12/20/2004 19:21
Matrix:	Water	QC Batch#:	2004/12/20-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	12/20/2004 19:21	
Orthophosphate	ND	1.0	mg/L	1.00	12/20/2004 19:21	

Misc Anions by Ion Chromatograph

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Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 300.0/9056 Test(s): 300.0/9056

Method Blank **Water** **QC Batch # 2004/12/20-01.41**

MB: 2004/12/20-01.41-001 Date Extracted: 12/20/2004 16:24

Compound	Conc.	RL	Unit	Analyzed	Flag
Nitrate	ND	1.0	mg/L	12/20/2004 16:24	
Orthophosphate	ND	1.0	mg/L	12/20/2004 16:24	

Misc Anions by Ion Chromatograph

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 300.0/9056 Test(s): 300.0/9056

Laboratory Control Spike **Water** **QC Batch # 2004/12/20-01.41**

LCS 2004/12/20-01.41-002 Extracted: 12/20/2004 Analyzed: 12/20/2004 16:42
LCSD 2004/12/20-01.41-003 Extracted: 12/20/2004 Analyzed: 12/20/2004 16:59

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Nitrate	19.8	19.9	20.0	99.0	99.5	0.5	80-120	20		
Orthophosphate	17.5	17.6	20.0	87.5	88.0	0.6	80-120	20		

SEVERN TRENT STL

Submission: 2004-12-0740

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: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-6	12/20/2004 09:17	Water	1
U-5	12/20/2004 11:13	Water	2
U-4	12/20/2004 10:47	Water	3
U-3	12/20/2004 11:04	Water	4
U-2	12/20/2004 11:50	Water	5
U-1	12/20/2004 10:27	Water	6

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: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**U-6**	Lab ID:	2004-12-0740 - 1
Sampled:	12/20/2004 09:17	Extracted:	12/29/2004 21:04
Matrix:	Water	QC Batch#:	2004/12/29-2B.64

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	320	250	ug/L	5.00	12/29/2004 21:04	
Benzene	ND	2.5	ug/L	5.00	12/29/2004 21:04	
Toluene	ND	2.5	ug/L	5.00	12/29/2004 21:04	
Ethylbenzene	ND	2.5	ug/L	5.00	12/29/2004 21:04	
Total xylenes	ND	5.0	ug/L	5.00	12/29/2004 21:04	
tert-Butyl alcohol (TBA)	5000	25	ug/L	5.00	12/29/2004 21:04	
Methyl tert-butyl ether (MTBE)	65	2.5	ug/L	5.00	12/29/2004 21:04	
Di-isopropyl Ether (DIPE)	ND	5.0	ug/L	5.00	12/29/2004 21:04	
Ethyl tert-butyl ether (ETBE)	ND	2.5	ug/L	5.00	12/29/2004 21:04	
tert-Amyl methyl ether (TAME)	ND	2.5	ug/L	5.00	12/29/2004 21:04	
1,2-DCA	ND	2.5	ug/L	5.00	12/29/2004 21:04	
EDB	ND	2.5	ug/L	5.00	12/29/2004 21:04	
Ethanol	ND	250	ug/L	5.00	12/29/2004 21:04	
Surrogate(s)						
1,2-Dichloroethane-d4	118.9	73-130	%	5.00	12/29/2004 21:04	
Toluene-d8	98.3	81-114	%	5.00	12/29/2004 21:04	

Gas/BTEX Fuel Oxygenates by 8260B

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Attn.: Anju Farfan

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**U-5**	Lab ID:	2004-12-0740 - 2
Sampled:	12/20/2004 11:13	Extracted:	12/28/2004 23:13
Matrix:	Water	QC Batch#:	2004/12/28-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	130	50	ug/L	1.00	12/28/2004 23:13	
Benzene	ND	0.50	ug/L	1.00	12/28/2004 23:13	
Toluene	ND	0.50	ug/L	1.00	12/28/2004 23:13	
Ethylbenzene	1.9	0.50	ug/L	1.00	12/28/2004 23:13	
Total xylenes	2.0	1.0	ug/L	1.00	12/28/2004 23:13	
Methyl tert-butyl ether (MTBE)	120	0.50	ug/L	1.00	12/28/2004 23:13	
Ethanol	ND	50	ug/L	1.00	12/28/2004 23:13	
Surrogate(s)						
1,2-Dichloroethane-d4	116.0	73-130	%	1.00	12/28/2004 23:13	
Toluene-d8	93.4	81-114	%	1.00	12/28/2004 23:13	

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: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**U-4**	Lab ID:	2004-12-0740 - 3
Sampled:	12/20/2004 10:47	Extracted:	12/28/2004 23:35
Matrix:	Water	QC Batch#:	2004/12/28-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	12/28/2004 23:35	
Benzene	ND	0.50	ug/L	1.00	12/28/2004 23:35	
Toluene	ND	0.50	ug/L	1.00	12/28/2004 23:35	
Ethylbenzene	ND	0.50	ug/L	1.00	12/28/2004 23:35	
Total xylenes	ND	1.0	ug/L	1.00	12/28/2004 23:35	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	12/28/2004 23:35	
Ethanol	ND	50	ug/L	1.00	12/28/2004 23:35	
Surrogate(s)						
1,2-Dichloroethane-d4	115.4	73-130	%	1.00	12/28/2004 23:35	
Toluene-d8	102.7	81-114	%	1.00	12/28/2004 23:35	

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: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**U-3**	Lab ID:	2004-12-0740 - 4
Sampled:	12/20/2004 11:04	Extracted:	12/28/2004 23:57
Matrix:	Water	QC Batch#:	2004/12/28-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	12/28/2004 23:57	
Benzene	ND	0.50	ug/L	1.00	12/28/2004 23:57	
Toluene	ND	0.50	ug/L	1.00	12/28/2004 23:57	
Ethylbenzene	ND	0.50	ug/L	1.00	12/28/2004 23:57	
Total xylenes	ND	1.0	ug/L	1.00	12/28/2004 23:57	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	12/28/2004 23:57	
Ethanol	ND	50	ug/L	1.00	12/28/2004 23:57	
Surrogate(s)						
1,2-Dichloroethane-d4	114.1	73-130	%	1.00	12/28/2004 23:57	
Toluene-d8	99.0	81-114	%	1.00	12/28/2004 23:57	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**U-2**	Lab ID:	2004-12-0740 - 5
Sampled:	12/20/2004 11:50	Extracted:	12/29/2004 21:26
Matrix:	Water	QC Batch#:	2004/12/29-2B.64

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	5000	ug/L	100.00	12/29/2004 21:26	
Benzene	ND	50	ug/L	100.00	12/29/2004 21:26	
Toluene	ND	50	ug/L	100.00	12/29/2004 21:26	
Ethylbenzene	ND	50	ug/L	100.00	12/29/2004 21:26	
Total xylenes	ND	100	ug/L	100.00	12/29/2004 21:26	
tert-Butyl alcohol (TBA)	3500	500	ug/L	100.00	12/29/2004 21:26	
Methyl tert-butyl ether (MTBE)	11000	50	ug/L	100.00	12/29/2004 21:26	
Di-isopropyl Ether (DIPE)	ND	100	ug/L	100.00	12/29/2004 21:26	
Ethyl tert-butyl ether (ETBE)	ND	50	ug/L	100.00	12/29/2004 21:26	
tert-Amyl methyl ether (TAME)	ND	50	ug/L	100.00	12/29/2004 21:26	
1,2-DCA	ND	50	ug/L	100.00	12/29/2004 21:26	
EDB	ND	50	ug/L	100.00	12/29/2004 21:26	
Ethanol	ND	5000	ug/L	100.00	12/29/2004 21:26	
Surrogate(s)						
1,2-Dichloroethane-d4	111.4	73-130	%	100.00	12/29/2004 21:26	
Toluene-d8	100.0	81-114	%	100.00	12/29/2004 21:26	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**U-1**	Lab ID:	2004-12-0740 - 6
Sampled:	12/20/2004 10:27	Extracted:	12/29/2004 21:48
Matrix:	Water	QC Batch#:	2004/12/29-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	12/29/2004 21:48	
Benzene	ND	0.50	ug/L	1.00	12/29/2004 21:48	
Toluene	ND	0.50	ug/L	1.00	12/29/2004 21:48	
Ethylbenzene	ND	0.50	ug/L	1.00	12/29/2004 21:48	
Total xylenes	ND	1.0	ug/L	1.00	12/29/2004 21:48	
tert-Butyl alcohol (TBA)	11	5.0	ug/L	1.00	12/29/2004 21:48	
Methyl tert-butyl ether (MTBE)	8.2	0.50	ug/L	1.00	12/29/2004 21:48	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/29/2004 21:48	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/29/2004 21:48	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/29/2004 21:48	
1,2-DCA	ND	0.50	ug/L	1.00	12/29/2004 21:48	
EDB	ND	0.50	ug/L	1.00	12/29/2004 21:48	
Ethanol	ND	50	ug/L	1.00	12/29/2004 21:48	
Surrogate(s)						
1,2-Dichloroethane-d4	111.6	73-130	%	1.00	12/29/2004 21:48	
Toluene-d8	98.7	81-114	%	1.00	12/29/2004 21:48	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/12/28-2A.64**

MB: 2004/12/28-2A.64-002 — Date Extracted: 12/28/2004 18:02

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	12/28/2004 18:02	
Benzene	ND	0.5	ug/L	12/28/2004 18:02	
Toluene	ND	0.5	ug/L	12/28/2004 18:02	
Ethylbenzene	ND	0.5	ug/L	12/28/2004 18:02	
Total xylenes	ND	1.0	ug/L	12/28/2004 18:02	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/28/2004 18:02	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/28/2004 18:02	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	12/28/2004 18:02	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	12/28/2004 18:02	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	12/28/2004 18:02	
1,2-DCA	ND	0.5	ug/L	12/28/2004 18:02	
EDB	ND	0.5	ug/L	12/28/2004 18:02	
Ethanol	ND	50	ug/L	12/28/2004 18:02	
Surrogates(s)					
1,2-Dichloroethane-d4	105.2	73-130	%	12/28/2004 18:02	
Toluene-d8	102.4	81-114	%	12/28/2004 18:02	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/12/29-2B.64**

MB: 2004/12/29-2B.64-008 — Date Extracted: 12/29/2004 19:08

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	12/29/2004 19:08	
Benzene	ND	0.5	ug/L	12/29/2004 19:08	
Toluene	ND	0.5	ug/L	12/29/2004 19:08	
Ethylbenzene	ND	0.5	ug/L	12/29/2004 19:08	
Total xylenes	ND	1.0	ug/L	12/29/2004 19:08	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/29/2004 19:08	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/29/2004 19:08	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	12/29/2004 19:08	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	12/29/2004 19:08	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	12/29/2004 19:08	
1,2-DCA	ND	0.5	ug/L	12/29/2004 19:08	
EDB	ND	0.5	ug/L	12/29/2004 19:08	
Ethanol	ND	50	ug/L	12/29/2004 19:08	
Surrogates(s)					
1,2-Dichloroethane-d4	103.2	73-130	%	12/29/2004 19:08	
Toluene-d8	100.6	81-114	%	12/29/2004 19:08	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/12/28-2A.64**

LCS 2004/12/28-2A.64-040 Extracted: 12/28/2004 Analyzed: 12/28/2004 17:40

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.6		25	98.4			65-165	20		
Benzene	24.1		25	96.4			69-129	20		
Toluene	24.6		25	98.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	501		500	100.2			73-130			
Toluene-d8	497		500	99.4			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike | **Water** | **QC Batch # 2004/12/29-2B.64**

LCS 2004/12/29-2B.64-009 | Extracted: 12/29/2004 | Analyzed: 12/29/2004 18:09
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.8		25	103.2			65-165	20		
Benzene	26.1		25	104.4			69-129	20		
Toluene	27.1		25	108.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	503		500	100.6			73-130			
Toluene-d8	506		500	101.2			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/12/28-2A.64**

MS/MSD

Lab ID: 2004-12-0695 - 001

MS: 2004/12/28-2A.64-014 Extracted: 12/28/2004 Analyzed: 12/28/2004 19:14

Dilution: 1.00

MSD: 2004/12/28-2A.64-035 Extracted: 12/28/2004 Analyzed: 12/28/2004 19:35

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	31.6	25.8	ND	25	126.4	103.2	20.2	65-165	20		R3
Benzene	28.6	25.7	ND	25	114.4	102.8	10.7	69-129	20		
Toluene	30.3	26.3	ND	25	121.2	105.2	14.1	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	518	512		500	103.6	102.4		73-130			
Toluene-d8	510	486		500	101.9	97.2		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/12/29-2B.64**

MS/MSD

Lab ID: 2004-12-0840 - 002

MS: 2004/12/29-2B.64-059 Extracted: 12/29/2004

Analyzed: 12/29/2004 19:59

Dilution: 1.00

MSD: 2004/12/29-2B.64-021 Extracted: 12/29/2004

Analyzed: 12/29/2004 20:21

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	62.9	51.4	23.8	25	156.4	110.4	34.5	65-165	20		R4
Benzene	30.0	25.1	ND	25	120.0	100.4	17.8	69-129	20		
Toluene	30.4	26.2	ND	25	121.6	104.8	14.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	531	536		500	106.2	107.2		73-130			
Toluene-d8	493	508		500	98.6	101.6		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Legend and Notes

Analysis Flag

L2

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

Result Flag

R3

RPD exceeds limits due to matrix interf.;% recovs. within limits.

R4

RPD exceeded method control limit; % recoveries within limits.

SEVERN TRENT STL

Submission: 2004-12-0740

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-6	12/20/2004 09:17	Water	1
U-5	12/20/2004 11:13	Water	2
U-4	12/20/2004 10:47	Water	3
U-3	12/20/2004 11:04	Water	4
U-2	12/20/2004 11:50	Water	5
U-1	12/20/2004 10:27	Water	6

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**U-6**	Lab ID:	2004-12-0740 - 1
Sampled:	12/20/2004 09:17	Extracted:	12/20/2004 19:30
Matrix:	Water	QC Batch#:	2004/12/20-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	2.5	0.010	mg/L	1.00	12/20/2004 19:40	

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**U-5**	Lab ID:	2004-12-0740 - 2
Sampled:	12/20/2004 11:13	Extracted:	12/20/2004 19:30
Matrix:	Water	QC Batch#:	2004/12/20-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	5.0	0.010	mg/L	1.00	12/20/2004 19:40	

Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**U-4**	Lab ID:	2004-12-0740 - 3
Sampled:	12/20/2004 10:47	Extracted:	12/20/2004 19:30
Matrix:	Water	QC Batch#:	2004/12/20-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	ND	0.010	mg/L	1.00	12/20/2004 19:40	

Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**U-3**	Lab ID:	2004-12-0740 - 4
Sampled:	12/20/2004 11:04	Extracted:	12/20/2004 19:30
Matrix:	Water	QC Batch#:	2004/12/20-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	ND	0.010	mg/L	1.00	12/20/2004 19:40	

Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**U-2**	Lab ID:	2004-12-0740 - 5
Sampled:	12/20/2004 11:50	Extracted:	12/20/2004 19:30
Matrix:	Water	QC Batch#:	2004/12/20-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.87	0.010	mg/L	1.00	12/20/2004 19:40	

Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**U-1**	Lab ID:	2004-12-0740 - 6
Sampled:	12/20/2004 10:27	Extracted:	12/20/2004 19:30
Matrix:	Water	QC Batch#:	2004/12/20-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.015	0.010	mg/L	1.00	12/20/2004 19:40	

Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 3500 Fe B — Test(s): SM 3500-Fe B

Method Blank — **Water** — **QC Batch # 2004/12/20-01.72**

MB: 2004/12/20-01.72-001 — Date Extracted: 12/20/2004 19:30

Compound	Conc.	RL	Unit	Analyzed	Flag
Ferrous Iron	ND	0.01	mg/L	12/20/2004 19:40	

Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 3500 Fe B

Test(s): SM 3500-Fe B

Laboratory Control Spike **Water** **QC Batch # 2004/12/20-01.72**

LCS 2004/12/20-01.72-002 Extracted: 12/20/2004 Analyzed: 12/20/2004 19:40

LCSD 2004/12/20-01.72-003 Extracted: 12/20/2004 Analyzed: 12/20/2004 19:40

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Ferrous Iron	1.01	1.01	1	101.0	101.0	0.0	80-120	20		

Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 12/21/2004 18:30

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 3500 Fe B

Test(s): SM 3500-Fe B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/12/20-01.72**

U-6 >> MS

Lab ID: 2004-12-0740 - 001

MS: 2004/12/20-01.72-004 Extracted: 12/20/2004

Analyzed: 12/20/2004 19:40

Dilution: 1.00

MSD: 2004/12/20-01.72-005 Extracted: 12/20/2004

Analyzed: 12/20/2004 19:40

Dilution: 1.00

Compound	Conc. mg/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Ferrous Iron	3.43	3.54	2.5172	1	91.3	102.3	11.4	80-120	20		

ConocoPhillips Chain Of Custody Record

96829

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

2004-12-0740

ConocoPhillips Site Manager:

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

ConocoPhillips Work Order Number: 1394TRC500

ConocoPhillips Cost Object:

DATE: 12-20-04

PAGE: 1 of 1

SAMPLING COMPANY: TRC	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: 5325	GLOBAL ID NO.: T0600101463
ADDRESS: 21 Technology Drive, Irvine CA 92618		SITE ADDRESS (Street and City): 3220 Lakeshore Ave, Oakland	CONOCOPHILLIPS SITE MANAGER: Thomas Kosel
PROJECT CONTACT (Hardcopy or PDF Report to): Anju Farfan		EDF DELIVERABLE TO (RP or Designee): Peter Thomson, TRC pthomson@trcsolutions.com	PHONE NO.: 949-341-7408
TELEPHONE: 949-341-7440	FAX: 949-753-0111	E-MAIL: afarfan@trcsolutions.com	E-MAIL:
SAMPLER NAME(S) (Print): Travis Vandeveer	CONSULTANT PROJECT NUMBER: 41050001/FA20		LAB USE ONLY:

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

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☒

"Run 8oxys by 8260 on all MTBE Hits"

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MTBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MTBE	Lead ☐Total ☐STLC ☐TCLP	TPPH by 8260	BTEX/MTBE by 8260B	Ethanol by 8260	Nitrate	Pi-Isophate	Ferrous Iron	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	U-6	12-20	0917	GW	5									X	X	X	X	X	X	3 Voa HCl
	U-5		1113																	
	U-4		1047																	
	U-3		1164																	
	U-2		1150																	
	U-1		1027																	

TEMPERATURE ON RECEIPT C°: 2

Relinquished by: (Signature)	Received by: (Signature) Refridgerator	Date: 12-20-04	Time: 1330
Relinquished by: (Signature)	Received by: (Signature)	Date: 12-20-04	Time: 18:30
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

011503 Revision

STATEMENTS

Purge Water 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.