Ro 229

ConocoPhillips

76 Broadway
Sacramento, CA 95818
phone 916.558.7676
fax 916.558.7639

November 5, 2004

Mr. Don Hwang
Alameda County Health Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: **Document Transmittal**
Fuel Leak Case
76 Station #5325
3200 Lakeshore Avenue
Oakland, CA

Dear Mr. Hwang:

Please find attached TRC's *Quarterly Status Report, dated 11/05/04,* and TRC's *Quarterly Monitoring Report, dated 10/22/04* for the above referenced site. I declare, under penalty of perjury, that to the best of my knowledge the information and/or recommendations contained in the attached proposal or report is true and correct.

If you have any questions or need additional information, please call me at (916) 558-7666.

Sincerely,

Thomas H. Kosel
Site Manger, Risk Management and Remediation
ConocoPhillips
76 Broadway, Sacramento, CA 95818

Attachment
cc: Roger Batra, TRC

TRC

Customer-Focused Solutions

November 3, 2004 TRC Project No. 42013701

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

RE: Quarterly Status Report - Third Quarter 2004
76 Service Station #5325, 3220 Lakeshore Avenue, Oakland, California
Alameda County

Dear Mr. Hwang:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the Third Quarter 2004 Quarterly Status Report for the subject site, shown on the attached Figures 3 through 5.

PREVIOUS ASSESSMENTS

The site is an operating ConocoPhillips (76) Service Station located on the southeast corner of the intersection of Lakeshore Avenue and Lake Park Avenue in Oakland, California. The site is bounded to the north by Lakeshore Avenue, to the west and southwest by Lake Park Avenue, to the southeast by a supermarket parking lot, and to the east by a pharmacy. Current site facilities consist of the service station building with three service bays, three product dispenser islands, and two 12,000-gallon double-wall fiberglass gasoline underground storage tanks (USTs).

May 1990: Three exploratory soil borings (U-A, U-B, and U-C) were advanced adjacent to the UST complex to depths ranging from 10 to 12.5 feet below ground surface (bgs). Soil samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-g) and benzene, toluene, ethylbenzene, and xylenes (BTEX). The samples contained TPH-g concentrations ranging from 2 to 7,500 parts per million (ppm) and benzene concentrations ranging from 0.14 to 13 ppm (GSI, June, 1990).

June 1990: Two 10,000-gallon gasoline USTs, one 550-gallon waste oil UST, and related product dispensers were replaced. Soil samples collected from the UST excavation sidewalls and bottom and product line trenches were reported to contain TPH-g and benzene at concentrations ranging from 12 to 2,800 ppm and 0.008 to 11 ppm, respectively. Approximately 250 cubic yards of soil and backfill material were aerated onsite to reduce concentrations to below 100 ppm TPH-g, then transported to an appropriate soil disposal facility. Groundwater was encountered at approximately 7.5 feet bgs (GSI, August, 1990).

September 1990: Monitoring wells U-1, U-2, and U-3 were installed. TPH-g was detected in soil samples collected from the capillary fringe in well borings U-1 and U-2 at concentrations of 110 and 480 ppm, respectively. Benzene was detected in the soil sample from well boring U-1 at a concentration of 4.5 ppm. Petroleum hydrocarbons were not detected in soil or groundwater

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

samples from U-3. Groundwater samples collected from wells U-1 and U-2 were reported to contain 690 and 38 parts per billion (ppb) TPH-g and 780 and 27 ppb benzene, respectively (GSI, December, 1990).

June 1990: Monitoring wells U-4, U-5, and U-6 were installed. TPH-g and benzene were detected in the capillary fringe soil sample collected from boring U-5 at concentrations of 400 and 1.9 ppm, respectively. TPH-g and benzene were not detected in soil samples collected from borings U-4 and U-6. Groundwater levels stabilized at depths between 8.8 and 9.2 feet bgs (GSI, August, 1994).

November 1996: One 550-gallon waste oil UST was removed and the product lines and dispensers were replaced. A soil sample collected from the sidewall of the waste oil UST excavation contained 1.5-ppm total petroleum hydrocarbons as diesel (TPH-d) and 78 ppm total oil and grease (TOG). TPH-g, benzene, methyl tertiary butyl ether (MTBE), halogenated volatile organic compounds (HVOCs), and semivolatile organic compounds (SVOCs) were not detected. Product line trench excavation and over excavation samples were reported to contain petroleum hydrocarbon concentrations ranging from non-detect to 880 ppm TPH-g, non-detect to 3.6 ppm benzene, and non-detect to 23 ppm MTBE. Approximately 276 tons of excavated soil was transported to an appropriate disposal facility (GSI, January, 1997).

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

SENSITIVE RECEPTORS

Lake Merritt is located approximately 0.3 miles down gradient. No domestic wells are located within 1 mile of the site.

MONITORING AND SAMPLING

Currently, five onsite and one offsite wells are monitored quarterly. Five wells were sampled this quarter. The groundwater gradient and flow direction were 0.05 foot/foot to the northwest. Last quarter's flow direction was north.

CHARACTERIZATION STATUS

Total purgeable petroleum hydrocarbons (TPPH) were detected in one of the five sampled wells, at a maximum concentration of 340 micrograms per liter (µg/l) in onsite monitoring well U-5.

Benzene was not detected in any of the five sampled wells. This is consistent with recent historical data.

Methyl tertiary butyl ether (MTBE) was detected in three of the five sampled wells, at a maximum concentration of 9,500 µg/l in onsite monitoring well U-2. These levels were consistent with recent historical data.

REMEDIATION STATUS

Remediation is not currently being conducted at the site.

RECENT CORRESPONDENCE

No correspondence this quarter.

CURRENT QUARTER ACTIVITIES

August 30, 2004: TRC submitted a "Workplan for Interim Remedial Measure/Feasibility Study" to Alameda County Health Services.

September 9, 2004: TRC performed groundwater monitoring and sampling. Wastewater generated from well purging and equipment cleaning was stored at TRC's groundwater monitoring facility in Concord, California, and transported by Onyx to the ConocoPhillips Refinery in Rodeo, California, for treatment and disposal.

NEXT QUARTER ACTIVITIES

Await agency directives for additional assessment work, if any.

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

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

Sincerely,

TRC

Roger Batra

Roger Batra
Senior Project Manager

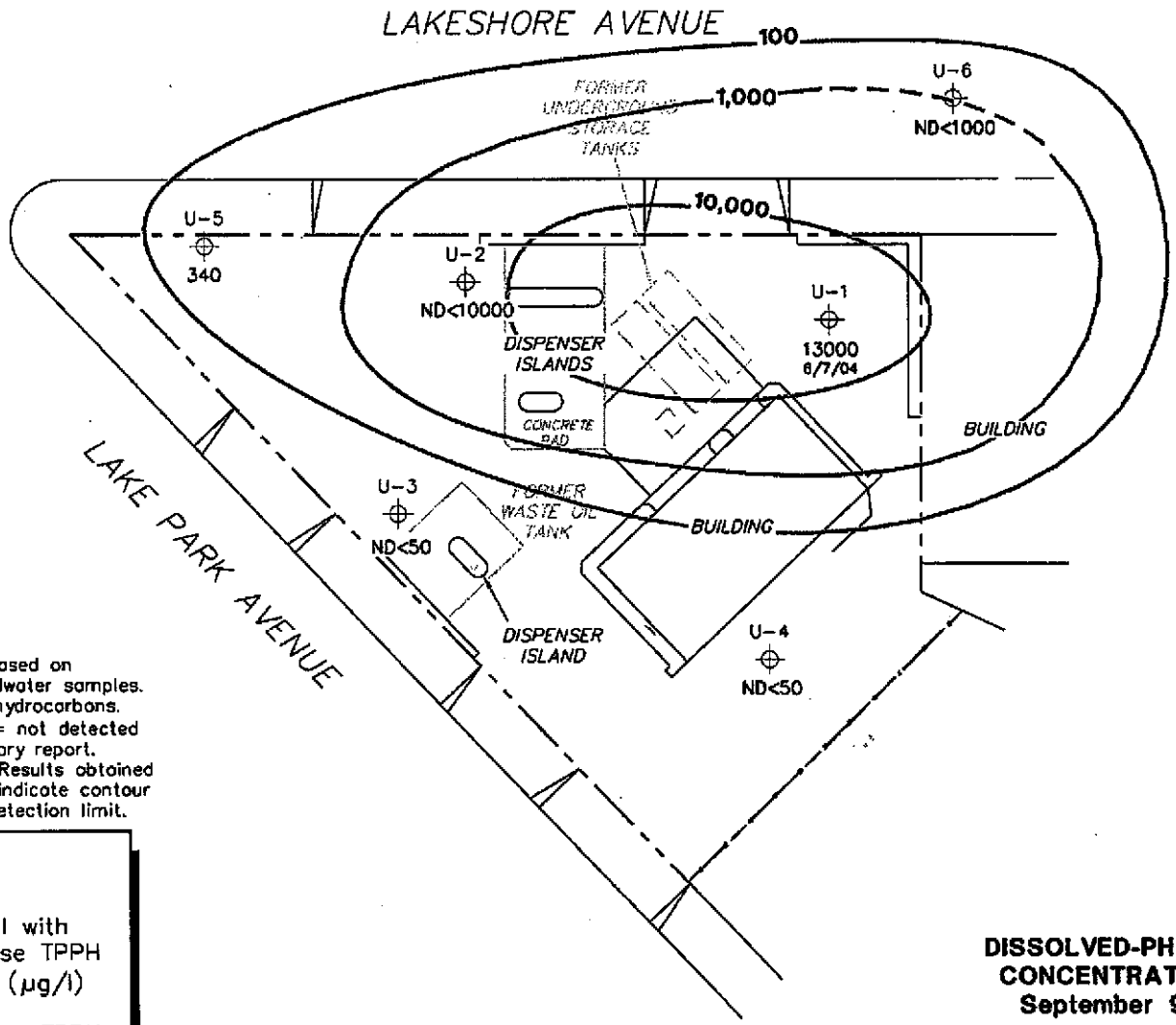
Attachments:

Figure 3 – Dissolved-Phase TPPH Concentration Map, September 9, 2004, from Quarterly Monitoring Report, July through September 2004, dated October 22, 2004 by TRC.

Figure 4 – Dissolved-Phase Benzene Concentration Map, September 9, 2004, from Quarterly Monitoring Report, July through September 2004, dated October 22, 2004 by TRC.

Figure 5 – Dissolved-Phase MTBE Concentration Map, September 9, 2004, from Quarterly Monitoring Report, July through September 2004, dated October 22, 2004 by TRC.

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



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPPH = total purgeable petroleum hydrocarbons. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B. Dashes indicate contour based on non-detect at elevated detection limit.

LEGEND

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

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

DISSOLVED-PHASE TPPH CONCENTRATION MAP
September 9, 2004

76 Station 5325
3220 Lakeshore Avenue
Oakland, California

SCALE (FEET)
0 40

FIGURE 3

TRC

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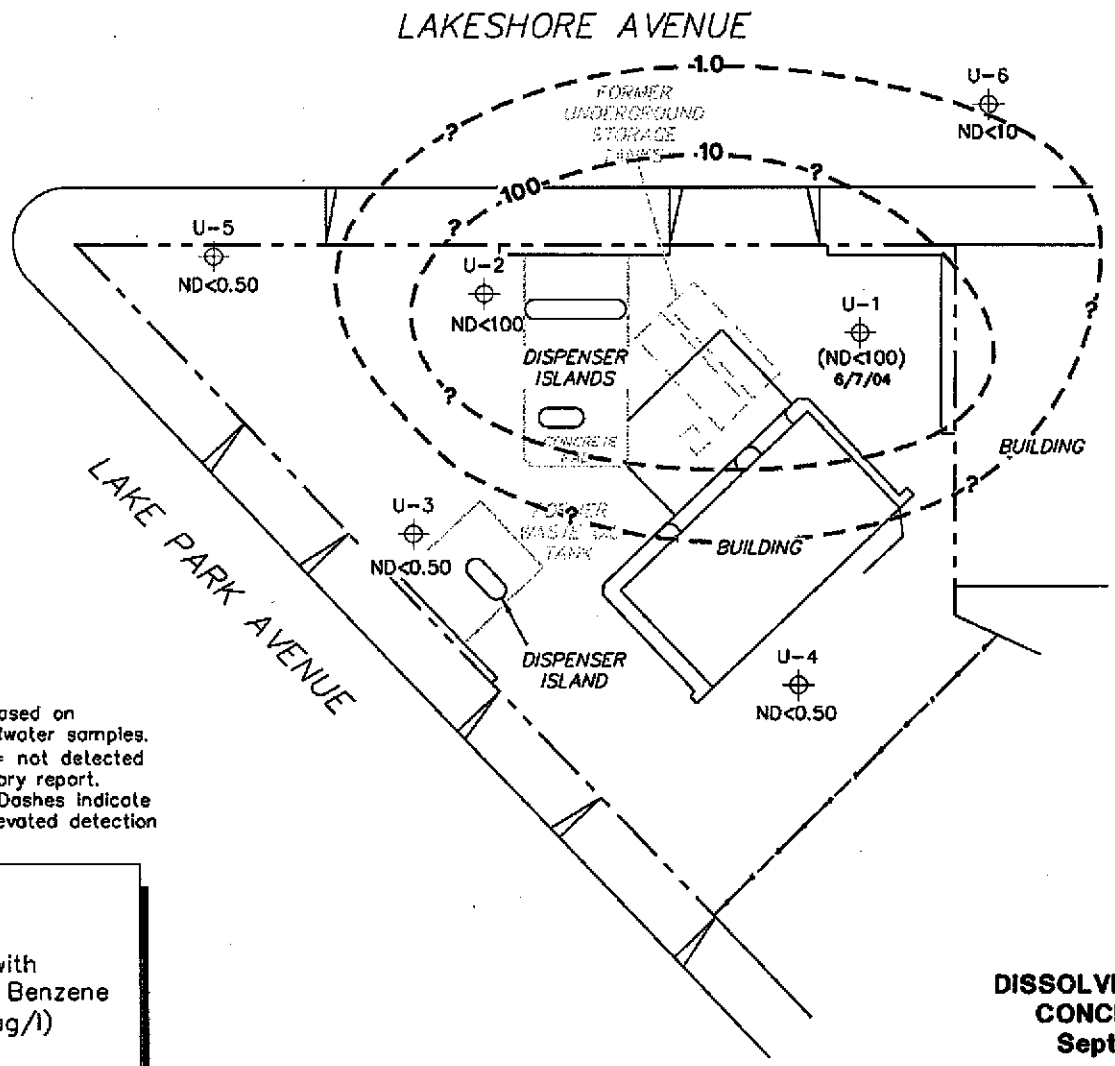

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Dashes indicate contour based on non-detect at elevated detection limit.

LEGEND

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

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

SCALE (FEET)

0 40

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
September 9, 2004

76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 4

TRC

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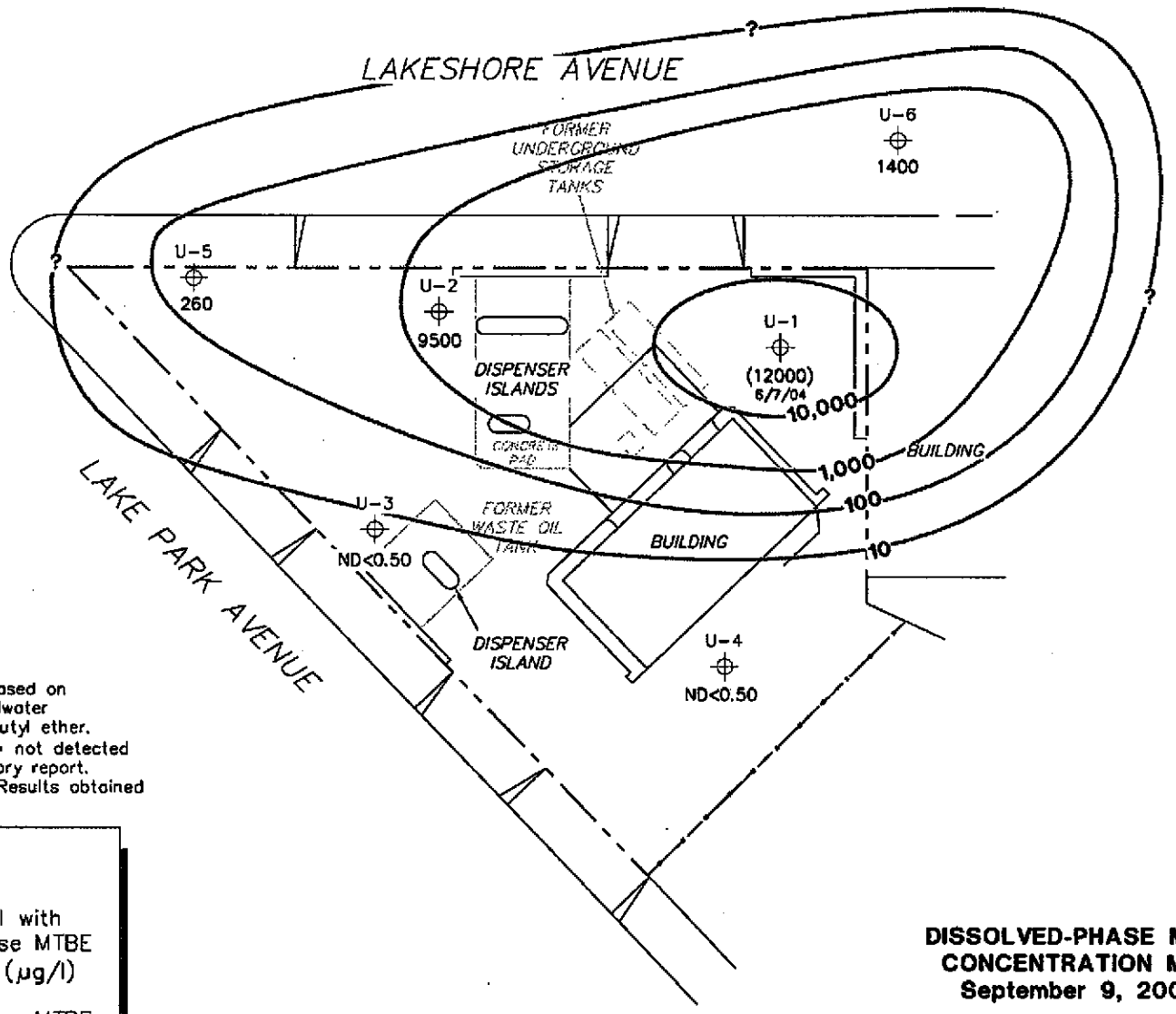

NOTES:

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)

SCALE (FEET)

0 40

DISSOLVED-PHASE MTBE CONCENTRATION MAP
September 9, 2004

76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 5

TRC

PS=1:1 5325-003

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TRC

Customer-Focused Solutions

October 22, 2004

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
JULY THROUGH SEPTEMBER 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 fw
QMS Operations Manager

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

Enclosures
20-0400/5325R04.QMS

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

TRC

Customer-Focused Solutions

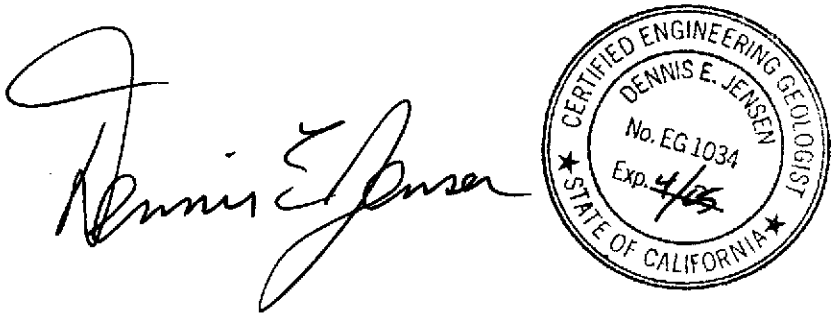
QUARTERLY MONITORING REPORT
JULY THOUGH SEPTEMBER 2004

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
October 4, 2004

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
July 2004 through September 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: **09/09/04**

Sample Points

Groundwater wells: **5** onsite, **1** offsite Wells gauged: **6** Wells sampled: **5**
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: **8.65 feet** Maximum: **12.81 feet**
Average groundwater elevation (relative to available local datum): **-2.20 feet**
Average change in groundwater elevation since previous event: **-1.86 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.05 ft/ft, northwest**
Previous event: **0.04 ft/ft, north (06/07/04)**

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**	**1**	Maximum: **340 µg/l (U-5)**
Wells with **MTBE**	**3**	Maximum: **9,500 µg/l (U-2)**

Notes:

U-1=Dry well,

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

TABLE KEY

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.

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

September 9, 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)**												
9/9/04	8.46	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
U-2		**(Screen Interval in feet: 5.0-20.0)**												
9/9/04	7.62	8.65	0.00	-1.03	-0.90	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	9500	
U-3		**(Screen Interval in feet: 5.0-20.0)**												
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	
U-4		**(Screen Interval in feet: 5.0-20.0)**												
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	
U-5		**(Screen Interval in feet: 5.0-20.0)**												
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	
U-6		**(Screen Interval in feet: 5.0-24.0)**												
9/9/04	7.14	12.81	0.00	-5.67	-3.46	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	1400	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through September 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)**													
1/7/91	--	--	--	--	--	250	--	22	16	4.20	17	--	--	
4/1/91	--	--	--	--	--	160	--	13	8.60	1.0	15	--	--	
7/3/91	--	--	--	--	--	140	--	21	4.30	0.36	17	--	--	
10/9/91	--	--	--	--	--	--	--	--	--	--	--	--	--	
2/12/92	--	--	--	--	--	250	--	--	--	--	--	--	--	
5/5/92	--	--	--	--	--	230	--	1.20	--	--	--	--	--	
6/11/92	--	--	--	--	--	1000	--	80	1.40	6.70	41	--	--	
8/20/92	--	--	--	--	--	400	--	1.0	--	--	0.60	--	--	
2/22/93	--	--	--	--	--	34000	--	1400	5500	910	7300	--	--	
5/7/93	--	--	--	--	--	8700	--	600	240	650	3300	--	--	
8/8/93	--	--	--	--	--	4900	--	79	--	832	270	--	--	
11/16/93	5.32	8.61	0.00	-3.29	--	690	--	--	--	--	--	--	--	
2/16/94	5.32	8.54	0.00	-3.22	0.07	6800	--	--	--	--	--	--	--	
6/22/94	8.46	8.39	0.00	0.07	3.29	200	--	--	--	5.90	21	--	--	
9/22/94	8.46	8.66	0.00	-0.20	-0.27	6100	--	--	--	--	--	--	--	
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	0.00	0.74	0.32	--	--	--	--	--	--	--	--	
6/21/95	8.46	9.30	0.00	-0.84	-1.58	--	--	--	--	--	--	--	--	
9/19/95	8.46	9.29	0.00	-0.83	0.01	--	--	--	--	--	--	--	--	
12/19/95	8.46	8.98	0.00	-0.52	0.31	--	--	--	--	--	--	--	--	
3/18/96	8.46	8.25	0.00	0.21	0.73	27000	--	--	2300	1400	11000	4900	--	
6/27/96	8.46	7.92	0.00	0.54	0.33	120000	--	540	4300	2600	26000	--	--	
9/26/96	8.46	9.10	0.02	-0.63	-1.17	--	--	--	--	--	--	--	--	
12/9/96	8.46	6.88	0.03	1.60	2.23	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through September 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														
3/14/97	8.46	9.02	0.55	-0.15	-1.75	--	--	--	--	--	--	--	--	
6/30/97	8.46	8.41	0.02	0.07	0.21	--	--	--	--	--	--	--	--	
9/19/97	8.46	8.56	0.02	-0.09	-0.15	--	--	--	--	--	--	--	--	
12/12/97	8.46	8.58	0.01	-0.11	-0.03	--	--	--	--	--	--	--	--	
3/3/98	8.46	8.23	0.04	0.26	0.37	--	--	--	--	--	--	--	--	
6/15/98	8.46	8.37	0.00	0.09	-0.17	52000	--	--	900	1800	13000	--	--	
9/30/98	8.46	8.94	0.00	-0.48	-0.57	1000000	--	--	2600	13000	83000	4800	--	
12/28/98	8.46	8.57	0.00	-0.11	0.37	1100000	--	--	1600	8600	71000	5700	--	
3/22/99	8.46	8.18	0.00	0.28	0.39	130000	--	470	1100	2000	28000	5700	--	
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	--	89.30	--	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	--	1200	7200	15000	20000	
9/27/00	8.46	9.29	0.00	-0.83	0.16	15000	--	92	--	540	2800	74000	83000	
12/12/00	8.46	9.37	0.00	-0.91	-0.08	50000	--	--	--	250	1900	12000	15000	
3/7/01	8.46	8.45	0.00	0.01	0.92	6220	--	29.80	10.40	96.30	638	11200	11800	
6/6/01	8.46	9.29	0.00	-0.83	-0.84	5200	--	17	--	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	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through September 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														
3/4/03	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	<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
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	3.10	290	--	--	
10/9/91	--	--	--	--	--	230	--	7.1	--	--	11	--	--	
2/12/92	--	--	--	--	--	410	--	1.9	--	0.36	0.40	--	--	
5/5/92	--	--	--	--	--	1600	--	120	52	6.20	290	--	--	
6/11/92	--	--	--	--	--	620	--	17	2.10	--	37	--	--	
8/20/92	--	--	--	--	--	700	--	28	6.50	1.30	4.60	--	--	
2/22/93	--	--	--	--	--	3400	--	2400	2100	1200	5800	--	--	
5/7/93	--	--	--	--	--	17000	--	1800	660	1700	4000	--	--	
8/8/93	--	--	--	--	--	5600	--	420	--	410	670	--	--	
11/16/93	4.53	8.17	0.00	-3.64	--	510	--	--	--	--	--	--	--	
2/16/94	4.53	7.73	0.00	-3.20	0.44	980	--	49	13	2.70	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	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through September 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														
12/24/94	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	--	1800	1700	--	--	
9/19/95	7.62	7.70	0.00	-0.08	-0.72	3000	--	610	--	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	--	1200	2200	22000	--	
6/27/96	7.62	7.41	0.00	0.21	-0.96	28000	--	3400	--	2800	3100	3000	--	
9/26/96	7.62	7.90	0.00	-0.28	-0.49	5900	--	750	--	--	--	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	--	--	--	--	--	--	--	--	
6/30/97	7.62	6.19	0.00	1.43	0.91	--	--	--	--	--	--	--	--	
9/19/97	7.62	7.31	0.00	0.31	-1.12	--	--	--	--	--	--	--	--	
12/12/97	7.62	6.75	0.00	0.87	0.56	--	--	--	--	--	--	--	--	
3/3/98	7.62	6.36	0.00	1.26	0.39	80000	--	3000	1100	820	16000	16000	--	
6/15/98	7.62	6.51	0.00	1.11	-0.15	48000	--	1800	330	470	7900	20000	--	
9/30/98	7.62	7.17	0.00	0.45	-0.66	60000	--	1300	--	500	9700	19000	--	
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	--	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	--	17.20	--	--	157	14900	15600	
3/13/00	7.62	6.69	0.00	0.93	1.62	11000	--	380	160	--	2100	22000	26000	
6/21/00	7.62	7.67	0.00	-0.05	-0.98	9100	--	22	--	--	800	16000	22000	
9/27/00	7.62	7.44	0.00	0.18	0.23	2900	--	43	--	--	39	20000	26000	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through September 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														
12/12/00	7.62	7.51	0.00	0.11	-0.07	3600	--	17	--	--	87	8000	7800	
3/7/01	7.62	7.15	0.00	0.47	0.36	1670	--	51	--	7.20	19.50	5930	7900	
6/6/01	7.62	7.57	0.00	0.05	-0.42	1100	--	14	--	9.30	35	9200	10000	
9/24/01	7.62	7.63	0.00	-0.01	-0.06	1000	--	25	ND<2.50	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	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	
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	
U-3	**(Screen Interval in feet: 5.0-20.0)**													
8/10/90	--	--	--	--	--	--	--	--	--	--	--	--	--	
1/7/91	--	--	--	--	--	--	--	--	--	--	1.80	--	--	
4/1/91	--	--	--	--	--	--	--	1.0	2.90	0.53	5.40	--	--	
7/3/91	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/9/91	--	--	--	--	--	--	--	--	--	--	--	--	--	
2/12/92	--	--	--	--	--	--	--	--	--	--	--	--	--	
5/5/92	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through September 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														
6/11/92	--	--	--	--	--	--	--	--	--	--	--	--	--	
8/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	
2/22/93	--	--	--	--	--	--	--	--	--	--	--	--	--	
5/7/93	--	--	--	--	--	--	--	--	--	--	--	--	--	
8/8/93	--	--	--	--	--	210	--	5.0	9.70	0.70	4.10	--	--	
11/16/93	7.86	11.82	0.00	-3.96	--	--	--	--	--	--	--	--	--	
2/16/94	7.86	11.62	0.00	-3.76	0.20	--	--	--	--	--	--	--	--	
6/22/94	10.98	11.64	0.00	-0.66	3.10	--	--	--	--	--	--	--	--	
9/22/94	10.98	11.76	0.00	-0.78	-0.12	--	--	--	--	--	--	--	--	
12/24/94	10.98	11.28	0.00	-0.30	0.48	--	--	--	--	--	--	--	--	
3/25/95	10.98	10.96	0.00	0.02	0.32	--	--	--	--	--	--	--	--	
6/21/95	10.98	11.37	0.00	-0.39	-0.41	--	--	--	--	--	--	--	--	
9/19/95	10.98	11.55	0.00	-0.57	-0.18	--	--	--	--	--	--	--	--	
12/19/95	10.98	11.45	0.00	-0.47	0.10	--	--	--	--	--	--	--	--	
3/18/96	10.98	11.10	0.00	-0.12	0.35	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	
12/9/96	10.98	10.12	0.00	0.86	1.43	--	--	--	--	--	--	29	--	
3/14/97	10.98	10.87	0.00	0.11	-0.75	--	--	--	--	--	--	--	--	
6/30/97	10.98	11.08	0.00	-0.10	-0.21	--	--	--	--	--	--	--	--	
9/19/97	10.98	11.05	0.00	-0.07	0.03	--	--	--	--	--	--	--	--	
12/12/97	10.98	10.58	0.00	0.40	0.47	--	--	--	--	--	--	--	--	
3/3/98	10.98	9.84	0.00	1.14	0.74	--	--	--	--	--	--	--	--	
6/15/98	10.98	10.56	0.00	0.42	-0.72	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 1990 Through September 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														
9/30/98	10.98	11.12	0.00	-0.14	-0.56	--	--	--	--	--	--	--	--	
12/28/98	10.98	10.96	0.00	0.02	0.16	--	--	--	--	--	--	--	--	
3/22/99	10.98	9.46	0.00	1.52	1.50	--	--	--	--	--	--	--	--	
6/9/99	10.98	11.01	0.00	-0.03	-1.55	--	--	--	--	--	--	--	--	
9/8/99	10.98	11.31	0.00	-0.33	-0.30	--	--	--	--	--	--	--	--	
12/7/99	10.98	11.26	0.00	-0.28	0.05	--	--	--	--	--	--	--	--	
3/13/00	10.98	8.28	0.00	2.70	2.98	--	--	--	--	--	--	--	--	
6/21/00	10.98	11.12	0.00	-0.14	-2.84	--	--	--	--	--	--	--	--	
9/27/00	10.98	11.07	0.00	-0.09	0.05	--	--	--	--	--	--	--	--	
12/12/00	10.98	10.94	0.00	0.04	0.13	--	--	--	--	--	--	--	--	
3/7/01	10.98	8.32	0.00	2.66	2.62	--	--	--	--	--	--	--	--	
6/6/01	10.98	10.94	0.00	0.04	-2.62	--	--	--	--	--	--	--	--	
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<2.50	--	
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<2.50	--	
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<2.50	--	
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<2.50	--	
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	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through September 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														
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	
U-4	**(Screen Interval in feet: 5.0-20.0)**													
6/22/94	11.15	10.16	0.00	0.99	--	--	--	--	--	--	--	--	--	
9/22/94	11.15	10.79	0.00	0.36	-0.63	--	--	0.78	1.3	--	1.4	--	--	
12/24/94	11.15	9.81	0.00	1.34	0.98	--	--	--	--	--	--	--	--	
3/25/95	11.15	9.51	0.00	1.64	0.30	--	--	--	--	--	--	--	--	
6/21/95	11.15	9.54	0.00	1.61	-0.03	--	--	--	--	--	--	--	--	
9/19/95	11.15	10.17	0.00	0.98	-0.63	--	--	--	--	--	--	--	--	
12/19/95	11.15	9.98	0.00	1.17	0.19	--	--	--	--	--	--	--	--	
3/18/96	11.15	9.66	0.00	1.49	0.32	--	--	--	--	--	--	--	--	
6/27/96	11.15	9.74	0.00	1.41	-0.08	--	--	--	--	--	--	--	--	
9/26/96	11.15	10.14	0.00	1.01	-0.40	--	--	--	--	--	--	--	--	
12/9/96	11.15	8.67	0.00	2.48	1.47	--	--	--	--	--	--	33	--	
3/14/97	11.15	9.35	0.00	1.80	-0.68	--	--	--	--	--	--	--	--	
6/30/97	11.15	9.89	0.00	1.26	-0.54	--	--	--	--	--	--	--	--	
9/19/97	11.15	9.96	0.00	1.19	-0.07	--	--	--	--	--	--	--	--	
12/12/97	11.15	8.56	0.00	2.59	1.40	--	--	--	--	--	--	--	--	
3/3/98	11.15	7.85	0.00	3.30	0.71	--	--	--	--	--	--	--	--	
6/15/98	11.15	9.08	0.00	2.07	-1.23	--	--	--	--	--	--	--	--	
9/30/98	11.15	9.75	0.00	1.40	-0.67	--	--	--	--	--	--	--	--	
12/28/98	11.15	9.59	0.00	1.56	0.16	--	--	--	--	--	--	--	--	
3/22/99	11.15	8.34	0.00	2.81	1.25	--	--	--	--	--	--	--	--	
6/9/99	11.15	9.39	0.00	1.76	-1.05	--	--	--	--	--	--	--	--	
9/8/99	11.15	9.90	0.00	1.25	-0.51	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through September 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														
12/7/99	11.15	10.05	0.00	1.10	-0.15	--	--	--	--	--	--	--	--	
3/13/00	11.15	7.24	0.00	3.91	2.81	--	--	--	--	--	--	--	--	
6/21/00	11.15	9.48	0.00	1.67	-2.24	--	--	--	--	--	--	--	--	
9/27/00	11.15	9.42	0.00	1.73	0.06	--	--	--	--	--	--	--	--	
12/12/00	11.15	9.50	0.00	1.65	-0.08	--	--	--	--	--	--	--	--	
3/7/01	11.15	6.88	0.00	4.27	2.62	--	--	--	--	--	--	--	--	
6/6/01	11.15	9.18	0.00	1.97	-2.30	--	--	--	--	--	--	--	--	
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<2.50	--	
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<2.50	--	
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<2.50	--	
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<2.50	--	
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	
U-5	**(Screen Interval in feet: 5.0-20.0)**													
6/22/94	6.98	6.83	0.00	0.15	--	210	--	7.10	13	4.50	26	--	--	
9/22/94	6.98	6.90	0.00	0.08	-0.07	170	--	8.40	10	8.50	18	--	--	
12/24/94	6.98	6.43	0.00	0.55	0.47	8700	--	560	70	670	430	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through September 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														
3/25/95	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	--	9.10	3.50	--	--	
9/19/95	6.98	6.99	0.00	-0.01	0.12	850	--	14	7.10	13	66	--	--	
12/19/95	6.98	7.17	0.00	-0.19	-0.18	--	--	--	--	--	--	--	--	
3/18/96	6.98	6.65	0.00	0.33	0.52	100	--	0.67	0.50	0.51	5.40	--	--	
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	--	--	--	0.57	--	0.96	--	--	
12/9/96	6.98	5.90	0.00	1.08	1.23	1300	--	29	46	--	140	97	--	
3/14/97	6.98	6.99	0.00	-0.01	-1.09	--	--	--	--	--	--	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	--	1.30	--	1.60	2.10	47	--	
3/3/98	6.98	6.50	0.00	0.48	0.44	1700	--	29	--	150	190	330	--	
6/15/98	6.98	6.85	0.00	0.13	-0.35	1500	--	32	--	91	83	330	--	
9/30/98	6.98	7.31	0.00	-0.33	-0.46	1700	--	44	--	39	150	60	--	
12/28/98	6.98	7.25	0.00	-0.27	0.06	1400	--	59	--	13	27	150	--	
3/22/99	6.98	6.86	0.00	0.12	0.39	780	--	8.90	--	0.76	4.5	350	--	
6/9/99	6.98	7.28	0.00	-0.30	-0.42	1000	--	--	--	10	35	280	350	
9/8/99	6.98	7.52	0.00	-0.54	-0.24	2620	--	26.20	--	32.20	157	280	239	
12/7/99	6.98	7.67	0.00	-0.69	-0.15	949	--	9.26	--	11.20	22.70	235	301	
3/13/00	6.98	6.73	0.00	0.25	0.94	880	--	12	1.0	5.60	8.70	46	37	
6/21/00	6.98	7.39	0.00	-0.41	-0.66	700	--	4.0	--	0.99	4.0	120	140	
9/27/00	6.98	7.45	0.00	-0.47	-0.06	400	--	1.9	--	--	1.50	160	250	
12/12/00	6.98	7.68	0.00	-0.70	-0.23	770	--	3.20	--	--	--	27	13	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through September 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														
3/7/01	6.98	6.83	0.00	0.15	0.85	623	--	5.15	--	--	0.669	35.70	43.4	
6/6/01	6.98	7.42	0.00	-0.44	-0.59	110	--	--	--	--	--	--	--	
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<2.50	--	
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	5.70	ND<1.0	--	11	
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	
U-6	**(Screen Interval in feet: 5.0-24.0)**													
6/22/94	7.14	7.14	0.00	0.00	--	--	--	--	--	--	--	--	--	
9/22/94	7.14	7.34	0.00	-0.20	-0.20	130	--	1.30	0.80	--	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	--	--	--	--	--	--	--	--	
9/19/95	7.14	7.70	0.00	-0.56	-0.10	--	--	--	--	--	--	--	--	
12/19/95	7.14	7.75	0.00	-0.61	-0.05	210	--	2.50	1.0	2.90	17	--	--	
3/18/96	7.14	6.86	0.00	0.28	0.89	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through September 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														
6/27/96	7.14	6.52	0.00	0.62	0.34	--	--	--	--	--	--	510	--	
9/26/96	7.14	7.62	0.00	-0.48	-1.10	--	--	--	--	--	--	1400	--	
12/9/96	7.14	5.88	0.00	1.26	1.74	1200	--	29	48	6.40	140	58	--	
3/14/97	7.14	7.30	0.00	-0.16	-1.42	--	--	--	--	--	--	1500	--	
6/30/97	7.14	7.35	0.00	-0.21	-0.05	--	--	--	--	--	--	990	--	
9/19/97	7.14	7.25	0.00	-0.11	0.10	--	--	--	--	--	--	1400	--	
12/12/97	7.14	7.29	0.00	-0.15	-0.04	--	--	--	--	--	--	680	--	
3/3/98	7.14	7.00	0.00	0.14	0.29	--	--	--	--	--	--	1600	--	
6/15/98	7.14	7.18	0.00	-0.04	-0.18	--	--	--	--	--	--	1000	--	
9/30/98	7.14	7.90	0.00	-0.76	-0.72	--	--	--	--	--	--	1200	--	
12/28/98	7.14	7.79	0.00	-0.65	0.11	--	--	--	--	--	--	730	--	
3/22/99	7.14	7.47	0.00	-0.33	0.32	--	--	--	--	--	--	1800	--	
6/9/99	7.14	7.73	0.00	-0.59	-0.26	--	--	--	--	--	--	1000	850	
9/8/99	7.14	7.95	0.00	-0.81	-0.22	--	--	--	--	--	--	851	1040	
12/7/99	7.14	8.10	0.00	-0.96	-0.15	--	--	--	--	--	--	1140	1150	
3/13/00	7.14	6.95	0.00	0.19	1.15	--	--	--	--	--	--	560	670	
6/21/00	7.14	7.84	0.00	-0.70	-0.89	--	--	--	--	--	--	400	590	
9/27/00	7.14	7.68	0.00	-0.54	0.16	--	--	--	--	--	--	2500	2800	
12/12/00	7.14	7.74	0.00	-0.60	-0.06	--	--	--	--	--	--	590	580	
6/6/01	7.14	7.80	0.00	-0.66	--	--	--	--	--	--	--	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	470	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through September 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														
9/3/02	7.14	7.72	0.00	-0.58	-0.54	420	--	ND<2.50	ND<2.50	ND<2.50	4.70	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	
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	

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	1,2 DCE
	(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)	(µg/l)
U-1															
6/15/98	--	--	--	--	--	--	--	--	--	39	382	--	--	--	--
9/30/98	--	--	--	--	--	--	--	--	--	17	366	--	--	--	--
12/28/98	--	--	--	--	6.30	--	--	--	--	4.30	298	--	28	--	--
3/22/99	--	--	--	--	--	--	--	--	--	4.90	320	--	3.50	--	--
6/9/99	--	--	--	--	--	--	--	--	--	1.20	260	--	--	--	--
9/8/99	--	--	--	--	--	--	--	--	--	1.80	85	--	--	--	--
12/7/99	--	--	1.36	--	--	--	--	--	--	5.70	404	--	17	--	--
3/13/00	--	--	--	--	0.18	--	--	--	--	8.0	262	--	--	--	--
6/21/00	--	--	1.53	--	--	--	--	--	--	9.30	148	--	--	--	--
9/27/00	--	--	1.63	--	--	--	--	--	--	2.80	119	--	18.40	--	--
12/12/00	--	--	1.48	--	--	--	--	--	--	0.49	131	--	16	--	--
3/7/01	--	--	1.91	--	2.64	--	--	--	--	0.48	125	--	6.89	--	--
6/6/01	--	--	1.77	--	--	--	--	--	--	1.04	141	--	2.70	--	--
9/24/01	--	ND<1000	1.64	--	0.45	ND<1000	ND<20000	ND<1000	ND<1000	ND<0.10	125	--	--	ND<400000	ND<1000
12/10/01	--	ND<100	1.82	--	ND<0.50	ND<100	ND<4000	ND<100	ND<100	14	141	--	2.20	ND<8000	ND<100
3/11/02	--	ND<100	2.21	--	ND<0.50	ND<100	ND<5000	ND<100	ND<100	15	132	--	0.11	ND<25000	ND<100
6/4/02	--	--	1.88	--	ND<0.50	--	--	--	--	ND<0.50	117	--	ND<0.10	--	--
9/3/02	--	ND<200	1.62	--	ND<0.50	ND<200	ND<10000	ND<200	ND<200	ND<0.50	94	--	ND<0.10	ND<50000	ND<200
12/3/02	--	ND<200	1.71	--	ND<1.0	ND<200	ND<10000	ND<200	ND<200	9.60	72	--	ND<1.0	ND<50000	ND<200
3/4/03	--	ND<100	0.30	--	ND<1.0	ND<100	ND<5000	ND<100	ND<100	36	-125	--	ND<1.0	ND<25000	ND<100
6/18/03	--	ND<100	--	1.70	ND<1.0	ND<100	ND<5000	ND<100	ND<100	16	-48	--	ND<1.0	ND<25000	ND<100
9/24/03	--	ND<400	--	--	18	ND<400	ND<20000	ND<400	ND<400	15	-36	--	ND<1.0	ND<100000	ND<400
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	--
U-2															

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	1,2 DCE
	(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)	(µg/l)
U-2 continued															
3/3/98	--	--	--	--	--	--	--	--	--	25	369	--	--	--	--
6/15/98	--	--	--	--	--	--	--	--	--	42	341	--	--	--	--
9/30/98	--	--	--	--	--	--	--	--	--	25	354	--	--	--	--
12/28/98	--	--	--	--	--	--	--	--	--	28	276	--	--	--	--
3/22/99	--	--	--	--	--	--	--	--	--	0.68	320	--	2.30	--	--
6/9/99	--	--	--	--	--	--	--	--	--	0.50	290	--	--	--	--
9/8/99	--	--	--	--	--	--	--	--	--	1.90	235	--	--	--	--
12/7/99	--	--	2.28	--	--	--	--	--	--	0.25	389	--	--	--	--
3/13/00	--	--	--	--	0.31	--	--	--	--	4.30	184	--	--	--	--
6/21/00	--	--	1.96	--	--	--	--	--	--	0.26	136	--	--	--	--
9/27/00	--	--	2.12	--	--	--	--	--	--	0.64	142	--	10.50	--	--
12/12/00	--	--	2.35	--	--	--	--	--	--	2.70	155	--	--	--	--
3/7/01	--	--	2.21	--	2.24	--	--	--	--	0.68	148	--	3.02	--	--
6/6/01	--	--	2.67	--	--	--	--	--	--	0.80	163	--	2.80	--	--
9/24/01	--	ND<1000	2.10	--	0.49	ND<1000	ND<20000	ND<1000	ND<1000	ND<0.10	151	--	--	ND<400000	ND<1000
12/10/01	--	ND<50	2.81	--	ND<0.50	ND<50	ND<2000	ND<50	ND<50	ND<0.10	171	--	0.20	ND<4000	ND<50
3/11/02	--	ND<200	2.77	--	ND<0.50	ND<200	ND<10000	ND<200	ND<200	ND<0.10	156	--	0.65	ND<50000	ND<200
6/4/02	--	--	3.14	--	ND<0.50	--	--	--	--	ND<0.10	144	--	ND<0.10	--	--
9/3/02	--	ND<1000	2.85	--	ND<0.50	ND<1000	ND<50000	ND<1000	ND<1000	ND<0.25	151	--	0.26	ND<250000	ND<1000
12/3/02	--	ND<200	1.97	--	ND<1.0	ND<200	ND<10000	ND<200	ND<200	9.90	94	--	ND<1.0	ND<50000	ND<200
3/4/03	--	ND<200	0.40	--	ND<1.0	ND<200	ND<10000	ND<200	ND<200	8.60	-147	--	ND<1.0	ND<50000	ND<200
6/18/03	--	ND<200	--	3.20	ND<1.0	ND<200	ND<10000	ND<200	ND<200	5.50	-8	--	3.1	ND<50000	ND<200
9/24/03	--	ND<400	--	--	ND<1.0	ND<400	ND<20000	ND<400	ND<400	14	-10	--	ND<1.0	ND<100000	ND<400
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	1,2 DCE
	(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)	(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	--
U-3															
6/30/97	--	--	4.10	--	21	--	--	--	--	1.40	190	--	0.86	--	--
9/19/97	--	--	4.20	--	19	--	--	--	--	0.57	75	--	--	--	--
12/12/97	--	--	2.97	--	23	--	--	--	--	1.90	390	--	0.85	--	--
3/3/98	--	--	2.63	--	36	--	--	--	--	0.013	358	--	--	--	--
6/15/98	--	--	2.93	--	33	--	--	--	--	0.16	318	--	--	--	--
9/30/98	--	--	3.11	--	31	--	--	--	--	0.040	295	--	--	--	--
12/28/98	--	--	3.59	--	29	--	--	--	--	--	281	--	--	--	--
3/22/99	--	--	4.02	--	30	--	--	--	--	0.015	310	--	0.14	--	--
6/9/99	--	--	3.70	--	26	--	--	--	--	--	350	--	1.20	--	--
9/8/99	--	--	3.96	--	32.90	--	--	--	--	--	417	--	--	--	--
12/7/99	--	--	4.21	--	27.90	--	--	--	--	0.0520	437	--	--	--	--
3/13/00	--	--	--	--	33	--	--	--	--	0.15	307	--	--	--	--
6/21/00	--	--	4.27	--	32	--	--	--	--	0.20	225	--	--	--	--
9/27/00	--	--	4.67	--	34	--	--	--	--	--	211	307	15.70	--	--
12/12/00	--	--	4.79	--	31	--	--	--	--	--	246	--	--	--	--
3/7/01	--	--	5.16	--	36.5	--	--	--	--	--	251	--	0.443	--	--
6/6/01	--	--	4.79	--	8.0	--	--	--	--	--	214	--	0.18	--	--
9/24/01	--	--	4.27	--	23.0	--	--	--	--	ND<0.10	198	--	--	--	--
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	--	--
3/4/03	--	--	0.20	--	18	--	--	--	--	ND<0.20	-136	--	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	1,2 DCE
	(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)	(µg/l)
U-3 continued															
6/18/03	--	--	--	3.50	17	--	--	--	--	ND<0.20	333	--	ND<1.0	--	--
9/24/03	--	--	--	--	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	--
U-4															
6/30/97	--	--	5.40	--	35	--	--	--	--	0.13	200	--	0.52	--	--
9/19/97	--	--	5.10	--	30	--	--	--	--	0.35	45	--	--	--	--
12/12/97	--	--	3.11	--	31	--	--	--	--	0.68	380	--	0.73	--	--
3/3/98	--	--	2.94	--	3.20	--	--	--	--	0.018	284	--	--	--	--
6/15/98	--	--	3.08	--	33	--	--	--	--	0.14	256	--	--	--	--
9/30/98	--	--	4.05	--	31	--	--	--	--	0.049	276	--	--	--	--
12/28/98	--	--	4.57	--	31	--	--	--	--	0.36	280	--	--	--	--
3/22/99	--	--	4.26	--	30	--	--	--	--	--	320	--	0.14	--	--
6/9/99	--	--	3.61	--	35	--	--	--	--	--	340	--	0.91	--	--
9/8/99	--	--	3.75	--	24	--	--	--	--	--	391	--	--	--	--
12/7/99	--	--	4.03	--	27.70	--	--	--	--	--	478	--	--	--	--
3/13/00	--	--	--	--	33	--	--	--	--	--	244	--	--	--	--
6/21/00	--	--	4.89	--	32	--	--	--	--	0.034	248	--	--	--	--
9/27/00	--	--	5.09	--	28	--	--	--	--	--	198	--	--	--	--
12/12/00	--	--	4.86	--	30	--	--	--	--	--	210	--	--	--	--
3/7/01	--	--	4.97	--	33.90	--	--	--	--	--	233	--	0.226	--	--
6/6/01	--	--	5.12	--	7.4	--	--	--	--	--	248	--	0.21	--	--
9/24/01	--	--	4.86	--	24	--	--	--	--	ND<0.10	262	--	--	--	--
12/10/01	--	--	5.05	--	19	--	--	--	--	ND<0.10	242	--	0.1	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

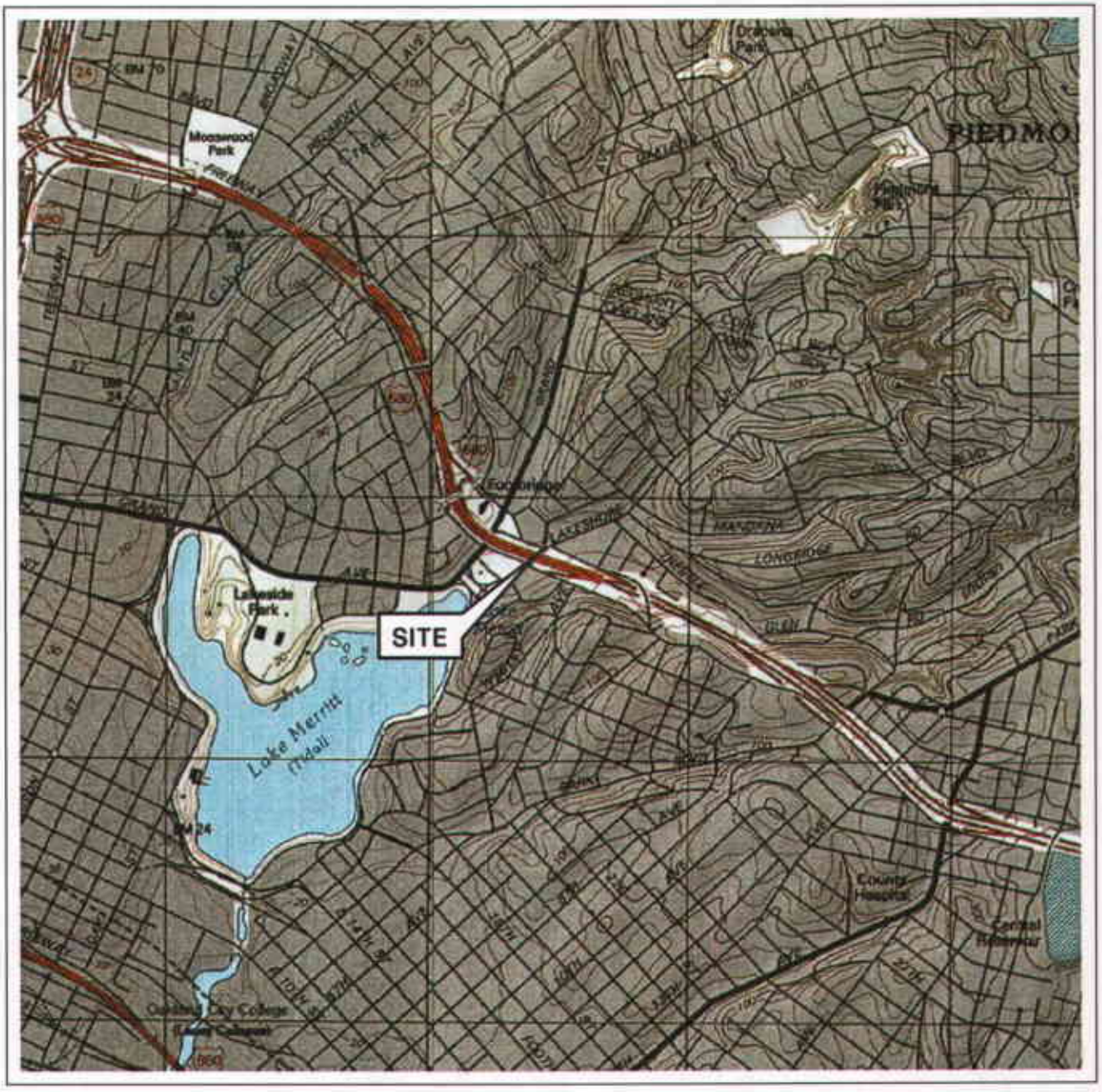
Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	Phosphate	Ethanol 8260B	1,2 DCE
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(µg/l)	(µg/l)
U-4 continued															
3/11/02	--	--	4.83	--	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	--	--	--	3.60	31	--	--	--	--	ND<0.20	250	--	ND<1.0	--	--
9/24/03	--	--	--	--	17	--	--	--	--	ND<0.20	-24	--	1.5	--	--
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	--
U-5															
6/30/97	--	--	3.40	--	--	--	--	--	--	16	160	--	--	--	--
9/19/97	--	--	0.60	--	--	--	--	--	--	0.22	63	--	--	--	--
12/12/97	--	--	1.75	--	--	--	--	--	--	6.70	400	--	--	--	--
3/3/98	--	--	2.36	--	3.10	--	--	--	--	18	345	--	--	--	--
6/15/98	--	--	2.55	--	--	--	--	--	--	17	333	--	--	--	--
9/30/98	--	--	1.93	--	--	--	--	--	--	17	318	--	--	--	--
12/28/98	--	--	1.64	--	6.60	--	--	--	--	17	305	--	--	--	--
3/22/99	--	--	1.99	--	--	--	--	--	--	0.12	340	--	2.4	--	--
6/9/99	--	--	2.10	--	--	--	--	--	--	0.23	320	--	--	--	--
9/8/99	--	--	2.21	--	--	--	--	--	--	2.10	335	--	--	--	--
12/7/99	--	--	2.66	--	--	--	--	--	--	0.310	408	--	--	--	--
3/13/00	--	--	--	--	0.16	--	--	--	--	0.33	264	--	--	--	--
6/21/00	--	--	3.42	--	--	--	--	--	--	0.15	159	--	--	--	--
9/27/00	--	--	3.85	--	--	--	--	--	--	0.33	136	--	--	--	--

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	1,2 DCE
	(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)	(µg/l)
U-5 continued															
12/12/00	--	--	3.53	--	--	--	--	--	--	0.086	122	--	--	--	--
3/7/01	--	--	2.98	--	3.02	--	--	--	--	1.07	141	--	4.0	--	--
6/6/01	--	--	2.67	--	--	--	--	--	--	--	112	--	1.20	--	--
9/24/01	--	ND<10	3.15	--	0.77	ND<10	ND<200	ND<10	ND<10	ND<0.10	146	--	--	ND<4000	ND<10
12/10/01	--	--	2.85	--	ND<0.50	--	--	--	--	3.70	96	--	2.60	--	--
3/11/02	--	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	ND<2.0
6/4/02	--	--	3.46	--	ND<0.50	--	--	--	--	ND<0.250	118	--	ND<0.10	--	--
9/3/02	--	ND<2.0	2.85	--	ND<0.50	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.250	87	--	ND<0.10	ND<500	ND<2.0
12/3/02	--	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	ND<2.0
3/4/03	--	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	ND<2.0
6/18/03	--	ND<2.0	--	2.40	ND<1.0	ND<2.0	ND<100	ND<2.0	ND<2.0	11	-10	--	ND<1.0	ND<500	ND<2.0
9/24/03	--	--	--	--	18	--	--	--	--	ND<0.20	-28	--	1.8	--	--
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	--
U-6															
6/30/97	--	--	0.30	--	0.80	--	--	--	--	88	190	--	--	--	--
9/19/97	--	--	0.60	--	1.80	--	--	--	--	2.90	--	--	--	--	--
12/12/97	--	--	2.70	--	--	--	--	--	--	51	380	--	--	--	--
3/3/98	--	--	2.18	--	3.50	--	--	--	--	60	327	--	--	--	--
6/15/98	--	--	2.48	--	4.80	--	--	--	--	590	315	--	--	--	--
9/30/98	--	--	3.06	--	--	--	--	--	--	33	345	--	--	--	--
12/28/98	--	--	3.42	--	7.20	--	--	--	--	83	297	--	--	--	--
3/22/99	--	--	3.88	--	--	--	--	--	--	2.10	330	--	0.98	--	--
6/9/99	--	--	3.29	--	0.20	--	--	--	--	0.47	320	--	--	--	--

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	1,2 DCE
	(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)	(µg/l)
U-6 continued															
9/8/99	--	--	3.12	--	5.59	--	--	--	--	0.140	305	--	--	--	--
12/7/99	--	--	3.44	--	--	--	--	--	--	0.260	443	--	--	--	--
3/13/00	--	--	--	--	0.26	--	--	--	--	0.79	222	--	--	--	--
6/21/00	--	--	3.27	--	--	--	--	--	--	1.90	159	--	--	--	--
9/27/00	--	--	3.49	--	--	--	--	--	--	2.60	170	--	--	--	--
12/12/00	--	--	3.06	--	2.70	--	--	--	--	--	128	--	--	--	--
6/6/01	--	--	2.46	--	0.15	--	--	--	--	0.474	97	--	0.70	--	--
9/24/01	--	ND<100	3.10	--	0.58	ND<100	ND<2000	ND<100	ND<100	ND<0.10	123	--	--	ND<40000	ND<100
12/10/01	--	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	ND<5.0
3/11/02	--	ND<8.0	3.03	--	ND<0.50	ND<8.0	ND<400	ND<8.0	ND<8.0	1.20	128	--	0.089	ND<2000	ND<8.0
6/4/02	--	--	2.84	--	ND<0.50	--	--	--	--	ND<0.10	97	--	ND<1.0	--	--
9/3/02	--	ND<40	3.12	--	0.58	ND<40	ND<2000	ND<40	ND<40	ND<0.10	110	--	1.10	ND<10000	ND<40
12/3/02	--	ND<20	2.96	--	ND<1.0	ND<20	ND<1000	ND<20	ND<20	1.20	95	--	2.60	ND<5000	ND<20
3/4/03	--	ND<40	0.30	--	ND<1.0	ND<40	ND<2000	ND<40	ND<40	20	-112	--	ND<1.0	ND<10000	ND<40
6/18/03	--	ND<40	--	3.20	ND<1.0	ND<40	ND<2000	ND<40	ND<40	3.20	-15	--	2.0	ND<10000	ND<40
9/24/03	--	ND<400	--	--	ND<1.0	ND<400	ND<20000	ND<400	ND<400	1.4	-12	--	4.6	ND<100000	ND<400
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	--



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

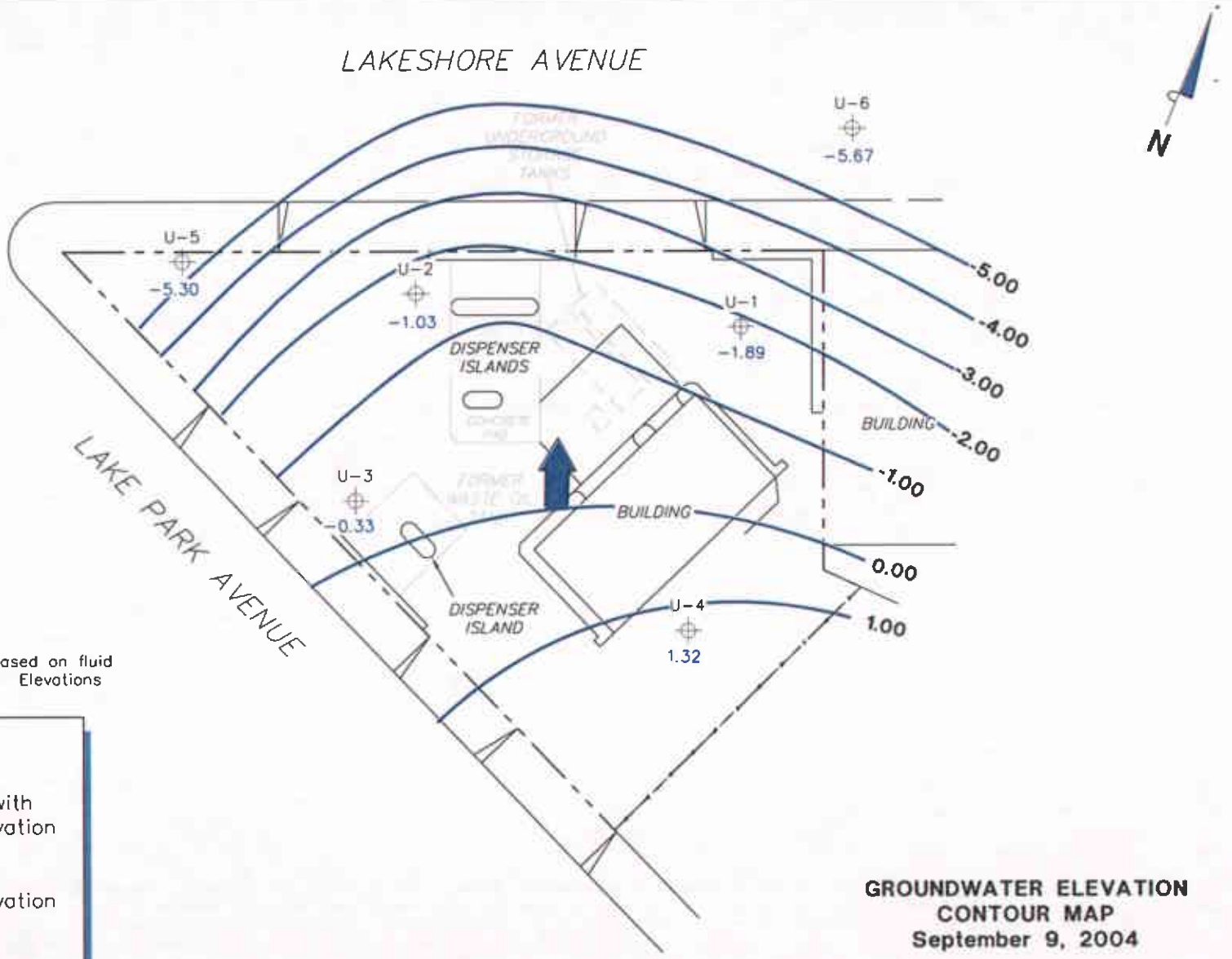
76 Station 5325
3220 Lakeshore Avenue
Oakland, California

TRC

FIGURE 1

PS = 1:1

Graphics on Irt1(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.

LEGEND

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

1.00 —— Groundwater Elevation Contour

General Direction of Groundwater Flow

SCALE (FEET)

0 40

GROUNDWATER ELEVATION CONTOUR MAP
September 9, 2004

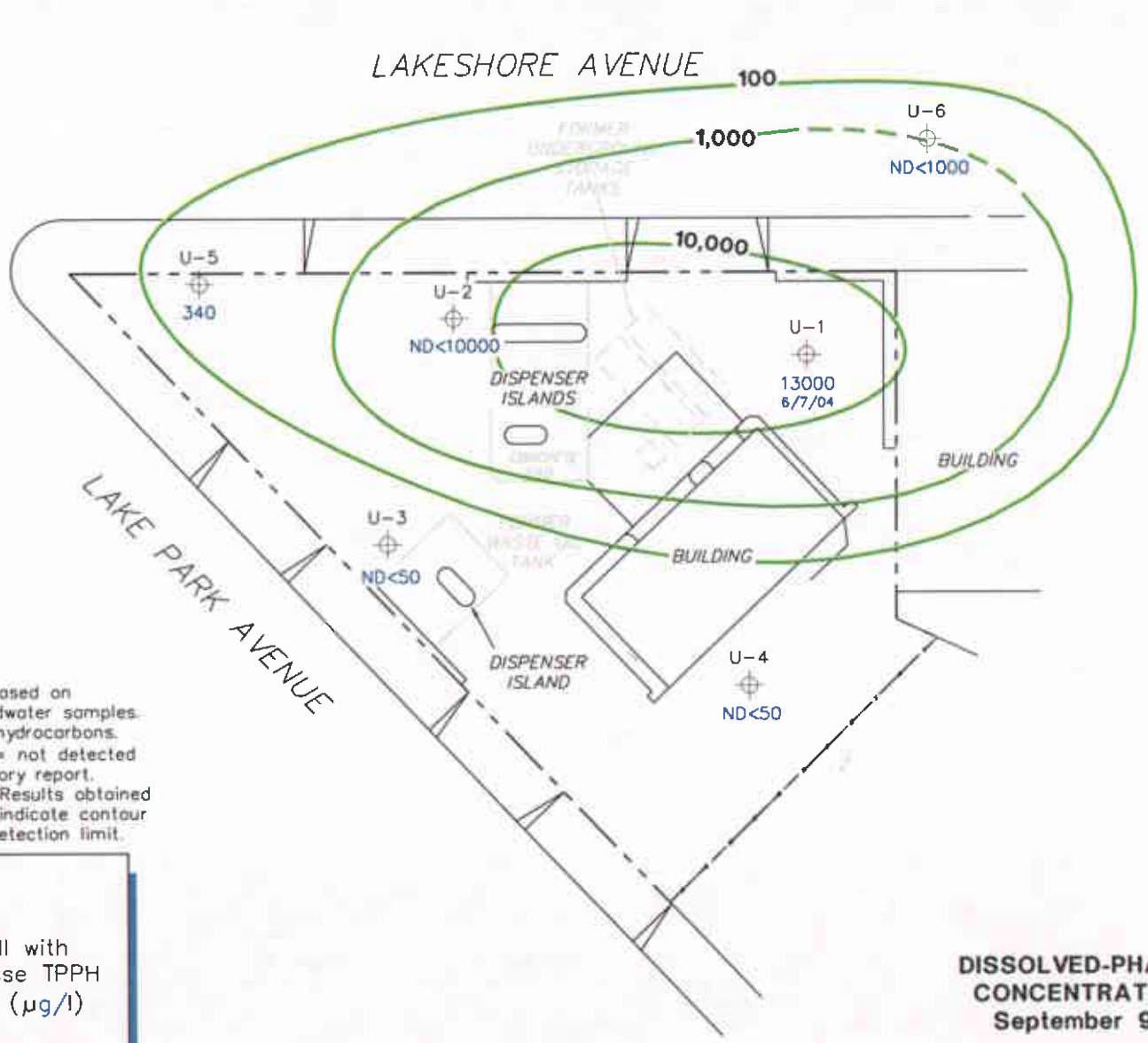
76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 2

TRC

PS=1:1 5325-003

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\5325+\5325qms.dwg 9/9/04 blw



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPPH = total purgeable petroleum hydrocarbons. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B. Dashes indicate contour based on non-detect at elevated detection limit.

LEGEND

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

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

TRC

SCALE (FEET)

0 40

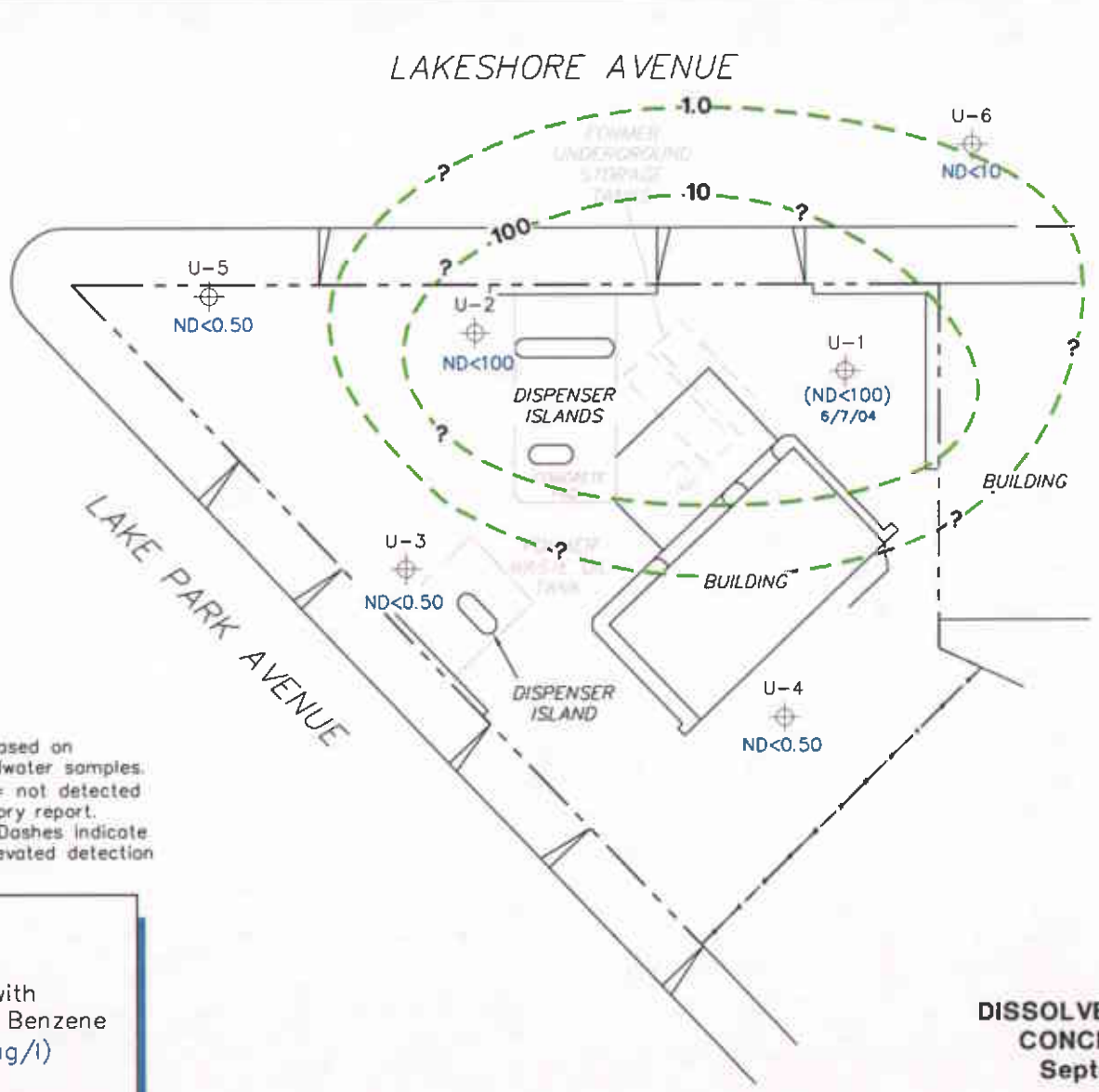
DISSOLVED-PHASE TPPH CONCENTRATION MAP
September 9, 2004

76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 3

PS=1:1 5325-003

Graphics on lr1(l:)\GRAPHICS\Projects By...\20-xxxx\20-0400\5325+\5325qms.dwg 9/9/04 blw



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Dashes indicate contour based on non-detect at elevated detection limit.

LEGEND

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

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

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
September 9, 2004

76 Station 5325
3220 Lakeshore Avenue
Oakland, California

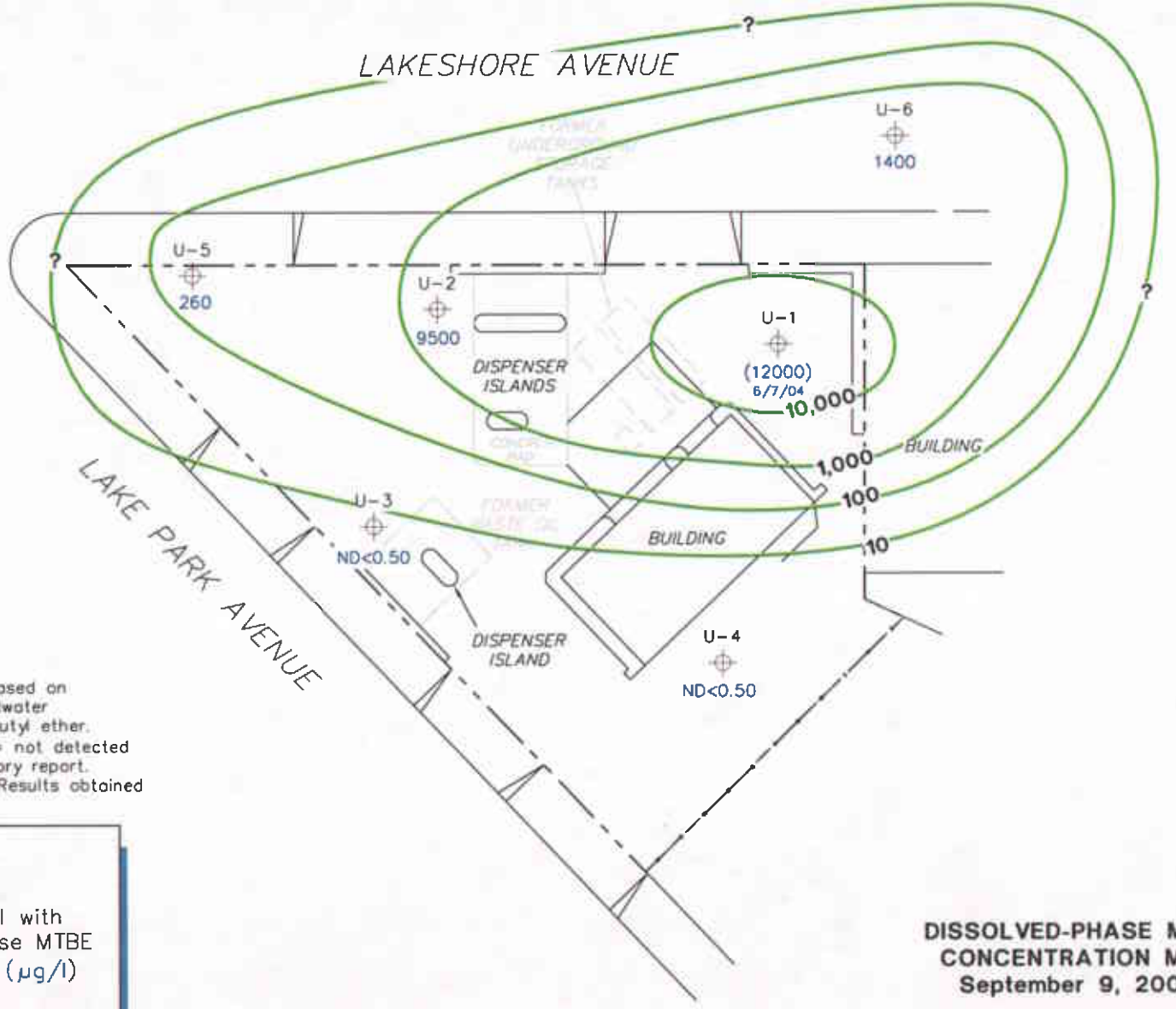
SCALE (FEET)
0 40

FIGURE 4

TRC

PS=1:1 5325-003

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\5325+\5325qms.dwg 9/9/04 blw



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

SCALE (FEET)

0 40

PS=1:1 5325-003

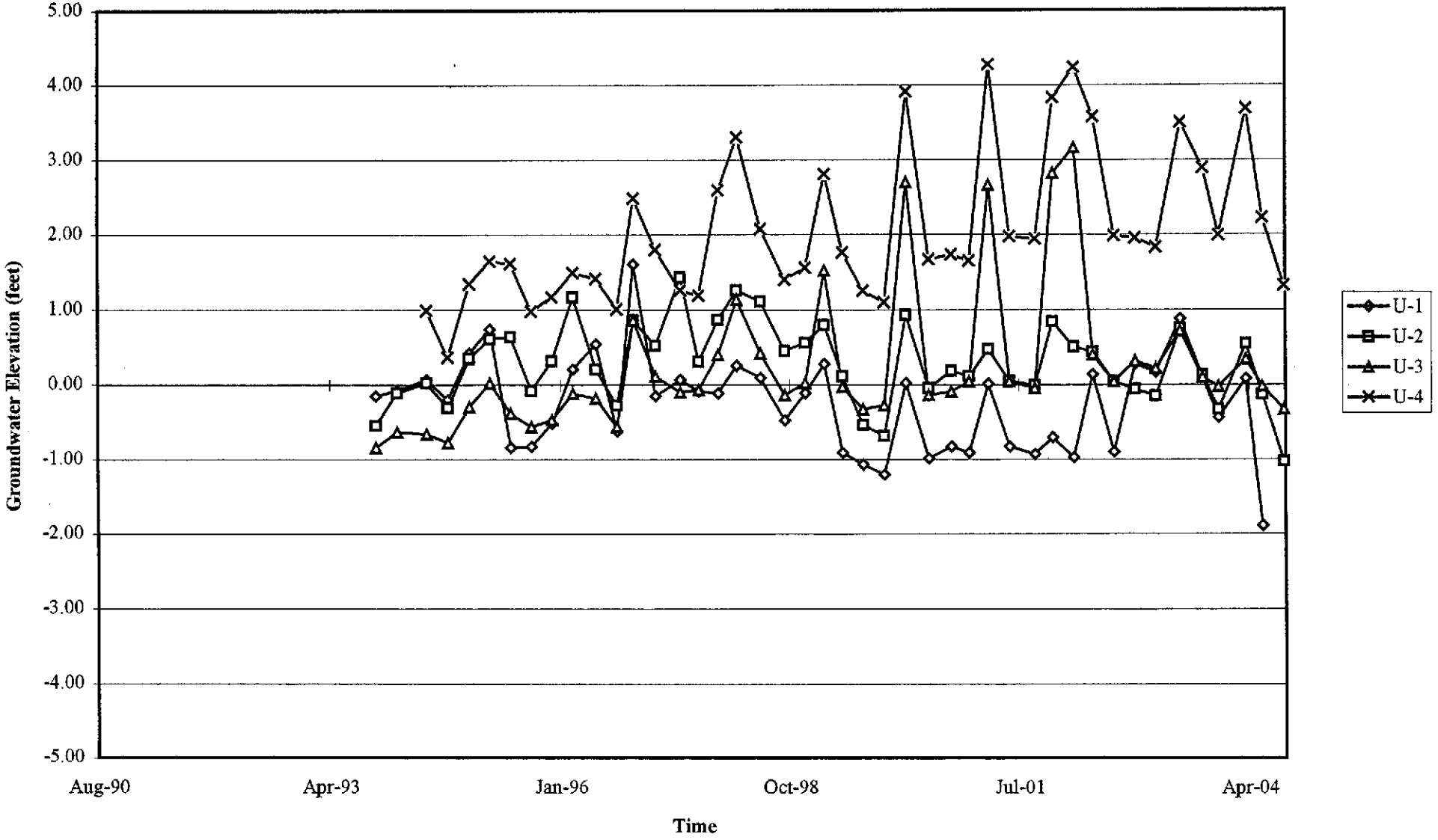
DISSOLVED-PHASE MTBE CONCENTRATION MAP
September 9, 2004

76 Station 5325
3220 Lakeshore Avenue
Oakland, California

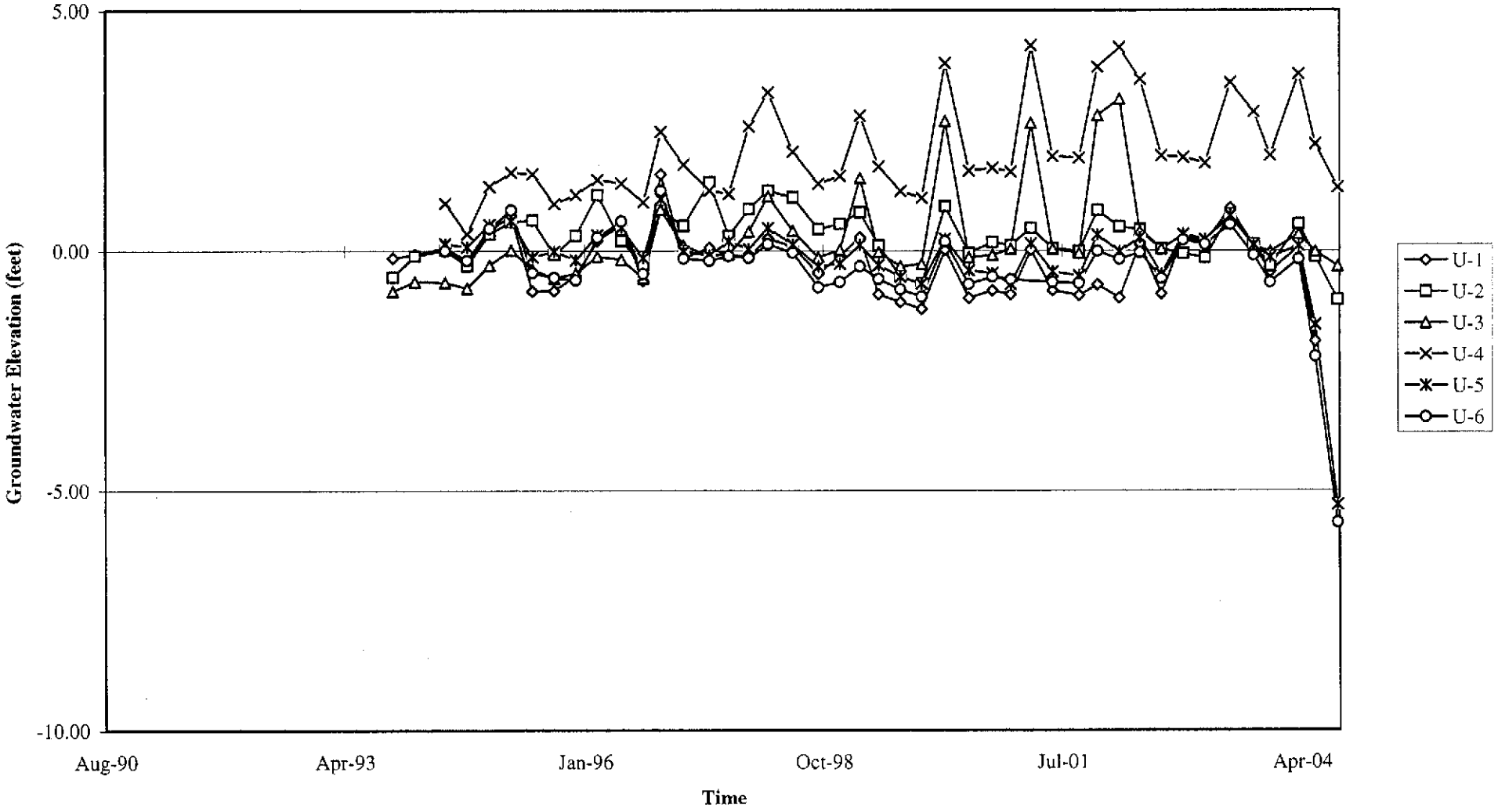
FIGURE 5

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\5325+\5325gms.dwg 9/9/04 blw

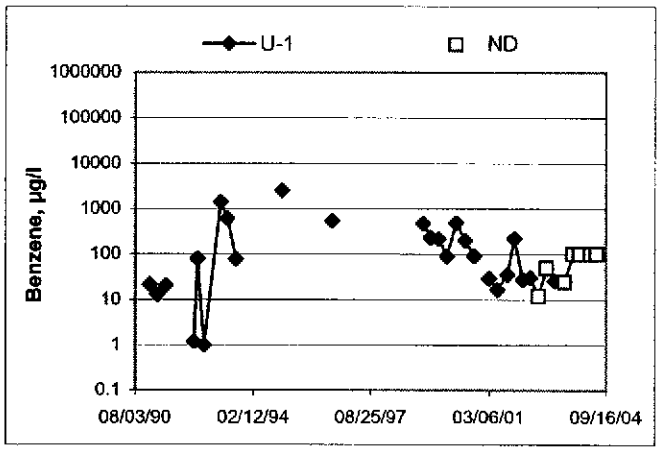
Groundwater Elevations vs. Time
76 Station 5325

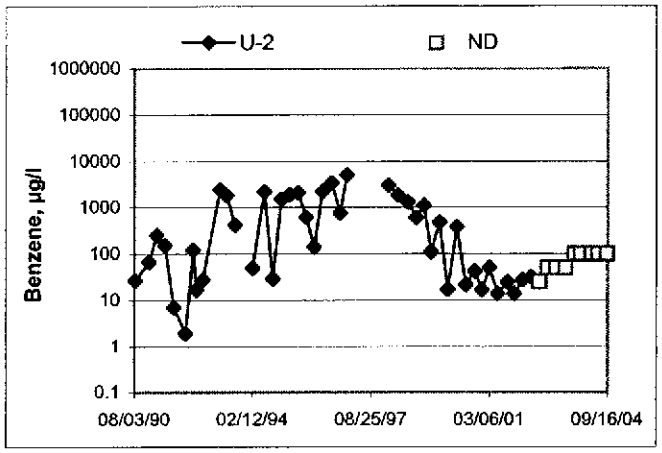


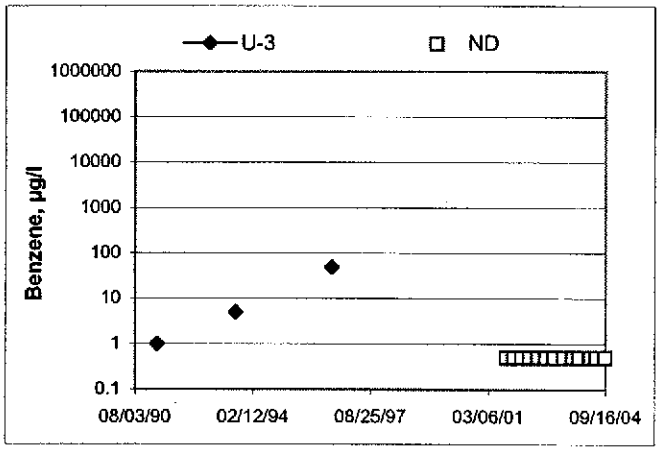
Groundwater Elevations vs. Time
76 Station 5325

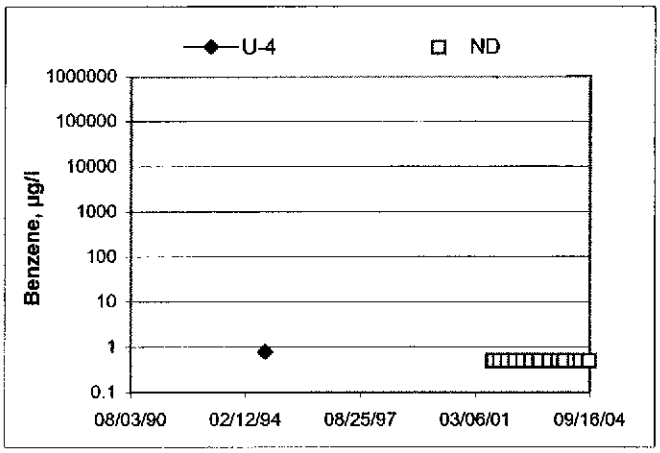


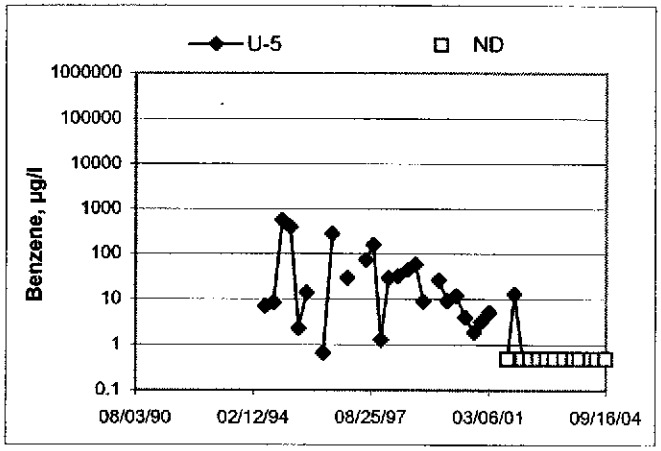
Benzene Concentrations vs Time
76 Station 5325

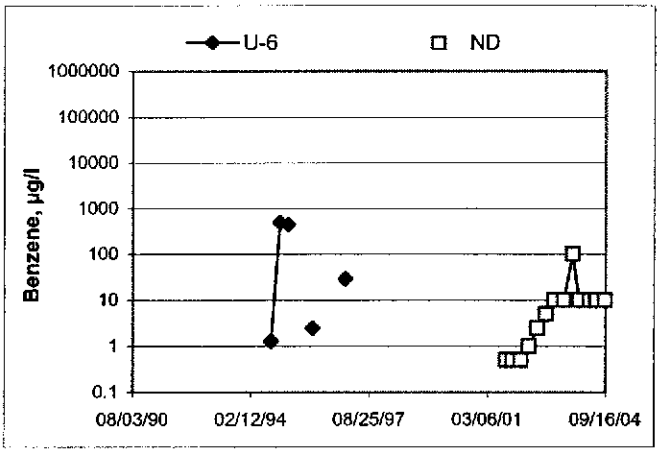












GENERAL FIELD PROCEDURES

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

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

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

Sequence of Gauging, Purging, and Sampling

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

Decontamination

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

Exceptions

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

FIELD MONITORING DATA SHEET

Technician: J. KEARNS Job #/Task #: 4105000 / FA20 Date: 9/9/04

Site # 5325 Project Manager _____ 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-3	✓	0507	19.35	11.31	∅	∅	0800	3" NO BOLTS
U-4		0514	20.10	9.83	∅	∅	0750	4" CAP MISSING
U-5		0519	19.80	12.28	∅	∅	0653	4"
U-6		0658	22.64	12.81	∅	∅	0715	1/2 BOLTS MISSING INACCESSIBLE DUE TO CONSTRUCTION
U-1		0522	13.21	DRY	—	—	N/S	3" DRY 1/2 BOLTS MISSING
U-2	✓	0525	19.56	8.65	∅	∅	0740	3"

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

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: J. KFAHS Date: 9/9/04

Project No.: 41058001

Site: 5325

Well No.: U-4

Depth to Water (feet): 9.83

Total Depth (feet): 21.10

Water Column (feet): 11.27

80% Recharge Depth (feet): 12.08

Purge Method: DIA

Depth to Product (feet): Ø

LPH & Water Recovered (gallons): Ø

Casing Diameter (Inches): 4

1 Well Volume (gallons): 4

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	ORP Turbidity	D.O.
0557			4	887	20.9	7.67	-26	4.25
			8	807	22.5	7.61	-16	4.15
	0602		12	811	22.2	7.59	-8	4.09

Static at Time Sampled: 14.71

Total Gallons Purged: 12

Time Sampled: 0752

Comments:

Well No.: U-5

Depth to Water (feet): 12.28

Total Depth (feet): 19.80

Water Column (feet): 7.52

80% Recharge Depth (feet): 13.78

Purge Method: DIA

Depth to Product (feet): Ø

LPH & Water Recovered (gallons): Ø

Casing Diameter (Inches): 4

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	ORP Turbidity	D.O
0629			3	5.30 m/s	19.5	6.87	-41	2.58
			6	5.01 m/s	20.2	6.88	-59	2.49
			9	5.33 m/s	20.1	6.89	-67	2.38
	0634							

Static at Time Sampled: 13.70

Total Gallons Purged: 9

Time Sampled: 0653

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: J. KEALY

Date: 9/1/04

Project No.: 41050001

Site: 5324

Well No.: H-6

Depth to Water (feet): 12.81

Total Depth (feet): 22.64

Water Column (feet): 9.83

80% Recharge Depth (feet): 14.78

Purge Method: DIA

Depth to Product (feet): Ø

LPH & Water Recovered (gallons): Ø

Casing Diameter (Inches): 2"

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	ORP Turbidity	D.O.
0701			2	2.96 -6	18.3	7.66	-89	2.96
			4	2.92	18.3	7.72	4r	2.89
	0706		6	2.92	18.3	7.74	4r	2.84

Static at Time Sampled: 14.75

Total Gallons Purged: 6

Time Sampled: 0715

Comments:

Well No.: _____

Depth to Water (feet): _____

Total Depth (feet): _____

Water Column (feet): _____

80% Recharge Depth (feet): _____

Purge Method: _____

Depth to Product (feet): _____

LPH & Water Recovered (gallons): _____

Casing Diameter (Inches): _____

1 Well Volume (gallons): _____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.

Static at Time Sampled: _____

Total Gallons Purged: _____

Time Sampled: _____

Comments:

SEVERN TRENT STL

Submission#: 2004-09-0233

TRC Alton Geoscience- Irvine

September 27, 2004

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 09/09/2004 08:55
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 10/24/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission: 2004-09-0233

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: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-3	09/09/2004 08:00	Water	1
U-4	09/09/2004 07:50	Water	2
U-5	09/09/2004 06:53	Water	3
U-6	09/09/2004 07:15	Water	4
U-2	09/09/2004 07:40	Water	5

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: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Prep(s): 5030B
Sample ID: **U-3**
Sampled: 09/09/2004 08:00
Matrix: Water

Test(s): 8260FAB
Lab ID: 2004-09-0233 - 1
Extracted: 9/20/2004 14:06
QC Batch#: 2004/09/20-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/20/2004 14:06	
Benzene	ND	0.50	ug/L	1.00	09/20/2004 14:06	
Toluene	ND	0.50	ug/L	1.00	09/20/2004 14:06	
Ethylbenzene	ND	0.50	ug/L	1.00	09/20/2004 14:06	
Total xylenes	ND	1.0	ug/L	1.00	09/20/2004 14:06	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/20/2004 14:06	
Ethanol	ND	50	ug/L	1.00	09/20/2004 14:06	
Surrogate(s)						
1,2-Dichloroethane-d4	102.0	72-128	%	1.00	09/20/2004 14:06	
Toluene-d8	102.1	80-113	%	1.00	09/20/2004 14:06	

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: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**U-4**	Lab ID:	2004-09-0233 - 2
Sampled:	09/09/2004 07:50	Extracted:	9/20/2004 08:31
Matrix:	Water	QC Batch#:	2004/09/20-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/20/2004 08:31	
Benzene	ND	0.50	ug/L	1.00	09/20/2004 08:31	
Toluene	ND	0.50	ug/L	1.00	09/20/2004 08:31	
Ethylbenzene	ND	0.50	ug/L	1.00	09/20/2004 08:31	
Total xylenes	ND	1.0	ug/L	1.00	09/20/2004 08:31	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/20/2004 08:31	
Ethanol	ND	50	ug/L	1.00	09/20/2004 08:31	
Surrogate(s)						
1,2-Dichloroethane-d4	99.8	72-128	%	1.00	09/20/2004 08:31	
Toluene-d8	99.6	80-113	%	1.00	09/20/2004 08:31	

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: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**U-5**	Lab ID:	2004-09-0233 - 3
Sampled:	09/09/2004 06:53	Extracted:	9/20/2004 08:54 9/20/2004 14:28
Matrix:	Water	QC Batch#:	2004/09/20-1B.64 2004/09/20-1B.64

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	340	50	ug/L	1.00	09/20/2004 08:54	
Benzene	ND	0.50	ug/L	1.00	09/20/2004 08:54	
Toluene	ND	0.50	ug/L	1.00	09/20/2004 08:54	
Ethylbenzene	ND	0.50	ug/L	1.00	09/20/2004 08:54	
Total xylenes	ND	1.0	ug/L	1.00	09/20/2004 08:54	
tert-Butyl alcohol (TBA)	130	5.0	ug/L	1.00	09/20/2004 08:54	
Methyl tert-butyl ether (MTBE)	260	0.50	ug/L	1.00	09/20/2004 14:28	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/20/2004 08:54	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/20/2004 08:54	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/20/2004 08:54	
1,2-DCA	ND	0.50	ug/L	1.00	09/20/2004 08:54	
EDB	ND	0.50	ug/L	1.00	09/20/2004 08:54	
Ethanol	ND	50	ug/L	1.00	09/20/2004 08:54	
Surrogate(s)						
1,2-Dichloroethane-d4	100.0	72-128	%	1.00	09/20/2004 08:54	
Toluene-d8	101.7	80-113	%	1.00	09/20/2004 08:54	

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: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Prep(s): 5030B
Test(s): 8260FAB
Sample ID: **U-6**
Lab ID: 2004-09-0233 - 4
Sampled: 09/09/2004 07:15
Extracted: 9/20/2004 09:16
Matrix: Water
QC Batch#: 2004/09/20-1B.64
Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	09/20/2004 09:16	
Benzene	ND	10	ug/L	20.00	09/20/2004 09:16	
Toluene	ND	10	ug/L	20.00	09/20/2004 09:16	
Ethylbenzene	ND	10	ug/L	20.00	09/20/2004 09:16	
Total xylenes	ND	20	ug/L	20.00	09/20/2004 09:16	
tert-Butyl alcohol (TBA)	1900	100	ug/L	20.00	09/20/2004 09:16	
Methyl tert-butyl ether (MTBE)	1400	10	ug/L	20.00	09/20/2004 09:16	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	20.00	09/20/2004 09:16	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	20.00	09/20/2004 09:16	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	20.00	09/20/2004 09:16	
1,2-DCA	ND	10	ug/L	20.00	09/20/2004 09:16	
EDB	ND	10	ug/L	20.00	09/20/2004 09:16	
Ethanol	ND	1000	ug/L	20.00	09/20/2004 09:16	
Surrogate(s)						
1,2-Dichloroethane-d4	99.9	72-128	%	20.00	09/20/2004 09:16	
Toluene-d8	103.1	80-113	%	20.00	09/20/2004 09:16	

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: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Prep(s): 5030B
Sample ID: **U-2**
Sampled: 09/09/2004 07:40
Matrix: Water

Test(s): 8260FAB
Lab ID: 2004-09-0233 - 5
Extracted: 9/20/2004 09:38
QC Batch#: 2004/09/20-1B.64

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	10000	ug/L	200.00	09/20/2004 09:38	
Benzene	ND	100	ug/L	200.00	09/20/2004 09:38	
Toluene	ND	100	ug/L	200.00	09/20/2004 09:38	
Ethylbenzene	ND	100	ug/L	200.00	09/20/2004 09:38	
Total xylenes	ND	200	ug/L	200.00	09/20/2004 09:38	
tert-Butyl alcohol (TBA)	2700	1000	ug/L	200.00	09/20/2004 09:38	
Methyl tert-butyl ether (MTBE)	9500	100	ug/L	200.00	09/20/2004 09:38	
Di-isopropyl Ether (DIPE)	ND	200	ug/L	200.00	09/20/2004 09:38	
Ethyl tert-butyl ether (ETBE)	ND	100	ug/L	200.00	09/20/2004 09:38	
tert-Amyl methyl ether (TAME)	ND	100	ug/L	200.00	09/20/2004 09:38	
1,2-DCA	ND	100	ug/L	200.00	09/20/2004 09:38	
EDB	ND	100	ug/L	200.00	09/20/2004 09:38	
Ethanol	ND	10000	ug/L	200.00	09/20/2004 09:38	
Surrogate(s)						
1,2-Dichloroethane-d4	102.2	72-128	%	200.00	09/20/2004 09:38	
Toluene-d8	105.0	80-113	%	200.00	09/20/2004 09:38	

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: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260FAB
QC Batch # 2004/09/20-1B.64

MB: 2004/09/20-1B.64-031

Date Extracted: 09/20/2004 07:31

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/20/2004 07:31	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/20/2004 07:31	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/20/2004 07:31	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	09/20/2004 07:31	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	09/20/2004 07:31	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	09/20/2004 07:31	
1,2-DCA	ND	0.5	ug/L	09/20/2004 07:31	
EDB	ND	0.5	ug/L	09/20/2004 07:31	
Benzene	ND	0.5	ug/L	09/20/2004 07:31	
Toluene	ND	0.5	ug/L	09/20/2004 07:31	
Ethylbenzene	ND	0.5	ug/L	09/20/2004 07:31	
Total xylenes	ND	1.0	ug/L	09/20/2004 07:31	
Ethanol	ND	50	ug/L	09/20/2004 07:31	
Surrogates(s)					
1,2-Dichloroethane-d4	101.2	72-128	%	09/20/2004 07:31	
Toluene-d8	100.4	80-113	%	09/20/2004 07:31	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2004/09/20-1B.64**

LCS 2004/09/20-1B.64-046 Extracted: 09/20/2004 Analyzed: 09/20/2004 06:46
LCSD 2004/09/20-1B.64-009 Extracted: 09/20/2004 Analyzed: 09/20/2004 07:09

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.2	26.6	25	100.8	106.4	5.4	65-165	20		
Benzene	28.6	29.6	25	114.4	118.4	3.4	69-129	20		
Toluene	29.6	31.2	25	118.4	124.8	5.3	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	460	472	500	92.0	94.4		72-128			
Toluene-d8	521	515	500	104.2	103.0		80-113			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
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21 Technology Drive
Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips #5325

Received: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/09/20-1B.64**

U-3 >> MS

Lab ID: 2004-09-0233 - 001

MS: 2004/09/20-1B.64-023 Extracted: 09/20/2004 Analyzed: 09/20/2004 10:23
Dilution: 1.00

MSD: 2004/09/20-1B.64-045 Extracted: 09/20/2004 Analyzed: 09/20/2004 10:45
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	28.1	28.0	ND	25	112.4	112.0	0.4	69-129	20		
Toluene	28.4	28.0	ND	25	113.6	112.0	1.4	70-130	20		
Methyl tert-butyl ether	26.6	26.1	ND	25	106.4	104.4	1.9	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	495	488		500	99.0	97.6		72-128			
Toluene-d8	513	494		500	102.6	98.8		80-113			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #5325

Received: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Legend and Notes

Analysis Flag

o

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

SEVERN TRENT STL

Submission: 2004-09-0233

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: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-3	09/09/2004 08:00	Water	1
U-4	09/09/2004 07:50	Water	2
U-5	09/09/2004 06:53	Water	3
U-6	09/09/2004 07:15	Water	4
U-2	09/09/2004 07:40	Water	5

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: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**U-3**	Lab ID:	2004-09-0233 - 1
Sampled:	09/09/2004 08:00	Extracted:	9/9/2004 10:00
Matrix:	Water	QC Batch#:	2004/09/09-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	16	1.0	mg/L	1.00	09/09/2004 10:38	
Orthophosphate	1.2	1.0	mg/L	1.00	09/09/2004 10:38	

Misc Anions by Ion Chromatograph

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

Received: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Prep(s): 300.0/9056
Test(s): 300.0/9056
Sample ID: **U-4**
Lab ID: 2004-09-0233 - 2
Sampled: 09/09/2004 07:50
Extracted: 9/9/2004 10:00
Matrix: Water
QC Batch#: 2004/09/09-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	22	1.0	mg/L	1.00	09/09/2004 10:56	
Orthophosphate	ND	1.0	mg/L	1.00	09/09/2004 10:56	

Misc Anions by Ion Chromatograph

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

Received: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**U-5**	Lab ID:	2004-09-0233 - 3
Sampled:	09/09/2004 06:53	Extracted:	9/9/2004 10:00
Matrix:	Water	QC Batch#:	2004/09/09-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	09/09/2004 11:14	
Orthophosphate	ND	1.0	mg/L	1.00	09/09/2004 11:14	

Misc Anions by Ion Chromatograph

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Attn.: Anju Farfan

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

Received: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Prep(s): 300.0/9056
Sample ID: **U-6**
Sampled: 09/09/2004 07:15
Matrix: Water

Test(s): 300.0/9056
Lab ID: 2004-09-0233 - 4
Extracted: 9/9/2004 10:00
QC Batch#: 2004/09/09-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	09/09/2004 11:32	
Orthophosphate	3.8	1.0	mg/L	1.00	09/09/2004 11:32	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

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Project: 41050001FA20
Conoco Phillips #5325

Received: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**U-2**	Lab ID:	2004-09-0233 - 5
Sampled:	09/09/2004 07:40	Extracted:	9/9/2004 10:00
Matrix:	Water	QC Batch#:	2004/09/09-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	09/09/2004 11:50	
Orthophosphate	5.9	1.0	mg/L	1.00	09/09/2004 11:50	

Misc Anions by Ion Chromatograph

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Project: 41050001FA20
Conoco Phillips #5325

Received: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 300.0/9056
Method Blank

Water

Test(s): 300.0/9056
QC Batch # 2004/09/09-01.41

MB: 2004/09/09-01.41-001

Date Extracted: 09/09/2004 09:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Nitrate	ND	1.0	mg/L	09/09/2004 09:44	
Orthophosphate	ND	1.0	mg/L	09/09/2004 09:44	

Misc Anions by Ion Chromatograph

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Project: 41050001FA20
Conoco Phillips #5325

Received: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 300.0/9056

Test(s): 300.0/9056

Laboratory Control Spike **Water** **QC Batch # 2004/09/09-01.41**

LCS 2004/09/09-01.41-002 Extracted: 09/09/2004 Analyzed: 09/09/2004 10:02
LCSD 2004/09/09-01.41-003 Extracted: 09/09/2004 Analyzed: 09/09/2004 10:20

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Nitrate	19.0	19.0	20.0	95.0	95.0	0.0	80-120	20		
Orthophosphate	19.5	19.7	20.0	97.5	98.5	1.0	80-120	20		

SEVERN TRENT STL

Submission: 2004-09-0233

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: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-3	09/09/2004 08:00	Water	1
U-4	09/09/2004 07:50	Water	2
U-5	09/09/2004 06:53	Water	3
U-6	09/09/2004 07:15	Water	4
U-2	09/09/2004 07:40	Water	5

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: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Prep(s): 3500 Fe B
Sample ID: **U-3**
Sampled: 09/09/2004 08:00
Matrix: Water

Test(s): SM 3500-Fe B
Lab ID: 2004-09-0233 - 1
Extracted: 9/9/2004 19:00
QC Batch#: 2004/09/09-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	ND	0.010	mg/L	1.00	09/09/2004 19:10	

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: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**U-4**	Lab ID:	2004-09-0233 - 2
Sampled:	09/09/2004 07:50	Extracted:	9/9/2004 19:00
Matrix:	Water	QC Batch#:	2004/09/09-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	ND	0.010	mg/L	1.00	09/09/2004 19:10	

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**U-5**	Lab ID:	2004-09-0233 - 3
Sampled:	09/09/2004 06:53	Extracted:	9/9/2004 19:00
Matrix:	Water	QC Batch#:	2004/09/09-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	4.1	0.25	mg/L	25.00	09/09/2004 19:10	

Ferrous Iron by SM 3500-Fe B

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

Received: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Prep(s): 3500 Fe B
Sample ID: **U-6**
Sampled: 09/09/2004 07:15
Matrix: Water

Test(s): SM 3500-Fe B
Lab ID: 2004-09-0233 - 4
Extracted: 9/9/2004 19:00
QC Batch#: 2004/09/09-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	0.87	0.050	mg/L	5.00	09/09/2004 19:10	

Ferrous Iron by SM 3500-Fe B

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**U-2**	Lab ID:	2004-09-0233 - 5
Sampled:	09/09/2004 07:40	Extracted:	9/9/2004 19:00
Matrix:	Water	QC Batch#:	2004/09/09-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	0.93	0.050	mg/L	5.00	09/09/2004 19:10	

Ferrous Iron by SM 3500-Fe B

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 09/09/2004 08:55

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 3500 Fe B
Method Blank
MB: 2004/09/09-01.72-001

Water

Test(s): SM 3500-Fe B
QC Batch # 2004/09/09-01.72
Date Extracted: 09/09/2004 19:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Iron	ND	0.01	mg/L	09/09/2004 19:10	

Ferrous Iron by SM 3500-Fe B

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 09/09/2004 08:55

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 # 2004/09/09-01.72**

LCS 2004/09/09-01.72-002 Extracted: 09/09/2004 Analyzed: 09/09/2004 19:10
LCSD 2004/09/09-01.72-003 Extracted: 09/09/2004 Analyzed: 09/09/2004 19:10

Compound	Conc.	mg/L	Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Iron	0.110	0.110	0.1	110.0	110.0	0.0	80-120	20		

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 09/09/2004 08:55

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 # 2004/09/09-01.72**

U-3 >> MS

Lab ID: 2004-09-0233 - 001

MS: 2004/09/09-01.72-004 Extracted: 09/09/2004 Analyzed: 09/09/2004 19:10

Dilution: 1.00

MSD: 2004/09/09-01.72-005 Extracted: 09/09/2004 Analyzed: 09/09/2004 19:10

Dilution: 1.00

Compound	Conc. mg/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Iron	0.1	0.110	ND	0.1	100.0	110.0	9.5	80-120	20		

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2004- 09 - 0233

Checklist completed by: (initials) JM Date: 09/09/04

Courier name: ☐ STL San Francisco ☑ Client _____

Custody seals intact on shipping container/samples	Yes___	No___	Not Present ✓
Chain of custody present?	Yes ✓	No___	
Chain of custody signed when relinquished and received?	Yes ✓	No___	
Chain of custody agrees with sample labels?	Yes ✓	No___	
Samples in proper container/bottle?	Yes ✓	No___	
Sample containers intact?	Yes ✓	No___	
Sufficient sample volume for indicated test?	Yes ✓	No___	
All samples received within holding time?	Yes ✓	No___	
Container/Temp Blank temperature in compliance (4° C ± 2)? Temp: 2 °C	Yes ✓	No___	
Potential reason for > 6°C: Ice melted ☐ Ice in bags ☐ Not enough ice ☐ Not enough blue ice ☐ Samples in boxes ☐			
Sampled >4hr. ago? ☐ Ice not required (e.g. air or bulk sample) ☐	Ice Present	Yes ✓	No___
Water - VOA vials have zero headspace? No VOA vials submitted___	Yes ✓	No___	

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

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

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

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

Comments:

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

Project Manager: (initials) _____ Date: ____/____/04 Client contacted: ☐ Yes ☐ No

Summary of discussion:

Corrective Action (per PM/Client):

2004-09-0233

ConocoPhillips Chain Of Custody Record

88670

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

ConocoPhillips Site Manager:

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

ConocoPhillips Work Order Number: 1394TRC500

ConocoPhillips Cost Object:

DATE: 9/9/04

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): 3228 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): J. KEARNS	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

24~~48~~ HOUR HOLD TIME

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

"RUN 8 OXYS by 8260 ON ALL 8260 MTBE HITS"

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP	TPHg by 8260B	BTEX + MTBE by 8260B	ETHANOL by 8260B	NITRATE	PHOSPHATE	NAPL SAMPLES							
	U-3	9/9	0800	GW	5									X	X	X	X	X	X							3 VOAs w/HCl
	U-4		0750																							1 POLY
	U-5		0653																							1 AMBER POLY
	U-6		0715																							
	U-2		0740																							

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

2° C

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date: 9/9/04	Time: 0855
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

9/19/03 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.