TRC

Customer-Focused Solutions

February 4, 2005 TRC Project No. 42013701

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

RE: Quarterly Status Report - Fourth 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 Fourth 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

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. All six wells were sampled this quarter. The groundwater gradient and flow direction were 0.03 foot/foot to the northwest.

CHARACTERIZATION STATUS

Total purgeable petroleum hydrocarbons (TPPH) were detected in two of the six sampled wells, at a maximum concentration of 320 micrograms per liter (µg/l) in offsite monitoring well U-6.

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

Methyl tertiary butyl ether (MTBE) was detected in four of the six sampled wells, at a maximum concentration of 11,000 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

December 20, 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

Implement Work Plan for Interim Remedial Measure/Feasibility Study. The Work Plan was submitted to Alameda County Health Services on August 30, 2004.

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
Senior Project Manager

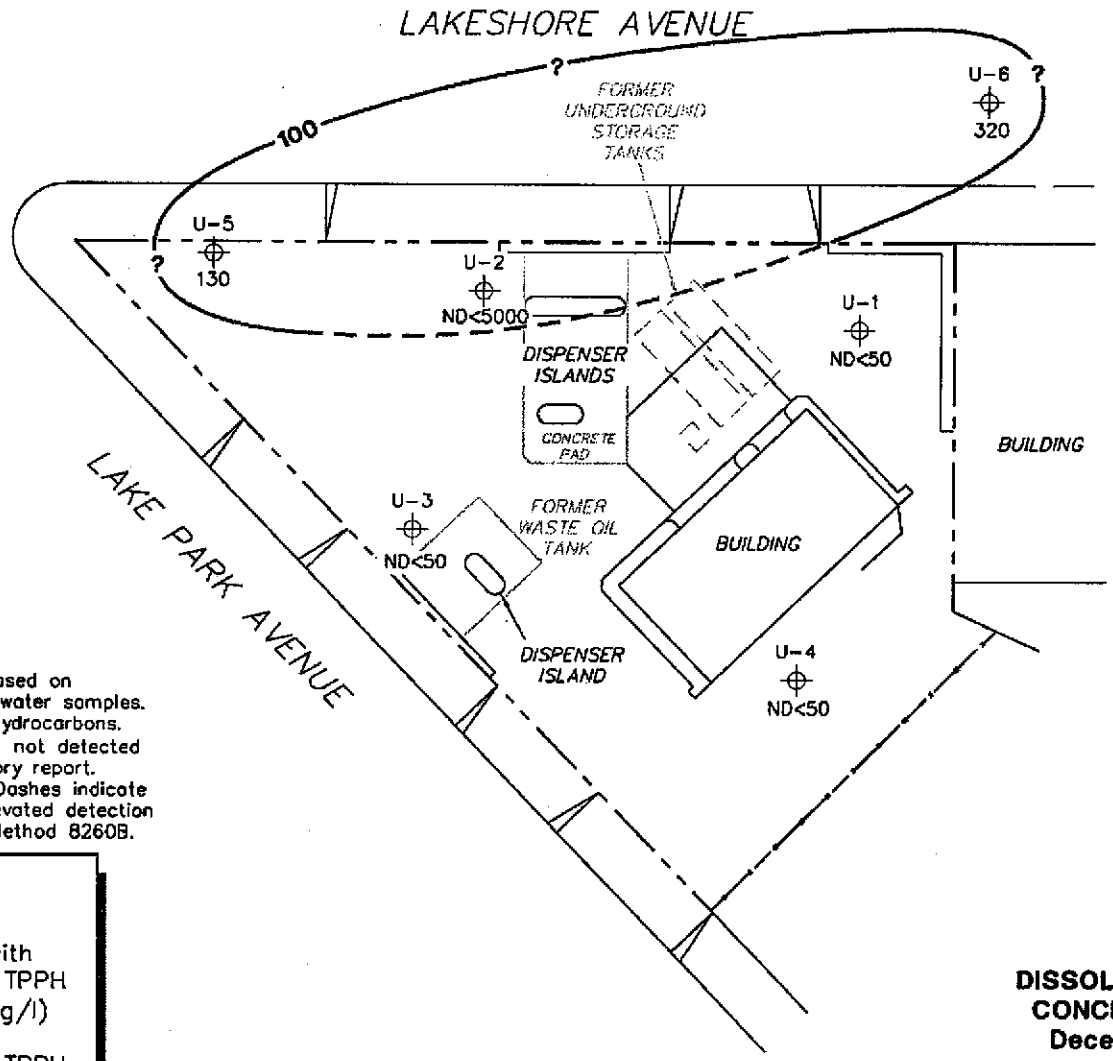
Attachments:

Figure 3 – Dissolved-Phase TPPH Concentration Map, December 20, 2004, from Quarterly Monitoring Report, October through December 2004, dated January 25, 2005 by TRC.

Figure 4 – Dissolved-Phase Benzene Concentration Map, December 20, 2004, from Quarterly Monitoring Report, October through December 2004, dated January 25, 2005 by TRC.

Figure 5 – Dissolved-Phase MTBE Concentration Map, December 20, 2004, from Quarterly Monitoring Report, October through December 2004, dated January 25, 2005 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. Dashes indicate contour based on non-detect at elevated detection limit. Results obtained using EPA Method 8260B.

LEGEND

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

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

TRC

SCALE (FEET)

0 40

DISSOLVED-PHASE TPPH CONCENTRATION MAP
December 20, 2004

76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 3

PS=1:1 5325-003

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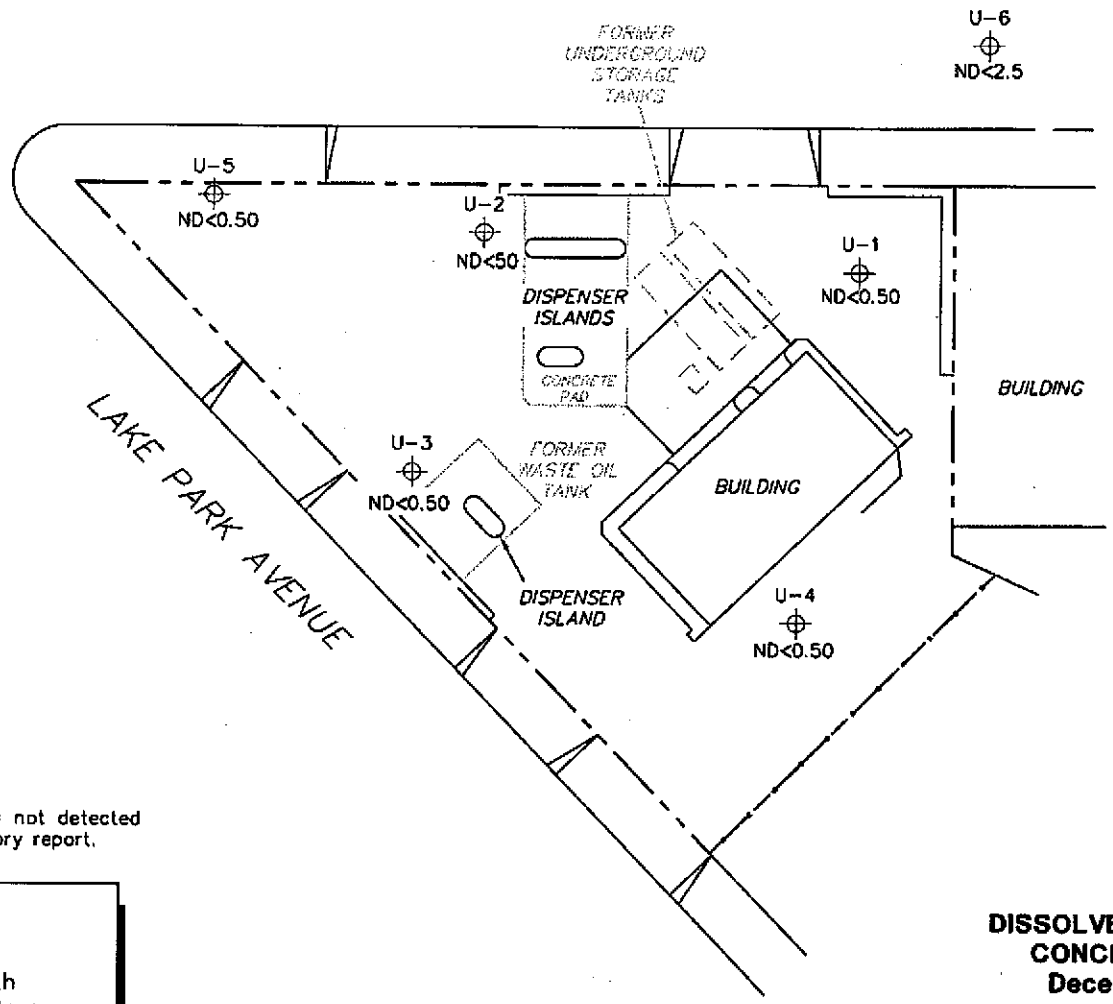

NOTES:

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

LEGEND

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

TRC

PS=1:1 5325-003

SCALE (FEET)

0 40

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
December 20, 2004

76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 4

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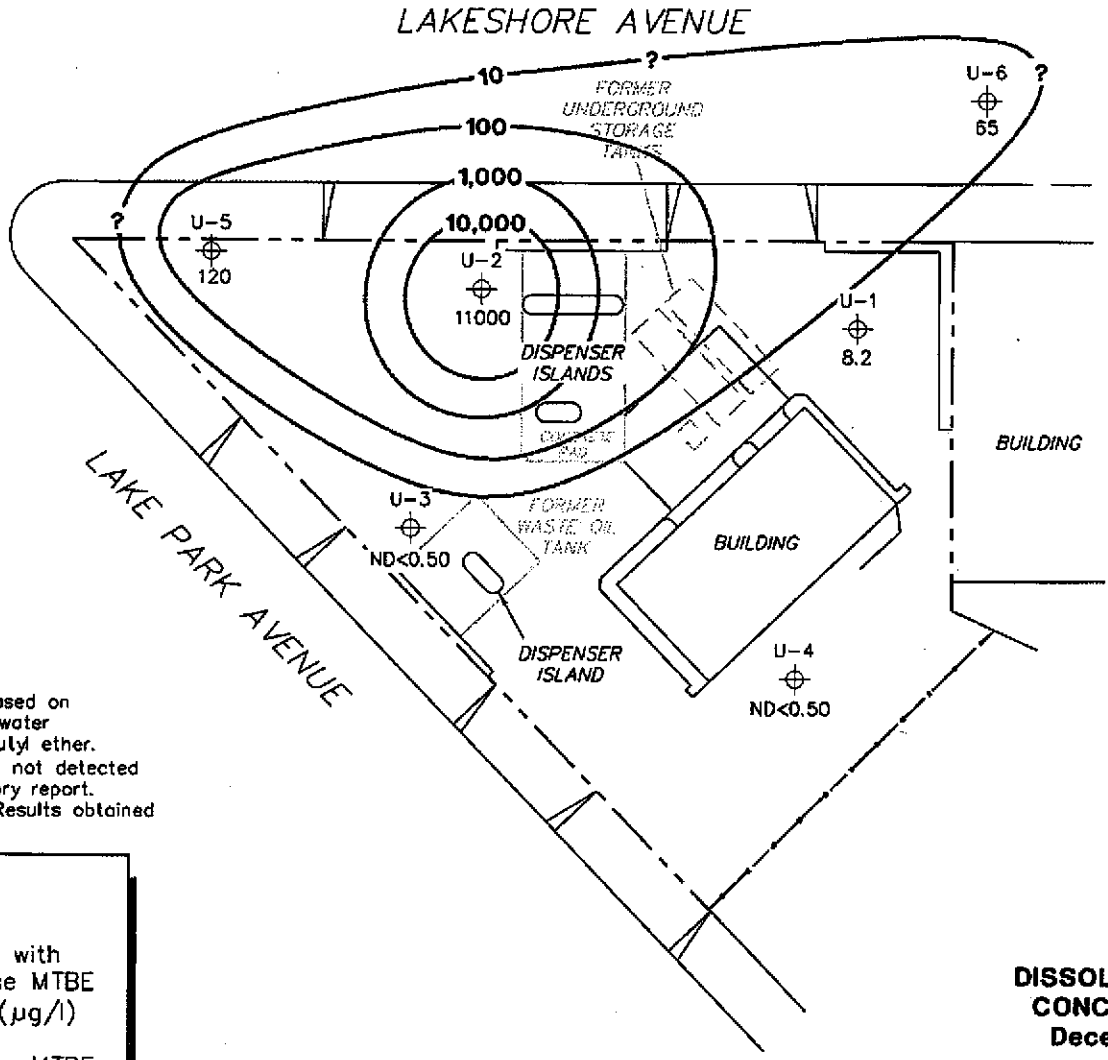

NOTES:

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

LEGEND

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

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

TRC

PS=1:1 5325-003

SCALE (FEET)

0 40

DISSOLVED-PHASE MTBE CONCENTRATION MAP
December 20, 2004

76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 5

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TRC DH R229

Customer-Focused Solutions

April 28, 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
JANUARY THROUGH MARCH 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

Anju Farfan
QMS Operations Manager

CC: Alameda County Health Care Services Division
Barbara Moed, TRC

Enclosures
20-0400/5325R02.QMS

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

TRC

Customer-Focused Solutions

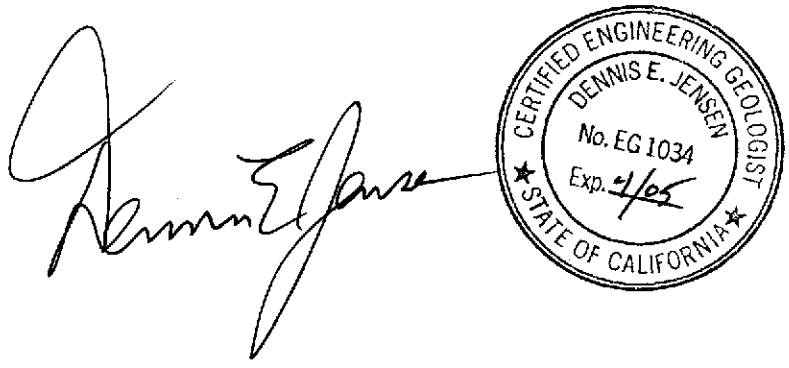
FIRST QUARTER 2004
FLUID LEVEL MONITORING AND
GROUNDWATER SAMPLING REPORT
April 28, 2004

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

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

GROUNDWATER MONITORING REPORT

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Table 1: Summary of Groundwater Levels and Chemical Analysis Results Table 2: Historic Groundwater Levels and Chemical Analysis Results Table 3: Summary of Additional Chemical Analysis Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase Hydrocarbon Concentrations Map
Graphs	Benzene Concentrations vs. Time Hydrographs
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Transport and Disposal Limitations

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

Site Information:

Site:	76 Station 3220 Lakeshore Avenue Oakland, CA
Project Coordinator/Phone Number:	Thomas H. Kosel/916-558-7666
Groundwater wells onsite:	5
Groundwater wells offsite:	1

Field Activity:

Sampling consultant:	TRC
Date(s) sampled:	03/30/04
Groundwater wells gauged:	6
Groundwater wells sampled:	6
Purging method:	diaphragm pump
Treatment/disposal method during sampling event:	Onyx/Rodeo Unit 100
Free product pumpouts other than sampling event:	No
Treatment/Disposal method during free product pumpouts:	N/A

Site Hydrogeology:

Minimum depth to groundwater (feet bgs):	6.88
Maximum depth to groundwater (feet bgs):	10.64
Average groundwater elevation (feet relative to mean sea level):	0.76
Average change in groundwater elevations since previous event (feet):	0.69
Groundwater gradient and flow direction:	0.02 ft/ft, northwest
Previous gradient and/or flow direction (and date):	0.02 ft/ft, north (12/02/03)

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

Wells with benzene concentrations below MCL:	6
Wells with benzene concentrations at or above MCL:	0
Minimum benzene concentration (µg/l):	ND
Maximum benzene concentration (µg/l):	ND
Minimum MTBE concentration (µg/l):	ND
Maximum MTBE concentration (µg/l):	13000
Minimum TPPH concentration (µg/l):	ND
Maximum TPPH concentration (µg/l):	12000 (U-1)
Groundwater wells with free product:	0
Minimum free product thickness (feet):	0
Maximum free product thickness (feet):	0

Additional Information:

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

TABLE KEY

ABBREVIATIONS / SYMBOLS

LPH	=	liquid-phase hydrocarbons
µg/l	=	micrograms per liter
mg/l	=	milligrams per liter
ND	=	not detected at or above laboratory detection limit
DTSC	=	Department of Toxic Substances Control
N/A	=	not applicable
Trace	=	less than 0.01 foot of LPH in well
USTs	=	underground storage tanks
--	=	not analyzed, measured, or collected
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
BTEX	=	benzene, toluene, ethylbenzene, and total xylenes
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TRPH	=	total recoverable petroleum hydrocarbons
MTBE	=	methyl tertiary butyl ether
TAME	=	tertiary amyl methyl ether
ETBE	=	ethyl tertiary butyl ether
DIPE	=	di-isopropyl ether
TBA	=	tertiary butyl alcohol
1,1-DCA	=	1,1-Dichloroethane
1,2-DCA	=	1,2-Dichloroethane
1,1-DCE	=	1,1-Dichloroethene
1,2-DCE	=	cis- and trans-1,2-Dichloroethene
PCE	=	tetrachloroethene
TCA	=	trichloroethane
TCE	=	trichloroethene
PCB	=	polychlorinated biphenyls
TPPH	=	total purgeable petroleum hydrocarbons

NOTES

Elevations are in feet above mean sea level.

Groundwater elevation for wells with LPH is calculated as follows:

Surface elevation – depth to water + (0.75 x LPH thickness).

Concentration Graphs have been modified to plot non-detect results at the reporting limit stated in the official laboratory report. All non-detect results prior to the Second Quarter 2000 were plotted at 0.1 µg/l for graphical display.

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

REFERENCE

TRC began groundwater monitoring and sampling activities in October 2003. Historical data for 76 Station 5325 was provided by Gettler-Ryan Inc., Dublin, California, in an excel table received in September 2003.

Table 1

SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

March 30, 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)**												
03/30/04	8.46	8.38	0.00	0.08	0.52	--	12000	ND<100	ND<100	190	ND<200	--	13000	
U-2		**(Screen Interval in feet: 5.0-20.0)**												
03/30/04	7.62	7.07	0.00	0.55	0.88	--	12000	ND<100	ND<100	ND<100	ND<200	--	11000	
U-3		**(Screen Interval in feet: 5.0-20.0)**												
03/30/04	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	
U-4		**(Screen Interval in feet: 5.0-20.0)**												
03/30/04	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	
U-5		**(Screen Interval in feet: 5.0-20.0)**												
03/30/04	6.98	6.88	0.00	0.10	0.24	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	130	
U-6		**(Screen Interval in feet: 5.0-24.0)**												
03/30/04	7.14	7.32	0.00	-0.18	0.48	--	1200	ND<10	ND<10	ND<10	ND<20	--	1700	

Table 2
HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
August 1990 Through March 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)**													
01/07/91	--	--	--	--	--	250	--	22	16	4.20	17	--	--	
04/01/91	--	--	--	--	--	160	--	13	8.60	1.0	15	--	--	
07/03/91	--	--	--	--	--	140	--	21	4.30	0.36	17	--	--	
10/09/91	--	--	--	--	--	--	--	--	--	--	--	--	--	
02/12/92	--	--	--	--	--	250	--	--	--	--	--	--	--	
05/05/92	--	--	--	--	--	230	--	1.20	--	--	--	--	--	
06/11/92	--	--	--	--	--	1000	--	80	1.40	6.70	41	--	--	
08/20/92	--	--	--	--	--	400	--	1.0	--	--	0.60	--	--	
02/22/93	--	--	--	--	--	34000	--	1400	5500	910	7300	--	--	
05/07/93	--	--	--	--	--	8700	--	600	240	650	3300	--	--	
08/08/93	--	--	--	--	--	4900	--	79	--	832	270	--	--	
11/16/93	5.32	8.61	0.00	-3.29	--	690	--	--	--	--	--	--	--	
02/16/94	5.32	8.54	0.00	-3.22	0.07	6800	--	--	--	--	--	--	--	
06/22/94	8.46	8.39	0.00	0.07	3.29	200	--	--	--	5.90	21	--	--	
09/22/94	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	--	--	
03/25/95	8.46	7.72	0.00	0.74	0.32	--	--	--	--	--	--	--	--	
06/21/95	8.46	9.30	0.00	-0.84	-1.58	--	--	--	--	--	--	--	--	
09/19/95	8.46	9.29	0.00	-0.83	0.01	--	--	--	--	--	--	--	--	
12/19/95	8.46	8.98	0.00	-0.52	0.31	--	--	--	--	--	--	--	--	
03/18/96	8.46	8.25	0.00	0.21	0.73	27000	--	--	2300	1400	11000	4900	--	
06/27/96	8.46	7.92	0.00	0.54	0.33	120000	--	540	4300	2600	26000	--	--	
09/26/96	8.46	9.10	0.02	-0.63	-1.17	--	--	--	--	--	--	--	--	
12/09/96	8.46	6.88	0.03	1.60	2.23	--	--	--	--	--	--	--	--	
03/14/97	8.46	9.02	0.55	-0.15	-1.75	--	--	--	--	--	--	--	--	

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														
06/30/97	8.46	8.41	0.02	0.07	0.21	--	--	--	--	--	--	--	--	
09/19/97	8.46	8.56	0.02	-0.09	-0.15	--	--	--	--	--	--	--	--	
12/12/97	8.46	8.58	0.01	-0.11	-0.03	--	--	--	--	--	--	--	--	
03/03/98	8.46	8.23	0.04	0.26	0.37	--	--	--	--	--	--	--	--	
06/15/98	8.46	8.37	0.00	0.09	-0.17	52000	--	--	900	1800	13000	--	--	
09/30/98	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	--	
03/22/99	8.46	8.18	0.00	0.28	0.39	130000	--	470	1100	2000	28000	5700	--	
06/09/99	8.46	9.37	0.00	-0.91	-1.19	40000	--	230	640	590	13000	3500	2100	
09/08/99	8.46	9.53	0.00	-1.07	-0.16	55000	--	217	202	745	14300	6890	6690	
12/07/99	8.46	9.67	0.00	-1.21	-0.14	41200	--	89.30	--	385	6930	15800	14700	
03/13/00	8.46	8.44	0.00	0.02	1.23	48000	--	490	610	2400	10000	22000	23000	
06/21/00	8.46	9.45	0.00	-0.99	-1.01	37000	--	200	--	1200	7200	15000	20000	
09/27/00	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	
03/07/01	8.46	8.45	0.00	0.01	0.92	6220	--	29.80	10.40	96.30	638	11200	11800	
06/06/01	8.46	9.29	0.00	-0.83	-0.84	5200	--	17	--	69	420	6500	8700	
09/24/01	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	
03/11/02	8.46	9.44	0.00	-0.98	-0.27	5500	--	28	ND<20	360	690	6400	6300	
06/04/02	8.46	8.32	0.00	0.14	1.12	4600	--	31	ND<10	240	180	6500	--	
09/03/02	8.46	9.36	0.00	-0.90	-1.04	2300	--	ND<12	ND<12	ND<12	68	3500	4700	
12/03/02	8.46	8.18	0.00	0.28	1.18	--	ND<5000	ND<50	ND<50	ND<50	<100	--	4700	
03/04/03	8.46	8.29	0.00	0.17	-0.11	--	8900	26	ND<25	400	130	--	5500	
06/18/03	8.46	7.58	0.00	0.88	0.71	--	8300	ND<25	ND<25	ND<25	<50	--	10000	
09/24/03	8.46	8.18	0.00	--	--	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	11000	
12/02/03	8.46	8.90	0.00	-0.44	--	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	11000	
03/30/04	8.46	8.38	0.00	0.08	0.52	--	12000	ND<100	ND<100	190	ND<200	--	13000	

U-2 **(Screen Interval in feet: 5.0-20.0)**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-2 continued														
08/10/90	--	--	--	--	--	780	--	27	46	15	130	--	--	
01/07/91	--	--	--	--	--	1900	--	67	5.8	58	69	--	--	
04/01/91	--	--	--	--	--	1700	--	250	89	34	190	--	--	
07/03/91	--	--	--	--	--	2100	--	150	25	3.10	290	--	--	
10/09/91	--	--	--	--	--	230	--	7.1	--	--	11	--	--	
02/12/92	--	--	--	--	--	410	--	1.9	--	0.36	0.40	--	--	
05/05/92	--	--	--	--	--	1600	--	120	52	6.20	290	--	--	
06/11/92	--	--	--	--	--	620	--	17	2.10	--	37	--	--	
08/20/92	--	--	--	--	--	700	--	28	6.50	1.30	4.60	--	--	
02/22/93	--	--	--	--	--	3400	--	2400	2100	1200	5800	--	--	
05/07/93	--	--	--	--	--	17000	--	1800	660	1700	4000	--	--	
08/08/93	--	--	--	--	--	5600	--	420	--	410	670	--	--	
11/16/93	4.53	8.17	0.00	-3.64	--	510	--	--	--	--	--	--	--	
02/16/94	4.53	7.73	0.00	-3.20	0.44	980	--	49	13	2.70	40	--	--	
06/22/94	7.62	7.60	0.00	0.02	3.22	31000	--	2200	62	1500	3500	--	--	
09/22/94	7.62	7.93	0.00	-0.31	-0.33	8500	--	29	--	--	--	--	--	
12/24/94	7.62	7.27	0.00	0.35	0.66	32000	--	1500	890	1300	5000	--	--	
03/25/95	7.62	7.01	0.00	0.61	0.26	170000	--	1900	21000	4800	33000	--	--	
06/21/95	7.62	6.98	0.00	0.64	0.03	16000	--	2100	--	1800	1700	--	--	
09/19/95	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	--	--	
03/18/96	7.62	6.45	0.00	1.17	0.85	12000	--	2200	--	1200	2200	22000	--	
06/27/96	7.62	7.41	0.00	0.21	-0.96	28000	--	3400	--	2800	3100	3000	--	
09/26/96	7.62	7.90	0.00	-0.28	-0.49	5900	--	750	--	--	--	18000	--	
12/09/96	7.62	6.76	0.00	0.86	1.14	13000	--	5100	290	980	370	2700	--	
03/14/97	7.62	7.12	0.03	0.52	-0.34	--	--	--	--	--	--	--	--	
06/30/97	7.62	6.19	0.00	1.43	0.91	--	--	--	--	--	--	--	--	
09/19/97	7.62	7.31	0.00	0.31	-1.12	--	--	--	--	--	--	--	--	
12/12/97	7.62	6.75	0.00	0.87	0.56	--	--	--	--	--	--	--	--	

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														
03/03/98	7.62	6.36	0.00	1.26	0.39	80000	--	3000	1100	820	16000	16000	--	
06/15/98	7.62	6.51	0.00	1.11	-0.15	48000	--	1800	330	470	7900	20000	--	
09/30/98	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	--	
03/22/99	7.62	6.82	0.00	0.80	0.24	28000	--	1100	--	360	2900	25000	--	
06/09/99	7.62	7.51	0.00	0.11	-0.69	21000	--	110	190	310	2600	7900	7800	
09/08/99	7.62	8.16	0.00	-0.54	-0.65	23300	--	477	138	286	4110	16400	15300	
12/07/99	7.62	8.31	0.00	-0.69	-0.15	4840	--	17.20	--	--	157	14900	15600	
03/13/00	7.62	6.69	0.00	0.93	1.62	11000	--	380	160	--	2100	22000	26000	
06/21/00	7.62	7.67	0.00	-0.05	-0.98	9100	--	22	--	--	800	16000	22000	
09/27/00	7.62	7.44	0.00	0.18	0.23	2900	--	43	--	--	39	20000	26000	
12/12/00	7.62	7.51	0.00	0.11	-0.07	3600	--	17	--	--	87	8000	7800	
03/07/01	7.62	7.15	0.00	0.47	0.36	1670	--	51	--	7.20	19.50	5930	7900	
06/06/01	7.62	7.57	0.00	0.05	-0.42	1100	--	14	--	9.30	35	9200	10000	
09/24/01	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	
03/11/02	7.62	7.12	0.00	0.50	-0.34	ND<1000	--	28	ND<10	40	31	11000	11000	
06/04/02	7.62	7.18	0.00	0.44	-0.06	7700	--	32	ND<25	33	48	14000	14000	
09/03/02	7.62	7.58	0.00	0.04	-0.40	5200	--	ND<25	ND<25	ND<25	ND<25	11000	15000	
12/03/02	7.62	7.68	0.00	-0.06	-0.10	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	3200	
03/04/03	7.62	7.77	0.00	-0.15	-0.09	--	8100	ND<50	ND<50	ND<50	ND<100	--	7800	
06/18/03	7.62	6.87	0.00	0.75	0.90	--	11000	ND<50	ND<50	ND<50	ND<100	--	16000	
09/24/03	7.62	7.49	0.00	0.13	-0.62	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	10000	
12/02/03	7.62	7.95	0.00	-0.33	-0.46	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	10000	
03/30/04	7.62	7.07	0.00	0.55	0.88	--	12000	ND<100	ND<100	ND<100	ND<200	--	11000	
U-3	**(Screen Interval in feet: 5.0-20.0)**													
08/10/90	--	--	--	--	--	--	--	--	--	--	--	--	--	
01/07/91	--	--	--	--	--	--	--	--	--	--	1.80	--	--	
04/01/91	--	--	--	--	--	--	--	1.0	2.90	0.53	5.40	--	--	

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														
07/03/91	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/09/91	--	--	--	--	--	--	--	--	--	--	--	--	--	
02/12/92	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/05/92	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/11/92	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	
02/22/93	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/07/93	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/08/93	--	--	--	--	--	210	--	5.0	9.70	0.70	4.10	--	--	
11/16/93	7.86	11.82	0.00	-3.96	--	--	--	--	--	--	--	--	--	
02/16/94	7.86	11.62	0.00	-3.76	0.20	--	--	--	--	--	--	--	--	
06/22/94	10.98	11.64	0.00	-0.66	3.10	--	--	--	--	--	--	--	--	
09/22/94	10.98	11.76	0.00	-0.78	-0.12	--	--	--	--	--	--	--	--	
12/24/94	10.98	11.28	0.00	-0.30	0.48	--	--	--	--	--	--	--	--	
03/25/95	10.98	10.96	0.00	0.02	0.32	--	--	--	--	--	--	--	--	
06/21/95	10.98	11.37	0.00	-0.39	-0.41	--	--	--	--	--	--	--	--	
09/19/95	10.98	11.55	0.00	-0.57	-0.18	--	--	--	--	--	--	--	--	
12/19/95	10.98	11.45	0.00	-0.47	0.10	--	--	--	--	--	--	--	--	
03/18/96	10.98	11.10	0.00	-0.12	0.35	--	--	--	--	--	--	--	--	
06/27/96	10.98	11.16	0.00	-0.18	-0.06	440	--	49	50	51	140	50	--	
09/26/96	10.98	11.55	0.00	-0.57	-0.39	--	--	--	--	--	--	--	--	
12/09/96	10.98	10.12	0.00	0.86	1.43	--	--	--	--	--	--	29	--	
03/14/97	10.98	10.87	0.00	0.11	-0.75	--	--	--	--	--	--	--	--	
06/30/97	10.98	11.08	0.00	-0.10	-0.21	--	--	--	--	--	--	--	--	
09/19/97	10.98	11.05	0.00	-0.07	0.03	--	--	--	--	--	--	--	--	
12/12/97	10.98	10.58	0.00	0.40	0.47	--	--	--	--	--	--	--	--	
03/03/98	10.98	9.84	0.00	1.14	0.74	--	--	--	--	--	--	--	--	
06/15/98	10.98	10.56	0.00	0.42	-0.72	--	--	--	--	--	--	--	--	
09/30/98	10.98	11.12	0.00	-0.14	-0.56	--	--	--	--	--	--	--	--	

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														
12/28/98	10.98	10.96	0.00	0.02	0.16	--	--	--	--	--	--	--	--	
03/22/99	10.98	9.46	0.00	1.52	1.50	--	--	--	--	--	--	--	--	
06/09/99	10.98	11.01	0.00	-0.03	-1.55	--	--	--	--	--	--	--	--	
09/08/99	10.98	11.31	0.00	-0.33	-0.30	--	--	--	--	--	--	--	--	
12/07/99	10.98	11.26	0.00	-0.28	0.05	--	--	--	--	--	--	--	--	
03/13/00	10.98	8.28	0.00	2.70	2.98	--	--	--	--	--	--	--	--	
06/21/00	10.98	11.12	0.00	-0.14	-2.84	--	--	--	--	--	--	--	--	
09/27/00	10.98	11.07	0.00	-0.09	0.05	--	--	--	--	--	--	--	--	
12/12/00	10.98	10.94	0.00	0.04	0.13	--	--	--	--	--	--	--	--	
03/07/01	10.98	8.32	0.00	2.66	2.62	--	--	--	--	--	--	--	--	
06/06/01	10.98	10.94	0.00	0.04	-2.62	--	--	--	--	--	--	--	--	
09/24/01	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	--	
03/11/02	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	--	
06/04/02	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	--	
09/03/02	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	--	
12/03/02	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	
03/04/03	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	
06/18/03	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	
09/24/03	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	
12/02/03	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	
03/30/04	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	
U-4	**(Screen Interval in feet: 5.0-20.0)**													
06/22/94	11.15	10.16	0.00	0.99	--	--	--	--	--	--	--	--	--	
09/22/94	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	--	--	--	--	--	--	--	--	
03/25/95	11.15	9.51	0.00	1.64	0.30	--	--	--	--	--	--	--	--	
06/21/95	11.15	9.54	0.00	1.61	-0.03	--	--	--	--	--	--	--	--	
09/19/95	11.15	10.17	0.00	0.98	-0.63	--	--	--	--	--	--	--	--	

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														
12/19/95	11.15	9.98	0.00	1.17	0.19	--	--	--	--	--	--	--	--	
03/18/96	11.15	9.66	0.00	1.49	0.32	--	--	--	--	--	--	--	--	
06/27/96	11.15	9.74	0.00	1.41	-0.08	--	--	--	--	--	--	--	--	
09/26/96	11.15	10.14	0.00	1.01	-0.40	--	--	--	--	--	--	--	--	
12/09/96	11.15	8.67	0.00	2.48	1.47	--	--	--	--	--	--	33	--	
03/14/97	11.15	9.35	0.00	1.80	-0.68	--	--	--	--	--	--	--	--	
06/30/97	11.15	9.89	0.00	1.26	-0.54	--	--	--	--	--	--	--	--	
09/19/97	11.15	9.96	0.00	1.19	-0.07	--	--	--	--	--	--	--	--	
12/12/97	11.15	8.56	0.00	2.59	1.40	--	--	--	--	--	--	--	--	
03/03/98	11.15	7.85	0.00	3.30	0.71	--	--	--	--	--	--	--	--	
06/15/98	11.15	9.08	0.00	2.07	-1.23	--	--	--	--	--	--	--	--	
09/30/98	11.15	9.75	0.00	1.40	-0.67	--	--	--	--	--	--	--	--	
12/28/98	11.15	9.59	0.00	1.56	0.16	--	--	--	--	--	--	--	--	
03/22/99	11.15	8.34	0.00	2.81	1.25	--	--	--	--	--	--	--	--	
06/09/99	11.15	9.39	0.00	1.76	-1.05	--	--	--	--	--	--	--	--	
09/08/99	11.15	9.90	0.00	1.25	-0.51	--	--	--	--	--	--	--	--	
12/07/99	11.15	10.05	0.00	1.10	-0.15	--	--	--	--	--	--	--	--	
03/13/00	11.15	7.24	0.00	3.91	2.81	--	--	--	--	--	--	--	--	
06/21/00	11.15	9.48	0.00	1.67	-2.24	--	--	--	--	--	--	--	--	
09/27/00	11.15	9.42	0.00	1.73	0.06	--	--	--	--	--	--	--	--	
12/12/00	11.15	9.50	0.00	1.65	-0.08	--	--	--	--	--	--	--	--	
03/07/01	11.15	6.88	0.00	4.27	2.62	--	--	--	--	--	--	--	--	
06/06/01	11.15	9.18	0.00	1.97	-2.30	--	--	--	--	--	--	--	--	
09/24/01	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	--	
03/11/02	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	--	
06/04/02	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	--	
09/03/02	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	--	
12/03/02	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	

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														
03/04/03	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	
06/18/03	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	
09/24/03	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	
12/02/03	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	
03/30/04	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	
U-5	**(Screen Interval in feet: 5.0-20.0)**													
06/22/94	6.98	6.83	0.00	0.15	--	210	--	7.10	13	4.50	26	--	--	
09/22/94	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	--	--	
03/25/95	6.98	6.35	0.00	0.63	0.08	44000	--	390	960	1500	7600	--	--	
06/21/95	6.98	7.11	0.00	-0.13	-0.76	400	--	2.3	--	9.10	3.50	--	--	
09/19/95	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	--	--	--	--	--	--	--	--	
03/18/96	6.98	6.65	0.00	0.33	0.52	100	--	0.67	0.50	0.51	5.40	--	--	
06/27/96	6.98	6.49	0.00	0.49	0.16	16000	--	280	150	1400	4600	530	--	
09/26/96	6.98	7.13	0.00	-0.15	-0.64	--	--	--	0.57	--	0.96	--	--	
12/09/96	6.98	5.90	0.00	1.08	1.23	1300	--	29	46	--	140	97	--	
03/14/97	6.98	6.99	0.00	-0.01	-1.09	--	--	--	--	--	--	14	--	
06/30/97	6.98	7.08	0.00	-0.10	-0.09	4200	--	74	51	180	980	270	--	
09/19/97	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	--	
03/03/98	6.98	6.50	0.00	0.48	0.44	1700	--	29	--	150	190	330	--	
06/15/98	6.98	6.85	0.00	0.13	-0.35	1500	--	32	--	91	83	330	--	
09/30/98	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	--	
03/22/99	6.98	6.86	0.00	0.12	0.39	780	--	8.90	--	0.76	4.5	350	--	
06/09/99	6.98	7.28	0.00	-0.30	-0.42	1000	--	--	--	10	35	280	350	
09/08/99	6.98	7.52	0.00	-0.54	-0.24	2620	--	26.20	--	32.20	157	280	239	
12/07/99	6.98	7.67	0.00	-0.69	-0.15	949	--	9.26	--	11.20	22.70	235	301	

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														
03/13/00	6.98	6.73	0.00	0.25	0.94	880	--	12	1.0	5.60	8.70	46	37	
06/21/00	6.98	7.39	0.00	-0.41	-0.66	700	--	4.0	--	0.99	4.0	120	140	
09/27/00	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	
03/07/01	6.98	6.83	0.00	0.15	0.85	623	--	5.15	--	--	0.669	35.70	43.4	
06/06/01	6.98	7.42	0.00	-0.44	-0.59	110	--	--	--	--	--	--	--	
09/24/01	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	--	
03/11/02	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	
06/04/02	6.98	6.71	0.00	0.27	0.29	170	--	ND<0.50	0.77	0.87	0.69	29	--	
09/03/02	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	
12/03/02	6.98	6.64	0.00	0.34	0.83	--	320	ND<0.50	ND<0.50	5.70	ND<1.0	--	11	
03/04/03	6.98	6.75	0.00	0.23	-0.11	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44	
06/18/03	6.98	6.25	0.00	0.73	0.50	--	51	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	36	
09/24/03	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	
12/02/03	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	
03/30/04	6.98	6.88	0.00	0.10	0.24	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	130	
U-6	**(Screen Interval in feet: 5.0-24.0)**													
06/22/94	7.14	7.14	0.00	0.00	--	--	--	--	--	--	--	--	--	
09/22/94	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	--	--	
03/25/95	7.14	6.29	0.00	0.85	0.38	47000	--	450	1300	1700	8200	--	--	
06/21/95	7.14	7.60	0.00	-0.46	-1.31	--	--	--	--	--	--	--	--	
09/19/95	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	--	--	
03/18/96	7.14	6.86	0.00	0.28	0.89	--	--	--	--	--	--	--	--	
06/27/96	7.14	6.52	0.00	0.62	0.34	--	--	--	--	--	--	510	--	
09/26/96	7.14	7.62	0.00	-0.48	-1.10	--	--	--	--	--	--	1400	--	
12/09/96	7.14	5.88	0.00	1.26	1.74	1200	--	29	48	6.40	140	58	--	

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														
03/14/97	7.14	7.30	0.00	-0.16	-1.42	--	--	--	--	--	--	1500	--	
06/30/97	7.14	7.35	0.00	-0.21	-0.05	--	--	--	--	--	--	990	--	
09/19/97	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	--	
03/03/98	7.14	7.00	0.00	0.14	0.29	--	--	--	--	--	--	1600	--	
06/15/98	7.14	7.18	0.00	-0.04	-0.18	--	--	--	--	--	--	1000	--	
09/30/98	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	--	
03/22/99	7.14	7.47	0.00	-0.33	0.32	--	--	--	--	--	--	1800	--	
06/09/99	7.14	7.73	0.00	-0.59	-0.26	--	--	--	--	--	--	1000	850	
09/08/99	7.14	7.95	0.00	-0.81	-0.22	--	--	--	--	--	--	851	1040	
12/07/99	7.14	8.10	0.00	-0.96	-0.15	--	--	--	--	--	--	1140	1150	
03/13/00	7.14	6.95	0.00	0.19	1.15	--	--	--	--	--	--	560	670	
06/21/00	7.14	7.84	0.00	-0.70	-0.89	--	--	--	--	--	--	400	590	
09/27/00	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	
06/06/01	7.14	7.80	0.00	-0.66	--	--	--	--	--	--	--	250	330	
09/24/01	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	
03/11/02	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	
06/04/02	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	
09/03/02	7.14	7.72	0.00	-0.58	-0.54	420	--	ND<2.50	ND<2.50	ND<2.50	4.70	860	1200	
12/03/02	7.14	6.92	0.00	0.22	0.80	--	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<10	--	870	
03/04/03	7.14	7.01	0.00	0.13	-0.09	--	2300	ND<10	ND<10	ND<10	ND<20	--	2700	
06/18/03	7.14	6.60	0.00	0.54	0.41	--	1300	ND<10	ND<10	ND<10	ND<20	--	1700	
09/24/03	7.14	7.24	0.00	-0.10	-0.64	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	1500	
12/02/03	7.14	7.80	0.00	-0.66	-0.56	--	1300	ND<10	ND<10	ND<10	ND<20	--	1800	
03/30/04	7.14	7.32	0.00	-0.18	0.48	--	1200	ND<10	ND<10	ND<10	ND<20	--	1700	

Table 3
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS 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															
06/15/98	--	--	--	--	--	--	--	--	--	39	382	--	--	--	--
09/30/98	--	--	--	--	--	--	--	--	--	17	366	--	--	--	--
12/28/98	--	--	--	--	6.30	--	--	--	--	4.30	298	--	28	--	--
03/22/99	--	--	--	--	--	--	--	--	--	4.90	320	--	3.50	--	--
06/09/99	--	--	--	--	--	--	--	--	--	1.20	260	--	--	--	--
09/08/99	--	--	--	--	--	--	--	--	--	1.80	85	--	--	--	--
12/07/99	--	--	1.36	--	--	--	--	--	--	5.70	404	--	17	--	--
03/13/00	--	--	--	--	0.18	--	--	--	--	8.0	262	--	--	--	--
06/21/00	--	--	1.53	--	--	--	--	--	--	9.30	148	--	--	--	--
09/27/00	--	--	1.63	--	--	--	--	--	--	2.80	119	--	18.40	--	--
12/12/00	--	--	1.48	--	--	--	--	--	--	0.49	131	--	16	--	--
03/07/01	--	--	1.91	--	2.64	--	--	--	--	0.48	125	--	6.89	--	--
06/06/01	--	--	1.77	--	--	--	--	--	--	1.04	141	--	2.70	--	--
09/24/01	--	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
03/11/02	--	ND<100	2.21	--	ND<0.50	ND<100	ND<5000	ND<100	ND<100	15	132	--	0.11	ND<25000	ND<100
06/04/02	--	--	1.88	--	ND<0.50	--	--	--	--	ND<0.50	117	--	ND<0.10	--	--
09/03/02	--	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
12/03/02	--	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
03/04/03	--	ND<100	0.30	--	ND<1.0	ND<100	ND<5000	ND<100	ND<100	36	-125	--	ND<1.0	ND<25000	ND<100
06/18/03	--	ND<100	--	1.70	ND<1.0	ND<100	ND<5000	ND<100	ND<100	16	-48	--	ND<1.0	ND<25000	ND<100
09/24/03	--	ND<400	--	--	18	ND<400	ND<20000	ND<400	ND<400	15	-36	--	ND<1.0	ND<100000	ND<400
12/02/03	--	--	--	--	--	--	--	--	--	4.0	--	--	--	ND<100000	--
03/30/04	ND<100	ND<100	--	--	ND<1.0	ND<100	3100	ND<200	ND<100	12	--	--	ND<1.0	ND<10000	--
U-2															
03/03/98	--	--	--	--	--	--	--	--	--	25	369	--	--	--	--

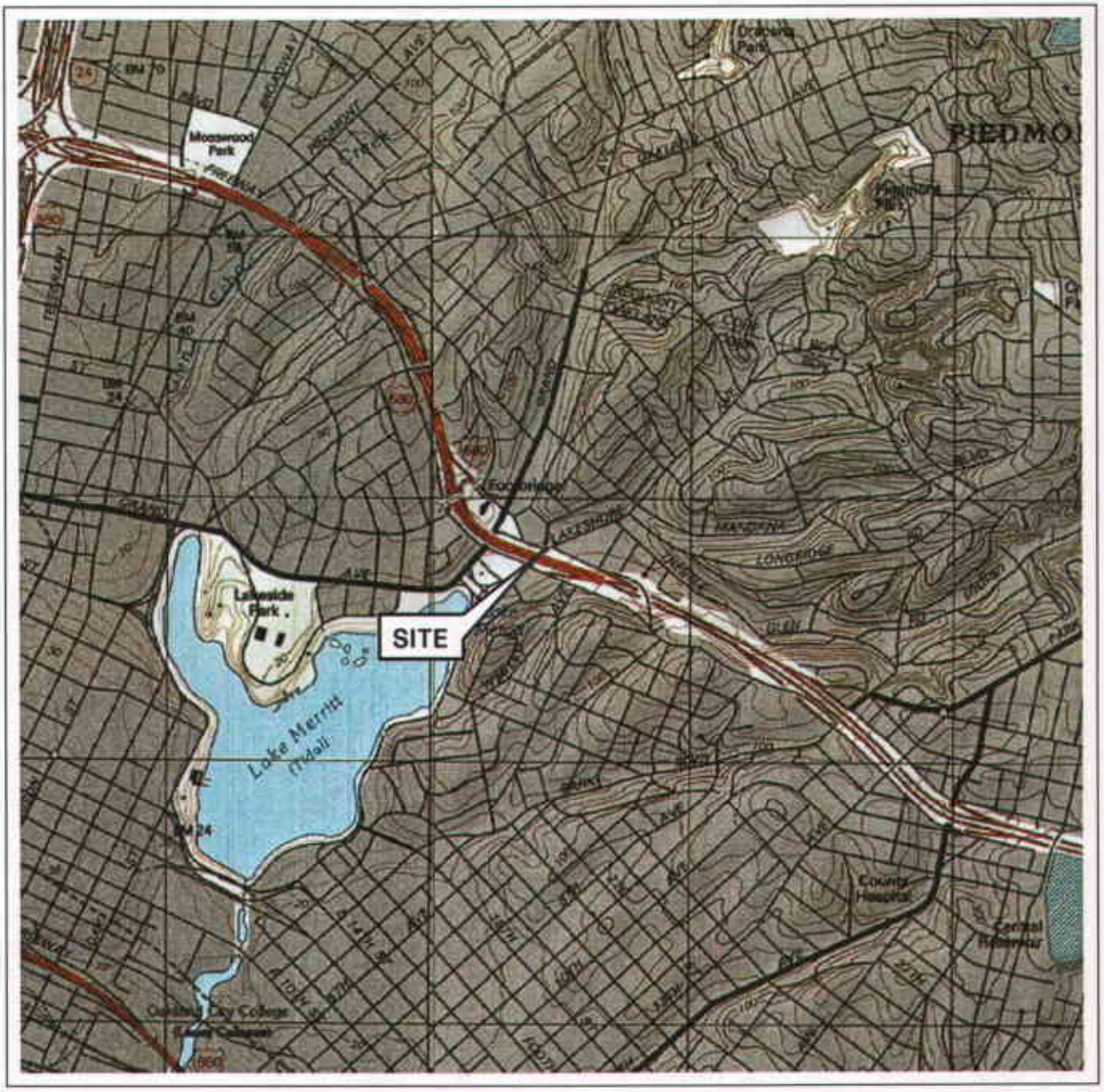
Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	Phosphate	Ethanol 8260B	1,2 DCE
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(µg/l)	(µg/l)
U-2 continued															
06/15/98	--	--	--	--	--	--	--	--	--	42	341	--	--	--	--
09/30/98	--	--	--	--	--	--	--	--	--	25	354	--	--	--	--
12/28/98	--	--	--	--	--	--	--	--	--	28	276	--	--	--	--
03/22/99	--	--	--	--	--	--	--	--	--	0.68	320	--	2.30	--	--
06/09/99	--	--	--	--	--	--	--	--	--	0.50	290	--	--	--	--
09/08/99	--	--	--	--	--	--	--	--	--	1.90	235	--	--	--	--
12/07/99	--	--	2.28	--	--	--	--	--	--	0.25	389	--	--	--	--
03/13/00	--	--	--	--	0.31	--	--	--	--	4.30	184	--	--	--	--
06/21/00	--	--	1.96	--	--	--	--	--	--	0.26	136	--	--	--	--
09/27/00	--	--	2.12	--	--	--	--	--	--	0.64	142	--	10.50	--	--
12/12/00	--	--	2.35	--	--	--	--	--	--	2.70	155	--	--	--	--
03/07/01	--	--	2.21	--	2.24	--	--	--	--	0.68	148	--	3.02	--	--
06/06/01	--	--	2.67	--	--	--	--	--	--	0.80	163	--	2.80	--	--
09/24/01	--	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
03/11/02	--	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
06/04/02	--	--	3.14	--	ND<0.50	--	--	--	--	ND<0.10	144	--	ND<0.10	--	--
09/03/02	--	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
12/03/02	--	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
03/04/03	--	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
06/18/03	--	ND<200	--	3.20	ND<1.0	ND<200	ND<10000	ND<200	ND<200	5.50	-8	--	3.1	ND<50000	ND<200
09/24/03	--	ND<400	--	--	ND<1.0	ND<400	ND<20000	ND<400	ND<400	14	-10	--	ND<1.0	ND<100000	ND<400
12/02/03	--	--	--	--	--	--	--	--	--	2.7	--	--	--	ND<100000	--
03/30/04	ND<100	ND<100	--	--	ND<1.0	ND<100	2400	ND<200	ND<100	ND<0.20	--	--	2.9	ND<10000	--
U-3															
06/30/97	--	--	4.10	--	21	--	--	--	--	1.40	190	--	0.86	--	--
09/19/97	--	--	4.20	--	19	--	--	--	--	0.57	75	--	--	--	--
12/12/97	--	--	2.97	--	23	--	--	--	--	1.90	390	--	0.85	--	--
03/03/98	--	--	2.63	--	36	--	--	--	--	0.013	358	--	--	--	--

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															
06/15/98	--	--	2.93	--	33	--	--	--	--	0.16	318	--	--	--	--
09/30/98	--	--	3.11	--	31	--	--	--	--	0.040	295	--	--	--	--
12/28/98	--	--	3.59	--	29	--	--	--	--	--	281	--	--	--	--
03/22/99	--	--	4.02	--	30	--	--	--	--	0.015	310	--	0.14	--	--
06/09/99	--	--	3.70	--	26	--	--	--	--	--	350	--	1.20	--	--
09/08/99	--	--	3.96	--	32.90	--	--	--	--	--	417	--	--	--	--
12/07/99	--	--	4.21	--	27.90	--	--	--	--	0.0520	437	--	--	--	--
03/13/00	--	--	--	--	33	--	--	--	--	0.15	307	--	--	--	--
06/21/00	--	--	4.27	--	32	--	--	--	--	0.20	225	--	--	--	--
09/27/00	--	--	4.67	--	34	--	--	--	--	--	211	307	15.70	--	--
12/12/00	--	--	4.79	--	31	--	--	--	--	--	246	--	--	--	--
03/07/01	--	--	5.16	--	36.5	--	--	--	--	--	251	--	0.443	--	--
06/06/01	--	--	4.79	--	8.0	--	--	--	--	--	214	--	0.18	--	--
09/24/01	--	--	4.27	--	23.0	--	--	--	--	ND<0.10	198	--	--	--	--
12/10/01	--	--	4.66	--	21	--	--	--	--	ND<0.10	188	--	0.11	--	--
03/11/02	--	--	5.06	--	30	--	--	--	--	ND<0.10	166	--	0.14	--	--
06/04/02	--	--	5.79	--	18	--	--	--	--	ND<0.10	151	--	ND<0.10	--	--
09/03/02	--	--	6.04	--	28	--	--	--	--	ND<0.10	143	--	ND<0.10	--	--
12/03/02	--	--	5.58	--	20	--	--	--	--	ND<0.20	154	--	ND<1.0	--	--
03/04/03	--	--	0.20	--	18	--	--	--	--	ND<0.20	-136	--	ND<1.0	--	--
06/18/03	--	--	--	3.50	17	--	--	--	--	ND<0.20	333	--	ND<1.0	--	--
09/24/03	--		--	--	18					ND<0.20	-50	--	1.4	ND<500	
12/02/03	--	--	--	--	--	--	--	--	--	ND<0.20	--	--	--	ND<500	--
03/30/04	--	--	--	--	16	--	--	--	--	ND<0.20	--	--	ND<1.0	ND<50	--
U-4															
06/30/97	--	--	5.40	--	35	--	--	--	--	0.13	200	--	0.52	--	--
09/19/97	--	--	5.10	--	30	--	--	--	--	0.35	45	--	--	--	--
12/12/97	--	--	3.11	--	31	--	--	--	--	0.68	380	--	0.73	--	--
03/03/98	--	--	2.94	--	3.20	--	--	--	--	0.018	284	--	--	--	--

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															
06/15/98	--	--	3.08	--	33	--	--	--	--	0.14	256	--	--	--	--
09/30/98	--	--	4.05	--	31	--	--	--	--	0.049	276	--	--	--	--
12/28/98	--	--	4.57	--	31	--	--	--	--	0.36	280	--	--	--	--
03/22/99	--	--	4.26	--	30	--	--	--	--	--	320	--	0.14	--	--
06/09/99	--	--	3.61	--	35	--	--	--	--	--	340	--	0.91	--	--
09/08/99	--	--	3.75	--	24	--	--	--	--	--	391	--	--	--	--
12/07/99	--	--	4.03	--	27.70	--	--	--	--	--	478	--	--	--	--
03/13/00	--	--	--	--	33	--	--	--	--	--	244	--	--	--	--
06/21/00	--	--	4.89	--	32	--	--	--	--	0.034	248	--	--	--	--
09/27/00	--	--	5.09	--	28	--	--	--	--	--	198	--	--	--	--
12/12/00	--	--	4.86	--	30	--	--	--	--	--	210	--	--	--	--
03/07/01	--	--	4.97	--	33.90	--	--	--	--	--	233	--	0.226	--	--
06/06/01	--	--	5.12	--	7.4	--	--	--	--	--	248	--	0.21	--	--
09/24/01	--	--	4.86	--	24	--	--	--	--	ND<0.10	262	--	--	--	--
12/10/01	--	--	5.05	--	19	--	--	--	--	ND<0.10	242	--	0.1	--	--
03/11/02	--	--	4.83	--	31	--	--	--	--	ND<0.10	195	--	0.14	--	--
06/04/02	--	--	5.58	--	27	--	--	--	--	ND<0.10	169	--	ND<0.10	--	--
09/03/02	--	--	5.94	--	28	--	--	--	--	ND<0.10	126	--	0.27	--	--
12/03/02	--	--	5.82	--	20	--	--	--	--	ND<0.20	133	--	ND<1.0	--	--
03/04/03	--	--	0.30	--	26	--	--	--	--	ND<0.20	-148	--	ND<1.0	--	--
06/18/03	--	--	--	3.60	31	--	--	--	--	ND<0.20	250	--	ND<1.0	--	--
09/24/03	--		--	--	17					ND<0.20	-24	--	1.5		
12/02/03	--	--	--	--	--	--	--	--	--	ND<0.20	--	--	--	ND<500	--
03/30/04	--	--	--	--	25	--	--	--	--	ND<0.20	--	--	ND<1.0	ND<50	--
U-5															
06/30/97	--	--	3.40	--	--	--	--	--	--	16	160	--	--	--	--
09/19/97	--	--	0.60	--	--	--	--	--	--	0.22	63	--	--	--	--
12/12/97	--	--	1.75	--	--	--	--	--	--	6.70	400	--	--	--	--
03/03/98	--	--	2.36	--	3.10	--	--	--	--	18	345	--	--	--	--

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															
06/15/98	--	--	2.55	--	--	--	--	--	--	17	333	--	--	--	--
09/30/98	--	--	1.93	--	--	--	--	--	--	17	318	--	--	--	--
12/28/98	--	--	1.64	--	6.60	--	--	--	--	17	305	--	--	--	--
03/22/99	--	--	1.99	--	--	--	--	--	--	0.12	340	--	2.4	--	--
06/09/99	--	--	2.10	--	--	--	--	--	--	0.23	320	--	--	--	--
09/08/99	--	--	2.21	--	--	--	--	--	--	2.10	335	--	--	--	--
12/07/99	--	--	2.66	--	--	--	--	--	--	0.310	408	--	--	--	--
03/13/00	--	--	--	--	0.16	--	--	--	--	0.33	264	--	--	--	--
06/21/00	--	--	3.42	--	--	--	--	--	--	0.15	159	--	--	--	--
09/27/00	--	--	3.85	--	--	--	--	--	--	0.33	136	--	--	--	--
12/12/00	--	--	3.53	--	--	--	--	--	--	0.086	122	--	--	--	--
03/07/01	--	--	2.98	--	3.02	--	--	--	--	1.07	141	--	4.0	--	--
06/06/01	--	--	2.67	--	--	--	--	--	--	--	112	--	1.20	--	--
09/24/01	--	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	--	--
03/11/02	--	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
06/04/02	--	--	3.46	--	ND<0.50	--	--	--	--	ND<0.250	118	--	ND<0.10	--	--
09/03/02	--	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
12/03/02	--	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
03/04/03	--	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
06/18/03	--	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
09/24/03	--		--	--	18					ND<0.20	-28	--	1.8		
12/02/03	--	--	--	--	--	--	--	--	--	9.4	--	--	--	ND<500	--
03/30/04	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	--
U-6															
06/30/97	--	--	0.30	--	0.80	--	--	--	--	88	190	--	--	--	--
09/19/97	--	--	0.60	--	1.80	--	--	--	--	2.90	--	--	--	--	--
12/12/97	--	--	2.70	--	--	--	--	--	--	51	380	--	--	--	--
03/03/98	--	--	2.18	--	3.50	--	--	--	--	60	327	--	--	--	--

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															
06/15/98	--	--	2.48	--	4.80	--	--	--	--	590	315	--	--	--	--
09/30/98	--	--	3.06	--	--	--	--	--	--	33	345	--	--	--	--
12/28/98	--	--	3.42	--	7.20	--	--	--	--	83	297	--	--	--	--
03/22/99	--	--	3.88	--	--	--	--	--	--	2.10	330	--	0.98	--	--
06/09/99	--	--	3.29	--	0.20	--	--	--	--	0.47	320	--	--	--	--
09/08/99	--	--	3.12	--	5.59	--	--	--	--	0.140	305	--	--	--	--
12/07/99	--	--	3.44	--	--	--	--	--	--	0.260	443	--	--	--	--
03/13/00	--	--	--	--	0.26	--	--	--	--	0.79	222	--	--	--	--
06/21/00	--	--	3.27	--	--	--	--	--	--	1.90	159	--	--	--	--
09/27/00	--	--	3.49	--	--	--	--	--	--	2.60	170	--	--	--	--
12/12/00	--	--	3.06	--	2.70	--	--	--	--	--	128	--	--	--	--
06/06/01	--	--	2.46	--	0.15	--	--	--	--	0.474	97	--	0.70	--	--
09/24/01	--	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
03/11/02	--	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
06/04/02	--	--	2.84	--	ND<0.50	--	--	--	--	ND<0.10	97	--	ND<1.0	--	--
09/03/02	--	ND<40	3.12	--	0.58	ND<40	ND<2000	ND<40	ND<40	ND<0.10	110	--	1.10	ND<10000	ND<40
12/03/02	--	ND<20	2.96	--	ND<1.0	ND<20	ND<1000	ND<20	ND<20	1.20	95	--	2.60	ND<5000	ND<20
03/04/03	--	ND<40	0.30	--	ND<1.0	ND<40	ND<2000	ND<40	ND<40	20	-112	--	ND<1.0	ND<10000	ND<40
06/18/03	--	ND<40	--	3.20	ND<1.0	ND<40	ND<2000	ND<40	ND<40	3.20	-15	--	2.0	ND<10000	ND<40
09/24/03	--	ND<400	--	--	ND<1.0	ND<400	ND<20000	ND<400	ND<400	1.4	-12	--	4.6	ND<100000	ND<400
12/02/03	--	--	--	--	--	--	--	--	--	1.4	--	--	--	ND<10000	--
03/30/04	ND<10	ND<10	--	--	ND<1.0	ND<10	770	ND<20	ND<10	2.6	--	--	ND<1.0	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

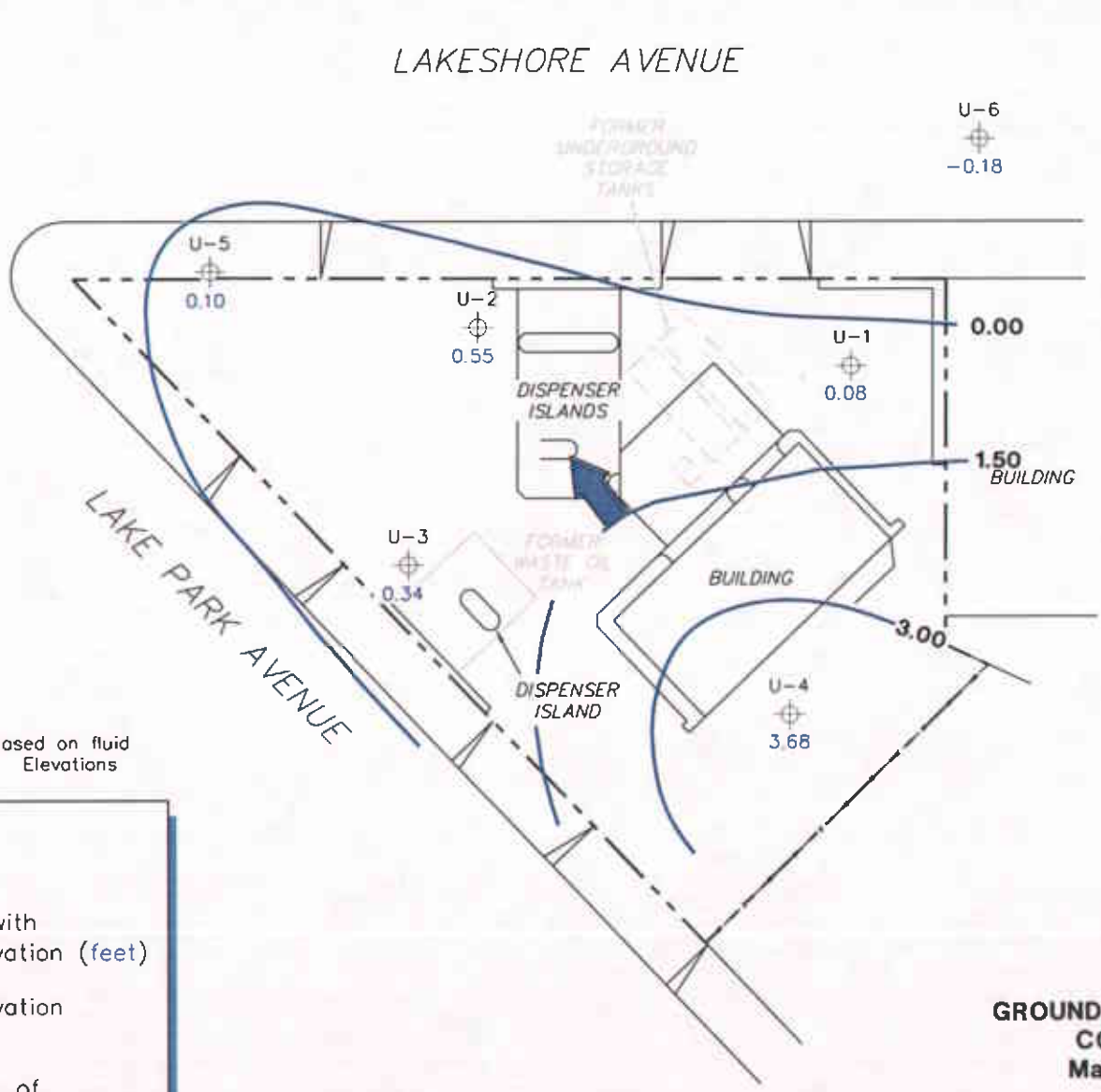
76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 1

TRC

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)

3.00 —— Groundwater Elevation Contour

General Direction of Groundwater Flow

SCALE (FEET)

0 40

GROUNDWATER ELEVATION CONTOUR MAP
March 30, 2004

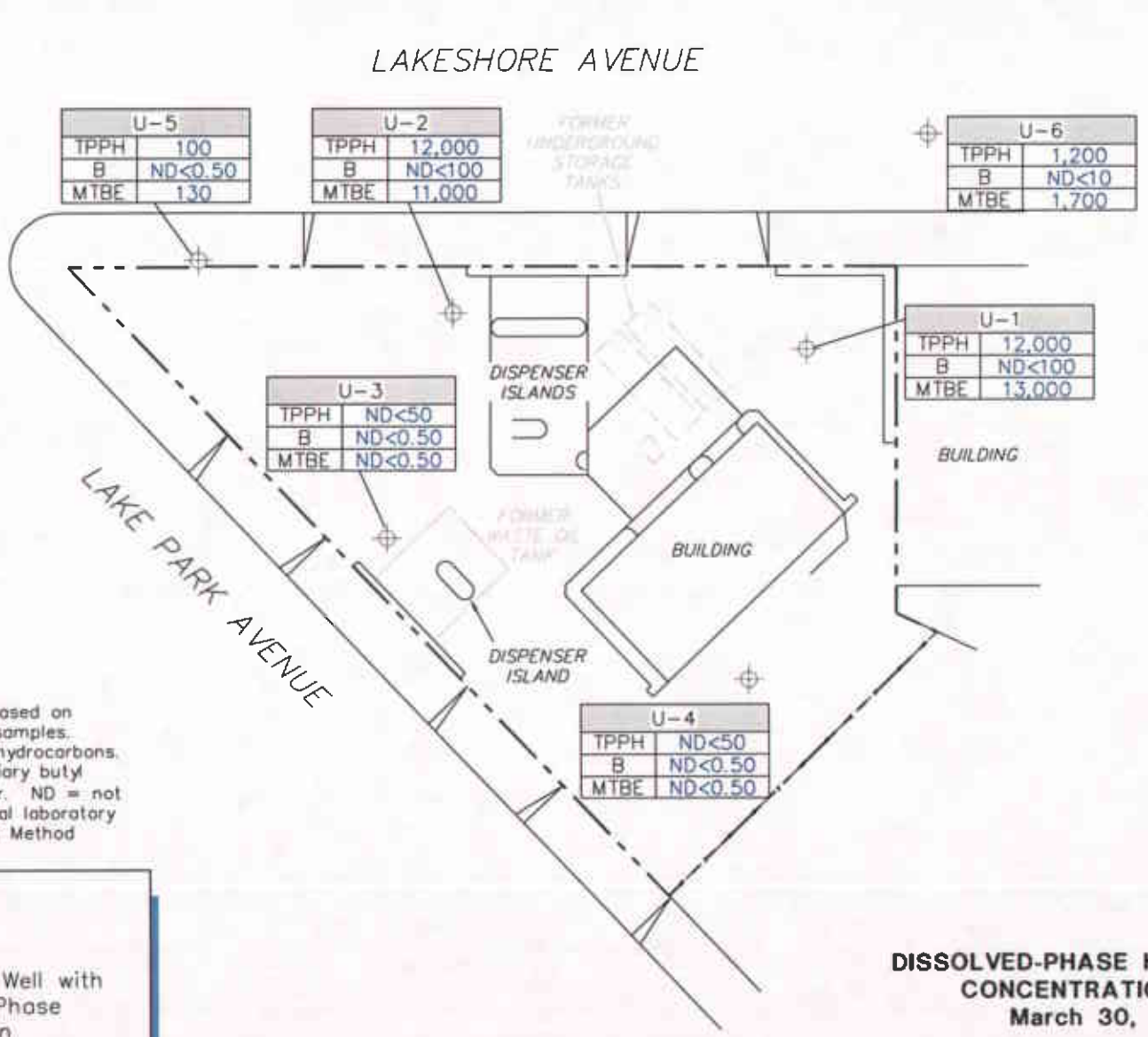
76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 2

TRC

PS=1:1

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\5325+\5325gms.dwg 04/28/04 lgs



NOTES:

Contour lines are interpretive and based on laboratory analysis of groundwater samples. TPPH = total purgeable petroleum hydrocarbons. B = benzene. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. Results obtained using EPA Method 8260B.

LEGEND

Well No.	
TPPH	µg/l
B	µg/l
MTBE	µg/l

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

SCALE (FEET)

0 40

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS MAP
March 30, 2004

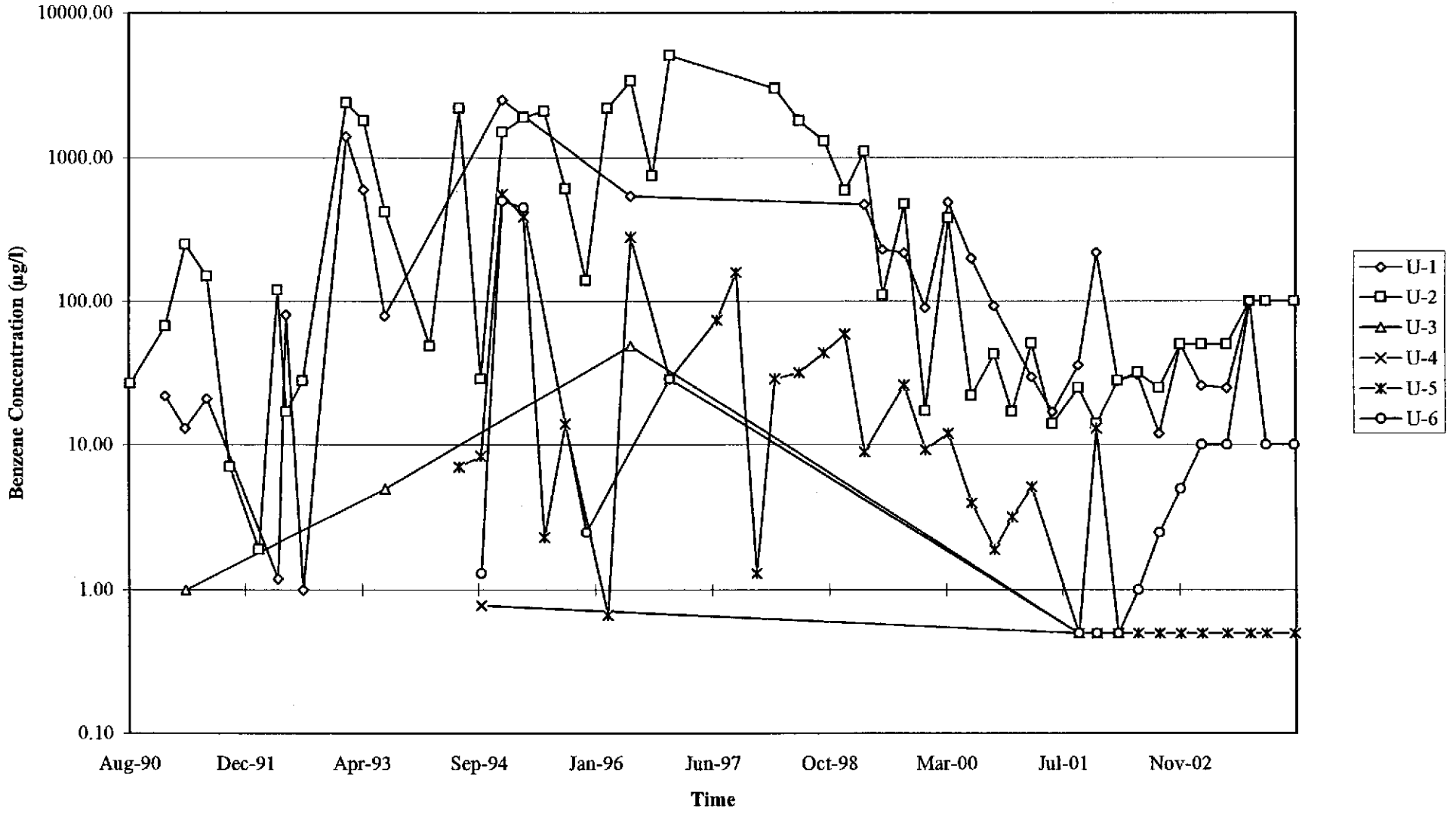
76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 3

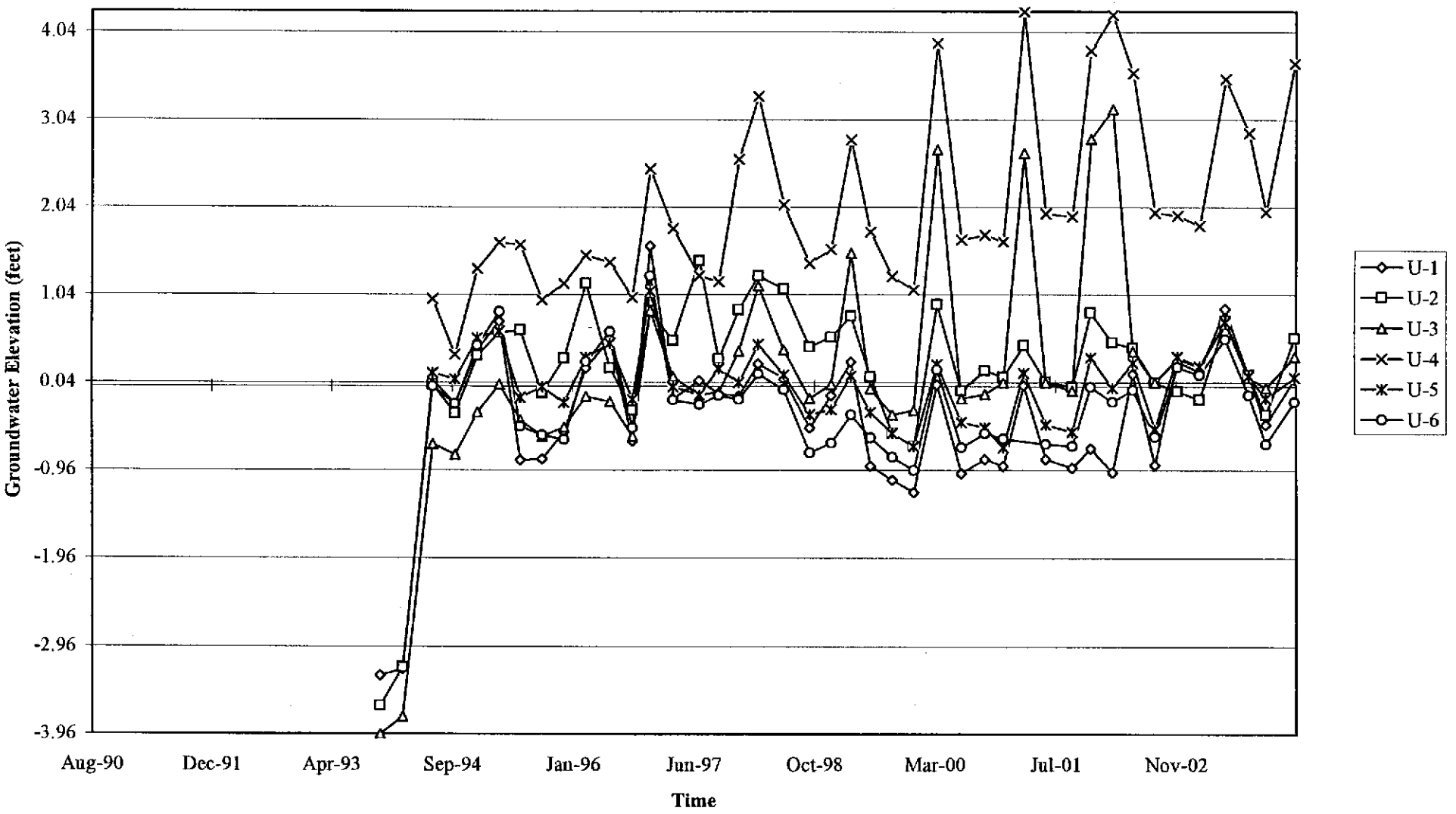
PS=1:1

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\5325+\5325qms.dwg 04/28/04 lgs

Graph 1
Benzene Concentrations vs. Time
76 Station 5325



Graph 2
Hydrograph
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: MDGL   Job #/Task #: 4105000 1 / FA20   Date: 3/30/04

Site # 5325   Project Manager Barbara Moed   Page 1 of 1

Well #	Grade	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
U-1		/	13.23	8.38	0	0	0930	3"
U-2		/	19.75	7.07	0	0	0940	3"
U-3		/	19.36	10.64	0	0	0917	3"
U-4		/	20.11	7.47	0	0	1046	4"
U-5		/	20.03	6.88	0	0	0903	4"
U-6		/	23.65	7.32	0	0	0700	2"

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

WTT CERTIFICATE   MANIFEST   DRUM INVENTORY ✓   TRAFFIC CONTROL

GROUNDWATER SAMPLING FIELD NOTES

Technician: VADEL

Site: 5325 Project No.: 41052001 Date: 3/30/04

Well No.: U-3 Purge Method: D

Depth to Water (feet): 10.64 Depth to Product (feet): 0

Total Depth (feet): 19.36 LPH & Water Recovered (gallons): 0

Water Column (feet): 8.72 Casing Diameter (Inches): 3"

80% Recharge Depth (feet): 12.38 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	~~Turbidity~~ ORP	D.O.
0814			3	825	17.7	8.84	-38	2.80
			6	790	18.1	8.59	-10	7.48
	0822		9	781	17.7	8.58	12	7.75

Static at Time Sampled	Total Gallons Purged	Time Sampled
11.72	9	0917

Comments:

Well No.: U-4 Purge Method: D

Depth to Water (feet): 7.47 Depth to Product (feet): 0

Total Depth (feet): 20.11 LPH & Water Recovered (gallons): 0

Water Column (feet): 12.64 Casing Diameter (Inches): 4"

80% Recharge Depth (feet): 9.99 1 Well Volume (gallons): 8

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	~~Turbidity~~ ORP	D.O.
0832			8	776	19.1	8.55	19	4.29
			16	765	19.0	8.45	40	4.28
	0841		24	752	19.1	8.40	42	3.84

Static at Time Sampled	Total Gallons Purged	Time Sampled
13.10	24	1046

Comments: DIDN'T RECOVER WITH IN 2HRS. 80%.

GROUNDWATER SAMPLING FIELD NOTES

Technician: W/DEL

Site: 5325 Project No.: 41050001 Date: 3/30/04

Well No.: U-2 Purge Method: D

Depth to Water (feet): 7.07 Depth to Product (feet): 0

Total Depth (feet): 19.75 LPH & Water Recovered (gallons): 0

Water Column (feet): 12.68 Casing Diameter (Inches): 3"

80% Recharge Depth (feet): 9.60 1 Well Volume (gallons): 5

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	~~Turbidity~~ ORP	D.O.
0734			5	~~2.40~~	18.1	8.01	-6	2.40
			10					
			15					

Static at Time Sampled	Total Gallons Purged	Time Sampled
14.85	8	0940

Comments: Dry @ 8 GALLONS. NOT ENOUGH WATER TO PURGE (35 MIN). DIDNT RECOVER WITHIN 2HRS.

Well No.: U-5 Purge Method: D

Depth to Water (feet): 6.88 Depth to Product (feet): 0

Total Depth (feet): 20.03 LPH & Water Recovered (gallons): 0

Water Column (feet): 13.15 Casing Diameter (Inches): 4"

80% Recharge Depth (feet): 9.51 1 Well Volume (gallons): 9

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	~~Turbidity~~ ORP	D.O.
0754			9	3.38 ms	18.1	8.32	-19	1.88
			18	3.49 ms	18.4	7.99	-39	1.66
	0804		27	3.67 ms	18.6	7.94	-37	1.89

Static at Time Sampled	Total Gallons Purged	Time Sampled
9.41	27	0903

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: MD.SL

Site: 5325 Project No.: 410 50001 Date: 3/30/04

Well No.: MW-6 Purge Method: D

Depth to Water (feet): 7.72 Depth to Product (feet): 0

Total Depth (feet): 23.65 LPH & Water Recovered (gallons): 0

Water Column (feet): 16.33 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 10.58 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	~~Turbidity~~ ORP	D.O.
0639			3	1501	16.5	8.31	-28	1.88
			6	1879	17.5	8.08	-58	2.43
	0648		9	1754	17.5	8.07	-33	3.61

Static at Time Sampled	Total Gallons Purged	Time Sampled
10.58	9	0700

Comments:

Well No.: MW-1 Purge Method: D

Depth to Water (feet): 8.58 Depth to Product (feet): 0

Total Depth (feet): 13.23 LPH & Water Recovered (gallons): 0

Water Column (feet): 4.65 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 9.35 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	~~Turbidity~~ ORP	D.O.
0706			2	983	17.2	8.16	-40	3.05
			4	967	17.3	7.85	-48	2.10
	0712		6	1042	17.5	7.72	-54	1.68

Static at Time Sampled	Total Gallons Purged	Time Sampled
9.35	6	0730

Comments:

SEVERN TRENT STL

Submission#: 2004-03-0922

TRC Alton Geoscience

April 16, 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 03/30/2004 11:30
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 05/14/2004 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 #: 2004-03-0922

Misc Anions by Ion Chromatograph

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-1	03/30/2004 07:30	Water	1
U-2	03/30/2004 09:40	Water	2
U-3	03/30/2004 09:17	Water	3
U-4	03/30/2004 10:46	Water	4
U-5	03/30/2004 09:03	Water	5
U-6	03/30/2004 07:00	Water	6

SEVERN TRENT STL

Submission #: 2004-03-0922

Misc Anions by Ion Chromatograph

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Prep(s): 300.0/9056
Sample ID: **U-1**
Sampled: 03/30/2004 07:30
Matrix: Water

Test(s): 300.0/9056
Lab ID: 2004-03-0922 - 1
Extracted: 3/30/2004 12:00
QC Batch#: 2004/03/30-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	03/30/2004 14:03	
Orthophosphate	ND	1.0	mg/L	1.00	03/30/2004 14:03	

SEVERN TRENT STL

Submission #: 2004-03-0922

Misc Anions by Ion Chromatograph

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Prep(s): 300.0/9056
Sample ID: **U-2**
Sampled: 03/30/2004 09:40
Matrix: Water

Test(s): 300.0/9056
Lab ID: 2004-03-0922 - 2
Extracted: 3/30/2004 12:00
QC Batch#: 2004/03/30-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	03/30/2004 14:03	
Orthophosphate	2.9	1.0	mg/L	1.00	03/30/2004 14:03	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Prep(s): 300.0/9056
Sample ID: **U-3**
Sampled: 03/30/2004 09:17
Matrix: Water

Test(s): 300.0/9056
Lab ID: 2004-03-0922 - 3
Extracted: 3/31/2004 04:50
QC Batch#: 2004/03/30-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	16	1.0	mg/L	1.00	03/31/2004 09:27	
Orthophosphate	ND	1.0	mg/L	1.00	03/31/2004 09:27	

SEVERN TRENT STL

Submission #: 2004-03-0922

Misc Anions by Ion Chromatograph

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Prep(s): 300.0/9056
Sample ID: **U-4**
Sampled: 03/30/2004 10:46
Matrix: Water

Test(s): 300.0/9056
Lab ID: 2004-03-0922 - 4
Extracted: 3/30/2004 12:00
QC Batch#: 2004/03/30-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	25	1.0	mg/L	1.00	03/30/2004 15:24	
Orthophosphate	ND	1.0	mg/L	1.00	03/30/2004 15:24	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Prep(s): 300.0/9056
Sample ID: **U-5**
Sampled: 03/30/2004 09:03
Matrix: Water

Test(s): 300.0/9056
Lab ID: 2004-03-0922 - 5
Extracted: 3/30/2004 12:00
QC Batch#: 2004/03/30-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	03/30/2004 15:42	
Orthophosphate	ND	1.0	mg/L	1.00	03/30/2004 15:42	

SEVERN TRENT STL

Submission #: 2004-03-0922

Misc Anions by Ion Chromatograph

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Prep(s): 300.0/9056
Sample ID: **U-6**
Sampled: 03/30/2004 07:00
Matrix: Water

Test(s): 300.0/9056
Lab ID: 2004-03-0922 - 6
Extracted: 3/30/2004 12:00
QC Batch#: 2004/03/30-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	03/30/2004 16:01	
Orthophosphate	ND	1.0	mg/L	1.00	03/30/2004 16:01	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Batch QC Report

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

Method Blank — **Water** — **QC Batch # 2004/03/30-01.41**

MB: 2004/03/30-01.41-001 — Date Extracted: 03/30/2004 08:30

Compound	Conc.	RL	Unit	Analyzed	Flag
Nitrate	ND	1.0	mg/L	03/31/2004 09:25	
Orthophosphate	ND	1.0	mg/L	03/31/2004 09:25	

SEVERN TRENT STL

Submission #: 2004-03-0922

Misc Anions by Ion Chromatograph

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Batch QC Report

Prep(s): 300.0/9056

Test(s): 300.0/9056

Laboratory Control Spike **Water** **QC Batch # 2004/03/30-01.41**

LCS 2004/03/30-01.41-002 Extracted: 03/30/2004 Analyzed: 03/30/2004 09:43
LCSD 2004/03/30-01.41-003 Extracted: 03/30/2004 Analyzed: 03/30/2004 10:02

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Nitrate	19.5	19.7	20.0	97.5	98.5	1.0	80-120	20		
Orthophosphate	19.0	19.3	20.0	95.0	96.5	1.6	80-120	20		

SEVERN TRENT STL

Submission #: 2004-03-0922

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-1	03/30/2004 07:30	Water	1
U-2	03/30/2004 09:40	Water	2
U-3	03/30/2004 09:17	Water	3
U-4	03/30/2004 10:46	Water	4
U-5	03/30/2004 09:03	Water	5
U-6	03/30/2004 07:00	Water	6

SEVERN TRENT STL

Submission #: 2004-03-0922

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Prep(s): 5030B
Sample ID: **U-1**
Sampled: 03/30/2004 07:30
Matrix: Water
Analysis Flag: o (See Legend and Note Section)

Test(s): 8260FAB
Lab ID: 2004-03-0922 - 1
Extracted: 4/1/2004 23:51
QC Batch#: 2004/04/01-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	12000	10000	ug/L	200.00	04/01/2004 23:51	dp
Benzene	ND	100	ug/L	200.00	04/01/2004 23:51	
Toluene	ND	100	ug/L	200.00	04/01/2004 23:51	
Ethylbenzene	190	100	ug/L	200.00	04/01/2004 23:51	
Total xylenes	ND	200	ug/L	200.00	04/01/2004 23:51	
tert-Butyl alcohol (TBA)	3100	1000	ug/L	200.00	04/01/2004 23:51	
Methyl tert-butyl ether (MTBE)	13000	100	ug/L	200.00	04/01/2004 23:51	
Di-isopropyl Ether (DIPE)	ND	200	ug/L	200.00	04/01/2004 23:51	
Ethyl tert-butyl ether (ETBE)	ND	100	ug/L	200.00	04/01/2004 23:51	
tert-Amyl methyl ether (TAME)	ND	100	ug/L	200.00	04/01/2004 23:51	
1,2-DCA	ND	100	ug/L	200.00	04/01/2004 23:51	
EDB	ND	100	ug/L	200.00	04/01/2004 23:51	
Ethanol	ND	10000	ug/L	200.00	04/01/2004 23:51	
Surrogate(s)						
Toluene-d8	95.1	88-110	%	200.00	04/01/2004 23:51	
1,2-Dichloroethane-d4	112.8	76-114	%	200.00	04/01/2004 23:51	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Prep(s): 5030B
Sample ID: **U-2**
Sampled: 03/30/2004 09:40
Matrix: Water

Test(s): 8260FAB
Lab ID: 2004-03-0922 - 2
Extracted: 4/3/2004 02:22
QC Batch#: 2004/04/02-2B.66

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	12000	10000	ug/L	200.00	04/03/2004 02:22	g
Benzene	ND	100	ug/L	200.00	04/03/2004 02:22	
Toluene	ND	100	ug/L	200.00	04/03/2004 02:22	
Ethylbenzene	ND	100	ug/L	200.00	04/03/2004 02:22	
Total xylenes	ND	200	ug/L	200.00	04/03/2004 02:22	
tert-Butyl alcohol (TBA)	2400	1000	ug/L	200.00	04/03/2004 02:22	
Methyl tert-butyl ether (MTBE)	11000	100	ug/L	200.00	04/03/2004 02:22	
Di-isopropyl Ether (DIPE)	ND	200	ug/L	200.00	04/03/2004 02:22	
Ethyl tert-butyl ether (ETBE)	ND	100	ug/L	200.00	04/03/2004 02:22	
tert-Amyl methyl ether (TAME)	ND	100	ug/L	200.00	04/03/2004 02:22	
1,2-DCA	ND	100	ug/L	200.00	04/03/2004 02:22	
EDB	ND	100	ug/L	200.00	04/03/2004 02:22	
Ethanol	ND	10000	ug/L	200.00	04/03/2004 02:22	
Surrogate(s)						
Toluene-d8	104.8	88-110	%	200.00	04/03/2004 02:22	
1,2-Dichloroethane-d4	111.7	76-114	%	200.00	04/03/2004 02:22	

SEVERN TRENT STL

Submission #: 2004-03-0922

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**U-3**	Lab ID:	2004-03-0922 - 3
Sampled:	03/30/2004 09:17	Extracted:	4/2/2004 00:36
Matrix:	Water	QC Batch#:	2004/04/01-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/02/2004 00:36	
Benzene	ND	0.50	ug/L	1.00	04/02/2004 00:36	
Toluene	ND	0.50	ug/L	1.00	04/02/2004 00:36	
Ethylbenzene	ND	0.50	ug/L	1.00	04/02/2004 00:36	
Total xylenes	ND	1.0	ug/L	1.00	04/02/2004 00:36	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	04/02/2004 00:36	
Ethanol	ND	50	ug/L	1.00	04/02/2004 00:36	
Surrogate(s)						
Toluene-d8	94.1	88-110	%	1.00	04/02/2004 00:36	
1,2-Dichloroethane-d4	105.2	76-114	%	1.00	04/02/2004 00:36	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Prep(s): 5030B
Sample ID: **U-4**
Sampled: 03/30/2004 10:46
Matrix: Water

Test(s): 8260FAB
Lab ID: 2004-03-0922 - 4
Extracted: 4/2/2004 01:42
QC Batch#: 2004/04/01-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/02/2004 01:42	
Benzene	ND	0.50	ug/L	1.00	04/02/2004 01:42	
Toluene	ND	0.50	ug/L	1.00	04/02/2004 01:42	
Ethylbenzene	ND	0.50	ug/L	1.00	04/02/2004 01:42	
Total xylenes	ND	1.0	ug/L	1.00	04/02/2004 01:42	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	04/02/2004 01:42	
Ethanol	ND	50	ug/L	1.00	04/02/2004 01:42	
Surrogate(s)						
Toluene-d8	94.3	88-110	%	1.00	04/02/2004 01:42	
1,2-Dichloroethane-d4	97.8	76-114	%	1.00	04/02/2004 01:42	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Prep(s): 5030B
Sample ID: **U-5**
Sampled: 03/30/2004 09:03
Matrix: Water

Test(s): 8260FAB
Lab ID: 2004-03-0922 - 5
Extracted: 4/2/2004 02:05
QC Batch#: 2004/04/01-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	100	50	ug/L	1.00	04/02/2004 02:05	g
Benzene	ND	0.50	ug/L	1.00	04/02/2004 02:05	
Toluene	ND	0.50	ug/L	1.00	04/02/2004 02:05	
Ethylbenzene	ND	0.50	ug/L	1.00	04/02/2004 02:05	
Total xylenes	ND	1.0	ug/L	1.00	04/02/2004 02:05	
tert-Butyl alcohol (TBA)	52	5.0	ug/L	1.00	04/02/2004 02:05	
Methyl tert-butyl ether (MTBE)	130	0.50	ug/L	1.00	04/02/2004 02:05	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	04/02/2004 02:05	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	04/02/2004 02:05	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	04/02/2004 02:05	
1,2-DCA	ND	0.50	ug/L	1.00	04/02/2004 02:05	
EDB	ND	0.50	ug/L	1.00	04/02/2004 02:05	
Ethanol	ND	50	ug/L	1.00	04/02/2004 02:05	
Surrogate(s)						
Toluene-d8	92.5	88-110	%	1.00	04/02/2004 02:05	
1,2-Dichloroethane-d4	102.4	76-114	%	1.00	04/02/2004 02:05	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

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

Sample ID: **U-6**
Lab ID: 2004-03-0922 - 6

Sampled: 03/30/2004 07:00
Extracted: 4/2/2004 02:27

Matrix: Water
QC Batch#: 2004/04/01-2B.64

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1200	1000	ug/L	20.00	04/02/2004 02:27	g
Benzene	ND	10	ug/L	20.00	04/02/2004 02:27	
Toluene	ND	10	ug/L	20.00	04/02/2004 02:27	
Ethylbenzene	ND	10	ug/L	20.00	04/02/2004 02:27	
Total xylenes	ND	20	ug/L	20.00	04/02/2004 02:27	
tert-Butyl alcohol (TBA)	770	100	ug/L	20.00	04/02/2004 02:27	
Methyl tert-butyl ether (MTBE)	1700	10	ug/L	20.00	04/02/2004 02:27	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	20.00	04/02/2004 02:27	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	20.00	04/02/2004 02:27	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	20.00	04/02/2004 02:27	
1,2-DCA	ND	10	ug/L	20.00	04/02/2004 02:27	
EDB	ND	10	ug/L	20.00	04/02/2004 02:27	
Ethanol	ND	1000	ug/L	20.00	04/02/2004 02:27	
Surrogate(s)						
Toluene-d8	93.5	88-110	%	20.00	04/02/2004 02:27	
1,2-Dichloroethane-d4	98.4	76-114	%	20.00	04/02/2004 02:27	

SEVERN TRENT STL

Submission #: 2004-03-0922

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2004/04/01-2B.64-000

Water

Test(s): 8260FAB
QC Batch # 2004/04/01-2B.64
Date Extracted: 04/01/2004 20:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/01/2004 20:00	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/01/2004 20:00	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/01/2004 20:00	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	04/01/2004 20:00	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	04/01/2004 20:00	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	04/01/2004 20:00	
1,2-DCA	ND	0.5	ug/L	04/01/2004 20:00	
EDB	ND	0.5	ug/L	04/01/2004 20:00	
Benzene	ND	0.5	ug/L	04/01/2004 20:00	
Toluene	ND	0.5	ug/L	04/01/2004 20:00	
Ethylbenzene	ND	0.5	ug/L	04/01/2004 20:00	
Total xylenes	ND	1.0	ug/L	04/01/2004 20:00	
Ethanol	ND	50	ug/L	04/01/2004 20:00	
Surrogates(s)					
1,2-Dichloroethane-d4	90.4	76-114	%	04/01/2004 20:00	
Toluene-d8	92.0	88-110	%	04/01/2004 20:00	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2004/04/02-2B.66-058

Water

Test(s): 8260FAB
QC Batch # 2004/04/02-2B.66
Date Extracted: 04/02/2004 18:58

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/02/2004 18:58	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/02/2004 18:58	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/02/2004 18:58	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	04/02/2004 18:58	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	04/02/2004 18:58	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	04/02/2004 18:58	
1,2-DCA	ND	0.5	ug/L	04/02/2004 18:58	
EDB	ND	0.5	ug/L	04/02/2004 18:58	
Benzene	ND	0.5	ug/L	04/02/2004 18:58	
Toluene	ND	0.5	ug/L	04/02/2004 18:58	
Ethylbenzene	ND	0.5	ug/L	04/02/2004 18:58	
Total xylenes	ND	1.0	ug/L	04/02/2004 18:58	
Ethanol	ND	50	ug/L	04/02/2004 18:58	
Surrogates(s)					
1,2-Dichloroethane-d4	103.2	76-114	%	04/02/2004 18:58	
Toluene-d8	103.6	88-110	%	04/02/2004 18:58	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2004/04/01-2B.64**

LCS 2004/04/01-2B.64-015 Extracted: 04/01/2004 Analyzed: 04/01/2004 19:15
LCSD 2004/04/01-2B.64-037 Extracted: 04/01/2004 Analyzed: 04/01/2004 19:37

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.9	21.3	25	95.6	85.2	11.5	65-165	20		
Benzene	25.4	23.7	25	101.6	94.8	6.9	69-129	20		
Toluene	24.4	24.0	25	97.6	96.0	1.7	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	436	433	500	87.2	86.6		76-114			
Toluene-d8	460	459	500	92.0	91.8		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2004/04/02-2B.66**

LCS 2004/04/02-2B.66-023 Extracted: 04/02/2004 Analyzed: 04/02/2004 19:23
LCSD 2004/04/02-2B.66-034 Extracted: 04/02/2004 Analyzed: 04/02/2004 18:34

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	28.7	23.7	25	114.8	94.8	19.1	65-165	20		
Benzene	29.7	25.5	25	118.8	102.0	15.2	69-129	20		
Toluene	28.5	24.1	25	114.0	96.4	16.7	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	505	470	500	101.0	94.0		76-114			
Toluene-d8	519	508	500	103.8	101.6		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/04/01-2B.64**

U-3 >> MS

Lab ID: 2004-03-0922 - 003

MS: 2004/04/01-2B.64-058 Extracted: 04/02/2004 Analyzed: 04/02/2004 00:58

Dilution: 1.00

MSD: 2004/04/01-2B.64-020 Extracted: 04/02/2004 Analyzed: 04/02/2004 01:20

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	30.3	24.7	ND	25	121.2	98.8	20.4	69-129	20		rpd
Toluene	29.5	24.8	ND	25	118.0	99.2	17.3	70-130	20		
Methyl tert-butyl ether	34.1	25.5	ND	25	136.4	102.0	28.9	65-165	20		rpd
Surrogate(s)											
Toluene-d8	462	483		500	92.4	96.6		88-110			
1,2-Dichloroethane-d4	530	490		500	106.0	98.0		76-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

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.

Result Flag

dp

Sample contains discrete peak in addition to gasoline.

g

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

rpd

Analyte RPD was out of QC limits due to sample heterogeneity.

SEVERN TRENT STL

Submission #: 2004-03-0922

Dissolved Metals

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-1	03/30/2004 07:30	Water	1
U-2	03/30/2004 09:40	Water	2
U-3	03/30/2004 09:17	Water	3
U-4	03/30/2004 10:46	Water	4
U-5	03/30/2004 09:03	Water	5
U-6	03/30/2004 07:00	Water	6

Dissolved Metals

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Prep(s): 3005A
Test(s): 6010B

Sample ID: **U-1**
Lab ID: 2004-03-0922 - 1

Sampled: 03/30/2004 07:30
Extracted: 3/30/2004 15:33

Matrix: Water
QC Batch#: 2004/03/30-05.15

Analysis Flag: . (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	12	0.20	mg/L	1.00	03/31/2004 09:30	

SEVERN TRENT STL

Submission #: 2004-03-0922

Dissolved Metals

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Prep(s):	3005A	Test(s):	6010B
Sample ID:	**U-2**	Lab ID:	2004-03-0922 - 2
Sampled:	03/30/2004 09:40	Extracted:	3/30/2004 15:33
Matrix:	Water	QC Batch#:	2004/03/30-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	ND	0.20	mg/L	1.00	03/31/2004 10:01	

Dissolved Metals

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Prep(s): 3005A
Test(s): 6010B

Sample ID: **U-3**
Lab ID: 2004-03-0922 - 3

Sampled: 03/30/2004 09:17
Extracted: 3/30/2004 15:33

Matrix: Water
QC Batch#: 2004/03/30-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	ND	0.20	mg/L	1.00	03/31/2004 10:05	

SEVERN TRENT STL

Submission #: 2004-03-0922

Dissolved Metals

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Batch QC Report

Prep(s): 3005A

Test(s): 6010B

Laboratory Control Spike **Water** **QC Batch # 2004/03/30-05.15**

LCS 2004/03/30-05.15-031 Extracted: 03/30/2004 Analyzed: 03/31/2004 09:21
LCSD 2004/03/30-05.15-032 Extracted: 03/30/2004 Analyzed: 03/31/2004 09:25

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Iron	4.87	4.96	5.00	97.4	99.2	1.8	80-120	20		

Dissolved Metals

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Batch QC Report

Prep(s): 3005A

Test(s): 6010B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/03/30-05.15**

U-1 >> MS

Lab ID: 2004-03-0922 - 001

MS: 2004/03/30-05.15-036 Extracted: 03/30/2004 Analyzed: 03/31/2004 09:52
Dilution: 1.00

MSD: 2004/03/30-05.15-037 Extracted: 03/30/2004 Analyzed: 03/31/2004 09:56
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	17.2	18.3	12.5	5.00	94.0	116.0	21.0	75-125	20		rpd

SEVERN TRENT STL

Submission #: 2004-03-0922

Dissolved Metals

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5325

Received: 03/30/2004 11:30

Site: 3220 Lakeshore Ave. Oakland

Legend and Notes

Analysis Flag

Result Flag

rpd

Analyte RPD was out of QC limits due to sample heterogeneity.

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

ConocoPhillips Chain Of Custody Record

84325

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

CONOCOPHILLIPS
Attn: Dee Hutchinson
711 South Harbor, Suite 200
Santa Ana, CA 92704

2004-03-0922

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

DATE: 3/30/04

PAGE: 1 of 1

SAMPLING COMPANY: TRC	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: 5325	GLOBAL ID NO.: T0600104163
ADDRESS: 21 Technology Drive, Irvine CA 92618		SITE ADDRESS (Street and City): 3220 LAKESHORE AVE. OAKLAND	CONOCOPHILLIPS SITE MANAGER:
PROJECT CONTACT (Hardcopy or PDF Report to): Anju Farfan		EDF DELIVERABLE TO (ftp or Email to): Peter Thomsen, TRC pthomsen@trcsolutions.com	PHONE NO.: 949-341-7408
TELEPHONE: 949-341-7440	FAX: 949-753-0111	E-MAIL: afarfan@trcsolutions.com	E-MAIL: LAB USE ONLY
SAMPLER NAME(S) (Print): [illegible]	CONSULTANT PROJECT NUMBER: 41050001/FA20		

TURNAROUND TIME (CALENDAR DAYS):

☐ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDITS NEEDED ☑

FORMS IRON SAMPLES NEED TO BE FILTERED. 24 HR HOLD TIME

* 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/MBE	8260B - TPHg / BTEX / 5 Oxygenates	8260B - TPHg / BTEX / 5 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MBE	Lead ☐Total ☐STLC ☐TCLP	TPH by 8260	BTEX/MTBE by 8260	ETHANOL by 8260	MTBE	DISSOLVED IRON	FERROUS IRON							FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	U-1	3/30/04	0732	GW	6									X	X	X	X	X	X							
	U-2		0940																							
	U-3		0917																							
	U-4		1041																							
	U-5		1003																							
	U-6		0701																							

TEMPERATURE ON RECEIPT C°: 6.0°C

Relinquished by: (Signature)

Received by: (Signature) Dennis Hamilton/STL-SF

Date: 3/30/04 Time: 1130

Relinquished by: (Signature)

Received by: (Signature)

Date: Time:

Relinquished by: (Signature)

Received by: (Signature)

Date: Time:

STL/SF Revision

STATEMENTS

Purge Water Transport and Disposal

Non-hazardous groundwater produced during purging and sampling was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures – Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water suspected of containing potentially hazardous material, such as liquid-phase hydrocarbons, was accumulated separately in a drum for transportation and disposal by Filter Recycling, Inc.

LIMITATIONS

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.